



**U.S. Department of Housing and Urban
Development**

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Washington, DC 20410
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**Environmental Review for Activity/Project that is Categorically
Excluded Subject to Section 58.5
Pursuant to 24 CFR 58.35(a)**

Project Information

Project Name: Davis Ventures Community Center

Project Location: 33478 U.S. Highway 264, Engelhard, Hyde County, NC 27824

Federal Agency: U.S. Department of Housing & Urban Development (HUD)

Responsible Entity: North Carolina Office of Recovery and Resiliency (NCORR)

Grant Recipient: Hyde County, North Carolina

State/Local Identifier: B-18-DP-37-0001

Preparer: Andrea Gievers, Environmental SME, NCORR

Certifying Officer Name and Title: Laura Hogshead, Director, NCORR

Direct Comments to:

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Project Location:

The proposed project site (Subject Property) is the former Davis School located at 33478 U.S. Highway (Hwy) 264, Engelhard, Hyde County, NC 27824. According to the Hyde County Tax Map, the County-owned parcel is over 8.6 acres with Parcel ID # R7-124 (**Attachment 1**). The parcel includes the Hyde County Head Start (33480 U.S. Hwy 264, Engelhard, NC 27824) and Hyde County Public Library (33460 U.S. Hwy 264, Engelhard, NC 27824) both located in the 1964 classroom building closest to U.S. Hwy 264.

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

The proposed project is a CDBG-MIT eligible activity pursuant to Section 105(a)(2), *Public Facilities and Improvements* of the Housing and Community Development Act (HCDA) of 1974, which includes: the acquisition, construction, reconstruction, or installation (including design features and improvements with respect to such construction, reconstruction, or installation that promotes energy efficiency) of public works, facilities (except for buildings for the general conduct of government), and site or other improvements.

Hyde County is requesting HUD Community Development Block Grant – Mitigation (CDBG-MIT) funding for the Davis Ventures Community Center to make improvements including replace the roof; remediate mold; survey and abate lead-based paint and asbestos; repair or demolish and replace rotten and damaged materials; repair or replace existing windows (*disregard replacement specifications in Attachment 1*); remove and dispose of nonfunctional mechanical systems; and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions. The gymnasium/auditorium flat-top roof was replaced circa 1976. The 1953 former Davis School and contributing buildings (1964 gymnasium/auditorium and classroom building and 1971 cafeteria/ kitchen) were listed on the National Register of Historic Places for local significance on April 17, 2023. The proposed project will be completed in accordance with the Secretary of the Interior's Standards for Rehabilitation (see **Attachment 10**). The subject building was originally constructed as a school for African-American students circa 1953 with additions constructed in 1964 (gymnasium) and 1971 (cafeteria/ kitchen). Due to the age of the structure, a qualified lead-based paint and asbestos contractor is required for survey and abatement in compliance with all applicable federal, State and local laws, regulations and procedures. The existing roof structure will be evaluated for structural load capability and determination of wind loads in accordance with Minimum Design Loads and Associated Criteria for Buildings and Other Structures (ASCE/SEI 7-16), as required by the current edition of the State Building Code, to accommodate and provide specifications for the most appropriate design for structural integrity and long-term stability. No ground disturbance including digging, earthwork, boring, or tunneling are anticipated to be necessary for the proposed project. No land or easement acquisition is proposed for this project.

The existing flat membrane roof will remain, and the proposed project will involve the following activities, subject to change based on current conditions: mold remediation; lead-based paint and asbestos survey and abatement; removal, demolition and replacement of rotten and damaged materials (collapsed gabled roof system, flat wood decking, wood sill plates, original wood

decking under trusses, ceiling system, floor finishes, and wood under roof sheathing); removal and demolition of soffit panels and fascia cladding around perimeter of building, gymnasium louvers, asphalt shingles, casework, and bathroom partitions and accessories; repair or replacement of existing windows in accordance with the Secretary of the Interior's Standards for Rehabilitation; installation of new roof framing to match existing roof profile, hurricane ties at all load-bearing wall locations, new roof sheathing to match existing adjacent, two offset layers of roofing felts and asphalt shingle roofing system, roof felt pattern, fastening pattern of shingles, pre-finished aluminum drip edge, fascia cladding, vented soffit panels around perimeter of building with gable roof, pre-finished aluminum continuous flashing with continuous termination bar, new hurricane-rated louvers and sill pans with end dams, and a continuous ridge vent; removal and disposal of nonfunctional mechanical systems (HVAC); and removal for storage of the commercial kitchen equipment and hood system.

The State of North Carolina was adversely impacted by the landfall of Hurricane Matthew (October 8, 2016) and Hurricane Florence (September 14, 2018). During Hurricane Matthew, the Davis Ventures Community Center's roof failed under the heavy rains and high winds and the electrical boxes were damaged by water leaking into the building. Volunteers pumped the rainwater from the building. The Hyde County Building Inspector visited the site and issued a letter stating that the roof was damaged beyond repair. The Building Inspector's letter also noted that water was leaking onto the electrical boxes, which posed a serious fire hazard and life safety hazard. According to the January 17, 2023 Hazardous Materials Assessment Report, the roof was observed to be in poor condition throughout (**Attachment 7**). There are numerous tarps on sections of the roof. The roof is caved in over the cafeteria dining room and adjacent gym corridor. There are various water damaged ceiling tiles located throughout the building.

It is anticipated that the proposed project will benefit approximately 330 low- and moderate-income households in the Engelhard area. The Davis Ventures Corporation, a non-profit community development organization, under a lease arrangement with Hyde County, operates community services on the Subject Property. Community services provided in the subject building include a community-use incubator kitchen and banquet facility along with the Davis Youth Recreation and Community Center. With the necessary repairs, the Davis Ventures Community Center would be able to continue to safely provide youth recreational activities; youth awareness programs; general education development (GED) classes; after-school programming; services to families dealing with behavioral, emotional and mental challenges; meeting space for response to needs after disasters; fitness center for all ages, including seniors; and a location for non-profit sponsored events.

Level of Environmental Review Determination:

Categorically Excluded per 24 CFR 58.35(a), and subject to laws and authorities at §58.5: (1) Acquisition, repair, improvement, reconstruction, or rehabilitation of public facilities and improvements (other than buildings) when the facilities and improvements are in place and will be retained in the same use without change in size or capacity of more than 20 percent (e.g., replacement of water or sewer lines, reconstruction of curbs and sidewalks, repaving of streets).

Funding Information

Grant Number	HUD Program	Funding Amount
B-18-DP-37-0001	CDBG-MIT	\$525,000.00

Estimated Total HUD Funded Amount: \$525,000.00

This project anticipates the use of funds or assistance from another Federal agency in addition to HUD in the form of:

FEMA: \$266,029.10

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$791,029.10

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Based on guidance provided by HUD Fact Sheet #D1, the National Plan of Integrated Airport Systems (NPIAS) was reviewed for civilian, commercial service airports located near the Subject Property. There are no civilian, commercial service airports located within 2,500 feet of the Subject Property. There are no military airports located within 15,000 feet of the Subject Property. No additional review is required. Attachment 2: NEPAAssist Airports Map with 15,000-foot Buffer.
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Based on the U.S. Fish and Wildlife Service (USFWS) Coastal Barrier Resources System (CBRS) Map, the Subject Property is not located in or immediately adjacent (within 150 feet) to a CBRS Unit or Otherwise Protected Area (OPA). No additional review is required. Attachment 3: USFWS CBRS Map and Certification.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	According to the FEMA Flood Insurance Rate Map (FIRM) panel 3720868400K, effective June 19, 2020, the Davis Ventures Community Center building is located mostly in Zone X and outside of Special Flood Hazard Area (SFHA), with only the southwestern corner of the connected 1953 main building located in 500-year floodplain (Zone X shaded). In addition, the southwestern corner of the separate 1964 classroom building, the northern half of the separate easternmost

		<p>building (site of former 1925 Engelhard School) and portions of the site are located in 500-year floodplain (Zone X shaded). This proposed project involves a historic, nonresidential community center and is a non-critical action. There are incidental portions of the Subject Property along the eastern and southern boundaries located in 100-year floodplain (Zone AE, SFHA). The Subject Property is not located within a FEMA-designated regulatory floodway. There are no Preliminary FIRMs available at the FEMA Flood Map Service Center for the Subject Property. Hyde County (370133L) is a participating community in good standing in the regular program of the National Flood Insurance Program (NFIP).</p> <p>Since the building is not located in 100-year floodplain, flood insurance is not required for the proposed project. While flood insurance is not mandatory for this project, HUD strongly recommends that all insurable structures maintain flood insurance under the NFIP. The proposed project is in compliance with flood insurance requirements.</p> <p>Since there is incidental floodplain located on the Subject Property, compliance with 24 CFR 55 and Executive Order (EO) 11988 is required. The EO 11988 Floodplain Management Determination for the proposed project documents the 5-step process under 24 CFR 55.12(a)(4) in Attachment 9.</p> <p>Attachment 4: FEMA FIRMettes with Parcel Boundary and NFIP Community Status Book.</p>
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STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5

<p>Clean Air</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>According to the NC Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants (EPA Green Book), the Subject Property is <i>not</i> located in a county in nonattainment or maintenance status for any criteria pollutants. The Subject Property is located in Hyde County, which is a current attainment county. This roof replacement and rehabilitation project is exempted from NC State air quality</p>
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permit requirements under 15A NCAC 02Q.0102(d) since emissions will be below the established thresholds. Thus, the proposed project's emissions are automatically considered de minimis (40 CFR §93.153(c)(2)) and the proposed project is considered compliant with the State Implementation Plan (SIP). The proposed project would not exceed de minimis emissions levels for federal general conformity purposes (40 CFR §93.153(c)(2)).

The proposed project involves roof replacement and rehabilitation at a historic, nonresidential community center. The proposed project will not generate additional levels of vehicular traffic; therefore, no exceedances of the National Ambient Air Quality Standard (NAAQS) associated with carbon monoxide (CO) or particulate matter (PM) are anticipated to occur. The proposed project will not result in siting any new source of air pollutants.

Construction-related activities (land clearing, grading) can cause short-term exposures to sensitive receptors from particulate matter (PM 10) such as fugitive dust and emissions from construction equipment. The proposed project involves roof replacement and rehabilitation at a historic, nonresidential community center with no proposed ground disturbance. Thus, mitigation measures for dust control are minimal. The proposed project will conform to NC Air Quality Management regulations during and following construction. The contractor will use applicable Best Management Practices (BMPs), as practicable, to reduce fugitive dust generation and diesel emissions. BMPs for construction projects can include wetting the grading site during dry conditions; maintaining vegetative cover as much as possible around cleared areas; a water truck to stabilize potential dust during high traffic times or high wind days on heavily-travelled access roads and storage areas; and operating construction vehicles and machinery at reduced speeds to reduce soil disturbance and fugitive dust potential. BMPs to mitigate the generation of emissions during construction include limiting use of vehicles and other machinery to

		<p>construction hours only and removal once construction is completed.</p> <p>Therefore, there will be no significant impact to air quality from the proposed project. The operation of the proposed project following the completion of construction activities will not increase emissions. Any air quality impacts would be short-term and localized during construction, and no significant adverse impacts to air quality are anticipated. Thus, the proposed project is in compliance with this section.</p> <p>Attachment 5: EPA Greenbook, North Carolina Nonattainment/ Maintenance Status for Each County by Year for All Criteria Pollutants dated August 31, 2023.</p> <p><i>See also, EPA Recent Updates: Federal Register Notices Published or Effective After August 31, 2023</i></p> <p>https://www3.epa.gov/airquality/greenbook/adden.html</p>
<p>Coastal Zone Management</p> <p>Coastal Zone Management Act, sections 307(c) & (d)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Subject Property is located in Hyde County which is one of the 20 coastal counties included in the North Carolina Coastal Management Program. Therefore, the NC Division of Coastal Management (NC DCM) was contacted to determine whether the proposed project is consistent with the State CZMP's consistency criteria.</p> <p>On April 20, 2023, Mr. Dan Govoni of NC DCM reviewed the proposed project information submitted pursuant to the management objectives and enforceable policies of Subchapters 7H and 7M of Chapter 7 in Title 15A of the North Carolina Administrative Code, and concurred that the proposed activity is consistent with North Carolina's approved CZMP. NC DCM's correspondence and email determination are attached. On August 4, 2023, Ms. Andrea Gievers, NCORR, contacted Mr. Dan Govoni, NC DCM Federal Consistency Coordinator, noting the minor scope changes since the original submission. Mr. Govoni stated that resubmission of the proposed project is unnecessary and the project is still in compliance. The proposed project is in compliance with the Coastal Zone Management Act, sections 307 (c) and (d).</p>

		<p>Attachment 6: NC DCM Counties Map and List, NCORR and NC DCM Correspondence, and NCORR Telephone Conversation Record.</p>
<p>Contamination and Toxic Substances</p> <p>24 CFR Part 50.3(i) & 58.5(i)(2)</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>A site inspection was conducted at the Subject Property by Bill Blankenship, and no hazards other than mold, asbestos-containing materials (ACM) lead-based paint (LBP), and the storm-damaged condition of the building were identified. The site was also inspected on January 12, 2023 for the Hazardous Materials Assessment Report. According to NEPAassist, the Subject Property is not identified on a list of Superfund National Priorities or Comprehensive Environmental Response Superfund National Priorities or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) List, or equivalent State list compiled by the US EPA. According to the NC Department of Environmental Quality (DEQ) Underground Storage Tanks (UST) Section, the Petroleum UST and Non-UST Databases did <i>not</i> indicate any petroleum releases within the proposed project area (Attachment 15). There is <i>no</i> proposed ground disturbance or removal/installation of USTs or aboveground storage tanks (ASTs). There are no Sanborn Fire Insurance Maps or city directories available for Hyde County. The site has been historically used as a school for African-American students and more recently as a community center. There is <i>no</i> proposed change in land use or land or easement acquisition required for this project.</p> <p>NEPAassist and the NC DEQ DWM Site Locator Tool were used to review potentially hazardous sites located within a 1-mile radius of the Subject Property. According to NEPAassist, there are no Brownfields, Superfund, Toxic Release Inventory (TRI), water discharger (NPDES), hazardous waste (RCRA) or air emission facility sites located within a one-mile radius search of the Subject Property. According to NC DEQ DWM comments, no Superfund Section or Brownfields Program sites were identified within one mile of the Subject Property (Attachment 15). The NC DEQ DWM Site Locator Tool did not identify a toxic or solid waste landfill (including pre-regulatory landfill sites) within 3,000 feet of the Subject Property. According to the NC DEQ</p>

DWM Facility Screening Report, there are only two non-UST incidents located within one mile of the Subject Property. These non-UST incidents are *EFI Far Creek Bulk Facility* and *Hyde County Head Start*. There are no NC DEQ DWM Site Locator files available for these sites. NCORR contacted the NC DEQ UST Section for more information, see **Attachment 7**. *EFI Far Creek Bulk Facility* had MTBE concentrations below Title 15A NCAC 2L.0411 (2L) standards in groundwater (two temporary monitoring wells) on February 13, 2006. A soil assessment was required for no further action but since the detection was below 2L standards the incident doesn't require further action. *Hyde County Head Start* is likely located incorrectly in the file. The *Hyde County Head Start* is located with the Hyde County Public Library in the 1964 classroom building on the Subject Property. According to tax records, the subject building is connected to a well. On January 6, 1992, the public water tested had possible petroleum constituents less than 2L standards and trihalomethanes over 2L standards reported which according to Mr. Jared Edwards at the NC DEQ UST Section can be common. In addition, there are no UST incident sites reported in the area. There was no action required on this incident and no since reported incidents. These sites do not pose a hazard that could affect the health and safety of occupants or conflict with the intended utilization of the property. Further, there is no proposed soil or groundwater disturbance.

A hazardous materials assessment for ACM, LBP, and mold has been completed (**Attachment 7**). Mold remediation recommendations in the report included: repair roofing materials, remove and dispose of all porous items and all HVAC units and metal ducting throughout building, professionally clean and sanitize all remaining surfaces in building, and hire a trained mold remediation contractor to perform recommendations 2 through 4 following US EPA protocol 402-K-01-001-Mold Remediation in Schools and Commercial Buildings. Mold remediation will be in compliance with all applicable federal, State and local laws, regulations and procedures.

Lead-based paint was identified in samples at the subject building. LBP inspection and abatement must be done by NC HHCU certified LBP firms and professionals. The activities must conform with all applicable federal, State and local laws, regulations and procedures regarding LBP including, but not limited to, HUD's LBP regulations in 24 CFR Part 35; OSHA (29 CFR 1926.62); EPA regulations (40 CFR Part 745); and LBP Hazard Management Program (Article 19, N.C. Gen. Stat. § 130A-453; 10A NCAC 41C .0800). A NC LBP Abatement Permit Application might be required. All LBP debris will be properly disposed of in a NC DEQ DWM approved landfill facility in accordance with applicable federal, State and local laws and regulations. According to the North Carolina Department of Health and Human Services (DHHS), any painted building component containing lead levels greater than or equal to 1.0 mg/cm² (XRF) or 0.06% by weight (paint chip analysis) must be disposed of in a construction and demolition landfill or municipal solid waste landfill (Subtitle D).

ACM was identified in samples at the subject building. The project activities and ACM disposal will conform with all applicable laws and regulations. The DHHS and Asbestos Hazard Management Program manages asbestos control and NC asbestos abatement procedure. Asbestos inspection and the removal of regulated ACM must be done by NC-accredited asbestos professionals in accordance with all applicable federal, State and local laws, regulations and procedures. The activities must conform to Article 19, N.C. Gen. Stat. § 130A-444-451, the National Emission Standard for Hazardous Air Pollutants (NESHAP, 40 CFR Part 61, Subpart M) pertaining to demolition and renovation in 40 CFR 61.145, NESHAP pertaining to waste disposal in 40 CFR 61.150, Occupational Safety and Health Act of 1970, Pub. L. 91-596, 84 Stat. 1590, 29 U.S.C. § 651, et seq., as amended (OSHA), Asbestos Standard for Construction 29 CFR 1926.1101, OSHA 29 CFR 1910, NC OSHA 13 N.C.A.C. 7C .0101, Transportation under 49 CFR 173.1090, NC Hazardous Waste Rules, and NC Solid Waste Laws. An Asbestos Permit Application and Demolition Notification (DHHS

3768) must be submitted to the Health Hazards Control Unit (HHCU) of the NC DHHS Division of Public Health, prior to demolition in compliance with 15A NCAC 20.1110 (a)(1). If the ACM removal is greater than 3,000 square feet, 1,500 linear feet, or 656 cubic feet in a public area, then a design, project monitoring plan, and (transmission electron microscopy) TEM clearance might be required under 10A NCAC 41C .0607. All ACM debris will be properly disposed of in a NC DEQ DWM approved landfill facility in accordance with applicable federal, State and local laws and regulations.

According to the NC DEQ comments through the State Environmental Clearinghouse, “[d]emolition or renovations of structures containing asbestos material must be in compliance with 15A NCAC 20.1110(a)(1) which requires notification and removal prior to demolition.” NC DEQ also commented that “[a]ny hazardous waste generated from the demolition, construction, operation, maintenance, and/or remediation (e.g., excavated soil) from the proposed project must be managed in accordance with the North Carolina Hazardous Waste Rules. The demolition, construction, operation, maintenance, and remediation activities conducted will most likely generate a solid waste, and a determination must be made whether it is a hazardous waste. If a project site generates more than 220 pounds of hazardous waste in a calendar month, the HWS must be notified, and the site must comply with the small quantity generator (SQG) requirements. If a project site generates more than 2200 pounds of hazardous waste in a calendar month, the HWS must be notified, and the facility must comply with the large quantity generator (LQG) requirements. Generators are required to determine their generator status and both SQGs & LQGs are required to obtain a site EPA Identification number for the generation of hazardous waste.” The NC DEQ DWM Solid Waste Section (Section) commented that “[f]or any planned or proposed projects, it is recommended that during any land clearing, demolition, and construction, the Hyde county/HUD and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable

markets exist, and to use recycled products and materials in the development of this project where suitable. Any waste generated by and of the project that cannot be beneficially reused or recycled as described, may require disposal of at a solid waste management facility permitted by the Division. The Section strongly recommends that the Hyde County/HUD require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.” Additionally, “[a]ny open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900.” (See **Attachment 15.**)

Radon is not considered a risk for this proposed project since Hyde County is a Level 3 Radon Zone with predicted average indoor radon screening levels less than 2 pCi/L (Low Potential) according to the U.S. Environmental Protection Agency (EPA) (see **Attachment 7**). No additional steps are required for radon testing and mitigation. However, testing for radon is the only way to determine radon levels in buildings. Preventing the entry of radon into a building is the most effective way of protecting building occupants. This can be done in existing buildings by using underground collection systems that vent the gas into the atmosphere through an exterior pipe. Radon levels within buildings can also be reduced by increasing ventilation rates.

Based on the site visit, Hazardous Materials Assessment Report, and a review of available historical and environmental records for the Subject Property and surrounding area, the Subject Property is unlikely to contain hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the Subject Property with the proper mitigation measures and protocols discussed above. Protocols will be followed to ensure any suspect LBP, ACM, and mold encountered are tested, remediated/abated and disposed of in accordance with all applicable laws, regulations and permits. Any mold, LBP, and Asbestos Inspection(s), Abatement(s) and Clearance Report(s), and applicable permits will be appended to this

		<p>Environmental Review Record (ERR). Therefore, the proposed project is in compliance with Contamination and Toxic Substances, 24 CFR Part 50.3(i) & 58.5(i)(2).</p> <p>Attachment 7: NEP Assist EPA Facilities with 1-mile and 0.5-mile Buffers, NC DEQ DWM Site Locator Report with 1-mile Buffer, NC DEQ UST Incidents Database Screenshots, Site Visit Questionnaire, EPA NC Radon Zone Map, and Specifications for ACM Abatement and Mold Remediation with Hazardous Materials Assessment Report. <i>See Attachment 15:</i> State Environmental Clearinghouse Comments.</p>
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>According to the U.S. Fish and Wildlife Service's (USFWS) Information for Planning and Consultation (IPaC) Official Species List, there are a total of sixteen threatened, endangered, or candidate species identified for the proposed project area. These species include four mammals: Northern Long-eared Bat (<i>Myotis septentrionalis</i>), both the Endangered and Experimental Population, Non-essential Red Wolf (<i>Canis rufus</i>), and Tricolored Bat (<i>Perimyotis subflavus</i>); four bird species: Eastern Black Rail (<i>Laterallus jamaicensis</i> ssp. <i>Jamaicensis</i>), Piping Plover (<i>Charadrius melodus</i>), Red Knot (<i>Calidris canutus rufa</i>), and Red-cockaded Woodpecker (<i>Picoides borealis</i>); six reptile species: American Alligator (<i>Alligator mississippiensis</i>), Green Sea Turtle (<i>Chelonia mydas</i>), Hawksbill Sea Turtle (<i>Eretmochelys imbricata</i>), Kemp's Ridley Sea Turtle (<i>Lepidochelys kempii</i>), Leatherback Sea Turtle (<i>Dermochelys coriacea</i>), and Loggerhead Sea Turtle (<i>Caretta caretta</i>); one insect species: Monarch Butterfly (<i>Danaus plexippus</i>); and one flowering plant species: Sensitive Joint-vetch (<i>Aeschynomene virginica</i>). However, the report indicates that there are no critical habitats within the proposed project site. According to the IPaC Official Species List, there are eleven FWS migratory birds of concern, including the Bald Eagle, within the vicinity of the proposed project area.</p> <p>In addition, the NC Natural Heritage Program (NC NHP) Database Explorer Report documented element occurrences including the federally listed Experimental Population, Non-essential Red</p>

Wolf (*Canis rufus*) and Sensitive Joint-vetch (*Aeschynomene virginica*) within a one-mile radius of the Subject Property. According to the NC NHP database, there are no records for rare species, important natural communities, natural areas, and/ or conservation/ managed areas within the proposed project boundary. In addition, there are no natural areas documented within a one-mile radius of the Subject Property. There are four managed areas consisting of Conservation Reserve Enhancement Program Easements from the NC Department of Agriculture's Division of Soil and Water Conservation located within a one-mile radius of the Subject Property.

None of the above-listed species were observed during the site visit. In addition, the Subject Property does not contain suitable habitat for these species since the land is regularly mowed and maintained and contains existing public buildings and parking areas. This roof replacement and rehabilitation project does not involve tree/ vegetation clearing or ground disturbance. Therefore, a **No Effect** determination has been made for all of the above-listed species and a "no Eagle Act permit required" determination for eagles. A Self-certification Letter and 10-step Project Review Package were prepared and submitted to the USFWS Raleigh Ecological Services Field Office (FO) on June 13, 2023. According to the Self-certification Letter, Mr. Pete Benjamin, Field Supervisor of the U.S. Fish and Wildlife Service Raleigh Field Office, indicated the following:

"Therefore, we concur with the 'no effect' or 'not likely to adversely affect' determinations for proposed and listed species and proposed and designated critical habitat; the 'may affect' determination for Northern long-eared bat; and/or the 'no Eagle Act permit required' determinations for eagles. Additional coordination with this office is not needed." USFWS has not contacted NCORR for additional information.

Attachment 8: USFWS Raleigh FO 10-step Project Review Package and USFWS and NCORR Correspondence.

<p>Explosive and Flammable Hazards</p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>Acceptable separation distance requirements do not apply to this rehabilitation project because the definition for HUD-assisted projects in 24 CFR Part 51.201 is predicated on whether the project <i>increases</i> the number of people exposed to hazardous operations. Pursuant to Part 51 Subpart C “HUD-assisted project” Definition (24 CFR 51.201), the proposed project’s rehabilitation will <i>not</i> “result in an increased number of people being exposed to hazardous operations by increasing residential densities, converting the type of use of a building to habitation, or making a vacant building habitable.” The environmental review for this project involved evaluating the rehabilitation of a historic, non-residential community center that existed prior to the disaster. The proposed project does not involve the development of a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries). Therefore, there is not a requirement to comply under 24 CFR Part 51 Subpart C.</p>
<p>Farmlands Protection</p> <p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project does <i>not</i> involve new construction that will generate site disturbance, acquisition of undeveloped land, or conversion of land from one use to another. The proposed project involves roof replacement and rehabilitation at a historic community center with no proposed ground disturbance. Since the proposed project involves work on an existing building, the proposed project activities will not convert farmland to nonagricultural use. Therefore, the proposed activities are not subject to provisions of the Farmland Protection Policy Act (FPPA).</p> <p>Furthermore, the subject building was constructed before August 4, 1984 and would also be exempt under 523.11(C) Activities Not Subject to Provisions of FPPA (3) Projects planned or constructed prior to August 4, 1984 (FPPA, Part 658). The 1953 former Davis School and contributing buildings (<i>1964 gymnasium/ auditorium</i> and classroom building and <i>1971 cafeteria/ kitchen</i>) were listed on the National Register of Historic Places for local significance on April 17, 2023. All proposed project activities will occur only to the 1964</p>

		<p>gymnasium/auditorium, gym corridor, and 1971 cafeteria additions.</p> <p>The proposed project does not involve the conversion of farmland to nonagricultural use and the activities are not subject to provisions of FPPA. Thus, no further review is required. The proposed project is in compliance with this section.</p>
<p>Floodplain Management</p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>According to the FEMA FIRM panel 3720868400K, effective June 19, 2020, the Davis Ventures Community Center building is located mostly in Zone X and outside of SFHA, with only the southwestern corner of the connected 1953 main building located in 500-year floodplain (Zone X shaded). In addition, the southwestern corner of the separate 1964 classroom building, the northern half of the separate easternmost building (site of former 1925 Engelhard School) and portions of the site are located in 500-year floodplain (Zone X shaded). This proposed project involves a historic, nonresidential community center and is a non-critical action. There are incidental portions of the Subject Property along the eastern and southern boundaries located in 100-year floodplain (Zone AE, SFHA). The Subject Property is not located within a FEMA-designated regulatory floodway. There are no Preliminary FIRMs available at the FEMA Flood Map Service Center for the Subject Property.</p> <p>Since there is incidental floodplain located on the Subject Property, compliance with 24 CFR 55 and EO 11988 is required. This roof replacement and rehabilitation project does not involve land development, new construction, tree/ vegetation clearing or ground disturbance which would modify the 100-year floodplain. Due to the nature of the proposed project activities and distance from the 100-year floodplain, no direct or indirect impacts are anticipated on the floodplain. The proposed project activities will be completed in accordance with all applicable federal, State and local laws, regulations, and permit requirements and conditions.</p>

		<p>Under 24 CFR 55.12 <i>Inapplicability of 24 CFR part 55 to certain categories of proposed actions</i>, section (a)(4) includes “HUD’s or the recipient’s actions under any HUD program involving the repair, rehabilitation, modernization, weatherization, or improvement of existing nonresidential buildings and structures, in communities that are in the Regular Program of the NFIP and are in good standing, provided that the action does <i>not</i> meet the thresholds for “substantial improvement” under § 55.2(b)(10) and that the footprint of the structure and paved areas is <i>not</i> significantly increased” (emphasis added). Hyde County (370133L) is a participating community in good standing in the regular program of the NFIP. Under 24 CFR 55.2(b)(10)(ii)(B), substantial improvement may not be defined to include “[a]ny alteration of a structure listed on the National Register of Historical Places.” The 1953 former Davis School and contributing buildings (1964 gymnasium/auditorium and classroom building and 1971 cafeteria/ kitchen) were listed on the National Register of Historic Places for local significance on April 17, 2023. This roof replacement and rehabilitation project at a historic, nonresidential building does not alter the structure’s footprint or paved areas. Thus, under 24 CFR 55.12(a)(4), the proposed project can follow the 5-step process and the decision-making steps in § 55.20(b), (c), and (g) (steps 2, 3, and 7) do not apply. The EO 11988 Floodplain Management Determination for the proposed project documents the 5-step process under 24 CFR 55.12(a)(4) in Attachment 9.</p> <p>Attachment 9: EO 11988 Floodplain Management Determination.</p>
<p>Historic Preservation</p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>A review of the Subject Property in the National Register of Historic Places, North Carolina State Historic Preservation Office’s (SHPO) HPOWEB, and during a site visit identified publicly recorded historic properties which are locally designated or listed in or eligible for inclusion in the State or National Register of Historic Places located on or adjacent to the Subject Property. The Davis Ventures Community Center, formerly known as the Davis School, was placed on the North Carolina Study</p>

		<p>List in 2021, noted as National Register Eligible, and Approved for National Register listing by the National Register Advisory Committee (NRAC) on February 9, 2023, and listed on April 17, 2023. The Davis School was originally constructed as a school for African-American students circa 1953 with additions constructed in 1964 (gymnasium) and 1971 (cafeteria/ kitchen). The Engelhard Ridge School, a 1923 frame 3-room Rosenwald School, used to be on the Subject Property but was demolished before 1984.</p> <p>Additionally, the Anson Gibbs House II (surveyed only - SO) is located less than 0.25-mile to the north, Northan-Marshall House (SO) and (former) Northan School (SO) are located about 0.50-mile to the south, and Carroll Mann Farm (SO) and Spencer-Davis House (SO) are located about 0.50-mile to the south of the Subject Property. Approximately 0.75-mile from the Subject Property are the Baum-Fulford House (SO) to the north, and the NR-listed Wynne's Folly, circa 1840s Greek Revival 2-story frame house to the south.</p> <p>On June 13, 2023, NCORR submitted the proposed project to the NC SHPO via the State Environmental Clearinghouse for review and concurrence of a preliminary finding of "No Adverse Effect" pursuant to 36 CFR 800.5. On July 19, 2023, Ms. Renee Gledhill-Earley, NC SHPO Environmental Review Coordinator, responded "[m]uch of the proposed undertaking, including roof work, soffit and fascia repairs, hazardous material remediation, and interior work appears to meet the Secretary of the Interior's Standards for Rehabilitation." The NC SHPO noted that there was confusion in regard to the submittal letter from June 13, 2023, which notes "removal and replacement of existing windows with new thermally-broken aluminum storefront and low-e coated insulated glazing panels." The NC SHPO requested that NCORR "[p]lease provide clarification as to whether the existing historic windows are to be retained or be replaced." NCORR responded on August 18, 2023 with additional information and "[i]f there is sufficient money in the budget available to repair or replace any windows, then the repair(s) and replacement(s) will be in accordance with all of the Secretary of the Interior's Standards for</p>
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		<p>Rehabilitation.” On August 24, 2023, Ms. Renee Gledhill-Earley, NC SHPO Environmental Review Coordinator, responded “[o]ur office finds that the proposed repairs and renovations, including retention of the historic and character defining steel-frame windows, meet the Secretary of the Interior’s Standards for Treatment of Historic Properties (Rehabilitation) and will have No Adverse Effect on the National Register-listed Davis School (HY0907). We applaud this effort to preserve the historic Davis School and understand the critical need for repairs as soon as possible to protect the buildings from further deterioration and future storm events.” The NC SHPO responses and NCORR submission packages and correspondence are attached.</p> <p>According to the HUD Tribal Directory Assessment Tool (TDAT), the Catawba Indian Nation is the only federally-recognized tribe with interests in Hyde County, North Carolina. According to the When To Consult With Tribes Under Section 106 Checklist in Attachment 10, there is no need to consult with the Catawba Indian Nation for this non-ground disturbing, rehabilitation project. Additionally, the Catawba Indian Nation has stated previously to NCORR on May 5, 2023 that “[w]e are only concerned with ground disturbing activities.” The proposed project is in compliance with Section 106.</p> <p>Attachment 10: SHPO responses, NCORR SHPO Submission Packages and Correspondence, HUD TDAT Results, and When to Consult with Tribes under Section 106 Checklist.</p>
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The proposed project is not a noise-sensitive use. The proposed project does not involve new construction for residential use or rehabilitation of an existing residential property. Rather, the proposed project provides timely emergency assistance under disaster assistance provisions or appropriations which are provided to save lives, protect property, protect public health and safety, remove debris and wreckage, or <i>assistance that has the effect of restoring facilities substantially as they existed prior to the disaster</i>. According to 24 CFR §51.106, “[t]he standards in §51.103(c) shall apply to the portions of a building or buildings used for residential purposes and for</p>

		<p>ancillary noise sensitive open spaces.” The subject building being rehabilitated is nonresidential. Thus, 24 CFR Part 51 Subpart B does not apply to the proposed project.</p> <p>The proposed project activities are not expected to generate excessive noise during the short-term construction work or long-term operation. Short-term construction noise will be limited to daytime hours. Construction equipment will be required to meet local sound control requirements. The proposed project activities will be completed in accordance with all applicable federal, State and local laws, regulations, and permit requirements and conditions. Therefore, the proposed project is not expected to generate any significant adverse noise impacts. The proposed project is in compliance with this section.</p>
<p>Sole Source Aquifers</p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>No sole source aquifers are located in North Carolina according to the U.S. EPA. No further action is required. The proposed project is in compliance with this section.</p> <p>Attachment 11: U.S. EPA Sole Source Aquifers Map.</p>
<p>Wetlands Protection</p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>According to the USFWS National Wetland Inventory (NWI) Map, there are no federally-mapped wetlands on the Subject Property. During the site visit, wetlands (including HUD-defined wetlands) were not identified within the boundaries of the Subject Property.</p> <p>This roof replacement and rehabilitation project does not involve land development, new construction, tree/ vegetation clearing, ground disturbance or other activities which would constitute “new construction” in wetlands as defined in EO 11990 Protection of Wetlands and 24 CFR 55.2(b)(8). Due to the nature of the proposed project activities and distance from wetlands, no direct or indirect impacts are anticipated on wetlands. The proposed project activities will be completed in accordance with all applicable federal, State and local laws, regulations, and permit requirements and conditions. The proposed project is in compliance with this section.</p>

<p>Wild and Scenic Rivers</p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>Attachment 12: USFWS NWI Map.</p> <p>The proposed project will not affect a designated, listed or study Wild and Scenic River in the Department of Interior (DOI) National Park Service (NPS) Nationwide Rivers Inventory (NRI) or National Wild and Scenic Rivers (WSR) System. According to the NEPAassist Map, there are no designated river segments located within one-mile of the Subject Property. Due to the distance from the closest NRI or WSR river and the proposed roof replacement and rehabilitation project activities, there are no impacts anticipated from the proposed project on a designated, listed or study NRI or WSR river. The proposed project is in compliance with this section.</p> <p>Attachment 13: NEPAassist Maps of DOI NPS Nationwide Rivers Inventory and National Wild and Scenic Rivers System Showing 1-mile Buffer from Subject Property.</p> <p>See also, Eligible and Suitable Rivers Map, at https://nps.maps.arcgis.com/apps/webappviewer/index.html?id=df0f4455dc5f41bb919a3a1a49c60174</p>
<p>ENVIRONMENTAL JUSTICE</p>		
<p>Environmental Justice</p> <p>Executive Order 12898</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>According to the EPA Environmental Justice Screening and Mapping Tool (EJScreen), the Subject Property is located in a potential Environmental Justice area. According to the EJScreen Standard Report for a one-mile radius of the Subject Property, there is an approximately 42% minority population and approximately 47% low-income population both of which are higher than State and national averages. According to the NC DEQ Community Mapping System, the Subject Property is not located in a NC DEQ Potentially Underserved Block Group (2019).</p> <p>No adverse environmental impacts were identified during the proposed project's 24 CFR 58 environmental review. The proposed project will not subject the community to environmental conditions that may have disproportional effects on low-income or minority populations. Rather, the proposed project will benefit approximately 330 low- and moderate-income households in the Engelhard area who receive community services</p>

		<p>at this facility. Community services provided in the subject building include a community-use incubator kitchen and banquet facility along with the Davis Youth Recreation and Community Center. With the necessary repairs, the Davis Ventures Community Center would be able to continue to safely provide youth recreational activities; youth awareness programs; GED classes; after-school programming; services to families dealing with behavioral, emotional and mental challenges; meeting space for response to needs after disasters; fitness center for all ages, including seniors; and a location for non-profit sponsored events. This project will provide critical repairs to preserve and protect this historic building from further deterioration and future storm events and allow for the community to regain use of this facility. Thus, the roof replacement and rehabilitation of this community center serving low- and moderate-income households does not contribute to or promote environmental injustice. The proposed project is in compliance with this section.</p> <p>Attachment 14: EJScreen Standard Report, EJScreen ACS Summary Report, EJScreen Census 2010 Summary Report, EJScreen Community Report, NC DEQ Community Mapping System Map, and CDC Report for Hyde County.</p>
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Field Inspection (Date and completed by):

Mike G. Cook, Principal, Affinity Environmental Consulting, LLC on January 12, 2023

Bill Blankenship, Project Manager, HGA, LLC on February 17, 2021

Summary of Findings and Conclusions:

The preceding Statutory Checklist, and the discussion below, document that the proposed work will comply with regulations in 24 CFR part 58 and that there are no direct or cumulative adverse environmental impacts anticipated as a result of the proposed action.

References:

- Hyde County Parcel Data, at <https://maps.agdmaps.com/nc/hyde/>
- North Carolina Emergency Management, CDBG-DR Community Recovery/ Infrastructure (CRI) Program, Abbreviated Project Information Form (APIF), October 16, 2018
- NCORR CDBG-DR Infrastructure Recovery Program, Project Information Form (PIF), November 5, 2020
- Phase I Study, Davis Ventures Community Center by Cahoon & Kasten Architects, February 19, 2021
- U.S. EPA NEPassist Tool, at <https://nepassisttool.epa.gov/nepassist/nepamap.aspx>
- Fact Sheet #D1: Siting HUD-Assisted Projects in Accident Potential Zones
- Airport Data and Information Portal (ADIP), at <https://adip.faa.gov/agis/public/#/public>
- USFWS CBRS Mapper, at <https://www.fws.gov/CBRA/Maps/Mapper.html>
- FEMA Map Service Center, at <https://msc.fema.gov/portal/home> and <https://hazards.fema.gov/femaportal/prelimdownload/searchResult.action>
- NFIP Community Status Book
- EPA, North Carolina Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants, at https://www3.epa.gov/airquality/greenbook/anayo_nc.html
- EPA, Recent Updates: Federal Register Notices Published or Effective After August 31, 2023, at <https://www3.epa.gov/airquality/greenbook/adden.html>
- NC DEQ CAMA Counties, <https://deq.nc.gov/about/divisions/coastal-management/about-coastal-management/cama-counties>
- Mr. Dan Govoni, NC DCM Federal Consistency Coordinator
- NC DEQ DWM Site Locator, at <https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebfa49fc383f688>
- NC DEQ UST Section, Washington Regional Office, Jared M. Edwards, LG, Environmental Program Consultant at (252) 946-6481
- USFWS Raleigh Field Office
- NC NHP
- USFWS Information for Planning and Consultation (IPaC), at <https://ipac.ecosphere.fws.gov/>
- NC NHP Data Explorer Tool, at <https://ncnhde.natureserve.org/>
- NCNHP Natural Heritage Data Explorer, at www.ncnhp.org
- USDA NRCS Soil Survey, at <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>
- National Register of Historic Places, at <https://www.nps.gov/maps/full.html?mapId=7ad17cc9-b808-4ff8-a2f9-a99909164466>
- NC State Historic Preservation Office - environmental.review@ncdcr.gov
- NC HPOWEB, at <https://nc.maps.arcgis.com/home/item.html?id=79ea671ebdcc45639f0860257d5f5ed7>
- N.C. Department of Natural and Cultural Resources, National Register Advisory Committee Meeting - February 9, 2023, at <https://www.youtube.com/watch?v=g5g551eMh7Y>

- The Secretary of the Interior's Standards for the Treatment of Historic Properties, at <https://www.nps.gov/orgs/1739/secretary-standards-treatment-historic-properties.htm>
- NPS Technical Preservation Services resource page, at <https://www.nps.gov/orgs/1739/index.htm>
- NPS Preservation Briefs, at <https://www.nps.gov/orgs/1739/preservation-briefs.htm>
- NPS Preservation Brief #9, The Repair of Historic Wooden Windows, at <https://www.nps.gov/orgs/1739/upload/preservation-brief-09-wood-windows.pdf>
- North Carolina Collection Sanborn® Fire Insurance Maps, at <https://web.lib.unc.edu/nc-maps/sanborn.php#county>
- North Carolina City Directories, at <https://www.digitalnc.org/collections/city-directories/>
- HUD Tribal Directory Assessment Tool (TDAT), at <https://egis.hud.gov/tdat/>
- Catawba Indian Nation
- US EPA Map of Sole Source Aquifer Locations, at <https://www.epa.gov/dwssa/map-sole-source-aquifer-locations>
- Nationwide Rivers Inventory Map, at <https://www.nps.gov/subjects/rivers/nationwide-rivers-inventory.htm>
- North Carolina National and Wild Scenic Rivers, at <https://www.rivers.gov/north-carolina.php>
- Eligible and Suitable Rivers Map, at <https://nps.maps.arcgis.com/apps/webappviewer/index.html?id=df0f4455dc5f41bb919a3a1a49c60174>
- EJScreen, at <https://ejscreen.epa.gov/mapper/>
- NC DEQ Community Mapping, at <https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=1eb0fbc2bcb4cceb3cc212af8a0b8c8>
- CDC National Environmental Public Health Tracking Network, at <https://ephtracking.cdc.gov/InfoByLocation/?FIPS=37065&topics=1,10,2,3,4,5,6,7,8>
- NC State Environmental Clearinghouse

Mitigation Measures and Conditions [40 CFR 1505.2(c)]:

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Any change to the approved scope of work will require re-evaluation by the Certifying Officer for compliance with NEPA and other laws and Executive Orders.

This review does not address all federal, state, and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state, and local environmental permits and clearances may jeopardize federal

funding. Guidelines, recommendations, and requirements identified during agency and the State Environmental Clearinghouse inter-agency review shall be considered and required, where applicable.

Law, Authority, or Factor	Mitigation Measure
<p>Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)</p>	<p>A hazardous materials assessment for ACM, LBP, and mold has been completed (Attachment 7). Mold remediation recommendations in the report included: repair roofing materials, remove and dispose of all porous items and all HVAC units and metal ducting throughout building, professionally clean and sanitize all remaining surfaces in building, and hire a trained mold remediation contractor to perform recommendations 2 through 4 following US EPA protocol 402-K-01-001-Mold Remediation in Schools and Commercial Buildings. Mold remediation will be in compliance with all applicable federal, State and local laws, regulations and procedures.</p> <p>Lead-based paint was identified in samples at the subject building. LBP inspection and abatement must be done by NC HHCU certified LBP firms and professionals. The activities must conform with all applicable federal, State and local laws, regulations and procedures regarding LBP including, but not limited to, HUD’s LBP regulations in 24 CFR Part 35; OSHA (29 CFR 1926.62); EPA regulations (40 CFR Part 745); and LBP Hazard Management Program (Article 19, N.C. Gen. Stat. § 130A-453; 10A NCAC 41C .0800). A NC LBP Abatement Permit Application might be required. All LBP debris will be properly disposed of in a NC DEQ DWM approved landfill facility in accordance with applicable federal, State and local laws and regulations. According to the DHHS, any painted building component containing lead levels greater than or equal to 1.0 mg/cm² (XRF) or 0.06% by weight (paint chip analysis) must be disposed of in a construction and demolition landfill or municipal solid waste landfill (Subtitle D).</p> <p>ACM was identified in samples at the subject building. The DHHS and Asbestos Hazard Management Program manages asbestos control and NC asbestos abatement procedure. Asbestos inspection and the removal of regulated ACM must be done by NC-accredited asbestos</p>

professionals in accordance with all applicable federal, State and local laws, regulations and procedures. The activities must conform to Article 19, N.C. Gen. Stat. § 130A-444-451, the National Emission Standard for Hazardous Air Pollutants (NESHAP, 40 CFR Part 61, Subpart M) pertaining to demolition and renovation in 40 CFR 61.145, NESHAP pertaining to waste disposal in 40 CFR 61.150, Occupational Safety and Health Act of 1970, Pub. L. 91-596, 84 Stat. 1590, 29 U.S.C. § 651, et seq., as amended (OSHA), Asbestos Standard for Construction 29 CFR 1926.1101, OSHA 29 CFR 1910, NC OSHA 13 N.C.A.C. 7C .0101, Transportation under 49 CFR 173.1090, NC Hazardous Waste Rules, and NC Solid Waste Laws. An Asbestos Permit Application and Demolition Notification (DHHS 3768) must be submitted to the HHCU of the NC DHHS Division of Public Health, prior to demolition in compliance with 15A NCAC 20.1110 (a)(1). If the ACM removal is greater than 3,000 square feet, 1,500 linear feet, or 656 cubic feet in a public area, then a design, project monitoring plan, and (transmission electron microscopy) TEM clearance might be required under 10A NCAC 41C .0607. All ACM debris will be properly disposed of in a NC DEQ DWM approved landfill facility in accordance with applicable federal, State and local laws and regulations.

According to the NC DEQ comments through the State Environmental Clearinghouse, “[d]emolition or renovations of structures containing asbestos material must be in compliance with 15A NCAC 20.1110(a)(1) which requires notification and removal prior to demolition.” NC DEQ also commented that “[a]ny hazardous waste generated from the demolition, construction, operation, maintenance, and/or remediation (e.g., excavated soil) from the proposed project must be managed in accordance with the North Carolina Hazardous Waste Rules. The demolition, construction, operation, maintenance, and remediation activities conducted will most likely generate a solid waste, and a determination must be made whether it is a hazardous waste. If a project site generates more than 220 pounds of hazardous waste in a calendar month, the HWS must be notified, and the site must comply with the small quantity generator (SQG) requirements. If a project site generates more than 2200 pounds of hazardous waste in a calendar month, the HWS must be notified, and the facility must

	<p>comply with the large quantity generator (LQG) requirements. Generators are required to determine their generator status and both SQGs & LQGs are required to obtain a site EPA Identification number for the generation of hazardous waste.” The NC DEQ DWM Solid Waste Section (Section) commented that “[f]or any planned or proposed projects, it is recommended that during any land clearing, demolition, and construction, the Hyde county/HUD and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the development of this project where suitable. Any waste generated by and of the project that cannot be beneficially reused or recycled as described, may require disposal of at a solid waste management facility permitted by the Division. The Section strongly recommends that the Hyde County/HUD require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.” Additionally, “[a]ny open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900.” (See Attachment 15.)</p> <p>Protocols will be followed to ensure any suspect LBP, ACM, and mold encountered are tested, remediated/abated and disposed of in accordance with all applicable laws, regulations and permits. Any LBP, asbestos, and mold Inspection(s), Abatement(s) and Clearance Report(s), and applicable permits will be appended to this ERR.</p>
<p>Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Since there is incidental floodplain located on the Subject Property, compliance with 24 CFR 55 and EO 11988 is required. This roof replacement and rehabilitation project does not involve land development, new construction, tree/ vegetation clearing or ground disturbance which would modify the 100-year floodplain. Due to the nature of the proposed project activities and distance from the 100-year floodplain, no direct or indirect impacts are anticipated to the floodplain. The proposed project activities will be completed in accordance with all applicable federal, State and local laws, regulations, and permit requirements and conditions. The EO 11988 Floodplain Management Determination for the proposed project documents the 5-step process under 24 CFR 55.12(a)(4) in Attachment 9.</p>

Historic Preservation

National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800

Due to the historic significance of the subject building, NCORR understands the importance of maintaining the building's historical features while rehabilitating it from past storm damage and safeguarding it from future storm damage. Therefore, the window replacement portion as included in the July 7, 2023 design plans and ACM Abatement and Mold Remediation Specifications dated July 10, 2023 will be *excluded* from the proposed project since it does not meet the Secretary of the Interior's Standards for Rehabilitation (Standards) one, three and five. These Standards are: "1) The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided; 3) Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a historic property shall be preserved;" and "5) Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match to old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence." Refer to NPS Preservation Brief #9, The Repair of Historic Wooden Windows (<https://www.nps.gov/orgs/1739/upload/preservation-brief-09-wood-windows.pdf>) and the NC SHPO Memorandum (Memo) dated July 19, 2023 in **Attachment 10** for more details. In addition, NC SHPO Restoration Specialist Reid Thomas is available upon request and on a time available basis to provide technical restoration advice with the project.

If there is sufficient money in the budget available to repair or replace any windows, then the repair(s) and replacement(s) will be in accordance with all of the Standards. The proposed project scope must fit within the current budget while incorporating the Standards as outlined in the NC SHPO Memo. In order to achieve both goals, the hired contractor and project architect will need to evaluate the windows to prioritize and determine which ones are repairable and which ones are so severely damaged that they necessitate replacement. A determination for any proposed window rehabilitation will then be made based on the amount and best use of the remaining funds for windows requiring priority attention.

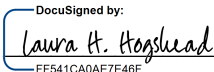
	The proposed project will be completed in accordance with the Secretary of the Interior's Standards for Rehabilitation. Ms. Renee Gledhill-Earley, NC SHPO Environmental Review Coordinator, responded "[o]ur office finds that the proposed repairs and renovations, including retention of the historic and character defining steel-frame windows, meet the Secretary of the Interior's Standards for Treatment of Historic Properties (Rehabilitation) and will have No Adverse Effect on the National Register-listed Davis School (HY0907).
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	The proposed project activities are not expected to generate excessive noise during the short-term construction work or long-term operation. Short-term construction noise will be limited to daytime hours. Construction equipment will be required to meet local sound control requirements. The proposed project activities will be completed in accordance with all applicable federal, State and local laws, regulations, and permit requirements and conditions.

Determination:

- This categorically excluded activity/project converts to Exempt, per 58.34(a)(12) because there are no circumstances which require compliance with any of the federal laws and authorities cited at §58.5. **Funds may be committed and drawn down after certification of this part** for this (now) EXEMPT project; OR
- This categorically excluded activity/project cannot convert to Exempt because there are circumstances which require compliance with one or more federal laws and authorities cited at §58.5. Complete consultation/mitigation protocol requirements, **publish NOI/RROF and obtain "Authority to Use Grant Funds"** (HUD 7015.16) per Section 58.70 and 58.71 before committing or drawing down any funds; OR
- This project is now subject to a full Environmental Assessment according to Part 58 Subpart E due to extraordinary circumstances (Section 58.35(c)).

Preparer Signature: Andrea Diewers Date: 9/8/23

Name/Title/Organization: Andrea Gievers, Environmental SME, NCORR

Certifying Officer Signature:  Date: 9/8/2023

Name/Title: Laura H. Hogshead, Director, NCORR

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

ATTACHMENT 1:

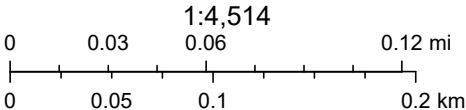
Proposed Project Location Maps, Hyde County Parcel Information, and Design Plans

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center



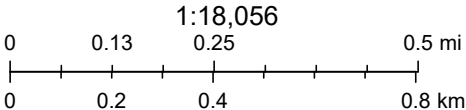
Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph,

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center



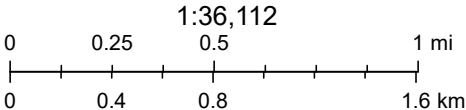
Esri Community Maps Contributors, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA,

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center

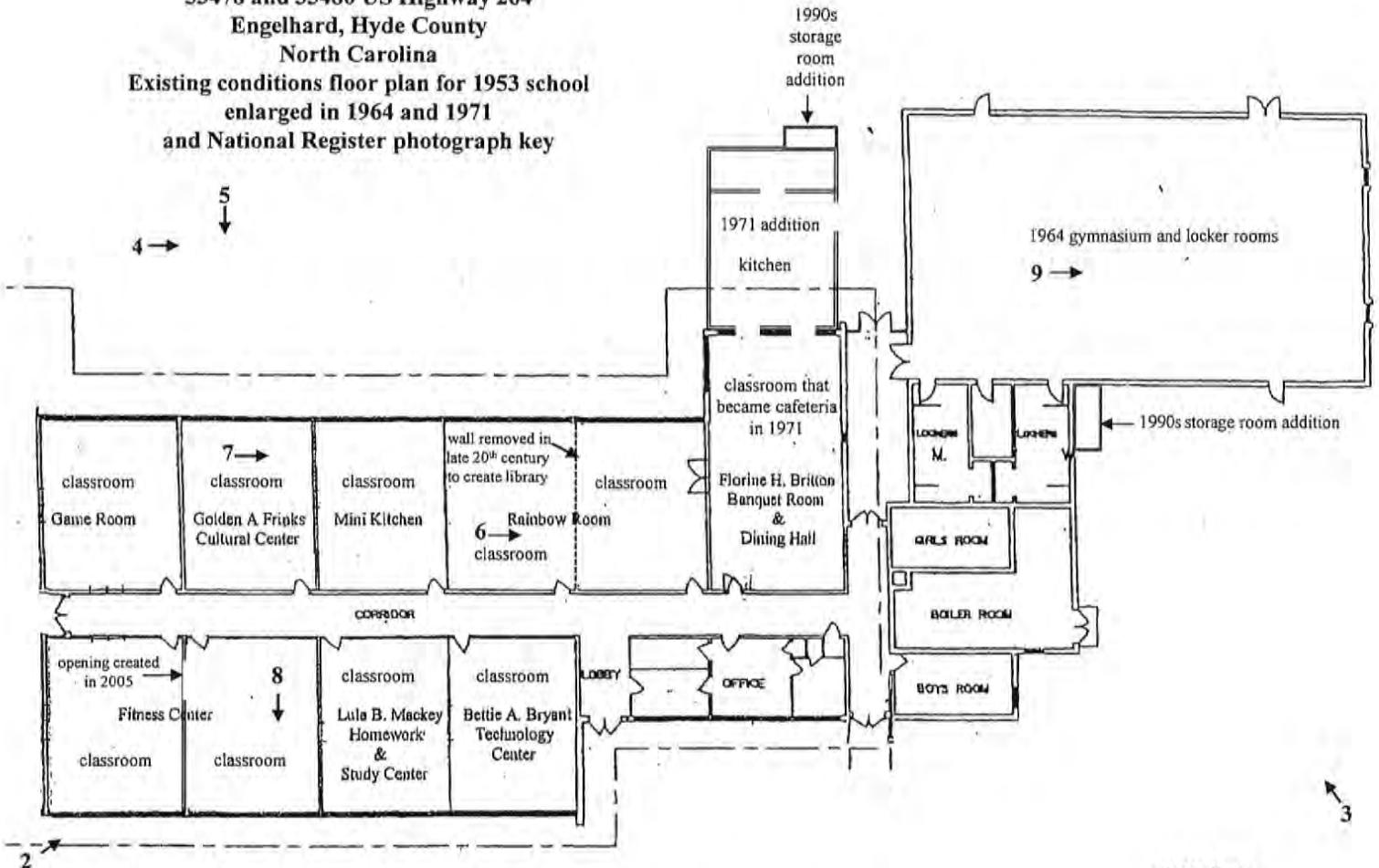


State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,

Davis Ventures Community Center Project – Photo from NRAC Meeting 2/9/23



Davis School
 33478 and 33480 US Highway 264
 Engelhard, Hyde County
 North Carolina
 Existing conditions floor plan for 1953 school
 enlarged in 1964 and 1971
 and National Register photograph key



Post-2005 floor plan provided by Davis Ventures
 Annotated by Heather Fearnbach, Fearnbach History Services, Inc. / December 2022

Not to Scale
 ← N

Hyde County Davis Ventures Community Center Project – Parcel Map

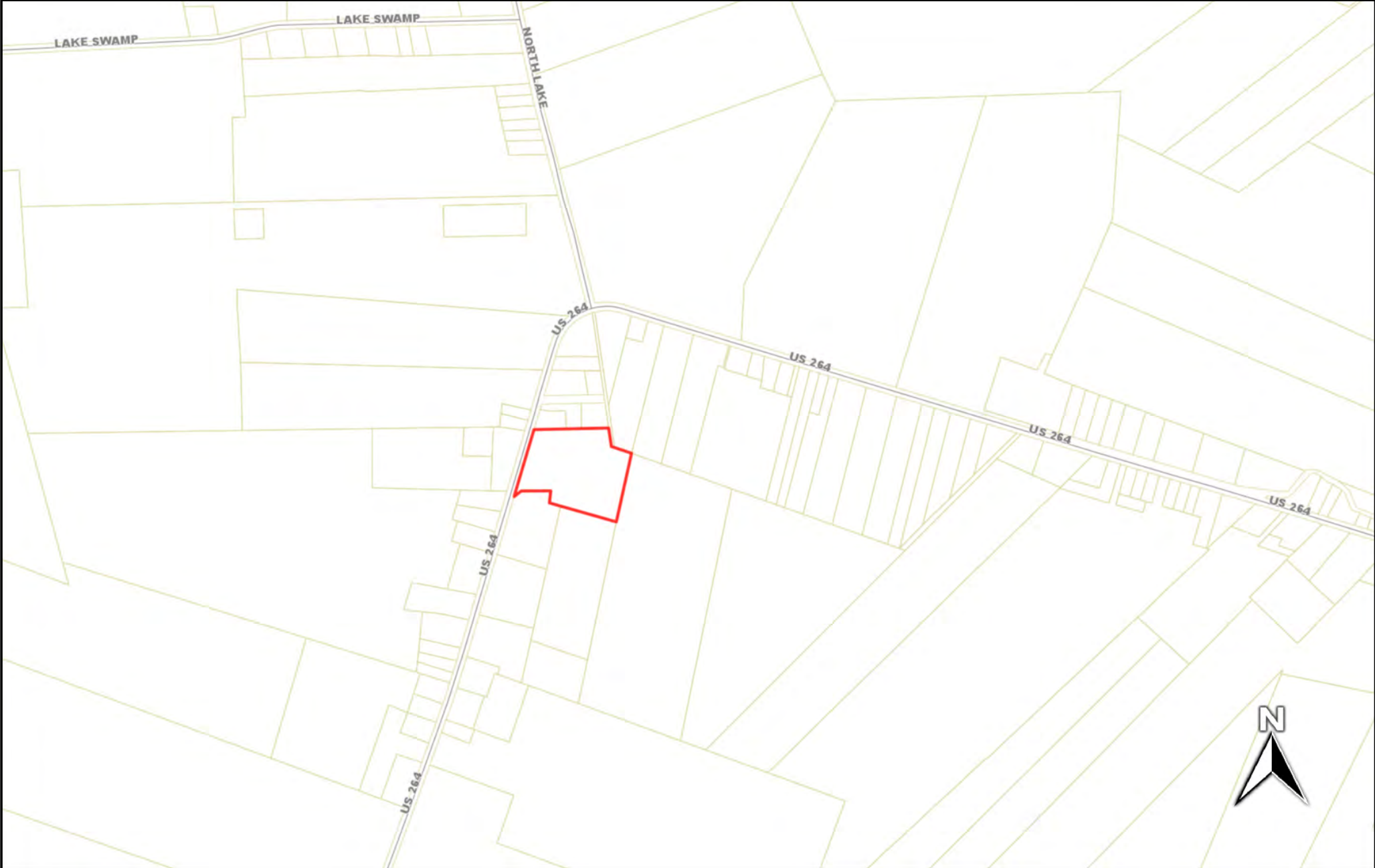


33478 U.S. 264, Engelhar

Basemap Imagery Draw Erase Save Session Tools More Data



Hyde County Davis Ventures Community Center Project



100 m
400 ft

Aug/10/2022
Scale 1:6626

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swain Quarter, NC 27885

ACCOUNT#

10

RECORD	CARD	PIN	MAP NUMBER
13444	1	8685-63-0956	R7 124

OWNER INFORMATION

HYDE COUNTY

PHYSICAL 911 ADDRESS

33480 US 264 HWY

DBA

LEGAL DESCRIPTION

LOT & BLDGS
DAVIS SCHOOL PROPERTY

NOTES

TOTAL ACRES	RSMS	CSMS	C & D	% INT	HSQFT
8.662	1	0	100%	0%	18,200

LISTED	REVIEWED	REVISIT	APPEALS
TWT 10/14/2015	MR 1/11/2009		

BUILDING INFORMATION

CONSTRUCTION STYLE	EXEMPT	COND	ROOMS	BDRMS		
SPECIAL	Y	A				
YR BLT	EFF YR	REM YR	DEP %	DEPOVR	FUN OBS	ECO OBS
1950	1970		28%			

BUILDING PROPERTIES

FOUNDATION	ROOF TYPE/MATERIAL	WALL FINISH	FLOOR FINISH	FUEL TYPE
CONCRETE REINFLAT	TAR & GRVL	UNFINISHED PAINTD BLK	CONCRETE TILE	OIL

BUILDING BUILT INS, BASEMENTS, ATTICS & SUB SECTIONS

TYPE	GRADE	NOTES	QTY/SIZE	RPCN	% COMP

Total Built Ins, Plumbing & Fireplace Value **\$29,300**

BUILDING SECTIONS

SEC#	TYPE	GRADE	EXT FIN	HEAT	AIR	SHGT	SQFT	WHGT	E YEAR	RPCN	DEP	% COMP
A.0	61 TYPICAL OFFICE	C	BRKVR	C-HEAT	C-AIR	1.00	13,950	1	1970	\$829,362	28%	100%
B.0	56 GYMNASIUM	C	BRKVR	C-HEAT	C-AIR	1.00	4,250	30	1970	\$363,327	28%	100%

PARCEL SUMMARY

TOTAL BLDG VALUE	\$447,790
LAND VALUE	\$144,829
OBLDG VALUE	\$13,000
APPRAISED VALUE	\$605,619
DEFERRED VALUE	\$0

Building Replacement Cost New **\$1,221,990**

TAXABLE VALUE **\$605,618**



A.0 61 SR100U15R80U10R10U50L20U45L40D50L130D70.
B.0 56 U70R130U50R40D45SR85U50L85D50.

PRINT DATE	LAST SAVED	BUILDING VALUE SUMMARY	
4/11/2018	10/16/2015	RPCN	\$1,221,990

DEP	28%	\$879,833
RCLND		\$342,157
OB3 F/E		\$0
LCF	85%	\$290,834

LAKE LANDING - REVAMP'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swain Quarter, NC 27885

ACCOUNT#

10

TOPO

STREET

LAND PROPERTIES

UTILITIES

ZONING

NBHD

TRACT

RECORD

CARD

PIN

MAP NUMBER

13444

1

8685-63-0956

R7 124

PAVED

WELL

3

3

0.0000

SEP SYS

ELECTR

LEVEL

OWNER INFORMATION

LAND NOTES

HYDE COUNTY

LAND

CLASS	METHOD	SIZE	DEPTH	BASE RATE	ADJ	ADJ RATE	SZ ADJ TBL	USE TYPE	USE VALUE	MARKET VALUE
2 P BLDG SITE	ACRE	8.662		\$22,000		\$16,720			\$144,829	\$144,829

Total Acres **8.66** \$ / Acre **\$16,720** Land Use Value **\$144,829** Land Value **\$144,829**

OUT BUILDINGS/OTHER IMPROVEMENTS

NUM	TYPE	GRADE	YEAR	COND	NOTES	STHGT	LENGTH X WIDTH	AREASIZE	RATE	DEP	VALUE	% COMP
1.	96 FENCE/CH LK							SF			\$3,000	
2.1	97 ASPHALT	C		A		1	1 X 10030	10030 SF		0.60	\$5,000	100%
3.1	47 SHELTER				INCLUDES RESTROOMS			SF			\$5,000	

Total Parcel Out Building & Other Improvements Value **\$13,000**

PREVIOUS VALUES	PARCEL SUMMARY	
\$262,375	TOTAL BLDG VALUE	\$447,790
\$144,829	LAND VALUE	\$144,829
\$5,600	OBLDG VALUE	\$13,000
\$412,804	APPRAISED VALUE	\$605,619
\$0	DEFERRED VALUE	\$0
\$426,620	TAXABLE VALUE	\$605,618

LAKE LANDING - REVAL'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#

10

RECORD	CARD	PIN	MAP NUMBER
13444	2	8685-63-0956	R7 124

OWNER INFORMATION

HYDE COUNTY

PHYSICAL 911 ADDRESS

33480 US 264 HWY

DBA

LEGAL DESCRIPTION

LOT & BLDGS
DAVIS SCHOOL PROPERTY

NOTES

TOTAL ACRES	RSMS	CSMS	C & D	% INT	HSQFT
8.662	1	0	100%	0%	10,350

LISTED	REVIEWED	REVISIT	APPEALS
TWT 10/14/2015	MR 1/11/2009		

BUILDING INFORMATION

CONSTRUCTION STYLE	EXEMPT	COND	ROOMS	BDRMS		
SPECIAL	Y	A				
YR BLT	EFF YR	REM YR	DEP %	DEPOVR	FUN OBS	ECO OBS
1950	1970		28%			

BUILDING PROPERTIES

FOUNDATION	ROOF TYPE/MATERIAL	WALL FINISH	FLOOR FINISH	FUEL TYPE
CONCRETE REINFORCABLE	METAL	UNFINISHED PAINTD BLK	CONCRETE TILE	OIL

BUILDING BUILT INS, BASEMENTS, ATTICS & SUB SECTIONS

TYPE	GRADE	NOTES	QTY/SIZE	RPCN	% COMP

Total Built Ins, Plumbing & Fireplace Value **\$12,000**

BUILDING SECTIONS

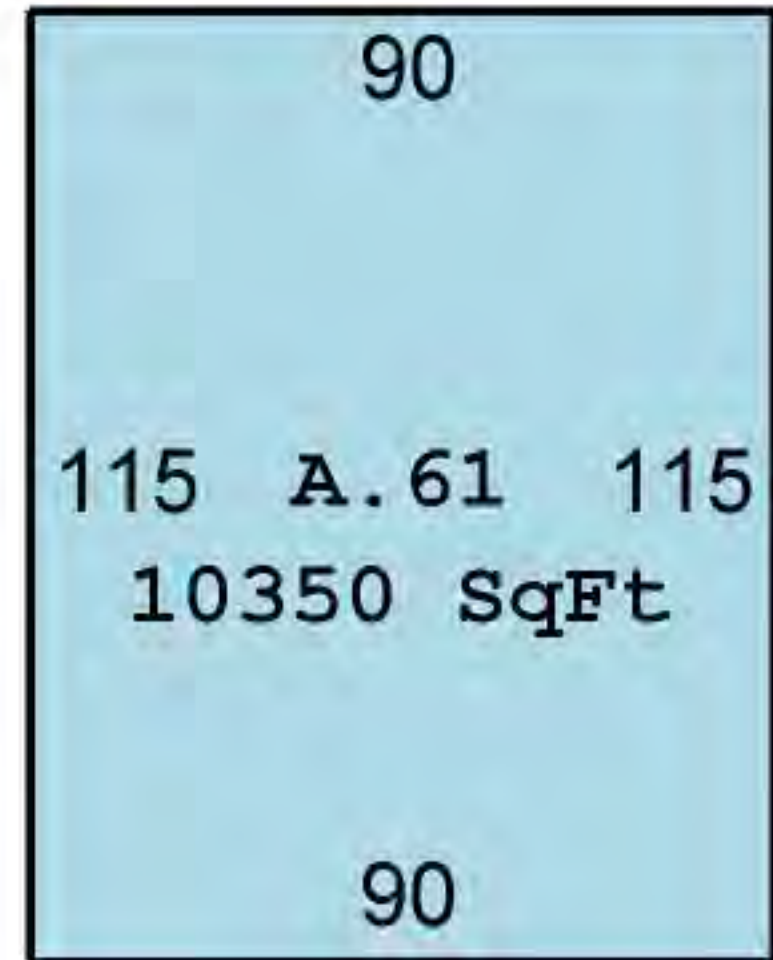
SEC#	TYPE	GRADE	EXT FIN	HEAT	AIR	SHGT	SQFT	W/HGT	E YEAR	RPCN	DEP	% COMP
A.0	61 TYPICAL OFFICE	C	BRKVR	C-HEAT	C-AIR	1.00	10,350	1	1970	\$615,333	28%	100%

PARCEL SUMMARY

TOTAL BLDG VALUE	\$447,790
LAND VALUE	\$144,829
OBLDG VALUE	\$13,000
APPRAISED VALUE	\$605,619
DEFERRED VALUE	\$0

Building Replacement Cost New **\$627,333**

TAXABLE VALUE **\$605,618**



A.0 61 SR90U115L90D115.

PRINT DATE	LAST SAVED
4/11/2018	10/16/2015

BUILDING VALUE SUMMARY

RPCN	\$627,333
DEP 28%	\$451,680
RCLND	\$175,653
OBS F/E	\$0
LCF 85%	\$149,305

LAKE LANDING - REVAMP'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#		TOPO	STREET	UTILITIES	ZONING	NBHD	TRACT	
10			PAVED	WELL	3	3	0.0000	
RECORD	CARD	PIN	MAP NUMBER	LEVEL				SEP SYS ELECTR
13444	2	8685-63-0956	R7 124					

OWNER INFORMATION
HYDE COUNTY

LAND NOTES

LAND										
CLASS	METHOD	SIZE	DEPTH	BASE RATE	ADJ	ADJ RATE	SZ ADJ TBL	USE TYPE	USE VALUE	MARKET VALUE
Total Acres 8.66 \$ / Acre \$16,720 Land Use Value \$144,829 Land Value \$144,829										

OUT BUILDINGS / OTHER IMPROVEMENTS												
NUM	TYPE	GRADE	YEAR	COND	NOTES	STHGT	LENGTH X WIDTH	AREASIZE	RATE	DEP	VALUE	% COMP
Total Parcel Out Building & Other Improvements Value \$13,000												

PREVIOUS VALUES	PARCEL SUMMARY	
\$262,375	TOTAL BLDG VALUE	\$447,790
\$144,829	LAND VALUE	\$144,829
\$5,600	OBLDG VALUE	\$13,000
\$412,804	APPRAISED VALUE	\$605,619
\$0	DEFERRED VALUE	\$0
\$426,620	TAXABLE VALUE	\$605,618

LAKE LANDING - REVAL'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#

10

RECORD	CARD	PIN	MAP NUMBER
13444	3	8685-63-0956	R7 124

OWNER INFORMATION

HYDE COUNTY

PHYSICAL 911 ADDRESS

33480 US 264 HWY

DBA

LEGAL DESCRIPTION

LOT & BLDGS
DAVIS SCHOOL PROPERTY

NOTES

TOTAL ACRES	RSMS	CSMS	C & D	% INT	HSQFT
8.662	1	0	100%	0%	2,128

LISTED	REVIEWED	REVISIT	APPEALS
TWT 10/14/2015	MR 1/11/2009		

BUILDING INFORMATION

CONSTRUCTION STYLE		EXEMPT	COND	ROOMS	BRMS	
DOUBLE WIDE		Y	A			
YR BLT	EFF YR	REM YR	DEP %	DEPOVR	FUN OBS	ECO OBS
1984	1984		12%			

BUILDING PROPERTIES

FOUNDATION	ROOF TYPE/MATERIAL	WALL FINISH	FLOOR FINISH	FUEL TYPE
BRICK	GABLE COMP SHGLS	PANEL	SOFTWOOD TITLE	GAS

BUILDING BUILT INS, BASEMENTS, ATTICS & SUB SECTIONS

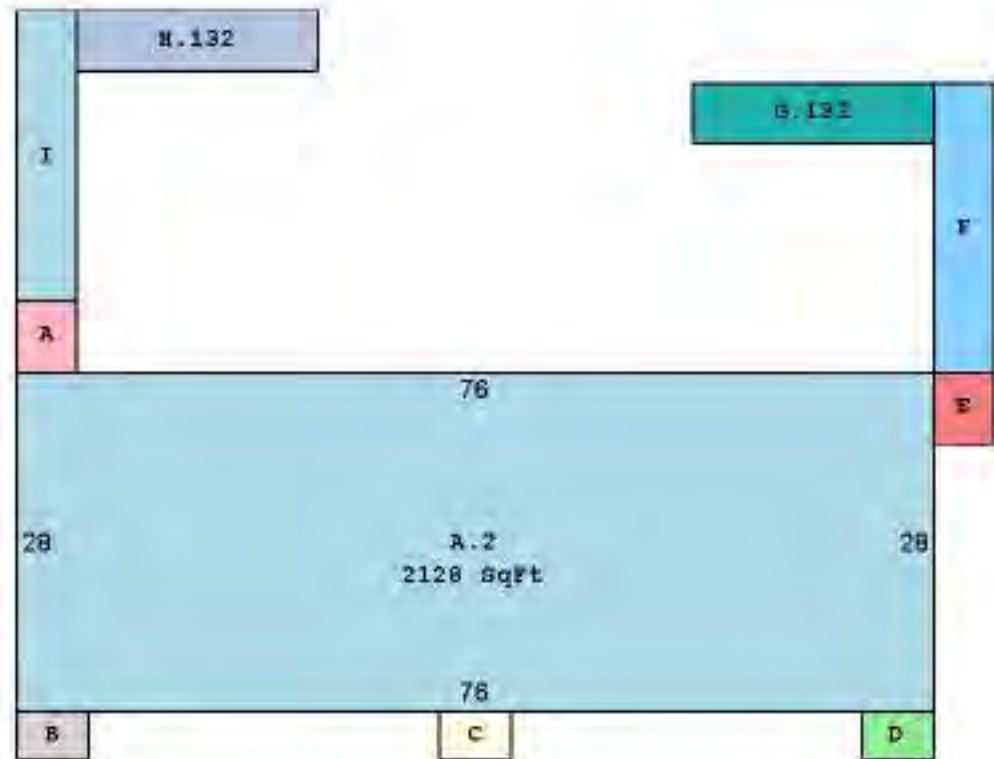
TYPE	GRADE	NOTES	QTY/SIZE	RPCN	% COMP

Total Built Ins, Plumbing & Fireplace Value **\$4,200**

BUILDING SECTIONS

SEC#	TYPE	GRADE	EXT FIN	HEAT	AIR	SHGT	SQFT	WHTG	EYEAR	RPCN	DEP	% COMP
A.0	2MFH DW MOB HOME	D	SDOSH	C-HEAT	C-AIR	1.00	2,128	1	1984	\$65,452	12%	100%
B.0	112WOOD DECK	D				1.00	24	1	1984	\$201	12%	100%
C.0	112WOOD DECK	D				1.00	24	1	1984	\$201	12%	100%
D.0	112WOOD DECK	D				1.00	24	1	1984	\$201	12%	100%
E.0	112WOOD DECK	D				1.00	30	1	1984	\$251	12%	100%
F.0	132RAMP	D				1.00	120	1	1984	\$1,154	12%	100%
G.0	132RAMP	D				1.00	100	1	1984	\$962	12%	100%
H.0	132RAMP	D				1.00	100	1	1984	\$962	12%	100%
I.0	132RAMP	D				1.00	120	1	1984	\$1,154	12%	100%
A.0	112WOOD DECK	D				1.00	30	1	1984	\$251	12%	100%

Building Replacement Cost New **\$74,988**



- A.0 2 SR76U28L76D28.
- A.0 112 U28SR5U6L5D6.
- B.0 112 SD4R6U4L6.
- C.0 112 R35SD4R6U4L6.
- D.0 112 R70SD4R6U4L6.
- E.0 112 R76U22SR5U6L5D6.
- F.0 132 R76U28SR5U24L5D24.
- G.0 132 U28R76U19SU5L20D5R20.
- H.0 132 U58R5SD5R20U5L20.
- I.0 132 U34SR5U24L5D24.

PRINT DATE	LAST SAVED
4/11/2018	10/16/2015

BUILDING VALUE SUMMARY

RPCN	\$74,988
DEP 12%	\$65,990
RCLND	\$8,999
OBS F/E	\$0
LCF 85%	\$7,649

PARCEL SUMMARY

TOTAL BLDG VALUE	\$447,790
LAND VALUE	\$144,829
OBLDG VALUE	\$13,000
APPRAISED VALUE	\$605,619
DEFERRED VALUE	\$0

TAXABLE VALUE **\$605,618**

LAKE LANDING - REVAMP'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#

10

TOPO

STREET

LAND PROPERTIES

UTILITIES

ZONING

NBHD

TRACT

RECORD

CARD

PIN

MAP NUMBER

13444

3

8685-63-0956

R7 124

PAVED

WELL

3

3

0.0000

SEP SYS

ELECTR

LEVEL

OWNER INFORMATION

LAND NOTES

HYDE COUNTY

LAND

CLASS	METHOD	SIZE	DEPTH	BASE RATE	ADJ	ADJ RATE	SZ ADJ TBL	USE TYPE	USE VALUE	MARKET VALUE
Total Acres 8.66 \$ / Acre \$16,720 Land Use Value \$144,829 Land Value \$144,829										

OUT BUILDINGS / OTHER IMPROVEMENTS

NUM	TYPE	GRADE	YEAR	COND	NOTES	STHGT	LENGTH X WIDTH	AREASIZE	RATE	DEP	VALUE	% COMP
Total Parcel Out Building & Other Improvements Value \$13,000												

PREVIOUS VALUES	PARCEL SUMMARY	
\$262,375	TOTAL BLDG VALUE	\$447,790
\$144,829	LAND VALUE	\$144,829
\$5,600	OBLDG VALUE	\$13,000
\$412,804	APPRAISED VALUE	\$605,619
\$0	DEFERRED VALUE	\$0
\$426,620	TAXABLE VALUE	\$605,618

LAKE LANDING - REVAL'D 2017

DAVIS VENTURES COMMUNITY CENTER

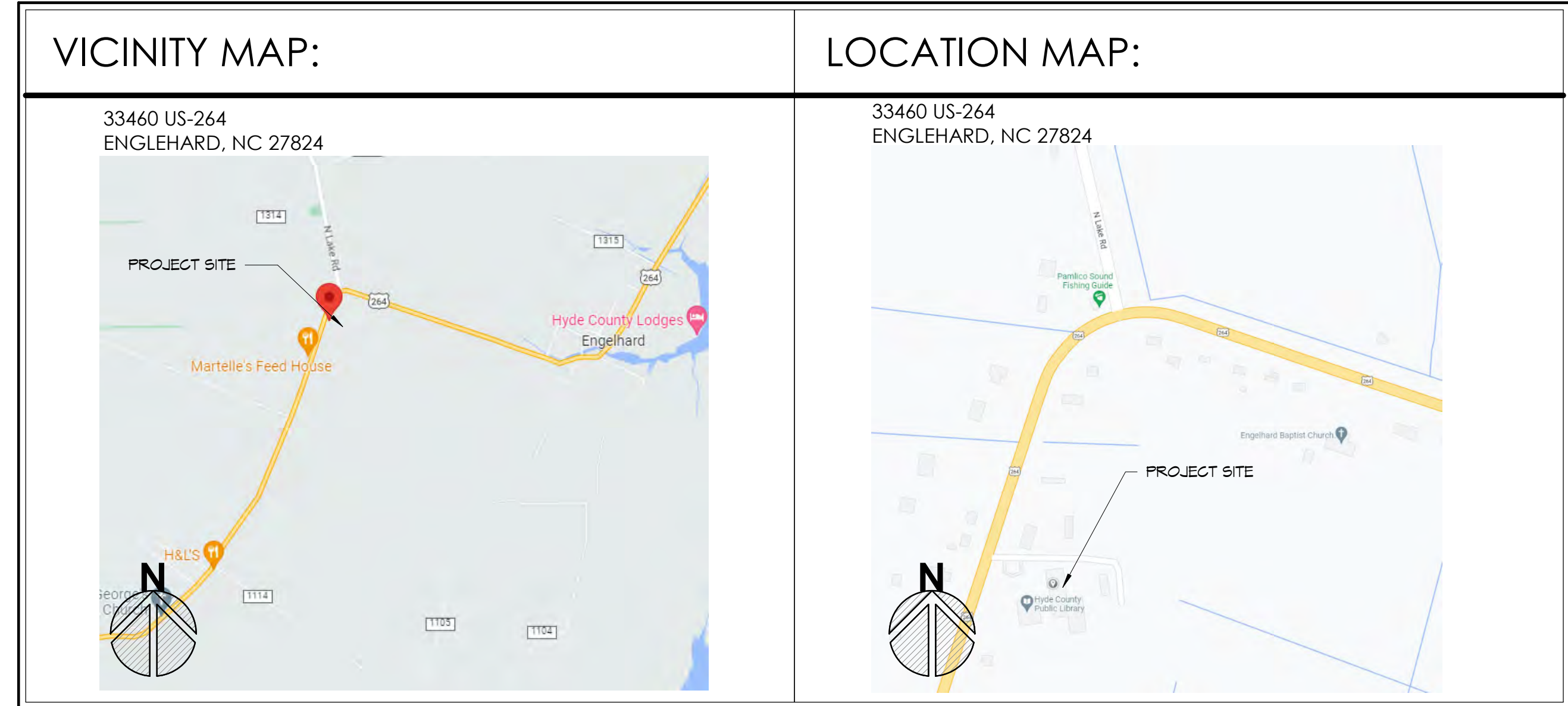
ROOF & BUILDING REPAIRS

100% CONSTRUCTION DOCUMENTS
BEHIND 33460 US-264; ENGLEHARD, NC 27824



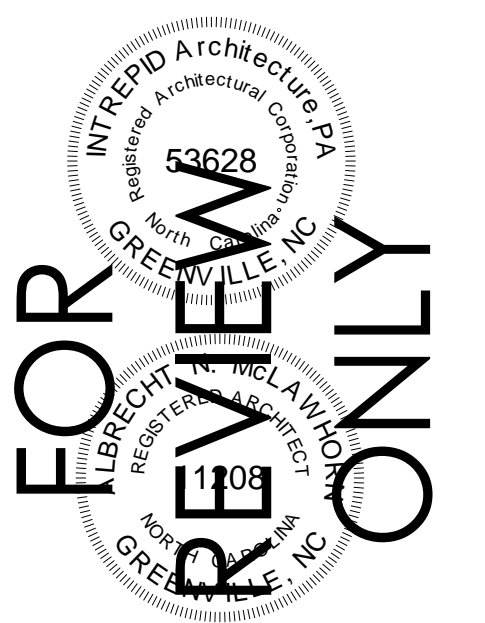
INTREPID ARCHITECTURE

114 E. 3rd STREET, GREENVILLE, NC 27858
p: 1.252.270.5330
www.INTREPIDArchitecture.com



DRAWING SHEET INDEX			
NO	NAME	ISSUED	REVISION: NO DATE
01 - General			
G1.01	VICINITY MAP, DRAWING INDEX, SYMBOLS, ABBREVIATIONS, & GENERAL NOTES	07/07/23	
G1.02	BUILDING CODE SUMMARY/APPENDIX B	07/07/23	
G2.01	LIFE SAFETY PLAN	07/07/23	
G3.01	GENERAL NOTES & SPECIFICATIONS	07/07/23	
05 - Architecture			
A0.01	DEMO FLOOR PLAN	07/07/23	
A0.02	DEMO ROOF PLANS	07/07/23	
A0.03	DEMO REFLECTED CEILING PLAN	07/07/23	
A0.04	DEMO EXTERIOR ELEVATIONS	07/07/23	
A1.01	OVERALL FLOOR PLAN	07/07/23	
A1.02	ROOF PLAN	07/07/23	
A2.01	PROPOSED EXTERIOR ELEVATIONS	07/07/23	
A5.01	PROPOSED RCP	07/07/23	
A6.01	WALL SECTIONS & DETAILS	07/07/23	
A8.01	FRAME ELEVATIONS & SCHEDULES	07/07/23	
06 - STRUCTURAL			
S1.1	ROOF FRAMING PLAN & PLAN NOTES	03/31/23	
S1.2	ROOF FRAMING DETAILS SECTIONS & NOTES	03/31/23	

DAVIS VENTURES COMMUNITY CENTER
ROOF & BUILDING REPAIRS
 33460 US-264 (BEHIND)
 ENGLEHARD, NC 27824



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REVISIONS:

#	DESC:	DATE

DRAWN BY: DJH/JO
PROJECT #: 20014
ISSUE DATE: 07/07/23

PHASE:
100% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER

VICINITY MAP, DRAWING INDEX, SYMBOLS, ABBREVIATIONS, & GENERAL NOTES

G1.01

CEILING SYMBOLS

CEILING ROOM TAG

CEILING TYPE

- PAINTED GYP. BD. REFER TO TAG FOR TYPE AND ELEVATION
- CEILING GRID REFER TO TAG FOR TYPE AND ELEVATION

MECHANICAL RETURN

MECHANICAL SUPPLY

MECHANICAL EXHAUST

EMERGENCY EXIT SIGN CEILING MOUNTED

EMERGENCY EXIT SIGN WALL MOUNTED

2X4 LIGHTING FIXTURE

2X2 LIGHTING FIXTURE

RECESSED CAN LIGHT

LINEAR LIGHT

FIRE ALARM

HEAT DETECTOR

SMOKE DETECTOR

SPEAKER

SPRINKLER HEAD

DATUM TAG

FINISH SYMBOLS

ROOM FINISH TAG

FLOOR MATERIALS/FINISH LEGEND

- CPT CARPET
- VCT VINYL COMPOSITION TILE
- CT CERAMIC TILE
- PT PAVER TILE
- EC EXPOSED CONCRETE, SEALED
- LVT LUXURY VINYL TILE
- EX EXPOSED

BASE MATERIALS/FINISH LEGEND

- RB RUBBER BASE
- PW PAINTED WOOD
- SW STAINED WOOD
- CTB CERAMIC TILE BASE

WALL MATERIALS/FINISH LEGEND

- PM PAINTED MASONRY
- PT PAINTED
- VW VINYL WALL COVERING
- CT CERAMIC TILE GLAZED WALL
- E EXPOSED CONSTRUCTION, UNPAINTED
- EP EXPOSED CONSTRUCTION, PAINTED
- ES EXPOSED STEEL, UNPAINTED
- PS EXPOSED STEEL, PAINTED
- PGB PAINTED GYPSUM BOARD

CEILING MATERIALS/FINISH LEGEND

- ACT ACOUSTICAL PANEL CEILING
- GYP PAINTED GYPSUM BOARD
- EX EXPOSED CONSTRUCTION, UNPAINTED
- EP EXPOSED CONSTRUCTION, PAINTED
- VAR VARIES, HEIGHT
- MSP FIBER CEMENT BOARD SOFFIT PANEL - PERFORATED
- WD WOOD-LOOK METAL SOFFIT PANELING

*NOTE REGARDING ALL FINISH TAGS - IF DESIGNATION IS FOLLOWED BY NUMERAL, DENOTES SPECIFIC MATERIAL TYPE WITHIN CATEGORY (REFER TO FINISH SCHEDULE)

GENERAL SYMBOLS

WALL TYPE TAG

DEMO KEY NOTE

PLAN KEY NOTE

DOOR TAG

CENTER LINE

FLOOR DRAIN

THERMOSTAT

CONTROL JOINT

SLOPE ARROW

OPENING TAG

FIRE EXTINGUISHER CABINET

EMERGENCY WALL LIGHT

SPRINKLER VALVE CABINET

ROOM TAG

OCCUPANCY TAG

AREA DESIGNATION

GRID LINE + BUBBLE

LEVEL LINE

LEVEL NAME

HEIGHT ABOVE LEVEL 1 (LEVEL 1 = 0'-0" UNO.)

VIEW TYPES:

- DETAIL VIEW/ ENLARGED VIEW
- BUILDING SECTION
- WALL SECTION
- EXTERIOR ELEVATION
- INTERIOR ELEVATION

REVISION TAG AND CLOUD

View Name

View Scale

View Number

ARCHITECTURAL ABBREVIATIONS

ACT ACOUSTICAL CEILING TILE
ADA AMERICANS WITH DISABILITIES ACT OF 1992
ADJ. ADJACENT
AFF ABOVE FLOOR FINISH
AFG ABOVE FINISHED GRADE
ARA AREA OF RESCUE ASSISTANCE
BD BOARD
B/W BETWEEN
BOF BOTTOM OF FOOTING
BOT BOTTOM
CAN CANOPY
CI CAST IRON
CPT CARPET
CLG. HT. CEILING HEIGHT
CL CENTER LINE
CMU CONCRETE MASONRY UNIT
CO CLEAN OUT
COL COLUMN
CONC. CONCRETE
CONT. CONTINUOUS
CRS CHAIN ROLLER SHADE
DIA DIAMETER
DIM DIMENSION
DN DOWN
DO DOOR OPENING
DS DOWNSPOUT
DWG. DRAWINGS
EA EACH
EC ELECTRICAL CONTRACTOR
EJ EXPANSION JOINT
ELEC. ELECTRICAL
EQ EQUAL
EXIST EXISTING
EXP EXPOSED
EXT EXTERIOR
FACP FIRE ALARM CONTROL PANEL
FCU FAN COIL UNIT
FD FLOOR DRAIN
F.E. FIRE EXTINGUISHER
FEC FIRE EXTINGUISHER CABINET
FFE FINISHED FLOOR ELEVATION
GYP GYPSUM
GC GENERAL CONTRACTOR
HB HOSE BIB
HDW HARDWARE
HLB HORIZONTAL LOUVER BLIND
HM HOLLOW METAL
HT HEIGHT
HVAC HEAT, VENTILATION & AIR CONDITIONS
HWC HOLLOW CORE WOOD DOOR
INSUL INSULATION
INT INTERIOR
LVL LAMINATED VENEER LUMBER
LVT LUXURY VINYL TILE
MAX MAXIMUM
MANUF MANUFACTURER
MECH. MECHANICAL
MIN. MINIMUM
MO MASONRY OPENING
MRS MOTORIZED ROLLER SHADE
N.I.C. NOT IN CONTRACT
N.T.S. NOT TO SCALE
O.C. ON CENTER
O.P.C.I. OWNER PROVIDED CONTRACTOR INSTALLED
PLM PLASTIC LAMINATE
PLYWD PLYWOOD
PGB PAINTED GYPSUM BOARD
PT PAINT
RB RUBBER BASE
RD ROOF DRAIN
REF REFERENCE
REINF REINFORCED
REQD REQUIRED
RM ROOM
RO ROUGH OPENING
SAB SOUND ABATING BATTING
SD SMOKE DETECTOR
SF SQUARE FEET
SIM SIMILAR
SPECS SPECIFICATIONS
SS STAINLESS STEEL
STD STANDARD
STL STEEL
STRUCT STRUCTURAL DRAWINGS
SWC SOLID WOOD CORE DOOR
SYW SQUARE YARD
CT CERAMIC TILE
TERM TERMINATION/TERMINATE
THRESH THRESHOLD
T&G TONGUE AND GROOVE
TO TOP OF
TOF TOP OF FOOTING
TOM TOP OF MASONRY
TOP TOP OF PLATE
TOS TOP OF STEEL
TOW TOP OF WALL
TS TRANSITION STRIP
TYP TYPICAL
UNO UNLESS NOTED OTHERWISE
VAR VARIES
VCT VINYL COMPOSITE TILE
WC WATER CLOSET
WB WOOD BASE
WD WOOD
W/ WITH
W/O WITHOUT

PARTITION LEGEND

- EXISTING PARTITION TO DEMOLISH
- EXISTING PARTITION TO REMAIN
- UNRATED NEW PARTITION
- 1-HOUR RATED BARRIER
- 2-HOUR RATED BARRIER

Project activities will be completed in accordance with the Secretary of the Interior's Standards for Rehabilitation

SPECIFICATIONS

DIVISION 0 – CONTRACTING REQUIREMENTS

1. THROUGHOUT THE DOCUMENTS HEREIN, THE TERM "OWNER" SHALL MEAN HYDE COUNTY, NORTH CAROLINA.
2. ALL OWNER STANDARDS AND PRACTICES SHALL BE STRICTLY ADHERED TO BY THE CONTRACTOR.
3. CONSTRUCTION UNDER CONTRACT TO BE USED FOR THE PROJECT SHALL BE PER FRONT END SPECIFICATIONS MANUAL, U.N.O.
4. CONTRACTOR REQUIRED TO MAKE A SITE VISIT PRIOR TO SUBMITTING BID. UPON SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THEIR FAMILIARITY WITH THE PROJECT SITE AND EXISTING CONDITIONS.
5. AS NOTED THEREIN, UNLESS SPECIALLY REQUESTED OTHERWISE BY THE OWNER, THE CONTRACTOR SHALL PROVIDE PERFORMANCE AND PAYMENT BONDS IN THE FULL AMOUNT OF THE CONTRACT PRIOR TO THE EXECUTION OF THE CONSTRUCTION CONTRACT.
6. GENERAL CONTRACTOR SHALL MAINTAIN INSURANCE COVERAGE FOR GENERAL LIABILITY, WORKERS COMP, AND BUILDERS RISK FOR THE DURATION OF THE PROJECT UNLESS NOTED / APPROVED BY THE OWNER OTHERWISE. (SEE FRONT END SPECIFICATION MANUAL)
7. CONTRACTOR SHALL PROVIDE DOCUMENTATION OF WORK AND COSTS AS NEEDED TO THE ARCHITECT AND OWNER TO APPROVE PAYMENT APPLICATIONS.
8. CONTRACTOR SHALL MOBILIZE ON SITE UPON THE EXECUTION OF THE CONSTRUCTION CONTRACT (UNLESS NOTED OTHERWISE IN THE SPECIFICATION MANUAL), BUT SHALL OBTAIN THE OWNER'S APPROVAL FOR THE CONSTRUCTION SCHEDULE AND LOGISTICS IN ADVANCE OF MOBILIZATION.
9. G.C. SHALL BE RESPONSIBLE FOR THE PROTECTION AND STORAGE OF ALL PRODUCTS REQUIRED TO PERFORM THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS.
10. CONTRACTOR IS RESPONSIBLE FOR FURNISHING A SCHEDULE SHOWING ALL MILESTONE DATES INCLUDING REQUIRED DATES FOR RECEIVING OWNER-SUPPLIED EQUIPMENT ON SITE. SHOULD SUCH ITEMS ARRIVE ONSITE AHEAD OF SAID DATE, THE OWNER SHALL BEAR THE SOLE RESPONSIBILITY FOR RECEIVING, STORING, AND HANDLING SUCH EQUIPMENT/ITEMS.
11. CONTRACTOR SHALL CONFIRM/COORDINATE ALL SCHEDULE REQUIREMENTS, LIQUIDATED DAMAGES, GENERAL CONDITIONS, ETC. WITH THE OWNER PRIOR TO SUBMITTING FINAL PRICING.
12. BASIS OF DESIGN PRODUCTS OR OWNER/ARCHITECT APPROVED EQUALS SHALL BE INSTALLED AS PER THE CONTRACT DOCUMENTS AND /OR THE MANUFACTURER'S REQUIREMENTS. IF THESE CONFLICT, THE G.C. SHALL PRICE THE MORE EXPENSIVE METHOD AND CONFIRM WITH THE DESIGNER OF RECORD PRIOR TO PROCEEDING.
13. SHOULD DISCREPANCIES EXIST WITHIN THE CONTRACT DOCUMENTS, GC SHALL PRICE THE MOST EXPENSIVE OPTION AND CONTACT THE OWNER/ARCHITECT FOR FURTHER CLARIFICATION.
14. INTERIOR PARTITIONS ARE DIMENSIONED FROM FACE OF STUD TO FACE OF STUD, UNLESS NOTED OTHERWISE. MAINTAIN DIMENSIONS MARKED "CLEAR", ALLOW FOR THICKNESS OF FINISHED WALL MATERIAL WHEN LAYING OUT WALLS NOTED TO BE "CLEAR". DOT AT DIMENSION TICK INDICATES MEASUREMENT TO FACE OF FINISHED SURFACE. PLAN NORTH/SOUTH DIMENSION STRINGS ARE ON THE PLAN NORTH FACE OF INTERIOR STUD. PLAN EAST/WEST DIMENSION STRINGS ARE PICKED FROM THE PLAN EAST FACE OF INTERIOR STUD. ALL INTERIOR DIMENSION STRINGS AT EXTERIOR WALLS PICK FROM INSIDE FACE OF STUD OR WALL U.N.O.
15. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, CONSULT THE ARCHITECT FOR DIRECTION.
16. REFER TO DRAWING SHEETS FOR KEYED NOTES.
17. ALL PRODUCTS LISTED AS BASIS-OF-DESIGN SHALL BE SUBMITTED AS NOTED, OR OTHER APPROVED EQUAL.

DIVISION 1 – GENERAL REQUIREMENTS

1. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE 2018 NORTH CAROLINA EXISTING BUILDING CODE, 2018 NORTH CAROLINA BUILDING CODE, ANSI 117.1, AND ALL OTHER APPLICABLE CODES ACCORDING TO THE AUTHORITIES HAVING JURISDICTION.
2. ALL WORK SHALL BE PERFORMED BY QUALIFIED AND APPROPRIATELY LICENSED PERSONNEL.
3. GC RESPONSIBLE FOR THE COORDINATION AND REVIEW RELATED TO ALL PERMITS, FEES, ETC. ASSOCIATED WITH THIS SCOPE OF WORK AS WELL AS COORDINATING AND SCHEDULING ALL REQUIRED INSPECTIONS. ARCHITECT AND OWNER TO BE NOTIFIED OF SCHEDULED INSPECTION WITH 3 DAYS NOTICE SO THEY CAN WITNESS THE INSPECTION IF DESIRED.
4. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES AND UNDERGROUND ITEMS AS REQUIRED FOR THIS SCOPE OF WORK. CONDITIONS THAT PROHIBIT THE WORK FROM BEING PERFORMED AS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR EVALUATION BEFORE CONTINUING WITH WORK.
5. CONTRACTOR RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION. ANY DISCREPANCIES FROM THE DRAWINGS SHALL BE CONVEYED TO THE ARCHITECT FOR EVALUATION PRIOR TO CONTINUING WORK.
6. CONTRACTOR RESPONSIBLE FOR COORDINATING ALL SCHEDULES WITH OWNER AND ARCHITECT PRIOR TO START OF CONSTRUCTION.
7. CLEAN ALL SPACES WHERE DEMOLITION/CONSTRUCTION HAS OCCURRED AT THE CLOSE OF EACH DAY, MAINTAINING A CLEAN AND SAFE SITE IS THE RESPONSIBILITY OF THE GC.
8. COORDINATE ALL PLUMBING, MECHANICAL, ELECTRICAL WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR EVALUATION PRIOR TO CONTINUING WORK.
9. CONTRACTOR SHALL COORDINATE THE USE OF THE PREMISES UNDER THE DIRECTION OF THE OWNER.
10. FINAL CLEANING OF THE BUILDING AND SITE SHALL BE BY THE GENERAL CONTRACTOR PRIOR TO OCCUPANCY.
11. THIS PROJECT DOES NOT INCLUDE STORAGE, DISPENSING OR USE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS, FLAMMABLE GAS, OR HAZARDOUS SUBSTANCES.
12. LOCATION OF ELECTRICAL, MECHANICAL, AND PLUMBING FIXTURES INDICATED ON ARCHITECTURAL BACKGROUNDS ARE FOR LOCATIONS PURPOSES ONLY. REFER TO ENGINEERING DRAWINGS FOR FINAL TYPES AND QUANTITIES.
13. PROJECT LAYDOWN AND CONTRACTOR PARKING SHALL BE COORDINATED WITH THE OWNER.
14. DELEGATED DESIGNS SHALL BE SUBMITTED TO THE DESIGNER AND OWNER FOR REVIEW AND APPROVAL. SUBMIT TO AHP FOR FINAL REVIEW AFTER OWNER AND DESIGNER APPROVAL. DELEGATED DESIGN DRAWINGS MUST BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF NC.
15. MANUFACTURER EQUALS: PRODUCTS LISTED HEREIN ARE THE BASIS-OF-DESIGN SELECTIONS. ALTERNATE MANUFACTURERS ARE ACCEPTABLE IF THEY CAN PROVIDE A PRODUCT OF EQUAL QUALITY AND PERFORMANCE. CONTRACTOR SHALL BE RESPONSIBLE TO PROVE THE ALTERNATE PRODUCTS ARE EQUAL TO THE SPECIFIED BASIS-OF-DESIGN.
16. WARRANTY:
17. 1-YEAR WORKMANSHIP WARRANTY: CONTRACTOR TO PROVIDE A 1-YEAR WORKMANSHIP WARRANTY BEGINNING ON THE DATE OF SUBSTANTIAL COMPLETION.
18. STANDARD MANUFACTURER WARRANTIES SHALL BE PROVIDED FOR ALL MATERIALS AND INSTALLATION PROVIDED AS PART OF THIS SCOPE OF WORK. UNO, ALL WARRANTIES SHALL BEGIN ON THE DATE OF SUBSTANTIAL COMPLETION.
 1. CONTRACTOR TO SUBMIT SAMPLE WARRANTIES TO OWNER/ARCHITECT FOR REVIEW AND APPROVAL.
19. ALLOWANCES: SEE FRONT-END SPECIFICATION MANUAL.
20. UNIT PRICES: SEE FRONT-END SPECIFICATION MANUAL.
21. ALTERNATES: SEE FRONT-END SPECIFICATION MANUAL.

DIVISION 2 – EXISTING CONDITIONS

1. CONTRACTOR SHALL PROVIDE APPROPRIATE PROTECTION, BRACING, CONTAINMENTS, AND/OR DUST PARTITIONS AS NEEDED FOR DEMOLITION UNTIL NEW CONSTRUCTION IS COMPLETE TO PROTECT EXISTING SPACES OUTSIDE WORK AREA.

2. HAZARDOUS MATERIALS ARE EXPECTED WITHIN THE PROJECT AREA. ABATEMENT OF HAZARDOUS MATERIALS AND REMEDIATION OF THE MOLD IS INCLUDED AS PART OF THIS SCOPE OF WORK. REFER TO SPECIFICATION MANUAL FOR ADDITIONAL INFORMATION. SHOULD ANY EXISTING CONDITIONS DEVIATE FROM THE CONTRACT DOCUMENTS SUCH THAT THE SCOPE OF WORK IS IMPACTED, THE GC SHALL IMMEDIATELY NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND FINISHES PRIOR TO THE START OF ANY WORK. DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR EVALUATION BEFORE CONTINUING WITH WORK.
4. CONTRACTOR SHALL OFFER OWNER FIRST RIGHT OF REFUSAL FOR ALL SALVAGEABLE ITEMS.
5. DEMOLITION PLANS AND DETAIL INDICATE THE GENERAL INTENT AND ARE NOT INTENDED TO SHOW ALL ITEMS TO BE REMOVED OR RETAINED. THE G.C. SHALL VISIT THE SITE PRIOR TO THE SUBMISSION OF BIDS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND EXTENT OF WORK OUTLINED HEREIN.
6. SELECTIVE DEMOLITION IS TO INCLUDE (BUT NOT LIMITED TO) ITEMS DASHED ON DEMOLITION DRAWINGS AND AS NOTED IN KEYED DEMOLITION NOTES.
7. ITEMS TO BE DEMOLISHED ARE SHOWN DASHED WITH DIAGONAL HATCH. IN LOCATIONS WHERE RATED WALLS REQUIRE DEMOLITION, DIAGONAL HATCH EXTENDS BEYOND WALL CAVITY ON BOTH SIDES FOR ILLUSTRATIVE PURPOSES ONLY TO HELP IDENTIFY THE LOCATION WHERE DEMOLITION IS NEEDED.
8. ADDITIONAL DEMOLITION WORK ASSOCIATED WITH MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS IS REQUIRED. REFER TO FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION. CONTRACTOR TO COORDINATE WITH OTHER TRADES.
9. EXTENT OF DEMOLITION IS TO BE LIMITED TO THE EXTENT REQUIRED FOR NEW WORK. PROTECT ALL ITEMS AND EXISTING SURFACES TO REMAIN FROM DAMAGE AS REQUIRED. ANY EXISTING TO REMAIN SCOPE THAT IS DAMAGED AS PART OF THE WORK SHALL BE PATCHED, REPAIRED, PRIMED, PAINTED, ETC. TO MATCH EXISTING ADJACENT SURFACES. SUCH WORK SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT AND OWNER UNLESS UNEQUIVOCAL PHOTOGRAPHIC OR VIDEO DOCUMENTATION IS PROVIDED PROVING THAT THE ITEMS IN QUESTION WERE NOT DAMAGED AS A FUNCTION OF WORK ASSOCIATED WITH THIS SCOPE OF WORK.
10. SHOULD ANY ENTITY OTHER THAN THOSE UNDER CONTRACT FOR THIS SCOPE OF WORK DAMAGE ANY ITEMS WITHIN THE LIMITS OF DISTURBANCE FOR THIS PROJECT, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT IMMEDIATELY.
11. ITEMS NOT BEING SALVAGED SHALL BE TRANSPORTED AND DISPOSED OF IN A LEGAL MANNER IN ACCORDANCE WITH ALL APPLICABLE CODES. RETAIN ALL DISPOSAL RECORDS.
12. CLEAN AND PREPARE ALL EXISTING SURFACES/SUBSTRATES TO REMAIN AS REQUIRED FOR PROPER INSTALLATION OF NEW FINISHES AS SPECIFIED AND PER MANUFACTURER'S RECOMMENDATIONS AND CONTRACT DOCUMENTS. FILL HOLES, REMOVE MISCELLANEOUS ITEMS, AND PATCH AS REQUIRED TO MATCH EXISTING ADJACENT WALL FINISH. PREP FOR PRIME AND PAINT AS NEEDED FOR CLEAN, UNBLEMISHED SURFACE.
13. G.C. SHALL NOTIFY THE OWNER AND ARCHITECT OF ANY UNANTICIPATED HIDDEN CONDITIONS ENCOUNTERED DURING THE DEMOLITION FOR ADDITIONAL DIRECTION.
14. EXISTING FLOORS RECEIVING NEW FINISHES SHALL BE CLEANED AND PREPPED AS REQUIRED PER MANUFACTURER RECOMMENDATIONS AND REQUIREMENTS FOR THE APPLICATION SHOWN, INCLUDING BUT NOT LIMITED TO CHEMICAL REMOVAL OF ADHESIVES AND/OR FLOOR LEVELING. IRREGULAR SURFACES WILL NOT BE ACCEPTED. PROVIDE FLOOR LEVELING COMPOUND IN ALL AREAS OF DEMOLITION AND RENOVATION WORK AS REQUIRED FOR PROPER INSTALLATION OF NEW FINISHES PER MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
15. MATCH EXISTING IMPLIES MATERIAL, TYPE, QUALITY, COLOR, PATTERN, TEXTURE, ETC.
16. UNTAGGED DOORS INDICATE NO WORK.

DIVISION 3 – CONCRETE (NOT APPLICABLE)

DIVISION 4 – MASONRY (NOT APPLICABLE)

DIVISION 5 – METALS (NOT APPLICABLE)

DIVISION 6 – WOOD & COMPOSITES

1. MISCELLANEOUS WOOD MATERIALS FOR FURRING, BLOCKING, SHIMS, OR HANGARS AS REQUIRED. PROVIDE SOFTWOOD OR HARDWOOD LUMBER. KILN-DRIED TO MAXIMUM OF 15% MOISTURE. OFFER OWNER AND ARCHITECT AN IN-WALL WALK-THROUGH TO REVIEW PLACEMENT OF ALL BLOCKING AND WHAT EACH SECTION OF BLOCKING IS INTENDED TO SUPPORT.
2. ALL WOOD BLOCKING, CLEATS, GROUNDS, SHEATHING AND OTHER MISC. CARPENTRY ITEMS SHALL BE FIRE RETARDANT TREATED.
3. NEW WOOD ROOF FRAMING AS OUTLINED IN STRUCTURAL DRAWINGS. MEMBERS SHALL MEET PERFORMANCE/SPECIFICATION CRITERIA AS OUTLINED ON STRUCTURAL DRAWINGS, OR AS NOTED HEREIN, WHICHEVER IS MORE ROBUST.
4. PROVIDE SOFTWOOD OR HARDWOOD LUMBER, KILN-DRIED TO MAXIMUM OF 15% MOISTURE.
5. PROVIDE AND INSTALL NEW HURRICANE TIES AT EXISTING TRUSS CONNECTIONS AS OUTLINED IN STRUCTURAL DRAWINGS.
6. SHEATHING
7. PLYWOOD ROOF SHEATHING TO MATCH EXISTING ADJACENT THICKNESS.
 1. EXPOSURE 1 CLASSIFICATION
 2. SPECIES – SOUTHERN YELLOW PINE OR SIMILAR
 3. OSB NOT PERMITTED
8. MISC. PLYWOOD SHEATHING:
 1. 5/8" PLYWOOD, EXPOSURE 1 CLASSIFICATION
 2. SPECIES – SOUTHERN YELLOW PINE OR SIMILAR
 3. OSB NOT PERMITTED

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

1. ASPHALT SHINGLES
2. SHINGLES
 1. BASIS-OF-DESIGN: TIMBERLINE HDZ. BY GAF; COLOR TO BE SELECTED FROM MANUF. FULL RANGE
 2. WIND RATING: 150MPH
 3. WARRANTY: GOLD PLEDGE WARRANTY & WINDPROVEN LIMITED WIND WARRANTY BY GAF; FOR MINIMUM OF 40 YEARS
3. SHINGLE ACCESSORIES
 1. STARTER STRIP: PRO-START STARTER STRIP SHINGLES BY GAF
 2. ROOF FELT: FELTBUSTER SYNTHETIC ROOF FELT BY GAF
 1. PROVIDE 2 LAYERS AS REQ'D FOR LOW-SLOPE ROOF ASSEMBLIES PER MANUF. REQ'S.
 3. RIDGE CAP: TIMBERTEX BY GAF
 4. ATTIC VENTILATION: CORBA RIDGEVENT 3 BY GAF
 1. MIN. FREE AREA FOR BUILDING IS 3,567 SQUARE INCHES.
4. MISC. ROOFING ACCESSORIES
 1. DRIP EDGE – PREFINISHED ALUMINUM
 2. FLASHING – STAINLESS STEEL
 3. TERMINATION BAR – STAINLESS STEEL
 4. VENT THROUGH ROOF: LEAD OR COPPER ROOF BOOT THAT TURNS DOWN INTO TOP OF VENT. PROVIDE ADDITIONAL MANUFACTURER STANDARD PENETRATION FLASHING/ RUBBER BOOT
 5. BAFFLE RAFTER VENTS – INSTALLED IN EACH VOID BETWEEN RAFTERS AT THE EAVE AND THE LOCATION WHERE ORIGINAL MONITOR AND GABLE ROOF COME TO A PINCH POINT. REFER TO DRAWINGS.
5. ALTERNATE MANUFACTURERS: CERTAINTED, OWENS CORNING
 1. MUST BE ABLE TO PROVIDE WARRANTY EQUAL TO BASIS-OF-DESIGN
 2. ALL ROOFING SYSTEM ITEMS MUST BE SINGLE SOURCED

6. EAVE AND RAKE FASCIA – PREFINISHED ALUMINUM, COLOR SELECTED FROM MANUF. FULL RANGE.
7. SOFFIT PANELS – PREFINISHED ALUM SOFFIT PANELS, V-GROOVE PERFORATED. COLOR SELECTED FROM MANUF. FULL RANGE.
 1. MIN. FREE AREA FOR BUILDING IS 3,567 SQUARE INCHES.
8. PROVIDE NEW SEALANT AS REQUIRED AT ALL NEW EXTERIOR DOORS, WINDOWS, PENETRATIONS, JOINTS, ETC. TO ENSURE WEATHER TIGHT CONSTRUCTION. INSTALLED PRODUCT SHALL BE WARRANTED TO BE FREE OF DEFECTS IN MATERIAL, LABOR, WORKMANSHIP, AND INSTALLATION FOR A PERIOD OF 20 YEARS.

DIVISION 8 – OPENINGS

1. SEE OPENING SCHEDULE FOR ALL WINDOW SIZES. CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS. INTENT IS NEW FRAMING SYSTEM TO MATCH MULLION PATTERN OF EXISTING WINDOWS.
2. EXTERIOR STOREFRONT ENTRANCES TO BE THERMALLY BROKEN EXTRUDED ALUMINUM FRAMING SYSTEM WITH 1" INSULATED LOW-E GLAZING.
3. BASIS-OF-DESIGN YES 45 TU FRONT-SET THERMALLY BROKEN FRAMING AS MANUFACTURED BY YKK AP AMERICA, INC.
4. FRAME PROFILE: 2" FACE AND 4.5" DEPTH
5. COLOR: BLACK ANODIZED FINISH TO MATCH EXISTING FRAMING ADJACENT.
6. FRAMING SYSTEM TO BE COMPLIANT WITH AIR AND WATER INFILTRATION RATES AS REQUIRED BY APPLICABLE ASTM STANDARDS.
7. FRAMING SYSTEM SHALL BE DESIGNED TO WITHSTAND ALL APPLICABLE WIND LOADS AND SHALL COMPLY WITH MAXIMUM ALLOWABLE DEFLECTIONS OR ASTM REQUIREMENTS.
8. CONTRACTOR SHALL PROVIDE SUBMITTALS INCLUDING PRODUCT DATA, COLOR SAMPLES, AND SHOP DRAWINGS TO THE DESIGNER FOR REVIEW AND FINAL SELECTION OF COLOR.
9. SUBMIT PRODUCT DATA, MATERIAL SAMPLES, AND SHOP DRAWINGS TO OWNER/ARCHITECT FOR REVIEW AND APPROVAL.
10. EXTERIOR GLAZING SHALL BE 1" INSULATED UNITS CONSISTING OF THE FOLLOWING CONSTRUCTION:
 - A. EXTERIOR LITE SHALL BE 1/2" ULTRA-CLEAR TEMPERED GLASS.
 - B. LOW-E COATING ON SURFACE #2
 - C. 1/2" AIR SPACE
 - D. INTERIOR LITE SHALL BE 1/2" ULTRA-CLEAR TEMPERED GLASS
 - E. SUBMIT PRODUCT DATA, MATERIAL SAMPLES, AND SHOP DRAWINGS TO OWNER/ARCHITECT FOR REVIEW AND APPROVAL.
 - F. TEMPERED GLAZING MUST BE PROVIDED IN ALL LOCATIONS AS REQUIRED BY CODE.

DIVISION 9 – FINISHES (NOT APPLICABLE)

DIVISION 10 – SPECIALTIES (NOT APPLICABLE)

DIVISION 11 – EQUIPMENT

1. EXISTING EQUIPMENT TO REMAIN IN WORK AREA SHALL BE PROTECTED IN PLACE AND MOVED AS NEEDED TO COMPLETE SCOPE AS IDENTIFIED WITHIN THE CONTRACT DOCUMENTS. SITE VISIT BY CONTRACTORS AT PRE-BID MEETING REQUIRED TO REVIEW THE EQUIPMENT THAT WILL REMAIN IN THE BUILDING FOR CONSTRUCTION DURATION.

DIVISION 12 – FURNISHINGS (NOT APPLICABLE)

DIVISION 13 – SPECIAL CONSTRUCTION (NOT APPLICABLE)

DIVISION 14 – CONVEYING EQUIPMENT (NOT APPLICABLE)

DIVISIONS 21, 22, 23, AND 26 – FIRE PROTECTION, PLUMBING, MECHANICAL, & ELECTRICAL

1. SYSTEMS/ASSEMBLIES INDICATED ON PLANS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR TO PROVIDE ALL NECESSARY HANGARS, FASTENERS, ETC TO PROVIDE A COMPLETE & WORKING ASSEMBLY.
2. REMOVE ANY AND ALL DAMAGED ELECTRICAL AND FIRE ALARM WIRING, DEVICES, AND FIXTURES, INCLUDING ANY OF THE PRECEDING MENTIONED ITEMS EXPOSED TO WATER, UNLESS NOTED OTHERWISE.
3. ALL WIRING THAT IS TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY BACK TO THE ELECTRICAL PANEL.
4. ITEMS THAT ARE IN GOOD WORKING CONDITION AND ARE UNAFFECTED BY WATER CAN REMAIN IN PLACE.
5. ALL ITEMS REMOVED SHALL BE PROPERLY CAPPED AND TERMINATED AS PART OF THIS SCOPE OF WORK.
6. ALL LIGHTS THAT CAN BE REINSTALLED IN WORKING ORDER SHALL BE TURNED OVER TO THE OWNER FOR FUTURE RE-INSTALLATION.
7. REMOVE ALL HVAC DIFFUSERS, GRILLS, AND DUCTWORK THROUGHOUT THE BUILDING.
8. REMOVE ALL HVAC AIR HANDLERS, CONDENSERS, HEAT PUMPS, ETC THROUGHOUT THE BUILDING.
9. NO WORK ON THE PLUMBING SYSTEM IS INCLUDED IN THIS SCOPE OF WORK.
10. NO FIRE PROTECTION SYSTEM IS EXISTING IN THE BUILDING; NO SCOPE IS ASSOCIATED WITH FIRE PROTECTION IN THIS SCOPE OF WORK.

DIVISION 31, 32, & 33 – EARTHWORK, EXTERIOR IMPROVEMENTS, & UTILITIES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH LOCAL UTILITY PROVIDERS FOR ALL SITE WORK. CONTRACTOR RESPONSIBLE TO LOCATE ALL EXISTING UTILITIES AND INFRASTRUCTURE PRIOR TO START OF WORK. CONTRACTOR TO WORK AROUND ANY AND ALL EXISTING UTILITIES TO LEAVE ITEMS OUTSIDE OF SCOPE UNDISTURBED. SHOULD THE CONTRACTOR UNCOVER ANY UNKNOWN UNDERGROUND ITEMS, STOP WORK IMMEDIATELY AND INFORM THE OWNER/ARCHITECT FOR REVIEW AND DIRECTION.



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REVISIONS:

#	DESC:	DATE
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DRAWN BY: DJH/JO
PROJECT #: 20014
ISSUE DATE: 07/07/23

PHASE:
100% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER

GENERAL NOTES & SPECIFICATIONS

G3.01



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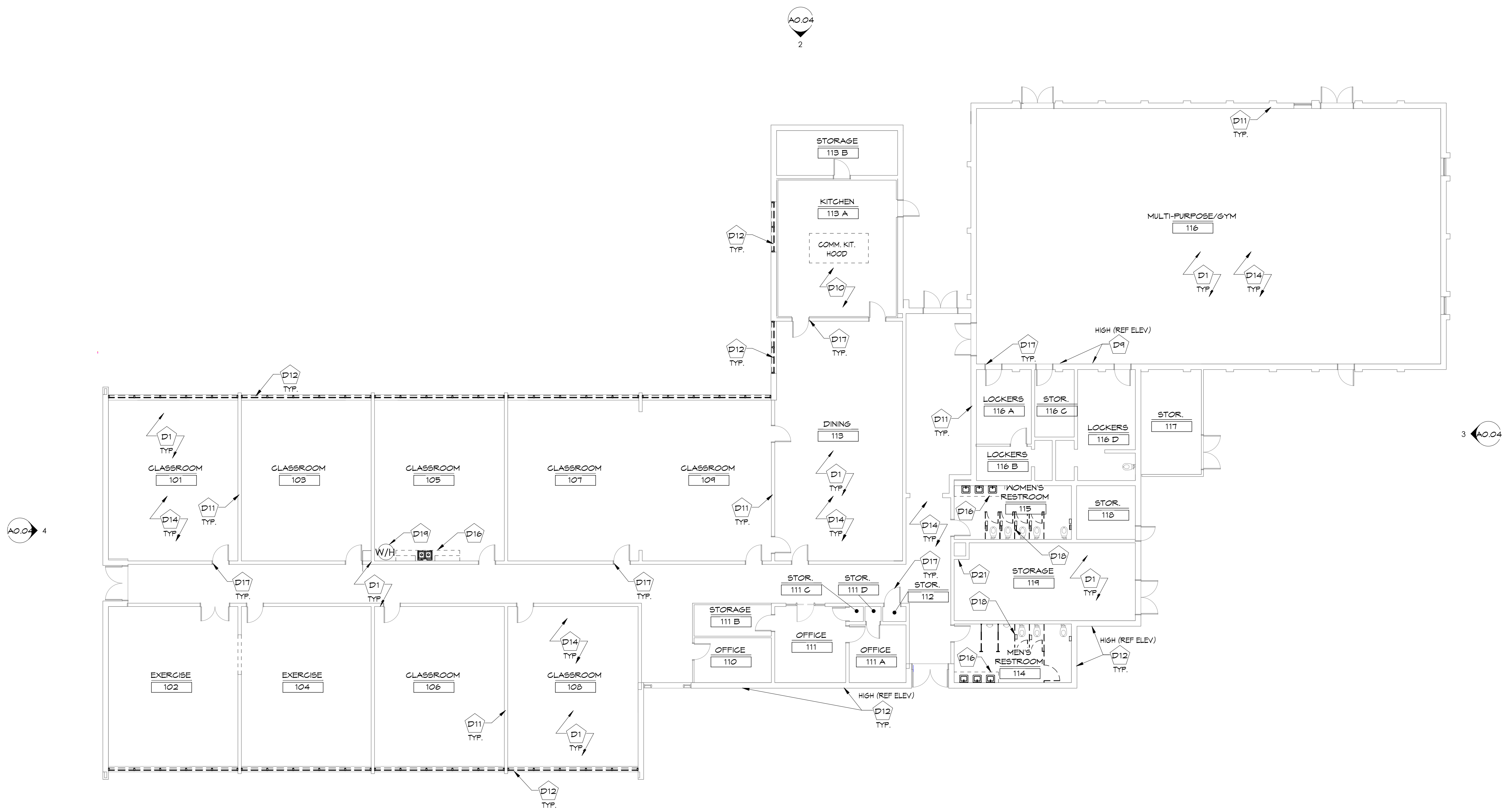
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SHEET NAME & NUMBER
DEMO FLOOR PLAN

A0.01

- DEMO KEY NOTES**
- D1** – REMEDIATE MOLD AND ABATE ALL HAZARDOUS MATERIALS THROUGHOUT THE BUILDING INCLUDING EXISTING INTERIOR AND EXTERIOR WALLS, FLOOR FINISHES, COMMERCIAL KITCHEN EQUIPMENT, CEILING TILES, DUCT WORK, INTERIOR DOORS, DOOR FRAMES ETC.
 - D2** – DEMOLISH AND ABATE ROTTEN, DAMAGED AND COLLAPSED AREAS OF THE GABLED ROOF SYSTEM. PREP FOR INSTALLATION OF NEW ROOF FRAMING IN SOME LOCATIONS AS SHOWN. AND NEW ASPHALT SHINGLE ROOFING SYSTEM THROUGHOUT AS SHOWN IN ROOF PLAN. (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INSTRUCTIONS AND PROVISIONS.)
 - D3** – DEMOLISH AND ABATE ROTTEN, DAMAGED, AND COLLAPSED AREAS OF ORIGINAL FLAT ROOF WOOD DECKING (BELOW GABLED ROOF). (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS.) REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.
 - D4** – DEMOLISH AND ABATE AS REQUIRED ANY EXISTING ROTTEN AND WATER-DAMAGED WOOD SILL PLATES AND ORIGINAL WOOD DECKING UNDER TRUSSES (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS). REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.
 - D5** – DEMOLISH SOFFIT PANELS AND FASCIA CLADDING AROUND PERIMETER OF BUILDING. PREP FOR INSTALLATION OF NEW PRE-FINISHED ALUMINUM VENTED SOFFIT PANELS AND PRE-FINISHED ALUMINUM FASCIA CLADDING.
 - D6** – REMOVE A PORTION OF THE ROOF SHEATHING AS SHOWN ON DEMOLITION ROOF PLANS TO ACCESS THE CONNECTIONS BETWEEN THE GABLE TRUSSES AND THE WALLS BELOW. REMOVE AND REPLACE ANY DAMAGED/ROTTEN WOOD BELOW (SEE DEMO KEY NOTE D4) AND PREP FOR INSTALLATION OF NEW HURRICANE TIES (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS). REFER TO SPECIFICATIONS SHEET FOR UNIT PRICES AND ALLOWANCES.
 - D7** – REMOVE PORTION OF DAMAGED ROOF SHEATHING AS REQUIRED. PREP FOR INSTALLATION OF NEW SHEATHING TO MATCH EXISTING ADJACENT. REFER TO SPECIFICATION SHEET FOR UNIT PRICE AND ALLOWANCES.
 - D8** – DEMOLISH AND ABATE EXISTING CEILING SYSTEM (REFER TO DEMO REFLECTED CEILING PLAN)
 - D9** – REMOVE AND DEMOLISH EXISTING GYMNASIUM LOUVERS AND PREP FOR INSTALLATION OF NEW LOUVERS AS SCHEDULED.
 - D10** – REMOVE, STORE, AND PROTECT THE EXISTING COMMERCIAL KITCHEN HOOD SYSTEM AND OTHER COMMERCIAL KITCHEN EQUIPMENT. NO WORK ON EQUIPMENT IS IN THIS CONTRACT. KITCHEN HOOD SHALL BE STORED WITHIN COMMERCIAL KITCHEN SPACE.
 - D11** – ALL EXISTING MASONRY WALLS TO REMAIN, UNO.
 - D12** – DEMO EXISTING WINDOW ASSEMBLIES, UNO. PREP FOR INSTALLATION OF NEW STOREFRONT AND GLASS SYSTEM.
 - D13** – DEMOLISH EXISTING ASPHALT SHINGLES, ROOF FELTS, ETC. PREP FOR INSTALLATION OF NEW ASPHALT ROOFING SYSTEM AS SPECIFIED.
 - D14** – DEMOLISH AND ABATE THE EXISTING FLOOR FINISHES THROUGHOUT ENTIRE BUILDING. UNO. EXISTING CONCRETE SLAB ON GRADE TO REMAIN. IN MULTIPURPOSE/GYM ROOM 116, DEMO ENTIRE SPRUNG FLOOR SYSTEM DOWN TO CONCRETE BELOW.
 - D15** – EXISTING GYMNASIUM ROOF AND STRUCTURE BELOW TO REMAIN, NO WORK.
 - D16** – REMOVE EXISTING CASEWORK, CAP PLUMBING AT WALL/FLOOR.
 - D17** – EXISTING DOORS/LOUVERS AND FRAMES TO REMAIN THROUGHOUT BUILDING UNO.
 - D18** – REMOVE EXISTING BATHROOM PARTITIONS AND RESTROOM ACCESSORIES
 - D19** – EXISTING WATER HEATER TO REMAIN, NO WORK.
 - D20** – REMOVE ALL EXISTING ROOF VENTILATION WIND-DRIVEN TURBINE EXHAUST
 - D21** – EXIST CHIMNEY TO REMAIN, NO WORK.
 - D22** – REMOVE PORTION OF EXISTING ROOF SEATHING FOR VENTED RIDGE PER MANUF. REQUIREMENTS FOR FREE AREA.
- * NOTES INCLUDED ARE FOR WHOLE SET AND MAY NOT APPEAR ON EVERY SHEET**



DEMO FLOOR PLAN 1
3/32" = 1'-0"



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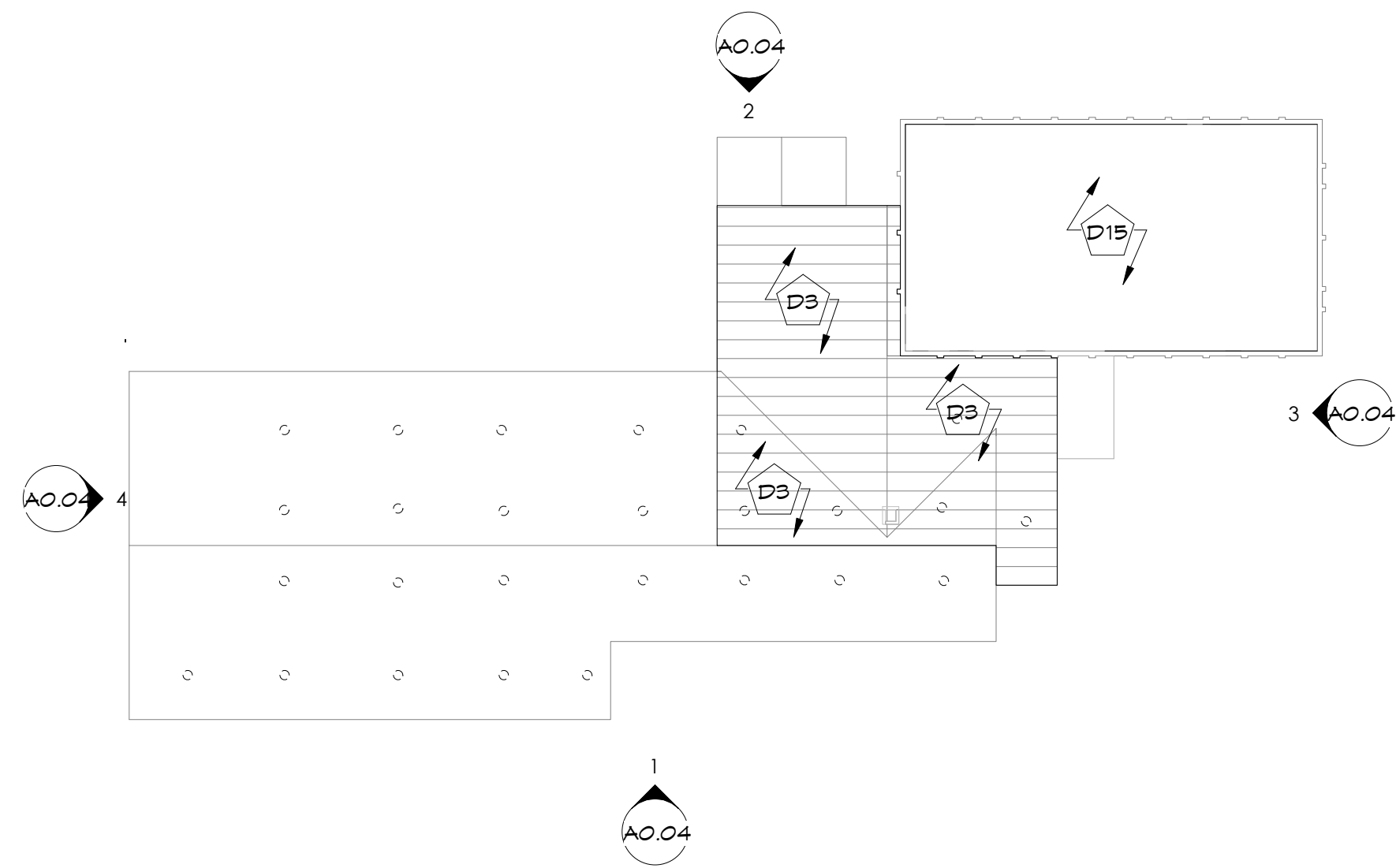
#	DESC.	DATE

DRAWN BY: DJH/JO
PROJECT #: 20014
ISSUE DATE: 07/07/23
PHASE:
100% CONSTRUCTION DOCUMENTS
SHEET NAME & NUMBER
DEMO ROOF PLANS

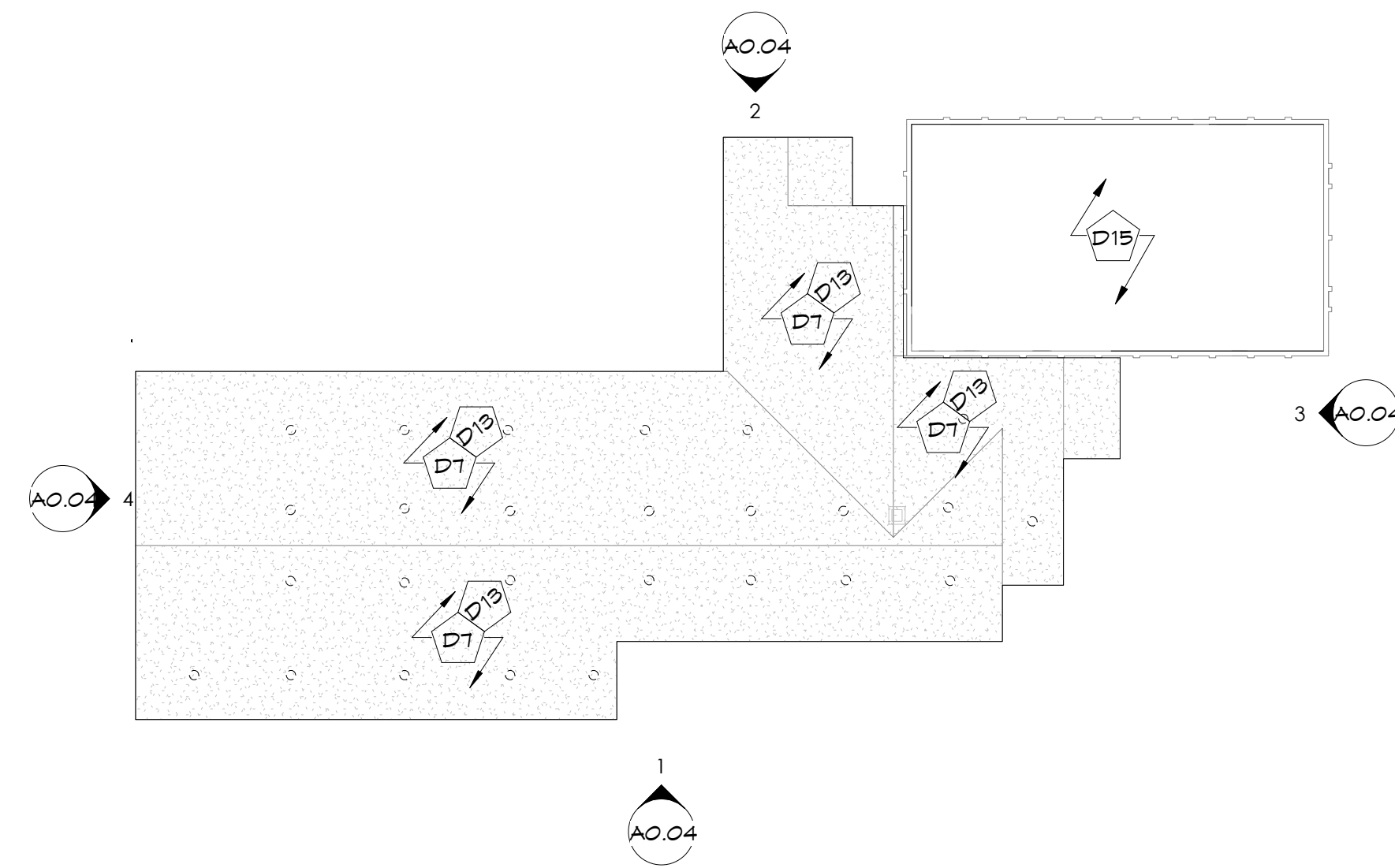
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DEMO KEY NOTES

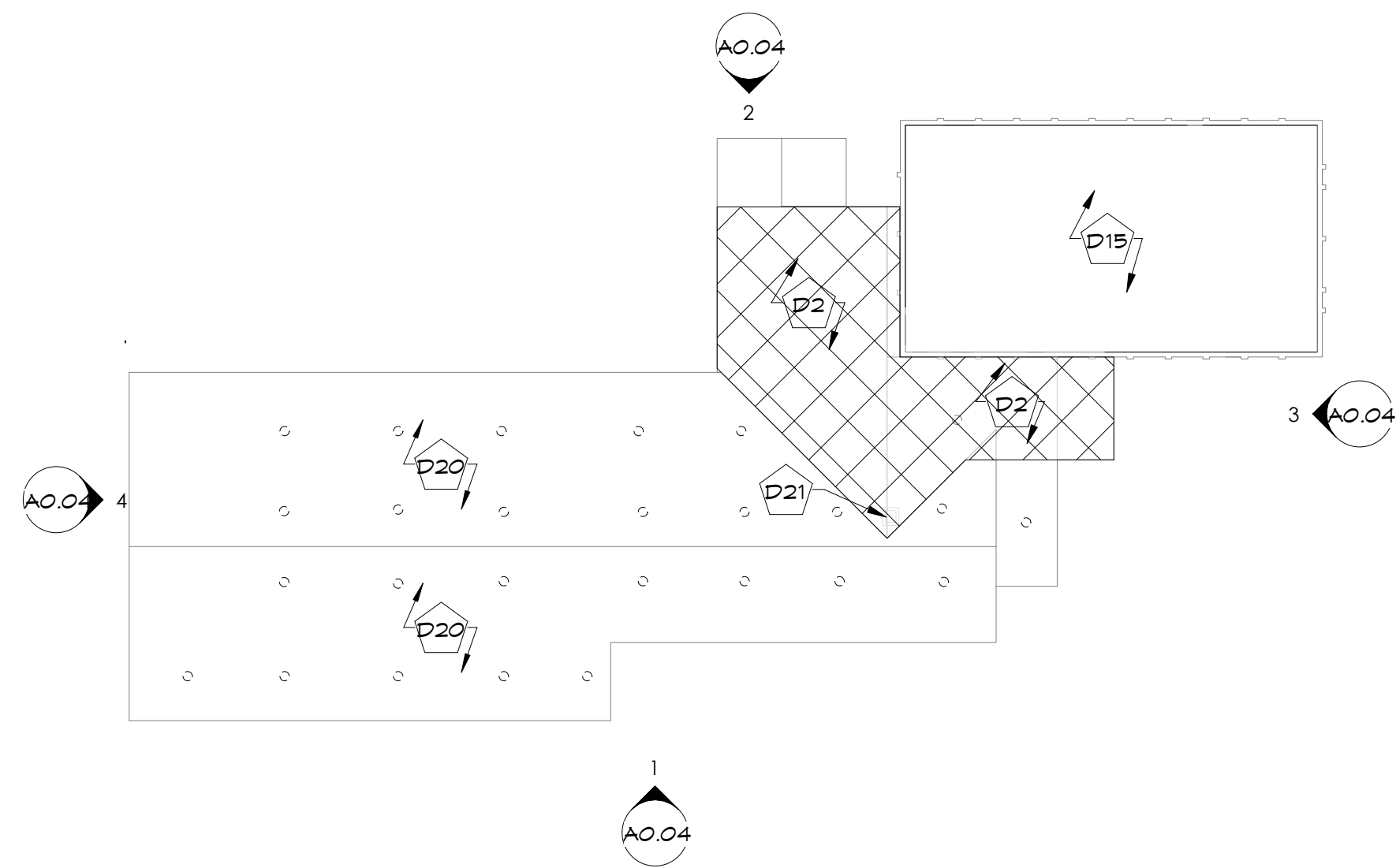
- D1** – REMEDIATE MOLD AND ABATE ALL HAZARDOUS MATERIALS THROUGHOUT THE BUILDING INCLUDING EXISTING INTERIOR AND EXTERIOR WALLS, FLOOR FINISHES, COMMERCIAL KITCHEN EQUIPMENT, CEILING TILES, DUCT WORK, INTERIOR DOORS, DOOR FRAMES ETC.
 - D2** – DEMOLISH AND ABATE ROTTEN, DAMAGED AND COLLAPSED AREAS OF THE GABLED ROOF SYSTEM. PREP FOR INSTALLATION OF NEW ROOF FRAMING IN SOME LOCATIONS AS SHOWN, AND NEW ASPHALT SHINGLE ROOFING SYSTEM THROUGHOUT AS SHOWN IN ROOF PLAN. (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INSTRUCTIONS AND PROVISIONS.)
 - D3** – DEMOLISH AND ABATE ROTTEN, DAMAGED, AND COLLAPSED AREAS OF ORIGINAL FLAT ROOF WOOD DECKING (BELOW GABLED ROOF). (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS.) REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.
 - D4** – DEMOLISH AND ABATE AS REQUIRED ANY EXISTING ROTTEN AND WATER-DAMAGED WOOD SILL PLATES AND ORIGINAL WOOD DECKING UNDER TRUSSES (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS). REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.
 - D5** – DEMOLISH SOFFIT PANELS AND FASCIA CLADDING AROUND PERIMETER OF BUILDING. PREP FOR INSTALLATION OF NEW PRE-FINISHED ALUMINUM VENTED SOFFIT PANELS AND PRE-FINISHED ALUMINUM FASCIA CLADDING.
 - D6** – REMOVE A PORTION OF THE ROOF SHEATHING AS SHOWN ON DEMOLITION ROOF PLANS TO ACCESS THE CONNECTIONS BETWEEN THE GABLE TRUSSES AND THE WALLS BELOW. REMOVE AND REPLACE ANY DAMAGED/ROTTEN WOOD BELOW (SEE DEMO KEY NOTE D4) AND PREP FOR INSTALLATION OF NEW HURRICANE TIES (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS). REFER TO SPECIFICATIONS SHEET FOR UNIT PRICES AND ALLOWANCES.
 - D7** – REMOVE PORTION OF DAMAGED ROOF SHEATHING AS REQUIRED. PREP FOR INSTALLATION OF NEW SHEATHING TO MATCH EXISTING ADJACENT. REFER TO SPECIFICATION SHEET FOR UNIT PRICE AND ALLOWANCES.
 - D8** – DEMOLISH AND ABATE EXISTING CEILING SYSTEM (REFER TO DEMO REFLECTED CEILING PLAN)
 - D9** – REMOVE AND DEMOLISH EXISTING GYMNASIUM LOUVERS AND PREP FOR INSTALLATION OF NEW LOUVERS AS SCHEDULED.
 - D10** – REMOVE, STORE, AND PROTECT THE EXISTING COMMERCIAL KITCHEN HOOD SYSTEM AND OTHER COMMERCIAL KITCHEN EQUIPMENT. NO WORK ON EQUIPMENT IS IN THIS CONTRACT. KITCHEN HOOD SHALL BE STORED WITHIN COMMERCIAL KITCHEN SPACE.
 - D11** – ALL EXISTING MASONRY WALLS TO REMAIN, UNO.
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 - D14** – DEMOLISH AND ABATE THE EXISTING FLOOR FINISHES THROUGHOUT ENTIRE BUILDING, UNO. EXISTING CONCRETE SLAB ON GRADE TO REMAIN. IN MULTIPURPOSE/GYM ROOM 116, DEMO ENTIRE SPRUNG FLOOR SYSTEM DOWN TO CONCRETE BELOW.
 - D15** – EXISTING GYMNASIUM ROOF AND STRUCTURE BELOW TO REMAIN. NO WORK.
 - D16** – REMOVE EXISTING CASEWORK. CAP PLUMBING AT WALL/FLOOR.
 - D17** – EXISTING DOORS/LOUVERS AND FRAMES TO REMAIN THROUGHOUT BUILDING UNO.
 - D18** – REMOVE EXISTING BATHROOM PARTITIONS AND RESTROOM ACCESSORIES
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 - D21** – EXIST CHIMNEY TO REMAIN, NO WORK.
 - D22** – REMOVE PORTION OF EXISTING ROOF SEATHING FOR VENTED RIDGE PER MANUF. REQUIREMENTS FOR FREE AREA.
- * NOTES INCLUDED ARE FOR WHOLE SET AND MAY NOT APPEAR ON EVERY SHEET**



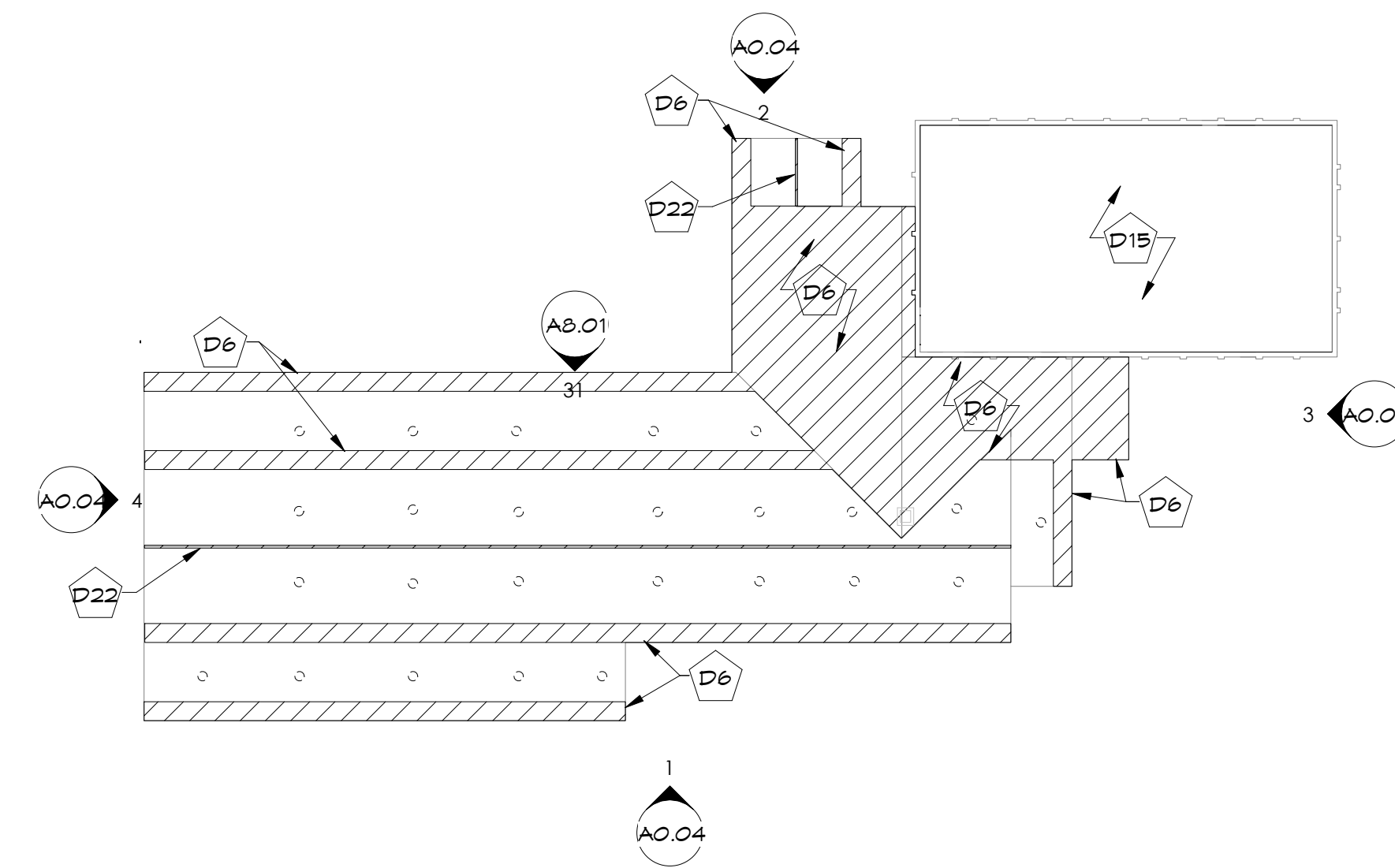
DEMO ROOF PLAN - FLAT (LOW) ROOF FRAMING & DECKING
1/32" = 1'-0" **4**



DEMO ROOF PLAN ASPHALT SHINGLE
1/32" = 1'-0" **2**



DEMO ROOF PLAN - HIGH ROOF FRAMING
1/32" = 1'-0" **3**



DEMO ROOF PLAN - ROOF SHEATHING
1/32" = 1'-0" **1**



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D18 - REMOVE EXISTING BATHROOM PARTITIONS AND RESTROOM ACCESSORIES

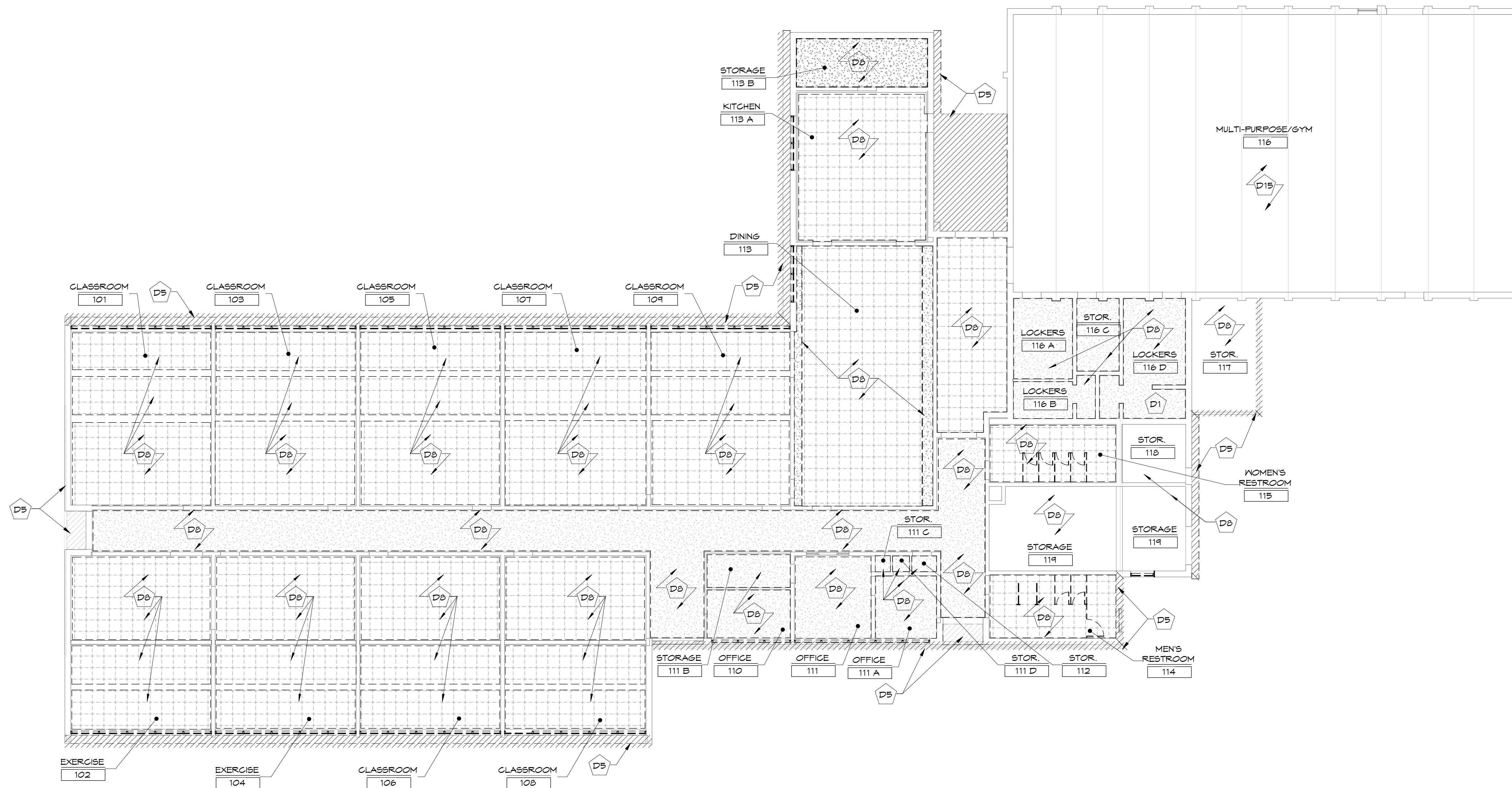
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DEMO REFLECTED CEILING PLAN 1
3/32" = 1'-0"



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A0.03



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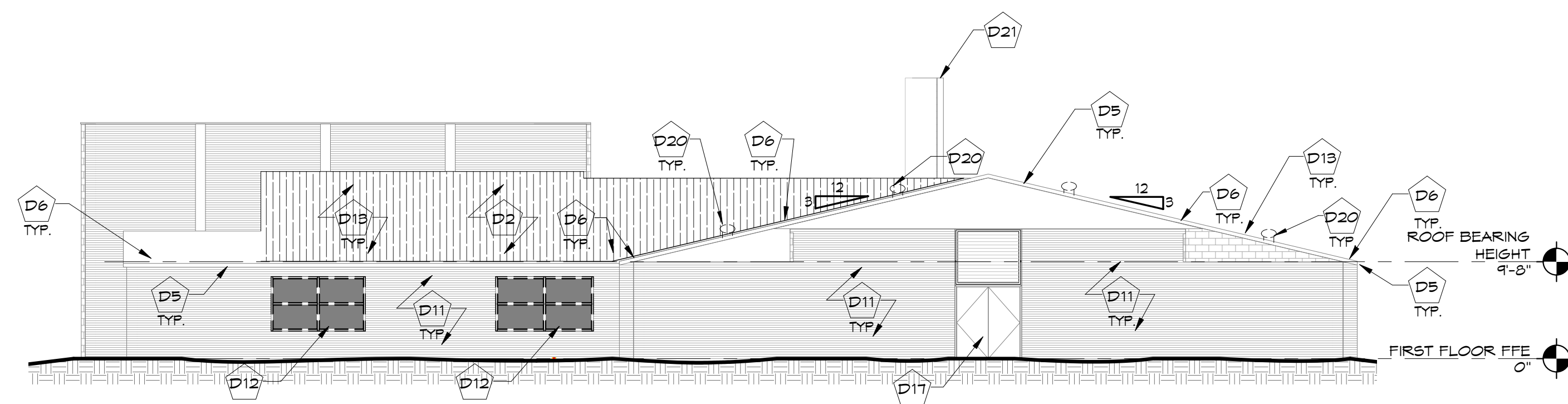
SHEET NAME & NUMBER
DEMO EXTERIOR ELEVATIONS

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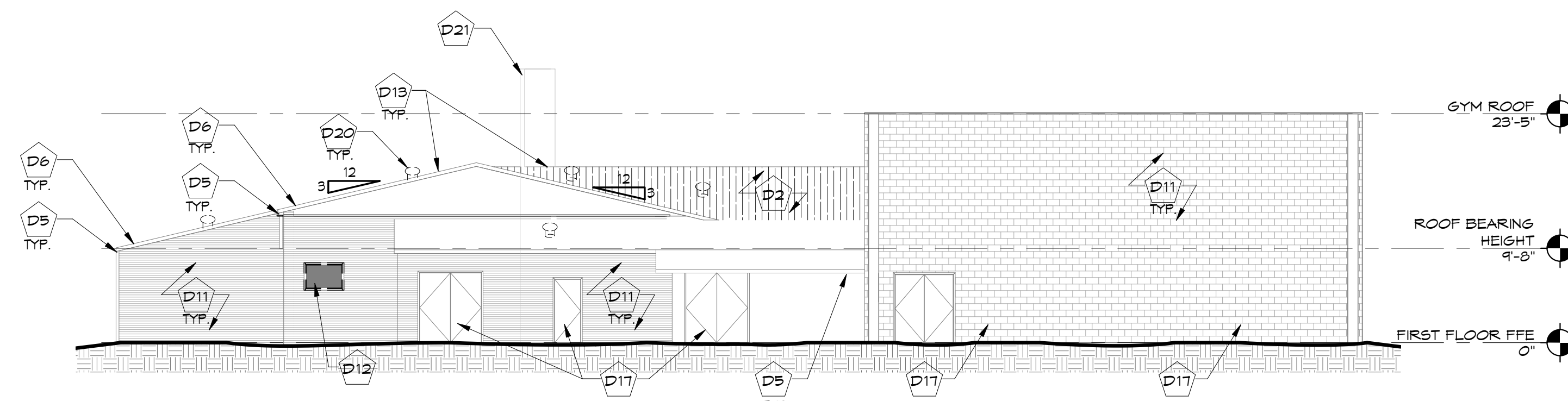
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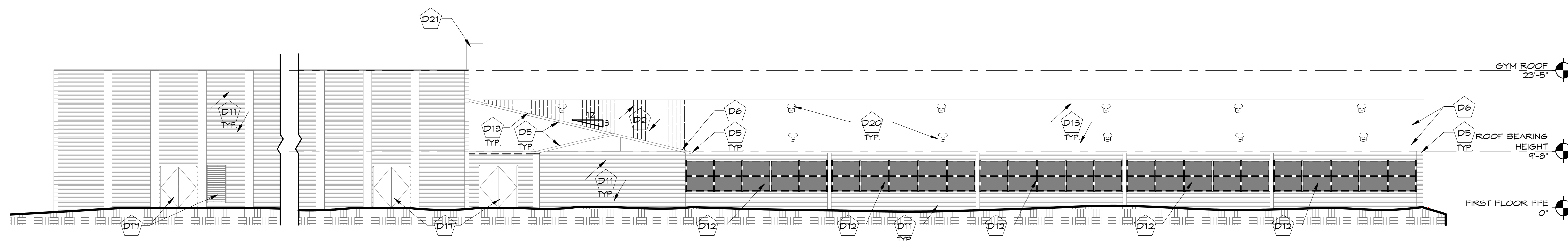
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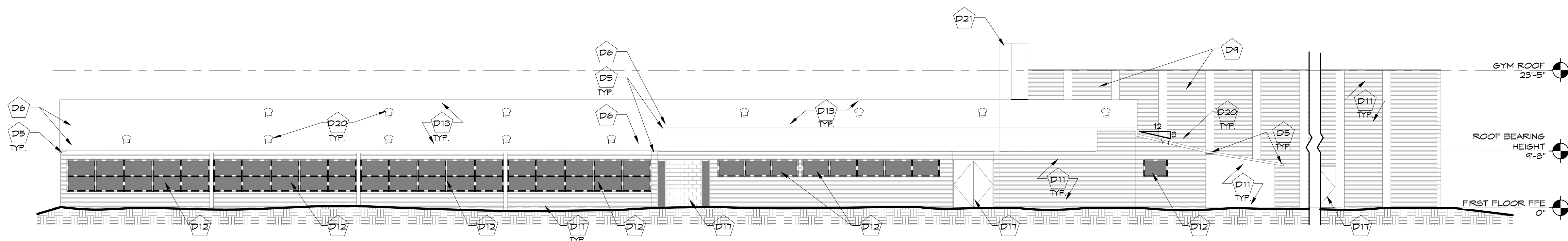
DEMO EXTERIOR ELEVATION 4
3/32" = 1'-0"



DEMO EXTERIOR ELEVATION 3
3/32" = 1'-0"



DEMO EXTERIOR ELEVATION 2
3/32" = 1'-0"



DEMO EXTERIOR ELEVATION 1
3/32" = 1'-0"



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PLAN KEY NOTES

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A2 - PROVIDE AND INSTALL NEW ROOF FRAMING ROOF TO MATCH THE EXISTING ROOF PROFILE. REF. DEMO DRAWINGS FOR EXTENT OF AREA TO BE REPLACED. (SEE STRUCTURAL DRAWINGS)

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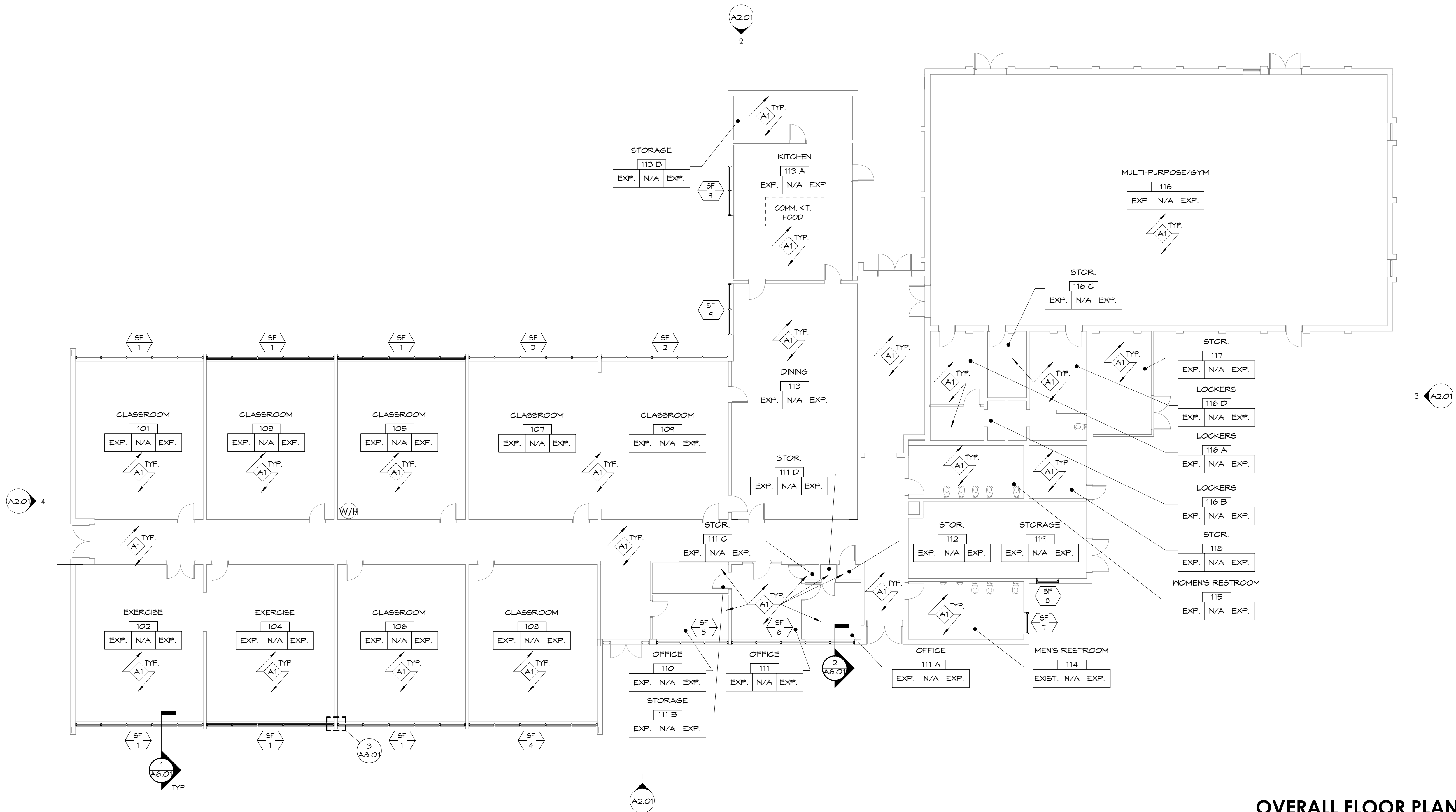
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FINISH TAG LEGEND

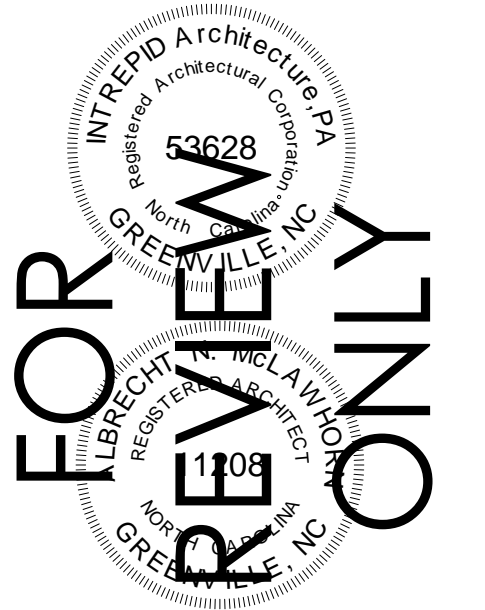
N/A - NO NEW WORK FOR SCOPE IDENTIFIED.

EXP. - EXISTING FINISH WAS BEEN REMOVED IF APPLICABLE, ABATED, MOLD REMEDIATED, AND CLEANED.

EXIST. - EXISTING FINISH TO REMAIN, REMEDIATE MOLD AND CLEAN AS REQ'D.



OVERALL FLOOR PLAN ①
3/32" = 1'-0"



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SHEET NAME & NUMBER
OVERALL FLOOR PLAN

A1.01



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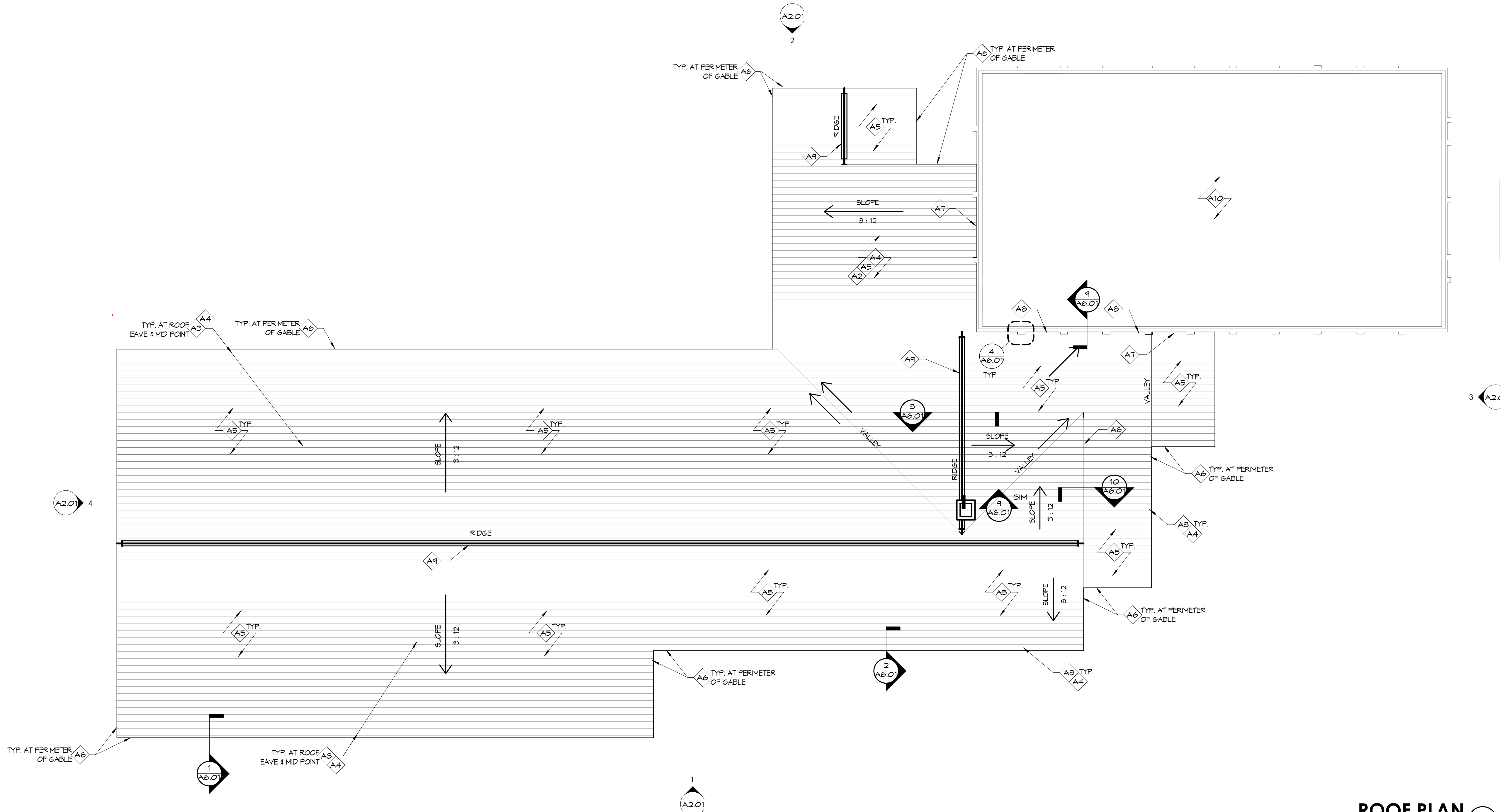
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GENERAL ROOF NOTES

1. REF. 10/A6.01 FOR TYP. VENT THROUGH ROOF DETAIL.
2. REF. 8/A6.01 FOR TYPICAL RIDGE VENT DETAIL



ROOF PLAN 1
3/32" = 1'-0"



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SHEET NAME & NUMBER
ROOF PLAN

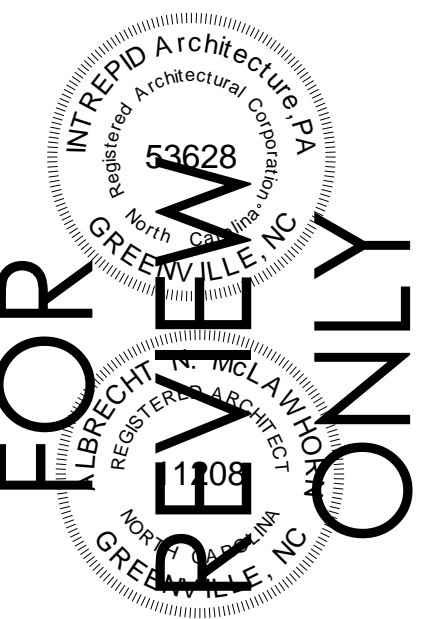
A1.02



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PROJECT #: 20014
ISSUE DATE: 07/07/23

PHASE:
100% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER

PROPOSED EXTERIOR ELEVATIONS

A2.01

PLAN KEY NOTES

A1 – AFTER ALL DEMOLITION AND ABATEMENT IS COMPLETE, CLEAN AND REMEDIATE MOLD THROUGHOUT THE ENTIRE BUILDING. ALL SURFACES AND ITEMS THAT ARE TO REMAIN SHALL BE CLEAN AND MOLD-FREE.

A2 – PROVIDE AND INSTALL NEW ROOF FRAMING ROOF TO MATCH THE EXISTING ROOF PROFILE. REF. DEMO DRAWINGS FOR EXTENT OF AREA TO BE REPLACED. (SEE STRUCTURAL DRAWINGS)

A3 – PROVIDE AND INSTALL NEW HURRICANE TIES AT ALL LOCATIONS WHERE EXISTING TRUSSES/ROOF FRAMING BEAR ON EXISTING WALLS (SEE STRUCTURAL DRAWINGS)

A4 – PROVIDE AND INSTALL NEW ROOF SHEATHING TO MATCH EXISTING ADJACENT. REFER TO SPECIFICATIONS SHEET FOR UNIT PRICES AND ALLOWANCES. REF. DEMO DRAWINGS FOR EXTENT OF AREA TO BE REPLACED.

A5 – WHEN ROOF IS STRUCTURALLY SOUND AND CLEAN, PROVIDE AND INSTALL TWO OFF-SET LAYERS OF ROOFING FELTS (SEE MANUFACTURER REQUIREMENTS FOR LOW-PITCHED ASPHALT SHINGLE ROOFING), AND ASPHALT SHINGLE ROOFING SYSTEM, ROOF FELT PATTERN AND FASTENING PATTERN OF SHINGLES TO MEET MANUF. REQ'S FOR REQUIRED ROOF WARRANTY. SEE SPECIFICATIONS SHEET FOR ADDITIONAL REQ'S.

A6 – PROVIDE AND INSTALL NEW PRE-FINISHED ALUMINUM DRIP EDGE, FASCIA CLADDING, AND VENTED SOFFIT PANELS AROUND PERIMETER OF BUILDING WITH GABLE ROOF.

A7 – PROVIDE AND INSTALL PRE-FINISHED ALUMINUM CONTINUOUS FLASHING WITH CONTINUOUS TERMINATION BAR IN ACCORDANCE WITH APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS. REF. DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS

A8 – PROVIDE AND INSTALL NEW HURRICANE-RATED LOUVERS AND SILL PANS WITH END DAMS (REFER TO OPENING SCHEDULE FOR SIZE, DETAIL, AND CONSTRUCTION).

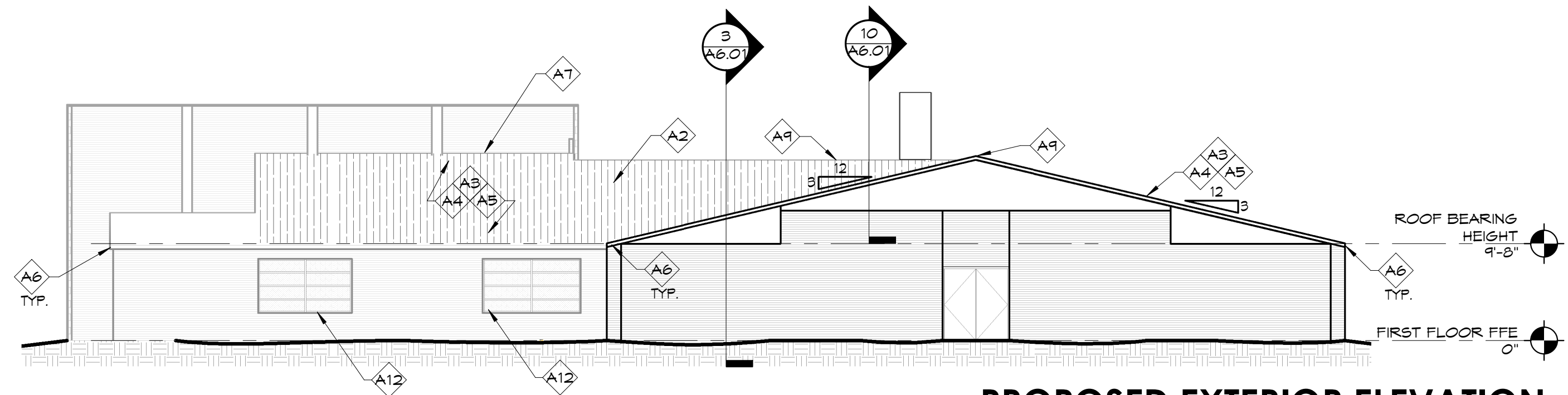
A9 – PROVIDE AND INSTALL CONTINUOUS RIDGE VENT

A10 – EXISTING FLAT MEMBRANE ROOF SYSTEM TO REMAIN, NO WORK.

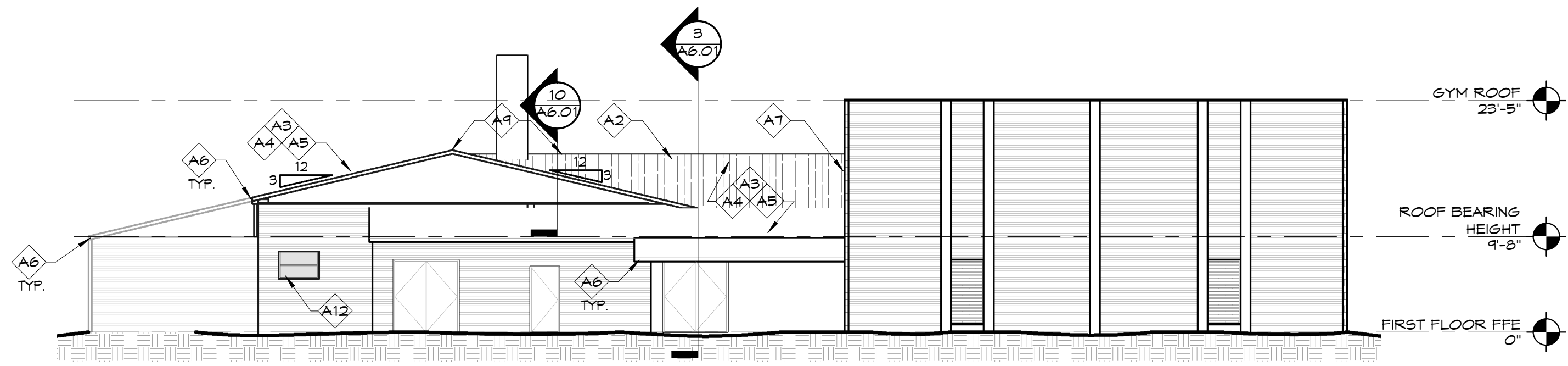
A11 – PROVIDE AND INSTALL NEW STOREFRONT UNO.

A12 – PROVIDE AND INSTALL NEW ALUM. STOREFRONT FRAMING & GLASS SYSTEM AS SCHEDULED.

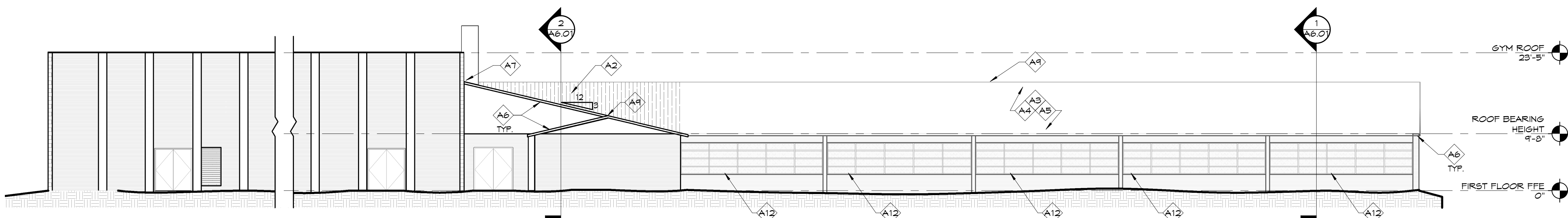
*** NOTES INCLUDED ARE FOR WHOLE SET AND MAY NOT APPEAR ON EVERY SHEET**



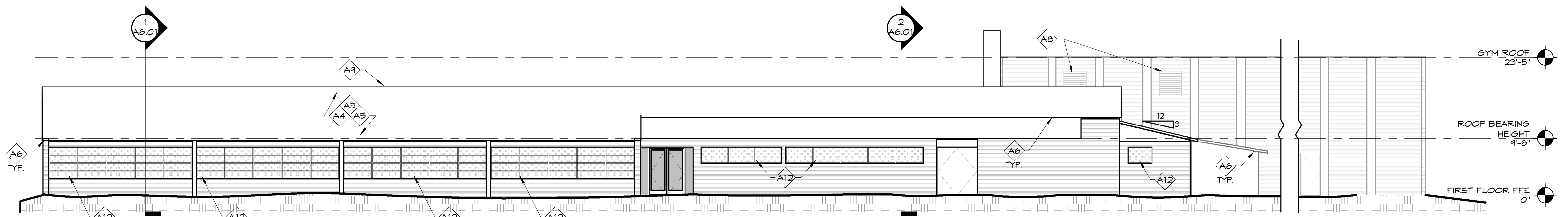
PROPOSED EXTERIOR ELEVATION 4
3/32" = 1'-0"



PROPOSED EXTERIOR ELEVATION 3
3/32" = 1'-0"



PROPOSED EXTERIOR ELEVATION 2
3/32" = 1'-0"



PROPOSED EXTERIOR ELEVATION 1
3/32" = 1'-0"



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PLAN KEY NOTES

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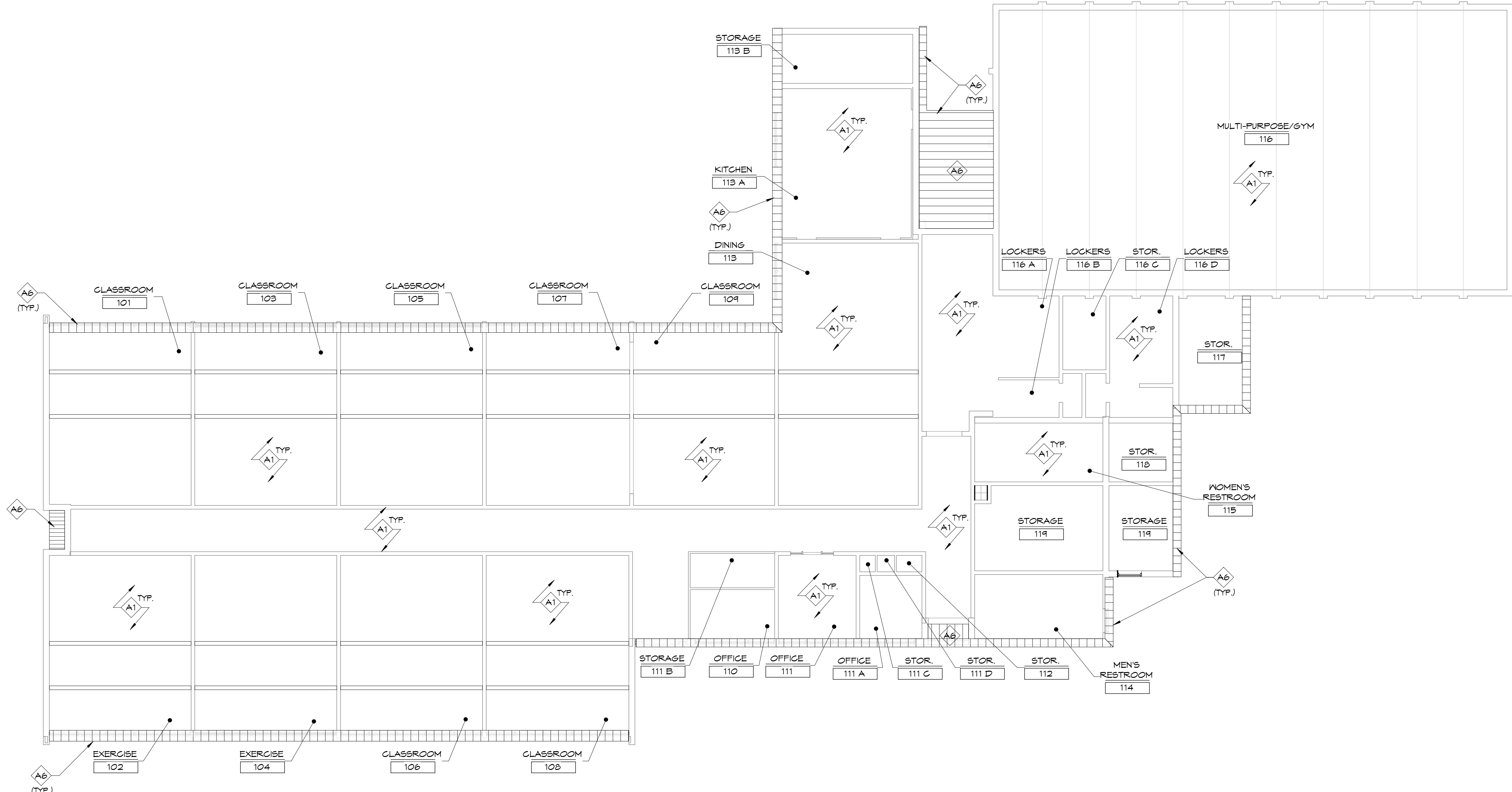
A9 – PROVIDE AND INSTALL CONTINUOUS RIDGE VENT

A10 – EXISTING FLAT MEMBRANE ROOF SYSTEM TO REMAIN, NO WORK.

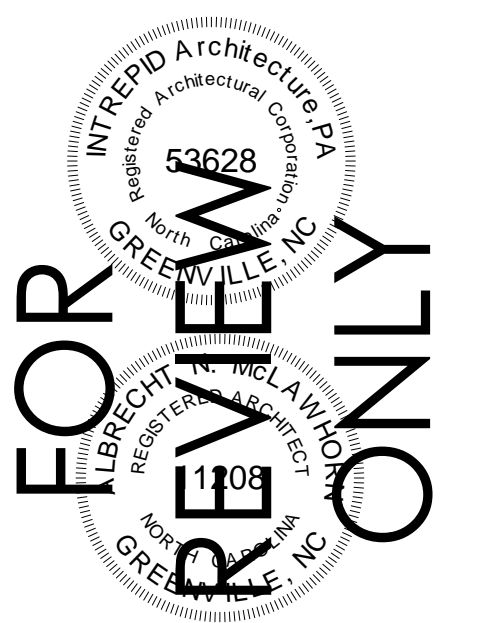
A11 – PROVIDE AND INSTALL NEW STOREFRONT UNO.

A12 – PROVIDE AND INSTALL NEW ALUM. STOREFRONT FRAMING & GLASS SYSTEM AS SCHEDULED.

*** NOTES INCLUDED ARE FOR WHOLE SET AND MAY NOT APPEAR ON EVERY SHEET**



PROPOSED REFLECTED CEILING PLAN ①
3/32" = 1'-0"



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PHASE:
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SHEET NAME & NUMBER
PROPOSED RCP

A5.01



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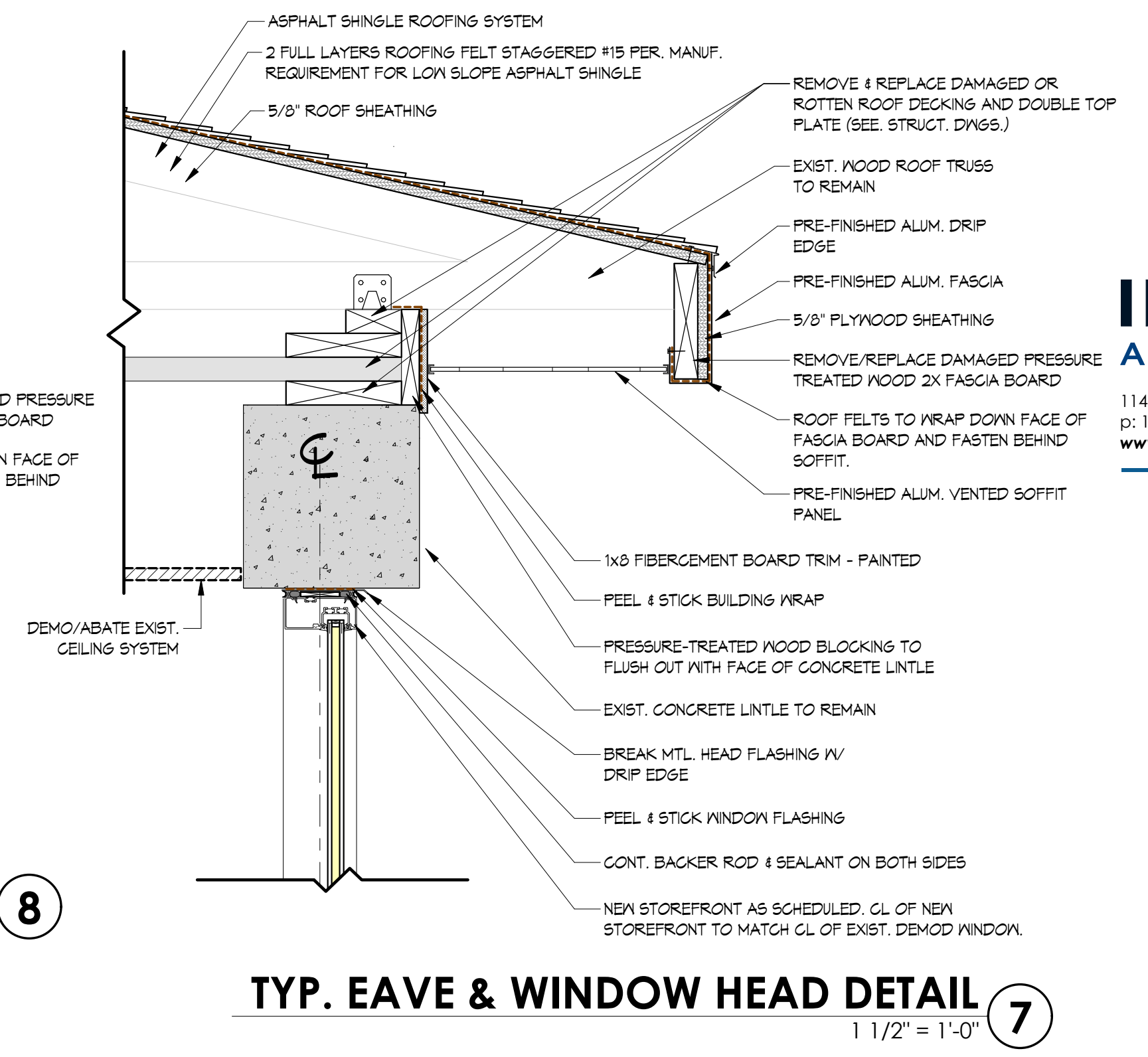
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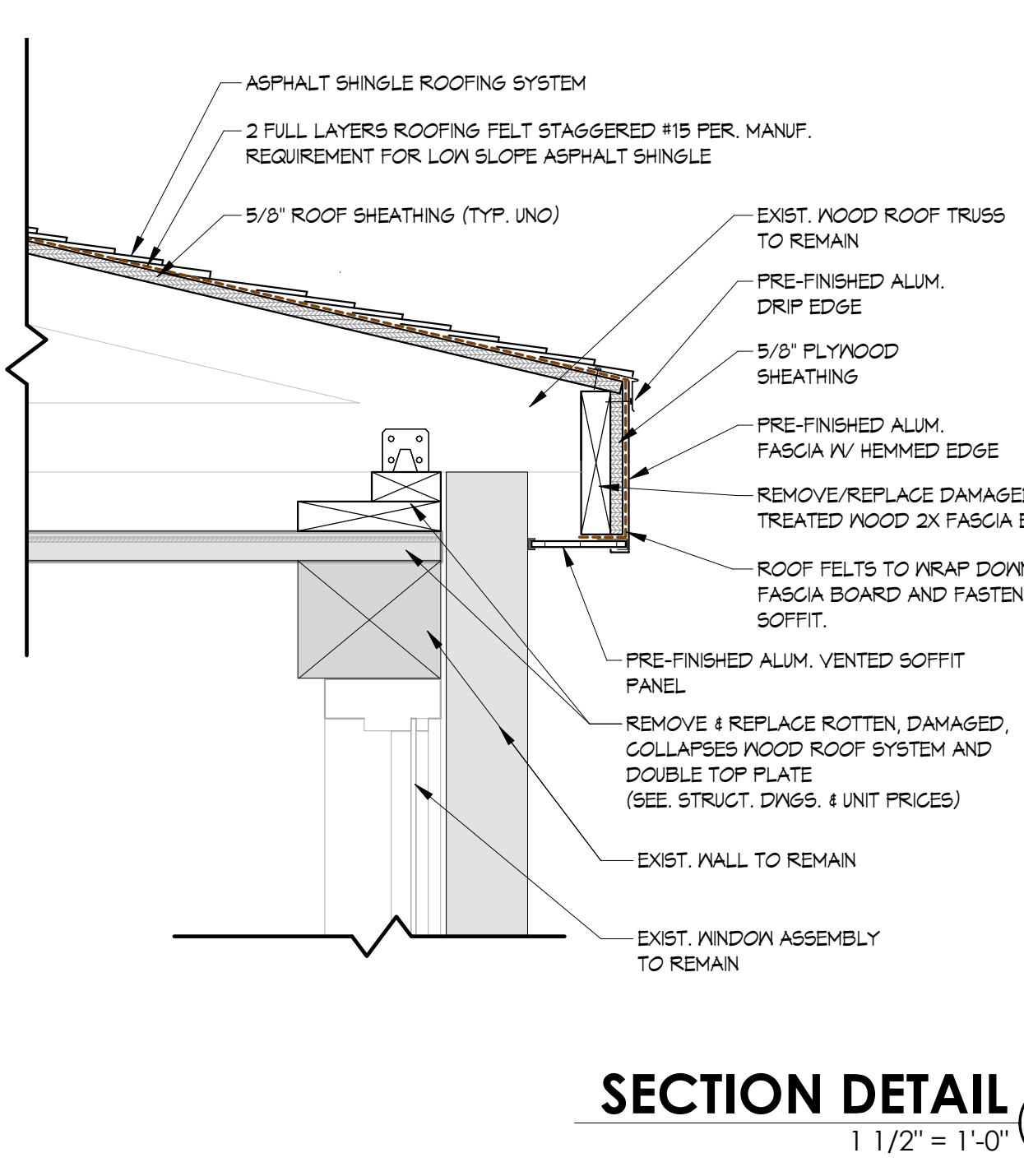
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PROJECT #: 20014
ISSUE DATE: 07/11/23
PHASE:
100% CONSTRUCTION DOCUMENTS
SHEET NAME & NUMBER
WALL SECTIONS & DETAILS

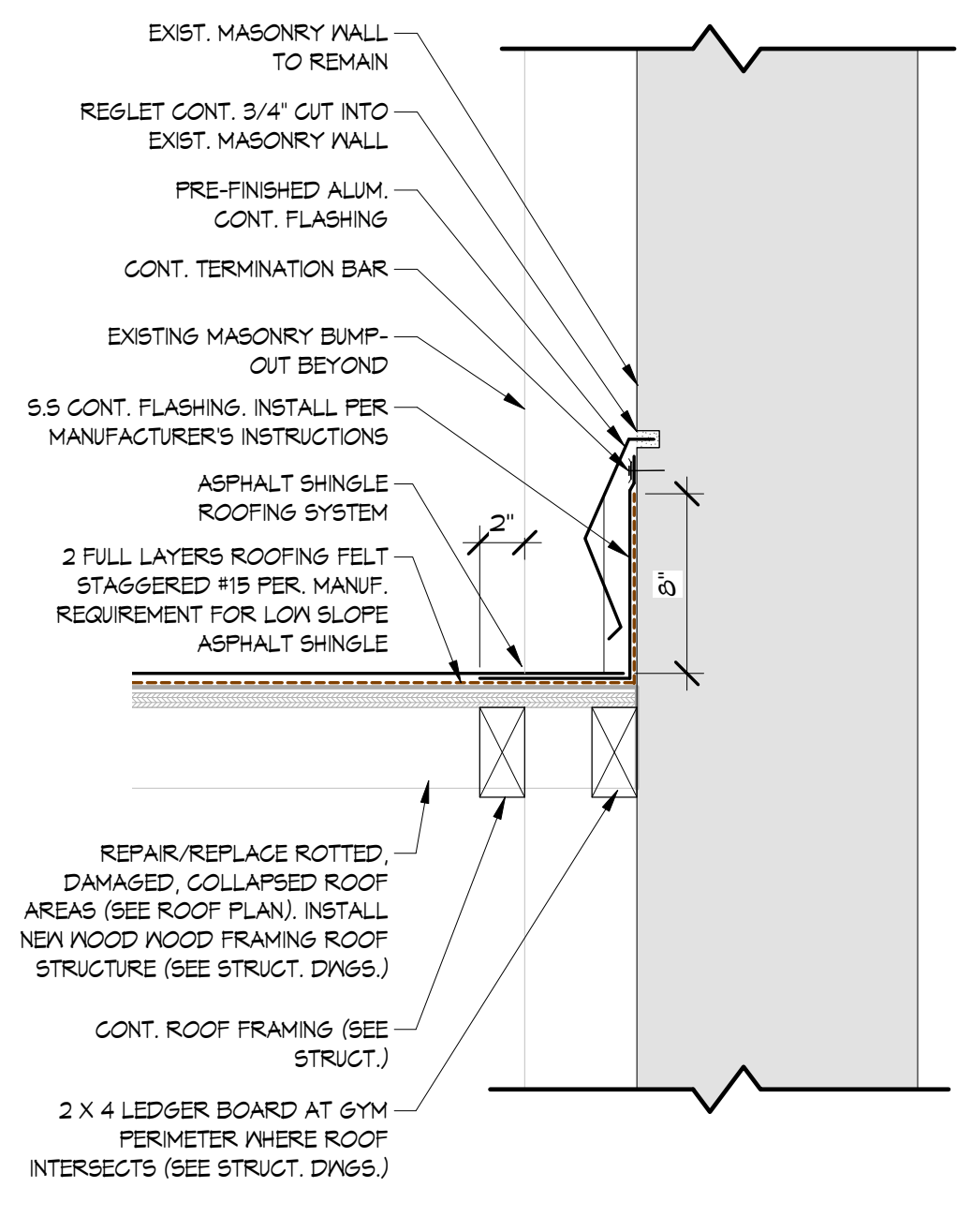
A6.01



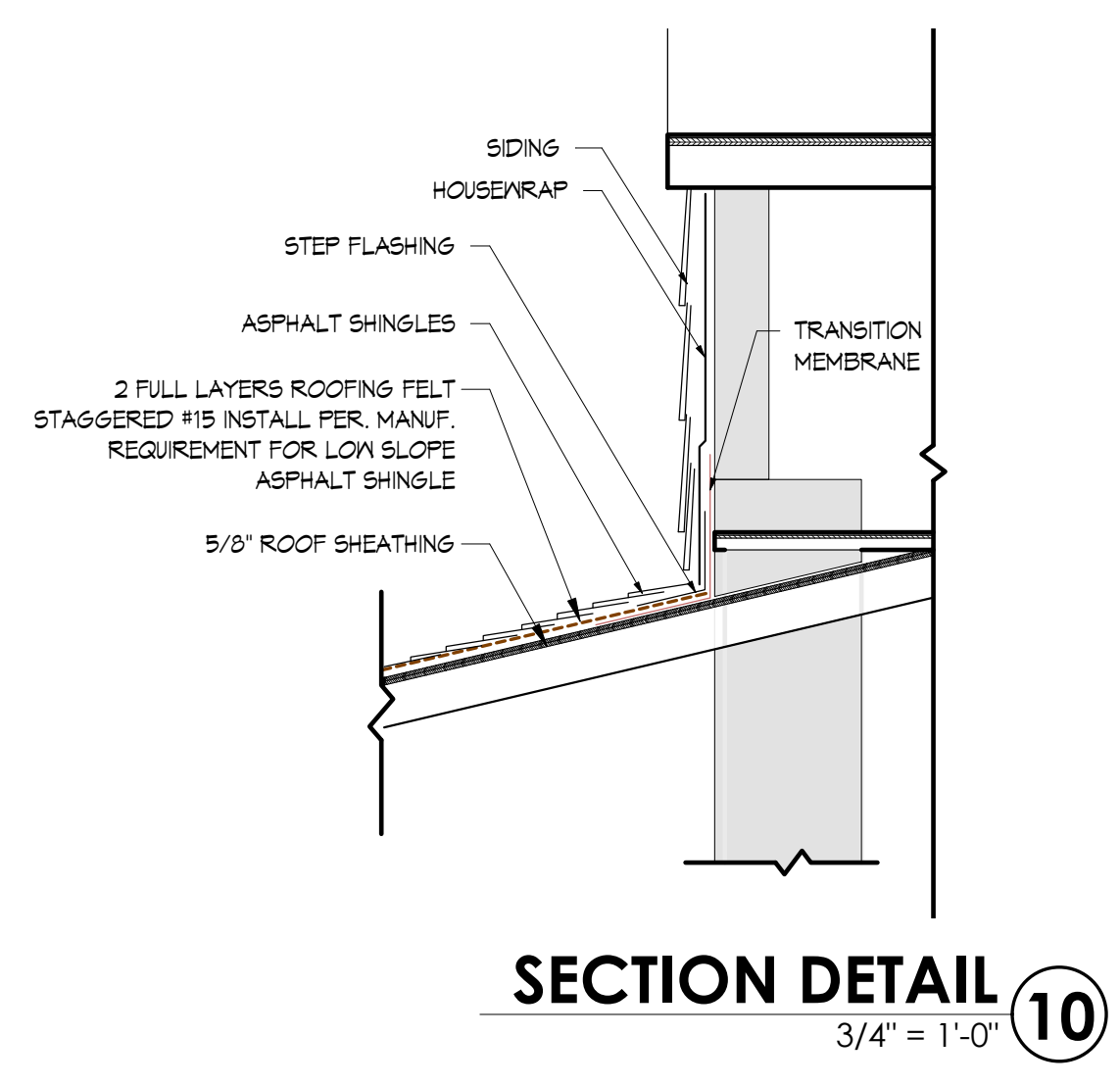
TYP. EAVE & WINDOW HEAD DETAIL 7
1 1/2" = 1'-0"



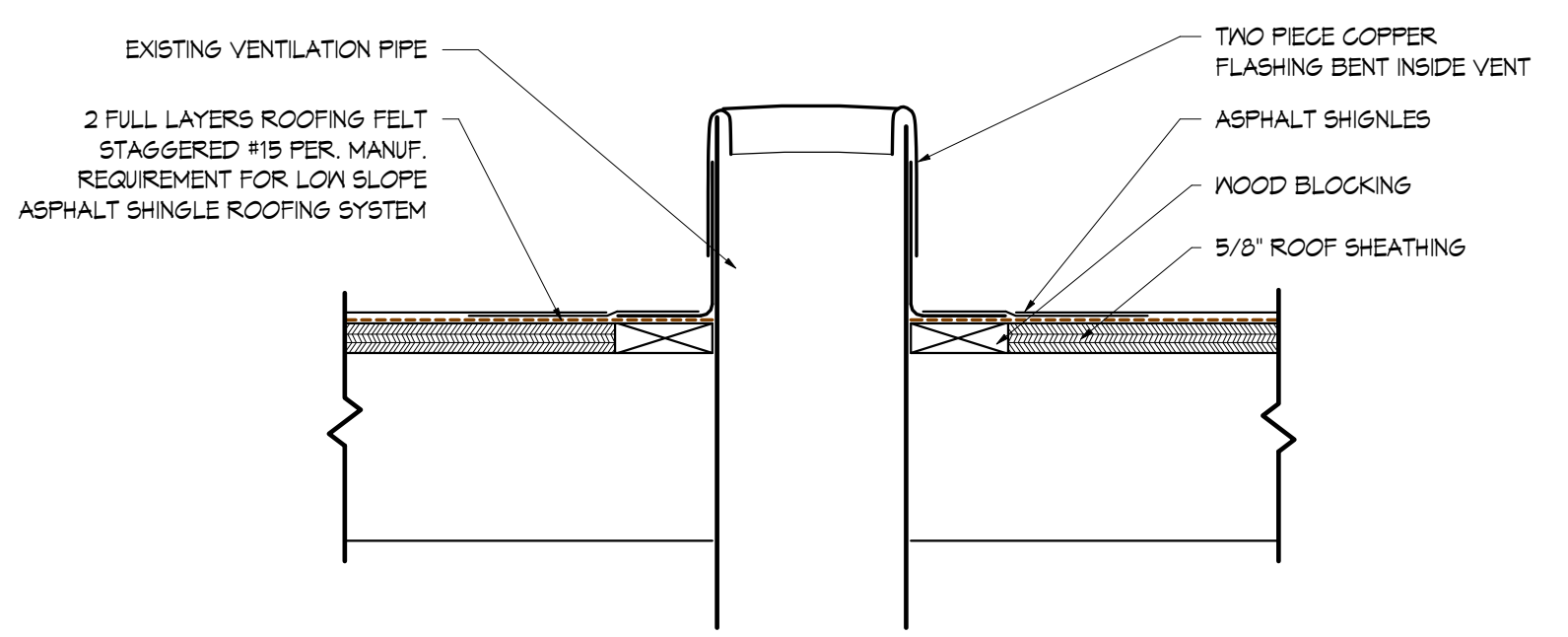
SECTION DETAIL 8
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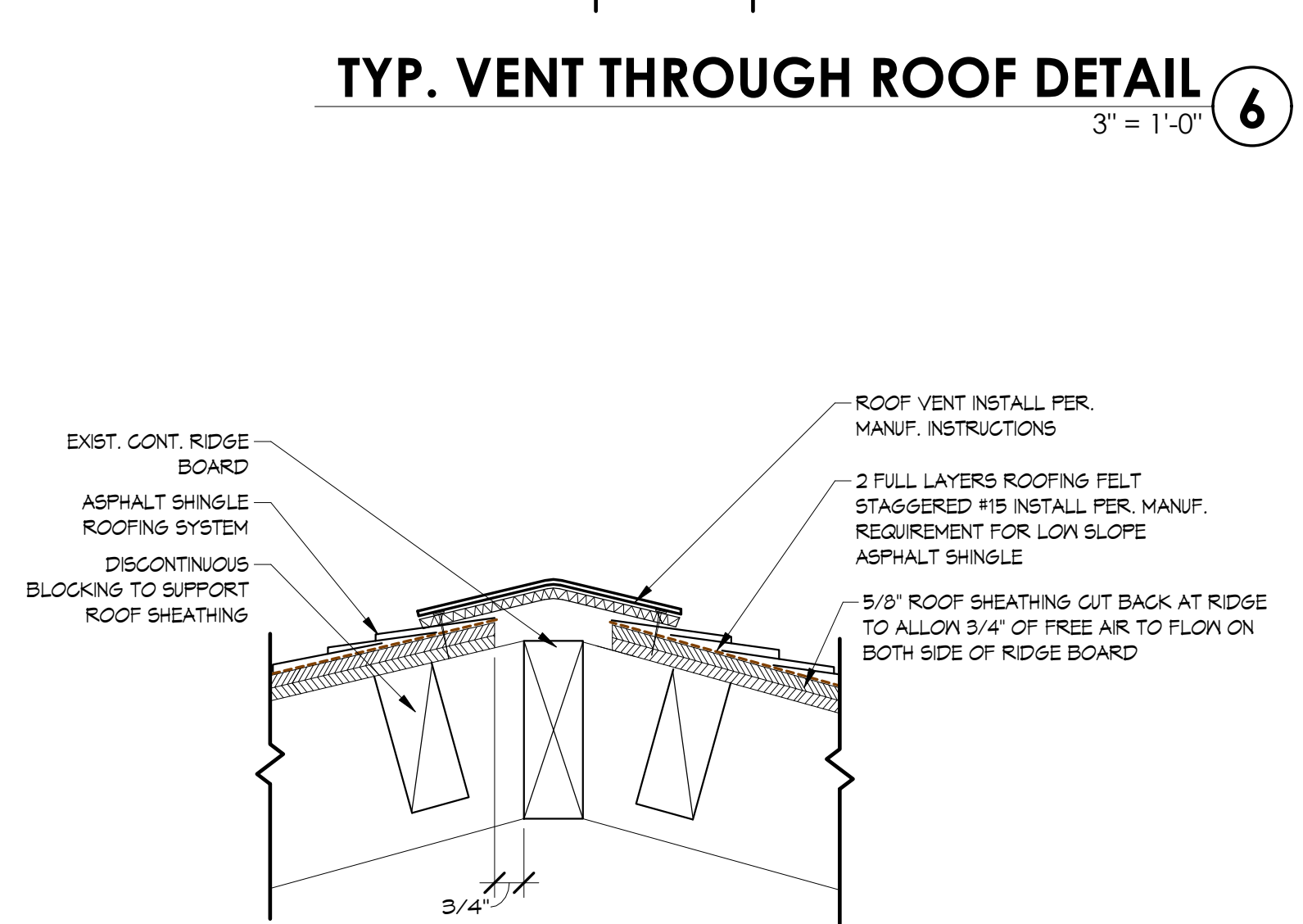
FLASHING DETAIL 9
1 1/2" = 1'-0"



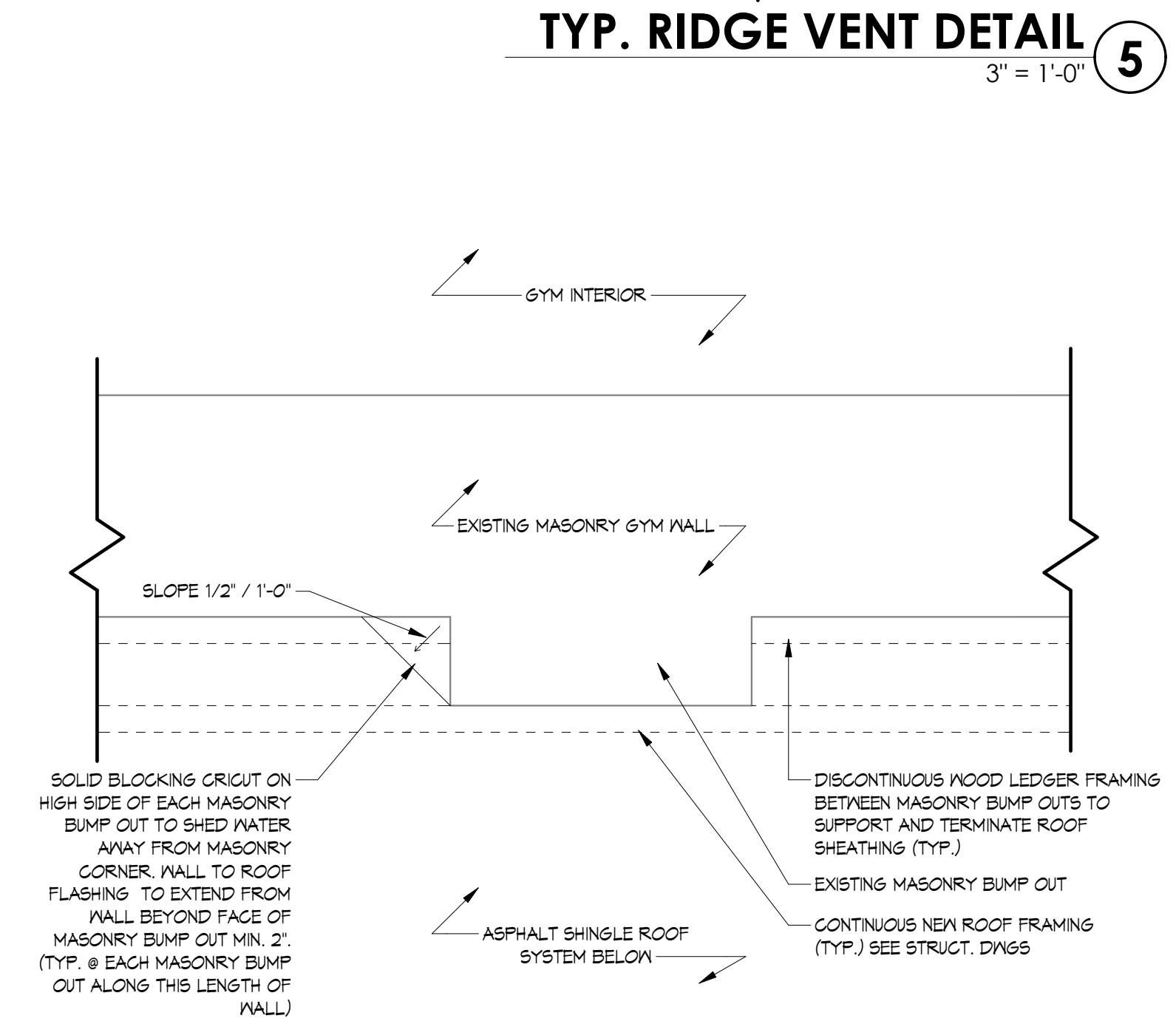
SECTION DETAIL 10
3/4" = 1'-0"



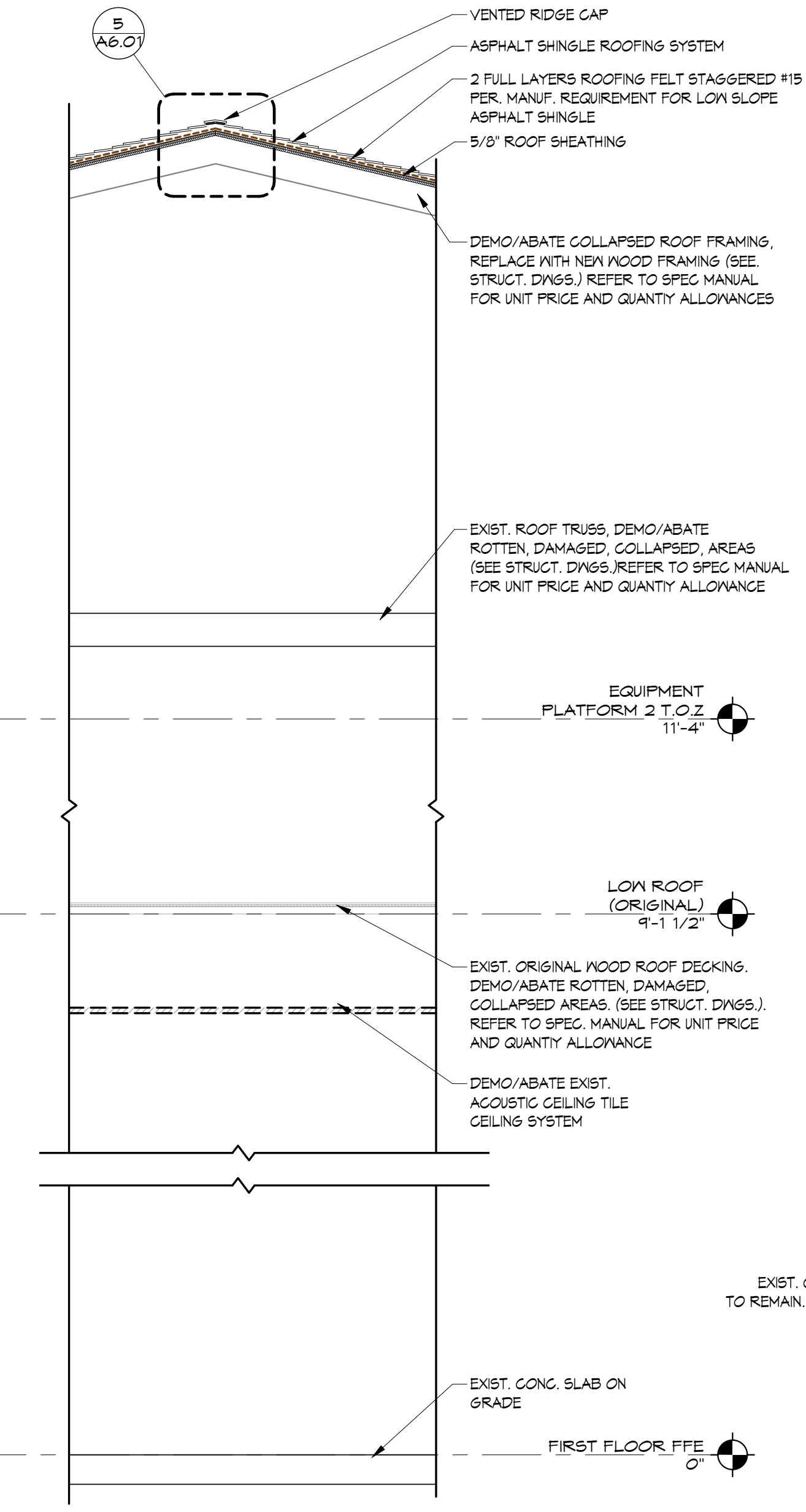
TYP. VENT THROUGH ROOF DETAIL 6
3" = 1'-0"



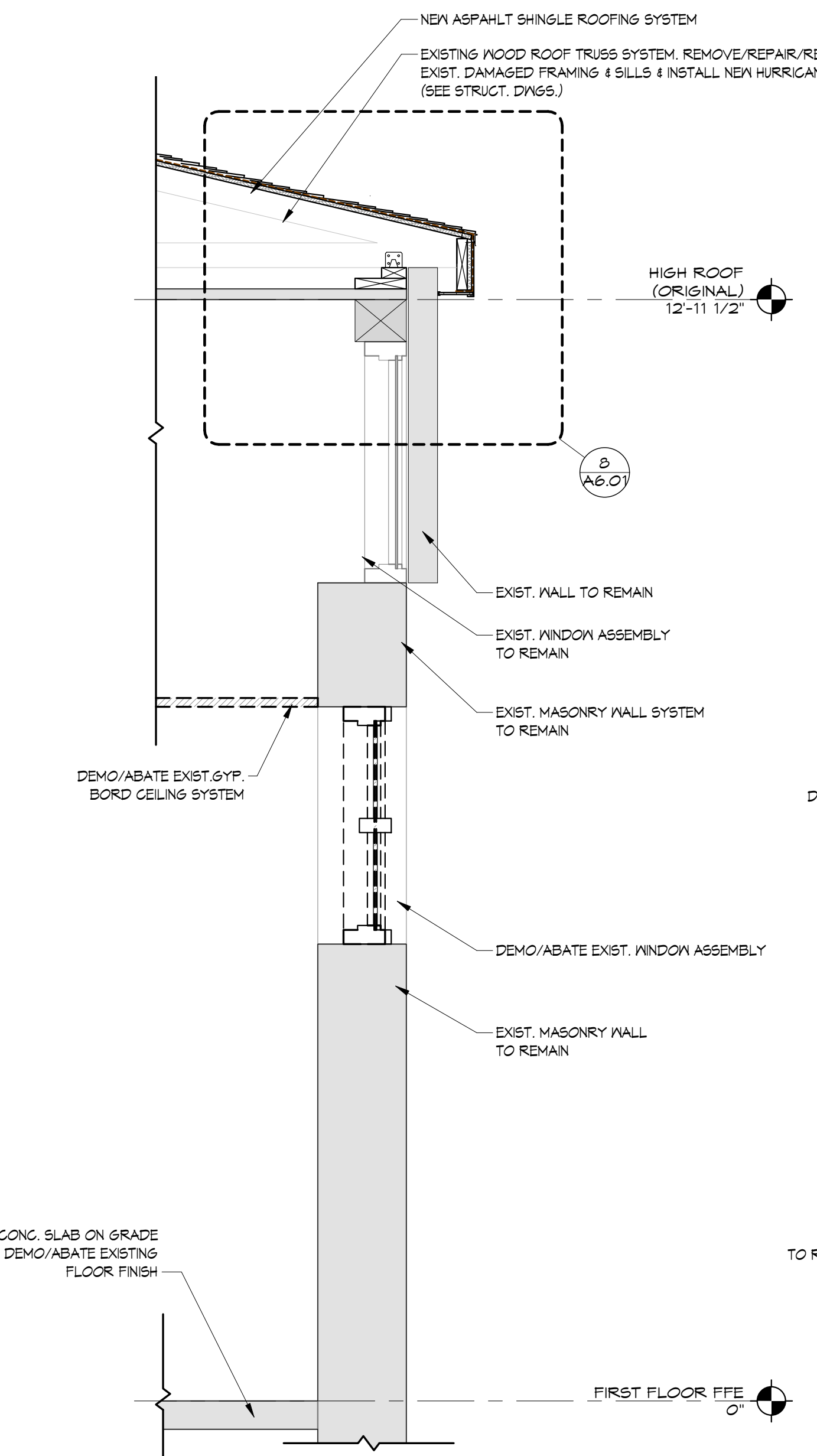
TYP. RIDGE VENT DETAIL 5
3" = 1'-0"



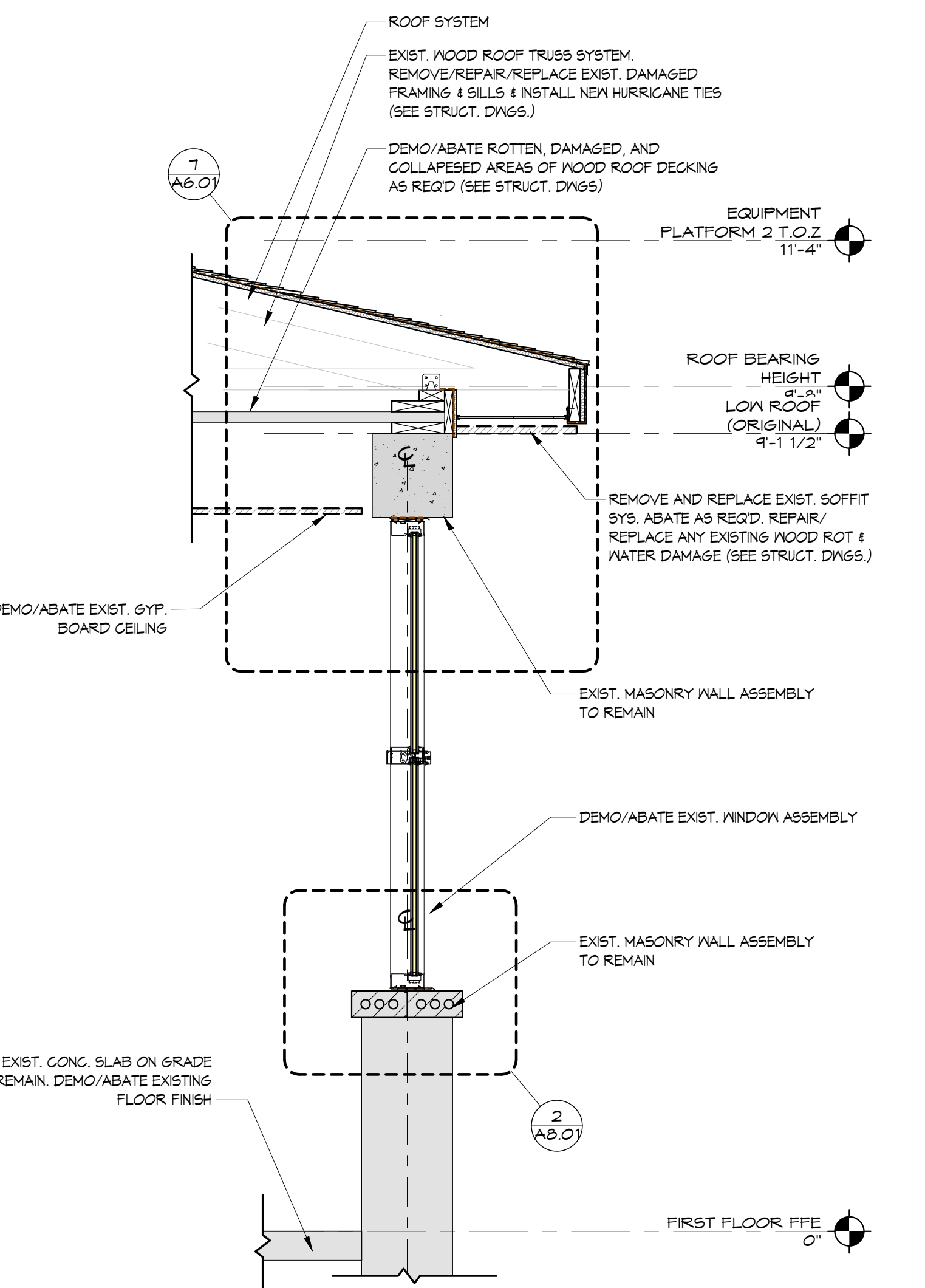
PLAN DETAIL 4
1 1/2" = 1'-0"



WALL SECTION 3
3/4" = 1'-0"



WALL SECTION 2
3/4" = 1'-0"



TYP. WALL SECTION 1
3/4" = 1'-0"



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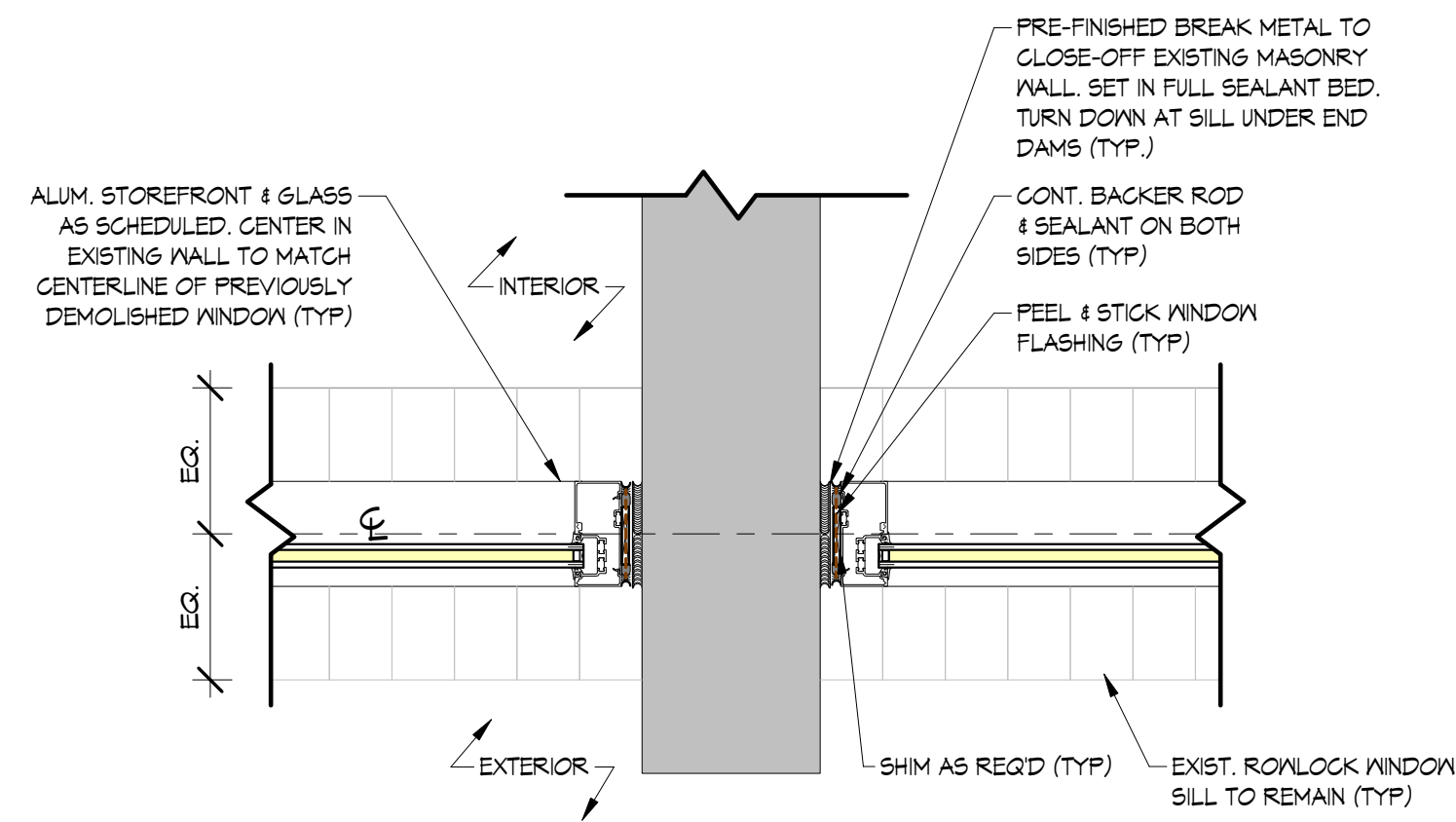
TYPE/TAG	DIMENSION	MATERIAL	FINISH	DETAILS			GLAZING TYPE	FIRE RATING	REMARKS
				HEAD	SILL	JAMB			
SF1	5'-5" (+/-) X 24'-3 3/4" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF2	5'-5" (+/-) X 24'-1 13/16" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF3	5'-5" (+/-) X 24'-1" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF4	5'-5" (+/-) X 24'-5 5/8" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF5	2'-9 1/2" (+/-) X 13'-8" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF6	2'-9 1/2" (+/-) X 23'-5" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF7	2'-9 1/2" (+/-) X 4'-1" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G2		REMOVE BOARD ON INSIDE
SF8	2'-9 1/2" (+/-) X 4'-1" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF9	5'-5" (+/-) X 9'-5" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		

GLAZING SCHEDULE

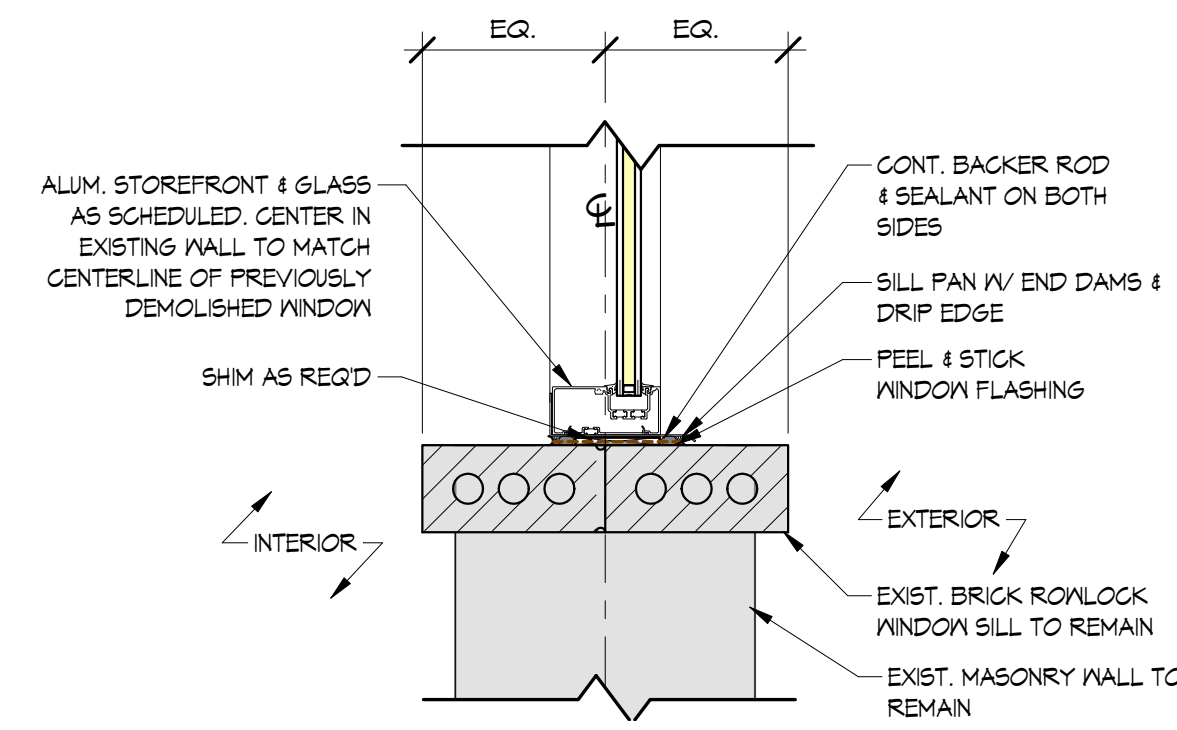
G1	ULTRA CLEAR 1" TEMPERED INSULATED LOW-E GLASS
G2	ULTRA CLEAR 1" TEMPERED INSULATED SPANDREL GLASS UNIT SPANDREL COATING ON INSIDE PANE, OUTSIDE SURFACE OF IGU.

DOOR/OPENINGS GENERAL NOTES:

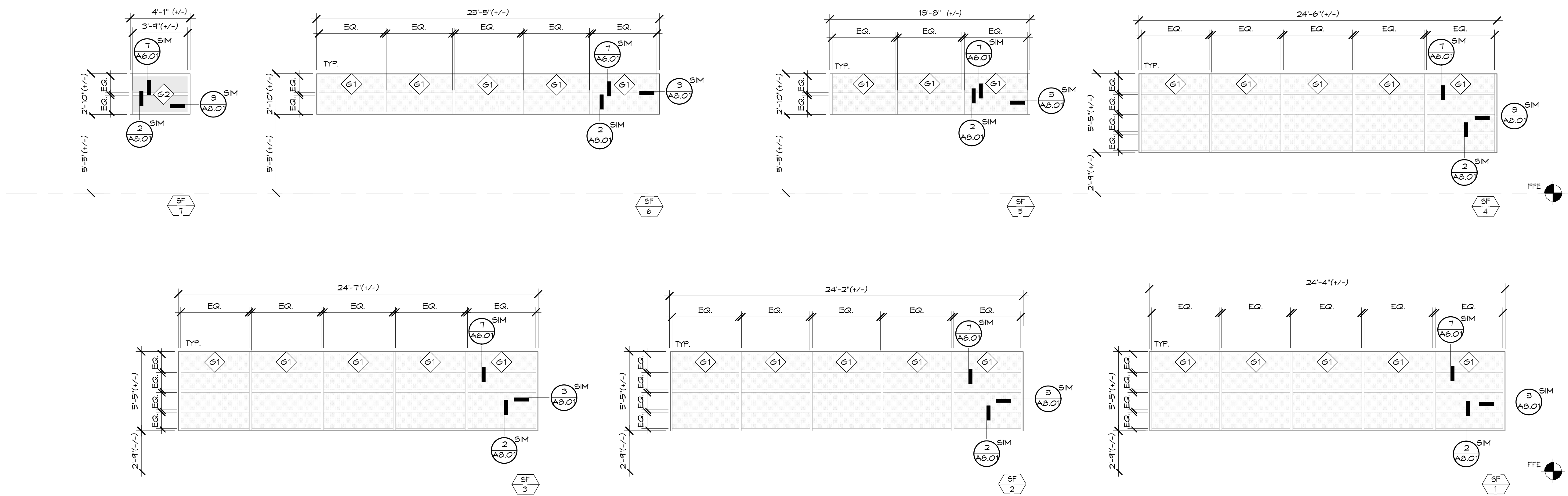
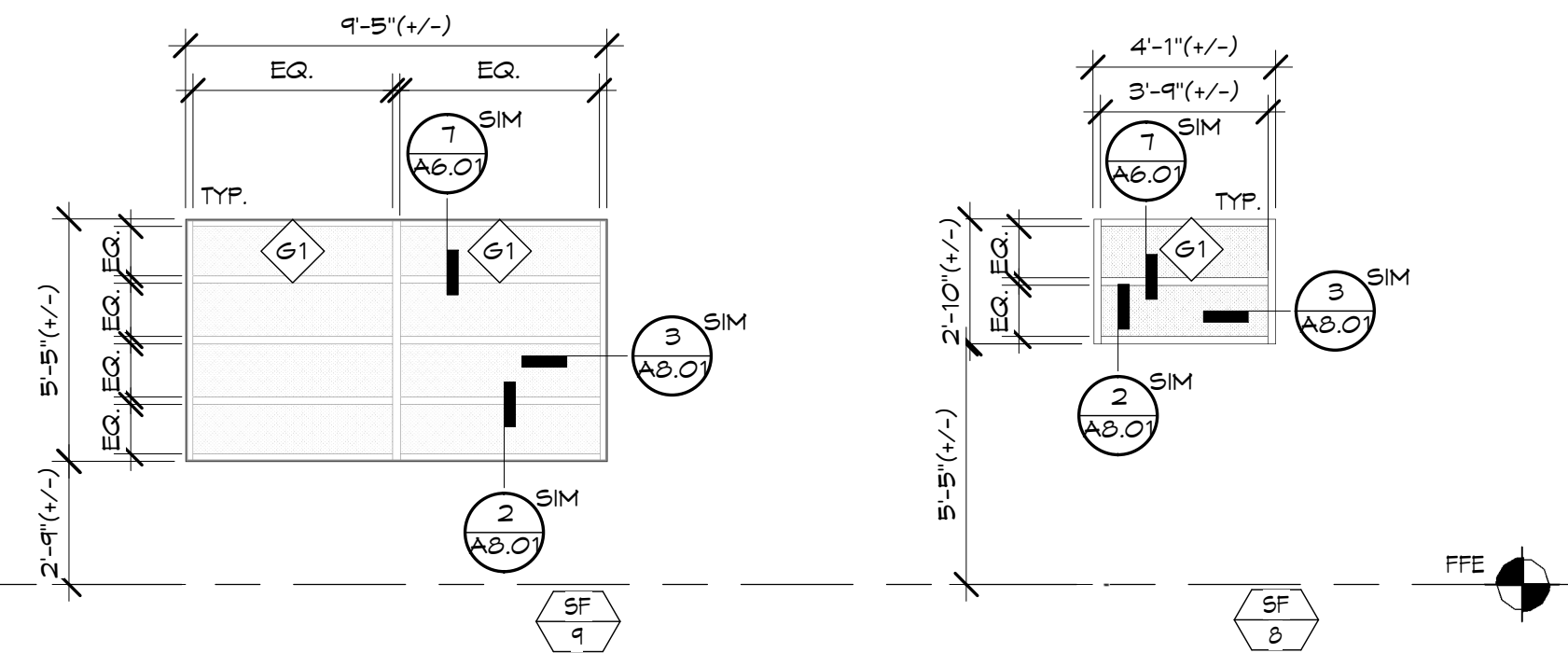
- GC TO FIELD VERIFY ALL OPENINGS PRIOR TO FRAME ORDERING AND FABRICATION.
- "SF" TAGS INDICATES EXTERIOR STOREFRONT FRAMES - REFER TO PLANS FOR LOCATIONS, FRAME ELEVATIONS FOR DIMENSIONS, GLAZING TAGS, ETC.



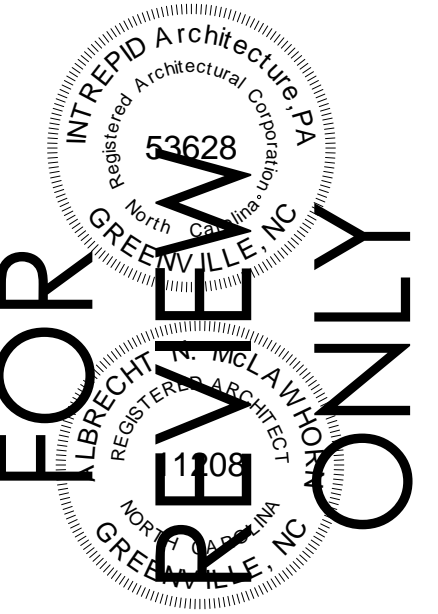
TYP. JAMB DETAIL 3
1 1/2" = 1'-0"



TYP. SILL DETAIL 2
1 1/2" = 1'-0"



FRAME ELEVATIONS 1
1/4" = 1'-0"



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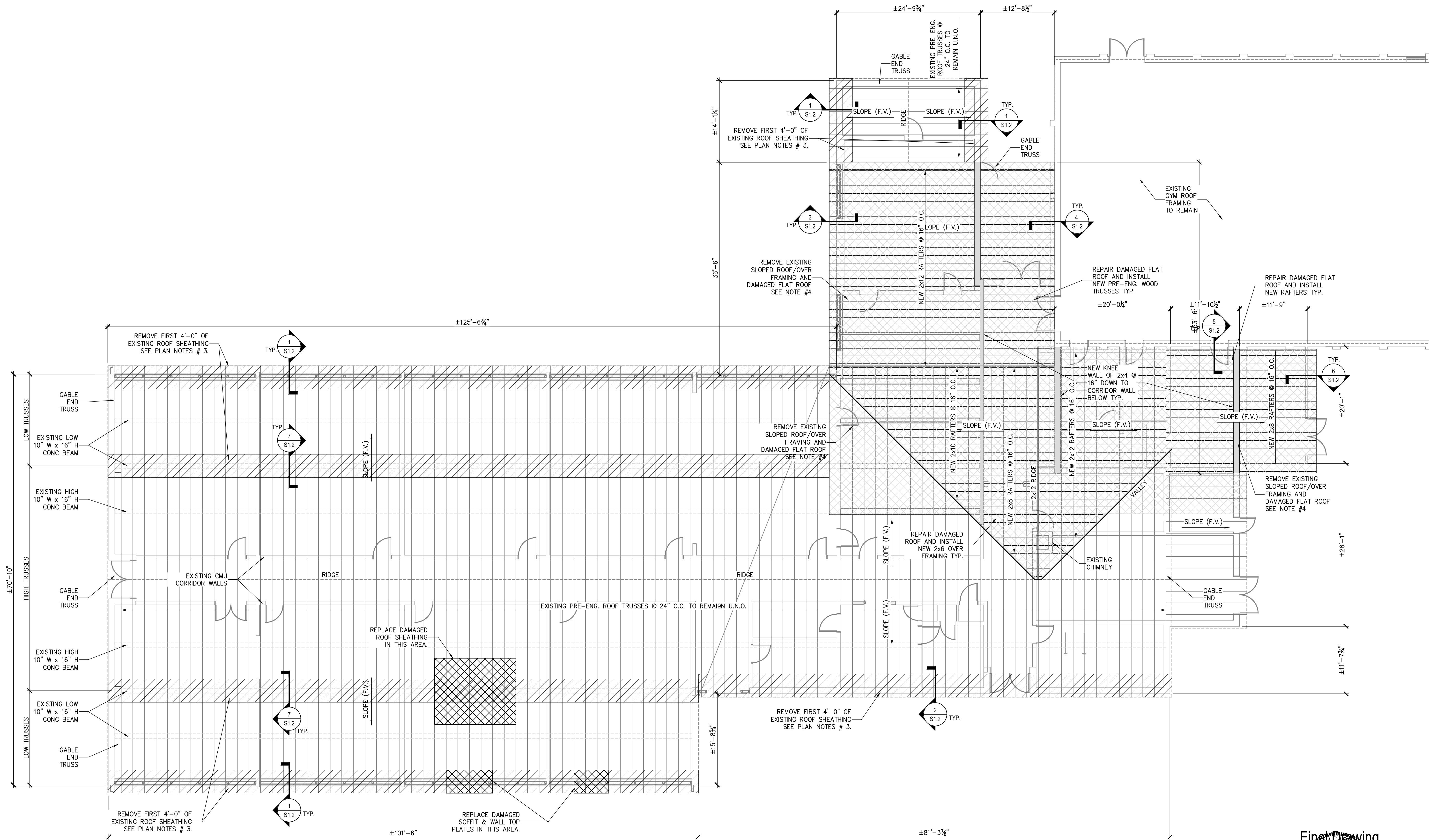
#	DESC.	DATE
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PHASE:
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SHEET NAME & NUMBER
FRAME ELEVATIONS & SCHEDULES

A8.01

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PARTIAL ROOF FRAMING PLAN
1/8" = 1'-0"

- ROOF FRAMING PLAN NOTES:**
- SEE SHEET S1.2 FOR DESIGN CRITERIA, GENERAL STRUCTURAL NOTES AND SCHEDULES.
 - ALL BUILDING DIMENSIONS ARE FROM FACE TO FACE OF STUD WALLS, U.N.O.
 - REMOVE FIRST 4'-0" OF ROOF SHEATHING TO EXPOSE TRUSS ENDS FOR INSTALLATION OF NEW HURRICANE TIES AT EA. TRUSS, U.N.O. AND REINSTALL ROOF SHEATHING TO MATCH EXISTING.
 - REMOVE EXISTING SLOPED ROOF OVER FRAMING AND DAMAGED FLAT ROOF (ORIGINAL ROOF) WOOD FRAMING IN THESE AREAS. REPAIR ORIGINAL ROOF, AND INSTALL NEW FRAMING AS SHOWN ON PLAN, TO MATCH EXISTING.
 - ± DENOTED FIELD VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 - U.N.O. DENOTES UNLESS NOTED OTHERWISE.

REVISIONS	



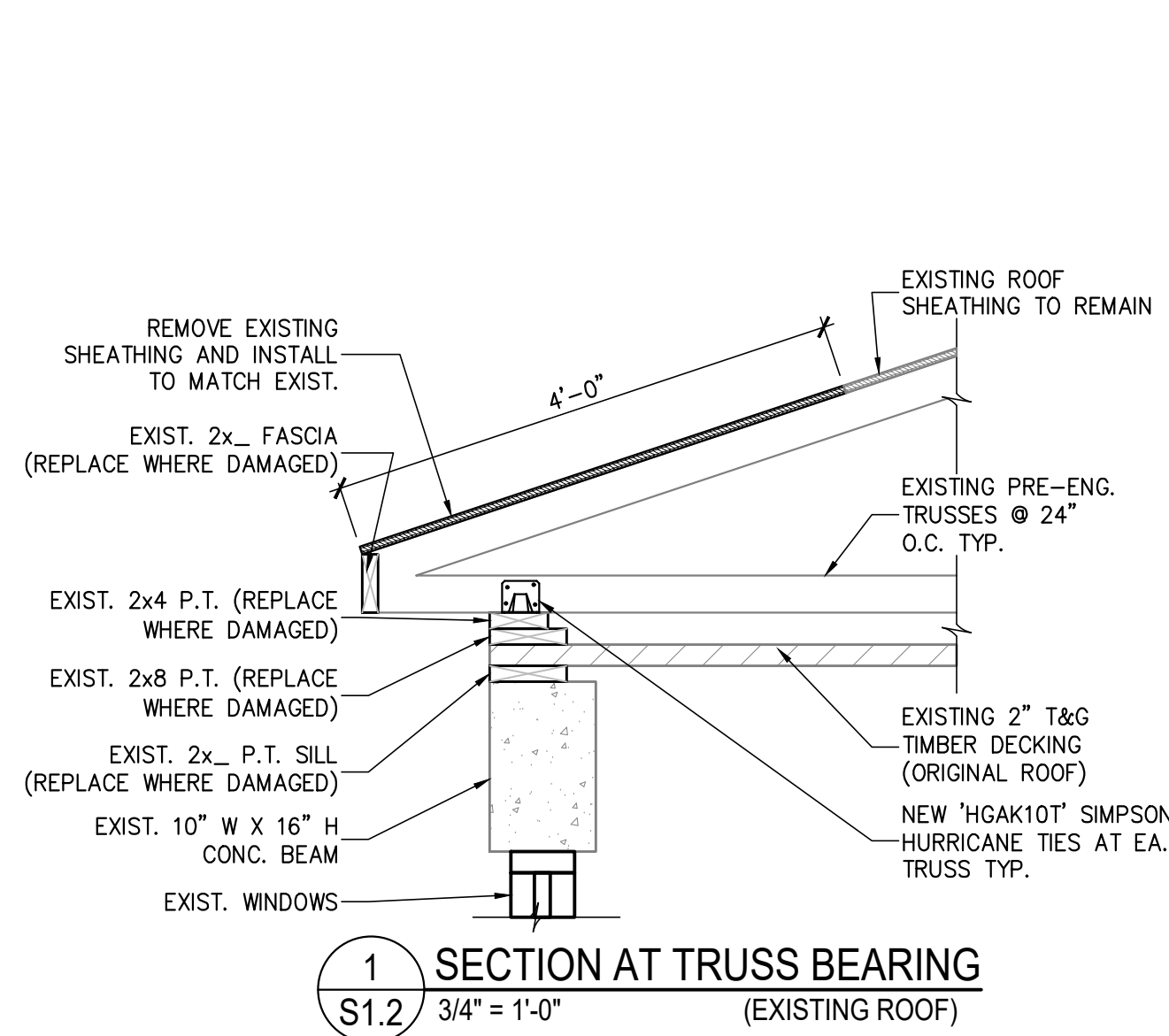
RPA ENGINEERING, P.A.
Structural Engineering Solutions
Engineering License Certificate No. C-2734
102 Regency Blvd. Phone: 252-321-6027
Suite A1 Fax: 252-355-2179
Greenville, NC 27834
RPA Project No.: 2022449

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PROJECT #: **21014**
ISSUE DATE: **03-31-2023**

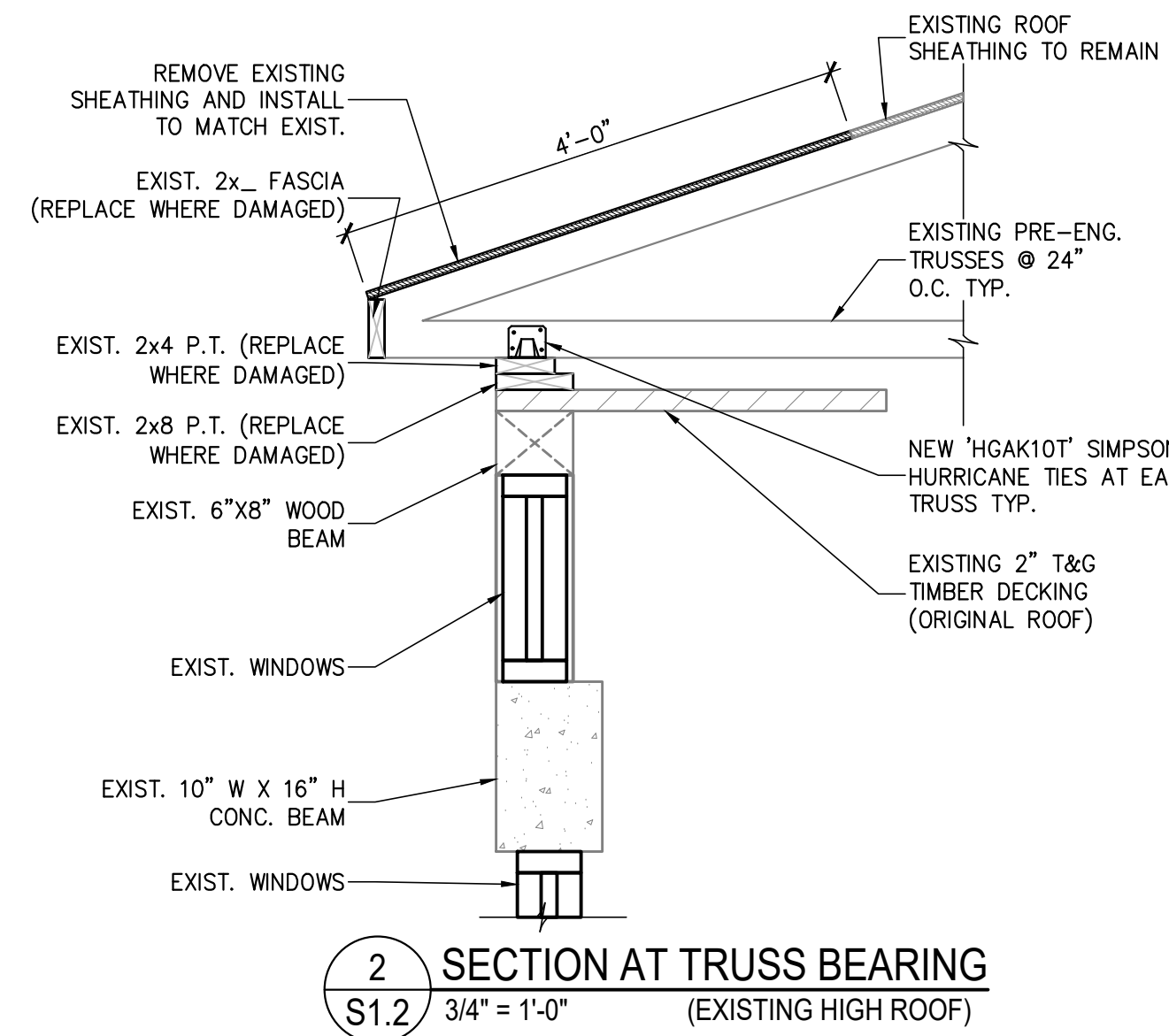
PHASE:
75% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER
ROOF FRAMING PLAN & PLAN NOTES

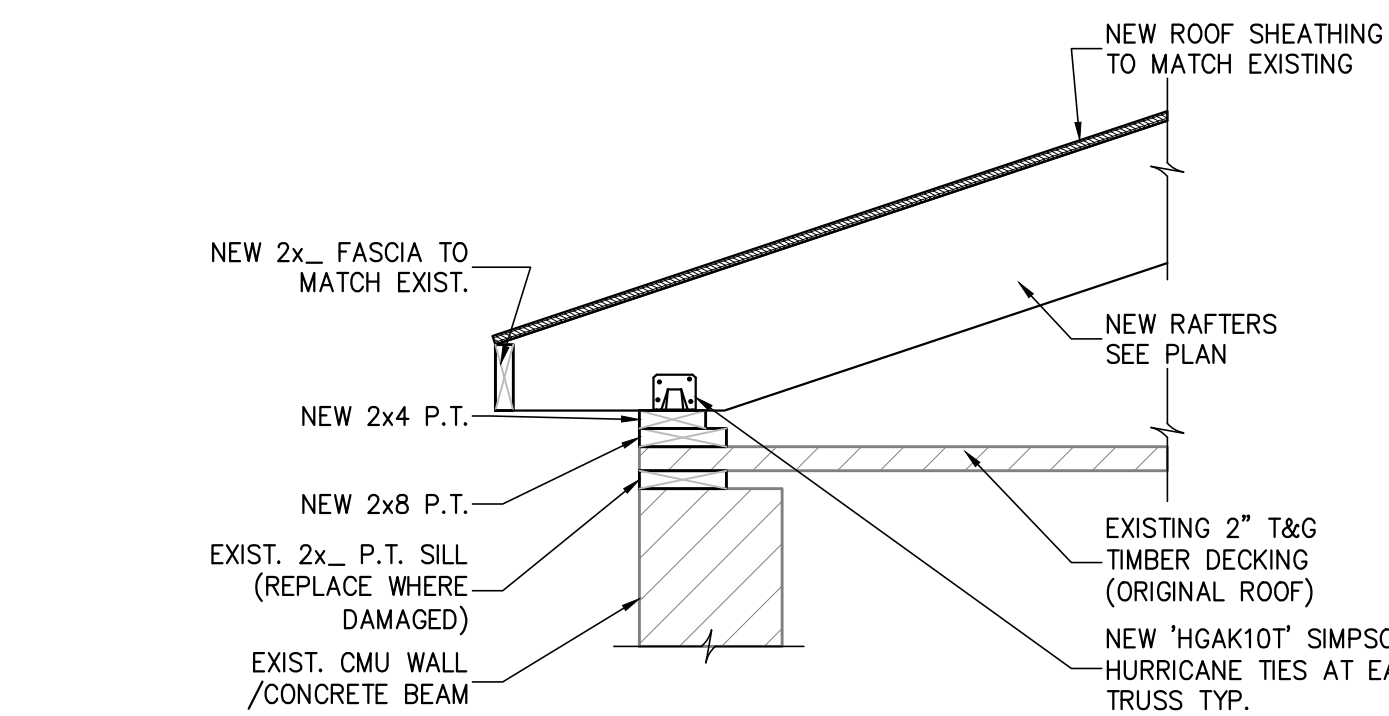
S1.1



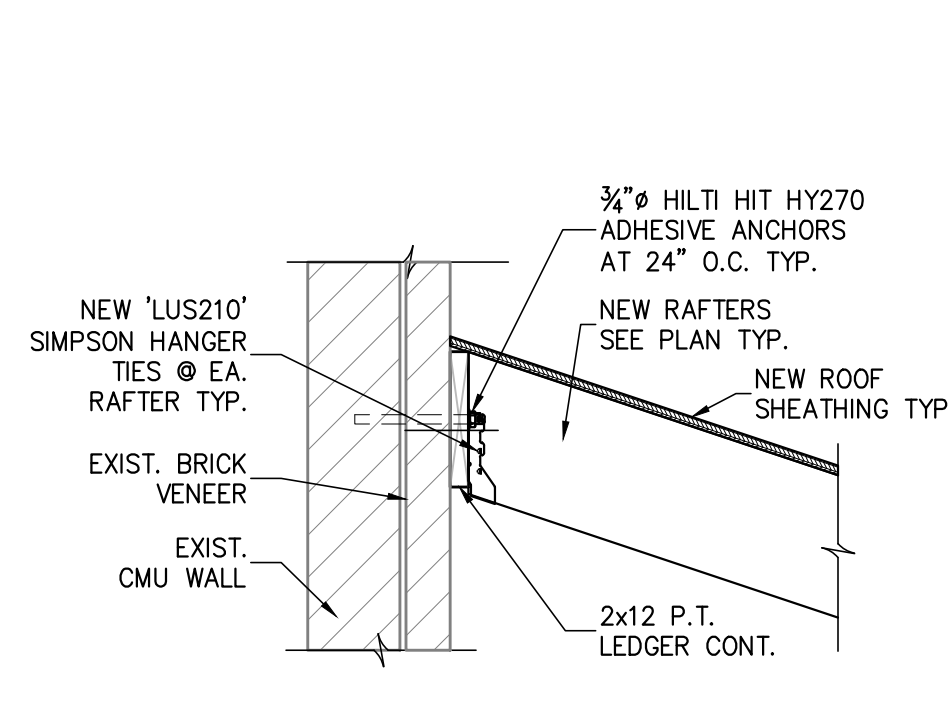
1 SECTION AT TRUSS BEARING
S1.2 3/4" = 1'-0" (EXISTING ROOF)



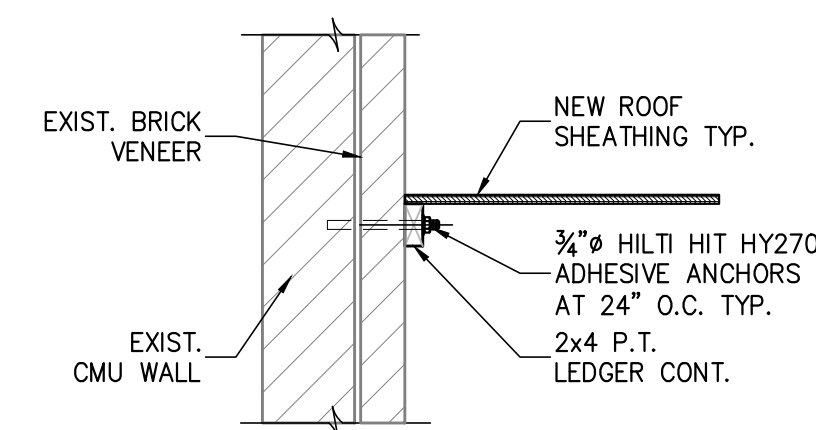
2 SECTION AT TRUSS BEARING
S1.2 3/4" = 1'-0" (EXISTING HIGH ROOF)



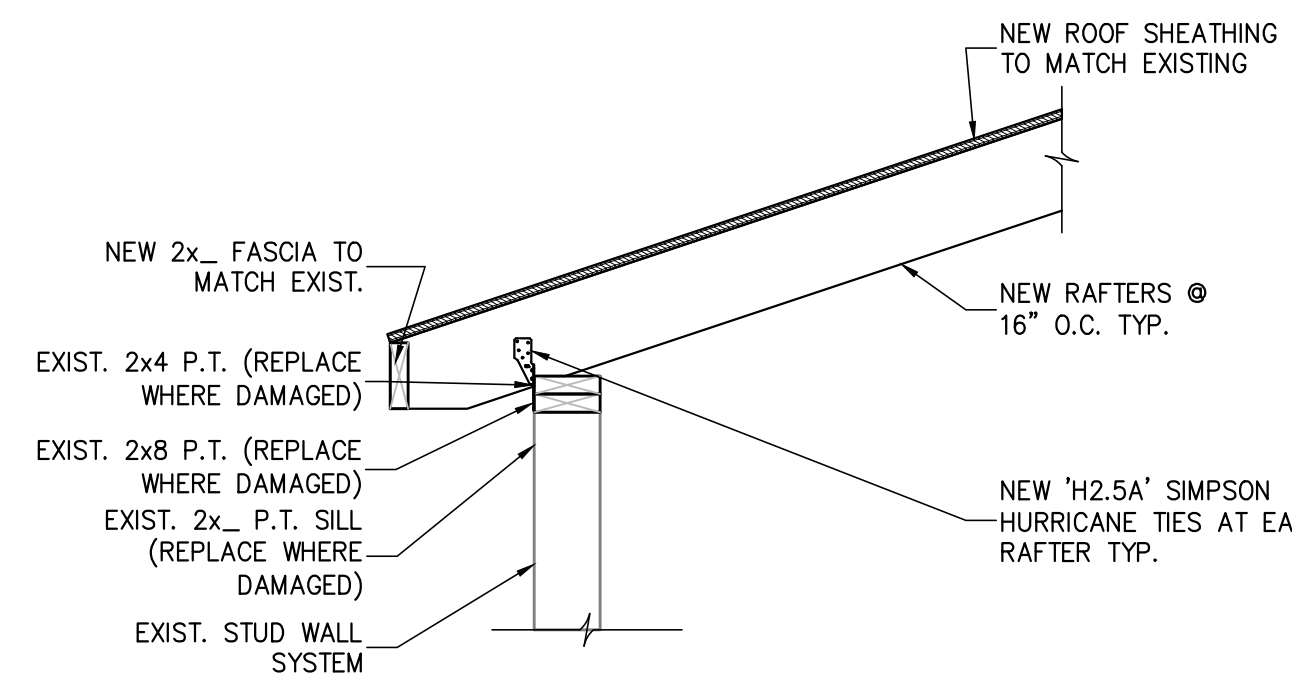
3 SECTION AT TRUSS BEARING
S1.2 3/4" = 1'-0" (ROOF REPLACEMENT)



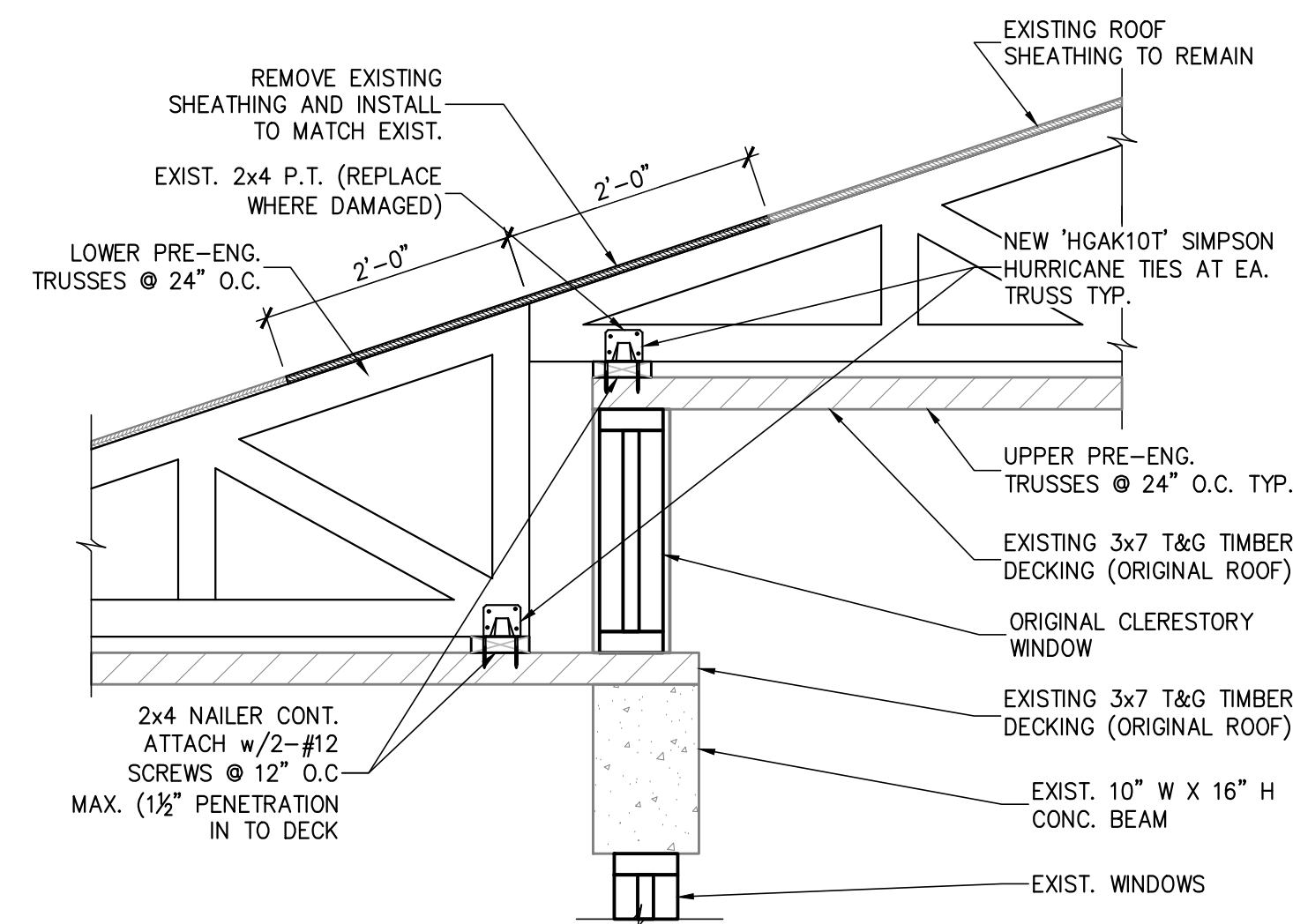
4 LEDGER CONN. TO EXIST. WALL
S1.2 3/4" = 1'-0"



5 LEDGER CONN. TO EXIST. WALL
S1.2 3/4" = 1'-0"



6 SECTION AT RAFTER BEARING
S1.2 3/4" = 1'-0" (LOW ROOF)



7 SECTION AT TRUSS TRANSITION
S1.2 3/4" = 1'-0"

GENERAL STRUCTURAL NOTES:

- GENERAL NOTES**
 - METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
 - THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLEEVES, CURBS, INSERTS OR OPENINGS NOT HEREIN INDICATED.
 - COORDINATE THESE DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DRAWINGS.
 - CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION DIMENSIONS WHICH IMPACT NEW CONSTRUCTION PRIOR TO FABRICATING ANY REBAR, STEEL, TRUSSES, ETCETERA.
 - DO NOT CUT, NOTCH, OR OTHERWISE MODIFY ANY STRUCTURAL MEMBERS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS WITHOUT APPROVAL OF THE ENGINEER OF RECORD.
 - CONTRACTOR IS RESPONSIBLE FOR DESIGN AND INSTALLATION OF ALL SHORING REQUIRED TO SUPPORT NEW AND EXISTING STRUCTURAL ELEMENTS.
- WOOD FRAMING**
 - ALL STRUCTURAL WOOD MEMBERS SHALL BE No. 2 SOUTHERN YELLOW PINE, 19% MAXIMUM MOISTURE CONTENT, UNLESS OTHERWISE NOTED. INTERIOR NON BEARING PARTITIONS MAY BE No. 2 SPRUCE (SPF).
 - ALL WOOD FRAMING, DIRECTLY EXPOSED TO WEATHER, OR IN DIRECT CONTACT WITH MASONRY, SOIL OR CONCRETE, SHALL BE PRESSURE TREATED, UNLESS OTHERWISE NOTED.
 - ALL LVLs, DIRECTLY EXPOSED TO WEATHER, OR IN DIRECT CONTACT WITH MASONRY, SOIL OR CONCRETE, SHALL BE EXTERIOR GRADE, UNLESS NOTED OTHERWISE.
 - ALL METAL CONNECTORS SHALL BE HOT DIP GALVANIZED. INSTALL ALL CONNECTORS PER THE MANUFACTURER'S RECOMMENDATIONS. METAL CONNECTOR DESIGNATIONS INDICATED ON PLANS, ARE FOR 'SIMPSON STRONG-TIE' ANCHORS. ANCHORS FROM OTHER MANUFACTURERS MAY BE USED, PROVIDED THEY HAVE EQUIVALENT STRENGTH.
 - ALL NAILED CONNECTIONS SHALL BE IN ACCORDANCE WITH NORTH CAROLINA STATE BUILDING CODE TABLE 2304.9.1. - FASTENING SCHEDULE, UNLESS OTHERWISE NOTED.
 - FRAMING CONNECTIONS THAT ARE BOLTED OR SCREWED, SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD.
 - PROVIDE STUDS AND HEADERS AT ALL EXTERIOR WALLS AND INTERIOR BEARING WALLS AS FOLLOWS, UNLESS OTHERWISE NOTED:

OPENING WIDTH	STUDS	HEADER
0'-0" TO 6'-0"	2 KING STUDS, 1 JACK STUD	(2) 2 x 10 @ 2 x 4 WALL (3) 2 x 10 @ 2 x 6 WALL
6'-1" TO 8'-0"	2 KING STUDS, 2 JACK STUDS	(2) 2 x 10 @ 2 x 4 WALL (3) 2 x 10 @ 2 x 6 WALL
8'-1" TO 12'-0"	3 KING STUDS, 2 JACK STUDS	(2) 2 x 12 @ 2 x 4 WALL (3) 2 x 12 @ 2 x 6 WALL
- WOOD DECKING/SHEATHING**
 - ROOF SHEATHING SHALL BE 1/2" PLYWOOD OR ORIENTED STRAND BOARD (OSB), UNLESS OTHERWISE NOTED. ATTACH ROOF SHEATHING TO FRAMING WITH 8d NAILS AT 4" O.C. AT PANEL EDGES AND 12" O.C. AT INTERIOR MEMBERS. PROVIDE SOLID BLOCKING AT PANEL EDGES (48" O.C.).
 - SUB-FLOOR SHALL CONSIST OF 3/4" TONGUE AND GROOVE PLYWOOD UNLESS OTHERWISE NOTED. FASTEN WITH 8d NAILS AT 6" O.C. AT PANEL EDGES, AND AT 12" O.C. AT INTERIOR SUPPORTS.
- PRE-ENGINEERED WOOD TRUSSES**
 - PRE-ENGINEERED TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED, IN ACCORDANCE WITH TRUSS PLATE INSTITUTE (T.P.I.) SPECIFICATIONS.
 - PRE-ENGINEERED TRUSS MANUFACTURER SHALL DESIGN ALL TEMPORARY AND PERMANENT TRUSS BRACING, AND CLEARLY INDICATE ALL BRACING SIZES AND LOCATIONS ON THE SHOP DRAWINGS.
 - TRUSS HANGERS: AT EACH TRUSS END THAT DOES NOT HAVE A STANDARD BEARING CONNECTION, PROVIDE AN ENGINEERED CONNECTION THAT IS CAPABLE OF SUPPORTING THE REQUIRED REACTION.
 - COORDINATE TRUSS PROFILES AND OVERHANG DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 - HURRICANE ANCHORS SHALL BE SPECIFIED BY THE TRUSS MANUFACTURER UNLESS OTHERWISE NOTED. ENGINEER OF RECORD CAN SPECIFY ANCHORS IF LOADING INFORMATION IS PROVIDED BY TRUSS MANUFACTURER. ALL TRUSS TO TRUSS CONNECTORS SHALL BE SPECIFIED BY TRUSS MANUFACTURER.
 - THE CONTRACTOR SHALL SUBMIT TRUSS SHOP AND LAYOUT DRAWINGS FOR APPROVAL, PRIOR TO THE FABRICATION OF THE TRUSSES. ALL TRUSS DRAWINGS SHALL BE SEALED BY A NORTH CAROLINA PROFESSIONAL ENGINEER.
 - ALL PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED TO SUPPORT THE DEAD AND LIVE LOADS INDICATED AS FOLLOWS:

UNIFORM LOADS:	ROOF TRUSSES
TOP CHORD LIVE LOAD	20 PSF
TOP CHORD DEAD LOAD	10 PSF
BOTTOM CHORD DEAD LOAD	10 PSF

STRUCTURAL DESIGN CRITERIA:

- DESIGN LOADS:**
 - ROOF DEAD LOAD: MAX 2 PSF, MIN (FOR UPLIFT) 2 PSF
 - ROOF SHINGLES: 3 PSF, 2 PSF
 - SHEATHING: 3 PSF, 2 PSF
 - ROOF FRAMING: 5 PSF, 3 PSF
 - PIPING, DUCT, ETC.: 2 PSF, 0 PSF
 - 12 PSF, 7 PSF
 - LIVE LOADS**
 - ROOF LIVE LOAD - ALL AREAS GREATER OF 20 PSF MINIMUM OR SNOW LOAD. LIVE LOAD REDUCTION CAN BE USED IN ACCORDANCE WITH 2018 NCBC, SECTION 1607.10
 - 1ST FLOOR LIVE LOAD: 100 PSF
 - SNOW LOAD**
 - GROUND SNOW LOAD = 10 PSF (ENGELHARD, NC)
 - SNOW LOAD IMPORTANCE FACTOR: I = 1.0
 - SNOW EXPOSURE FACTOR = 1.0
 - SNOW THERMAL FACTOR = 1.0
 - ROOF SNOW LOAD = 7 PSF
 - BASIC DESIGN ROOF SNOW LOAD = 7.0 PSF
 - WIND LOAD**
 - BASIC WIND SPEED: Vult = 133 MPH (ENGELHARD, NC)
 - RISK CATEGORY: I, II, III, IV
 - WIND EXPOSURE CATEGORY: 'B' (ASCE 7-10)
 - WIND BASE SHEAR (FOR MWFRS): Vx = K, Vy = K (N/A EXIST. BLDG)
 - INTERNAL PRESSURE COEFFICIENT: ±0.55
 - SEISMIC LOADS (N.C. STATE BLDG. CODE):

RISK CATEGORY:	I	II	III	IV
SEISMIC DESIGN CATEGORY:	A	B	C	D
MAPPED SPECTRAL RESPONSE ACCELERATION:	Ss 0.7 %g	Ss 0.7 %g	Ss 0.7 %g	Ss 0.7 %g
SPECTRAL RESPONSE COEFFICIENTS:	Srs 0.2 %g	Srs 0.2 %g	Srs 0.2 %g	Srs 0.2 %g
SEISMIC RESPONSE COEFFICIENT:	Cs 0.036	Cs 0.036	Cs 0.036	Cs 0.036
RESPONSE MODIFICATION FACTOR, R:	3.25	3.25	3.25	3.25
 - SITE CLASSIFICATION: A, B, C, D, E, F
- BASIC STRUCTURAL SYSTEM:
 BEARING WALL DUAL w/ SPECIAL MOMENT FRAME
 BUILDING FRAME DUAL w/ INTERMEDIATE R/C OR SPECIAL STEEL
 MOMENT FRAME INVERTED PENDULUM
- SEISMIC BASE SHEAR: Vx = K, Vy = K (N/A EXIST. BLDG.)
ANALYSIS PROCEDURE: SIMPLIFIED EQUIVALENT LATERAL FORCE MODAL
ARCHITECTURAL, MECHANICAL COMPONENTS ANCHORED? YES NO
LATERAL DESIGN CONTROL: EARTHQUAKE WIND
- ALL DESIGN LOADS ARE PER NORTH CAROLINA STATE BUILDING CODE 2018 EDITION.
 - WIND LOADS CONTROL THE LATERAL LOAD DESIGN. THE BUILDING UTILIZES SHEAR WALLS FOR LATERAL LOAD RESISTANCE.
- FOUNDATION DESIGN CRITERIA:**
 - MINIMUM FOOTING BEARING DEPTH BELOW GRADE IS 12 INCHES.
 - FOUNDATION DESIGN IS BASED ON A PRESUMPTIVE MAXIMUM ALLOWABLE SOIL BEARING CAPACITY OF 1,500 PSF.
 - CONTRACTOR SHALL FIELD VERIFY THE SOIL BEARING CAPACITY PRIOR TO START OF CONSTRUCTION.

REVISIONS	

DRAWN BY: GBP
PROJECT #: 21014
ISSUE DATE: 03-31-2023

PHASE:
75% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER
ROOF FRAMING DETAILS SECTIONS & NOTES

S1.2



RPA ENGINEERING, P.A.
Structural Engineering Solutions
Engineering License Certificate No. C-2734
102 Regency Blvd. Phone: 252-321-6027
Suite A1 Greenville, NC 27834 Fax: 252-355-2179
RPA Project No.: 2022449

ATTACHMENT 1A:

Site Visit Photographs

Hyde Community Center – Photo Log

- General Representative Photographs

End View of the 1954 Classroom Wing Highlighting the Original Building Profile



Rear View of the 1963-64 Gymnasium Addition (left) and 2007 Kitchen (right).



○

Photo 1: To the right can be seen a collapsed valley. This valley area is highlighted above in the red "diamond" shape. To the left, below the kitchen hood vent, can be seen another opening in the roof. This is highlighted in the diagram above with a red square.



○

Photo 2: To the right can be seen the flashing which shows the original roof alignment. Near the ridge the roof has settled about two feet.



Photo 3: In this interior photograph can be seen an opening in the upper roof, the original clerestory windows, and an opening in the lower (original) roof/ceiling.



Additionally the remaining asphalt shingles are beyond their service life and need replacement. It is not clear to what extent the sheathing and framing under those shingles has been damaged, as the attic space is not accessible.



- - Identified Asbestos-Containing Areas



○



○



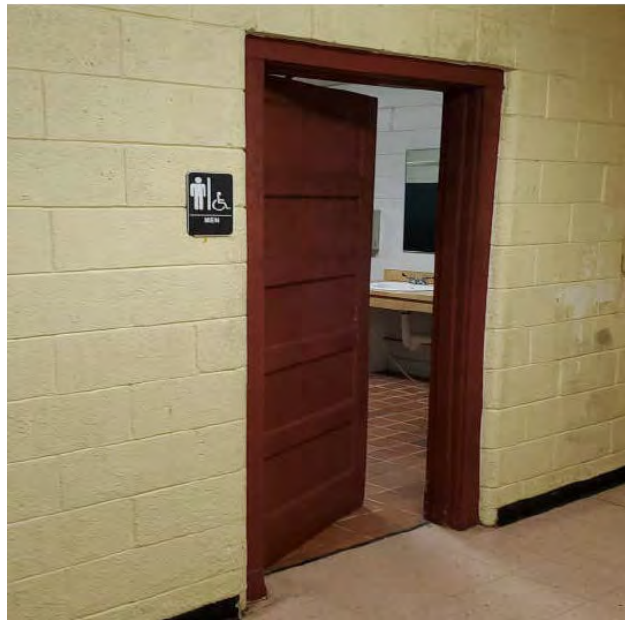
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○



-
- Lead-Paint Containing Areas





- Mold Areas



o





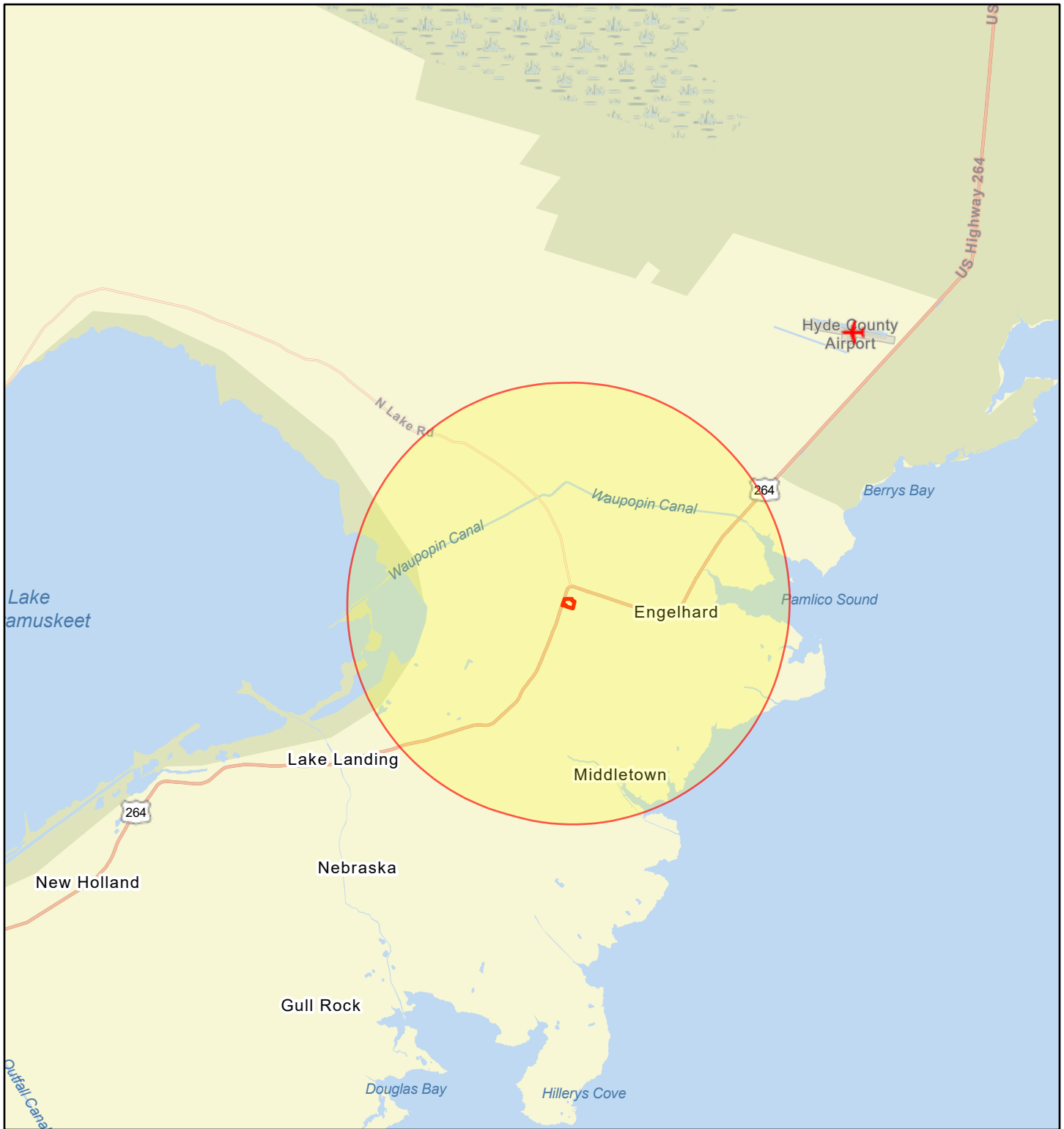
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ATTACHMENT 2:

**NEPAssist Airports Map
with 15,000-foot Buffer**

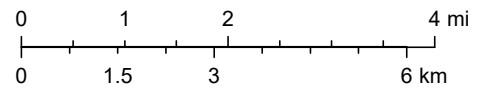
Davis Ventures Community Center - Airports Map (15,000-foot Buffer)



June 9, 2023

1:144,448

-  Project Buffer
-  Davis Ventures Community Center
-  Airport Points
-  Airport Polygons



State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, EPA OEI

ATTACHMENT 3:

USFWS CBRS Map and Certification



August 22, 2023

CBRS Units

- Otherwise Protected Area
- System Unit

This map is for general reference only. The Coastal Barrier Resources System (CBRS) boundaries depicted on this map are representations of the controlling CBRS boundaries, which are shown on the official maps, accessible at <https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps>. All CBRS related data should be used in accordance with the layer metadata found on the CBRS Mapper website.

The CBRS Buffer Zone represents the area immediately adjacent to the CBRS boundary where users are advised to contact the Service for an official determination (<https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation>) as to whether the property or project site is located "in" or "out" of the CBRS.

CBRS Units normally extend seaward out to the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward

Coastal Barrier Resources System Mapper Documentation



CBRS Units

- Otherwise Protected Area
- CBRS Buffer Zone
- System Unit
- 76.022248, 35.510563

0 65 130 260 390 ft
1:4,514

The pin location displayed on the map is a point selected by the user. Failure of the user to ensure that the pin location displayed on this map correctly corresponds with the user supplied address/location description below may result in an invalid federal flood insurance policy. **The U.S. Fish and Wildlife Service (Service) has not validated the pin location with respect to the user supplied address/location description below. The Service recommends that all pin locations be verified by federal agencies prior to use of this map for the provision or denial of federal funding or financial assistance.** Please note that a structure bisected by the Coastal Barrier Resources System (CBRS) boundary (i.e., both "partially in" and "partially out") is within the CBRS and therefore affected by CBRA's restrictions on federal flood insurance. A pin placed on a bisected structure must be placed on the portion of the structure within the unit (including any attached features such as a deck or stairs).

User Name: Andrea Gievers

User Organization: NCORR

User Supplied Address/Location Description: Davis Ventures Community Center, 33478 U.S. 264, Engelhard, Hyde County, NC 27824

Pin Location: Outside CBRS

Pin Flood Insurance Prohibition Date: N/A

Pin System Unit Establishment Date: N/A

The user placed pin location is not within the CBRS. The official CBRS maps are accessible at <https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps>.

The CBRS information is derived directly from the CBRS web service provided by the Service. This map was exported on 8/22/2023 and does not reflect changes or amendments subsequent to this date. The CBRS boundaries on this map may become superseded by new boundaries over time.

This map image may be void if one or more of the following map elements do not appear: basemap imagery, CBRS unit labels, prohibition date labels, legend, scale bar, map creation date. For additional information about flood insurance and the CBRS, visit: <https://www.fws.gov/node/263838>.



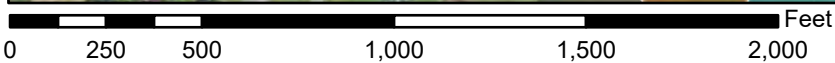
ATTACHMENT 4:

**FEMA FIRMettes with Parcel Boundary and
NFIP Community Status Book Report**

National Flood Hazard Layer FIRMMette



76°1'39"W 35°30'52"N



1:6,000

76°1'1"W 35°30'23"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		8 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **8/22/2023 at 7:37 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Davis Ventures Community Center - FEMA FIRM



June 9, 2023

Flood Hazard Zones

1% Annual Chance Flood Hazard

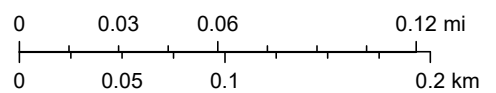
Regulatory Floodway

Special Floodway

Area of Undetermined Flood Hazard

0.2% Annual Chance Flood Hazard

1:4,514



Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar



Community Status Book Report

Communities Participating in the National Flood Program



NORTH CAROLINA

CID	Community Name	County	Init FHBM Identified	Init FIRM Identified	Curr Eff Map Date	Reg-Emer Date	Tribal	CRS Entry Date	Curr Eff Date	Curr Class	% Disc SFHA	% Disc Non SFHA
370283K	GRAHAM, CITY OF	ALAMANCE COUNTY	07/11/75	11/19/80	11/17/17	11/19/80	No					
370686#	GRANDFATHER VILLAGE, TOWN OF	AVERY COUNTY		12/02/08	12/03/09	07/15/10	No					
370414#	GRANITE FALLS, TOWN OF	CALDWELL COUNTY		08/16/88	07/07/09(M)	08/16/88	No					
370212#	GRANITE QUARRY, TOWN OF	ROWAN COUNTY	03/08/74	09/15/78	06/16/09	09/15/78	No					
370325J	GRANVILLE COUNTY*	GRANVILLE COUNTY	04/21/78	09/28/90	07/19/22	02/20/97	No					
370482K	GREEN LEVEL, TOWN OF	ALAMANCE COUNTY		12/22/98	11/17/17	08/13/07	No					
370378K	GREENE COUNTY *	GREENE COUNTY	12/02/77	01/06/83	06/20/18	06/12/95	No					
370655K	GREENEVERS, TOWN OF	DUPLIN COUNTY		02/16/06	(NSFHA)	08/13/08	No					
	NSFHA.											
375351#	GREENSBORO, CITY OF	GUILFORD COUNTY		04/16/71	03/16/09	04/16/71	No	05/01/09	05/01/09	8	10%	05%
370191K	GREENVILLE, CITY OF	PITT COUNTY	06/14/74	07/03/78	06/19/20	07/03/78	No	10/01/92	10/01/07	7	15%	05%
370192#	GRIFTON, TOWN OF	LENOIR COUNTY/PITT COUNTY	12/17/73	02/17/82	07/07/14	02/17/82	No	10/01/04	05/01/17	7	15%	05%
370535M	GRIMESLAND, TOWN OF	PITT COUNTY		01/02/04	06/19/20	01/02/04	No					
370572#	GROVER, TOWN OF	CLEVELAND COUNTY		02/20/08	07/02/08	09/16/19	No					
370111L	GUILFORD COUNTY *	GUILFORD COUNTY	01/17/75	06/04/80	11/17/17	06/04/80	No	10/01/93	10/01/18	7	15%	05%
370327K	HALIFAX COUNTY *	HALIFAX COUNTY	06/23/78	05/05/81	06/02/15	05/05/81	No					
370334#	HAMILTON, TOWN OF	MARTIN COUNTY	05/05/78	01/01/87	02/04/09	01/01/87	No					
370200#	HAMLET, CITY OF	RICHMOND COUNTY	12/14/73	07/02/87	09/03/08	07/02/87	No					
370328K	HARNETT COUNTY *	HARNETT COUNTY	08/18/78	04/16/90	07/19/22	04/16/90	No					
370038K	HARRISBURG, TOWN OF	CABARRUS COUNTY	04/12/74	11/02/94	11/16/18	06/30/76	No					
370680#	HASSELL, TOWN OF	MARTIN COUNTY		09/19/07	02/04/09	10/12/07	No					
370265K	HAVELOCK, CITY OF	Craven County	09/13/74	05/04/87	06/19/20	05/04/87	No	10/01/95	10/01/99	8	10%	05%
370003K	HAW RIVER, TOWN OF	ALAMANCE COUNTY	07/18/75	11/05/80	11/17/17	11/05/80	No					
370431#	HAYESVILLE, TOWN OF	CLAY COUNTY	07/21/81	11/19/08	05/04/09	12/11/08	No					
370120#	HAYWOOD COUNTY*	HAYWOOD COUNTY	06/23/78	07/15/84	04/03/12	07/15/84	No					
370683#	HEMBY BRIDGE, TOWN OF	UNION COUNTY		10/16/08	02/19/14	11/09/09	No					
370125#	HENDERSON COUNTY *	HENDERSON COUNTY	01/10/75	03/01/82	01/06/10	03/01/82	No					
370367K	HENDERSON, CITY OF	VANCE COUNTY	04/25/75	08/04/87	12/06/19	08/04/87	No					
370128#	HENDERSONVILLE, CITY OF	HENDERSON COUNTY	07/29/77	01/20/82	01/06/10	01/20/82	No					
370130K	HERTFORD COUNTY*	HERTFORD COUNTY	06/02/78	11/01/99	12/21/18	11/01/99	No					
370188K	HERTFORD, TOWN OF	PERQUIMANS COUNTY	02/15/74	07/03/85	12/21/18	07/03/85	No					
370054#	HICKORY, CITY OF	CALDWELL COUNTY/BURKE COUNTY/CATAWBA COUNTY	09/13/74	08/03/81	07/07/09	08/03/81	No					
370113#	HIGH POINT, CITY OF	RANDOLPH COUNTY/DAVIDSON COUNTY/GUILFORD COUNTY	06/28/74	11/01/79	06/16/09	11/01/79	No					
370405#	HIGH SHOALS, CITY OF	LINCOLN COUNTY/GASTON COUNTY	11/03/78	12/02/80	11/04/09	05/20/10	No					
370574#	HIGHLANDS, TOWN OF	MACON COUNTY/JACKSON COUNTY		05/04/09	04/19/10	10/28/09	No					
370519#	HILDEBRAN, TOWN OF	BURKE COUNTY		09/05/07	07/07/09	09/05/07	No					
370343F	HILLSBOROUGH, TOWN OF	ORANGE COUNTY	05/19/78	05/15/80	11/17/17	05/15/80	No					
370116#	HOBGOOD, TOWN OF	HALIFAX COUNTY	06/14/74	07/01/77	02/04/09	07/01/77	No					
370397#	HOKE COUNTY *	HOKE COUNTY	06/02/78	03/02/89	07/07/14	03/02/89	No					
375352K	HOLDEN BEACH, TOWN OF	BRUNSWICK COUNTY		05/26/72	08/28/18	05/26/72	No	10/01/91	04/01/22	7	15%	05%
370575K	HOLLY RIDGE, TOWN OF	ONslow COUNTY		11/03/05	06/02/21	07/08/08	No					
370403K	HOLLY SPRINGS, TOWN OF	WAKE COUNTY		03/03/92	07/19/22	12/23/94	No					
370326#	HOOKERTON, TOWN OF	GREENE COUNTY	09/26/75	01/20/82	04/16/13	11/24/99	No					
370312#	HOPE MILLS, TOWN OF	CUMBERLAND COUNTY	07/18/75	11/04/81	12/18/07	11/04/81	No					
370153#	HOT SPRINGS, TOWN OF	MADISON COUNTY	09/17/76	07/05/82	01/06/10	07/05/82	No					
370450#	HUDSON, TOWN OF	CALDWELL COUNTY		08/16/88	07/07/09	03/06/90	No					
370478F	HUNTERSVILLE, TOWN OF	MECKLENBURG COUNTY		02/04/04	11/16/18	02/04/04	No	10/01/20	10/01/20	5	25%	10%
370133L	HYDE COUNTY*	HYDE COUNTY	12/27/74	02/04/87	06/15/22	02/04/87	No	10/01/92	10/01/19	8	10%	05%
370433#	INDIAN BEACH, TOWN OF	CARTERET COUNTY		03/04/85	11/03/05	03/04/85	No					
370235#	INDIAN TRAIL, TOWN OF	UNION COUNTY	09/06/74	03/21/80	02/19/14	03/21/80	No					
370313K	IREDELL COUNTY *	IREDELL COUNTY	05/26/78	05/15/80	11/16/18	05/15/80	No					
370282#	JACKSON COUNTY *	JACKSON COUNTY	03/24/78	05/17/89	04/19/10	05/17/89	No					

ATTACHMENT 5:

**North Carolina Nonattainment/ Maintenance
Status for Each County by Year for All
Criteria Pollutants**



You are here: EPA Home > Green Book > >National Area and County-Level Multi-Pollutant Information >North Carolina Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

North Carolina Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Data is current as of August 31, 2023

Listed by County, NAAQS, Area. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 µg/m³) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:

NORTH CAROLINA

Hyde County is not listed below.

Important Notes

Download National Dataset: [dbf](#) | [xls](#) | [Data dictionary \(PDF\)](#)

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
NORTH CAROLINA								
Cabarrus County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	178,011	37/025
Cabarrus County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	176,928	37/025
Catawba County	PM-2.5 (1997)-NAAQS revoked	Hickory-Morganton-Lenoir, NC	050607080910	12/19/2011 *	Former Subpart 1	Whole	154,358	37/035
Chatham County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Part	32,372	37/037
Davidson County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Whole	162,878	37/057
Davidson County	PM-2.5 (1997)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	050607080910	12/19/2011 *	Former Subpart 1	Whole	162,878	37/057

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Davie County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Part	1	37/059
Durham County	1-Hour Ozone (1979)-NAAQS revoked	Raleigh-Durham, NC	9293	06/17/1994	Moderate	Whole	267,587	37/063
Durham County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	267,587	37/063
Durham County	Carbon Monoxide (1971)	Raleigh-Durham, NC	929394	09/18/1995	Moderate <= 12.7ppm	Whole	267,587	37/063
Edgecombe County	8-Hour Ozone (1997)-NAAQS revoked	Rocky Mount, NC	040506	01/05/2007	Former Subpart 1	Whole	56,552	37/065
Forsyth County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Whole	350,670	37/067
Forsyth County	Carbon Monoxide (1971)	Winston-Salem, NC	9293	11/07/1994	Moderate <= 12.7ppm	Whole	350,670	37/067
Franklin County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	60,619	37/069
Gaston County	1-Hour Ozone (1979)-NAAQS revoked	Charlotte-Gastonia, NC	929394	07/05/1995	Moderate	Whole	206,086	37/071
Gaston County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	206,086	37/071
Gaston County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	190,849	37/071

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Granville County	1-Hour Ozone (1979)-NAAQS revoked	Raleigh-Durham, NC	9293	06/17/1994	Moderate	Part	17,725	37/077
Granville County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	59,916	37/077
Guilford County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Whole	488,406	37/081
Guilford County	PM-2.5 (1997)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	050607080910	12/19/2011 *	Former Subpart 1	Whole	488,406	37/081
Haywood County	8-Hour Ozone (1997)-NAAQS revoked	Haywood and Swain Counties (Great Smoky NP), NC	040506070809	01/06/2010	Former Subpart 1	Part	985	37/087
Iredell County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Part	68,089	37/097
Iredell County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	65,899	37/097
Johnston County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	168,878	37/101
Lincoln County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	78,265	37/109
Lincoln County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	64,189	37/109

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Mecklenburg County	1-Hour Ozone (1979)-NAAQS revoked	Charlotte-Gastonia, NC	929394	07/05/1995	Moderate	Whole	919,628	37/119
Mecklenburg County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	919,628	37/119
Mecklenburg County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Whole	919,628	37/119
Mecklenburg County	Carbon Monoxide (1971)	Charlotte, NC	929394	09/18/1995	Not Classified	Whole	919,628	37/119
Nash County	8-Hour Ozone (1997)-NAAQS revoked	Rocky Mount, NC	040506	01/05/2007	Former Subpart 1	Whole	95,840	37/127
Orange County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	133,801	37/135
Person County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	39,464	37/145
Rowan County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	138,428	37/159
Rowan County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	130,057	37/159
Swain County	8-Hour Ozone (1997)-NAAQS revoked	Haywood and Swain Counties (Great Smoky NP), NC	040506070809	01/06/2010	Former Subpart 1	Part	3,288	37/173
Union County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	201,292	37/179

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Union County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	176,055	37/179
Wake County	1-Hour Ozone (1979)-NAAQS revoked	Raleigh-Durham, NC	9293	06/17/1994	Moderate	Whole	900,993	37/183
Wake County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	900,993	37/183
Wake County	Carbon Monoxide (1971)	Raleigh-Durham, NC	929394	09/18/1995	Moderate <= 12.7ppm	Whole	900,993	37/183

Important Notes

Discover.

Connect.

Ask.

Follow.

2023-08-31


ATTACHMENT 6:

**NC DCM Counties Map and List,
NCORR and NC DCM Correspondence,
and NCORR Telephone Conversation Record**



CAMA Counties

The following counties are subject to the rules and policies of the Coastal Resources Commission, which administers the Coastal Area Management Act. If you are planning to develop in one of these counties, check to see whether your project is also in an Area of Environmental Concern (<https://deq.nc.gov/about/divisions/coastal-management/coastal-management-rules/coastal-development-rules>). If it is, you may need a CAMA permit.

CAMA Counties		
<ul style="list-style-type: none"> • Beaufort • Bertie • Brunswick • Camden • Carteret • Chowan • Craven • Currituck • Dare • Gates 	<ul style="list-style-type: none"> • Hertford • Hyde • New Hanover • Onslow • Pamlico • Pasquotank • Pender • Perquimans • Tyrrell • Washington 	

Showing 1 to 1 of 1 entries

About Coastal Management

Gievers, Andrea

From: Govoni, Daniel
Sent: Thursday, April 20, 2023 8:16 AM
To: Gievers, Andrea
Subject: RE: NCORR Hyde County's Davis Ventures Community Center - Roof Replacement DCM2023016

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Andrea,

North Carolina's coastal zone management program consists of, but is not limited to, the Coastal Area Management Act, the State's Dredge and Fill Law, Chapter 7 of Title 15A of North Carolina's Administrative Code, and the land use plan of the County and/or local municipality in which the proposed project is located. It is the objective of the Division of Coastal Management (DCM) to manage the State's coastal resources to ensure that proposed federal actions would be compatible with safeguarding and perpetuating the biological, social, economic, and aesthetic values of the State's coastal waters.

DCM has reviewed the submitted information pursuant to the management objectives and enforceable policies of Subchapters 7H and 7M of Chapter 7 in Title 15A of the North Carolina Administrative Code and concurs that the proposed activity is consistent with North Carolina's approved coastal management program.

Prior to the initiation of the activities described, the applicant should obtain any other required State approvals or authorizations. Should the proposed action be modified further, a revised consistency determination could be necessary. This might take the form of either a supplemental consistency determination pursuant to 15 CFR 930.46, or a new consistency determination pursuant to 15 CFR 930.36. Likewise, if further project assessments reveal environmental effects not previously considered, a supplemental consistency certification may be required. If you have any questions, please contact me at (252) 808-2808. Thank you for your consideration of the North Carolina Coastal Management Program.

Daniel M. Govoni
Policy Analyst
Federal Consistency Coordinator
NC Division of Coastal Management
Department of Environmental Quality

252-515-5435
Daniel.Govoni@ncdenr.gov

400 Commerce Avenue
Morehead City, NC 28557

Email correspondence to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties.

From: Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>
Sent: Tuesday, February 14, 2023 1:40 PM
To: Govoni, Daniel <daniel.govoni@ncdenr.gov>
Subject: NCORR Hyde County's Davis Ventures Community Center - Roof Replacement

Hello Mr. Govoni:

NCORR is consulting with your office to confirm that the proposed project is consistent with North Carolina's approved coastal management program pursuant to the management objectives and enforceable policies of Subchapters 7H and 7M of Chapter 7 in Title 15A of the North Carolina Administrative Code. The North Carolina Office of Recovery and Resiliency (NCORR) as a recipient of Community Development Block Grant – Disaster Recovery (CDBG-DR) funds from the United States Department of Housing and Urban Development (HUD) is considering funding this proposed Infrastructure Recovery Program project, Hyde County's Davis Ventures Community Center, for improvements to repair and replace the roof. Additional federal funding from the Federal Emergency Management Agency (FEMA) will be used to upgrade the electrical and heating, ventilation, and air conditioning (HVAC) system of the structure. The roof of the community center failed under the heavy rains and high winds associated with Hurricane Matthew and the electrical boxes were damaged by water leaking into the building. The proposed project's activities do not meet the definition of "Development" under § 113A-103(5)(a).

The Davis Ventures Community Center was placed on the North Carolina Study List, NRHP Eligible, and Approved for NR by NRAC on 2/9/2023. The proposed project site is the former historic Davis School located at 33478 U.S. 264, Engelhard, Hyde County, North Carolina (**Attachment 1**). According to the Hyde County Tax Map, the County-owned parcel is over 8.6 acres with Parcel ID # R7-124 (**Attachment 1**). The subject building was originally constructed as a school for African-American students circa 1954 with additions constructed in 1963-64 (gymnasium) and 2007 (kitchen). The State of North Carolina was adversely impacted by the landfall of Hurricane Matthew (October 8, 2016). During Hurricane Matthew, the roof of the Davis Ventures Community Center was inundated with heavy rains and extreme winds that caused the roof to fail. Volunteers pumped the rainwater from the building. The Hyde County Building Inspector visited the site and issued a letter stating that the roof was damaged beyond repair. He also noted in the letter that water was leaking onto the electrical boxes, which posed a serious fire hazard and life safety hazard. Construction will involve replacement of the roof at the Davis Ventures Community Center and associated interior electrical and HVAC upgrades. No digging, earthwork, boring, or tunneling are anticipated to be necessary for the proposed project. No land or easement acquisition is proposed for this project. Due to the age of the structure, a qualified lead-based paint and asbestos contractor is required for survey and abatement in compliance with state and federal laws.

It is anticipated that the proposed project will benefit approximately 330 low- and moderate-income households in the Engelhard area. The Davis Ventures Corporation, a non-profit community development organization, under a lease arrangement with Hyde County, operates community services at the Subject Property. These services include, in the subject building, a community-use incubator kitchen and banquet facility along with the Davis Youth Recreation and Community Center. With the necessary repairs, the Davis Ventures Community Center would be able to continue to safely provide youth recreational activities; youth awareness programs; general education development (GED) classes; after-school programming; services to families dealing with behavioral, emotional and mental challenges; meeting space for response to needs after disasters, fitness center for all ages, including seniors; and a location for non-profit sponsored events.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Email correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties by an authorized state official.

Gievers, Andrea

From: Gievers, Andrea
Sent: Tuesday, February 14, 2023 1:40 PM
To: Govoni, Daniel
Subject: NCORR Hyde County's Davis Ventures Community Center - Roof Replacement
Attachments: Hyde Cty Davis Ventures Community Center.pdf

Hello Mr. Govoni:

NCORR is consulting with your office to confirm that the proposed project is consistent with North Carolina's approved coastal management program pursuant to the management objectives and enforceable policies of Subchapters 7H and 7M of Chapter 7 in Title 15A of the North Carolina Administrative Code. The North Carolina Office of Recovery and Resiliency (NCORR) as a recipient of Community Development Block Grant – Disaster Recovery (CDBG-DR) funds from the United States Department of Housing and Urban Development (HUD) is considering funding this proposed Infrastructure Recovery Program project, Hyde County's Davis Ventures Community Center, for improvements to repair and replace the roof. Additional federal funding from the Federal Emergency Management Agency (FEMA) will be used to upgrade the electrical and heating, ventilation, and air conditioning (HVAC) system of the structure. The roof of the community center failed under the heavy rains and high winds associated with Hurricane Matthew and the electrical boxes were damaged by water leaking into the building. The proposed project's activities do not meet the definition of "Development" under § 113A-103(5)(a).

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Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Hyde County Davis Ventures Community Center

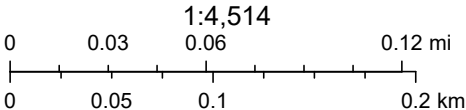
Proposed Project Location Maps

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center



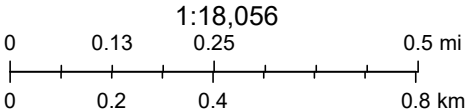
Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph,

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center



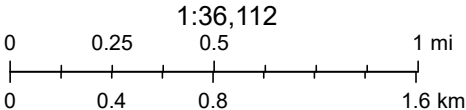
Esri Community Maps Contributors, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA,

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center



State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,

Hyde County Davis Ventures Community Center Project – Parcel Map

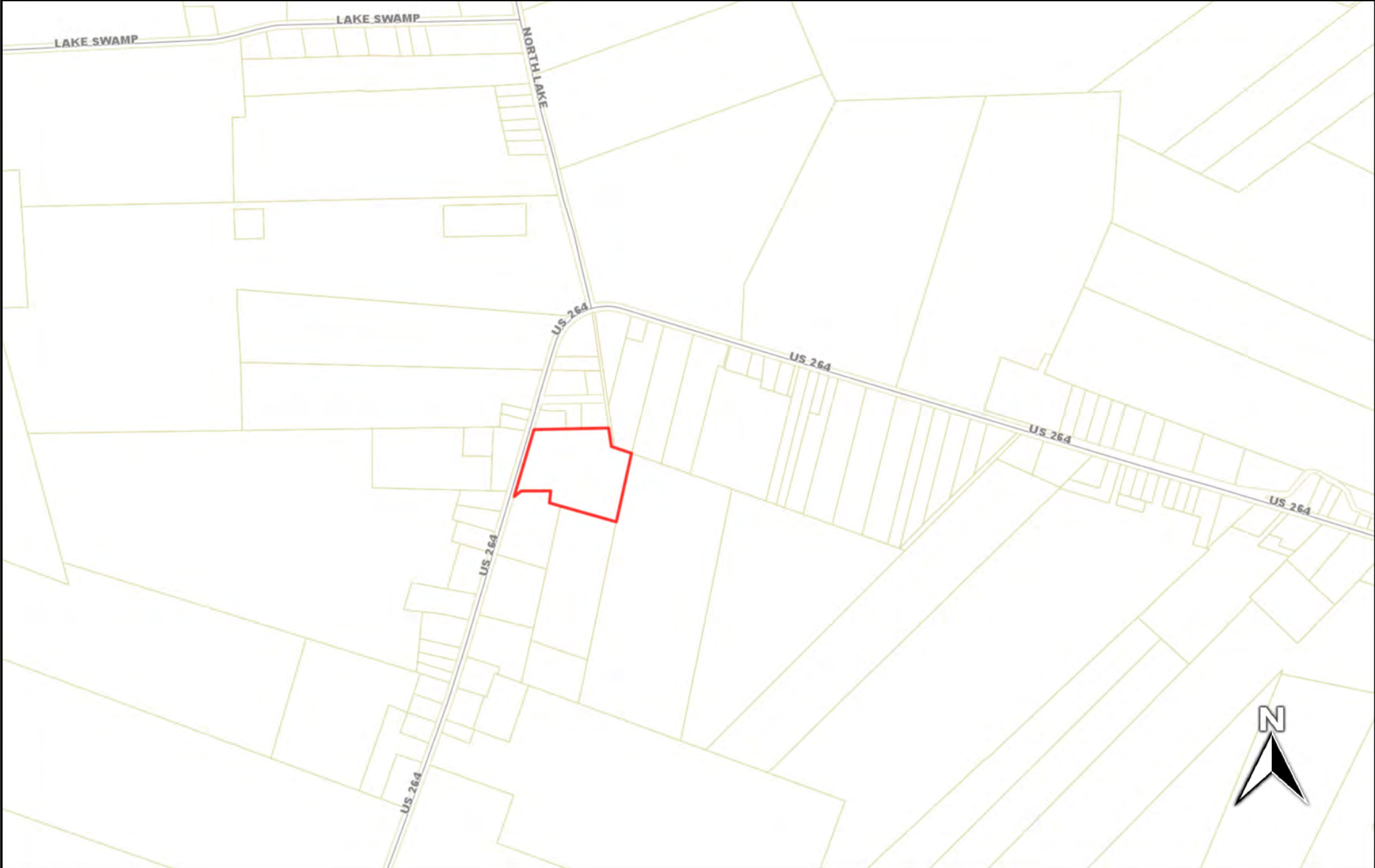


33478 U.S. 264, Engelhar

Basemap Imagery Draw Erase Save Session Tools More Data



Hyde County Davis Ventures Community Center Project



100 m
400 ft

Aug/10/2022
Scale 1:6626

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#

10

RECORD	CARD	PIN	MAP NUMBER
13444	1	8685-63-0956	R7 124

OWNER INFORMATION

HYDE COUNTY

PHYSICAL 911 ADDRESS

33480 US 264 HWY

DBA

LEGAL DESCRIPTION

LOT & BLDGS
DAVIS SCHOOL PROPERTY

NOTES



SALES INFORMATION

DATE	AMOUNT	CODE
------	--------	------

LEGAL INSTRUMENTS

DATE	TYPE	BOOK/PAGE
1/1/2000	D	174 104

TOTAL ACRES	RSMS	CSMS	C & D	% INT	HSQFT
8.662	1	0	100%	0%	18,200

LISTED	REVIEWED	REVISIT	APPEALS
TWT 10/14/2015	MR 1/11/2009		

BUILDING INFORMATION

CONSTRUCTION STYLE	EXEMPT	COND	ROOMS	BDRMS		
SPECIAL	Y	A				
YR BLT	EFF YR	REM YR	DEP %	DEPOVR	FUN OBS	ECO OBS
1950	1970		28%			

PLUMBING		FIREPLACES	
FXTURE	COUNT	TYPE	COUNT
3FXBTH	7		
XTRFIX	1		
		OPENINGS	

BUILDING PROPERTIES

FOUNDATION	ROOF TYPE/MATERIAL	WALL FINISH	FLOOR FINISH	FUEL TYPE
CONCRETE REINFLAT	TAR & GRVL	UNFINISHED PAINTD BLK	CONCRETE TILE	OIL

BUILDING BUILT INS, BASEMENTS, ATTICS & SUB SECTIONS

TYPE	GRADE	NOTES	QTY/SIZE	RPCN	% COMP

A.0 61 SR100U15R80U10R10U50L20U45L40D50L130D70.
B.0 56 U70R130U50R40D45SR85U50L85D50.

Total Built Ins, Plumbing & Fireplace Value **\$29,300**

PRINT DATE 4/11/2018
LAST SAVED 10/16/2015

BUILDING VALUE SUMMARY

RPCN	\$1,221,990
DEP 28%	\$879,833
RCLND	\$342,157
OB3 F/E	\$0
LCF 85%	\$290,834

BUILDING SECTIONS

SEC#	TYPE	GRADE	EXT FIN	HEAT	AIR	SHGT	SQFT	WHGT	E YEAR	RPCN	DEP	% COMP
A.0	61 TYPICAL OFFICE	C	BRKVR	C-HEAT	C-AIR	1.00	13,950	1	1970	\$829,362	28%	100%
B.0	56 GYMNASIUM	C	BRKVR	C-HEAT	C-AIR	1.00	4,250	30	1970	\$363,327	28%	100%

PARCEL SUMMARY

TOTAL BLDG VALUE	\$447,790
LAND VALUE	\$144,829
OBLDG VALUE	\$13,000
APPRAISED VALUE	\$605,619
DEFERRED VALUE	\$0

Building Replacement Cost New **\$1,221,990**

TAXABLE VALUE **\$605,618**



LAKE LANDING - REVAMP'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#

10

TOPO

STREET

LAND PROPERTIES

UTILITIES

ZONING

NBHD

TRACT

RECORD

CARD

PIN

MAP NUMBER

13444

1

8685-63-0956

R7 124

PAVED

WELL

3

3

0.0000

SEP SYS

ELECTR

LEVEL

OWNER INFORMATION

LAND NOTES

HYDE COUNTY

LAND

CLASS	METHOD	SIZE	DEPTH	BASE RATE	ADJ	ADJ RATE	SZ ADJ TBL	USE TYPE	USE VALUE	MARKET VALUE
2 PBLDG SITE	ACRE	8.662		\$22,000		\$16,720			\$144,829	\$144,829

Total Acres **8.66** \$ / Acre **\$16,720** Land Use Value **\$144,829** Land Value **\$144,829**

OUT BUILDINGS/OTHER IMPROVEMENTS

NUM	TYPE	GRADE	YEAR	COND	NOTES	STHGT	LENGTH X WIDTH	AREASZ	RATE	DEP	VALUE	% COMP
1.	96 FENCE/CH LK							SF			\$3,000	
2.1	97 ASPHALT	C		A		1	1 X 10030	10030 SF		0.60	\$5,000	100%
3.1	47 SHELTER				INCLUDES RESTROOMS			SF			\$5,000	

Total Parcel Out Building & Other Improvements Value **\$13,000**

PREVIOUS VALUES	PARCEL SUMMARY	
\$262,375	TOTAL BLDG VALUE	\$447,790
\$144,829	LAND VALUE	\$144,829
\$5,600	OBLDG VALUE	\$13,000
\$412,804	APPRAISED VALUE	\$605,619
\$0	DEFERRED VALUE	\$0
\$426,620	TAXABLE VALUE	\$605,618

LAKE LANDING - REVAL'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swain Quarter, NC 27885

ACCOUNT#

10

RECORD	CARD	PIN	MAP NUMBER
13444	2	8685-63-0956	R7 124

OWNER INFORMATION

HYDE COUNTY

PHYSICAL 911 ADDRESS

33480 US 264 HWY

DBA

LEGAL DESCRIPTION

LOT & BLDGS
DAVIS SCHOOL PROPERTY

NOTES

TOTAL ACRES	RSMS	CSMS	C & D	% INT	HSQFT
8.662	1	0	100%	0%	10,350

LISTED	REVIEWED	REVISIT	APPEALS
TWT 10/14/2015	MR 1/11/2009		

BUILDING INFORMATION

CONSTRUCTION STYLE	EXEMPT	COND	ROOMS	BDRMS		
SPECIAL	Y	A				
YR BLT	EFF YR	REM YR	DEP %	DEPOVR	FUN OBS	ECO OBS
1950	1970		28%			

BUILDING PROPERTIES

FOUNDATION	ROOF TYPE/MATERIAL	WALL FINISH	FLOOR FINISH	FUEL TYPE
CONCRETE REINFORCABLE	METAL	UNFINISHED PAINTD BLK	CONCRETE TILE	OIL

BUILDING BUILT INS, BASEMENTS, ATTICS & SUB SECTIONS

TYPE	GRADE	NOTES	QTY/SIZE	RPCN	% COMP
------	-------	-------	----------	------	--------

Total Built Ins, Plumbing & Fireplace Value **\$12,000**

BUILDING SECTIONS

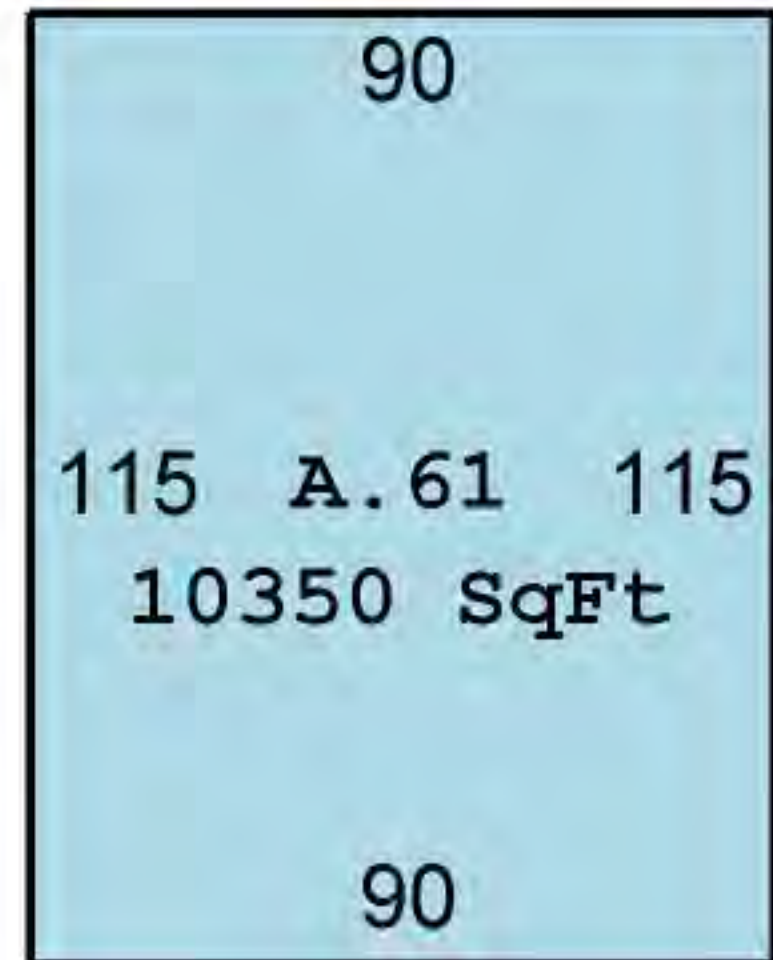
SEC#	TYPE	GRADE	EXT FIN	HEAT	AIR	SHGT	SQFT	W/HGT	E YEAR	RPCN	DEP	% COMP
A.0	61 TYPICAL OFFICE	C	BRKVR	C-HEAT	C-AIR	1.00	10,350	1	1970	\$615,333	28%	100%

PARCEL SUMMARY

TOTAL BLDG VALUE	\$447,790
LAND VALUE	\$144,829
OBLDG VALUE	\$13,000
APPRAISED VALUE	\$605,619
DEFERRED VALUE	\$0

TAXABLE VALUE **\$605,618**

Building Replacement Cost New **\$627,333**



A.0 61 SR90U115L90D115.

PRINT DATE	LAST SAVED
4/11/2018	10/16/2015

BUILDING VALUE SUMMARY

RPCN	\$627,333
DEP 28%	\$451,680
RCLND	\$175,653
OB3 F/E	\$0
LCF 85%	\$149,305

LAKE LANDING - REVAMP'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#		TOPO	STREET	LAND PROPERTIES		ZONING	NBHD	TRACT
10			PAVED	UTILITIES				
RECORD	CARD	PIN	MAP NUMBER	LEVEL	WELL	3	3	0.0000
13444	2	8685-63-0956	R7 124		SEP SYS			
					ELECTR			

OWNER INFORMATION			
HYDE COUNTY			

LAND NOTES	

LAND										
CLASS	METHOD	SIZE	DEPTH	BASE RATE	ADJ	ADJ RATE	SZ ADJ TBL	USE TYPE	USE VALUE	MARKET VALUE
Total Acres 8.66 \$ / Acre \$16,720 Land Use Value \$144,829 Land Value \$144,829										

OUT BUILDINGS / OTHER IMPROVEMENTS												
NUM	TYPE	GRADE	YEAR	COND	NOTES	STHGT	LENGTH X WIDTH	AREASIZE	RATE	DEP	VALUE	% COMP
Total Parcel Out Building & Other Improvements Value \$13,000												

PREVIOUS VALUES	PARCEL SUMMARY	
\$262,375	TOTAL BLDG VALUE	\$447,790
\$144,829	LAND VALUE	\$144,829
\$5,600	OBLDG VALUE	\$13,000
\$412,804	APPRAISED VALUE	\$605,619
\$0	DEFERRED VALUE	\$0
\$426,620	TAXABLE VALUE	\$605,618

LAKE LANDING - REVAL'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#

10

RECORD	CARD	PIN	MAP NUMBER
13444	3	8685-63-0956	R7 124

OWNER INFORMATION

HYDE COUNTY

PHYSICAL 911 ADDRESS

33480 US 264 HWY

DBA

LEGAL DESCRIPTION

LOT & BLDGS
DAVIS SCHOOL PROPERTY

NOTES

TOTAL ACRES	RSMS	CSMS	C & D	% INT	HSQFT
8.662	1	0	100%	0%	2,128

LISTED	REVIEWED	REVISIT	APPEALS
TWT 10/14/2015	MR 1/11/2009		

BUILDING INFORMATION

CONSTRUCTION STYLE	EXEMPT	COND	ROOMS	BDRMS		
DOUBLE WIDE	Y	A				
YR BLT	EFF YR	REM YR	DEP %	DEPOVR	FUN OBS	ECO OBS
1984	1984		12%			

BUILDING PROPERTIES

FOUNDATION	ROOF TYPE/MATERIAL	WALL FINISH	FLOOR FINISH	FUEL TYPE
BRICK	GABLE COMP SHGLS	PANEL	SOFTWOOD TITLE	GAS

BUILDING BUILT INS, BASEMENTS, ATTICS & SUB SECTIONS

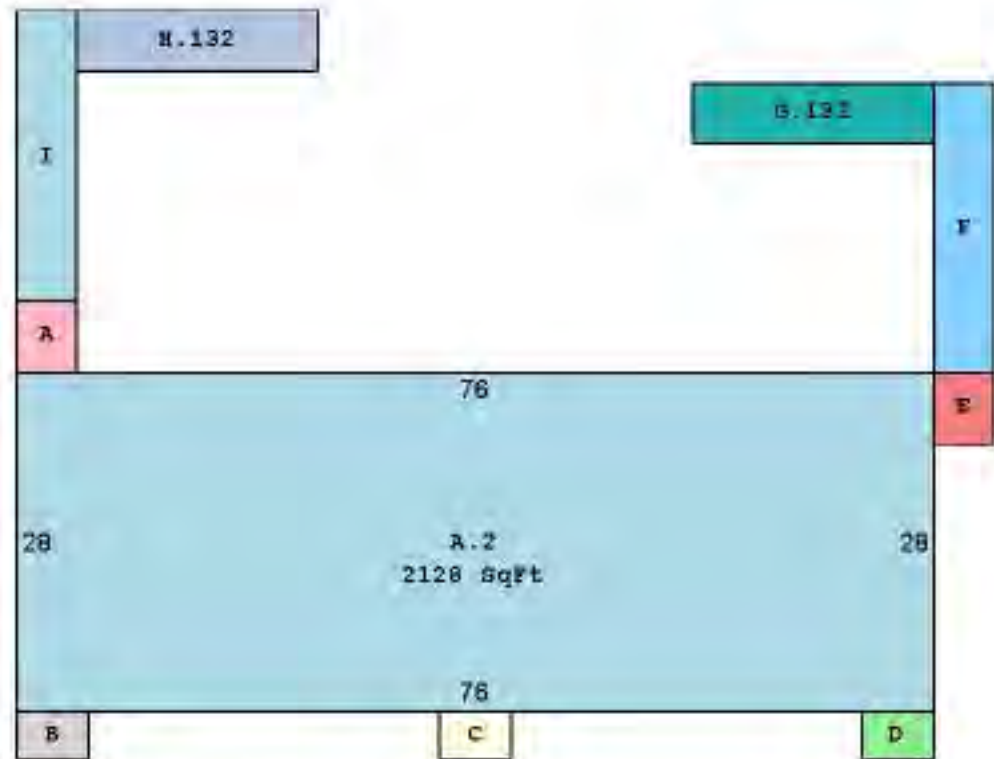
TYPE	GRADE	NOTES	QTY/SIZE	RPCN	% COMP

Total Built Ins, Plumbing & Fireplace Value **\$4,200**

BUILDING SECTIONS

SEC#	TYPE	GRADE	EXT FIN	HEAT	AIR	SHGT	SQFT	W/HGT	E YEAR	RPCN	DEP	% COMP
A.0	2MFH DW MOB HOME	D	SDOSH	C-HEAT	C-AIR	1.00	2,128	1	1984	\$65,452	12%	100%
B.0	112WOOD DECK	D				1.00	24	1	1984	\$201	12%	100%
C.0	112WOOD DECK	D				1.00	24	1	1984	\$201	12%	100%
D.0	112WOOD DECK	D				1.00	24	1	1984	\$201	12%	100%
E.0	112WOOD DECK	D				1.00	30	1	1984	\$251	12%	100%
F.0	132RAMP	D				1.00	120	1	1984	\$1,154	12%	100%
G.0	132RAMP	D				1.00	100	1	1984	\$962	12%	100%
H.0	132RAMP	D				1.00	100	1	1984	\$962	12%	100%
I.0	132RAMP	D				1.00	120	1	1984	\$1,154	12%	100%
A.0	112WOOD DECK	D				1.00	30	1	1984	\$251	12%	100%

Building Replacement Cost New **\$74,988**



- A.0 2 SR76U28L76D28.
- A.0 112 U28SR5U6L5D6.
- B.0 112 SD4R6U4L6.
- C.0 112 R35SD4R6U4L6.
- D.0 112 R70SD4R6U4L6.
- E.0 112 R76U22SR5U6L5D6.
- F.0 132 R76U28SR5U24L5D24.
- G.0 132 U28R76U19SU5L20D5R20.
- H.0 132 U58R5SD5R20U5L20.
- I.0 132 U34SR5U24L5D24.

PRINT DATE	LAST SAVED
4/11/2018	10/16/2015

BUILDING VALUE SUMMARY

RPCN	\$74,988
DEP 12%	\$65,990
RCLND	\$8,999
OBS F/E	\$0
LCF 85%	\$7,649

PARCEL SUMMARY

TOTAL BLDG VALUE	\$447,790
LAND VALUE	\$144,829
OBLDG VALUE	\$13,000
APPRAISED VALUE	\$605,619
DEFERRED VALUE	\$0

TAXABLE VALUE **\$605,618**

LAKE LANDING - REVAMP'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#

10

TOPO

STREET

LAND PROPERTIES

UTILITIES

ZONING

NBHD

TRACT

RECORD

CARD

PIN

MAP NUMBER

13444

3

8685-63-0956

R7 124

PAVED

WELL

3

3

0.0000

SEP SYS

ELECTR

LEVEL

OWNER INFORMATION

LAND NOTES

HYDE COUNTY

LAND

CLASS	METHOD	SIZE	DEPTH	BASE RATE	ADJ	ADJ RATE	SZ ADJ TBL	USE TYPE	USE VALUE	MARKET VALUE
Total Acres 8.66 \$ / Acre \$16,720 Land Use Value \$144,829 Land Value \$144,829										

OUT BUILDINGS / OTHER IMPROVEMENTS

NUM	TYPE	GRADE	YEAR	COND	NOTES	STHGT	LENGTH X WIDTH	AREASIZE	RATE	DEP	VALUE	% COMP
Total Parcel Out Building & Other Improvements Value \$13,000												

PREVIOUS VALUES	PARCEL SUMMARY	
\$262,375	TOTAL BLDG VALUE	\$447,790
\$144,829	LAND VALUE	\$144,829
\$5,600	OBLDG VALUE	\$13,000
\$412,804	APPRAISED VALUE	\$605,619
\$0	DEFERRED VALUE	\$0
\$426,620	TAXABLE VALUE	\$605,618

LAKE LANDING - REVAL'D 2017



North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

TELEPHONE CONVERSATION RECORD

PROJECT: Davis Ventures Community Center

DATE: August 4, 2023

TIME: 10:26 AM

PARTICIPANTS: Ms. Andrea Gievers, NCORR Environmental SME, and
Mr. Dan Govoni, NC DCM Federal Consistency Coordinator

CONTACT INFO: (252) 515-5435

RE: CZMA Compliance

Conversation Notes:

Ms. Gievers discussed the Davis Ventures Community Center project and minor scope changes with Mr. Govoni. Mr. Dan Govoni, NC DCM Federal Consistency Coordinator, said there is no need to resubmit the proposed project for review and that the proposed project is consistent with North Carolina's approved coastal zone management program.

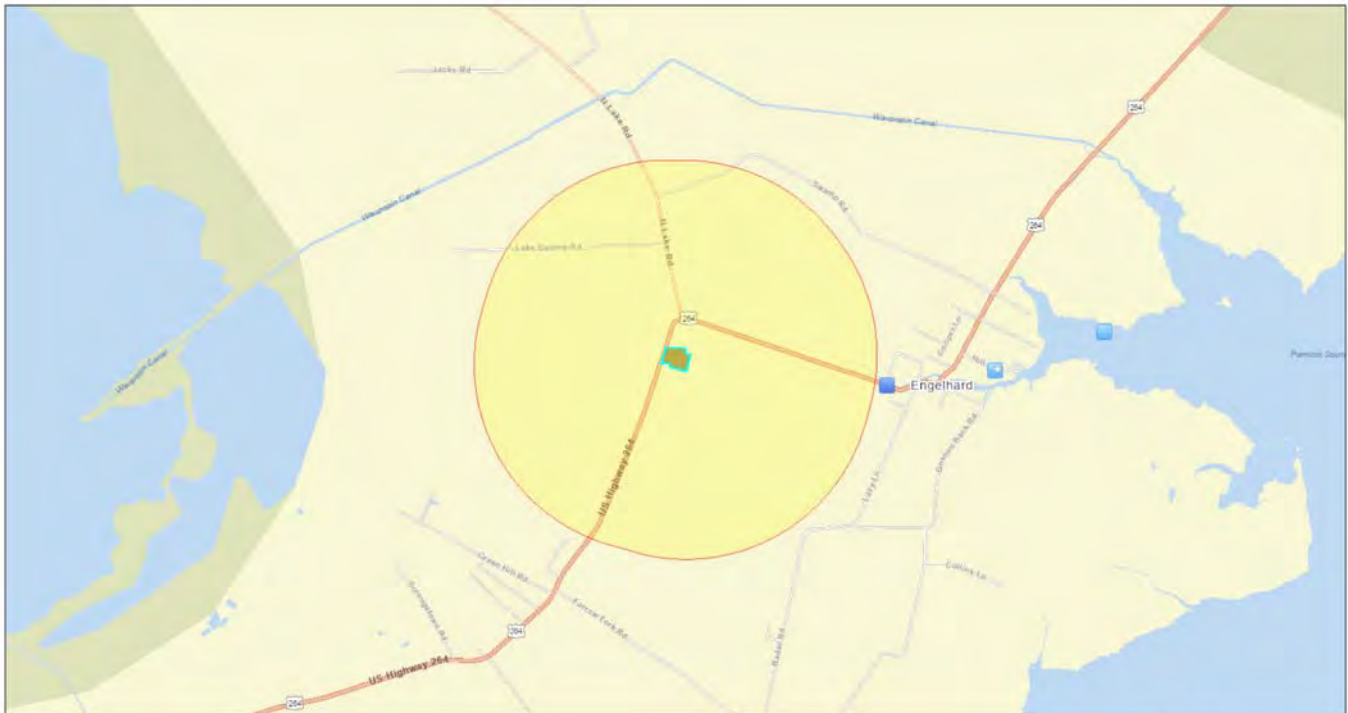
ATTACHMENT 7:

Contamination and Toxic Substances

NEP Assist EPA Facilities with 1-mile and 0.5-mile Buffers, NC DEQ DWM Site Locator Report with 1-mile Buffer, NC DEQ UST Incidents Database Screenshots, Site Visit Questionnaire, EPA NC Radon Zone Map, and Specifications for ACM Abatement and Mold Remediation with Hazardous Materials Assessment Report

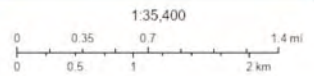
NEPAssist Report

Davis Ventures Community Ctr – 1-mile Buffer



August 3, 2023

- Davis Ventures Community Ctr – 1-mile Buffer
- Air Pollution (ICIS-AIR)
- Water Dischargers (NPDES)
- Project Buffer
- Water Dischargers (NPDES)
- davis ventures community center



State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc. METNIASA, USGS, EPA, NPS, US Census Bureau, USDA

Input Coordinates: 35.509971,-76.023713,35.511236,-76.023255,35.511222,-76.021458,35.510805,-76.021359,35.510695,-76.020946,35.509416,-76.021341,35.509811,-76.022895,35.510066,-76.022895,35.510044,-76.023587,35.509971,-76.023713

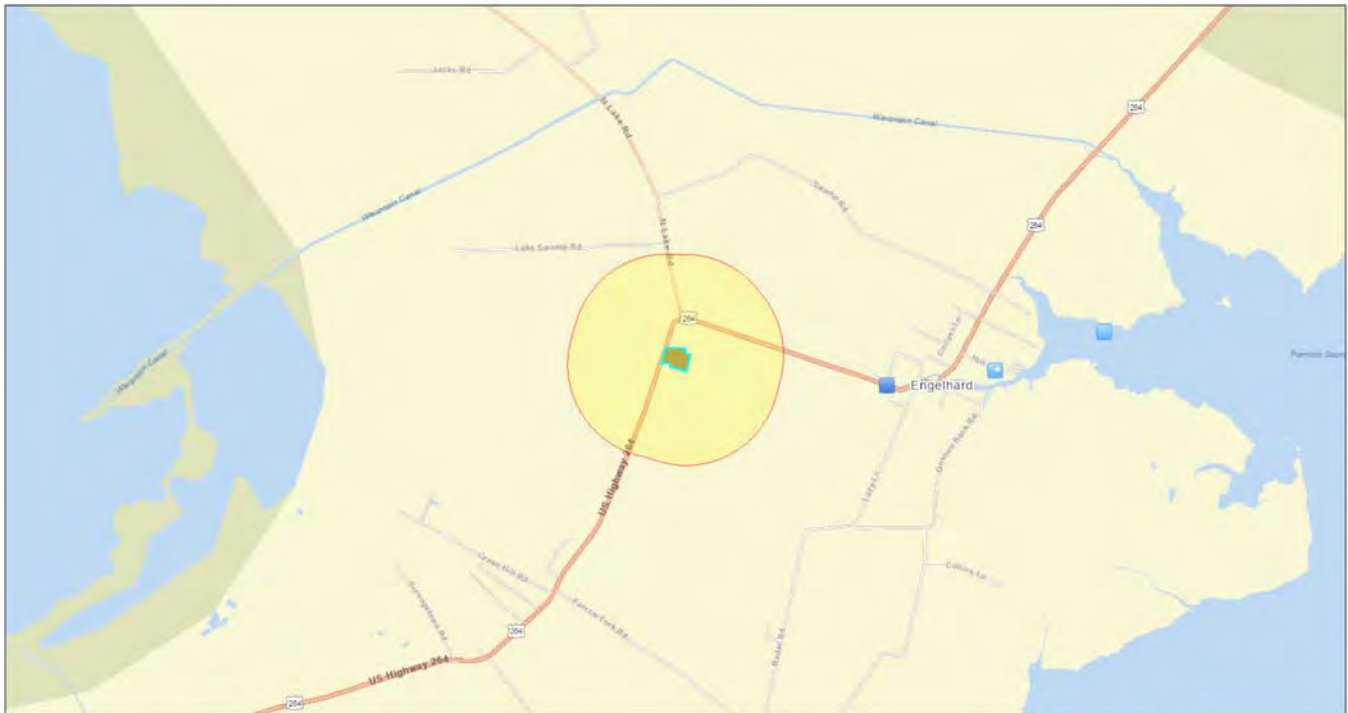
Project Area	0.01 sq mi
Within 1 mile of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a Federal Land?	no
Within 1 mile of an impaired stream?	no
Within 1 mile of an impaired waterbody?	no
Within 1 mile of a waterbody?	no
Within 1 mile of a stream?	yes
Within 1 mile of an NWI wetland?	Available Online
Within 1 mile of a Brownfields site?	no
Within 1 mile of a Superfund site?	no
Within 1 mile of a Toxic Release Inventory (TRI) site?	no
Within 1 mile of a water discharger (NPDES)?	no

Within 1 mile of a hazardous waste (RCRA) facility?	no
Within 1 mile of an air emission facility?	no
Within 1 mile of a school?	yes
Within 1 mile of an airport?	no
Within 1 mile of a hospital?	no
Within 1 mile of a designated sole source aquifer?	no
Within 1 mile of a historic property on the National Register of Historic Places?	yes
Within 1 mile of a Toxic Substances Control Act (TSCA) site?	no
Within 1 mile of a Land Cession Boundary?	no
Within 1 mile of a tribal area (lower 48 states)?	no
Within 1 mile of the service area of a mitigation or conservation bank?	no
Within 1 mile of the service area of an In-Lieu-Fee Program?	yes
Within 1 mile of a Public Property Boundary of the Formerly Used Defense Sites?	no
Within 1 mile of a Munitions Response Site?	no
Within 1 mile of an Essential Fish Habitat (EFH)?	no
Within 1 mile of a Habitat Area of Particular Concern (HAPC)?	no
Within 1 mile of an EFH Area Protected from Fishing (EFHA)?	yes
Within 1 mile of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 1 mile of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 1 mile of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

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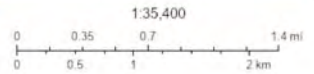
NEPAssist Report

Davis Ventures Community Ctr – 0.5-mile Buffer



August 3, 2023

- Davis Ventures Community Ctr – 0.5-mile Buffer
- Air Pollution (ICIS-AIR)
- Water Dischargers (NPDES)
- Project Buffer
- davis ventures community center



State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc. METNIASA, USGS, EPA, NPS, US Census Bureau, USCA

Input Coordinates: 35.509971,-76.023713,35.511236,-76.023255,35.511222,-76.021458,35.510805,-76.021359,35.510695,-76.020946,35.509416,-76.021341,35.509811,-76.022895,35.510066,-76.022895,35.510044,-76.023587,35.509971,-76.023713

Project Area	0.01 sq mi
Within 0.5 miles of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
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Within 0.5 miles of an impaired stream?	no
Within 0.5 miles of an impaired waterbody?	no
Within 0.5 miles of a waterbody?	no
Within 0.5 miles of a stream?	no
Within 0.5 miles of an NWI wetland?	Available Online
Within 0.5 miles of a Brownfields site?	no
Within 0.5 miles of a Superfund site?	no
Within 0.5 miles of a Toxic Release Inventory (TRI) site?	no
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Within 0.5 miles of a hazardous waste (RCRA) facility?	no
Within 0.5 miles of an air emission facility?	no
Within 0.5 miles of a school?	yes
Within 0.5 miles of an airport?	no
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Within 0.5 miles of a historic property on the National Register of Historic Places?	no
Within 0.5 miles of a Toxic Substances Control Act (TSCA) site?	no
Within 0.5 miles of a Land Cession Boundary?	no
Within 0.5 miles of a tribal area (lower 48 states)?	no
Within 0.5 miles of the service area of a mitigation or conservation bank?	no
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Within 0.5 miles of a Public Property Boundary of the Formerly Used Defense Sites?	no
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Within 0.5 miles of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 0.5 miles of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

Created on: 8/3/2023 12:00:05 PM



Davis Ventures Community Center Screening Report - 1-mile Radius

Area of Interest (AOI) Information

Area : 87,513,003.29 ft²

Aug 2 2023 14:00:39 Central Daylight Time



Non-UST Incidents

#	IncidentNumber	IncidentName	Count
1	87866	EFI FAR CREEK BULK FACILITY	1
2	88201	HYDE COUNTY HEAD START	1

87866 & 88201 Screenshots

From: Edwards, Jared (jared.edwards@deq.nc.gov)

To: environlaw@yahoo.com

Date: Tuesday, August 22, 2023 at 10:18 AM EDT

Per our discussion:

87866

Data Entry Screens - Incidents Only

General Info Activity RP Info Comments Reports

Record Status: **Emergency Response**
PFAS
Other Than Petroleum

UST# INCIDENT# FACILID

INC NAME:

ADDRESS

CITY: ZIP CODE:

COUNTY: REGION: MGR:

LATITUDE HMS: LONGITUDE HMS:

LAT DEC: LONG DEC:

Accuracy: Acc Ref: Acc Res:

DISCOVERED: GLOBE OUT: ConfRisk: Risk:

REPORTED:

Release Type: Source: Comm: Contamination: Supply Well:

Product Type: Reg: GW MTBE: Well MTBE:

Record: 1 of 1 Filtered Search

Data Entry Screens - Incidents Only

General Info Activity RP Info Comments Reports

Enter Comments Here:

MTBE detected in two temporary monitor wells on-site at concentrations below 2L Standard (5.4 and 54 ug/L). Assessment was not directed by APS - no NDV issued. Letter stating that we would require soil assessment before incident could be closed.

Records: 1 of 1 Filtered Search

88201

Data Entry Screens - Incidents Only

General Info Activity RP Info Comments Reports

Record Status: Emergency Response

UST# INCIDENT# FACIL ID

INC NAME: PFAS

ADDRESS Other Than Petroleum

CITY: ZIP CODE:

COUNTY: REGION MGR

LATITUDE HMS: LONGITUDE HMS:

LAT DEC: LONG DEC:

Accuracy Acc Ref: Acc Res:

DISCOVERED: CLOSE OUT ConfRisk: Risk:

REPORTED:

Release Type Source Comm Contamination: Supply Well

Product Type Reg GW MTBE: Well MTBE:

Record: 1 of 1 Search

Data Entry Screens - Incidents Only

General Info Activity RP Info Comments Reports

Enter Comments Here:

PETROLEUM CONSTITUENTS LESS THAN 2L; TRIHALOMETHANES GREATER THAN 2L; COVER OF FILE INDICATES THAT THE SITE IS HOOKED UP TO PUBLIC WATER 2/12/92

Record: 1 of 1 Filtered Search



Jared M. Edwards, LG
 Environmental Program Consultant, Washington Regional Office
 Division of Waste Management - UST Section
 North Carolina Department of Environment Quality
 Phone: 252.948.3949
jared.edwards@deq.nc.gov
 Email correspondence to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties

E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties.

Email correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties by an authorized state official.



INFRASTRUCTURE NEPA REVIEW QUESTIONNAIRE & SITE VISIT

Project Name: Roof Replacement Davis Ventures Community Center, Engelhard
Address(es): 33478 US Highway 264 East, Engelhard, North Carolina 27824
HUD Program: Hurricane Matthew Recovery
HUD Funding Amount: \$525,000.00
Non-HUD Program: FEMA
Non-HUD Funding Amount: \$266,028.50
Non-HUD Funding Source: \$0.00
Non-HUD Funding Amount: \$0.00
Non-HUD Funding Source: \$0.00
Non-HUD Funding Amount: \$0.00
Project Description: Repair/Replacement of roof and interior sections of the former Engelhard School Property to restore use as critical community center.
State/Local Identifier: NC

Type of Facility	<input checked="" type="checkbox"/> Public owned: Hyde County, North Carolina <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Residential
Land Use Type and # Units (check all that apply)	<input type="checkbox"/> Single Family Residential <input type="checkbox"/> Multi-family Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Public services: Community Center <input type="checkbox"/> Vacant, list previous use:
Names of Non-residential Tenants on the Property and # Units (Companies, Organizations, Public Services, Vacant and if for lease, etc.)	Davis Ventures (Non-Profit)
Project Type (check all that apply)	<input type="checkbox"/> Acquisition of Property <input type="checkbox"/> Demolition <input type="checkbox"/> New Construction <input checked="" type="checkbox"/> Rehabilitation of Existing (Roofing & Interior) <input type="checkbox"/> Expansion of Existing <input type="checkbox"/> Replacement of Existing <input type="checkbox"/> Relocation <input type="checkbox"/> Leasing <input type="checkbox"/> Machinery and Equipment (tools) <input type="checkbox"/> Other, explain:
Other Non-HUD Funding will be Used for this Project	<input checked="" type="checkbox"/> Yes, list source(s) and amount: FEMA; \$266,028.50

	<input type="checkbox"/> No
Reason/Need for Project	Restoration of critical community services in an LMI Area
Project Location and Project Plans	Attach site plans, if available. Plans are: <input checked="" type="checkbox"/> Pending (Hazardous Materials, Phase I Study of Conditions) <input type="checkbox"/> Preliminary <input type="checkbox"/> 30% or other %: ____ <input type="checkbox"/> Final <input type="checkbox"/> If no plans are available, draw on tax maps (to be provided.) Please verify correct parcels and street addresses identified on tax maps.
Square Footage of Project	18,200 SqFt
Soil Disturbance from Project	<input type="checkbox"/> Yes, cause and depth ____ <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
Site Inspections and/or Site Photographs	<input checked="" type="checkbox"/> Yes, please attach. <input type="checkbox"/> Pending <input type="checkbox"/> No
Past Use of Site	<input type="checkbox"/> Used as a dump, sanitary landfill or mine waste disposal area? Past use as Public School and subsequently, Community Center
Environmental Inspections (Check all that apply. Identify if completed or pending and attach, if available. Include if previously done for site)	<input type="checkbox"/> None <input type="checkbox"/> Phase I ESA <input type="checkbox"/> Phase 2 ESA/Limited Site or Remedial Investigation (soils test) <input type="checkbox"/> Phase 3 ESA <input type="checkbox"/> Vapor Testing <input type="checkbox"/> Phase I Archeological Survey <input checked="" type="checkbox"/> Asbestos Inspection <input checked="" type="checkbox"/> Lead Inspection <input type="checkbox"/> Noise Assessment <input type="checkbox"/> Traffic Study <input type="checkbox"/> H&H Study <input checked="" type="checkbox"/> Other: Mold Inspection
Historic Properties	<input checked="" type="checkbox"/> Year Structure Built: 1950 <input type="checkbox"/> Year Developed <input type="checkbox"/> Identified Historical Building or Property (onsite or adjacent?) No
Aboveground (AST) or Underground (UST) Storage Tanks Onsite, adjacent or proposed?	<input type="checkbox"/> Yes, type and gallons, if known <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown <input type="checkbox"/> Offsite, if known
Other Hazardous Materials used onsite (Large Quantity Chemicals, Fuels, etc.)	List, if known: None

Permits Required for Project (Identify Type, Status and attach if available)	<input checked="" type="checkbox"/> Yes, list type and status (Asbestos, Lead, and Mold Remediation) <input type="checkbox"/> No <input type="checkbox"/> Unknown/TBD
If New Construction, connecting to existing utilities (sewer and water), energy efficient	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, explain: Building already connected to utilities
Parks Located Nearby	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
Transportation at the Site (note if adding/upgrading/using existing)	<input checked="" type="checkbox"/> Sidewalks <input type="checkbox"/> Bike Paths <input type="checkbox"/> Bus Access <input type="checkbox"/> Train Access
Agency Consults already completed? Previous NEPA review completed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
Other adjacent properties owned by same Subrecipient?	<input type="checkbox"/> Yes, and Addresses: <input checked="" type="checkbox"/> No
Other projects on site or adjacent property by Subrecipient not included in Project Description/ Environmental Review?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
Private or Non-HUD funds committed before NEPA done? (Choice Limiting Action)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown

Site Suitability, Access, and Compatibility with Surrounding Development

for recording impacts considered under Item 26 of HUD-Form 4128

Project Name	Investigator(s)	Site Visit Date
Roof Replacement Davis Ventures Community Center, Engelhard	B. Blankenship	02/17/2021

ZONING

Is the project in compliance or conformance with local zoning?

Yes No (explain) _____
 Not applicable (explain) _____

SITE OBSERVATIONS

Soil Stability, Erosion, and Drainage

Describe slope at project site (Steep, Moderate, Slight, Level):

Level – 0% Grade

***Check** those features that were observed on or adjacent to the property at the time of the visit.

Natural Hazards			
	Faults, fractures		Slope-failures from rains
	Cliffs, bluffs, crevices		Hazardous terrain features
	Evidence of slope erosion		High water table
	Unstable slope conditions		Other (Specify):

Check all items that apply:

Wetlands Onsite or Adjacent			
	Drainage ways		Marsh, bogs, swamps
	Streams, Rivers		Ponds
	Coastline		Lake

Explain Wetlands onsite or adjacent below:			
None Observed			
Toxic Chemicals and Contamination Onsite or Adjacent			
	Distressed Vegetation		Abandoned Machinery, Cars, etc.
	Oil/Chemical Spill(s)		Transformers
	Soil Staining, Pools of Liquid		Fill Vent Pipes, Pipelines
	Fire hazard materials		Railroad Terminal or Crossing
	Hazards in vacant lots		Other hazardous chemical storage
X	AST and/or UST (<i>Below</i>)		Loose /Empty Barrels
	Quarries or other excavations		Dumps/sanitary landfills or mining
	Unsightly land uses		Inadequate screened drainage catchments
	Gas, smoke, fumes		Odors
	High pressure gas or liquid petroleum transmission lines on site	X	Other (Specify)
Explain Toxic Chemical and Contamination onsite or adjacent below:			
Asbestos, Lead, and Mold Present on Site			
Aboveground Fuel Tank (3) – Propane Fuel			

Above Ground Storage Tanks

Are any above ground storage tanks visible from the site?

Yes No

If yes, are these tanks 100-gallons or larger?

Yes No

List Visible Tanks				
Tank Location	Tank Contents	Tank Size	Flammable? (Yes or No)	Pressurized? (Yes or No)
Adjacent to Gymnasium/Kitchen Facility	Propane/LNG	200 ga.	Yes	Yes
S. Gymnasium Location	Propane/LNG	200 ga.	Yes	Yes
N. Center Bldg.	Propane/LNG	200 ga.	Yes	Yes

Proposed mitigation strategies (concrete pad, barrier, etc.) in siting of any tanks?
No hazard identified associated with tanks

Underground Storage Tanks

List visible tanks				
Tank Location	Tank Contents	Tank Size	Flammable? (Yes or No)	Pressurized? (Yes or No)
None Observed				

B. Blankenship

02/17/2021

Lead Investigator's Signature

Date



SPECIFICATIONS
for
ASBESTOS-CONTAINING MATERIAL ABATEMENT
and
MOLD REMEDIATION
at
DAVIS VENTURES COMMUNITY CENTER
33478 US HIGHWAY 64 EAST
ENGELHARD, NORTH CAROLINA

AEC Project #23150

Designed and Prepared For:
INTREPID Architecture
114 East 3rd Street
Greenville, North Carolina 27858
(252) 270-5330

Designed and Prepared By:
Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, North Carolina 28802
(828) 508-3812

Submitted: July 10, 2023
Designer: Mike G. Cook, CIEC
NC Accreditation No.: 40433



A handwritten signature in black ink, appearing to read "Mike G. Cook", is written over a horizontal line.

TABLE OF CONTENTS

ASBESTOS ABATEMENT TECHNICAL SPECIFICATIONS

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01503 Temporary Facilities	01503-1
01513 Negative Pressure System	01513-1
01526 Work Area Preparation	01526-1
01560 Worker Protection	01560-1
01562 Respiratory Protection	01562-1
01563 Decontamination Units	01563-1
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01714 Work Area Clearance	01714-1
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02080 Asbestos Removal	02080-1
02084 Disposal of Asbestos-Containing Waste Material	02084-1

MOLD REMEDIATION TECHNICAL SPECIFICATIONS	Section
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Execution	1.2
Criteria For Final Inspection and Work Area Clearance	1.3

APPENDICES

Appendix A Pework Asbestos Inspection Checklist	Appendix A
Appendix B Decontamination Unit Area Arrangement.....	Appendix B
Appendix C Asbestos Abatement Drawing.....	Appendix C
Appendix D Mold Remediation Drawing	Appendix D
Appendix E Hazardous Materials Survey Report	Appendix E

ASBESTOS ABATEMENT TECHNICAL SPECIFICATIONS

SECTION - 01043

PROJECT COORDINATION

1.01 GENERAL

- A. All asbestos abatement contractors will be licensed general contractors in either the specialty interior, building, unclassified or asbestos categories by the North Carolina Licensing Board of General Contractors and limited for the bid amount.
- B. The contractor shall be responsible for inspecting the site prior to bidding to confirm the scope of the work. Any quantities listed by the designer in the plans, specifications or survey are done so as approximations. The actual quantities of asbestos-containing material to be encountered are the responsibility of the contractor.
- C. The contractor shall furnish and is responsible for all costs including, but not limited to: permit fees, containment preparation, labor, materials, services, insurance, bonding, and equipment necessary to carry out the abatement operations and disposal of all asbestos material in accordance with the plans and specifications, the EPA and OSHA regulations, and any applicable state and local government regulations.
- D. The contractor/employer has and assumes the responsibility of proceeding in such a manner that he offers his employees a workplace free of recognized hazards causing or likely to cause death or serious injury. The contractor shall be responsible for performing this abatement and disposal so that airborne asbestos fiber levels do not exceed established levels.
- E. The contractor will be responsible for all costs associated with employee monitoring to meet the OSHA requirements.
- F. The contractor is responsible for all costs, including additional visits, should the designer and/or the industrial hygiene firm determine that the contractor failed a final inspection. Notification and scheduling of the final inspection during the project is the responsibility of the contractor. The contractor will allow a minimum notice of 48 hours unless a different time frame is agreed upon by the designer and the contractor.

1.02 PERSONNEL

A. Supervisor

1. All supervisors shall be accredited by the Health Hazards Control Unit (HHCU).
2. All supervisors on the project shall have two years experience in the administration and supervision of asbestos abatement projects including work practices, protective measures for building and personnel, disposal procedures, etc.
3. One supervisor shall be provided for every 10 workers inside the containment. A minimum of one supervisor shall be provided per project.
4. The contractor shall have at least one employee on the job site in either a foreman or supervisor's position who is bilingual in the appropriate languages when employing workers who do not speak fluent English.
5. A minimum of one supervisor per company shall have attended a 24-hour respiratory protection course.

B. Worker

1. All workers shall be accredited by the HHCU.

C. Competent Person

1. A competent person, as defined in the OSHA asbestos standard 29 CFR 1926.1101, employed by the contractor must be outside the work area at all times to monitor activity, ensure containment security, provide information to visitors, and provide access to the work area.

D. Employees

1. The contractor is responsible for the behavior of workers within his employment. If at any time during the contracted work, any of his employees are judged to exhibit behavior unfitting for the area or judged to be a nuisance by the owner or designer, the contractor shall remove them immediately from the project.
2. The contractor shall be responsible for compliance with the following concerning employee behavior:

- a. Under no circumstances are alcohol, drugs or any other type of controlled substances permitted on state property.
 - b. All workers are restricted to the construction project site only.
 - c. All vehicles must be parked in areas prearranged with the owner.
 - d. All workers must conform to the following basic dress code when in public areas of the project confines: long pants, shirts, no tank tops, no shorts, no bare backs.
 - e. The contractor is responsible for disposal of all trash brought on state property by his employees, including drink cans, bottles or other food containers and wrappers.
3. Failure to adhere to these rules could result in criminal prosecution and/or removal from the State property.

1.03 MEETINGS

A. Pre-bid

A pre-bid conference will be held only for the General Contract. All contractors submitting a bid are encouraged to attend, visit the site and ask questions concerning the plans and specifications. The designer will review the plans and specifications, present required techniques and safeguards for the removal of the asbestos and identify locations of water, electrical sources, etc. Any minutes, new points or clarifications raised during the meeting will be issued by the designer in an addendum prior to bids.

1.04 PRE-JOB SUBMITTALS

- A. Submit pre-job submittals to the owner at least 10 days prior to start of work. Work is prohibited until submittal package has been reviewed and approved by designer. A copy of the approved submittals shall be kept in a three-ring binder (project log) by the contractor at the project site in the clean room or in the on-site office of the contractor.
1. Notifications: Provide copies of Asbestos Permit Application and Notification for Demolition/Renovation (DEHNR 3768), which provide written notice to all required agencies, including North Carolina HHCU. Provide notification letters to local EMS, fire and police departments.

2. Employee List: Provide copies of lists of supervisors and workers, along with their accreditation and Social Security numbers, to be utilized on the project.
3. Permits: Provide copies of approval of a waste disposal site in compliance with 40 CFR 61.154.
4. Medical: Include individually signed and notarized forms by each worker to be utilized on the project documenting that each is actively involved in a company employee medical surveillance program.
5. Initial Exposure Assessment as required by OSHA 29 CFR 1926.1101.
6. Respirator Training: Copies of most recent fit testing records, individually signed, for each worker to be utilized on the project.
7. Any other programs or training as outlined by the OSHA and EPA standards.
8. A copy of the license of the electrician to be used on the project.
9. A copy of personnel air monitoring from previous asbestos abatement projects.

1.05 POST-JOB SUBMITTALS

- A. Submit post-job submittals to the owner following the final completion of the work. Requests for final payment will not be approved until the submittal package has been reviewed and approved by the designer.
 1. Affidavits: Contractor's affidavit of payment of debts and claims, affidavit of release of liens, and consent of Surety Company to final payment.
 2. Manifest: North Carolina Asbestos Waste Shipment Record (DEHNR 3787) receipt from landfill operator which acknowledges the contractor's delivery(s) of waste material. Include date, quantity of material delivered and signature of authorized representative of landfill. Also, include name of waste transporter.
 3. Daily Log: A notarized copy of all daily logs showing the following: name, date, entering and leaving time, company or agency represented, reason for entry for all persons entering the work area, employee's daily air monitoring data as required by the OSHA standard and written comments by inspectors, industrial hygienists, designers and visitors.

4. Medical: Copies of worker release forms, asbestos training certification forms and respirator training documentation of all new employees hired during the project.
5. Special Reports: All documents generated under Section 01043.1.06.

1.06 SPECIAL REPORTS

- A. General: Except as otherwise indicated, submit special reports to designer within one day of occurrence requiring special report, with copies to others affected by occurrence. Also keep a copy in the project logbook.
- B. Reporting Unusual Events: When an event of unusual and significant nature occurs at site (examples: failure of negative pressure system, rupture of temporary enclosures), prepare and submit a special report to the designer immediately, listing chain of events, persons participating, response by contractor's personnel, evaluation of results or effects, and similar pertinent information. When such events are known or predictable in advance, advise designer in advance at earliest possible date.

1.07 CONTINGENCY PLAN

- A. Contingency Plan: Prepare a contingency plan for emergencies including fire, accident, power failure, negative pressure system failure, supplied air system failure (if applicable), evacuation of injured persons for both life threatening and non-life threatening, or any other event that may require modification or abridgment of decontamination or work area isolation procedures. Include in plan specific procedures for decontamination or work area isolation. Note that nothing in this specification should impede safe exiting or providing of adequate medical attention in the event of an emergency. Keep these plans in the on-site office.
- B. Post outside/in clean room of Personnel Decontamination Unit:
 1. Telephone numbers and locations of emergency services including but not limited to, fire, ambulance, doctor, hospital, police, power company, telephone company and the North Carolina HHCU.
 2. A copy of Material Safety Data Sheets (MSDS) for any chemicals used during the asbestos project.
 3. The contractor shall post asbestos signs in each appropriate language as per the OSHA 29 CFR 1926.1101 standard.

SECTION 01092

CODES AND REGULATIONS

1.01 REFERENCE SPECIFICATIONS

The contractor shall assume full responsibility and liability for compliance with all applicable federal, state and local regulations pertaining to work practices, hauling, disposal, and protection of workers, visitors to the site, and persons occupying areas adjacent to the site.

Unless modified by these project specifications, all specifications for stripping, removal, repair and disposal work shall conform to the following specifications and standards, as applicable, as if completely reproduced herein.

- A. The following regulations published by the Environmental Protection Agency (EPA):
 - 1. "National Emissions Standards for Hazardous Air Pollutants Asbestos," 40 CFR Part 61, Subpart M.
 - 2. "General Provisions," 40 CFR Part 61, Subpart A.
 - 3. "Guidance for Controlling Asbestos-Containing Materials in Buildings" June 1985. (EPA # 560/5-85-024).
 - 4. "Asbestos-Containing Materials in Schools," 40 CFR Part 763, Subpart E including appendices.

- B. The following regulations published by the U.S. Department of Labor, OSHA:
 - 1. "Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules," Title 29, Part 1910, Section 1001 and Part 1926, Section 1101 of the Code of Federal Regulations.
 - 2. "Respiratory Protection," Title 29, Part 1910, Section 134 of the Code of Federal Regulations.
 - 3. Construction Industry, Title 29, Part 1926, of the Code of Federal Regulations.
 - 4. "Access to Employee Exposure and Medical Records," Title 29, Part 1910, Section 20 of the Code of Federal Regulations.

5. "Hazard Communication," Title 29, Part 1926, Section 59 of the Code of Federal Regulations.
 6. "Specifications for Accident Prevention Signs and Tags," Title 29, Part 1910, Section 145 of the Code of Federal Regulations.
- C. The following regulations published by North Carolina state agencies:
1. North Carolina Asbestos Hazard Management Program Rules as adopted by 15A NCAC 19C .0600.
 2. "North Carolina Occupational Safety and Health Standards for the Construction Industry," 29 CFR Part 1926 as adopted by T13 NCAC 07F .0201, and shipyard T13:07F.0500.
 3. North Carolina General Statutes, Chapter 95, 97, 130.
- D. The following documents published by the American National Standards Institute:
1. "Fundamentals Governing the Design and Operation of Local Exhaust Systems," Z9.2-1979.
 2. "American National Standard for Respiratory Protection Respiratory Use - Physical Qualifications for Personnel," Z88.6-1984.
 3. "Practices for Respiratory Protection," Z88.2-1992.

1.02 NOTICES

- A. The contractor shall notify the following offices in writing within the time frame specified by the NESHAP regulations prior to beginning any asbestos removal operations.
1. State Agencies

NC DHHS Health Hazards Control Unit
Occupational & Environmental Epidemiology Branch
1912 Mail Service Center
Raleigh, N.C. 27699-1912
Telephone: (919) 707-5950

N.C. Department of Labor
Division of Occupational Safety and Health
4 West Edenton Street

Raleigh, N.C. 27603
Mail: 1101 Mail Service Center
Raleigh, N.C. 27699-1101
Telephone: 1-800-LABOR-NC

2. Local Programs

When work is performed in Buncombe, Mecklenburg, or Forsyth counties, the air quality programs in these counties must be notified and their regulations shall be adhered to. Addresses of these agencies can be found on page 3 of DEHNR (3768) form. Phone numbers are listed below.

Buncombe County	(828) 250-6776
Forsyth County	(336) 703-2440
Mecklenburg County	(704) 336-5430

3. Emergency Departments

Notify the local emergency medical services, police and fire departments in writing of the type and scope of work being performed and request these departments make an inspection prior to beginning the work.

4. Licenses

Maintain current licenses for contractor and accreditation for workers and supervisors as required by applicable State or local jurisdictions for the removal, transporting, disposal or other regulated activity relative to the work of this contract.

5. A courtesy notification for any amount of asbestos, regulated or non-regulated, to be removed shall be sent to the HHCU 10 working days prior to the start date of the asbestos removal.

SECTION 01410

AIR MONITORING - INDUSTRIAL HYGIENE FIRM

1.01 GENERAL

- A. The owner shall be responsible for the coordination and contracting of an industrial hygiene firm. The owner will pay for the services of the industrial hygiene firm.
- B. Air monitoring shall be done under the direct supervision of a North Carolina accredited supervising air monitor (SAM), except for sampling performed by the contractor to satisfy OSHA requirements.
- C. SAM shall be accredited per the Asbestos Hazard Management Program rules.
- D. Air monitor shall be accredited as per the Asbestos Hazard Management Program rules and work under the direct supervision of a SAM.
- E. The industrial hygiene firm shall submit copies of their N.C. accreditations and documentation on respiratory protection training to the designer prior to the award of the contract.
- F. If specific project activities are assigned to an air monitor, the SAM is expected to be in direct control and responsible for industrial hygiene work completed on the project. The SAM shall approve and sign all air monitoring results performed by the air monitor. The SAM signature must be an original. No rubber stamp signature shall be accepted.
- G. Employees of the HHCU shall have right of entry into the project. The HHCU's SAM shall have final authority over the industrial hygiene firm on the project.

1.02 DESCRIPTION OF WORK

- A. The industrial hygiene firm shall offer expertise to the designer and contractor, but is not directly responsible for the performance of the job.
- B. At the job site, the industrial hygiene firm is expected to observe, be aware, and comment on general work site conditions and activities as they relate to the specifications and profession of industrial hygiene, and make recommendations in writing to the designer and contractor.

- C. The industrial hygiene firm is responsible for overseeing the protection of the environment from contamination, protection of persons in adjacent areas, and assurance that the areas are acceptable for occupancy.
- D. The industrial hygiene firm has the authority to direct the contractor relative to safety and environmental concerns. This includes stopping the work if necessary. All directions and comments made by the industrial hygiene firm to the contractor shall be written with a copy to the designer.
- E. The industrial hygiene firm shall furnish the contractor a copy of his field report within 24 hours of the visit. Copies of field notes and reports of observations shall be kept in project logbook.
- F. The SAM shall review and make comments to the designer on the submittals listed in Section 01043.
- G. The SAM shall approve any change in contractor's respiratory protection. This includes a review of the historical data.
- H. The industrial hygiene firm is to conform to the contractor's schedule and shall respond to necessary changes provided an advance notice is given as outlined in Section 01043.
- I. The industrial hygiene firm's project monitor shall furnish designer and contractor with a pager or mobile phone number where he can be reached quickly at all times.
- J. The industrial hygiene firm shall notify the designer and contractor, in writing, of any failed clearance visits.
- K. At the completion of the project, the industrial hygiene firm shall prepare a report describing the assessment of the project, all air monitoring data, acceptance letters, calibration records, and a description of the project as it proceeded to completion and submit four copies of the report to the designer.

1.03 AIR MONITORING

- A. Ambient Air Monitoring: The purpose of ambient air monitoring by the industrial hygiene firm will be to detect discrepancies in the work area isolation such as:
 - 1. Contamination of the building outside of the work area with airborne asbestos fibers.
 - 2. Failure of filtration or rupture in the negative pressure system.

3. Confirm the work practices established by the contractor and respiratory protection provided for employees are adequate.

- B. Work Area Airborne Fiber Levels: The owner's industrial hygiene firm will monitor airborne fiber levels in the work area. The purpose of this air monitoring will be to detect airborne fiber levels which may challenge the ability of the work area isolation procedures to protect the balance of the building or outside of the building from contamination by airborne fibers.

- C. Work Area Clearance: To determine if the elevated airborne fiber levels encountered during abatement operations have been reduced to an acceptable level, the industrial hygiene firm will sample and analyze air per Section 01714.

- D. In accordance with AHMB Program Rules, the SAM shall develop an Abatement Project Monitoring Plan which complies with EPA and OSHA analytical criteria and will provide a valid representation of airborne fiber concentrations both inside and outside the work area. This program is not intended to satisfy the contractor's requirement for sampling under the OSHA regulation. All personnel and area sampling conducted by the industrial hygiene firm shall be personally observed. Air sampling pumps shall not be left unattended for extended periods of time.
 1. The SAM shall submit a written project-monitoring plan to the designer with a copy to the contractor. The following information shall be required for the submittal.
 - a. The name, address, and telephone number of the industrial hygiene firm.
 - b. The name, address, telephone number and NIOSH's PAT designation and proficiency data for the laboratory analyzing the air samples. Analysis of all samples collected shall be by a laboratory currently proficient in NIOSH's "Proficiency Analytical Testing Program for Laboratory Quality Control" for asbestos. The acceptable sampling and analysis method is NIOSH 7400, latest revision.

Persons performing phase contrast microscopy analysis at the asbestos removal location shall be proficient in the American Industrial Hygiene Association's Asbestos Analyst Registry Program [AAR].
 - c. A proposed air sampling strategy which shall include: a projected number of air samples, locations, the types of air samples to be collected (personal, area, ambient), how the air samples are to be collected (TWA, ceiling, other), the equipment to be used (pumps,

calibration equipment, filters, other), and how the samples will be transported to the laboratory.

1. All personal air samples will be collected in such a manner as to comply with OSHA collection and analytical regulations and to provide a valid representation of airborne fiber levels. The samples collected by the industrial hygiene firm on personnel do not satisfy the contractor's responsibility under OSHA.
 2. All final area air sampling will comply with all State and Federal requirements in measuring airborne asbestos following an abatement action.
 3. Air samples will be analyzed and results made available as per the AHMB Program Rules. Copies of all air-sampling results shall be signed by the SAM and a copy posted at the job site. These copies shall include the following: sample number, sample location, activity represented by sample, flow rate, sample time, comments and sample results. A statement will be included on each submission that the requirements of this contract have been met as they apply to the activities of the SAM.
 4. If TWA samples are being collected by the contractor for the purpose of reducing respiratory protection requirements, the industrial hygiene firm shall directly observe the conditions and work practices represented by each sample and make appropriate notes in the bound book on site. The SAM shall review all TWA air-sampling results which are used for reducing respiratory protection requirements before accepting the results.
- E. Supplemental air monitoring may be conducted inside and outside the work area by the HHCU. This supplemental sampling does not fulfill air-monitoring responsibilities required by OSHA, EPA or this contract.
- F. Daily air samples shall be read on site by a North Carolina Accredited Air Monitor rated as proficient in the AAR Program.

SECTION 01503

TEMPORARY FACILITIES

1.01 GENERAL

- A. Provide temporary connection to existing building utilities or provide temporary facilities as required herein or as necessary to carry out the work.
- B. Use qualified tradesmen for installation of temporary services and facilities. Locate, modify and extend temporary services and facilities where they will serve the project adequately and result in minimum interference with the performance of the work.

1.02 WATER SERVICE

- A. Owner shall supply a source of water. Contractor bears all expense of heating and getting water to the work and decontamination areas.
- B. Supply hot and cold water to the decontamination unit in accordance with Section 01563. Hot water shall be supplied at a minimum temperature of 100 degrees Fahrenheit.
- C. After completion of use, connections and fittings shall be removed without damage or alteration to existing water piping and equipment.

1.03 ELECTRICAL SERVICE

- A. General: Comply with applicable NEMA, NEC and UL standards and governing state and local regulations for materials and layout of temporary electric service.
- B. Ground Fault Protection: Provide receptacle outlets equipped with ground fault circuit interrupters, reset button and pilot light, for plug-in connection of power tools and equipment.
- C. Provide a weatherproof, grounded temporary electric power service and distribution system of sufficient size, capacity and power characteristics to accommodate performance of work during the construction period.
- D. Install temporary lighting adequate to provide sufficient illumination for safe work and traffic conditions in every area of work.
- E. Provide services of an electrician, on a standby basis, to service electrical needs during the abatement process.

- F. Provide additional power service and distribution service, consisting of individual dedicated 15 amp 120 volt circuits to electrical drops with receptacle outlets equipped with ground fault interrupt protection, color coded for the exclusive use of the industrial hygiene firm.

1.04 FIRST AID

- A. A minimum of one first-aid kit shall be located in the clean room. Additional first aid kits as the contractor feels is adequate or is required by law shall be located throughout the work area.

1.05 FIRE EXTINGUISHERS

- A. Comply with the applicable recommendations of NFPA Standard 10 - "Standard for Portable Fire Extinguishers." Locate fire extinguishers where they are most convenient and effective for their intended purpose, but provide not less than one extinguisher in each work area equipment room and one in the clean room of the personnel decontamination unit.

1.06 TOILET FACILITIES

- A. Provide temporary toilet facilities to be used by contractor's employees unless the owner agrees in writing to provide the contractor with onsite toilet facilities.

1.07 PARKING

- A. Park only in areas designated by the owner.

1.08 BUILDING SECURITY

- A. Maintain personnel on-site at all times any portion of the work areas are open or not properly secured. Secure work areas completely at the end of each day.

1.09 STORAGE

- A. Supply temporary storage required for storage of equipment and materials for duration of project. Trailer and storage dumpsters will be maintained in areas designated by the owner.

SECTION 01513

NEGATIVE PRESSURE SYSTEM

1.01 GENERAL

- A. High efficiency particulate air (HEPA) filter exhaust systems equipped with new HEPA filters for each project shall be used. Exhaust equipment and systems shall comply with ANSI Z9.2-79 and used according to manufacturer's recommendations.
- B. A system of HEPA-equipped air filtration devices shall be configured so that a pressure differential is established between the work area and the surrounding area (-0.02 to -0.04" water column). A continuous chart-recorded manometer shall be used to confirm this condition.
- C. Additional air filtration devices shall be provided inside the work area for emergency standby as well as for circulation of dead air spaces.
- D. The pressure differential is maintained at all times after preparation is complete and until the final visual inspection and air tests confirm the area is clean and acceptable for occupancy and the designer confirms verbally with written follow-up to discontinue the use of the negative pressure system.
- E. Air shall be exhausted outside. Any variations must be approved by the HHCU.
- F. The contractor shall check daily for leaks and log his checks in the bound logbook. This includes checks internal to air-moving devices.
- G. There shall be a minimum of four air changes per hour in any containment.

SECTION 01526

WORK AREA PREPARATION

1.01 GENERAL

- A. Before work begins in an area, a decontamination unit must be in operation as outlined in Section 01563. The decontamination unit shall insure that the abatement work area is completely isolated from other parts of the building.
- B. Temporary facilities shall be addressed as outlined in Section 01503.
- C. The contractor shall wet up a work area, load out, and decontamination area as shown in the plans and specifications. Any variations must be approved by the designer. The decontamination facility outside of the work area shall consist of a change room, shower room, and equipment room as described in Section 01563.
- D. The contractor shall wet clean and/or HEPA vacuum all items and equipment in the work area suspected of being contaminated with asbestos, but not in direct contact with the asbestos material and either secure these items in place with polyethylene sheeting or have them removed from the work area.
- E. Critical Barriers: The contractor shall thoroughly seal the work area for the duration of the work. The sealant materials used shall have appropriate fire ratings.
- F. The floors will have two layers of 6-mil (minimum) polyethylene plastic sheeting with joints overlapped 24 inches and taped securely. Plastic shall be carried up walls a minimum of 12 inches and secured.
- G. The walls will have one layer of 4-mil (minimum) polyethylene plastic sheeting with joints lapped 24 inches and taped securely. Plastic shall be lapped over floor coverings and taped securely.
- H. Floors and walls shall be installed in such a manner that they may be removed independently of the critical barriers.
- I. Entrances and exits from the work area will have triple barriers of polyethylene plastic sheeting so that the work area is always closed off by one barrier when workers enter or exit.
- J. No water may be left standing on the floor at the end of the workday.

- K. The contractor shall establish and mark emergency and fire exits from the work area. Emergency procedures shall have priority over established decontamination entry and exit procedures. Audible and visible fire and emergency evacuation alarms shall be installed so as to be heard and seen throughout the entire work area.
- L. Integrity of these seals shall be regularly checked and maintained by the contractor.
- M. After work area preparation, the contractor shall notify the designer verbally with written follow-up that he is ready for a prework inspection.
- N. The Contractor shall take all necessary measures to prevent damage of the interior surfaces inside and outside the work area. The Contractor shall be responsible for any and all damages inside or outside the work area caused by the asbestos abatement operations including water damage, contamination, construction of the containment, or any other activity.

SECTION 01560

WORKER PROTECTION

1.01 GENERAL

- A. Provide worker protection as required by OSHA, state and local standards applicable to the work. Contractor is solely responsible for enforcing worker protection requirements at least equal to those specified in this Section.
- B. Each time the work area is entered the contractor shall require all persons to remove all street clothes in the changing room of the personnel decontamination unit and put on new disposable coverall, new head cover, and a clean respirator. Proceed through shower room to equipment room and put on work boots.
- C. Workers shall not eat, drink, smoke, chew gum or chew tobacco in the work area, the equipment room, the load out area, or the cleanroom.

1.02 WORKER TRAINING

- A. Train all workers in accordance with 29 CFR 1926 and North Carolina state regulations regarding the dangers inherent in handling asbestos, breathing asbestos dust, proper work procedures and personal and area protective measures.

1.03 MEDICAL EXAMINATIONS

- A. Provide medical examinations for all workers. Examination shall as a minimum meet OSHA requirements as set forth in 29 CFR 1926 and N.C. Workmen's Compensation Act Dusty Trades Examination Record (DEHNR Form 2796).

1.04 PROTECTIVE CLOTHING

- A. Provide disposable full-body coveralls and disposable head covers, and require that they be worn by all workers in the work area. Provide a sufficient number for all required changes, for all workers in the work area.
- B. Boots: Provide work boots with non-skid soles and, where required by OSHA, foot protection for all workers.
- C. Gloves: Provide work gloves to all workers and require that they be worn at the appropriate times. Do not remove gloves from work area. Dispose of work gloves as asbestos-contaminated waste at the completion of the project.

1.05 ADDITIONAL PROTECTIVE EQUIPMENT

- A. If required, powered air purifying respirators (PAPR's) with replaceable HEPA filters, disposable coveralls, head covers and footwear covers shall be provided by the contractor for the owner, the designer, Industrial hygiene firm and other authorized representatives who may inspect the job site.

1.06 DECONTAMINATION PROCEDURES

- A. Require that all workers use the following decontamination procedure as a minimum requirement whenever leaving the work area:
1. Remove disposable coveralls, disposable head covers, and disposable footwear covers or boots in the equipment room.
 2. Still wearing respirators, proceed to showers. Showering is mandatory. Care must be taken to follow reasonable procedures in removing the respirator to avoid asbestos fibers while showering. The following procedure is required as a minimum:
 - a. Thoroughly wet body including hair and face.
 - b. With respirator still in place thoroughly wash body, hair, respirator face piece, and all exterior parts of the respirator.
 - c. Take a deep breath, hold it and/or exhale slowly, completely wet hair, face and respirator. While still holding breath, remove respirator and hold it away from face before starting to breathe.
 - d. Carefully wash face piece of respirator inside and out.
 - e. Shower completely with soap and water; rinse thoroughly.
 - f. Rinse shower room walls and floor prior to exit.
 - g. Proceed from shower to changing (clean) room and change into street clothes or new disposable work items.
 3. After showering, each employee shall inspect, clean and repair his respirator as needed. The respirator shall be dried, placed in a suitable storage bag and properly stored.

SECTION 01562

RESPIRATORY PROTECTION

1.01 DESCRIPTION OF WORK

- A. Instruct and train each worker involved in asbestos abatement in proper respirator use and require that each worker always wear a respirator, properly fitted on the face, in the work area from the start of any operation which may cause airborne asbestos fibers until the work area is completely decontaminated. Use respiratory protection appropriate for the fiber level encountered in the workplace or as required for other toxic or oxygen-deficient situations encountered.

1.02 GENERAL

- A. Provide workers with personally issued and marked respiratory equipment approved by NIOSH and MSHA and suitable for the asbestos exposure level in the work areas according to OSHA Standard 29 CFR 1926.1101 and other possible contaminants employees might be exposed to during the project.
- B. Provide respiratory protection from the time the first operation involved in the project requires contact with asbestos-containing materials (including construction of decontamination units, construction of airtight barriers/barricades, and placing of plastic sheeting on walls) until acceptance of final air clearance test results by the industrial hygiene firm.
- C. The minimum respiratory protection for the project shall be half-face negative pressure respirator with replaceable HEPA filters. The contractor must supply workers with a powered air-purifying respirators (PAPR) if requested by the worker.
- D. Respirator fit testing shall be performed as a minimum at the beginning of the project, at any change in respiratory protection equipment, and at any time during the project if requested by the employee or SAM. Fit testing is to be performed by one of the methods listed in the 29 CFR 1926.1101, Appendix C.
- F. If supplied air respirators are used, the contractor shall provide a minimum of Grade "D" breathing air as set forth in the Compressed Gas Association's "Commodity Specifications for Air," G-7.1. The contractor shall test for Grade "D" breathing air initially and daily thereafter. Daily testing is not needed if the contractor has an air purification system that has CO and organic purging capabilities as well as a continuous CO monitor and alarm calibrated at 10 ppm. The system must be calibrated at least once a week or when it is moved.

- G. Provide emergency backup air supply, egress SCBA or egress HEPA filters for each worker in work area at all times when Type-C (supplied air) respirators are required. Breathing air system shall provide one hour of reserve air, calculated for maximum crew size for emergency evacuation.
- H. Where Type C respirators are utilized, the contractor is required to have an employee in the vicinity of the source of air. The contractor shall take into account the location of the fresh air intake to ensure no pollutant source is in the vicinity. The audible alarm shall be located where the employees inside and outside containment can hear the alarm.
- I. Do not allow the use of single-use, disposable or quarter-face respirators for any purpose.
- J. The contractor may submit a new exposure assessment (as per 29 CFR 1926.1101) to the SAM with a request to downgrade to less protective respirators. The SAM will make a recommendation to the designer, who will issue a decision in writing to the contractor approving or denying his request. If the contractor disagrees with the decision, then the representative air sampling data may be reviewed by the HHCU for a final decision.

SECTION 01563

DECONTAMINATION UNITS

1.01 DESCRIPTION OF WORK

- A. Provide that the personnel decontamination unit be the only means of ingress and egress for the work area. Require that all materials exit the work area through the decontamination unit. Contractor shall comply with 29 CFR 1926.1101, specifically paragraph (j) Hygiene facilities and practices for employees.

1.02 GENERAL

Provide separate personnel decontamination units and equipment/loadout decontamination units when practical.

- A. Personnel Decontamination Unit
1. Provide a Personnel Decontamination Unit consisting of a serial arrangement of connected rooms or spaces, changing room, shower room, equipment room. Each shall be separated by a minimum of three curtain doorways. Require all persons without exception to pass through this decontamination unit for entry into and exiting from the work area for any purpose. Do not allow parallel routes for entry or exit. Do not remove equipment or materials through Personnel Decontamination Unit.
 2. Provide temporary lighting within decontamination units as necessary to reach an adequate lighting level.
 3. Maintain floor of changing room dry and clean at all times. Do not allow the overflow water from the shower to escape the shower room.
 4. Damp wipe all surfaces twice after each shift change with a disinfectant solution.
 5. Provide hot and cold water, drainage and standard fixtures including an elevated showerhead as necessary for a complete and operable shower. A water hose and bucket is not an acceptable shower.
 6. Arrange water shut off and drain pump operation controls so that a single individual can shower without assistance from either inside or outside of the work area.

7. Pump shower wastewater to drain. Provide 20-micron and 5-micron wastewater filters in line to drain. Change filters daily or more often if necessary.
8. Visual Barrier: Where the decontamination area is immediately adjacent to and within view of occupied areas, provide a visual barrier of opaque plastic sheeting so that worker privacy is maintained and work procedures are not visible to building occupants. Where the area adjacent to the decontamination area is accessible to the public, construct a solid barrier on the public side of the sheeting to protect the sheeting. Construct barrier with wood or metal studs, max. 16 inches on center, covered with minimum 3/8-inch plywood.

B. Decontamination Unit Contamination:

1. If the air quality in the decontamination unit exceeds 0.01 fibers per cc analyzed by PCM or 70 structures per mm squared analyzed by TEM or its integrity is diminished through use as determined by the designer or industrial hygiene firm, no employee shall use the unit until corrective steps are taken and approved by the designer and industrial hygiene firm.

SECTION 01711

PROJECT DECONTAMINATION

1.01 GENERAL

- A. Carry out a first cleaning of all surfaces of the work area including plastic sheeting, tools, scaffolding and/or staging by use of damp-cleaning and mopping and/or a high efficiency particulate air (HEPA) filter vacuum until there is no visible debris from removed materials or residue on plastic sheeting or other surfaces. Do not perform dry-dusting or dry-sweeping.
- B. Equipment shall be cleaned and all contaminated materials removed before removing polyethylene from the walls and floors.
- C. The contractor shall replace all prefilters and clean the inside and outside of the HEPA exhaust units.
- D. After polyethylene sheets have been removed from walls and floors, the contractor shall clean all surfaces in the work area with amended water and/or HEPA-filtered vacuum.
- E. After cleaning the work area, the contractor shall allow the area to thoroughly dry and then wet-clean and/or HEPA vacuum all surfaces in work area again.
- F. At the completion of the cleaning operation, the contractor's supervisor shall perform a complete visual inspection of the work area to ensure that the work area is dust- and fiber-free. If the supervisor believes he is ready for a final project decontamination inspection, he shall notify the designer.
- G. The designer shall contact the industrial hygiene firm and advise the firm of the final project decontamination inspection requested by the contractor.
- H. Final project decontamination inspection includes the visual inspection and air monitoring clearance.
- I. Visual inspection for acceptance shall be performed after all areas are dry.
- J. The industrial hygiene firm shall perform the final visual inspection and conduct the final air clearance. Any discrepancies found shall be documented in the form of a punch list.
- K. Final air sampling shall not commence until the visual inspection is completed and passed.

- L. If the industrial hygiene firm finds that the work area has not been adequately decontaminated, cleaning and/or air monitoring shall be repeated at the contractor's expense, including additional industrial hygiene fees, until the work area is in compliance.
- M. After the work area is found to be in compliance, all entrances and exits shall be unsealed and the plastic sheeting, tape and any other trash and debris shall be disposed of in sealable plastic bags (6 mil minimum) and disposed of as outlined in Section 02084.
- N. All HEPA unit intakes and exhausts shall be wrapped with six-mil polyethylene before leaving the work area.
- O. After the industrial hygiene firm has approved the final project decontamination and the contractor has completed the tear down for occupancy by others, the designer shall perform the project final inspection as outlined in the general conditions.
- P. Any residual asbestos that may be present after removing critical barriers, that in the designer's judgment should have been cleaned during the precleaning phase prior to installing critical barriers, shall be cleaned and cleared at the contractor's expense.
- Q. There shall be appropriate seals totally enclosing the inspection area to keep it separate from clean areas or other areas where abatement is or will be in progress. Once an area has been accepted and passed air tests, loss of the critical barrier integrity or escape of asbestos into an already clean area shall void previous acceptance and tests. Additional visual and final air clearance sampling shall be required at the contractor's expense.

SECTION 01714

WORK AREA CLEARANCE

1.01 GENERAL

- A. Notification and scheduling of the final inspection during the project is the responsibility of the contractor.

1.02 FINAL CLEARANCE TESTING

- A. After the second cleaning operation and after the area is completely dry, the following procedure test shall be performed:
1. A final visual inspection shall be conducted by the industrial hygiene firm. The inspection shall be conducted following the guidelines set forth in the American Society for Testing and Materials, Standard Practices for Visual Inspection of Asbestos Abatement Projects, Designation: E1368.90. If the work area is found visibly clean, air samples will be collected by the industrial hygiene firm.
 2. During final clearance air monitoring, the accredited air monitor shall use aggressive air sampling techniques using a leaf blower or other device, except in crawlspace areas. See EPA-AHERA regulations (40 CFR Part 763, Subpart E, Appendix A).
 3. After completion of the visual inspection and passage of the visual inspection, final air clearance will be performed. Each regulated area of removal greater or equal to 3,000 square feet or 1,500 linear feet will be cleared using TEM methods. Regulated areas less than 3,000 square feet and 1,500 linear feet will be cleared using PCM methods.
 4. Samples to be analyzed using PCM (minimum of five samples using NIOSH 7400 method), then the maximum flow rate is 12 liters per minute, with a minimum sample size of 2,000 liters for each sample. Clearance criteria shall be less than 0.01 F/cc for all samples analyzed.
 5. Samples to be analyzed using TEM analysis, the Mandatory Transmission Electron Microscopy Method described in 40 CFR Part 763, Subpart E, Appendix F shall be used. Clearance criteria shall be an arithmetic mean less than or equal to 70 structures per square millimeter or a z-test less than or equal to 1.65.
 6. Final clearance criteria shall be in accordance with AHMB Program Rules.

7. The industrial hygiene firm shall immediately report the final air sampling clearance results to the designer.
8. The use of the negative pressure system may be discontinued after the industrial hygiene firm instructs the contractor that he has passed the final project decontamination inspection.

SECTION 02080

ASBESTOS REMOVAL

1.01 GENERAL

- A. Prior to starting asbestos removal, the contractor's equipment, work area, and decontamination units will be inspected and approved by the designer or designer's representative.
- B. All loose asbestos material removed in the work area shall be adequately wet, bagged, sealed and labeled properly before personnel breaks or end of shift.
- C. All plastic sheeting, tape, cleaning material, clothing and all other disposable material or items used in the work area shall be packed into sealable plastic bags (6 mil minimum) and treated as contaminated material.
- D. All material shall be double-bagged.
- E. All excess water (except shower water) shall be combined with removed material or other absorptive material and properly disposed of as per EPA regulations. Contractor shall not place water in storm drains, onto lawns, or into ditches, creeks, streams, rivers or oceans.

1.02. SCOPE OF WORK

Work in this project consists of furnishing of all labor, materials, equipment, and services reasonably incidental and implied for the removal of the asbestos-containing and mold decontamination at the Davis Ventures Community Center Building located at 33478 US Highway 64 East in Englehard, North Carolina. The asbestos abatement and mold remediation work is intended to be conducted concurrently. The Contractor shall commence work to be performed included in these specifications as notified by the Owner or Owner's Design Firm.

- The contractor shall remove approximately 9,700 square feet of double layer floor tile and mastic from the Main Building. There is asbestos-containing 9" x 9" floor tile and black mastic located under non-asbestos 12" x 12" floor tile, carpet, or linoleum in most areas. The floor tile is located throughout the Main Building Classrooms, Corridors, and Office Area. The contractor is to also remove all vinyl baseboards in the removal areas. All cabinetry, tables, etc. shall be removed to access any floor tile underneath for removal.
- The contractor shall remove all chalkboards and black asbestos-containing chalkboard mastic throughout the Main Building.
- The contractor shall remove approximately 10 linear feet of "air cell" type pipe insulation from the Mechanical Room.

- The contractor shall removal all windows with asbestos-containing glazing and asbestos-containing window frame caulking from the Main Building.
- See mold remediation specifications section following asbestos abatement specifications for mold decontamination scope of work.

Abatement areas are illustrated on Drawing D-01 located in Appendix C. See Technical Specifications and Drawing included in these specifications for additional information.

REMOVAL OF FLOOR TILE and MASTIC

The Contractor has the option of removing the carpet, floor tile, and mastic using non-friable or friable methods.

Non-Friable Method – If the Contractor employs non-friable methods, 4-mil polyethylene shall be placed a minimum of three feet up each wall for protection of the walls during the removal of mastic. The Contractor shall only use approved non-friable methods (e.g., infrared heating). Open flame burning is prohibited. Barrier tape, warning signs, and negative air exhaust will be employed during removal. Operators of infrared heat machines shall be thoroughly trained in the proper use of the equipment. No breaking of the floor tiles is permitted for non-friable removal.

Friable Method – If the Contractor employs friable methods, then the following shall be used: The Contractor shall place two layers of 4-mil polyethylene over all critical barriers, set up a full decontamination unit per these specifications, and place the work area under negative pressure using HEPA negative pressure air filtration units in accordance with Section 01513. One layer of 4-mil polyethylene shall be placed on any non-porous walls in the containment. 4-mil polyethylene shall be placed a minimum of three feet up each wall for protection of the walls during the removal of mastic. Each work area of removal shall be setup as one continuous containment.

The floor tile shall be removed using wet methods, and the mastic will be removed using a low-odor, non-flammable, non-hazardous material approved by the manufacturer for the use of mastic removal. After completion of mastic removal, the Contractor shall use a cleaning solution to neutralize the mastic remover and mop and rinse the floor so that no residue of the mastic remover or mastic may be left on the floor surface. The cleaner shall be compatible with all typical mastics that may be used after the abatement is complete. The cleaner shall meet all requirements of the mastic remover above.

- A. The Contractor shall take all necessary precautions to prevent the spread of the mastic remover from areas outside of the containment. The Contractor will be responsible for all damages to walls and surfaces inside and outside of containment. The Contractor shall be responsible for returning any walls, surfaces, or other items splattered, damaged, or soiled back to original conditions if the Owner so chooses.

- B. The removed floor tiles, contaminated carpeting, and mastic removal byproducts shall be immediately placed in 6-mil polyethylene bags, double bagged, or sealed in 2 layers of polyethylene, and properly labeled. Workers shall remove the asbestos-containing flooring materials under negative pressure. Workers shall use respiratory protection and protective clothing when performing all removal procedures.
- C. The Contractor shall add cat litter, oil-sorb, or other material approved by the Asbestos Designer to the used mastic removal solution, so that no free standing liquid will be left in the waste disposal bags.
- D. The Contractor shall wet wipe and clean all surfaces prior to the final inspection. All areas of regulated (friable) removal will be cleared using air clearance protocol in Section 01704 "Work Area Clearance". The Owner will be responsible for the first clearance. The Contractor shall pay air monitoring fees and TEM sample analysis fees for all additional clearances.

REMOVAL OF PIPE INSULATION

The Contractor shall remove approximately 10 linear feet of asbestos-containing (Air-Cell) Pipe Insulation from the mechanical room of the building. Pipe insulation removal area is designated on Drawings D-01. Removal of the pipe insulation shall be conducted using glove bag methods in accordance with OSHA 29 CFR 1926.1101.

- A. The pipe insulation shall be removed using wet methods.
- B. The removed ACM debris, removal byproducts, and glove bags shall be immediately placed in 6-mil polyethylene bags, double bagged and properly labeled.
- C. The Contractor shall wet wipe and clean all surfaces prior to the final inspection.

REMOVAL OF WINDOW GLAZING and WINDOW FRAME CAULKING

The Contractor shall remove all windows with asbestos-containing glazing from the Main Building. The Contractor shall remove all asbestos-containing window frame caulking from the Main Building. Window removal work shall be conducted in direct coordination with the General Contractor for the project to ensure that the building remains secure and weather tight at all times. The Gym Building is NOT included in this project.

- A. Any asbestos-containing glazing or caulking debris shall be cleaned from the ground below the windows.
- B. The window glazing shall be sealed with spray glue and duct tape prior to removing the windows.

- C. A layer of polyethylene shall be placed on the ground below the removal area to capture any ACM debris that may fall. The components shall be carefully lowered to the ground in a manner not to cause the ACM cloth to become friable. The waste shall be properly labeled and stored in a polyethylene lined disposal container.
- D. The windows with glazing may be removed from the building intact without disturbing the glazing. The Contractor shall immediately wrap the windows in two layers of 6-mil polyethylene and properly label for disposal in an asbestos approved landfill.
- E. The window mounted air conditioners are to be removed and properly disposed of. These units contain refrigerant gas.
- F. The window frame caulking shall be removed using wet methods and hand tools.
- G. If the window glazing or caulking cannot be removed intact, then negative pressure, full containments shall be used.

REMOVAL OF CHALK BOARD MASTIC

The Contractor shall remove all asbestos-containing chalkboard mastic from the Main Building.

- A. A layer of polyethylene shall be placed on the ground below the removal area to capture any ACM debris that may fall.
- B. Chalkboards shall be removed to access mastic. Chalkboards with mastic on them shall be wrapped in two layers of 6-mil polyethylene and properly label for disposal in an asbestos approved landfill.
- C. Mastic on the walls shall be removed using wet methods and hand tools.
- D. If the chalkboard mastic cannot be removed using non-friable methods, then negative pressure, full containments shall be used.

The hazardous materials survey report is attached in Appendix D.

Any measurements or material amounts listed are given as estimates. The contractor is responsible for his/her own measurements and the removal of the asbestos-containing materials indicated in this project.

SECTION 02084

DISPOSAL OF ASBESTOS-CONTAINING WASTE MATERIAL

1.01 GENERAL

- A. All asbestos materials and miscellaneous contaminated debris shall be properly sealed and protected, and the loadout vehicle/dumpster shall be locked, while located on the facility site and then transported to a predesignated disposal site in accordance with 40 CFR 61.150 and DOT 49 CFR Parts 100-399.
- B. An enclosed vehicle will be used to haul waste material to the disposal site. No rental vehicles or trailers shall be used. Vehicle selection, vehicle covers and work practices shall assure that no asbestos becomes airborne during the loading, transport and unloading activity, and that material is placed in the waste site without breaking any seals.
- C. Waste disposal polyethylene bags (6 mil) and containers, non-porous (steel/plastic) drums or equivalent, with labels, appropriate for storing asbestos waste during transportation to the disposal site shall be used. In addition to the OSHA labeling requirements, all containers shall be labeled with the name of the waste generator and the location at which the waste was generated.
- D. The contractor shall transport the containers and bags of waste material to the approved waste disposal site. The sealed plastic bags shall be placed into the burial site unless the bags have been broken or damaged. Upon the landfill's approval, damaged bags shall be left in the non-porous containers and the entire contaminated package shall be buried. Uncontaminated containers may be reused.
- E. Workers loading and unloading the asbestos will wear respirators and disposable clothing when handling material. Asbestos warning signs shall be posted during loading and unloading of asbestos waste.
- F. The contractor shall use the HHCU's Waste Shipment Record for disposal records as per 40 CFR 61.150 and distribute a copy of all waste shipment records to the designer after the completion of the project.

END OF ASBESTOS ABATEMENT SPECIFICATIONS

MOLD REMEDIATION TECHNICAL SPECIFICATIONS

1.1 GENERAL

A. Project Description:

This project is for the remediation of mold from the Davis Ventures Community Center Building located at 33478 US Highway 264 East in Engelhard, North Carolina. Work includes removal and disposal of all porous components and items throughout the Main Building. This includes, but is not limited to: trash, ceiling tiles, lighting, fiberglass batt insulation, HVAC units and ducting, carpet, ceiling and roofing debris, trash, fabric furniture, clothing, and other fabric items. The remaining plaster ceiling, wood wall paneling, and pipe insulation in the locker rooms are to be removed and disposed of. The corridor ceiling and fiberglass insulation are to be removed and disposed of. All remaining surfaces in the building are to be cleaned, sanitized, and treated with an antifungal sealer. Visible mold growth is located on surfaces throughout the Main Building. The mold growth has occurred due to damaged roofing, moisture intrusion, and elevated indoor humidity. This work should only be conducted following roofing repairs. The asbestos abatement and mold remediation work is intended to be conducted concurrently.

The contractor shall comply with these remediation specifications and any applicable US EPA, OSHA, North Carolina, and local regulations, guidelines, and/or rules which govern the handling and disposal of mold materials. The most stringent regulations and/or guidelines of the agencies shall be followed. All wood components in the attic space were visually identified to be contaminated with mold and are to be cleaned, sanitized, and treated. The purpose of the mold remediation is to return the building back to Condition 1, as defined by the Institute of Inspection Cleaning and Restoration Certification (IICRC) Standard for Professional Mold Remediation S520.

Any measurements or material amounts listed are given as estimates. The contractor is responsible for his/her own measurements for the remediation of the mold contaminated materials indicated in this project.

It is the responsibility of the Contractor to maintain materials inside of the designated work areas. Any other areas, systems, or materials contaminated by the Contractor will be cleaned by the Contractor at no additional cost to the Owner. The Contractor shall be responsible for the security of the work areas and will take all necessary precautions to prevent unauthorized persons from entering the work area. The Contractor shall also be responsible for ensuring health, safety, and environment protection at the jobsite.

No removal of materials or cleaning is allowed without proper engineering controls in place.

The Contractor shall use Ground Fault Circuit Interrupters (GFCI) on all electrical equipment used for the project.

The Contractor shall take all necessary measures to prevent damage of the interior surfaces inside and outside the work area. The Contractor shall be responsible for any and all damages inside or outside the work area caused by the mold remediation operations including water damage, contamination, construction of the containment, or any other activity.

B. Pre-work Conference

A pre-bid conference will be held only for the General Contract. All contractors submitting a bid are encouraged to attend, visit the site and ask questions concerning the plans and specifications. The designer will review the plans and specifications, present required techniques and safeguards for the removal of the asbestos and identify locations of water, electrical sources, etc. Any minutes, new points or clarifications raised during the meeting will be issued by the designer in an addendum prior to bids.

C. Submittals

The following is a list of the submittals required for completion of the project. The Contractor must submit at least two copies of all submittals required to the Designer for Review.

PREWORK SUBMITTALS:

- 1) Plan of Action (See Below)
- 2) Superintendent "Competent Person" Credentials
- 3) List of Personnel to be involved with the work including Training Certifications
- 4) Contingency Plans
- 5) Emergency Services and Telephone Numbers
- 6) Notification of other site entities
- 7) Permits, Licenses, and Certificates (including worker training)
- 8) Company's Employee Hazard Communication Program
- 9) Documentation of Medical Examinations, Physician's Approval to wear respiratory protection for each worker, and most recent fit test documentation
- 10) Certification of Worker Acknowledgement
- 11) Federal, State, and Local Agency Notification
- 12) Company's Respiratory Protection Program
- 13) MSDS for all chemicals used (Antimicrobials)

POSTWORK SUBMITTALS

- 1) Waste Disposal Tickets
- 2) Reports of Any Unusual Events
- 3) Reports of Accidents
- 4) Daily Log
- 5) List of All Workers Used in the Performance of the Project

PLAN OF ACTION: Submit a detailed plan of the procedures for use in complying with the requirements of this specification. Include applicable information in the plan, including HVAC and electrical shutdown procedures, the location and layout of decontamination areas, the sequencing of remediation work, the interface of trades involved in the performance of work, methods to be used to assure the safety of building occupants and visitors to the site, waste disposal plan including transport routes for waste containers, and a detailed description of the methods to be employed to control pollution. Expand upon the use of portable HEPA ventilation system, closing out of the building's HVAC system, method of removal to prohibit visible emissions in work area, and packaging of removed mold debris. Address the use of negative pressure systems and indicate the compliance with patents issued on negative pressure enclosures. Also include work and removal schedules. The plan must be approved by the Owner's Representative prior to commencement of work.

D. Quality Assurance

- 1) The Contractor shall conform to all Federal, State, and Local regulations, guidelines, and rules governing the handling and disposal of mold materials.

References:

- a) American Conference of Governmental Industrial Hygienists (ACGIH), Bioaerosols; Assessment and Control. 1999.
- b) EPA, Mold Remediation Guidelines in Schools and Commercial Buildings, US Environmental Protection Agency, Office of Air and Radiation, Indoor Environments Division, 2001.
- c) Institute of Inspection, Cleaning and Restoration Certification, IICRC S500, Standard and Reference Guide for Professional Water Damage Restoration, 2006
- d) Institute of Inspection, Cleaning and Restoration Certification, IICRC S520, Standard and Reference Guide for Professional Mold Remediation, December 2008
- e) National Air Duct Cleaners Association (NADCA), Assessment, Cleaning, and Restoration of HVAC Systems (ACR 2006), March 2006.
- f) New York City Department of Health, Guidelines on assessment of fungi in indoor environments, Bureau of Environmental and Occupational Disease Epidemiology, New York, NY, 2008.
- g) Occupational Safety and Health Administration (OSHA) Respiratory Protection Standard. 29 CFR 1910.134
- h) OSHA Fall Protection, 29 CFR 1926.1060.

- i) OSHA Lockout Tag-Out, 29 CFR 1926.417 and 1926.702.

E. Definitions

Actual Growth: molds that have colonized a substrate, formed fungal mycelia, growth structures and spores; are active or dormant; visible or hidden.

Air Filtration Device (AFD): depending on the mode of use, an AFD that filters (usually a HEPA) and recirculates air is referred to as an air scrubber. One that filters air and creates negative pressure is referred to as a negative air machine.

Airlock: a system for permitting ingress or egress without permitting air movement from a contaminated area to an uncontaminated area.

Assessment: a process performed by an indoor environmental professional that includes the evaluation of data obtained from a building history and inspection to formulate an initial hypothesis about the origin, identity, location and extent of amplification of mold contamination. If necessary, a sampling plan is developed, and samples are collected and sent to a qualified laboratory for analysis. The subsequent data is interpreted by the indoor environmental professional who may then develop a remediation plan.

Authorized Visitor: The Owner's representative, the Consultant, or a representative of a regulatory or other agency having jurisdiction over the project who has entered their name into the Contractor's Daily Log.

Disposal Bag: 6-mil thick leak-tight plastic bags used for transporting mold contaminated waste from work and to disposal site.

Condition 1 (normal fungal ecology): an indoor environment that may have settled spores, fungal fragments or traces of actual growth whose identity, location and quantity are reflective of a normal fungal ecology for a similar indoor environment.

Condition 2 (settled spores): an indoor environment which is primarily contaminated with settled spores that were dispersed directly or indirectly from a Condition 3 area, and which may have traces of actual growth.

Condition 3 (actual growth): an indoor environment contaminated with the presence of actual growth and associated spores. Actual growth includes growth that is active or dormant, visible or hidden.

Containment: a precaution used to minimize cross-contamination from affected to unaffected areas by traffic, material handling or airborne distribution. Containment normally constitutes of 6-mil polyethylene sheeting, often in combination with negative air pressure, to prevent cross-contamination.

Contaminated: the presence of indoor mold growth and/or mold spores, whose identity, location and quantity are not reflective of a normal fungal ecology for similar indoor environments, and which may produce adverse health effects, cause damage to materials and/or adversely affect the operation or function of building systems.

Critical Barrier: one or more layers of plastic sealed over all openings into a work area or any other similarly placed physical barrier sufficient to prevent mold spores from migrating to an adjacent area.

Cross-Contamination: the spread of contaminants from an affected area to an unaffected area.

Curtained Doorway: a constructed device to allow ingress or egress from one room to another while permitting minimal air movement between the rooms.

Engineering Controls: the utilization of methods, equipment or containment in such a manner that they limit the exposure of remediation workers and occupants to contaminants and prevent the introduction of contaminants to surrounding uncontaminated areas and contents.

Fungi: one of the five kingdoms into which living things are categorized. Fungi have distinct nuclei and include a variety of types, such as molds, mildews, yeast and mushrooms. Fungi range in size generally from 2 to 20 microns and are ubiquitous in soils, water and air.

High Efficiency Particulate Air (HEPA) Filter: Means a type of filtering system capable of filtering out particles of 0.3 microns or greater diameter from a body of air at 99.97% efficiency or greater.

HEPA Filter Vacuum: High efficiency particulate air (absolute) filtered vacuum collection equipment with a filter system capable of collection and retaining asbestos fibers. Filters should be of 99.9% efficiency for retaining fibers of 0.3 microns or larger.

HVAC: an acronym for “heating, ventilation and air-conditioning”

Negative Air Machine: see Air Filtration Device

Personal Protective Equipment (PPE): safety items designed to prevent exposure to potential hazards. Examples include: respirators, gloves, goggles, protective clothing and boots.

Post-remediation Verification: an inspection and assessment performed by an indoor environmental professional after a remediation project, which may include visual, olfactory and/or sampling methodologies to verify that the building, system or contents have been returned to a Condition 1 status.

F. Contractor Qualifications

A. Training. The Contractor's supervisor of the work crew must have attended a recognized training program by the Indoor Air Quality Association (IAQA), the Institute of Inspection Cleaning and Restoration Certification (IICRC), or similar non-profit organization. Proficiency should be demonstrated by an industry certification such as one from the American Indoor Air Quality Council (AmIAQC). The work crew supervisor must be experienced in administration and supervision of mold remediation projects including work practices, protective measures for building and personnel, disposal procedures, etc. This person is the "Competent Person" as required by OSHA in 29 CFR 1926.1101 for the Contractor and is the Contractor's representative responsible for compliance with all applicable federal, state and local regulations, particularly those relating to mold remediation. This person must have had a minimum of two (2) years on-the-job training and meet any additional requirements set forth in 29 CFR 1926 for a Competent Person.

The supervisor shall remain on-site at all times workers are conducting remediation.

- 1) Previous Experience. The Contractor must demonstrate substantial experience with similar projects and provide references. (a) all workers will be fit tested prior to starting the project (follow company fit test program). (b) follow all applicable OSHA safety and health programs.
- 2) Demonstrated Ability of Workers. The Remediation Contractor must demonstrate that it has (or will have) a sufficient number of remediation workers who have successfully completed in-house training regarding mold.
- 3) Insurance. The Remediation Contractor must demonstrate that it has sufficient coverage to meet owner's requirement.
- 4) The Contractor shall secure, pay for, and maintain in full force and effect until no longer necessary, all necessary licenses, permits, and permissions required by federal and state law, city ordinance, statute, or regulations.
- 5) The Contractor acknowledges that he has acquainted himself with all conditions that may affect the work as would be evident from a thorough investigation of the job site and these specifications covering the work.
- 6) It shall be the responsibility of all Contractors and Subcontractors to carefully examine all specifications pertaining to all phases of the construction in order that the Contractor and Subcontractors may foresee all requirements for coordination of their work. Claims based on unforeseen requirements will not be considered.
- 7) Should any error or inconsistency appear in the Specifications, the Contractor, before proceeding with the work, must make mention of the same to the project coordinator for proper adjustment, and in no case proceed with work in uncertainty.

G. Worker Training

Any worker conducting activities, e.g. (prep, cleanup, disposal for the purpose of removing or disturbing mold contaminated items or dust) must have successfully completed training in mold remediation health and safety training. The Contractor will provide training to all of the Contractor's employees who will work on the job. The training shall meet or exceed all applicable OSHA Construction Standards, and other applicable Federal, State, and Local standards and documentation of all training shall be available for review. All education and training should, at a minimum, include information on the following topics:

- Hazard communication training.
- Possible routes of exposure to mold.
- The known health effects associated with mold exposure.
- The importance of good personal hygiene.
- The specific methods of remediation to be used.
- The proper use and maintenance of protective clothing and equipment including respiratory protection equipment.
- Safety and Emergency Egress Procedures
- Fall Protections
- The correct use of engineering controls and implementation of good work practices.
- The proper use of chemical agents to be used during the remediation work.

H. Person Protective Equipment (PPE)

Workers performing mold remediation shall wear full-body protection including TYVEK or similar type disposable suit with hoods and booties, gloves, and eye protection. Full-body protection will be worn inside the work area at ALL times. NIOSH approved Half-face negative pressure air-purifying respirator with replaceable HEPA filters shall be required at a minimum. The contractor shall supply a sufficient quantity of HEPA respirator filters so that filter changes can be made as necessary during the project. Exposure to mold spores and fiberglass insulation is pertinent to this project. The contractor assumes responsibility for compliance with ALL PPE requirements including OSHA's Respiratory Protection Standard 29 CFR 1910.134. The Contractor shall ensure that all personnel who enter the work area wear all required PPE at all times.

I. Personal Hygiene Practice

The Contractor shall enforce and follow good personal hygiene practices during mold remediation work. These practices will include, but not limited to the following:

- 1) No eating, drinking, smoking, or applying of cosmetics inside of the work area. The Remediation Contractor will provide a clean space, separated from the work area for these activities.

- 2) All workers must wash hands and face upon leaving the work area. A lavatory wash facility in accordance with 29 CFR 1910.52 shall be provided by the Contractor outside, but in the immediate area of the work being conducted. This wash facility will consist of, at least, hot and cold running potable water and dry towels.
- 3) Disposable clothing, such as TYVEK suits, and other personal protective equipment (PPE) must be provided prior to entering the work area. A clean room shall be provided for workers to put on suits and other personal protective equipment and to store street clothes. Disposable clothes shall be used once, then properly discarded. The Contractor shall establish and train workers in work area entry and exit procedures as well as equipment and waste decontamination procedures prior to starting remediation activities. The procedures shall be established so as not to contaminate surrounding areas.

J. Record Keeping

Daily Log: Maintain at the jobsite a daily log documenting the dates and time of but not limited to, the following items:

- Dates and times of the project with brief description of daily work activities
- Meetings; purpose, attendees, discussion (brief)
- Visitations; authorized and unauthorized
- Personnel, by name, entering and leaving the work area
- Special or unusual events, i.e. Barrier breaching, Equipment failures

K. Reporting Accidents

Prepare and submit reports of significant accidents, at site and anywhere else work is in progress. Record and document data and actions; comply with industry standards. For this purpose, a significant accident is defined to include events where personal injury is sustained, or property loss of substance is sustained, or where the event posed a significant threat of loss or personal injury.

L. Emissions and Exposure Controls

The criteria for assessing the adequacy of the controls over particulate emissions and employee exposure shall be as follows:

- 1) Visible emissions shall be kept to a minimum at any time work is being performed. Criteria used for the assessment will be a visual inspection without the use of instruments. Visible emissions shall be used as a criteria for project shut down until corrections to the containment and/or remediation activities are made.
- 2) The Contractor shall use controlled removal methods described in this specification to eliminate

environmental emissions. If visible emissions occur while removing contaminated items, the Contractor shall stop work until more controlled removal methods are conducted.

If the Owner, the Owner's Representative, or the Project Administrator presents a written stop work order immediately and automatically stop all work. Do not recommence work until authorized in writing by Owner's Representative.

M. Contractor Use of Premises

The Contractor shall limit his use of the premises to the work indicated. Confine operations at the site to the areas permitted under the Contract. Portions of the site beyond areas on which work is indicated are not to be disturbed. Conform to site rules and regulations affecting the work while engaged in project construction.

Keep existing driveways and entrances serving the premises clear and available to the Owner and his employees at all times. Do not use these areas for parking or storage of materials.

Do not unreasonably encumber the site with materials or equipment. Confine stockpiling of materials and location of storage sheds to the areas indicated. If additional storage is necessary, obtain and pay for such storage off site.

Lock automotive type vehicles, such as passenger cars and trucks and other mechanized or motorized construction equipment, when parked and unattended, so as to prevent unauthorized use. Do not leave such vehicles or equipment unattended with the motor running or the ignition key in place or accessible to unauthorized persons.

Maintain existing building in a safe and weather tight condition throughout the construction period. Repair damage caused by construction operations. Take all precautions necessary to protect the building and its occupants during the construction period. Keep public areas such as hallways, stairs, elevator lobbies and toilet rooms free from accumulation of waste, rubbish or construction debris. Smoking or open fires will not be permitted within the building enclosure or on the premises.

N. Temporary Utilities

General:

- a) Use qualified tradesmen for installation of temporary services and facilities. Electricians, plumbers, and other tradesmen shall have all required licenses and permits in force at the time of the work performed. Locate temporary services and facilities where they will serve the entire project adequately and result in minimum interference with the performance of the work.

- b) Relocate, modify and extend services and facilities as required during the course of work so as to accommodate the entire work of the project.
- c) Provide temporary connection to existing building utilities or provide temporary facilities as required herein or as necessary to carry out the work.
- d) Provide new or used materials and equipment that are undamaged and in serviceable condition. Provide only materials and equipment that are recognized as being suitable for the intended use, by compliance with appropriate standards.

Scaffolding: Provide all scaffolding, ladders and/or staging, etc. as necessary to accomplish the work of this contract. Scaffolding may be of suspension type; or standing type such as metal tube and coupler, tubular welded frame, pole or outrigger type or cantilever type. The type, erection and use of all scaffolding shall comply with all applicable OSHA provisions. Equip rungs of all metal ladders, etc. with an abrasive non-slip surface. Provide as nonskid surface on all scaffold surfaces subject to foot traffic.

Temporary Water Service Connection: Utilize domestic water service, if available, from Owner's existing system. Provide hot water heaters with sufficient capacity to meet project demands. All connections to the Owner's water system shall include backflow protection. Valves shall be temperature and pressure rated for operation of the temperatures and pressures encountered. After completion of use, connections and fittings shall be removed without damage or alteration to existing water piping and equipment. Leaking or dripping valves shall be piped to the nearest drain or located over an existing sink or grade where water will not damage existing finishes or equipment.

Water Hoses: Employ heavy-duty abrasion-resistant hoses with a pressure rating greater than the maximum pressure of the water distribution system to provide water into each work area and to each Decontamination Unit. Provide fittings as required to allow for connection to existing wall hydrants or spouts, as well as temporary water heating equipment, branch piping, showers, shut-off nozzles and equipment.

Temporary Power: Shut down and lock out/tag out all electrical power inside the work area. Provide temporary 120-240 volt, single phase, three wire, 100 amp electrical service with Ground Fault Circuit interrupters (GFCI) for all electrical requirements with the Work Area. Obtain power from the Owner's system from outside of the work area where available. Provide temporary wiring and "weatherproof" receptacles in sufficient quantity and locations to service all equipment needed for the project.

Power Cords: Use only grounded extension cords; use "hard-service" cords where exposed to abrasion and traffic. Use single lengths or use waterproof connectors to connect separate lengths of electric cords, if single lengths will not reach areas of work.

Temporary Lighting: Install temporary lighting adequate to provide sufficient illumination for safe work and traffic conditions in every area of work. Provide the

following where natural lighting or existing building lighting does not meet the required light level:

One 200-watt incandescent lamp per 1000 square feet of floor area, uniformly distributed, for general construction lighting, or equivalent illumination of a similar nature. In corridors and similar traffic areas provide one 100-watt incandescent lamp every 50 feet. In stairways and at ladder runs, provide lamp minimum per story, located to illuminate each landing and flight. Provide sufficient temporary lighting to ensure proper workmanship everywhere; by combined use of daylight, general lighting, and portable plug-in task lighting.

O. Publicity

Any use of the descriptions of the work performed or photographs taken of the work or job site, must be approved in writing by the Owner before release.

P. Waste Disposal

The Contractor will be responsible for the handling and disposal of all waste and contaminated materials in accordance with all state, local and federal regulations and requirements. At a minimum, all waste shall be placed in 6-mil polyethylene disposal bags and placed in a secure dumpster or truck to be disposed of in a landfill. The Contractor shall seal all waste and cleaning items in polyethylene disposal bags prior to removing from the work area. The waste shall be secured from the public at all times. All waste shall be removed from the area at the end of each work shift. Take bags from the work area directly to a sealed truck or dumpster.

Q. Material Safety Data Sheets (MSDS)

The Contractor shall provide the Owner and all other parties using the job site, a material safety data sheet (MSDS) for all chemicals used by the Contractor. This MSDS shall be provided before work begins.

R. Fire Extinguishers

Comply with the applicable recommendations of NFPA Standards 10 "Standard for Portable Fire Extinguishers". Locate fire extinguishers where they are most convenient and effective for their intended purpose, but provide not less than one extinguisher inside of each Work Area and one outside the Work Area. Provide type "ABC" dry chemical extinguishers, or a combination of several extinguishers of NFPA recommended types for the exposures in each case.

1.2 EXECUTION

SCOPE OF WORK:

This project is for the remediation of mold from the Davis Ventures Community Center Building located at 33478 US Highway 264 East in Engelhard, North Carolina.

- 1) The contractor shall removal and dispose of all porous components and items throughout the Main Building. This includes, but is not limited to: trash, ceiling tiles and grid, HVAC units and ducting, carpet, ceiling and roofing debris, trash, fabric furniture, clothing, and other fabric items. The HVAC units and ducting located in the attic space above the corridor ceiling are to be removed and properly disposed of. The corridor ceiling is to be removed and disposed of. The window mounted air conditioning units are to be removed and disposed of during the asbestos window abatement. Any cleanable items that the Owner designates to keep shall be cleaned, sanitized, and given to the Owner for storage. See drawing **M-01** in **Appendix D** for areas included in the mold remediation scope of work. All light bulbs, lighting ballasts, and equipment containing refrigerant gases shall be disposed of properly according to all federal, state, and local regulations.

 - All remaining surfaces in the building are to be cleaned, sanitized, and treated with an antifungal sealer.

Visible mold growth is located on surfaces throughout the Main Building. The mold growth has occurred due to damaged roofing, moisture intrusion, and elevated indoor humidity. This work should only be conducted following roofing repairs. This work is to be conducted concurrently with the asbestos abatement.

The contractor shall comply with these remediation specifications and any applicable US EPA, OSHA, North Carolina, and local regulations, guidelines, and/or rules which govern the handling and disposal of mold materials. The most stringent regulations and/or guidelines of the agencies shall be followed. The pipe insulation in the basement mechanical room was visually identified to be contaminated with mold and is to be completely removed. All surfaces in the basement mechanical room are to be cleaned and sanitized. The purpose of the mold remediation is to return the basement mechanical room space back to Condition 1, as defined by the Institute of Inspection Cleaning and Restoration Certification (IICRC) Standard for Professional Mold Remediation S520.

Any measurements or material amounts listed are given as estimates. The contractor is responsible for his/her own measurements for the remediation of the mold contaminated materials indicated in this project.

The contractor should perform the mold remediation using the following steps. (To be followed in sequence)

A. Preparation of Work Area

- 1) The Contractor shall post warning signs at all entrances or openings to the work areas.
- 2) The Contractor must be careful to not disturb fungal contaminated materials during work area isolation. Pre-cleaning of the work area in order to install work area isolation will be completed as necessary.
- 3) The work area shall be placed under negative pressure prior to the remediation of mold. Air filtration devices (AFD) equipped with High Efficiency Particulate Air (HEPA) filtration shall be used to obtain negative pressure inside of the work area. The AFD's shall filter a minimum of four (4) air changes per hour. The AFD's shall be vented to the exterior of the building a minimum of 50 feet from building entryways and air intake systems. Negative pressure shall be maintained throughout the remediation process until acceptable post mold remediation verification is obtained. A manometer with audio alarm shall be used to provide continuous reading of negative pressure within the work area. Air filtration devices may be allowed to operate in scrub mode after gross removal of mold contaminated items and prior to clearance verification.
- 4) Isolate the work areas by placing critical barriers over all vents and room openings including entryways, voids, etc. Critical barriers shall consist of at a minimum 1-layer of 6-mil polyethylene sheeting and shall be completely sealed with tape so as to remain for the duration of the project. Entrance and exit from the work area will have triple barriers of polyethylene plastic sheeting so that the work area is always closed off by one barrier when workers enter or exit. It is recommended that an "air lock" be installed as the means of entrance and exit from the work area where decontamination of workers, waste bags, and equipment occur before exiting the work area. All polyethylene used on the project shall be 6 mil in size and fire retardant to comply with NFPA 701 as listed by UL. Any tape and spray adhesive residues leftover from the containment setup on surfaces following remediation shall be cleaned by the contractor.

B. Material Removal Procedures

- 2) Perform removal of items to be disposed of using controlled methods. Wet the items prior to disturbance to reduce the spread of airborne mold spores. This will reduce particle emissions into the air. Accomplish wetting by a fine spray (mist) of water. Do not allow material to dry out prior to placing in disposal bags. As it is removed, simultaneously pack material while still wet into proper 6-mil disposal bags. Twist neck of bags, bend over, and seal with minimum of three wraps of duct tape. The bags shall be cleaned prior to removing from the work area and prior to placement in dumpster or truck. All waste that is generated will be transported off the facility and disposed of in a landfill. All light bulbs, lighting ballasts, and equipment containing refrigerant gases shall be disposed of properly according to all federal, state, and local regulations.

C. Cleaning and Sealing

- 1) After all gross removal of items to be disposed of is completed, perform cleanup, sanitation, and treatment of all remaining surfaces in the building.
- 2) HEPA vacuum and wet scrub with disinfectant or biocide antimicrobial agent all remaining surfaces in the building. Visible dust and debris shall be removed. The Anti-microbial/Biocide agents used or other cleaning processes such as media blasting techniques shall be submitted to the Designer for approval prior to its use or application. The contractor shall clean all visible dust and debris from floors and other surfaces believed to be contaminated with mold spores by HEPA vacuuming and wet wiping. After cleaning, all remaining surfaces should be thoroughly treated with the clear sealant to help prevent future mold growth. All antimicrobial agents and sealing agents used during mold remediation shall be EPA registered for the intended use.

D. Removal of Containment and Critical Barriers

- 1) Removal of HEPA air filtration equipment, containment, and critical barriers shall only be performed once acceptable clearance verification is obtained from the Owner's representative.

1.3 CRITERIA FOR FINAL INSPECTION AND WORK AREA CLEARANCE:

The Designer and/or Owner's Representative shall perform a post mold remediation final inspection of the work area. An inspection and assessment shall be performed by an Indoor Environmental Professional (IEP) after remediation is complete. The work area isolation shall remain in place until clearance is deemed acceptable by the Owner's IEP. The verification shall include a visual inspection to verify that the space has been returned to a Condition 1 status. The Contractor shall coordinate the post remediation inspection with the Owner's representative and shall give the Owner's post remediation verification representative a minimum of **48 hours notice**.

- a) There shall be no visible mold growth on remaining surfaces in the Main Building.
- b) There shall be no visible dust or debris left on surfaces including the floors in the Main Building.

The Contractor shall re-clean at his/her expense if the post remediation visual inspection does not meet clearance criteria. The Contractor shall re-clean the work area until post remediation verification criteria is met. The Owner shall pay for the first clearance and the Contractor shall pay for each additional clearance using the Owner's hired firm and rate.

END OF MOLD REMEDIATION SPECIFICATIONS

APPENDICES

APPENDIX A

PREWORK ASBESTOS INSPECTION CHECKLIST

APPENDIX A

PREWORK ASBESTOS INSPECTION CHECKLIST

Name of State Facility: _____

Project Name: _____

Project ID Number: _____

Date of Inspection: _____ Pass: _____ Fail: _____

I. DOCUMENTS	YES	NO
A. Asbestos Removal Permit/NESHAP Notification	_____	_____
B. Accreditation Documents for Workers & Supervisors	_____	_____
C. Asbestos Plans and Specifications	_____	_____
D. Air Monitoring Data	_____	_____
E. Waste Shipment Records	_____	_____
F. Sign-in Sheets and Bound Book for Comments	_____	_____
G. Calibration Record for Grade "D" Air	_____	_____
H. Items listed in Section 01043 of Specification	_____	_____
II. PPE SUPPLIES		
A. Tyvek Clothing	_____	_____
B. Rubber Boots	_____	_____
C. Respirators with HEPA Filters	_____	_____
III. CLEAN ROOM		
A. Entry Curtains	_____	_____
B. Emergency Phone Numbers Posted	_____	_____
C. First Aid Kit	_____	_____
D. Asbestos Signs	_____	_____
E. Decontamination Procedures Posted	_____	_____
F. Fire Extinguisher	_____	_____
IV. SHOWER ROOM		
A. Polyethylene Curtains	_____	_____
B. Hot/Cold Water & Operational	_____	_____

	C. Soap & Towels	_____	_____
	D. Waste Water Filter Pump Operational	_____	_____
	E. Extra Five-Micron Size Filters	_____	_____
	F. Filtered Waste Water to Sanitary Sewer	_____	_____
V.	WORK AREA	YES	NO
	A. Removable Items Out of Area	_____	_____
	B. Non-removable Items Protected	_____	_____
	C. Critical Barriers Installed	_____	_____
	D. Polyethylene Curtains	_____	_____
	E. Polyethylene on Walls/Floors as Specified	_____	_____
	F. HVAC off	_____	_____
	G. Air Filtration Devices in Place and Operational	_____	_____
	H. Air Exhausted to Outside	_____	_____
	I. Electricity Locked and Tagged Out	_____	_____
	J. Temporary Power Installed with GFCI	_____	_____
	K. Fire Extinguishers	_____	_____
	L. Emergency and Fire Exits Marked	_____	_____
	M. Audible Alarms Operational	_____	_____
	N. Toilet Available	_____	_____
VI.	EQUIPMENT		
	A. Safety Equipment	_____	_____
	B. HEPA Vacuums	_____	_____
	C. Waste Disposal Bags	_____	_____
	D. Airless Sprayer with Water Source	_____	_____
	E. Cleaning Equipment	_____	_____
	F. Glove Bags	_____	_____
	G. Emergency Power Generator (if required)	_____	_____
	H. Temporary Lighting	_____	_____
VII.	OTHER		
	A. _____	_____	_____
	B. _____	_____	_____
	C. _____	_____	_____
	D. _____	_____	_____

Asbestos Design Consultant

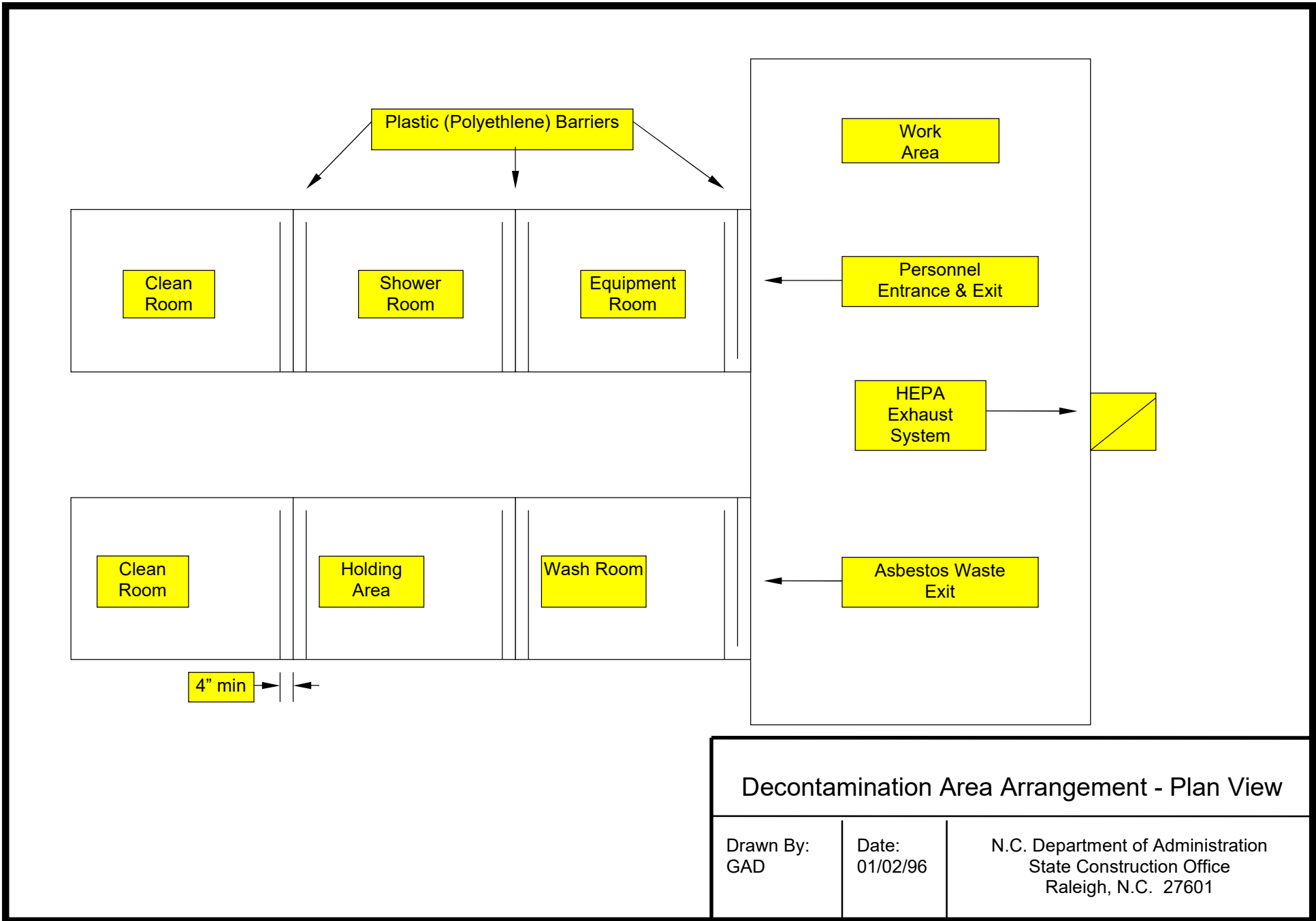
Date

Asbestos Contractor's Representative

Date

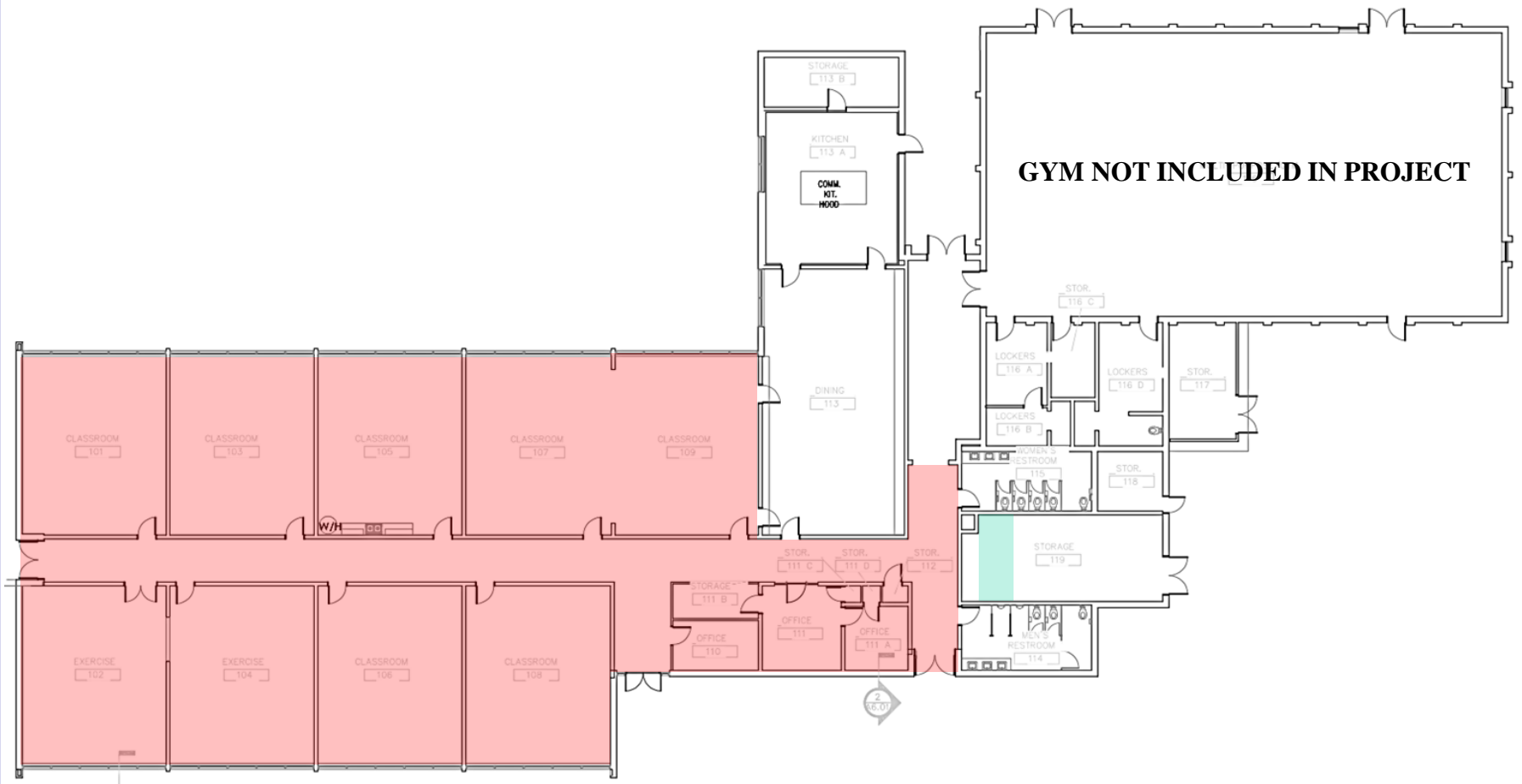
APPENDIX B

DECONTAMINATION AREA ARRANGEMENT



APPENDIX C

ASBESTOS ABATEMENT DRAWING



LEGEND (Note: This Drawing is to be Viewed in Color.)

- Represents Area Where Contractor Is To Remove Flooring Materials. There is Asbestos-Containing 9" x 9" Floor Tile and Black Mastic Located Under Non-Asbestos 12" x 12" Floor Tile, Carpet, or Linoleum in Most Areas.
- Represents Area Where Contractor Is To Remove Approximately 10 Linear Feet of Asbestos-Containing (Air-Cell) Pipe Insulation

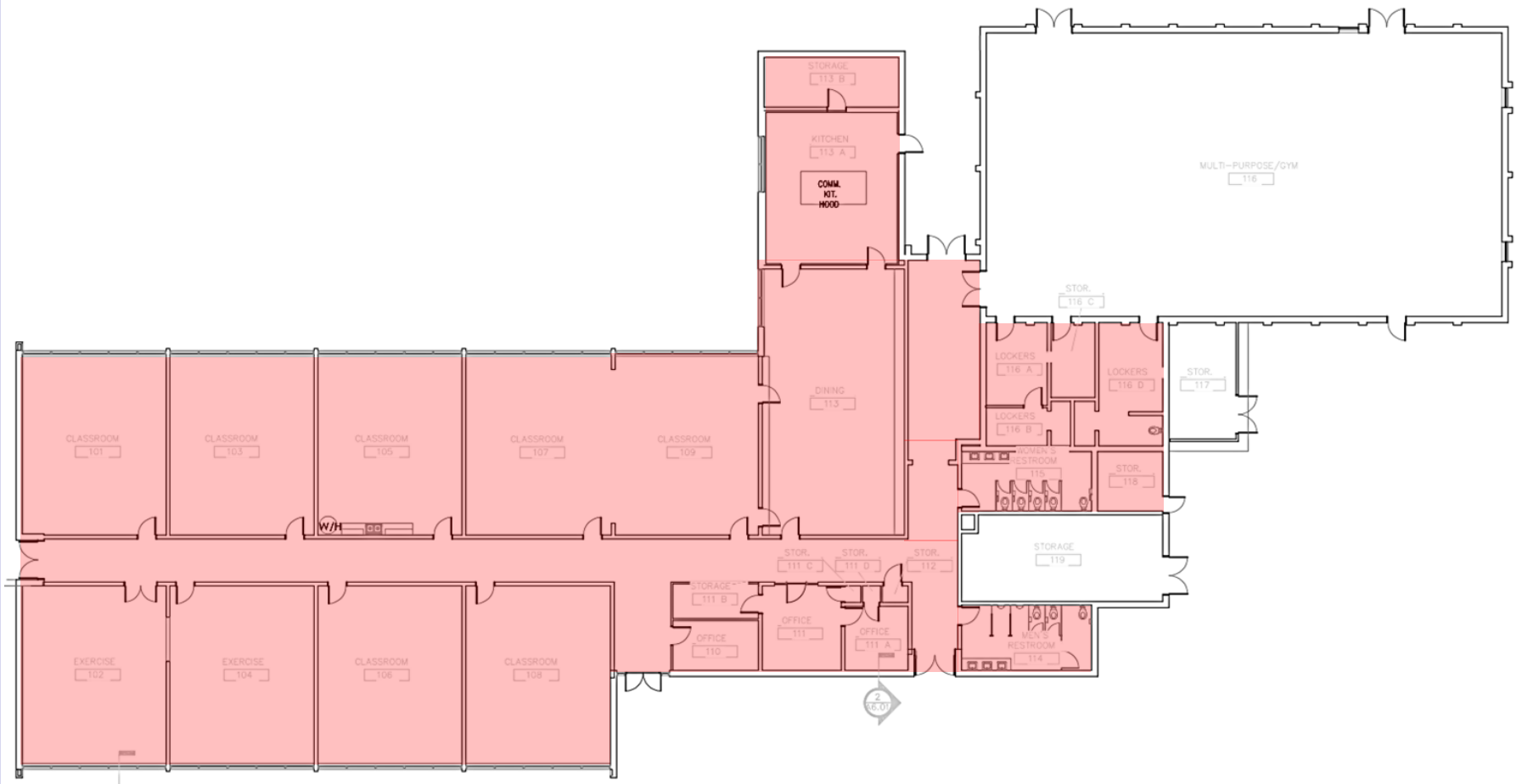
Contractor Is Also To Remove All Windows With Asbestos-Containing Glazing and Window Frame Caulking From Main Building. The Gym Building Section Is **NOT** Included In This Project. The Contractor is Also To Remove All Chalkboard Mastic From The Main Building.

Asbestos Abatement Locations	
Davis Ventures Community Center	
Engelhard, NC	
Scale: No Scale	Drawing #: D-01
Date: 07/05/2023	
Drawn by: MGC	
AEC #23150	



APPENDIX D

MOLD REMEDIATION DRAWING



LEGEND (Note: This Drawing is to be Viewed in Color.)

 Represents Area Where Contractor Is To Conduct Mold Remediation Activities.

Mold Remediation Locations

Davis Ventures Community Center

Engelhard, NC

Scale: No Scale

Date: 07/05/2023

Drawn by: MGC

AEC #23150

Drawing #: M-01



APPENDIX E

HAZARDOUS MATERIALS

SURVEY REPORT



January 17, 2023

Mr. Albrecht N. McLawhorn, AIA, NCARB
INTREPID Architecture, PA
114 East Third Street
Greenville, NC 27858

**RE: Hazardous Materials Assessment Report
Davis Ventures Community Center
33478 US Highway 64 East
Engelhard, North Carolina
AEC Project #23009**

Mr. McLawhorn:

Affinity Environmental Consulting, LLC performed a hazardous materials assessment for asbestos-containing materials, lead-based paint, and mold at the above referenced site. Please find the final report attached.

Thank you for the opportunity to be of service. If you have any questions or need additional information, please do not hesitate to call.

Sincerely,
Affinity Environmental Consulting, LLC

A handwritten signature in black ink, appearing to read 'Mike Cook', is positioned above the typed name.

Mike Cook, CIEC
Principal

Attachment



HAZARDOUS MATERIALS
ASSESSMENT REPORT
for
Davis Ventures Community Center
33478 US Highway 64 East
Engelhard, North Carolina

AEC Project #23009

Prepared For:
INTREPID Architecture, PA
114 East Third Street
Greenville, NC 27858

Prepared By:
Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Report Prepared: January 17, 2023

Asbestos Inspector: Mike Cook, NC Accreditation #12016

Lead Inspector: Mike Cook, NC Accreditation #120218

Mold Inspector: Mike Cook, CIEC #0909002

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 - 1.3 Sample Collection
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 - 1.6 Recommendations & Requirements

- 2.0 Lead-Based Paint Survey
 - 2.1 Summary
 - 2.2 Disclaimer
 - 2.3 Results
 - 2.4 Recommendations & Requirements

- 3.0 Mold and Moisture Survey
 - 3.1 Summary
 - 3.2 Project Description
 - 3.3 Mold Surface Sampling
 - 3.3 Conclusions
 - 3.4 Recommendations
 - 3.5 Conditional Statement

APPENDICES

- APPENDIX A - Asbestos Inspection Homogeneous Areas & Results
- APPENDIX B - Asbestos Bulk Sampling Location Drawing
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- APPENDIX D - Lead Survey XRF Results
- APPENDIX E - Mold Surface Sampling Laboratory Analysis Data
- APPENDIX F - Photographs

1.0 Asbestos Inspection

1.1 SUMMARY: On January 12th, 2023, Affinity Environmental Consulting, LLC (AEC) performed an asbestos inspection of the Davis Ventures Community Center located at 33478 US Highway 64 East in Engelhard, North Carolina. AEC was retained by INTREPID Architecture, PA to perform the inspection prior to renovation of the building. Bulk samples of suspect asbestos-containing materials (ACM) were collected and analyzed using Polarized Light Microscopy (PLM).

1.2 BUILDING DESCRIPTION: The Davis Ventures Community Center is a single-story brick and concrete block structure. The building was originally a school. The building has water damaged roofing in the cafeteria and adjacent gym corridor. Ceilings consist of suspended ceilings throughout the classrooms, cafeteria, and restrooms, drywall in the corridors, and plaster in the locker rooms. There is a wood ceiling deck above the suspended ceiling throughout the main building. Walls consist of concrete block and brick throughout the classrooms, office area, gym, locker rooms, and restrooms. There is drywall in the dining room. Flooring consists of vinyl flooring and carpet throughout the main building classrooms, corridors, cafeteria, and office area. There is ceramic tile in the restrooms. There is hardwood in the Gym. There is mud pipe fitting insulation in the locker rooms and mechanical room. There is a 10 linear foot section of air-cell straight run pipe insulation in the mechanical room. HVAC ducts located above the drywall ceiling in the corridor of the main building are insulated with fiberglass insulation.

1.3 SAMPLE COLLECTION: The bulk sampling was conducted in order to fulfill requirements as set forth in EPA's National Emissions Standards for Hazardous Air Pollutants (NESHAPS) asbestos regulation, 40 CFR, Part 61, Subpart M which requires an asbestos evaluation of buildings scheduled for renovation or demolition. Bulk samples were collected of suspect asbestos-containing materials (ACM) in general accordance with sampling protocols established in US EPA Regulation 40 CFR Part 763 Asbestos Hazard Emergency Response Act (AHERA).

Suspect materials are divided into homogeneous areas for sampling. A homogeneous area is described as a section of material with the same color, texture, age, composition, and other characteristics that indicate a continuity of the material. The bulk samples were taken of non-friable and friable (material, which can be crumbled or reduced to powder by hand pressure). The suspected ACM samples were taken from Thermal Systems Insulation (TSI), Surfacing Materials (SURF), and Miscellaneous Materials (MISC). Attached in **Appendix A** are descriptions of all homogenous areas identified and an estimate of quantity of asbestos, location, and type of asbestos in each homogeneous area. **All quantities are estimates and should be field verified for all other uses.** If no asbestos was detected in a sample, it is indicated as None Detected.

1.4 SAMPLE ANALYSIS: The samples were shipped via FedEx to SAI, an NVLAP accredited laboratory, in Greensboro, North Carolina for PLM analysis. PLM is the EPA approved method for analyzing bulk samples for asbestos. This method utilizes a light microscope equipped with polarizing filters. The identification of asbestos fibers is determined by the visual properties displayed when the sample is treated with various dispersion staining liquids. The actual structure of the fiber and the effect of polarized light on the fiber substantiate identification. The limit of detection of asbestos by PLM is about 1 percent by area; thus, samples containing less than 1 percent of asbestos are not reliably detected by this technique. The PLM method does determine both the percent (1% or above) and type of asbestos in the bulk sample.

1.5 RESULTS: Following are the asbestos-containing materials identified during this asbestos inspection of the Davis Ventures Community Center:

TABLE 1 – Asbestos-Containing Materials Identified			
Homogenous Area	Asbestos-Containing Material	Location/Approximate Quantity	Photo #
A-01 & A-22	Exterior Window Glazing and Window Frame Caulking	Throughout Main Building Window Units (57 Window Units)	1
A-06	9" x 9" Floor Tile & Black Mastic (Green & Brown Colors)	Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum (9,700 SF)	2 & 3
A-14	Black Chalkboard Mastic	Throughout Chalkboards of Building	4
A-23	"Air-Cell" Straight Run Pipe Insulation	Mechanical Room Overhead (10 LF)	5

Homogeneous area details and results are listed in Appendix A. Bulk sample location drawing is attached in Appendix B. Laboratory analysis data is attached in Appendix C. Photographs are attached in Appendix F.

1.6 RECOMMENDATIONS AND REQUIREMENTS: Recommendations are made with knowledge of how asbestos-containing materials are generally handled during a renovation or demolition. Before proceeding with renovation or demolition of any building or the removal of any asbestos-containing materials, friable or non-friable, contact the regulatory agency with EPA-NESHAPS authority for the area where the work is to occur. In North Carolina, the NC DHHS/Division of Public Health Hazards Control Unit has that authority. Their contact information is:

Health Hazards Control Unit
 NC DHHS/Division of Public Health
 1912 Mail Service Center
 Raleigh, NC 27699-1912
 Phone: 919-707-5950
 Website: www.epi.state.nc.us/epi/asbestos/demolition.html

Also contact your local city and county governments for any permitting regulations that they may require.

According to current EPA regulations, asbestos-containing materials (ACM) are any materials containing more than 1% by weight of any mixture of asbestos types. The disposed asbestos must be placed in a landfill that is accredited to receive these materials. This landfill must be notified of the presence of ACM debris and waste before disposal.

The asbestos-containing materials identified should be removed by a North Carolina DHHS Health Hazards Control Unit accredited contractor prior to disturbance. **Additional sampling may be necessary if additional suspect asbestos-containing materials are discovered during the renovation process.**

END OF SECTION

2.0 Lead-Based Paint Survey Report

2.1 SUMMARY: On January 12th, 2023, Affinity Environmental Consulting, LLC (AEC) performed a lead-based paint survey of the Davis Ventures Community Center located at 33478 US Highway 64 East in Engelhard, North Carolina. AEC was retained by INTREPID Architecture, PA to perform the survey prior to renovation of the building. The LBP survey was performed on interior and exterior painted major building components of the building. A Viken Pb200i spectrum XRF analyzer was used for the survey

2.2 DISCLAIMER: This is our report of X-Ray Fluorescence (XRF) analysis. The presence or absence of lead-based paint or lead-based paint hazards applies only to tested surfaces on the date of the field visit and these conditions may change due to deterioration or maintenance. Ongoing monitoring by the owner is usually necessary. Please review this report fully; including any remarks printed on each page and contact us for an explanation of any aspect of this report, written or printed, which you do not fully understand.

2.3 RESULTS: Following are the components with Lead-Based Paint at or above the federal regulatory level of 1.0 mg/cm² at the Davis Ventures Community Center:

TABLE 2 – Lead-Based Painted Components Identified				
Substrate	Component	Location	Result mg/cm ²	Photo #
Metal	Window Components (Interior & Exterior Sashes & Casings)	Throughout Main Building	1.0 – 3.0	6
Metal	Red Door & Door Casings	Restrooms	1.5	7
CMU	Wall	1 Room in Office Area (Main Reception w/Glass Doors)	1.8 – 2.5	8
Concrete	Window Headers	Exterior Main Building	1.3 – 1.5	6
Wood	Eaves	Exterior Main Building	3.0	6

All XRF paint testing data and results are listed in Appendix D. Photographs are attached in Appendix F.

2.4 RECOMMENDATIONS: According to the North Carolina Department of Health and Human Services (NCDHHS), any painted building component containing lead levels greater than or equal to 1.0 mg/cm² (XRF) or 0.06% by weight (paint chip analysis) must be disposed of in a construction and demolition landfill or municipal solid waste landfill (Subtitle D).

It is common knowledge throughout the lead removal industry that the OSHA PEL lead level of 50 ug/m³ is likely to be exceeded during the disturbance of painted building components with lead levels equal to or greater than 1.0 mg/cm² or 0.5% by weight. All other tested building components containing lower lead levels, less than 1.0 mg/cm², have less potential for the OSHA PEL level of 50 ug/m³ to be reached during controlled disturbance. When conducting activities that involve the disturbance of any components containing lead-based paints, OSHA Construction Standard 29 CFR 1926.62 procedures should be implemented. At a minimum, this includes, negative exposure

assessments, training, medical surveillance, and personal protection. In addition, lead-based paint and lead-based painted components should be properly disposed in accordance with local, state, and federal regulations and requirements.

END OF SECTION

3.0 MOLD AND MOISTURE SURVEY

3.1 SUMMARY: On January 12th, 2023, Affinity Environmental Consulting, LLC (AEC) performed a non-destructive mold and moisture survey of the Davis Ventures Community Center located at 33478 US Highway 64 East in Engelhard, North Carolina. AEC was retained by INTREPID Architecture, PA to perform the survey prior to renovation of the building. The project included a non-destructive visual inspection for moisture intrusion and mold growth along with surface sample collection with laboratory analysis for mold spores.

3.2 PROJECT DESCRIPTION: AEC representative, Mr. Mike G. Cook, CIEC #0909002 conducted the visual mold and moisture survey and collected surface samples in the building. The following observations and notes were made in the following areas during the visual survey (Photographs attached in Appendix F):

1. The roof was observed to be in poor condition throughout. There are numerous tarps on section of the roof. The roof is caved in over the cafeteria dining room and adjacent gym corridor. There are various water damaged ceiling tiles located throughout the building.
2. Visible mold growth was observed on surfaces throughout the building. **(Photos #9, 10, 11, 12, 13, & 14).**
3. The ceilings are badly damaged in the cafeteria, gym corridor, and gym locker rooms from water damage. **(Photos #13, 14, 15, & 16).**

3.3 MOLD Surface Sampling: Two (2) representative tape lift samples were collected from surfaces where suspect visible black mold growth was observed in the building. The samples were sent by FedEx to Scientific Analytical Institute (SAI) in Greensboro, NC for analysis to determine the type of mold present if any. A direct examination allows for the immediate determination of the presence of fungal spores as well as what types of fungi are present. Most surfaces collect a mixture of fungal spores that are normally present in the environment. SAI performed laboratory analysis using SAI Method B-SOP-005.

TABLE 3 – Tape Lift Surface Sample Locations	
Sample #	Sample Location
T-01	Main Corridor Wall
T-02	Main Corridor Door Frame

See laboratory analysis attached in Appendix E.

3.3 CONCLUSIONS:

- 1) The roof was observed to be in poor condition throughout requiring repair.
- 2) Ceilings are damaged in the cafeteria, gym corridor, and gym locker rooms requiring repair.
- 3) Visible mold growth was observed on surfaces throughout the building.
- 4) Tape lift surface sampling results indicate that *Cladosporium* mold is present on surfaces throughout the Main Building. High levels of fruiting bodies and hyphal fragments were also observed on the tape lift samples which indicates active mold growth. *Cladosporium* mold species have been categorized as a potential allergens, pathogens, and toxin producers.

3.4 RECOMMENDATIONS:

- 1) Repair all roofing materials of the building.
- 2) Remove and dispose of all porous components and items throughout the building. This includes: ceiling tiles, HVAC flex ducts, carpet, ceiling and roofing debris, trash, etc. All fabric furniture, clothing, and other fabric items should be disposed of.
- 3) Either dispose of all HVAC units and metal ducting throughout the building or have them professionally cleaned and sanitized.
- 4) All remaining surfaces in the building should be professionally cleaned and sanitized.
- 5) A trained mold remediation contractor should be selected to perform recommendations 2 through 4 following US EPA protocol 402-K-01-001-Mold Remediation in Schools and Commercial Buildings.

3.5 CONDITIONAL STATEMENT: The analysis, conclusions, and recommendations submitted in this report are based on the investigation previously outlined and the data collected at the locations listed. This report does not reflect specific variations that may occur between test locations or any change that may occur due to environmental conditions varying over time. Statistically accurate measurements for indoor air contaminants can only be obtained by collecting multiple samples at multiple times of the day over multiple days. The samples were located where site conditions permitted and where it is believed representative conditions occur. Recommendations are made in accordance with generally accepted industrial hygiene principles and practices and are designed as a tool to assist the client based on information and data available at the time of the survey. The conclusions and recommendations in this report do not constitute medical or legal opinion. A licensed physician should be consulted for medical guidance. This report has been prepared for use by the Client identified in this report. If this

report is transferred to any other party or used for any other purpose without the express written authorization of Affinity Environmental Consulting, LLC (AEC), AEC will not be held liable or responsible for any decisions or outcomes made by such parties.

END OF SECTION

APPENDIX A

Asbestos Inspection Homogeneous Areas & Results

Asbestos Inspection Results Davis Ventures Community Center 33478 US Highway 264 East Engelhard, North Carolina

Homogeneous Area					Material Description			
Number	Description	Sample #	Sample Location	Total Asbestos % and Type	Location(s)	Estimated Quantity	Condition	Potential for Disturbance
A-01	Exterior Window Glazing MISC - NF	A-01-01	Main Building Front	4% Chrysotile	Throughout Main Building Window Units	57 Window Units	SD	PSD
		A-01-02	Main Building Rear	4% Chrysotile				
A-02	Top Layer of Roof Shingles MISC - NF	A-02-01	Main Building Roof	None Detected	Main Building Roof	14,000 SF	D	PSD
		A-02-02	Main Building Roof	None Detected				
A-03	Bottom Layer Roof Shingles & Felt MISC - NF	A-03-01A(shingles)	Main Building Roof	None Detected	Main Building Roof	14,000 SF	D	PSD
		A-03-01B(felt)	Main Building Roof	None Detected				
		A-03-02A(shingles)	Main Building Roof	None Detected				
		A-03-02B(felt)	Main Building Roof	None Detected				
A-04	2' x 4' Ceiling Tile (Chicken Track Pattern) MISC - F	A-04-01	Fitness Room	None Detected	Fitness Rooms & Restrooms	1,950 SF	D	PSD
		A-04-02	Men's Restroom	None Detected				
A-05	4" Black Vinyl Cove Base & Adhesive MISC - NF	A-05-01A(vinyl)	Fitness Room	None Detected	Throughout Main Building	Not Quantified	G	LPD
		A-05-01B(adhesive)	Fitness Room	None Detected				
		A-05-02A(vinyl)	Corridor	None Detected				
		A-05-02B(adhesive)	Corridor	None Detected				
A-06	9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) MISC - NF	A-06-01A(carpet glue)	Fitness Room	None Detected	Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum	9,700 SF	G	LPD
		A-06-01B(tile)	Fitness Room	6% Chrysotile				
		A-06-01B(brown mastic)	Fitness Room	None Detected				
		A-06-02A(tile)	Corridor	3% Chrysotile				
		A-06-02B(black mastic)	Corridor	8% Chrysotile				
		A-06-03A(tile)	Office Closet	5% Chrysotile				
		A-06-03B(black mastic)	Office Closet	None Detected				
		A-06-04A(tile)	Gym Corridor	3% Chrysotile				
A-06-04B(black mastic)	Gym Corridor	None Detected						
A-07	12" x 12" Pink Floor Tile and Mastic MISC - NF	A-07-01A(tile)	Corridor	None Detected	Top Layer of Flooring in Main Corridor and Office Area	2,250 SF	G	LPD
		A-07-01B(mastic)	Corridor	None Detected				
		A-07-02A(tile)	Corridor	None Detected				
		A-07-02B(mastic)	Corridor	None Detected				
		A-07-03A(tile)	Office Closet	None Detected				
		A-07-03B(mastic)	Office Closet	None Detected				

NOTE: Quantities Listed are for inspection purposes only. Quantities should be field verified for all other uses.				
SURF = Surfacing	F= Friable	SF = Square Feet	G = Good	LPD = Low Potential for Disturbance
MISC = Miscellaneous Material	NF = Non-friable	LF = Linear Feet	D = Damaged	PD = Potential for Disturbance
TSI = Thermal System Insulation	DNA = Did Not Analyze	CF = Cubic Feet	SD = Significantly Damaged	PSD = Potential of Significant Disturbance
	ND = None Detected			

Asbestos Inspection Results Davis Ventures Community Center 33478 US Highway 264 East Engelhard, North Carolina

Homogeneous Area					Material Description			
Number	Description	Sample #	Sample Location	Total Asbestos % and Type	Location(s)	Estimated Quantity	Condition	Potential for Disturbance
A-08	Sprayed-on Texture Ceiling Surfacing SURF - F	A-08-01	Corridor North	None Detected	Throughout Main Corridor of Building	1,450 SF	G	LPD
		A-08-02	Corridor Middle	None Detected				
		A-08-03	Corridor South	None Detected				
A-09	Green Linoleum Flooring MISC - NF	A-09-01(vinyl & mastic)	Break Room	None Detected	Top Layer of Flooring in Break Room	720 SF	G	LPD
		A-09-02(vinyl & mastic)	Break Room	None Detected				
A-10	Concrete Block Wall Coating MISC - F	A-10-01	Corridor	None Detected	Throughout Concrete Block Walls of Building	Not Quantified	G	LPD
		A-10-02	Fitness Room	None Detected				
		A-10-03	Gym	None Detected				
A-11	Plaster Ceiling SURF - F	A-11-01(finish & base)	Gym Corridor	None Detected	Gym Corridor & Gym Locker Rooms	810 SF	SD	PSD
		A-11-02(finish & base)	Gym Corridor	None Detected				
		A-11-03(mash sample)	Gym Locker Room	None Detected				
A-12	12" x 12" Red Floor Tile & Mastic MISC - NF	A-12-01A(tile)	Gym Locker Room	None Detected	Gym Locker Room	100 SF	G	LPD
		A-12-01B(mastic)	Gym Locker Room	None Detected				
		A-12-02A(tile)	Gym Locker Room	None Detected				
		A-12-02B(mastic)	Gym Locker Room	None Detected				
A-13	Mud Pipe Insulation Fitting (Elbows, T's, etc.) TSI - F	A-13-01	Gym Locker Room	None Detected	Fittings Throughout Gym Locker Rooms and Mechanical Room	25 Fittings	D	PSD
		A-13-02	Mechanical Room	None Detected				
		A-13-03	Mechanical Room	None Detected				
A-14	Black Chalkboard Mastic MISC - NF	A-14-01	Fitness Room	5% Chrysotile	Throughout Chalkboards of Building	Not Quantified	G	LPD
A-15	2' x 2' Decorative Ceiling Tile MISC - F	A-15-01	Dining Room	None Detected	Cafeteria Dining Room	250 SF	D	PSD
		A-15-02	Dining Room	None Detected				
A-16	Plaster Bulkhead SURF - F	A-16-01	Dining Room	None Detected	Cafeteria Dining Room	120 SF	D	PSD
A-17	2' x 4' Drywall Ceiling Tile MISC - F	A-17-01	Kitchen	None Detected	Cafeteria Kitchen	575 SF	D	PSD
		A-17-02	Kitchen	None Detected				

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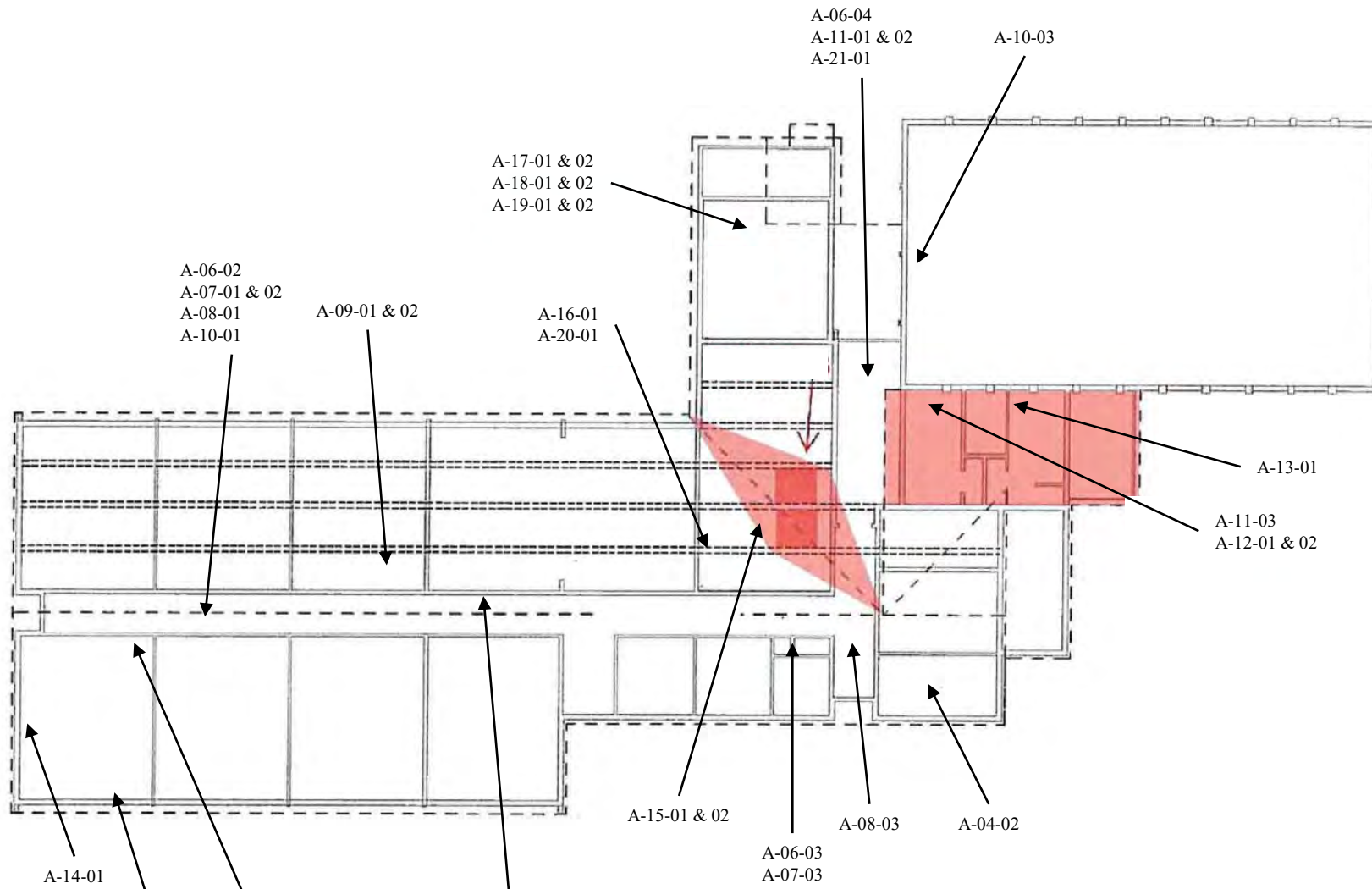
SURF = Surfacing	F= Friable	SF = Square Feet	G = Good	LPD = Low Potential for Disturbance
MISC = Miscellaneous Material	NF = Non-friable	LF = Linear Feet	D = Damaged	PD = Potential for Disturbance
TSI = Thermal System Insulation	DNA = Did Not Analyze	CF = Cubic Feet	SD = Significantly Damaged	PSD = Potential of Significant Disturbance
	ND = None Detected			


Asbestos Inspection Results Davis Ventures Community Center 33478 US Highway 264 East Engelhard, North Carolina

Homogeneous Area					Material Description			
Number	Description	Sample #	Sample Location	Total Asbestos % and Type	Location(s)	Estimated Quantity	Condition	Potential for Disturbance
A-18	Gray Flooring & Mastic MISC - F	A-18-01(flooring & mastic)	Kitchen	None Detected	Cafeteria Kitchen	575 SF	D	PSD
		A-18-02(flooring & mastic)	Kitchen	None Detected				
A-19	12" x 12" Gray Floor Tile & Mastic MISC - NF	A-19-01A(tile)	Kitchen	None Detected	Kitchen Dishwash Area	11 SF	G	LPD
		A-19-01B(mastic)	Kitchen	None Detected				
		A-19-02A(tile)	Kitchen	None Detected				
		A-19-02B(mastic)	Kitchen	None Detected				
A-20	Drywall & Joint Compound Wall MISC - F	A-20-01	Cafeteria Dining Room	None Detected	Cafeteria Dining Room	900 SF	G	LPD
A-21	Built-up Roofing Debris MISC - NF	A-21-01	Gym Corridor	None Detected	Roofing Debris on Floor in Gym Corridor	Not Quantified	G	LPD
A-22	Exterior Window Frame Caulking MISC - NF	A-22-01	Main Building Rear	4% Chrysotile	Throughout Main Building Window Units	57 Window Units	G	LPD
		A-22-02	Main Building Front	4% Chrysotile				
A-23	"Air-Cell" Straight Run Pipe Insulation TSI - F	Assumed Asbestos-Containing - No Samples Collected			Mechanical Room	10 LF	G	LPD
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MISC = Miscellaneous Material		NF = Non-friable		LF = Linear Feet		D = Damaged		PD = Potential for Disturbance
TSI = Thermal System Insulation		DNA = Did Not Analyze		CF = Cubic Feet		SD = Significantly Damaged		PSD = Potential of Significant Disturbance
		ND = None Detected						

APPENDIX B

Asbestos Bulk Sampling Location Drawing



Asbestos Bulk Sampling Locations	
Davis Ventures Community Center	
Engelhard, NC	
Scale: No Scale	
Date: 1/14/2023	
Drawn by: MGC	
AEC #23009	
	

APPENDIX C

Asbestos PLM Bulk Sample Laboratory Results



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
 P.O. Box 7153
 Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-01-01		4% Chrysotile		96% Other	White Non-Fibrous Homogeneous
10013885_0001					Ashed
A-01-02		4% Chrysotile		96% Other	White Non-Fibrous Homogeneous
10013885_0002					Teased, Ashed
A-02-01		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0003					Dissolved
A-02-02		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0004					Dissolved
A-03-01 - A		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0005	shingle				Dissolved
A-03-01 - B		None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
10013885_0047	felt				Dissolved, Teased
A-03-02 - A		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0048	shingle - not on coc				Dissolved
A-03-02 - B		None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
10013885_0049	felt - not on coc				Dissolved, Teased

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Byron Stroble (71)

Analyst

Approved Signatory

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-04-01		None Detected	45% Mineral Wool 45% Cellulose	10% Other	Gray Fibrous Homogeneous
10013885_0006					Teased, Ashed
A-04-02		None Detected	45% Mineral Wool 45% Cellulose	10% Other	Gray Fibrous Homogeneous
10013885_0007					Teased, Ashed
A-05-01 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0008	covebase				Ashed
A-05-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0050	mastic				Dissolved
A-05-02 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0009	covebase				Ashed
A-05-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0051	mastic				Dissolved
A-06-01 - A		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0010	mastic 1				Dissolved
A-06-01 - B		6% Chrysotile		94% Other	Brown Non-Fibrous Homogeneous
10013885_0052	tile				Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



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Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-06-01 - C		None Detected		100% Other	Brown Non-Fibrous Homogeneous
10013885_0053	mastic 2				Dissolved
A-06-02 - A		3% Chrysotile		97% Other	Green Non-Fibrous Homogeneous
10013885_0011	tile				Dissolved
A-06-02 - B		8% Chrysotile		92% Other	Black Non-Fibrous Homogeneous
10013885_0054	mastic				Dissolved
A-06-03 - A		5% Chrysotile		95% Other	Black Non-Fibrous Homogeneous
10013885_0012	tile				Dissolved
A-06-03 - B		None Detected		100% Other	Black Non-Fibrous Homogeneous
10013885_0055	mastic				Dissolved
A-06-04 - A		3% Chrysotile		97% Other	Green Non-Fibrous Homogeneous
10013885_0013	tile				Dissolved
A-06-04 - B		None Detected		100% Other	Black Non-Fibrous Homogeneous
10013885_0056	mastic				Dissolved
A-07-01 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0014	tile				Dissolved

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Byron Stroble (71)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-07-01 - B		None Detected		100% Other	White, Yellow Non-Fibrous Heterogeneous
10013885_0057	mastic/leveling compound				Dissolved
A-07-02 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0015	tile				Dissolved
A-07-02 - B		None Detected		100% Other	Yellow, White Non-Fibrous Heterogeneous
10013885_0058	mastic/leveling compound				Dissolved
A-07-03 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0016	tile				Dissolved
A-07-03 - B		None Detected		100% Other	Brown Non-Fibrous Homogeneous
10013885_0059	mastic				Dissolved
A-08-01		None Detected		90% Other 10% Vermiculite	White Non-Fibrous Homogeneous
10013885_0017					Teased
A-08-02		None Detected		90% Other 10% Vermiculite	White Non-Fibrous Homogeneous
10013885_0018					Teased
A-08-03		None Detected		90% Other 10% Vermiculite	White Non-Fibrous Homogeneous
10013885_0019					Teased

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By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



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 Asheville, NC 28802

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Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-09-01 - A		None Detected	30% Cellulose	70% Other	Brown Non-Fibrous Homogeneous
10013885_0020	vinyl sheet flooring				Teased
A-09-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0060	mastic				Dissolved
A-09-02 - A		None Detected	30% Cellulose	70% Other	Brown Non-Fibrous Homogeneous
10013885_0021	vinyl sheet flooring				Teased
A-09-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0061	mastic				Dissolved
A-10-01		None Detected		100% Other	White Non-Fibrous Homogeneous
10013885_0022					Dissolved
A-10-02		None Detected		100% Other	Blue Non-Fibrous Homogeneous
10013885_0023					Dissolved
A-10-03		None Detected		100% Other	Green Non-Fibrous Homogeneous
10013885_0024					Dissolved
A-11-01 - A		None Detected		100% Other	White Non-Fibrous Homogeneous
10013885_0025	finish				Crushed

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Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-11-01 - B		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0062	base				Crushed
A-11-02 - A		None Detected		100% Other	White Non-Fibrous Homogeneous
10013885_0026	finish				Crushed
A-11-02 - B		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0063	base				Crushed
A-11-03		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0027	single layer plaster				Crushed
A-12-01 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0028	tile				Dissolved
A-12-01 - B		None Detected		100% Other	Red Non-Fibrous Homogeneous
10013885_0064	mastic				Dissolved
A-12-02 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0029	tile				Dissolved
A-12-02 - B		None Detected		100% Other	Red Non-Fibrous Homogeneous
10013885_0065	mastic				Dissolved

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Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-13-01		None Detected	30% Mineral Wool	70% Other	Gray Non-Fibrous Homogeneous
10013885_0030					Teased
A-13-02 - A		None Detected	60% Cellulose	40% Other	White Fibrous Heterogeneous
10013885_0031	wrap				Dissolved, Teased
A-13-02 - B		None Detected	30% Mineral Wool	70% Other	Gray Non-Fibrous Homogeneous
10013885_0066	insulation				Teased
A-13-03 - A		None Detected	60% Cellulose	40% Other	White Fibrous Heterogeneous
10013885_0032	wrap				Dissolved, Teased
A-13-03 - B		None Detected	30% Mineral Wool	70% Other	Gray Non-Fibrous Homogeneous
10013885_0067	insulation				Teased
A-14-01		5% Chrysotile		95% Other	Gray, Beige Non-Fibrous Heterogeneous
10013885_0033					Crushed, Dissolved
A-15-01		None Detected	45% Cellulose 45% Mineral Wool	10% Other	Gray Fibrous Homogeneous
10013885_0034					Teased, Ashed
A-15-02		None Detected	45% Mineral Wool 45% Cellulose	10% Other	Gray Fibrous Homogeneous
10013885_0035					Teased, Ashed

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Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-16-01		None Detected	10% Cellulose	90% Other	White, Brown Non-Fibrous Homogeneous
10013885_0036					Teased
A-17-01		None Detected	10% Cellulose	90% Other	Brown, White Non-Fibrous Homogeneous
10013885_0037					Teased
A-17-02		None Detected	10% Cellulose	90% Other	Brown, White Non-Fibrous Homogeneous
10013885_0038					Teased
A-18-01 - A		None Detected	60% Cellulose	40% Other	Brown Fibrous Heterogeneous
10013885_0039	vinyl sheet flooring				Dissolved, Teased
A-18-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0068	mastic				Dissolved
A-18-02 - A		None Detected	60% Cellulose	40% Other	Brown Fibrous Heterogeneous
10013885_0040	vinyl sheet flooring				Dissolved, Teased
A-18-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0069	mastic				Dissolved
A-19-01 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0041	tile				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Byron Stroble (71)

Analyst

Approved Signatory

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
 P.O. Box 7153
 Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-19-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0070	mastic				Dissolved
A-19-02 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0042	tile				Dissolved
A-19-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0071	mastic				Dissolved
A-20-01		None Detected	10% Cellulose	90% Other	Brown, White Non-Fibrous Heterogeneous
10013885_0043	drywall:none detect; joint compound:none detect				Teased
A-21-01		None Detected	30% Cellulose	70% Other	Black Non-Fibrous Heterogeneous
10013885_0044					Dissolved
A-22-01		4% Chrysotile		96% Other	Gray Non-Fibrous Homogeneous
10013885_0045					Ashed
A-22-02		4% Chrysotile		96% Other	Gray Non-Fibrous Homogeneous
10013885_0046					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Byron Stroble (71)

Analyst

Approved Signatory



Scientific Analytical Institute
 4604 Dundas Dr. Greensboro, NC 27407
 Phone: 336.292.3888 Fax: 336.292.3313
 www.sailab.com lab@sailab.com

Lab Use Only
 Lab Order ID: 10013885
 Client Code: _____

Company Contact Information	
Company: Affinity Environmental Consulting, LLC	Contact: Mike Cook
Address: P.O. Box 7153	Phone <input type="checkbox"/> : (828) 508-3812
Ashville, NC 28802	Fax <input type="checkbox"/> :
	Email <input checked="" type="checkbox"/> : mcook@affinityenv.com

Asbestos Test Types	
PLM EPA 600/R-93/116 (PLM)	<input checked="" type="checkbox"/>
Positive stop	<input type="checkbox"/>
PLM Point Count 400 (PT4)	<input type="checkbox"/>
PLM Point Count 1000 (PTM)	<input type="checkbox"/>
PCM NIOSH 7400-A Rules (PCM)	<input type="checkbox"/>
B Rules (PCB) <input type="checkbox"/> TWA (PTA) <input type="checkbox"/>	
TEM AHERA (AHE)	<input type="checkbox"/>
TEM Level II (LII)	<input type="checkbox"/>
TEM NIOSH 7402 (TNI)	<input type="checkbox"/>
TEM Bulk Qualitative (TBL)	<input type="checkbox"/>
TEM Bulk Chatfield (TBS)	<input type="checkbox"/>
TEM Bulk Quantitative (TBQ)	<input type="checkbox"/>
TEM Wipe ASTM D6480-05	<input type="checkbox"/>
TEM Microvac ASTM D5755-02	<input type="checkbox"/>
TEM Water EPA 100.2 (TW1)	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>

Billing/Invoice Information	Turn Around Times	
Company: SAME	90 Min. <input type="checkbox"/>	48 Hours <input type="checkbox"/>
Contact:	3 Hours <input type="checkbox"/>	72 Hours <input type="checkbox"/>
Address:	6 Hours <input type="checkbox"/>	96 Hours <input type="checkbox"/>
	12 Hours <input type="checkbox"/>	120 Hours <input type="checkbox"/>
	24 Hours <input checked="" type="checkbox"/>	144* Hours <input type="checkbox"/>

PO Number: _____
 Project Name/Number: Davis Ventures Community Center

Sample ID #	Description/Location	Volume/Area	Comments
A-01-01			
A-01-02			
A-02-01			
A-02-02			
A-03-01			Accepted <input checked="" type="checkbox"/>
A-04-01			
A-04-02			Rejected <input type="checkbox"/>
A-05-01			
A-05-02			
A-06-01			
A-06-02			

Total # of Samples 46

Relinquished by	Date/Time	Received by	Date/Time
<i>Mike Cook</i>	1/13/23	<i>Don H. P. [Signature]</i>	1/14/23 1200

APPENDIX D

Lead Survey XRF Results

XRF PAINT TESTING DATA
 DAVIS VENTURES COMMUNITY CENTER
 33478 US HIGHWAY 264 | ENGELHARD, NC

TEST #	DATE	TIME	COLOR	SUBSTRATE	COMPONENT	LOCATION	PbC mg/cm ²	RESULT
1	1/12/2023	12:20:44	YELLOW	CMU	WALL	CORRIDOR	0.1	Negative
2	1/12/2023	12:21:06	YELLOW	CMU	WALL	CORRIDOR	0	Negative
3	1/12/2023	12:21:32	PINK	METAL	DOOR CASE	CORRIDOR	0.2	Negative
4	1/12/2023	12:21:48	PINK	METAL	DOOR CASE	CORRIDOR	0	Negative
5	1/12/2023	12:22:18	WHITE	DRYWALL	CEILING	CORRIDOR	0	Negative
6	1/12/2023	12:22:26	WHITE	DRYWALL	CEILING	CORRIDOR	0	Negative
7	1/12/2023	12:23:31	WHITE	WOOD	CEILING DECKING	FITNESS	0	Negative
8	1/12/2023	12:23:41	WHITE	WOOD	CEILING DECKING	FITNESS	0.3	Negative
9	1/12/2023	12:24:23	WHITE	CONCRETE	BEAM	FITNESS	0.6	Negative
10	1/12/2023	12:24:48	WHITE	CMU	WALL	FITNESS	0	Negative
11	1/12/2023	12:25:01	BLUE	CMU	WALL	FITNESS	0	Negative
12	1/12/2023	12:25:26	WHITE	METAL	WINDOW SASH	FITNESS	1	Positive
13	1/12/2023	12:25:49	WHITE	METAL	WINDOW CASE	FITNESS	0.9	Negative
14	1/12/2023	12:26:29	WHITE	METAL	DOOR	FITNESS	0	Negative
15	1/12/2023	12:31:32	YELLOW	WOOD	CHALKBOARD TRIM	FITNESS	0.6	Negative
16	1/12/2023	12:31:56	YELLOW	WOOD	CHALKBOARD TRIM	FITNESS	0.6	Negative
17	1/12/2023	12:32:17	YELLOW	METAL	RADIATOR	FITNESS	0	Negative
18	1/12/2023	12:32:43	YELLOW	METAL	WINDOW SASH	FITNESS	1.1	Positive
19	1/12/2023	12:35:06	WHITE	WOOD	CEILING DECKING	MEETING ROOM	0.1	Negative
20	1/12/2023	12:35:52	WHITE	CONCRETE	WINDOW HEADER	MEETING ROOM	0.7	Negative
21	1/12/2023	12:36:43	YELLOW	CMU	WALL	MEETING ROOM	0.3	Negative
22	1/12/2023	12:37:36	WHITE	WOOD	DOOR	MEETING ROOM	0.6	Negative
23	1/12/2023	12:37:52	WHITE	WOOD	DOOR CASE	MEETING ROOM	0.9	Negative
24	1/12/2023	12:38:30	WHITE	METAL	DOOR CASE	CORRIDOR	0.8	Negative
25	1/12/2023	13:00:11	WHITE	DRYWALL	WALL	CAFETERIA	0.1	Negative
26	1/12/2023	13:00:34	WHITE	WOOD	DOOR	CAFETERIA	0	Negative
27	1/12/2023	13:02:21	RED	CONCRETE	FLOOR	OFFICE	0.1	Negative
28	1/12/2023	13:02:55	GREEN	WOOD	SHELVING	OFFICE	0	Negative
29	1/12/2023	13:05:10	WHITE	WOOD	CEILING	OFFICE	0.1	Negative
30	1/12/2023	13:05:32	YELLOW	CMU	WALL	OFFICE	2.5	Positive
31	1/12/2023	13:05:45	YELLOW	CMU	WALL	OFFICE	0	Negative
32	1/12/2023	13:06:04	YELLOW	CMU	WALL	OFFICE	1.8	Positive
33	1/12/2023	13:06:16	YELLOW	CMU	WALL	OFFICE	0.1	Negative
34	1/12/2023	13:06:27	YELLOW	CMU	WALL	OFFICE	0	Negative
35	1/12/2023	13:07:09	YELLOW	METAL	WINDOW SASH	OFFICE	1.7	Positive
36	1/12/2023	13:07:23	YELLOW	METAL	WINDOW CASE	OFFICE	3	Positive
37	1/12/2023	13:07:55	WHITE	WOOD	DOOR CASE	OFFICE	0.8	Negative
38	1/12/2023	13:08:58	RED	METAL	DOOR	RESTROOM	1.5	Positive
39	1/12/2023	13:09:11	RED	METAL	DOOR CASE	RESTROOM	1.5	Positive
40	1/12/2023	13:09:43	WHITE	METAL	DOOR CASE	EXIT DOOR	0	Negative
41	1/12/2023	13:09:58	WHITE	METAL	DOOR	EXIT DOOR	0.1	Negative
42	1/12/2023	13:10:23	WHITE	CMU	WALL	RESTROOM	0.2	Negative
43	1/12/2023	13:10:39	WHITE	CONCRETE	WALL	RESTROOM	0.1	Negative
44	1/12/2023	13:11:00	WHITE	PORCELAIN	SINK	RESTROOM	0	Negative
45	1/12/2023	13:11:53	WHITE	PLASTER	CEILING	RESTROOM	0.2	Negative
46	1/12/2023	13:13:02	GRAY	BRICK	WALL	RESTROOM	0.2	Negative

XRF PAINT TESTING DATA
 DAVIS VENTURES COMMUNITY CENTER
 33478 US HIGHWAY 264 | ENGELHARD, NC

TEST #	DATE	TIME	COLOR	SUBSTRATE	COMPONENT	LOCATION	PbC mg/cm ²	RESULT
47	1/12/2023	13:13:22	GRAY	METAL	DOOR	RESTROOM	0.1	Negative
48	1/12/2023	13:13:39	RED	METAL	DOOR CASE	RESTROOM	0.4	Negative
49	1/12/2023	13:14:09	RED	METAL	DOOR CASE	LOCKER ROOM	0.4	Negative
50	1/12/2023	13:14:37	WHITE	PLASTER	CEILING	LOCKER ROOM	0.1	Negative
51	1/12/2023	13:15:02	YELLOW	CMU	WALL	LOCKER ROOM	0	Negative
52	1/12/2023	13:15:25	WHITE	CMU	WALL	GYM	0	Negative
53	1/12/2023	13:15:34	WHITE	CMU	WALL	GYM	0	Negative
54	1/12/2023	13:16:00	RED	WOOD	DOOR	GYM	0	Negative
55	1/12/2023	13:16:20	RED	METAL	DOOR	GYM	0.1	Negative
56	1/12/2023	13:18:07	GREEN	METAL	DOOR	EXTERIOR	0.1	Negative
57	1/12/2023	13:18:22	GREEN	METAL	DOOR CASE	EXTERIOR	0	Negative
58	1/12/2023	13:18:46	BLACK	METAL	WINDOW SASH	EXTERIOR	1.5	Positive
59	1/12/2023	13:19:20	WHITE	CONCRETE	WINDOW HEADER	EXTERIOR	1.3	Positive
60	1/12/2023	13:19:36	WHITE	CONCRETE	WINDOW HEADER	EXTERIOR	1.5	Positive
61	1/12/2023	13:27:55	WHITE	CMU	WALL	MECH ROOM	0	Negative
62	1/12/2023	13:29:11	GREEN	METAL	DOOR	MECH ROOM	0.9	Negative
63	1/12/2023	13:30:50	WHITE	CMU	COLUMN	EXT GYM	0	Negative
64	1/12/2023	13:31:18	RED	METAL	COLUMN	EXT GYM	0.2	Negative
65	1/12/2023	13:32:18	TAN	CMU	WALL	EXT CAFÉ	0.1	Negative
66	1/12/2023	13:32:43	BROWN	METAL	DOOR	EXT CAFÉ	0	Negative
67	1/12/2023	13:36:09	WHITE	METAL	FASCIA	EXTERIOR	0.8	Negative
68	1/12/2023	13:36:47	BEIGE	CMU	WALL	EXTERIOR	0.3	Negative
69	1/12/2023	13:37:15	BLACK	METAL	WINDOW SASH	EXTERIOR	0.8	Negative
70	1/12/2023	13:37:34	BLACK	METAL	WINDOW SASH	EXTERIOR	0.9	Negative
71	1/12/2023	13:39:42	WHITE	WOOD	EAVE	EXTERIOR	3	Positive

APPENDIX E

Mold Surface Sampling Laboratory Analysis Data

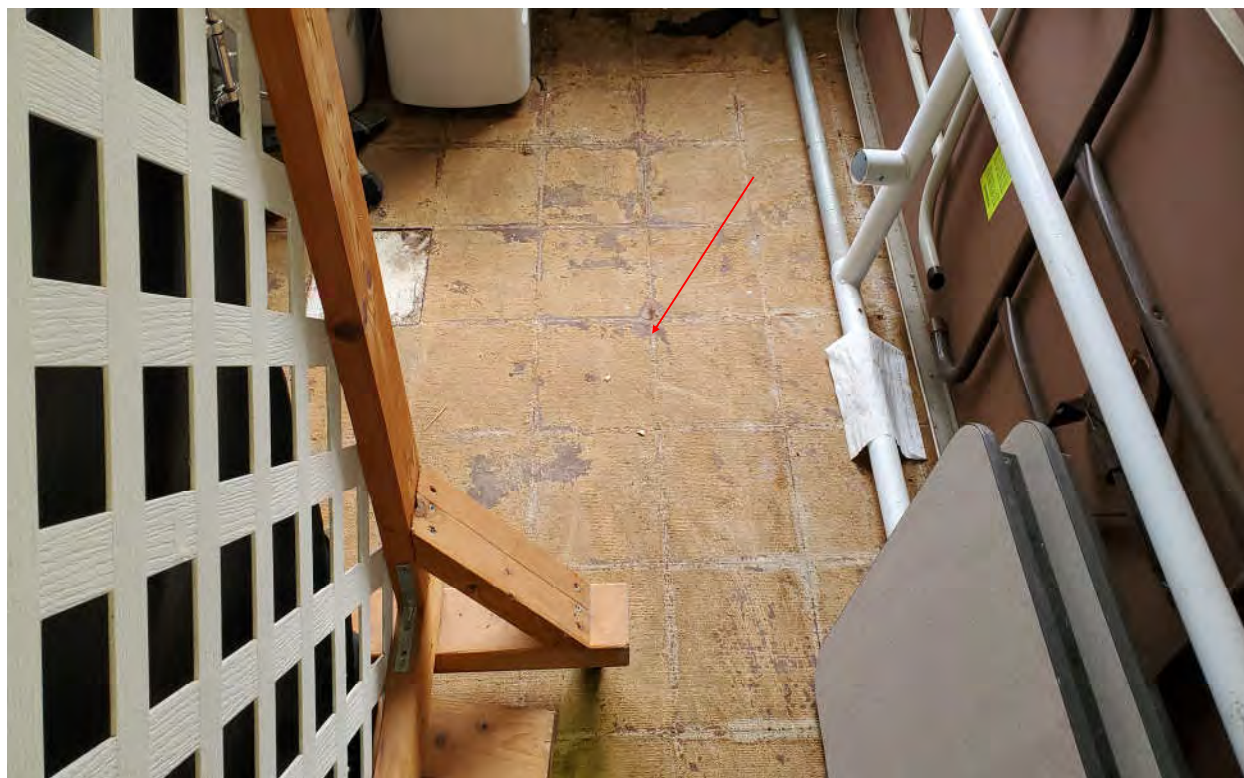
APPENDIX F

Photographs

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 1 - Homogeneous Areas A-01 & A-22—Typical Asbestos-Containing Exterior Window Glazing and Window Frame Caulking Located Throughout Main Building Window Units. (57 Window Units)

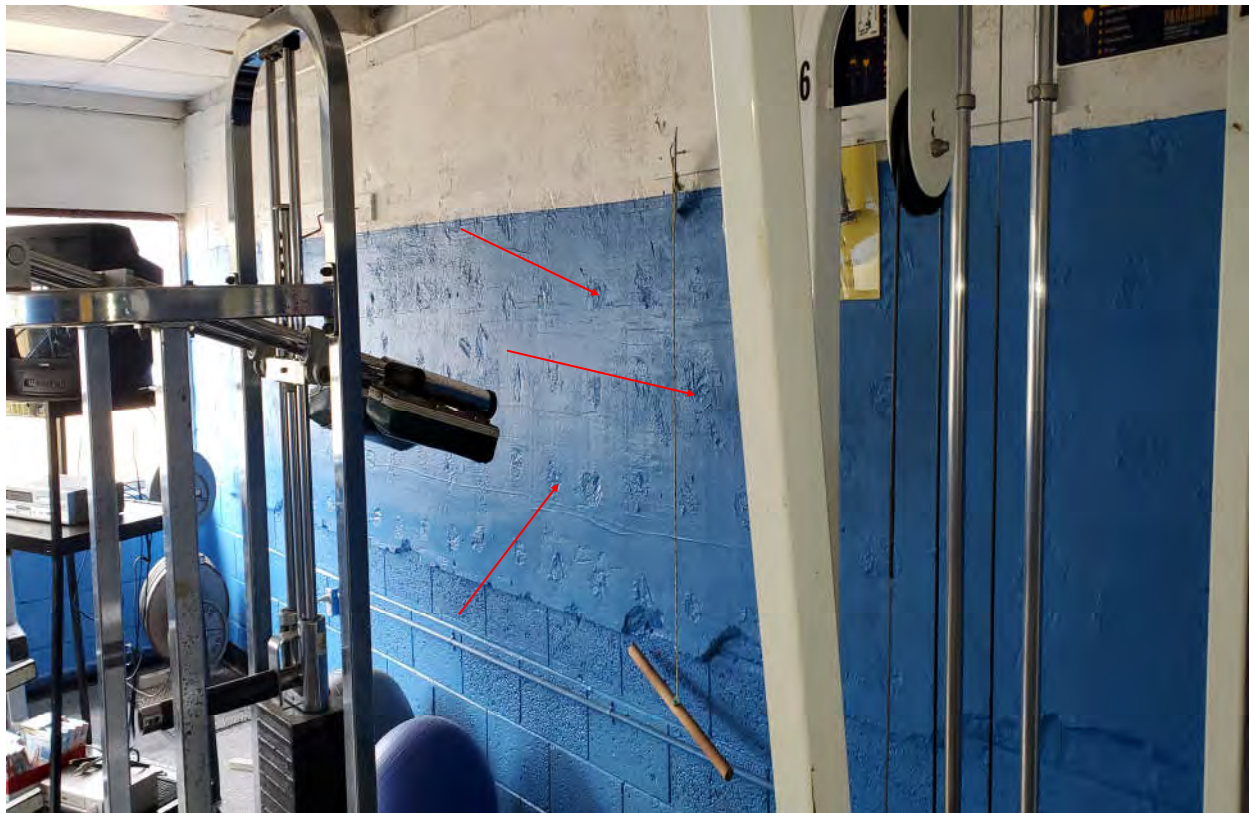


Photograph 2 - Homogeneous Area A-06—Typical Asbestos-Containing 9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) Located as Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum (9,700 SF)

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 3 - Homogeneous Area A-06 - Typical Asbestos-Containing 9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) Located as Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum



Photograph 4 - Homogeneous Areas A-14—Typical Asbestos-Containing Chalkboard Mastic Located Throughout Main Building Chalkboards.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 5 - Homogeneous Area A-23 - Asbestos-Containing “Air-Cell” Straight Run Pipe Insulation Located Overhead in the Mechanical Room. (10 LF)



Photograph 6 - Typical Lead-Based Paint Throughout Interior and Exterior Metal Window Components (Sashes & Casings), Concrete Window Headers, & Wooden Eaves of Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 7 - Typical Lead-Based Paint on Red Doors and Dooring Casings in Restrooms of Main Building.



Photograph 8 - Typical Lead-Based Paint on CMU Walls in This One Room Only in Office Area in Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 9 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.



Photograph 10 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 11 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.



Photograph 12 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**

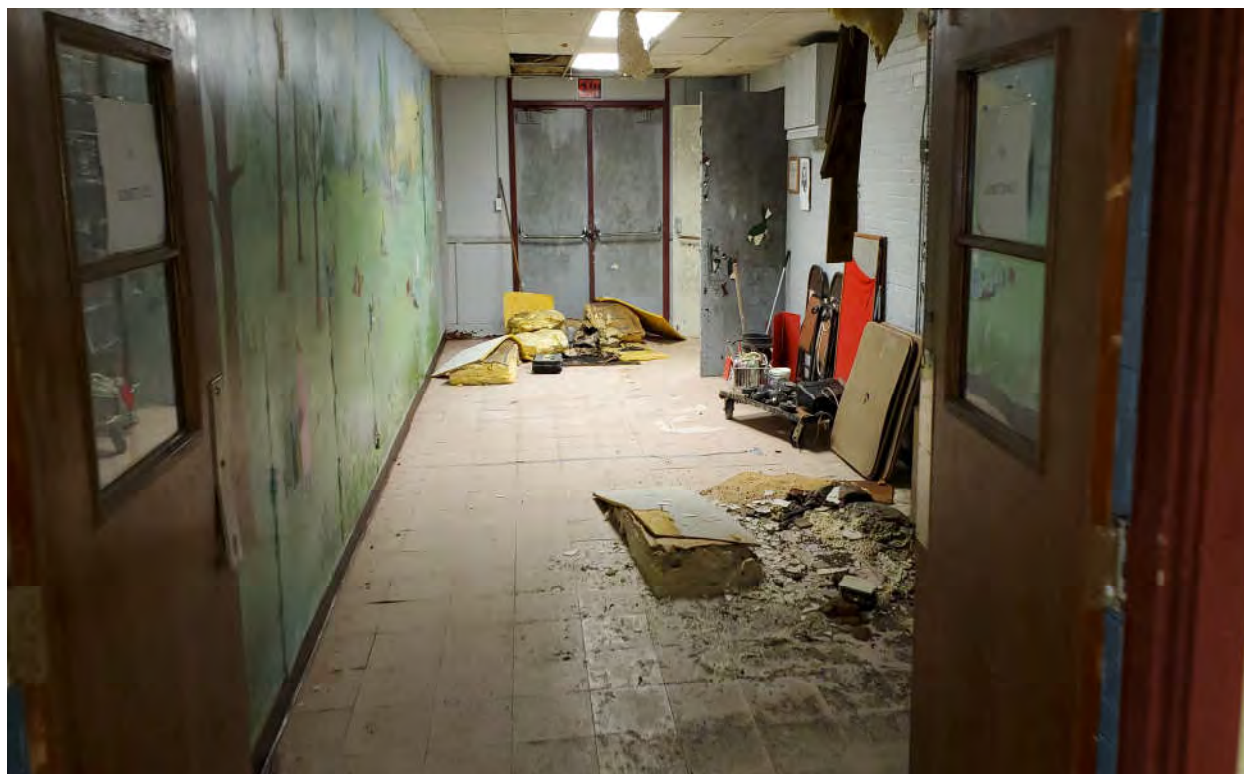


Photograph 13 - Typical Moisture Damage & Mold Growth in Cafeteria from Damaged Roof.



Photograph 14 - Typical Moisture Damage & Mold Growth on Walls, Door Components, & Other Surfaces in the Cafeteria from Damaged Roof.

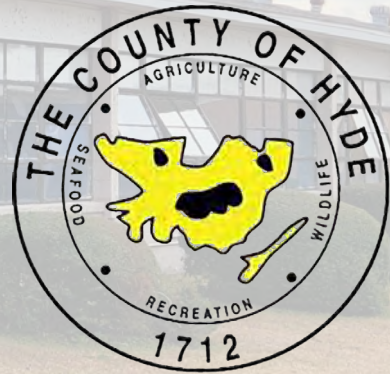
**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 15 - Typical Water Damage & Mold Growth in Gym Corridor from Damaged Roof.



Photograph 16 - Typical Moisture Damage & Mold Growth on Walls, Door Components, & Other Surfaces in the Gym Locker Rooms from Damaged Roof.



DRAFT
CONDITIONS ASSESSMENT

DAVIS VENTURES BUILDING
HYDE COUNTY, NC

FEBRUARY 13, 2023



CONTENTS





SECTION 1:	EXECUTIVE SUMMARY
SECTION 2:	CONDITIONS ASSESSMENT ARCHITECTURAL STRUCTURAL MECHANICAL, PLUMBING, ELECTRICAL HAZARDOUS MATERIALS / ENVIRONMENTAL
SECTION 3:	ESTIMATED TOTAL COST
SECTION 4:	RECMOMENDATIONS & PHASING



1 EXECUTIVE SUMMARY

On January 12, 2023 Dani Hoff and Albi McLawhorn of INTREPID Architecture along with their consultant design team including Engineering Source of NC, RPA Engineering, and Affinity Environmental Consulting visited the Davis Ventures Building located in Englehard, NC. The purpose of this visit was to evaluate, assess, and measure the existing conditions of the facility. This report serves as a summary of our findings and recommendations for the building.

SYNOPSIS OF FINDINGS AND RECOMMENDATIONS

The facility is in better condition than expected considering when the storm damage occurred, and how long the facility has been vacant and open to the elements. Despite this, there are several areas of the building that are in a serious state of deterioration. The building envelope needs to be secured as quickly as possible to stop further deterioration. These repairs include:

1. Repair the structural roof damage, install hurricane ties, and re-roof the gabled portion of the building.
2. Abate the hazardous materials throughout the building (ie - lead paint on walls and door frames, asbestos pipe insulation, asbestos in floor tile, asbestos in mastic adhesives, etc).
3. Remediate the entire facility for mold contamination. Based on the design team's collective professional opinion, this means demolishing and removing all porous materials throughout the facility (gypsum board, plaster, carpet, casework, ceiling tiles, etc.). This report also recommends removing all mechanical ductwork throughout the building because of the level of mold contamination expected on and within the duct system. Cleaning the existing ductwork is possible, however, in the design team's collective professional opinion, the safest option to protect the indoor air quality would be to remove the existing ductwork and replace it with new.
4. Abate and remove the existing windows. Hazardous materials were found in the form of lead paint on the frames and asbestos-containing window glazing and frame caulking.
5. Replace the windows with new energy-efficient double pane, low-e insulated glass in thermally broken windows or storefront.

Several other recommendations are included as part of this report that stem from the storm damage and subsequent exposure to moisture and the elements since that time, as well as latent issues with the facility that may have been present before the storm (ie – broken windows, rusting doors, building systems that are at, or beyond their useful life cycle, etc). This is a departure from the previous report done by Cahoon+Kasten in 2021 which focused exclusively on the storm damage.



The opinion of probable cost to complete all the recommendations included herein is in excess of \$3.6 million. The current available budget is \$787,000, with \$262,000 from FEMA and \$525,000 from a Community Development Block Grant (CDBG). Both of these funding sources specifically identify the scope the funds are to be used for (FEMA for interior items, and CDBG for the roof replacement). Phasing the work will be required, and this report includes recommendations on how to split the work into pieces. At the time of this report, only the first phase is funded, and we recommend completing the most critical repairs to secure the building envelope. Based on our opinion of probable cost, phase 1 can include items 1, 2, and 3 listed above. No other scope can be accommodated with the available funding. The building will not be occupiable at the conclusion of phase 1.

Phase 2 focuses on the remaining building envelope repairs (windows, doors, insulation, etc), and a portion of mechanical, electrical, and plumbing work. The goal with this 2nd phase is a portion of the building could be occupied at the conclusion of work. Phase 3 focuses on the remaining mechanical and electrical work as well as replacing/repairing the interior finishes.

PROJECT HISTORY

The Davis Ventures building is a culturally significant historic structure with a rich history in the civil rights movement. The County is exploring the possibility of putting the building on the historic record as a culturally significant site. The team initially explored the possibility/need of removing the retrofitted gable roof and restoring the original monitor and flat roofs of the structure. However, due to the budget and time constraints, this effort was abandoned for the time being. The work being performed will be done so that the removal of the gabled roof can occur at some time in the future should the right funding be obtained. The original flat roof and monitor is pictured below.

In the 2010's, the Davis Ventures building served as a community center providing vital programming to Hyde County, NC and beyond including recreational sports, after-school programs, summer camp, and many other community-centered programs. In 2016 hurricane Matthew damaged the roof of the building rendering some portions of the building unusable. In 2019 hurricane Dorian damaged the building further. Portions of the roof collapsed, and several areas had shingles blown off the roof. Since that time, the building has remained unused and predominately open to the elements. The facility is in a serious state of disrepair and will require significant investment to return to full use.

An existing conditions survey was performed in 2021 by Cahoon+Kasten Architects which began



to identify the existing items that need repair and associated costs. FEMA and CDBG funding was granted to Hyde County for the repair of this facility, and soon after, INTREPID Architecture was engaged by Hyde County to produce construction documents for the repairs. Since a significant amount of time elapsed between the Cahoon+Kasten study and INTREPID Architecture's involvement in the project, INTREPID Architecture started the process by completing a current existing conditions assessment. This report includes this information.

BASIC BUILDING DATA

The building is a 1-story concrete slab-on-grade facility with load-bearing concrete masonry units (CMU) and brick veneer exterior walls, originally built as a classroom building and gymnasium. Based on field measurements, there is little to no cavity between the brick and block. The original roof (still in place) is a flat roof system of tongue and groove wood decking with a taller central clerestory monitor down the middle. The original structure was then retrofitted with pre-engineered wood trusses over the existing roof to create the asphalt-shingle gabled roof the building has today. The gymnasium portion of the facility has a flat roof and remains in good condition. The interior walls are constructed of CMU throughout and are also assumed to be load-bearing.

EXISTING CONDITIONS ASSESSMENT

The facility is in a serious state of deterioration in some places due to the significant storm damage in 2016 and 2019, with little to no repair work done since that time. The most pressing item to address as quickly as possible is securing the building envelope to prevent moisture, wildlife, etc. from entering the building. There is a portion of the roof that has completely collapsed leaving the building open to weather and wildlife. There are other areas of the building where there was some minor shingle damage that has been temporarily secured by tarps. Many windows throughout the building have broken window panes allowing moisture to enter the building and leave the facility unsecure. If these items are not addressed first, the interior of the building will continue to deteriorate due to moisture intrusion. The gym/multipurpose building floor is buckled and has evidence of mold growing under the floor. The floor is a recessed sport floor, and it appears as if water is blowing under the doors and/or in the louvers and pooling under the floor causing ongoing moisture issues. A wood floor in this space is not recommended for this reason, and this report will recommend infilling the recessed slab with concrete and installing a rubber sport floor throughout to avoid any concern of future buckling due to flooding and/or wind-driven rain intrusion.

Structural remediation work needed includes the replacement of the roof structure that has collapsed as well as the removal and replacement of damaged or rotted roof decking, top plates where the trusses bear, etc. The team also discovered that the existing pre-engineered retrofit roof structure



does not appear to be fastened to the top plates. Installation of hurricane ties is recommended throughout. The structural assessment can provide additional information on the needed structural remediation.

Because the building has been left to the elements for so long, the inside of the building has mold and mildew throughout. All porous items (ceiling tile, gypsum board, wood, carpet, HVAC duct, etc) will need to be removed and disposed of, and all surfaces will need to be cleaned and sanitized by a mold removal/remediation specialist.

Many of the building systems (HVAC, plumbing, electrical) are at the end of their life expectancy, even despite the storm damage, and would likely need to be replaced soon. The water service was turned off to the building at the time of our visit, so these systems could not be tested. The mechanical system is recommended to be completely replaced from the units to the ductwork. The commercial kitchen hood was observed to have water dripping out of it at the time of the site visit, which means all electrical and mechanical components of the hood have been exposed to water. A licensed commercial kitchen hood contractor should be engaged to evaluate the hood. All kitchen equipment should also be evaluated and serviced by a kitchen equipment contractor to ensure proper working condition. The existing steam/hot water radiators appeared to be abandoned, and if that is the case, then all elements of the system should be demolished, including radiators, piping, and boiler. If the system was being used prior to the storm damage, a licensed mechanical contractor should be contracted to evaluate and service the boiler to ensure proper working order. Any electrical component that was exposed to water will need to be replaced. There was evidence throughout the building that many of the spaces have water damage, and a licensed electrical contractor should be engaged to evaluate that all wiring, panels, receptacles, emergency and egress fixtures, etc. are in proper working order.

CURRENT PROJECT FUNDING

The current funding for the project includes \$262,000 from FEMA and \$525,000 from CDBG, totaling \$787,000 for the total available funds for the project. Upon the onset of this project, INTREPID Architecture was confident that the current available funding was not going to be enough to return the entire building to clean working order. In order to serve Hyde County, Davis Ventures, and the community best, INTREPID Architecture believes the primary focus of the project should be to stabilize the building envelope. Based on our initial scoping meetings and project proposal, we understand the FEMA funds are intended to be used exclusively for interior items, while the CDBG



funds are intended to be used to address building roof/envelope issues.

TOTAL REPAIR/RENOVATION COSTS

During the initial scoping meetings, the design team learned the overall goal of the County and Davis Ventures is to return the building to a condition where it could be fully operational as a community center and after-school center. The Owner representatives and the design team understand that this goal falls outside of the current funding allocated to the project, however, a road map is needed to help achieve this long-term goal. To help with this goal, the design team assessed the current conditions of the building through this mind frame and assessed the conditions in a more holistic manner to help determine this road map to full operation.

Based on the preliminary findings and recommendations, the total cost to return the facility to full working order including all items that are attributed to the storm damage, as well as general items found to be at the end of their useful life, is \$3,651,129 (all in cost including soft costs). This estimate includes no escalation and represents an estimate based on the current construction market. Please refer to the detailed cost estimate included herein for a breakdown of all the work included in the estimate.

PHASING

The estimate noted above is clearly very far from the currently available budget of \$787,000. To this end, the design team generated a suggested phasing plan to complete the full breadth of work as recommended within this report. The first phase focuses on using the grant funding from FEAM and CBDG as outlined in the original proposal as closely as possible. The recommended phase 1 scope includes as many of the highest priority items (securing the building envelope) as identified by FEMA, CDBG, and the Design Team as the budget allows. The phase 1 scope is recommended to include:

1. Hazardous materials abatement and mold remediation throughout the entire building
2. Roof structural repairs including the area that has collapsed, top plate repairs where the roof ties into the masonry walls and installing hurricane ties around the perimeter of the gabled portion of the building.
3. Re-roofing the entire gabled portion of the building including sheathing repairs, new water-proofing layer, shingles, drip edge, fascia, and soffits.

Securing the building envelope is the highest priority item in order to stop water and moisture intrusion into the building. If this is not done correctly and completely, the mold problem will persist. The Phase 1 scope does not include the window repair/replacement due to budget constraints, however, this is



an urgent need due to the many broken window panes observed throughout. The hazardous material abatement and mold remediation will include the demolition of all items on the interior as identified herein, however, no other interior work can be accommodated within the available current funding.

Phases 2 and 3 show how a similar budget as phase 1 can accomplish the full renovation of the building. Focusing on the higher priority items in phase 2 including replacement of the windows and exterior doors, installation of new electrical systems, testing and repair of the existing plumbing system, and partial replacement of the HVAC units and ductwork. Phase 3 includes the remaining replacement of lights throughout the building, replacement of the remaining HVAC units and installation of new duct work, evaluation and repair of the kitchen equipment and hood, and updated finishes and bathrooms to meet the programmatic needs of the users and current code requirements.

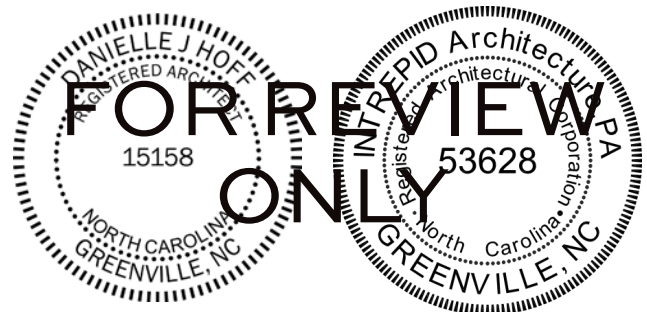
CONCLUSION

The current facility is generally in better condition than one would expect after the serious storm damage it has sustained. The highest priority that will stop the continued deterioration of the building is to secure the building envelope. In order to perform this work, intensive hazardous materials abatement and mold remediation are needed throughout the facility. No other work can be performed until this is complete. Immediately following this work, the roof structure needs to be repaired and a new roof to be installed over the entire gabled portion of the building. Unfortunately, due to budget constraints, this is the scope of work that can be accommodated in phase 1. Phase 2 is recommended to include the window replacement as it is the next highest priority, as well as the replacement/repair of the electrical and HVAC systems to ensure the building remains mold-free. Lastly, updated finishes and bathrooms are recommended for phase 3 to meet the user's programmatic and current code requirements.

On behalf of the entire design team, we appreciate the opportunity to help Hyde County and Davis Ventures in your efforts to return this facility back to full use by the community. We look forward to seeing this project through the completion and beyond!

Sincerely,

Danielle J. Hoff, AIA, NCARB
Architect
INTREPID Architecture, PA
p: 1.252.270.5330
c: 701.388.0422
e: danih@intrepidarchitecture.com





2 CONDITIONS ASSESSMENT ARCHITECTURAL

The report on the following pages represents the architectural findings and recommendations for the facility based on the design team site visit in January 2023. The findings are recommendations are organized into sections for clarity. A floor plan of the facility is included prior to each section with the issues tagged. Following the floor plan with tags are the issues listed with the number, issue description, recommendations, and photos as well for visual reference.

SUMMARY

The overall architectural findings align with the previous report by Cahoon+Kasten as well as FEMA and CDBG. The building envelope must be secured as soon as possible to stop the deterioration of the facility. The highest priority among the envelope issues is the roof due to the collapse and active leaks throughout. The second highest priority is to remove and replace the existing wall louvers around the gym. These louvers appear to be non-hurricane rated, which means when a driving rain occurs, the water can blow right into the building. This is evidenced by the serious damage seen on the wood sport floor. The third highest priority is removing and replacing the windows throughout the facility. The existing windows are single plane, many with broken glass and rotted sashes throughout. Repairing the roof without also removing/replacing the windows will not be an effective remedy for the overall health of the building. The remaining items noted throughout the report are lower priority, as the timeline on fixing those items will not affect the rate of deterioration of the facility. However, in order to occupy the building again, they do need to be addressed.

Items that we do not include in the recommendations that should be noted include:

- 1.Re-roofing the flat roof area over the gym is not a current recommendation. The existing roof is likely at the end of its life cycle, however, there are no active leaks, and was not inspected as part of this scope. This will be an item the County should plan for as part of Renovation and Repair projects within the next 5 to 10 years.

- 2.Only testing and servicing of the mechanical and electrical systems in the gym is included. No mechanical or electrical work in the gym is recommended at this time. This report assumes they were in working order prior to the storm, and the gym has limited damage (water damage to the



Roof collapse view from the roof.



Roof collapse view from the roof.

floor only), so it is assumed that these items will continue to work after service and testing is complete.

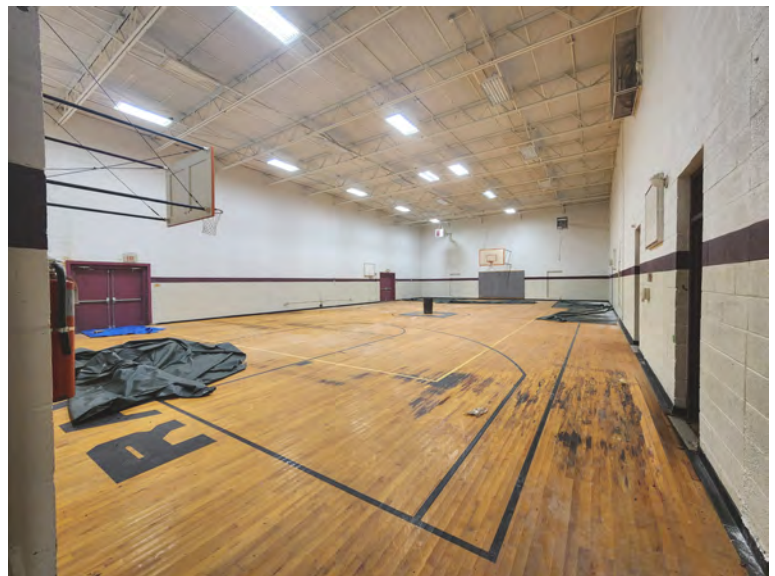
3. No installation of a new air conditioning system in the gym is included as a recommendation. Prior to the storm damage, the gym had a unit heater to prevent the space from freezing in the winter and no air conditioning.

4. No programmatic assessment of how the user utilizes the spaces is included in this assessment. This report assumes that the function and use of all spaces shall remain as it was prior to the storm damage.

5. Kitchen Equipment replacement and testing are excluded from the opinion of probable cost. This is an item that is typically handled by a kitchen equipment supplier/designer, and those parties will have a better understanding of how water damage could affect the pieces, and how to address the testing/repairs/replacement. We do recommend that a kitchen equipment supplier/contractor is engaged to carry out this testing and subsequent recommendations.



Broken window glass and rotted sashes.



Water damage on wood sport floor.



Water damage to locker rooms.



Water damage to dining area. Daylight visible through hole.



Deteriorating exterior doors.



Painted plywood sheathing over masonry veneer.



Existing Men's Restroom - Minor ADA compliance concerns.



Existing Women's Restroom - Minor ADA compliance concerns.



Water damage to commercial kitchen.



Water damage to commercial kitchen.



Classroom hallway with visible mold on walls.



Classroom with evidence of moisture throughout (wrinkled carpet, smell, visible mold, etc.)



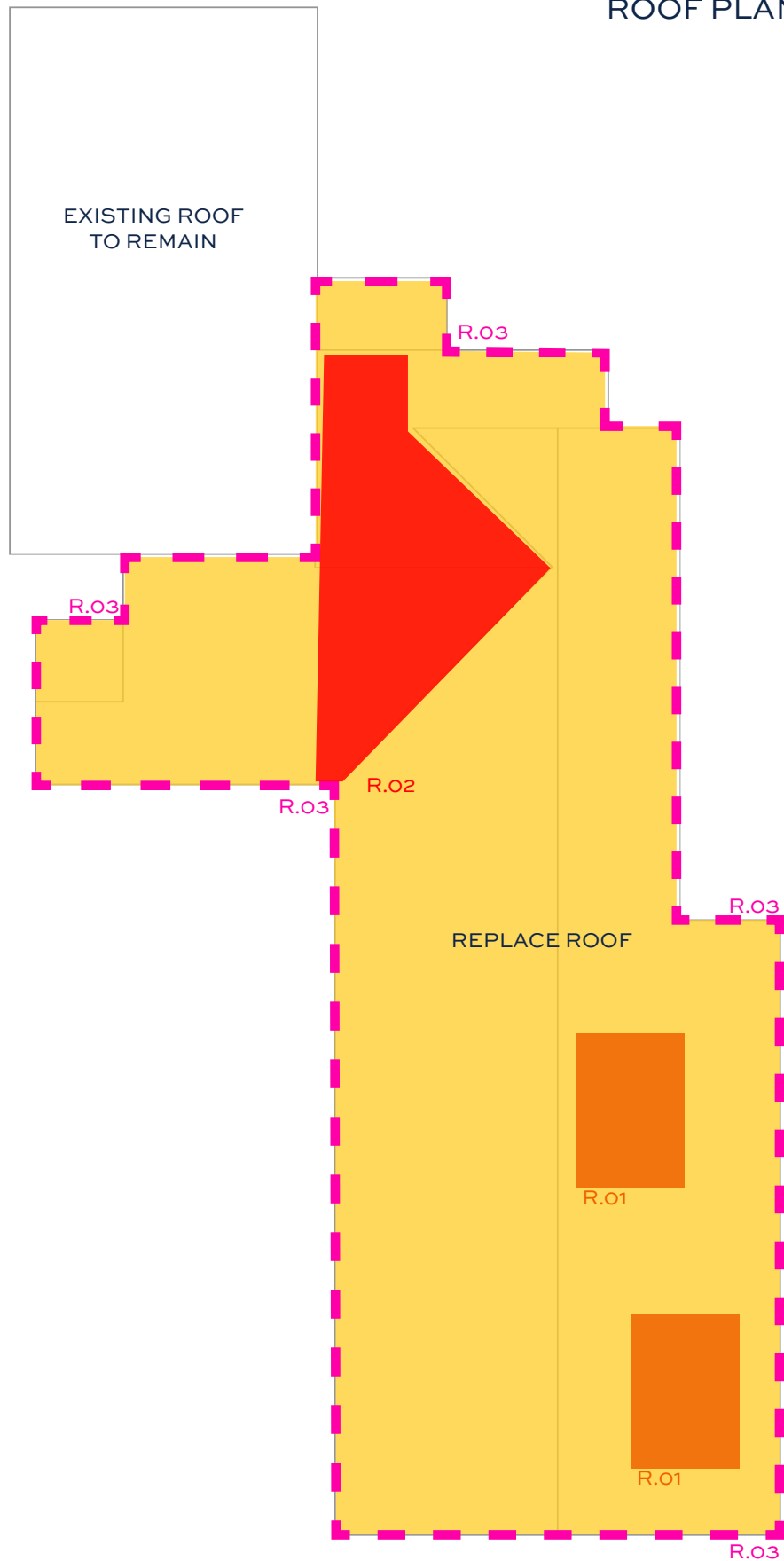
deteriorating soffit condition.



Classroom with evidence of moisture throughout (wrinkled carpet, smell, visible mold, etc.)

ROOF



ROOF PLAN




Conditions Assessment of the Davis Center

Hyde County

Date Prepared: 02/09/2023

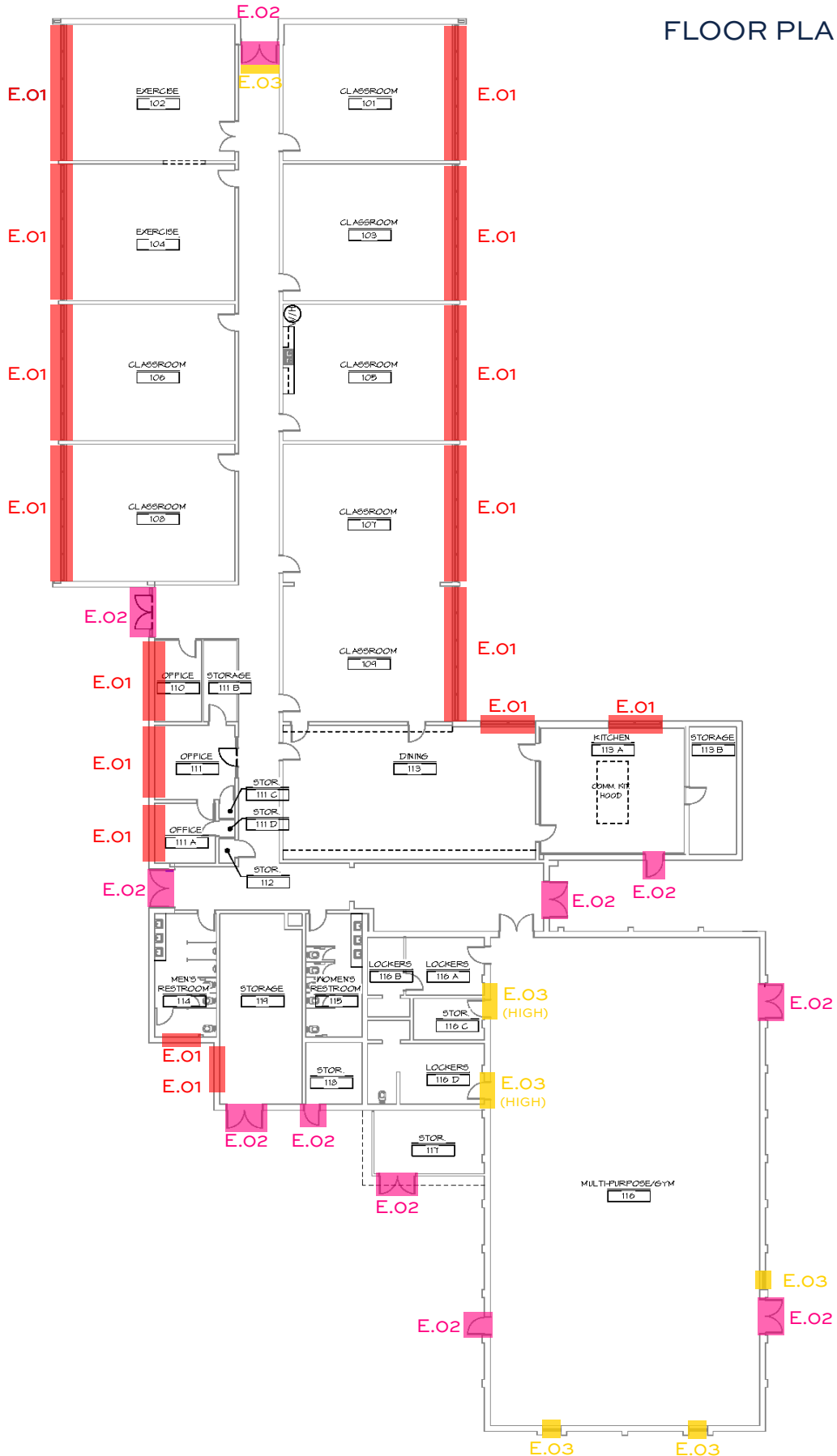
Item	Description	Recommendation	Photos
Roof			
R.01	Several locations where the roof is covered by tarps.	Remove and replace shingles, examine sheathing for damage/rot and replace as needed. Install new waterproofing sheet and shingles.	
R.02	Roof caved in, severe structural and roof damage.	Remove portions of roof and structure where caved in and damaged. Replace damaged roof trusses, install new sheathing, waterproofing sheet, and shingles.	


Item	Description	Recommendation	Photos

Item	Description	Recommendation	Photos
R.03	Failing/disintegrating aluminum soffit panels and original wood deck above.	remove soffit panels, fascia, drip edge, and rotting/damaged wood deck. Replace wood decking where needed, install new drip edge, fascia, and soffit panels around perimeter of building.	



EXTERIOR WALLS/ENVELOPE

FLOOR PLAN



Item	Description	Recommendation	Photos
Exterior Walls/Envelope			
E.01	<p>Windows are failing with many rotted/rusting sashes, broken window panes, etc. Windows are single pane glass. The building is not able to be secured, and with broken window panes, moisture infiltration is a serious concern.</p>	<p>Remove and replace windows with aluminum storefront framing and Low-E coated insulated glazing units. Mullion patterns should match the existing window patterning. Existing windows are operable. If building does not have air conditioning, window operability will remain important.</p>	

Item	Description	Recommendation	Photos
E.02	<p>Exterior doors are rusting and have improper hardware. Some doors are chained closed, which as an occupied building would be a life safety hazard. Existing thresholds appear to be damaged in many places allowing for water infiltration under the doors into the building.</p>	<p>Remove existing doors, frames, thresholds, hardware, etc. Replace with aluminum frames, FRP or aluminum doors, ADA compliant aluminum thresholds, and ADA compliant and code compliant door hardware.</p>	 <p>The photos show: 1) An exterior view of a rusted metal door set in a brick wall with a damaged threshold. 2) An interior view of a door that is chained closed, leading to a hallway. 3) A close-up of a rusted metal door on a brick wall. 4) An exterior view of a door set within a brick wall with vertical concrete pillars. 5) An interior view of a hallway with a door and a blue tape marking on the floor.</p>

Item	Description	Recommendation	Photos
			
E.03	Louvers in gym space appear to not be hurricane type, which allows water to pass through them into the space during a driving rain causing damage to interior finishes.	Remove existing louvers and replace with hurricane-rated louvers. Install new sill pans with end dams at louver sills.	

GROUND

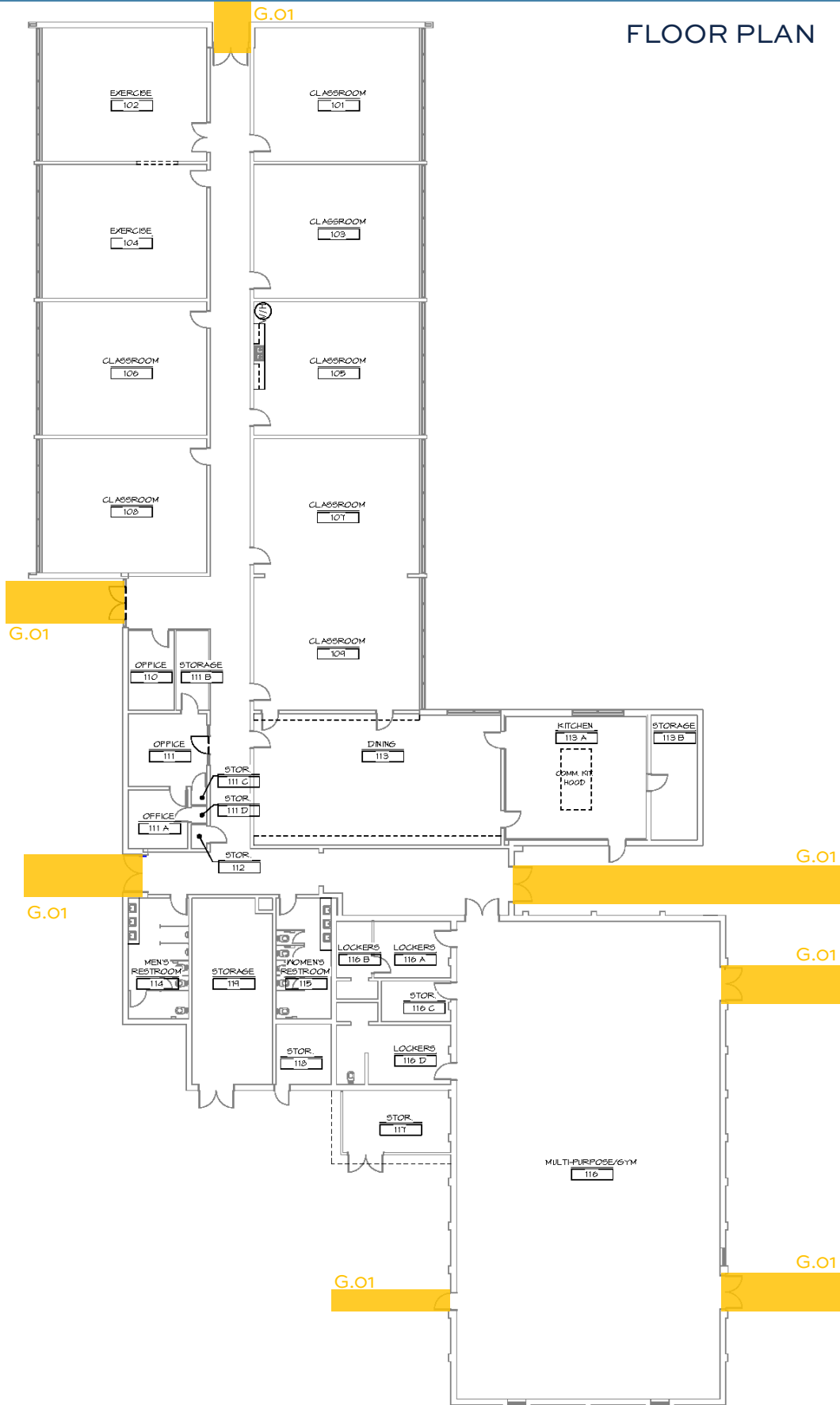
FLOOR PLAN





G.02



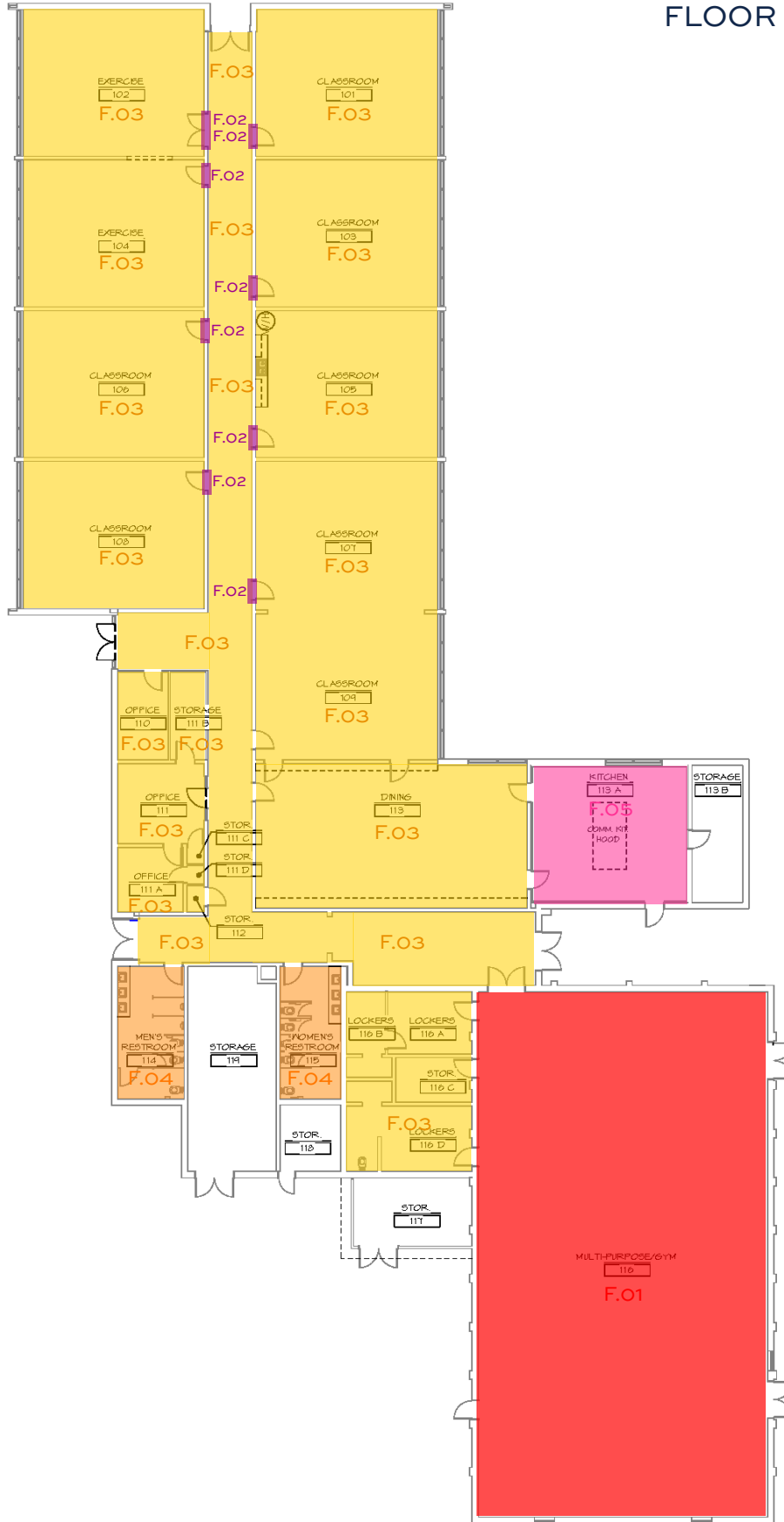
G.02





Item	Description	Recommendation	Photos
Grounds			
G.01	Sidewalks at building entries do not appear to be ADA compliant. Not all exit doors have sidewalks leading to the public way.	Sidewalk slopes should be checked for ADA compliance. If slopes exceed minimum allowable by code (max 1:20 parallel to path of travel, max 1:48 cross slope, and max. 1:48 in any direction within 5' of an entry). Add sidewalks as required at exit doors that lead to the public way.	 <p>The photos for G.01 show three different building entrances. The top photo shows a brick building with a concrete path leading to a door. The middle photo shows a close-up of a door with a concrete step. The bottom photo shows a door set within a brick wall with a concrete path leading to it.</p>
G.02	Storm inlet has significant erosion and is a safety concern if children/public are on the site.	Regrade around inlet to eliminate the large ditches at the inlet, and secure cap as needed to prevent moving.	 <p>The photos for G.02 show a storm inlet. The top photo shows a wide view of the inlet area with a large, deep ditch on either side. The bottom photo shows a close-up of the inlet opening, which is surrounded by a concrete curb and a large ditch.</p>

FLOORS

FLOOR PLAN

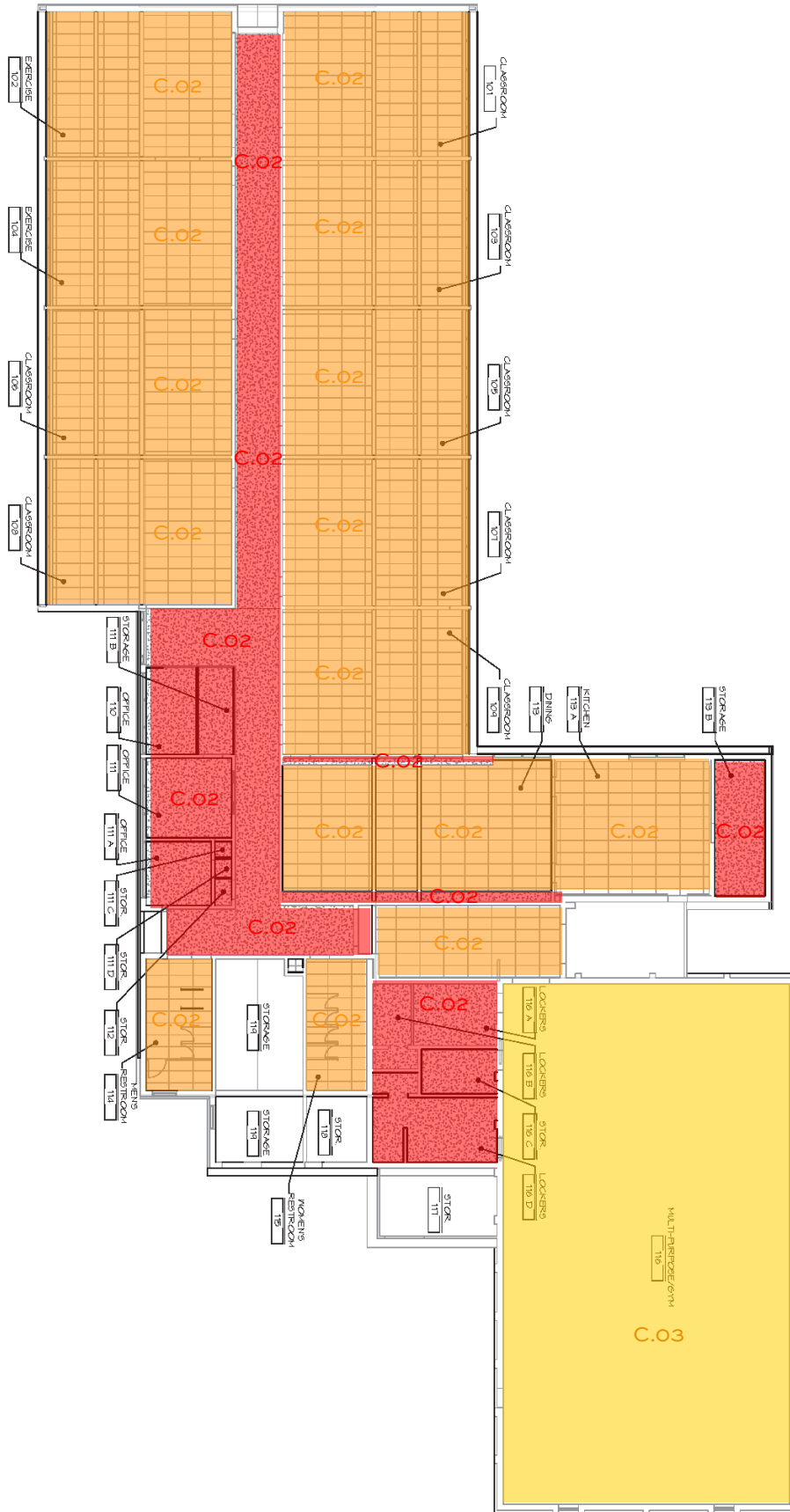



Item	Description	Recommendation	Photos
Floors			
F.01	<p>Gym/multipurpose room floor (maple sport floor) has significant water damage and has buckled in many locations.</p>	<p>Remove maple floor, fill recessed slab with concrete to match f.f.e. throughout building, install new rubber sport floor, or similar throughout gym. We do not recommend fixing or installing new maple/wood flooring due to the sensitivity of wood to moisture (water and vapor). For longevity, we recommend a rubber sport floor that will remain largely unaffected by moisture.</p>	
F.02	<p>settlement cracks/slopes are present at door thresholds in classroom wing. It is possible there are two different floor finishes under the existing VCT that is causing this as well.</p>	<p>Remove existing VCT in these areas to examine substrate. If multiple layers of existing flooring exist, then remove all flooring layers to original concrete slab on grade and seal floor as is, or install new LVT, epoxy, or similar on top with new rubber base or similar. If cracks/slopes are due to slab settlement, have structural engineer advise on next steps.</p>	




Item	Description	Recommendation	Photos
F.03	Carpet in classrooms appears moldy/mildew.	Remove carpet and adhesive to existing concrete slab on grade. Seal concrete slab to prevent moisture penetration through slab. Install new carpet tile, or new flooring finish desired with new rubber base or similar.	 <p>The photos show three different classroom environments. The top photo shows a room with blue walls, a pool table, and a carpeted floor with visible mold. The middle photo shows a room with blue walls, a pool table, and a carpeted floor with visible mold. The bottom photo shows a room with blue walls, a pool table, and a carpeted floor with visible mold.</p>
F.04	bathroom floor tile is relatively good condition, though dated.	Replacement is not needed, but thorough cleaning to remove existing staining and efflorescence would be worthwhile.	 <p>The photos show two different views of a bathroom. The top photo shows a room with blue walls, a pool table, and a tiled floor. The bottom photo shows a room with blue walls, a pool table, and a tiled floor.</p>
F.05	Flooring in commercial kitchen has been wet and moldy and caused cracks and damage in the floor finish.	Remove existing flooring down to existing concrete slab on grade. Seal existing concrete slab and install new flooring. Epoxy with turned up base or quarry tile floor and base are recommended for kitchen spaces.	 <p>The photos show two different views of a commercial kitchen. The top photo shows a room with blue walls, a pool table, and a tiled floor. The bottom photo shows a room with blue walls, a pool table, and a tiled floor.</p>

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CEILING



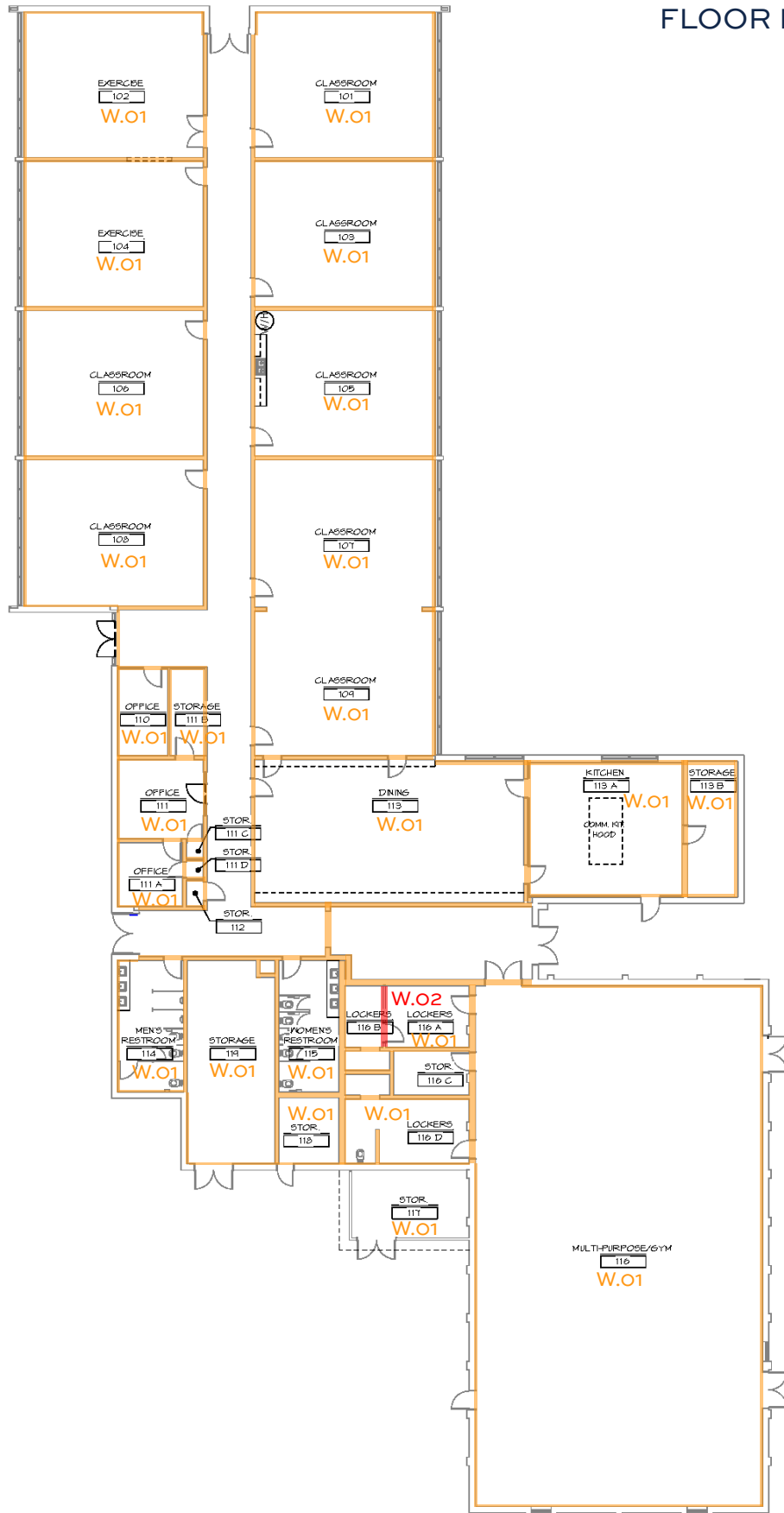
Item	Description	Recommendation	Photos
Ceilings			
C.01	Acoustic Tile Ceilings (ACT) - moisture and humidity within building due to collapsed roof, roof leaks, and broken windows has caused the existing ceiling tiles to be a total loss.	Remove all existing tiles, grid, hangars, etc. Assess existing wood deck above for water/moisture/termite damage. Repair/replace as needed for structural stability and environmental health. Replace with new 2x2 ACT grid and ceiling tile.	



Item	Description	Recommendation	Photos
			
C.02	<p>Plaster/Gypsum Ceilings - moisture/humidity within building due to collapsed roof, roof leaks, and broken windows has caused the existing ceilings to deteriorate. Visible mold/mildew lines present on ceilings.</p>	<p>Removal of existing gypsum/plaster is recommended to assess wood deck above for water/moisture/structural/termite damage. Replace with new framed ceiling and gypsum board.</p>	
C.03	<p>Gym/multipurpose room ceiling appears to be in good condition. No apparent leaks from roof present.</p>	<p>No work needed. If painting the walls within the space, we recommend cleaning the roof joists, decking, and prime and paint ceiling as well.</p>	

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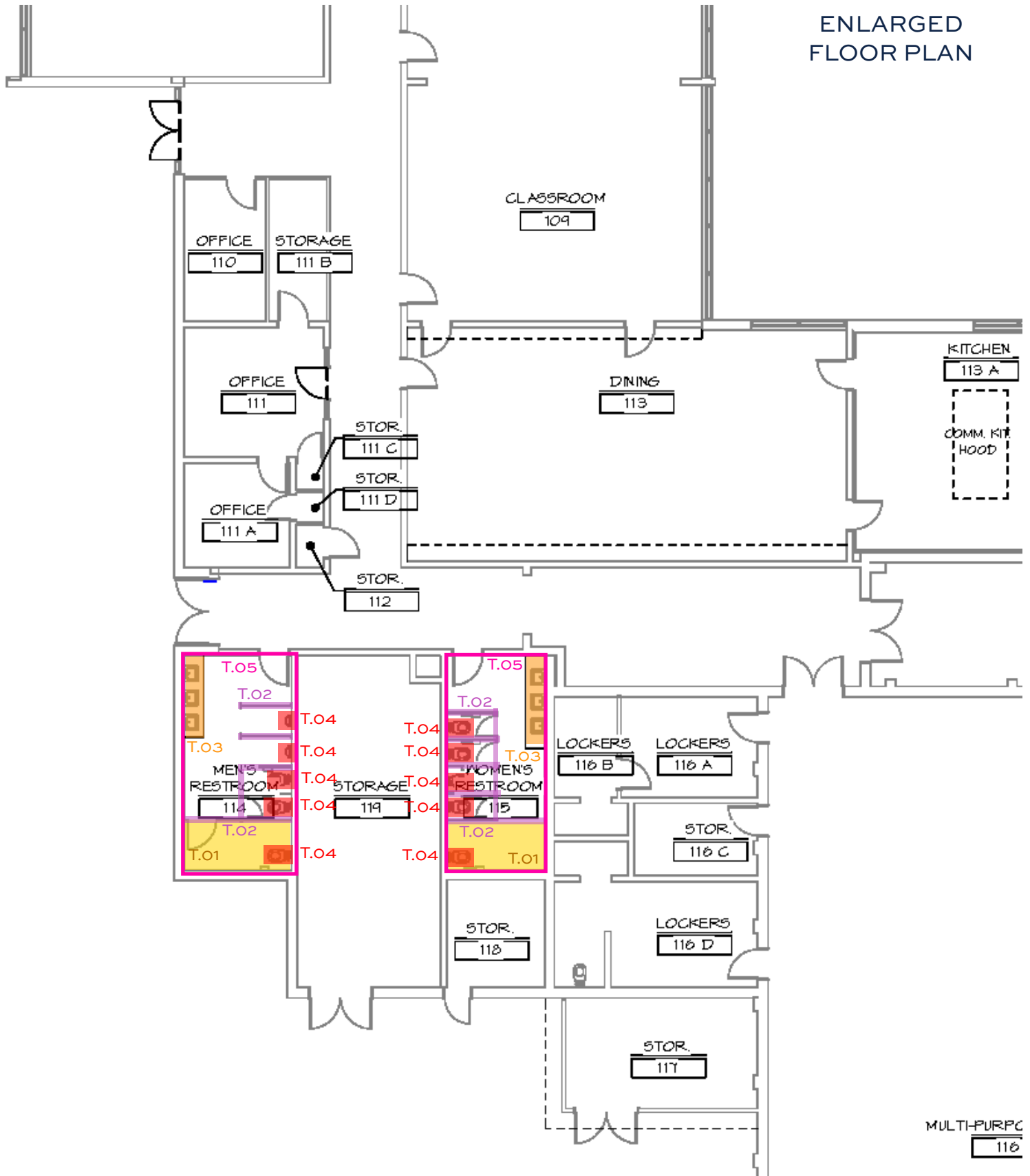
INTERIOR WALLS






FLOOR PLAN



Item	Description	Recommendation	Photos
Interior Walls			
W.01	Existing walls are painted block and are in good condition. Mildew/mold present.	Clean and abate mold as required. Scrape walls where paint is chipping/peeling. Apply new primer and paint on all existing interior walls.	
W.02	Existing partition in locker room is a total loss due to collapsed roof above.	remove wall. Do not replace at this time.	

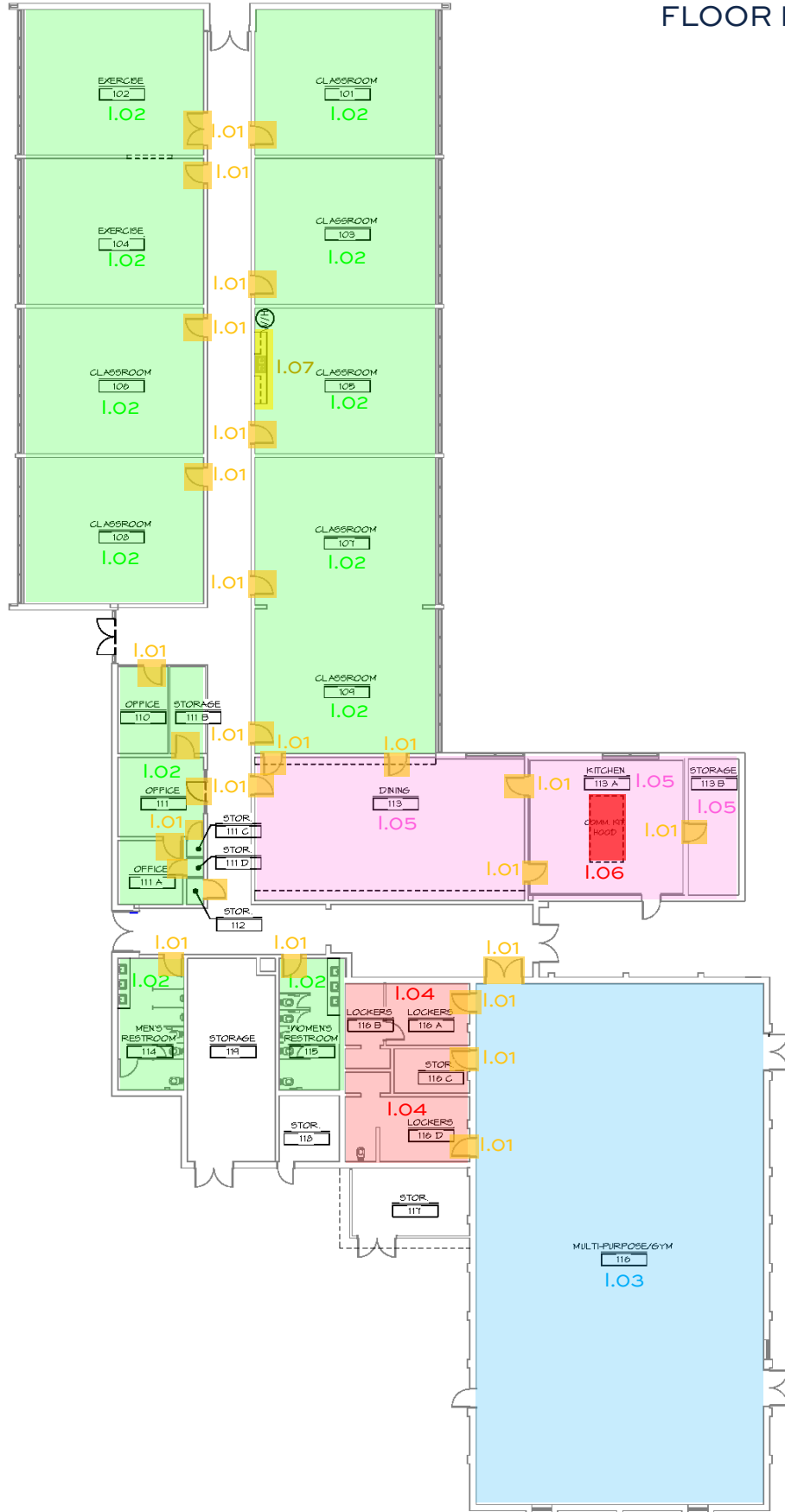
RESTROOMS










Item	Description	Recommendation	Photos
Restrooms			
T.01	Restrooms appear to have the space to be ADA compliant, full assessment not included in this scope.	Add vertical grab bars in ADA stalls in men's and women's restrooms, verify 5'x5' clear space is present within ADA stall, verify 5' turning radius is present in common space of restrooms, verify ADA door clearance is provided on push and pull side of restroom entry doors.	
T.02	Toilet partitions are in marginal condition. They appear to be in basic working order.	clean and verify all hardware is in working order.	
T.03	Sinks appear to be in fair condition. Water was turned off to the building, so they could not be tested.	Turn on water to verify if faucets and drains work appropriately. If they do not, then repair as needed. Verify that top lip of sink is no more than 34" a.f.f. for ADA compliance.	
T.04	toilets appear to be in fair condition. Water was turned off to the building, so they could not be tested	Turn on water to verify if toilets water supply and flushing work appropriately. If they do not, then repair as needed. Verify ADA toilets are between 15" and 18" from adjacent wall, and non-ADA toilets are centered in the stalls. Verify that the toilet seat is no more than 18" tall.	
T.05	Toilet room accessories appear to be in fair condition (mirrors, toilet paper dispensers, paper towel dispensers, etc.	Update accessories as required to match janitorial supplier needs.	

MISCELLANEOUS INTERIOR ITEMS

FLOOR PLAN



Item	Description	Recommendation	Photos
Misc. Interior Items			
I.01	Interior doors and frames have visible mold/mildew and have chipping/peeling paint.	Abate/clean as required for environmental health, prepare substrate for installation of new finish. Apply new primer and paint to all frames. Apply new stain and transparent finish to doors.	
I.02	Existing lights in classrooms and hallways appear to be in good condition. Coordinate with recommendations from electrical engineer report.	if possible, remove and store lights during demolition/abatement of ceiling and other areas. Clean lights, and reinstall in new ceilings. Existing lights are a mix of surface mounted and grid mounted fixtures. Refer to recommendations from electrical engineer.	
I.03	Existing lights in gym appear to be mostly in working order. Some lights do not turn on.	Replace lights that are not working. No work to lights that are in working order. If painting ceiling, remove lights and store during work. Reinstall lights once complete. Refer to recommendations from electrical engineer.	
I.04	Lights in locker rooms are a complete loss due to roof collapse and exposure to the elements. Remove and dispose of lights.	After abatement and cleaning, install new lights throughout these spaces. Refer to recommendations from electrical engineer.	
I.05	Lights in kitchen/dining are a complete loss due to roof collapse and exposure to the elements. Remove and dispose of lights.	After abatement and structural repairs, install new lights throughout these spaces. Refer to recommendations from electrical engineer.	

Item	Description	Recommendation	Photos
I.06	Existing commercial kitchen hood has water leaking through it.	Engage a commercial kitchen hood contractor to assess and test the hood to determine if the hood can be repaired, or if it needs to be replaced.	
I.07	Existing Casework and sink in classroom 105 is in fair condition, however, due to the significant concerns over mold/mildew, there likely is contamination inside.	Abate and remove casework and sink, replace with new.	

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2 CONDITIONS ASSESSMENT STRUCTURAL

The report on the following pages from RPA Engineering is a summary of the findings and recommendations related to the structural systems within the facility.

RPA ENGINEERING, P.A.

Structural Engineering Solutions

102 Regency Blvd., Suite A1, Greenville, NC 27834
Ph. 252-321-6027 Fax 252-355-2179

Engineering License No. C-2734

February 2, 2023

Ms. Dani Hoff
Intrepid Architecture, P.A.
114 E. Third St.
Greenville, NC 27858

**Re: Building Structural Evaluation – Davis Ventures Community Center - Englehard, NC
RPA Job No. 2022449**

Dear Dani:

I visited the building at the location referenced above to evaluate the structural condition. The following report describes my observations and includes recommendations for addressing any deficiencies that were identified.

My site evaluation involved only a visual examination of reasonably accessible areas except as may be specifically discussed within the body of the report. This is not a building inspection or building code compliance inspection. While we may comment on any building code or other untoward conditions that we observed, they are not the focus of this investigation. Unless otherwise specifically described below, we have not performed any destructive or invasive testing or procedures during the investigation.

Background Information

The building is a 1-story structure that was originally a classroom building. There is an attached gymnasium building at one end. Construction of the classroom building consists of tongue & groove wood decking supported by concrete beams, with load-bearing concrete block interior and exterior walls, and a concrete slab-on-grade floor. At some point after original construction, pre-engineered wood trusses were installed over the original structure to create a sloped gable-profile roof. The gymnasium building construction consists of steel bar joist roof framing (flat roof) and load-bearing concrete block walls, with a concrete slab-on-grade floor with wood flooring on top. The exterior walls of both buildings are covered with brick veneer. The age of the building is not know but based on appearance and type of construction, it is estimated to be at least 50 to 60 years old.

Observations/Recommendations

I visited the site on January 12, 2023 at approximately 10:00 AM. You were present at the time of my visit. Following is a summary of my observations, along with general recommendations for addressing problems that were identified. For reference, left and right directional references assume one is facing the front of the building. The building faces Hwy 264 (east direction). See photographs 1-7 for general views of the building.

1. There are some damaged soffit areas at the front side of the classroom building (see photograph 8). The roof trusses bear at the exterior masonry wall on a double wood plate

(2x4 top, 2x8 bottom). The 2x4 has some partial damage at these areas and the 2x8 has been almost completely destroyed (see photograph 9). Both will need to be replaced where they are rotten. The soffit will need to be opened up further to see if there are other rotten areas. Also, the roof trusses are not connected to the plates at these areas, and probably not at any other areas. Installation of hurricane ties is recommended.

2. The right end of the classroom building connects to the gym building, which has a much higher roof. The roof truss overframing has collapsed at part of this area (see photographs 10 and 11). Also, the original flat roof sheathing boards are badly damaged in some areas and there are holes in the roof (see photograph 15). The original concrete beams that support the sheathing boards appear to be undamaged. The wood roof framing in most of this area will need to be removed and replaced.
3. There is an area in the classroom building, near the front/center of the building, where the roof sheathing boards are stained and a plywood patch has been installed (see photograph 14). Additional repairs may be needed but some demolition of the ceiling and further investigation is needed to determine what may be required.
4. Part of the soffit/fascia at the rear of the gym/connector is damaged (see photograph 12). It is not clear if the damage is just to the soffit/fascia panels or also to the roof framing. Further investigation is required.
5. There are low ground areas along the left side and rear of the gym/classroom connector (see photograph 13). This appears to be due to erosion of the ground along the wall due to water flowing off of the roof (there are no gutters). This can saturate the soil around the footings, which can result in settlement problems. I did not observe any brick cracks or other signs of settlement but recommend that this be corrected to prevent possible future problems. The low ground areas should be filled and sloped away from the building. Installation of gutters/downspouts is also recommended to help direct water away from the building.
6. Portions of the ceiling in the locker room area is damaged where the steel bar joists above are rusted in some locations (see photograph 16). The joists do not appear to be damaged but the rest of the ceiling needs to be removed to allow examination of all of the joists.

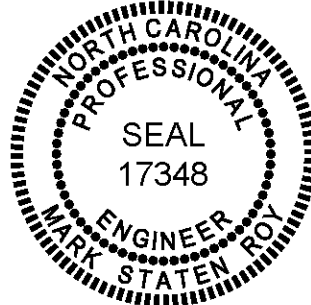
Conclusions

The classroom building appears to be in relatively good structural condition except for the collapsed roof area at the right end near the gym. The other items are relatively minor, but some additional investigation is needed to verify extent of some damaged areas. This can be done after soffit, ceilings, etc. are removed. No damage was observed in the gym building.

Please contact me if you have questions or need further assistance.

Sincerely,

Digitally signed by Mark S. Roy
DN: c=US,
E=mark.roy@paengineering.com,
O="RPA Engineering, P.A.",
CN=Mark S. Roy
Date: 2023.02.02 12:59:28-05'00'



Mark S. Roy, PE

President/Structural Engineer

Attachments: A1.01 MSR Notes 2-2-23



Photograph 1 – Front View – Classroom Building



Photograph 2 – Right Side of Classroom Bldg – Front Side of Gym



Photograph 3 – Right Side of Gym



Photograph 4 – Rear Side of Gym



Photograph 5 – Left Side of Gym/Connector



Photograph 6 – Rear Side of Classroom Building



Photograph 7 – Left Side of Classroom Building



Photograph 8 – Damaged Soffit Areas – Front of Classroom Building



Photograph 9 – Damaged Wood Plating Under Roof Trusses – Classroom Building



Photograph 10 – Collapsed Roof Area at Right End of Classroom Building



Photograph 11 – Collapsed Roof Area at Right End of Classroom Building



Photograph 12 – Damaged Soffit/Fascia Area at Rear of Gym/Classroom Connector



Photograph 13 – Low Ground Areas at Left Side of Gym Connector



Photograph 14 – Roof Sheathing Damage/Patch Near Front/Center of Classroom Bldg

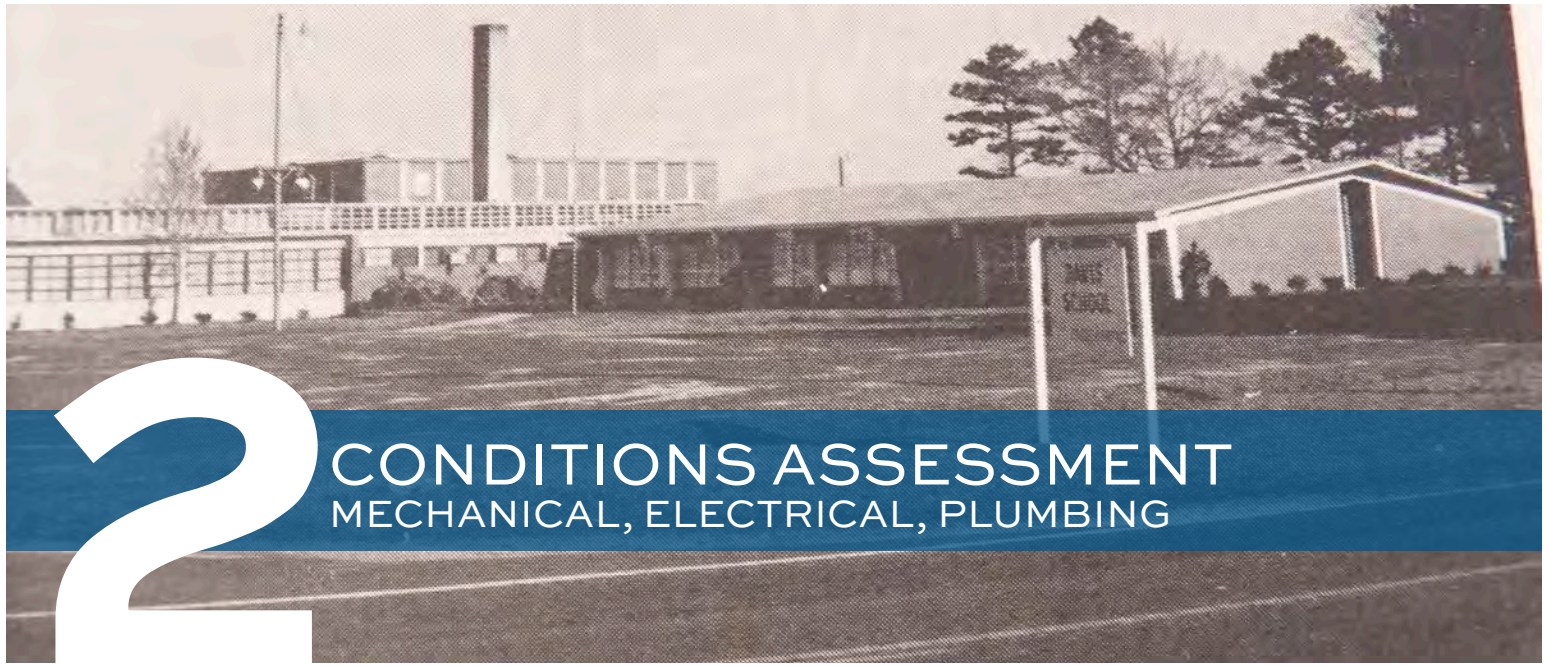


Photograph 15 – Damaged Original Roof Sheathing at Right End of Classroom Building



Photograph 16 – Damaged Ceiling and Rusted Bar Joists at Gym Locker Room Area

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2 CONDITIONS ASSESSMENT MECHANICAL, ELECTRICAL, PLUMBING

The report on the following pages from Engineering Source of NC is a summary of the findings and recommendations from the plumbing, mechanical, and electrical engineer consultant on the design team.

SHALL BE FORTHCOMING

SHALL BE FORTHCOMING

SHALL BE FORTHCOMING

SHALL BE FORTHCOMING

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2 CONDITIONS ASSESSMENT HAZARDOUS MATERIALS & ENVIRONMENTAL HEALTH

The report on the following pages from Affinity is a summary of the findings and recommendations related to the hazardous materials and mold testing found within the facility.



January 17, 2023

Mr. Albrecht N. McLawhorn, AIA, NCARB
INTREPID Architecture, PA
114 East Third Street
Greenville, NC 27858

**RE: Hazardous Materials Assessment Report
Davis Ventures Community Center
33478 US Highway 64 East
Engelhard, North Carolina
AEC Project #23009**

Mr. McLawhorn:

Affinity Environmental Consulting, LLC performed a hazardous materials assessment for asbestos-containing materials, lead-based paint, and mold at the above referenced site. Please find the final report attached.

Thank you for the opportunity to be of service. If you have any questions or need additional information, please do not hesitate to call.

Sincerely,
Affinity Environmental Consulting, LLC

A handwritten signature in black ink, appearing to read "Mike Cook".

Mike Cook, CIEC
Principal

Attachment



HAZARDOUS MATERIALS
ASSESSMENT REPORT
for
Davis Ventures Community Center
33478 US Highway 64 East
Engelhard, North Carolina

AEC Project #23009

Prepared For:
INTREPID Architecture, PA
114 East Third Street
Greenville, NC 27858

Prepared By:
Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Report Prepared: January 17, 2023

Asbestos Inspector: Mike Cook, NC Accreditation #12016

Lead Inspector: Mike Cook, NC Accreditation #120218

Mold Inspector: Mike Cook, CIEC #0909002

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1.0 Asbestos Inspection

1.1 SUMMARY: On January 12th, 2023, Affinity Environmental Consulting, LLC (AEC) performed an asbestos inspection of the Davis Ventures Community Center located at 33478 US Highway 64 East in Engelhard, North Carolina. AEC was retained by INTREPID Architecture, PA to perform the inspection prior to renovation of the building. Bulk samples of suspect asbestos-containing materials (ACM) were collected and analyzed using Polarized Light Microscopy (PLM).

1.2 BUILDING DESCRIPTION: The Davis Ventures Community Center is a single-story brick and concrete block structure. The building was originally a school. The building has water damaged roofing in the cafeteria and adjacent gym corridor. Ceilings consist of suspended ceilings throughout the classrooms, cafeteria, and restrooms, drywall in the corridors, and plaster in the locker rooms. There is a wood ceiling deck above the suspended ceiling throughout the main building. Walls consist of concrete block and brick throughout the classrooms, office area, gym, locker rooms, and restrooms. There is drywall in the dining room. Flooring consists of vinyl flooring and carpet throughout the main building classrooms, corridors, cafeteria, and office area. There is ceramic tile in the restrooms. There is hardwood in the Gym. There is mud pipe fitting insulation in the locker rooms and mechanical room. There is a 10 linear foot section of air-cell straight run pipe insulation in the mechanical room. HVAC ducts located above the drywall ceiling in the corridor of the main building are insulated with fiberglass insulation.

1.3 SAMPLE COLLECTION: The bulk sampling was conducted in order to fulfill requirements as set forth in EPA's National Emissions Standards for Hazardous Air Pollutants (NESHAPS) asbestos regulation, 40 CFR, Part 61, Subpart M which requires an asbestos evaluation of buildings scheduled for renovation or demolition. Bulk samples were collected of suspect asbestos-containing materials (ACM) in general accordance with sampling protocols established in US EPA Regulation 40 CFR Part 763 Asbestos Hazard Emergency Response Act (AHERA).

Suspect materials are divided into homogeneous areas for sampling. A homogeneous area is described as a section of material with the same color, texture, age, composition, and other characteristics that indicate a continuity of the material. The bulk samples were taken of non-friable and friable (material, which can be crumbled or reduced to powder by hand pressure). The suspected ACM samples were taken from Thermal Systems Insulation (TSI), Surfacing Materials (SURF), and Miscellaneous Materials (MISC). Attached in **Appendix A** are descriptions of all homogenous areas identified and an estimate of quantity of asbestos, location, and type of asbestos in each homogeneous area. **All quantities are estimates and should be field verified for all other uses.** If no asbestos was detected in a sample, it is indicated as None Detected.

1.4 SAMPLE ANALYSIS: The samples were shipped via FedEx to SAI, an NVLAP accredited laboratory, in Greensboro, North Carolina for PLM analysis. PLM is the EPA approved method for analyzing bulk samples for asbestos. This method utilizes a light microscope equipped with polarizing filters. The identification of asbestos fibers is determined by the visual properties displayed when the sample is treated with various dispersion staining liquids. The actual structure of the fiber and the effect of polarized light on the fiber substantiate identification. The limit of detection of asbestos by PLM is about 1 percent by area; thus, samples containing less than 1 percent of asbestos are not reliably detected by this technique. The PLM method does determine both the percent (1% or above) and type of asbestos in the bulk sample.

1.5 RESULTS: Following are the asbestos-containing materials identified during this asbestos inspection of the Davis Ventures Community Center:

Homogenous Area	Asbestos-Containing Material	Location/Approximate Quantity	Photo #
A-01 & A-22	Exterior Window Glazing and Window Frame Caulking	Throughout Main Building Window Units (57 Window Units)	1
A-06	9" x 9" Floor Tile & Black Mastic (Green & Brown Colors)	Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum (9,700 SF)	2 & 3
A-14	Black Chalkboard Mastic	Throughout Chalkboards of Building	4
A-23	"Air-Cell" Straight Run Pipe Insulation	Mechanical Room Overhead (10 LF)	5

Homogeneous area details and results are listed in Appendix A. Bulk sample location drawing is attached in Appendix B. Laboratory analysis data is attached in Appendix C. Photographs are attached in Appendix F.

1.6 RECOMMENDATIONS AND REQUIREMENTS: Recommendations are made with knowledge of how asbestos-containing materials are generally handled during a renovation or demolition. Before proceeding with renovation or demolition of any building or the removal of any asbestos-containing materials, friable or non-friable, contact the regulatory agency with EPA-NESHAPS authority for the area where the work is to occur. In North Carolina, the NC DHHS/Division of Public Health Hazards Control Unit has that authority. Their contact information is:

Health Hazards Control Unit
 NC DHHS/Division of Public Health
 1912 Mail Service Center
 Raleigh, NC 27699-1912
 Phone: 919-707-5950

Website: www.epi.state.nc.us/epi/asbestos/demolition.html

Also contact your local city and county governments for any permitting regulations that they may require.

According to current EPA regulations, asbestos-containing materials (ACM) are any materials containing more than 1% by weight of any mixture of asbestos types. The disposed asbestos must be placed in a landfill that is accredited to receive these materials. This landfill must be notified of the presence of ACM debris and waste before disposal.

The asbestos-containing materials identified should be removed by a North Carolina DHHS Health Hazards Control Unit accredited contractor prior to disturbance. **Additional sampling may be necessary if additional suspect asbestos-containing materials are discovered during the renovation process.**

END OF SECTION

2.0 Lead-Based Paint Survey Report

2.1 SUMMARY: On January 12th, 2023, Affinity Environmental Consulting, LLC (AEC) performed a lead-based paint survey of the Davis Ventures Community Center located at 33478 US Highway 64 East in Engelhard, North Carolina. AEC was retained by INTREPID Architecture, PA to perform the survey prior to renovation of the building. The LBP survey was performed on interior and exterior painted major building components of the building. A Viken Pb200i spectrum XRF analyzer was used for the survey

2.2 DISCLAIMER: This is our report of X-Ray Fluorescence (XRF) analysis. The presence or absence of lead-based paint or lead-based paint hazards applies only to tested surfaces on the date of the field visit and these conditions may change due to deterioration or maintenance. Ongoing monitoring by the owner is usually necessary. Please review this report fully, including any remarks printed on each page and contact us for an explanation of any aspect of this report, written or printed, which you do not fully understand.

2.3 RESULTS: Following are the components with Lead-Based Paint at or above the federal regulatory level of 1.0 mg/cm² at the Davis Ventures Community Center:

TABLE 2 – Lead-Based Painted Components Identified				
Substrate	Component	Location	Result mg/cm ²	Photo #
Metal	Window Components (Interior & Exterior Sashes & Casings)	Throughout Main Building	1.0 – 3.0	6
Metal	Red Door & Door Casings	Restrooms	1.5	7
CMU	Wall	1 Room in Office Area (Main Reception w/Glass Doors)	1.8 – 2.5	8
Concrete	Window Headers	Exterior Main Building	1.3 – 1.5	6
Wood	Eaves	Exterior Main Building	3.0	6

All XRF paint testing data and results are listed in Appendix D. Photographs are attached in Appendix F.

2.4 RECOMMENDATIONS: According to the North Carolina Department of Health and Human Services (NCDHHS), any painted building component containing lead levels greater than or equal to 1.0 mg/cm² (XRF) or 0.06% by weight (paint chip analysis) must be disposed of in a construction and demolition landfill or municipal solid waste landfill (Subtitle D).

It is common knowledge throughout the lead removal industry that the OSHA PEL lead level of 50 ug/m³ is likely to be exceeded during the disturbance of painted building components with lead levels equal to or greater than 1.0 mg/cm² or 0.5% by weight. All other tested building components containing lower lead levels, less than 1.0 mg/cm², have less potential for the OSHA PEL level of 50 ug/m³ to be reached during controlled disturbance. When conducting activities that involve the disturbance of any components containing lead-based paints, OSHA Construction Standard 29 CFR 1926.62 procedures should be implemented. At a minimum, this includes, negative exposure

assessments, training, medical surveillance, and personal protection. In addition, lead-based paint and lead-based painted components should be properly disposed in accordance with local, state, and federal regulations and requirements.

END OF SECTION

3.0 MOLD AND MOISTURE SURVEY

3.1 SUMMARY: On January 12th, 2023, Affinity Environmental Consulting, LLC (AEC) performed a non-destructive mold and moisture survey of the Davis Ventures Community Center located at 33478 US Highway 64 East in Engelhard, North Carolina. AEC was retained by INTREPID Architecture, PA to perform the survey prior to renovation of the building. The project included a non-destructive visual inspection for moisture intrusion and mold growth along with surface sample collection with laboratory analysis for mold spores.

3.2 PROJECT DESCRIPTION: AEC representative, Mr. Mike G. Cook, CIEC #0909002 conducted the visual mold and moisture survey and collected surface samples in the building. The following observations and notes were made in the following areas during the visual survey (Photographs attached in Appendix F):

1. The roof was observed to be in poor condition throughout. There are numerous tarps on section of the roof. The roof is caved in over the cafeteria dining room and adjacent gym corridor. There are various water damaged ceiling tiles located throughout the building.
2. Visible mold growth was observed on surfaces throughout the building. **(Photos #9, 10, 11, 12, 13, & 14).**
3. The ceilings are badly damaged in the cafeteria, gym corridor, and gym locker rooms from water damage. **(Photos #13, 14, 15, & 16).**

3.3 MOLD Surface Sampling: Two (2) representative tape lift samples were collected from surfaces where suspect visible black mold growth was observed in the building. The samples were sent by FedEx to Scientific Analytical Institute (SAI) in Greensboro, NC for analysis to determine the type of mold present if any. A direct examination allows for the immediate determination of the presence of fungal spores as well as what types of fungi are present. Most surfaces collect a mixture of fungal spores that are normally present in the environment. SAI performed laboratory analysis using SAI Method B-SOP-005.

TABLE 3 – Tape Lift Surface Sample Locations	
Sample #	Sample Location
T-01	Main Corridor Wall
T-02	Main Corridor Door Frame

See laboratory analysis attached in Appendix E.

3.3 CONCLUSIONS:

- 1) The roof was observed to be in poor condition throughout requiring repair.
- 2) Ceilings are damaged in the cafeteria, gym corridor, and gym locker rooms requiring repair.
- 3) Visible mold growth was observed on surfaces throughout the building.
- 4) Tape lift surface sampling results indicate that *Cladosporium* mold is present on surfaces throughout the Main Building. High levels of fruiting bodies and hyphal fragments were also observed on the tape lift samples which indicates active mold growth. *Cladosporium* mold species have been categorized as a potential allergens, pathogens, and toxin producers.

3.4 RECOMMENDATIONS:

- 1) Repair all roofing materials of the building.
- 2) Remove and dispose of all porous components and items throughout the building. This includes: ceiling tiles, HVAC flex ducts, carpet, ceiling and roofing debris, trash, etc. All fabric furniture, clothing, and other fabric items should be disposed of.
- 3) Either dispose of all HVAC units and metal ducting throughout the building or have them professionally cleaned and sanitized.
- 4) All remaining surfaces in the building should be professionally cleaned and sanitized.
- 5) A trained mold remediation contractor should be selected to perform recommendations 2 through 4 following US EPA protocol 402-K-01-001-Mold Remediation in Schools and Commercial Buildings.

3.5 CONDITIONAL STATEMENT: The analysis, conclusions, and recommendations submitted in this report are based on the investigation previously outlined and the data collected at the locations listed. This report does not reflect specific variations that may occur between test locations or any change that may occur due to environmental conditions varying over time. Statistically accurate measurements for indoor air contaminants can only be obtained by collecting multiple samples at multiple times of the day over multiple days. The samples were located where site conditions permitted and where it is believed representative conditions occur. Recommendations are made in accordance with generally accepted industrial hygiene principles and practices and are designed as a tool to assist the client based on information and data available at the time of the survey. The conclusions and recommendations in this report do not constitute medical or legal opinion. A licensed physician should be consulted for medical guidance. This report has been prepared for use by the Client identified in this report. If this

report is transferred to any other party or used for any other purpose without the express written authorization of Affinity Environmental Consulting, LLC (AEC), AEC will not be held liable or responsible for any decisions or outcomes made by such parties.

END OF SECTION

SEE APPENDIX A FOR TESTING REPORTS



The cost estimate included on the following pages represents the design team’s opinion on what the probable cost would be to address all the items found to be deficient during the conditions assessment site visit. Many of the items identified are in excess of the scope identified by the previous study by Cahoon+Kasten as well as FEMA/CDBG, however are recommended due to the age of existing system and how long it has been turned off/abandoned, or lack of compliance with the NC Building Code and/or ANSI 117.1 (the ADA code). The design team understands that there is limited funding available, and the current project is bound by strict requirements as to the scope it needs to address. In the subsequent section phases are identified that allow for phase 1 to utilize the current funding as intended and address the highest priority items within the facility. Subsequent phases are identified to complete the project in similar-sized funding allocations but can be rearranged as needed depending how funding is received.



114 E. Third Street
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**Preliminary Estimate
 February 13, 2023**

All work will be bid by GC

DIVISION 1	QTY	UNIT COST	UNIT	COST
GENERAL				
General Conditions (Misc. Trades, Equipment, Cleaning, Etc.)	12%	\$1,465,108.85	SF	\$175,813.06
Division Totals				\$175,813
DIVISION 2	QTY	UNIT COST	UNIT	COST
SELECTIVE DEMOLITION				
Roof - Major Demolition	3,665	\$8.00	SF	\$29,320.00
Roof - Shingle and limited Sheathing Demolition	12,490	\$5.00	SF	\$62,450.00
Selective Demolition Abatement (Cleaning)	17,608	\$3.00	SF	\$52,824.00
Selective Demolition Abatement (Interior spaces)	17608	\$6.00	SF	\$105,648.00
Selective Demolition Abatement (Exterior windows)	1400	\$6.00	LF	\$8,400.00
*Additional MEP & Site Demolition shown in those estimates				
Division Totals				\$258,642
DIVISION 4	QTY	UNIT COST	UNIT	COST
MASONRY				
Masonry Point-up	80	\$20.00	SF	\$1,600.00
Division Totals				\$1,600
DIVISION 5	QTY	UNIT COST	UNIT	COST
STEEL				
Joist Repair	1000	\$25.00	SF	\$25,000.00
Division Totals				\$25,000
DIVISION 6	QTY	UNIT COST	UNIT	COST
WOOD & COMPOSITES				
Casework - Toilet Room Vanities	16	\$525.00	LF	\$8,400.00
Casework - Breakroom/workroom	12	\$525.00	LF	\$6,300.00
Pre-Engineered Wood Truss Repairs/Replacement	1500	\$150.00	SF	\$225,000.00
Bearing Plate Repair/Replacement	830	\$25.00	LF	\$20,750.00
Hurricane Ties	830	\$30.00	LF	\$24,900.00
Division Totals				\$285,350
DIVISION 7	QTY	UNIT COST	UNIT	COST

THERMAL & MOISTURE				
Roof weather barrier	16155	\$3.00	SF	\$48,465.00
Asphalt Shingles	16155	\$3.25	SF	\$52,503.75
Fascia & Drip Edge	830	\$15.00	LF	\$12,450.00
Soffit Panels	2000	\$15.00	SF	\$30,000.00
Wood Soffit repairs	2000	\$5.00	SF	\$10,000.00
Wood decking repairs	1500	\$25.00	SF	\$37,500.00
Roof Sheathing Repairs	2500	\$15.00	SF	\$37,500.00
New Roof Sheathing	3665	\$15.00	SF	\$54,975.00
Roof Insulation (Fiberglass Batt R-34)	16155	\$3.25	SF	\$52,503.75
Step Flashing at Gym Wall	78	\$1.50	SF	\$117.00
Division Totals				\$336,015
DIVISION 8				
DOORS & WINDOWS				
Repair/refinish interior doors & frames	30	\$480.00	Leaf	\$14,400.00
Exterior doors and frames	19	\$2,000.00	Leaf	\$38,000.00
Exterior Door Hardware	19	\$1,100.00	Leaf	\$20,900.00
Interior Door Hardware	30	\$625.00	Leaf	\$18,750.00
New Aluminum Storefront (Windows)	1400	\$75.00	SF	\$105,000.00
New Louvers	100	\$85.00	SF	\$8,500.00
Division Totals				\$205,550
DIVISION 9				
FINISHES				
Carpet Tile	734	\$35.00	SY	\$25,690.00
4" Rubber Base	2016	\$ 2.25	LF	\$4,536.00
Interior Gyp. Bd. Assemblies (ceilings)	2,831	\$ 6.80	SF	\$19,250.80
VCT Flooring (student rooms, service spaces)	5000	\$ 6.00	SF	\$30,000.00
Painting (interior walls & H.M. frames)	22160	\$2.10	SF	\$46,536.00
Painting (interior ceilings - gypsum ceilings)	2831	\$1.05	SF	\$2,972.55
Painting (Gym/Multipurpose ceiling)	4179	\$3.00	SF	\$12,537.00
Epoxy Floor (Restrooms, Lockers, & Kitchen)	1540	\$15.00	SF	\$23,100.00
Rubber Sport Floor (Gym/Multipurpose)	4179	\$12.00	SF	\$50,148.00
Acoustic Tile Ceilings (Grid & Tile)	8783	\$4.00	SF	\$35,132.00
Division Totals				\$249,902
DIVISION 10				
SPECIALTIES				
Toilet Compartments	10	\$1,100.00	EA	\$11,000.00
Fire Extinguisher Cabinets	6	\$500.00	EA	\$3,000.00
Restroom Accessories	16	\$300.00	EA	\$4,800.00
Kitchen Hood (Replacement)	1	\$30,000.00	LS	\$30,000.00
Kitchen Equipment (Excluded)	1		LS	\$0.00
Division Totals				\$48,800
DIVISION 12				
FURNISHINGS				
Room Signs	30	\$175.00	EA	\$5,250.00
Window Blinds	1400	\$35.00	SF	\$49,000.00

Division Totals					\$54,250
GENERAL CONSTRUCTION SUBTOTAL					\$1,640,922
DIVISION 15	QTY	UNIT COST	UNIT	COST	
Mechanical (all new units & duct in locations other than gym and lockers)	32	\$8,000.00	Ton	\$256,000.00	
Mechanical (ventilation, unit heater in gym and lockers)	5142	\$15.00	SF	\$77,130.00	
Plumbing	1	\$40,000.00	LS	\$40,000.00	
Division Totals					\$373,130
DIVISION 16	QTY	UNIT COST	UNIT	COST	
ELECTRICAL					
Electrical - (Replace Water Damage - lockers, dining, kitchen)	3027	\$27.00	SF	\$81,729.00	
Electrical - (New Lights throughout the rest of the building, excluding gym)	11051	\$12.00	SF	\$132,612.00	
Fire Alarm System (building-wide)	17608	\$4.00	SF	\$70,432.00	
Division Totals					\$284,773
DIVISIONS (30/31/32)	QTY	UNIT COST	UNIT	COST	
SITE / CIVIL					
Site Demolition	1500	\$6.00	SF	\$9,000.00	
New ADA Compliant Concrete Walks	1500	\$15.00	SF	\$22,500.00	
Division Totals					\$31,500
BUILDING SUBTOTAL C.O.W.					\$2,330,325
15% ADD FOR SINGLE PRIME/CM FEE					\$349,549
SUBTOTAL					\$2,679,874
3% Bonds & Insurance					\$80,396
5% Contractor Estimating Contingency					\$133,994
ESTIMATED CONSTRUCTION COST					\$2,894,264
Construction Contingency (15% averaged pending funding source reqs)					15%
ESTIMATED CONSTRUCTION COST + CONTINGENCY					\$3,328,403
TOTAL DESIGN FEES UNDER CONTRACT (for phase 1 w/ budget of \$787,000)					\$94,000
Estimated balance of design fees (~9% fee on balance of estimated construction + contingency cost)					\$228,726
TOTAL PROJECT FUNDING (per contract incl. soft costs)					\$3,651,129



4 RECOMMENDATIONS & PHASING

The preceding section illustrated that the full scope of work needed to return the building to full operation far exceeds the current available funding. As noted in the executive summary, the design team identified the scopes of work that are the highest priority to lowest, and grouped them into three phases, with phase 1 scope limited to what can be accomplished within the current budget of \$787,000.

PHASE 1 - ABATEMENT/MOLD REMEDIATION & ROOFING

The highest priority for this facility is to repair the damaged and collapsed roof structure and re-roof the building. This aligns with the previous study by Cahoon+Kasten as well as some of the scope identified by FEMA/CDBG. Before this work can be completed, the building was found to have many hazardous materials and mold throughout. Before any other work can be done, the facility must go through hazardous materials abatement and mold remediation. This is a costly endeavor due to the extent of mold contamination throughout. Please see the breakdown of estimated costs for phase 1 on the following page.

PHASE 2 - REMAINING ENVELOPE ITEMS, SOME PME ITEMS

Phase 2 includes the remaining building envelope items that need to be addressed within the facility. This includes window abatement and replacement, exterior door repair/replacement, installation of roof insulation, new mechanical units in the Gym and Locker Rooms, testing and repairs on the existing plumbing system, replace the portions of the electrical system that sustained water damage, and exterior sidewalk improvements to create ADA compliant walks. The design team recommends that this scope of work is accomplished as quickly as possible because the existing windows are damaged and broken in many places leaving the facility open to continued moisture intrusion and general security concerns. Please see the breakdown of estimated costs for phase 2 on the following pages.

PHASE 3 - REMAINING PME ITEMS, INTERIORS

Phase 3 includes the remaining plumbing, mechanical, and electrical items to remove and replace all existing systems within the building, and the remaining interior finishes and upgrades. The interiors include replacement of the cabinets and counters in the breakroom and restrooms, repair and refinish the interior doors, new flooring, paint, ceilings, updated restrooms to be ADA compliant, repaired or replaced kitchen hood, repaired/replaced kitchen equipment, interior signage, and window blinds. This phase will complete the required work for the building to return it completely to full use and also be compliant with current codes. Please see the breakdown of estimated costs for phase 3 on the following pages.



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**Phase 1 Preliminary Estimate
 February 13, 2023**

All work will be bid by GC

DIVISION 1	QTY	UNIT COST	UNIT	COST
GENERAL				
General Conditions (Misc. Trades, Equipment, Cleaning, Etc.)	10%	\$466,997.75	SF	\$46,699.78
Division Totals				\$46,700

DIVISION 2	QTY	UNIT COST	UNIT	COST
SELECTIVE DEMOLITION				
Roof - Major Demolition	3,665	\$6.00	SF	\$21,990.00
Roof - Shingle and limited Sheathing Demolition	12,490	\$2.00	SF	\$24,980.00
Selective Demolition Abatement (Clearing)	17,608	\$3.00	SF	\$52,824.00
Selective Demolition Abatement (Interior spaces)	17608	\$6.00	SF	\$105,648.00
*Additional MEP & Site Demolition shown in those estimates				
Division Totals				\$205,442

DIVISION 5	QTY	UNIT COST	UNIT	COST
STEEL				
Joist Repair	1000	\$25.00	SF	\$25,000.00
Division Totals				\$25,000

DIVISION 6	QTY	UNIT COST	UNIT	COST
WOOD & COMPOSITES				
Pre-Engineered Wood Truss Repairs/Replacement	1500	\$30.00	SF	\$45,000.00
Bearing Plate Repair/Replacement	830	\$15.00	LF	\$12,450.00
Hurricane Ties	830	\$15.00	LF	\$12,450.00
Division Totals				\$69,900

DIVISION 7	QTY	UNIT COST	UNIT	COST
THERMAL & MOISTURE				
Roof weather barrier	16155	\$2.00	SF	\$32,310.00
Asphalt Shingles	16155	\$3.25	SF	\$52,503.75
Fascia & Drip Edge	830	\$11.00	LF	\$9,130.00
Soffit Panels	1500	\$11.00	SF	\$16,500.00
Roof Sheathing Repairs	2500	\$3.00	SF	\$7,500.00
New Roof Sheathing	3665	\$11.00	SF	\$40,315.00
Step Flashing at Gym Wall	78	\$11.50	LF	\$897.00
Division Totals				\$159,156

DIVISION 8	QTY	UNIT COST	UNIT	COST
DOORS & WINDOWS				
New Louvers	100	\$75.00	SF	\$7,500.00
Division Totals				\$7,500
GENERAL CONSTRUCTION SUBTOTAL				\$513,698
BUILDING SUBTOTAL C.O.W.				\$513,698
	3%	Bonds & Insurance		\$15,411
	3%	Contractor Estimating Contingency		\$15,411
ESTIMATED CONSTRUCTION COST				\$544,519
Construction Contingency (20% of CDBG funds, 5% FEMA funds)				\$136,130
ESTIMATED CONSTRUCTION COST + CONTINGENCY				\$680,649
TOTAL DESIGN FEES				\$94,000
FEMA Funds				\$262,000
CDBG Funds				\$525,000
TOTAL PROJECT FUNDING (per contract incl. soft costs)				\$787,000
Contract Construction Budget (total funds - contingency - design fee)				\$556,870
Estimated Constr. Cost v/s Contract Construction Budget				98%



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**Phase 2 Preliminary Estimate
 February 13, 2023**

All work will be bid by GC

	QTY	UNIT COST	UNIT	COST
DIVISION 1				
GENERAL				
General Conditions (Misc. Trades, Equipment, Cleaning, Etc.)	10%	\$230,603.75	SF	\$23,060.38
Division Totals				\$23,060
DIVISION 2				
SELECTIVE DEMOLITION				
Selective Demolition Abatement (Exterior windows)	1400	\$9.00	LF	\$12,600.00
*Additional MEP & Site Demolition shown in those estimates				
Division Totals				\$12,600
DIVISION 4				
MASONRY				
Masonry Point-up	80	\$20.00	SF	\$1,600.00
Division Totals				\$1,600
DIVISION 7				
THERMAL & MOISTURE				
Roof Insulation (Fiberglass Batt R-34)	16155	\$3.25	SF	\$52,503.75
Division Totals				\$52,504
DIVISION 8				
DOORS & WINDOWS				
Exterior doors and frames	19	\$2,000.00	Leaf	\$38,000.00
Exterior Door Hardware	19	\$1,100.00	Leaf	\$20,900.00
New Aluminum Storefront (Windows)	1400	\$75.00	SF	\$105,000.00
Division Totals				\$163,900
GENERAL CONSTRUCTION SUBTOTAL				\$253,664
DIVISION 15				
Mechanical (ventilation, unit heater in gym and lockers)	5142	\$15.00	SF	\$77,130.00
Plumbing	1	\$40,000.00	LS	\$40,000.00



114 E. Third Street
 Greenville, NC 27858
 IntrepidArchitecture.com
 P: 252.270.5330
 C: 252.902.4046

**Phase 3 Preliminary Estimate
 February 13, 2023**

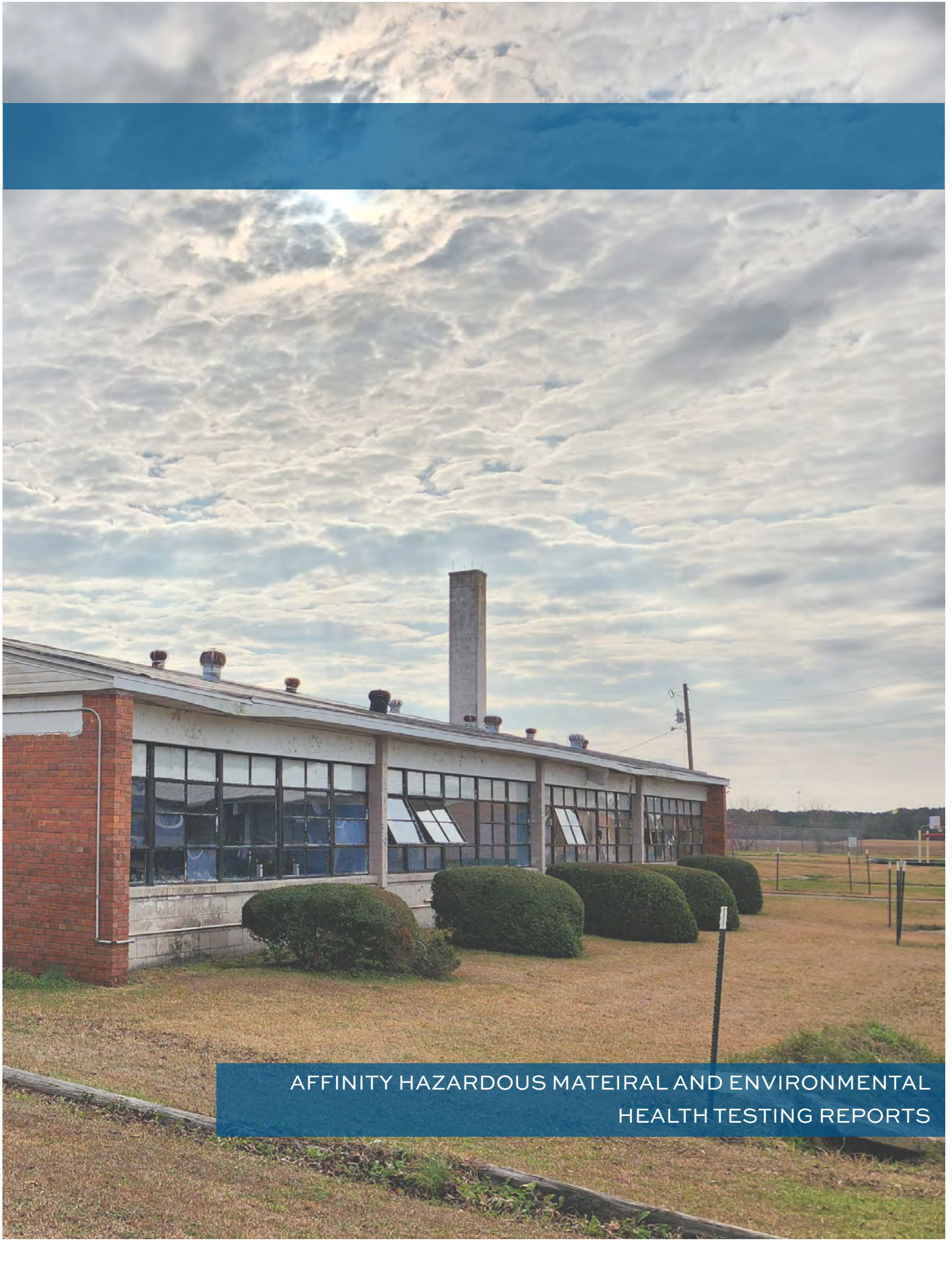
All work will be bid by GC

	QTY	UNIT COST	UNIT	COST
DIVISION 1				
GENERAL				
General Conditions (Misc. Trades, Equipment, Cleaning, Etc.)	10%	\$420,802.35	SF	\$42,080.24
Division Totals				\$42,080
DIVISION 6				
WOOD & COMPOSITES				
Casework - Toilet Room Vanities	16	\$525.00	LF	\$8,400.00
Casework - Breakroom/workroom	12	\$525.00	LF	\$6,300.00
Division Totals				\$14,700
DIVISION 8				
DOORS & WINDOWS				
Repair/refinish interior doors & frames	30	\$480.00	Leaf	\$14,400.00
Interior Door Hardware	30	\$625.00	Leaf	\$18,750.00
Division Totals				\$33,150
DIVISION 9				
FINISHES				
Carpet Tile	734	\$35.00	SY	\$25,690.00
4" Rubber Base	2016	\$2.25	LF	\$4,536.00
Interior Gyp. Bd. Assemblies (ceilings)	2,831	\$6.80	SF	\$19,250.80
VCT Flooring (student rooms, service spaces)	5000	\$6.00	SF	\$30,000.00
Painting (interior walls & H.M. frames)	22160	\$2.10	SF	\$46,536.00
Painting (interior ceilings - gypsum ceilings)	2831	\$1.05	SF	\$2,972.55
Painting (Gym/Multipurpose ceiling)	4179	\$3.00	SF	\$12,537.00
Epoxy Floor (Restrooms, Lockers, & Kitchen)	1540	\$15.00	SF	\$23,100.00
Rubber Sport Floor (Gym/Multipurpose)	4179	\$12.00	SF	\$50,148.00
Acoustic Tile Ceilings (Grid & Tile)	8783	\$4.00	SF	\$35,132.00
Division Totals				\$249,902
DIVISION 10				
SPECIALTIES				
Toilet Compartments	10	\$1,100.00	EA	\$11,000.00
Fire Extinguisher Cabinets	6	\$500.00	EA	\$3,000.00
Restroom Accessories	16	\$300.00	EA	\$4,800.00
Kitchen Hood (Replacement)	1	\$30,000.00	LS	\$30,000.00
Kitchen Equipment (Replacement)	1	\$20,000.00	LS	\$20,000.00

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APPENDIX A





AFFINITY HAZARDOUS MATERIAL AND ENVIRONMENTAL
HEALTH TESTING REPORTS

APPENDIX A

Asbestos Inspection Homogeneous Areas & Results

Asbestos Inspection Results

Davis Ventures Community Center

33478 US Highway 264 East

Engelhard, North Carolina

Homogeneous Area					Material Description			
Number	Description	Sample #	Sample Location	Total Asbestos % and Type	Location(s)	Estimated Quantity	Condition	Potential for Disturbance
A-01	Exterior Window Glazing MISC - NF	A-01-01	Main Building Front	4% Chrysotile	Throughout Main Building Window Units	57 Window Units	SD	PSD
		A-01-02	Main Building Rear	4% Chrysotile				
A-02	Top Layer of Roof Shingles MISC - NF	A-02-01	Main Building Roof	None Detected	Main Building Roof	14,000 SF	D	PSD
		A-02-02	Main Building Roof	None Detected				
A-03	Bottom Layer Roof Shingles & Felt MISC - NF	A-03-01A(shingles)	Main Building Roof	None Detected	Main Building Roof	14,000 SF	D	PSD
		A-03-01B(felt)	Main Building Roof	None Detected				
		A-03-02A(shingles)	Main Building Roof	None Detected				
		A-03-02B(felt)	Main Building Roof	None Detected				
A-04	2' x 4' Ceiling Tile (Chicken Track Pattern) MISC - F	A-04-01	Fitness Room	None Detected	Fitness Rooms & Restrooms	1,950 SF	D	PSD
		A-04-02	Men's Restroom	None Detected				
A-05	4" Black Vinyl Cove Base & Adhesive MISC - NF	A-05-01A(vinyl)	Fitness Room	None Detected	Throughout Main Building	Not Quantified	G	LPD
		A-05-01B(adhesive)	Fitness Room	None Detected				
		A-05-02A(vinyl)	Corridor	None Detected				
		A-05-02B(adhesive)	Corridor	None Detected				
A-06	9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) MISC - NF	A-06-01A(carpet glue)	Fitness Room	None Detected	Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum	9,700 SF	G	LPD
		A-06-01B(tile)	Fitness Room	6% Chrysotile				
		A-06-01B(brown mastic)	Fitness Room	None Detected				
		A-06-02A(tile)	Corridor	3% Chrysotile				
		A-06-02B(black mastic)	Corridor	8% Chrysotile				
		A-06-03A(tile)	Office Closet	5% Chrysotile				
		A-06-03B(black mastic)	Office Closet	None Detected				
		A-06-04A(tile)	Gym Corridor	3% Chrysotile				
A-06-04B(black mastic)	Gym Corridor	None Detected						
A-07	12" x 12" Pink Floor Tile and Mastic MISC - NF	A-07-01A(tile)	Corridor	None Detected	Top Layer of Flooring in Main Corridor and Office Area	2,250 SF	G	LPD
		A-07-01B(mastic)	Corridor	None Detected				
		A-07-02A(tile)	Corridor	None Detected				
		A-07-02B(mastic)	Corridor	None Detected				
		A-07-03A(tile)	Office Closet	None Detected				
		A-07-03B(mastic)	Office Closet	None Detected				

NOTE: Quantities Listed are for inspection purposes only. Quantities should be field verified for all other uses.

SURF = Surfacing	F= Friable	SF = Square Feet	G = Good
MISC = Miscellaneous Material	NF = Non-friable	LF = Linear Feet	D = Damaged
TSI = Thermal System Insulation	DNA = Did Not Analyze	CF = Cubic Feet	SD = Significantly Damaged
	ND = None Detected		LPD = Low Potential for Disturbance
			PD = Potential for Disturbance
			PSD = Potential of Significant Disturbance

Asbestos Inspection Results Davis Ventures Community Center 33478 US Highway 264 East Engelhard, North Carolina

Homogeneous Area					Material Description			
Number	Description	Sample #	Sample Location	Total Asbestos % and Type	Location(s)	Estimated Quantity	Condition	Potential for Disturbance
A-08	Sprayed-on Texture Ceiling Surfacing SURF - F	A-08-01	Corridor North	None Detected	Throughout Main Corridor of Building	1,450 SF	G	LPD
		A-08-02	Corridor Middle	None Detected				
		A-08-03	Corridor South	None Detected				
A-09	Green Linoleum Flooring MISC - NF	A-09-01(vinyl & mastic)	Break Room	None Detected	Top Layer of Flooring in Break Room	720 SF	G	LPD
		A-09-02(vinyl & mastic)	Break Room	None Detected				
A-10	Concrete Block Wall Coating MISC - F	A-10-01	Corridor	None Detected	Throughout Concrete Block Walls of Building	Not Quantified	G	LPD
		A-10-02	Fitness Room	None Detected				
		A-10-03	Gym	None Detected				
A-11	Plaster Ceiling SURF - F	A-11-01(finish & base)	Gym Corridor	None Detected	Gym Corridor & Gym Locker Rooms	810 SF	SD	PSD
		A-11-02(finish & base)	Gym Corridor	None Detected				
		A-11-03(mash sample)	Gym Locker Room	None Detected				
A-12	12" x 12" Red Floor Tile & Mastic MISC - NF	A-12-01A(tile)	Gym Locker Room	None Detected	Gym Locker Room	100 SF	G	LPD
		A-12-01B(mastic)	Gym Locker Room	None Detected				
		A-12-02A(tile)	Gym Locker Room	None Detected				
		A-12-02B(mastic)	Gym Locker Room	None Detected				
A-13	Mud Pipe Insulation Fitting (Elbows, T's, etc.) TSI - F	A-13-01	Gym Locker Room	None Detected	Fittings Throughout Gym Locker Rooms and Mechanical Room	25 Fittings	D	PSD
		A-13-02	Mechanical Room	None Detected				
		A-13-03	Mechanical Room	None Detected				
A-14	Black Chalkboard Mastic MISC - NF	A-14-01	Fitness Room	5% Chrysotile	Throughout Chalkboards of Building	Not Quantified	G	LPD
A-15	2' x 2' Decorative Ceiling Tile MISC - F	A-15-01	Dining Room	None Detected	Cafeteria Dining Room	250 SF	D	PSD
		A-15-02	Dining Room	None Detected				
A-16	Plaster Bulkhead SURF - F	A-16-01	Dining Room	None Detected	Cafeteria Dining Room	120 SF	D	PSD
A-17	2' x 4' Drywall Ceiling Tile MISC - F	A-17-01	Kitchen	None Detected	Cafeteria Kitchen	575 SF	D	PSD
		A-17-02	Kitchen	None Detected				

NOTE: Quantities Listed are for inspection purposes only. Quantities should be field verified for all other uses.

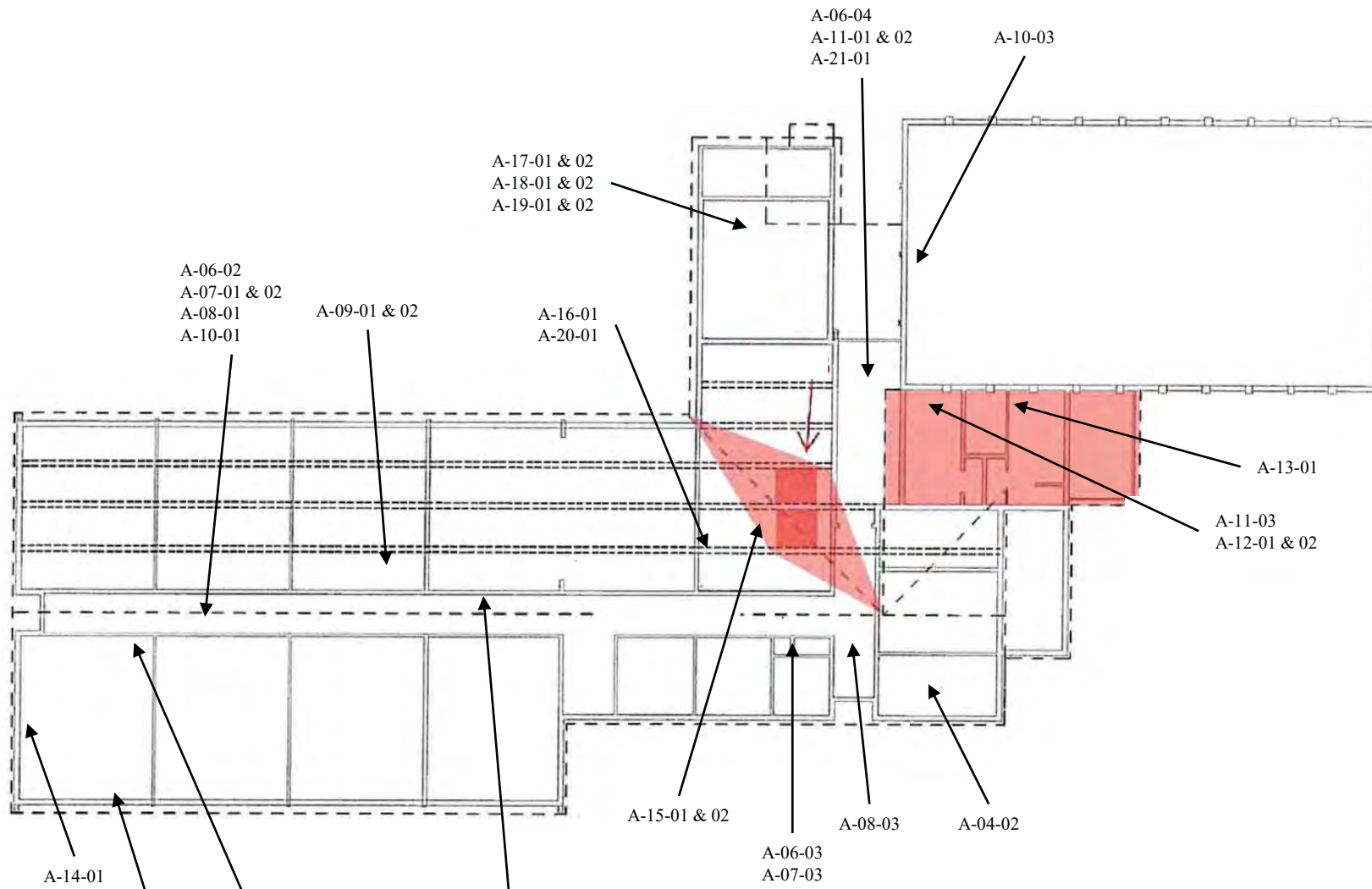
SURF = Surfacing	F= Friable	SF = Square Feet	G = Good
MISC = Miscellaneous Material	NF = Non-friable	LF = Linear Feet	D = Damaged
TSI = Thermal System Insulation	DNA = Did Not Analyze	CF = Cubic Feet	SD = Significantly Damaged
	ND = None Detected		LPD = Low Potential for Disturbance
			PD = Potential for Disturbance
			PSD = Potential of Significant Disturbance


Asbestos Inspection Results Davis Ventures Community Center 33478 US Highway 264 East Engelhard, North Carolina

Homogeneous Area					Material Description			
Number	Description	Sample #	Sample Location	Total Asbestos % and Type	Location(s)	Estimated Quantity	Condition	Potential for Disturbance
A-18	Gray Flooring & Mastic MISC - F	A-18-01(flooring & mastic)	Kitchen	None Detected	Cafeteria Kitchen	575 SF	D	PSD
		A-18-02(flooring & mastic)	Kitchen	None Detected				
A-19	12" x 12" Gray Floor Tile & Mastic MISC - NF	A-19-01A(tile)	Kitchen	None Detected	Kitchen Dishwash Area	11 SF	G	LPD
		A-19-01B(mastic)	Kitchen	None Detected				
		A-19-02A(tile)	Kitchen	None Detected				
		A-19-02B(mastic)	Kitchen	None Detected				
A-20	Drywall & Joint Compound Wall MISC - F	A-20-01	Cafeteria Dining Room	None Detected	Cafeteria Dining Room	900 SF	G	LPD
A-21	Built-up Roofing Debris MISC - NF	A-21-01	Gym Corridor	None Detected	Roofing Debris on Floor in Gym Corridor	Not Quantified	G	LPD
A-22	Exterior Window Frame Caulking MISC - NF	A-22-01	Main Building Rear	4% Chrysotile	Throughout Main Building Window Units	57 Window Units	G	LPD
		A-22-02	Main Building Front	4% Chrysotile				
A-23	"Air-Cell" Straight Run Pipe Insulation TSI - F	Assumed Asbestos-Containing - No Samples Collected			Mechanical Room	10 LF	G	LPD
NOTE : Quantities Listed are for inspection purposes only. Quantities should be field verified for all other uses.								
SURF = Surfacing		F= Friable		SF = Square Feet		G = Good		LPD = Low Potential for Disturbance
MISC = Miscellaneous Material		NF = Non-friable		LF = Linear Feet		D = Damaged		PD = Potential for Disturbance
TSI = Thermal System Insulation		DNA = Did Not Analyze		CF = Cubic Feet		SD = Significantly Damaged		PSD = Potential of Significant Disturbance
		ND = None Detected						

APPENDIX B

Asbestos Bulk Sampling Location Drawing



Asbestos Bulk Sampling Locations	
Davis Ventures Community Center	
Engelhard, NC	
Scale: No Scale	
Date: 1/14/2023	
Drawn by: MGC	
AEC #23009	
	

APPENDIX C

Asbestos PLM Bulk Sample Laboratory Results



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-01-01		4% Chrysotile		96% Other	White Non-Fibrous Homogeneous
10013885_0001					Ashed
A-01-02		4% Chrysotile		96% Other	White Non-Fibrous Homogeneous
10013885_0002					Teased, Ashed
A-02-01		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0003					Dissolved
A-02-02		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0004					Dissolved
A-03-01 - A		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0005	shingle				Dissolved
A-03-01 - B		None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
10013885_0047	felt				Dissolved, Teased
A-03-02 - A		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0048	shingle - not on coc				Dissolved
A-03-02 - B		None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
10013885_0049	felt - not on coc				Dissolved, Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Byron Stroble (71)

Analyst

Approved Signatory

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-04-01		None Detected	45% Mineral Wool 45% Cellulose	10% Other	Gray Fibrous Homogeneous
10013885_0006					Teased, Ashed
A-04-02		None Detected	45% Mineral Wool 45% Cellulose	10% Other	Gray Fibrous Homogeneous
10013885_0007					Teased, Ashed
A-05-01 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0008	covebase				Ashed
A-05-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0050	mastic				Dissolved
A-05-02 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0009	covebase				Ashed
A-05-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0051	mastic				Dissolved
A-06-01 - A		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0010	mastic 1				Dissolved
A-06-01 - B		6% Chrysotile		94% Other	Brown Non-Fibrous Homogeneous
10013885_0052	tile				Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



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Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-06-01 - C		None Detected		100% Other	Brown Non-Fibrous Homogeneous
10013885_0053	mastic 2				Dissolved
A-06-02 - A		3% Chrysotile		97% Other	Green Non-Fibrous Homogeneous
10013885_0011	tile				Dissolved
A-06-02 - B		8% Chrysotile		92% Other	Black Non-Fibrous Homogeneous
10013885_0054	mastic				Dissolved
A-06-03 - A		5% Chrysotile		95% Other	Black Non-Fibrous Homogeneous
10013885_0012	tile				Dissolved
A-06-03 - B		None Detected		100% Other	Black Non-Fibrous Homogeneous
10013885_0055	mastic				Dissolved
A-06-04 - A		3% Chrysotile		97% Other	Green Non-Fibrous Homogeneous
10013885_0013	tile				Dissolved
A-06-04 - B		None Detected		100% Other	Black Non-Fibrous Homogeneous
10013885_0056	mastic				Dissolved
A-07-01 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0014	tile				Dissolved

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Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-07-01 - B		None Detected		100% Other	White, Yellow Non-Fibrous Heterogeneous
10013885_0057	mastic/leveling compound				Dissolved
A-07-02 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0015	tile				Dissolved
A-07-02 - B		None Detected		100% Other	Yellow, White Non-Fibrous Heterogeneous
10013885_0058	mastic/leveling compound				Dissolved
A-07-03 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0016	tile				Dissolved
A-07-03 - B		None Detected		100% Other	Brown Non-Fibrous Homogeneous
10013885_0059	mastic				Dissolved
A-08-01		None Detected		90% Other 10% Vermiculite	White Non-Fibrous Homogeneous
10013885_0017					Teased
A-08-02		None Detected		90% Other 10% Vermiculite	White Non-Fibrous Homogeneous
10013885_0018					Teased
A-08-03		None Detected		90% Other 10% Vermiculite	White Non-Fibrous Homogeneous
10013885_0019					Teased

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Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
 P.O. Box 7153
 Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-09-01 - A		None Detected	30% Cellulose	70% Other	Brown Non-Fibrous Homogeneous
10013885_0020	vinyl sheet flooring				Teased
A-09-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0060	mastic				Dissolved
A-09-02 - A		None Detected	30% Cellulose	70% Other	Brown Non-Fibrous Homogeneous
10013885_0021	vinyl sheet flooring				Teased
A-09-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0061	mastic				Dissolved
A-10-01		None Detected		100% Other	White Non-Fibrous Homogeneous
10013885_0022					Dissolved
A-10-02		None Detected		100% Other	Blue Non-Fibrous Homogeneous
10013885_0023					Dissolved
A-10-03		None Detected		100% Other	Green Non-Fibrous Homogeneous
10013885_0024					Dissolved
A-11-01 - A		None Detected		100% Other	White Non-Fibrous Homogeneous
10013885_0025	finish				Crushed

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



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Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-11-01 - B		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0062	base				Crushed
A-11-02 - A		None Detected		100% Other	White Non-Fibrous Homogeneous
10013885_0026	finish				Crushed
A-11-02 - B		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0063	base				Crushed
A-11-03		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0027	single layer plaster				Crushed
A-12-01 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0028	tile				Dissolved
A-12-01 - B		None Detected		100% Other	Red Non-Fibrous Homogeneous
10013885_0064	mastic				Dissolved
A-12-02 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0029	tile				Dissolved
A-12-02 - B		None Detected		100% Other	Red Non-Fibrous Homogeneous
10013885_0065	mastic				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Byron Stroble (71)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-13-01		None Detected	30% Mineral Wool	70% Other	Gray Non-Fibrous Homogeneous
10013885_0030					Teased
A-13-02 - A		None Detected	60% Cellulose	40% Other	White Fibrous Heterogeneous
10013885_0031	wrap				Dissolved, Teased
A-13-02 - B		None Detected	30% Mineral Wool	70% Other	Gray Non-Fibrous Homogeneous
10013885_0066	insulation				Teased
A-13-03 - A		None Detected	60% Cellulose	40% Other	White Fibrous Heterogeneous
10013885_0032	wrap				Dissolved, Teased
A-13-03 - B		None Detected	30% Mineral Wool	70% Other	Gray Non-Fibrous Homogeneous
10013885_0067	insulation				Teased
A-14-01		5% Chrysotile		95% Other	Gray, Beige Non-Fibrous Heterogeneous
10013885_0033					Crushed, Dissolved
A-15-01		None Detected	45% Cellulose 45% Mineral Wool	10% Other	Gray Fibrous Homogeneous
10013885_0034					Teased, Ashed
A-15-02		None Detected	45% Mineral Wool 45% Cellulose	10% Other	Gray Fibrous Homogeneous
10013885_0035					Teased, Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Byron Stroble (71)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-16-01		None Detected	10% Cellulose	90% Other	White, Brown Non-Fibrous Homogeneous
10013885_0036					Teased
A-17-01		None Detected	10% Cellulose	90% Other	Brown, White Non-Fibrous Homogeneous
10013885_0037					Teased
A-17-02		None Detected	10% Cellulose	90% Other	Brown, White Non-Fibrous Homogeneous
10013885_0038					Teased
A-18-01 - A		None Detected	60% Cellulose	40% Other	Brown Fibrous Heterogeneous
10013885_0039	vinyl sheet flooring				Dissolved, Teased
A-18-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0068	mastic				Dissolved
A-18-02 - A		None Detected	60% Cellulose	40% Other	Brown Fibrous Heterogeneous
10013885_0040	vinyl sheet flooring				Dissolved, Teased
A-18-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0069	mastic				Dissolved
A-19-01 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0041	tile				Dissolved

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Byron Stroble (71)

Analyst

Approved Signatory

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-19-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0070	mastic				Dissolved
A-19-02 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0042	tile				Dissolved
A-19-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0071	mastic				Dissolved
A-20-01		None Detected	10% Cellulose	90% Other	Brown, White Non-Fibrous Heterogeneous
10013885_0043	drywall:none detect; joint compound:none detect				Teased
A-21-01		None Detected	30% Cellulose	70% Other	Black Non-Fibrous Heterogeneous
10013885_0044					Dissolved
A-22-01		4% Chrysotile		96% Other	Gray Non-Fibrous Homogeneous
10013885_0045					Ashed
A-22-02		4% Chrysotile		96% Other	Gray Non-Fibrous Homogeneous
10013885_0046					Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Byron Stroble (71)

Analyst

Approved Signatory



Scientific Analytical Institute
 4604 Dundas Dr. Greensboro, NC 27407
 Phone: 336.292.3888 Fax: 336.292.3313
 www.sailab.com lab@sailab.com

Lab Use Only
 Lab Order ID: 10013885
 Client Code: _____

Company Contact Information	
Company: Affinity Environmental Consulting, LLC	Contact: Mike Cook
Address: P.O. Box 7153	Phone <input type="checkbox"/> : (828) 508-3812
Ashville, NC 28802	Fax <input type="checkbox"/> :
	Email <input checked="" type="checkbox"/> : mcook@affinityenv.com

Asbestos Test Types	
PLM EPA 600/R-93/116 (PLM)	<input checked="" type="checkbox"/>
Positive stop	<input type="checkbox"/>
PLM Point Count 400 (PT4)	<input type="checkbox"/>
PLM Point Count 1000 (PTM)	<input type="checkbox"/>
PCM NIOSH 7400-A Rules (PCM)	<input type="checkbox"/>
B Rules (PCB) <input type="checkbox"/>	TWA (PTA) <input type="checkbox"/>
TEM AHERA (AHE)	<input type="checkbox"/>
TEM Level II (LII)	<input type="checkbox"/>
TEM NIOSH 7402 (TNI)	<input type="checkbox"/>
TEM Bulk Qualitative (TBL)	<input type="checkbox"/>
TEM Bulk Chatfield (TBS)	<input type="checkbox"/>
TEM Bulk Quantitative (TBQ)	<input type="checkbox"/>
TEM Wipe ASTM D6480-05	<input type="checkbox"/>
TEM Microvac ASTM D5755-02	<input type="checkbox"/>
TEM Water EPA 100.2 (TW1)	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>

Billing/Invoice Information	Turn Around Times	
Company: SAME	90 Min. <input type="checkbox"/>	48 Hours <input type="checkbox"/>
Contact:	3 Hours <input type="checkbox"/>	72 Hours <input type="checkbox"/>
Address:	6 Hours <input type="checkbox"/>	96 Hours <input type="checkbox"/>
	12 Hours <input type="checkbox"/>	120 Hours <input type="checkbox"/>
	24 Hours <input checked="" type="checkbox"/>	144* Hours <input type="checkbox"/>

PO Number: _____
 Project Name/Number: Davis Ventures Community Center

Sample ID #	Description/Location	Volume/Area	Comments
A-01-01			
A-01-02			
A-02-01			
A-02-02			
A-03-01			Accepted <input checked="" type="checkbox"/>
A-04-01			
A-04-02			Rejected <input type="checkbox"/>
A-05-01			
A-05-02			
A-06-01			
A-06-02			

Total # of Samples 46

Relinquished by	Date/Time	Received by	Date/Time
<i>Mike Cook</i>	1/13/23	<i>Don H. P. [Signature]</i>	1/14/23 1200

APPENDIX D

Lead Survey XRF Results

XRF PAINT TESTING DATA
 DAVIS VENTURES COMMUNITY CENTER
 33478 US HIGHWAY 264 | ENGELHARD, NC

TEST #	DATE	TIME	COLOR	SUBSTRATE	COMPONENT	LOCATION	PbC mg/cm ²	RESULT
1	1/12/2023	12:20:44	YELLOW	CMU	WALL	CORRIDOR	0.1	Negative
2	1/12/2023	12:21:06	YELLOW	CMU	WALL	CORRIDOR	0	Negative
3	1/12/2023	12:21:32	PINK	METAL	DOOR CASE	CORRIDOR	0.2	Negative
4	1/12/2023	12:21:48	PINK	METAL	DOOR CASE	CORRIDOR	0	Negative
5	1/12/2023	12:22:18	WHITE	DRYWALL	CEILING	CORRIDOR	0	Negative
6	1/12/2023	12:22:26	WHITE	DRYWALL	CEILING	CORRIDOR	0	Negative
7	1/12/2023	12:23:31	WHITE	WOOD	CEILING DECKING	FITNESS	0	Negative
8	1/12/2023	12:23:41	WHITE	WOOD	CEILING DECKING	FITNESS	0.3	Negative
9	1/12/2023	12:24:23	WHITE	CONCRETE	BEAM	FITNESS	0.6	Negative
10	1/12/2023	12:24:48	WHITE	CMU	WALL	FITNESS	0	Negative
11	1/12/2023	12:25:01	BLUE	CMU	WALL	FITNESS	0	Negative
12	1/12/2023	12:25:26	WHITE	METAL	WINDOW SASH	FITNESS	1	Positive
13	1/12/2023	12:25:49	WHITE	METAL	WINDOW CASE	FITNESS	0.9	Negative
14	1/12/2023	12:26:29	WHITE	METAL	DOOR	FITNESS	0	Negative
15	1/12/2023	12:31:32	YELLOW	WOOD	CHALKBOARD TRIM	FITNESS	0.6	Negative
16	1/12/2023	12:31:56	YELLOW	WOOD	CHALKBOARD TRIM	FITNESS	0.6	Negative
17	1/12/2023	12:32:17	YELLOW	METAL	RADIATOR	FITNESS	0	Negative
18	1/12/2023	12:32:43	YELLOW	METAL	WINDOW SASH	FITNESS	1.1	Positive
19	1/12/2023	12:35:06	WHITE	WOOD	CEILING DECKING	MEETING ROOM	0.1	Negative
20	1/12/2023	12:35:52	WHITE	CONCRETE	WINDOW HEADER	MEETING ROOM	0.7	Negative
21	1/12/2023	12:36:43	YELLOW	CMU	WALL	MEETING ROOM	0.3	Negative
22	1/12/2023	12:37:36	WHITE	WOOD	DOOR	MEETING ROOM	0.6	Negative
23	1/12/2023	12:37:52	WHITE	WOOD	DOOR CASE	MEETING ROOM	0.9	Negative
24	1/12/2023	12:38:30	WHITE	METAL	DOOR CASE	CORRIDOR	0.8	Negative
25	1/12/2023	13:00:11	WHITE	DRYWALL	WALL	CAFETERIA	0.1	Negative
26	1/12/2023	13:00:34	WHITE	WOOD	DOOR	CAFETERIA	0	Negative
27	1/12/2023	13:02:21	RED	CONCRETE	FLOOR	OFFICE	0.1	Negative
28	1/12/2023	13:02:55	GREEN	WOOD	SHELVING	OFFICE	0	Negative
29	1/12/2023	13:05:10	WHITE	WOOD	CEILING	OFFICE	0.1	Negative
30	1/12/2023	13:05:32	YELLOW	CMU	WALL	OFFICE	2.5	Positive
31	1/12/2023	13:05:45	YELLOW	CMU	WALL	OFFICE	0	Negative
32	1/12/2023	13:06:04	YELLOW	CMU	WALL	OFFICE	1.8	Positive
33	1/12/2023	13:06:16	YELLOW	CMU	WALL	OFFICE	0.1	Negative
34	1/12/2023	13:06:27	YELLOW	CMU	WALL	OFFICE	0	Negative
35	1/12/2023	13:07:09	YELLOW	METAL	WINDOW SASH	OFFICE	1.7	Positive
36	1/12/2023	13:07:23	YELLOW	METAL	WINDOW CASE	OFFICE	3	Positive
37	1/12/2023	13:07:55	WHITE	WOOD	DOOR CASE	OFFICE	0.8	Negative
38	1/12/2023	13:08:58	RED	METAL	DOOR	RESTROOM	1.5	Positive
39	1/12/2023	13:09:11	RED	METAL	DOOR CASE	RESTROOM	1.5	Positive
40	1/12/2023	13:09:43	WHITE	METAL	DOOR CASE	EXIT DOOR	0	Negative
41	1/12/2023	13:09:58	WHITE	METAL	DOOR	EXIT DOOR	0.1	Negative
42	1/12/2023	13:10:23	WHITE	CMU	WALL	RESTROOM	0.2	Negative
43	1/12/2023	13:10:39	WHITE	CONCRETE	WALL	RESTROOM	0.1	Negative
44	1/12/2023	13:11:00	WHITE	PORCELAIN	SINK	RESTROOM	0	Negative
45	1/12/2023	13:11:53	WHITE	PLASTER	CEILING	RESTROOM	0.2	Negative
46	1/12/2023	13:13:02	GRAY	BRICK	WALL	RESTROOM	0.2	Negative

XRF PAINT TESTING DATA
 DAVIS VENTURES COMMUNITY CENTER
 33478 US HIGHWAY 264 | ENGELHARD, NC

TEST #	DATE	TIME	COLOR	SUBSTRATE	COMPONENT	LOCATION	PbC mg/cm ²	RESULT
47	1/12/2023	13:13:22	GRAY	METAL	DOOR	RESTROOM	0.1	Negative
48	1/12/2023	13:13:39	RED	METAL	DOOR CASE	RESTROOM	0.4	Negative
49	1/12/2023	13:14:09	RED	METAL	DOOR CASE	LOCKER ROOM	0.4	Negative
50	1/12/2023	13:14:37	WHITE	PLASTER	CEILING	LOCKER ROOM	0.1	Negative
51	1/12/2023	13:15:02	YELLOW	CMU	WALL	LOCKER ROOM	0	Negative
52	1/12/2023	13:15:25	WHITE	CMU	WALL	GYM	0	Negative
53	1/12/2023	13:15:34	WHITE	CMU	WALL	GYM	0	Negative
54	1/12/2023	13:16:00	RED	WOOD	DOOR	GYM	0	Negative
55	1/12/2023	13:16:20	RED	METAL	DOOR	GYM	0.1	Negative
56	1/12/2023	13:18:07	GREEN	METAL	DOOR	EXTERIOR	0.1	Negative
57	1/12/2023	13:18:22	GREEN	METAL	DOOR CASE	EXTERIOR	0	Negative
58	1/12/2023	13:18:46	BLACK	METAL	WINDOW SASH	EXTERIOR	1.5	Positive
59	1/12/2023	13:19:20	WHITE	CONCRETE	WINDOW HEADER	EXTERIOR	1.3	Positive
60	1/12/2023	13:19:36	WHITE	CONCRETE	WINDOW HEADER	EXTERIOR	1.5	Positive
61	1/12/2023	13:27:55	WHITE	CMU	WALL	MECH ROOM	0	Negative
62	1/12/2023	13:29:11	GREEN	METAL	DOOR	MECH ROOM	0.9	Negative
63	1/12/2023	13:30:50	WHITE	CMU	COLUMN	EXT GYM	0	Negative
64	1/12/2023	13:31:18	RED	METAL	COLUMN	EXT GYM	0.2	Negative
65	1/12/2023	13:32:18	TAN	CMU	WALL	EXT CAFÉ	0.1	Negative
66	1/12/2023	13:32:43	BROWN	METAL	DOOR	EXT CAFÉ	0	Negative
67	1/12/2023	13:36:09	WHITE	METAL	FASCIA	EXTERIOR	0.8	Negative
68	1/12/2023	13:36:47	BEIGE	CMU	WALL	EXTERIOR	0.3	Negative
69	1/12/2023	13:37:15	BLACK	METAL	WINDOW SASH	EXTERIOR	0.8	Negative
70	1/12/2023	13:37:34	BLACK	METAL	WINDOW SASH	EXTERIOR	0.9	Negative
71	1/12/2023	13:39:42	WHITE	WOOD	EAVE	EXTERIOR	3	Positive

APPENDIX E

Mold Surface Sampling Laboratory Analysis Data

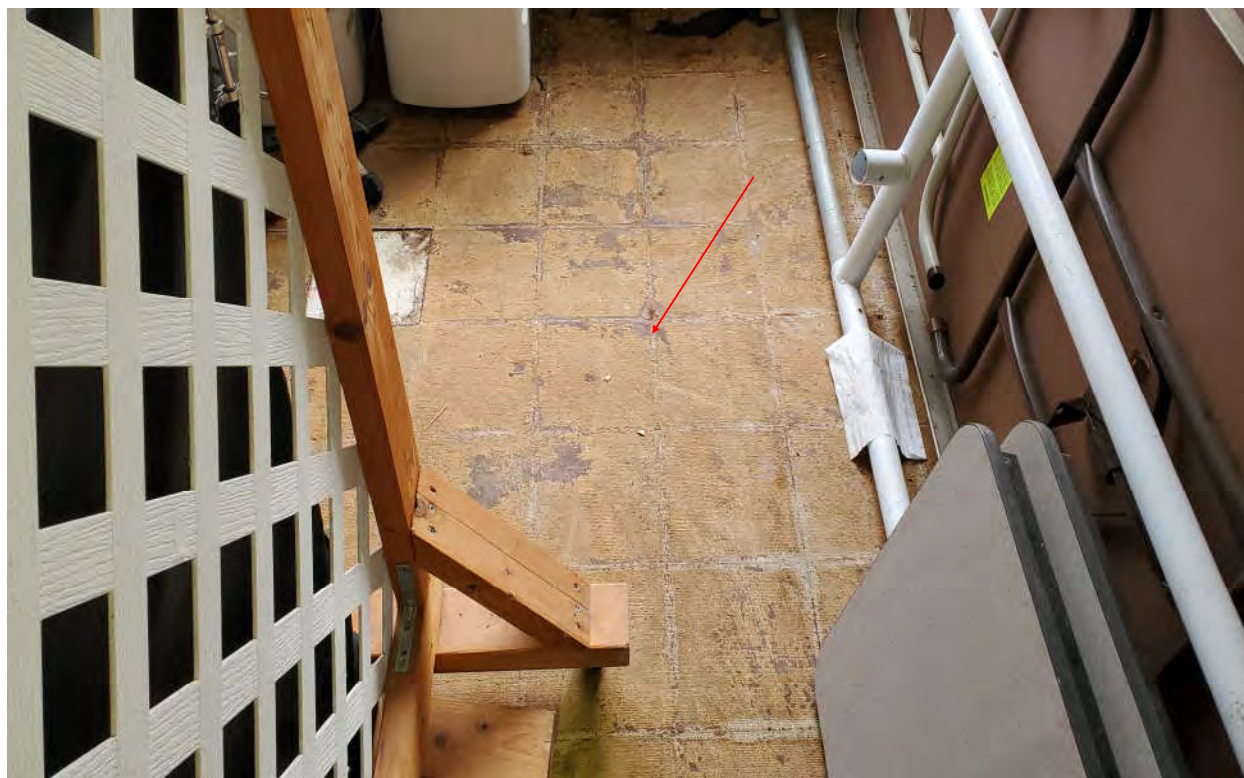
APPENDIX F

Photographs

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 1 - Homogeneous Areas A-01 & A-22—Typical Asbestos-Containing Exterior Window Glazing and Window Frame Caulking Located Throughout Main Building Window Units. (57 Window Units)

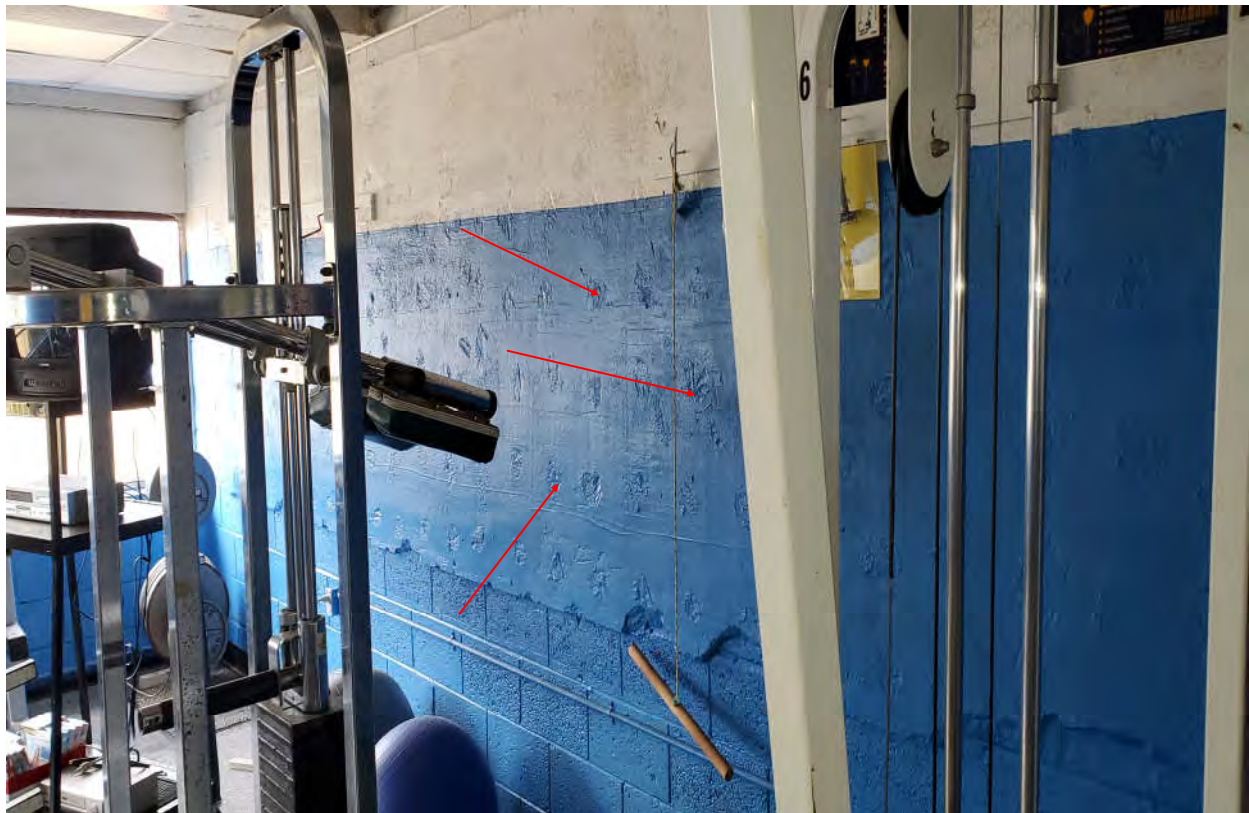


Photograph 2 - Homogeneous Area A-06—Typical Asbestos-Containing 9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) Located as Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum (9,700 SF)

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 3 - Homogeneous Area A-06 - Typical Asbestos-Containing 9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) Located as Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum



Photograph 4 - Homogeneous Areas A-14—Typical Asbestos-Containing Chalkboard Mastic Located Throughout Main Building Chalkboards.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 5 - Homogeneous Area A-23 - Asbestos-Containing “Air-Cell” Straight Run Pipe Insulation Located Overhead in the Mechanical Room. (10 LF)



Photograph 6 - Typical Lead-Based Paint Throughout Interior and Exterior Metal Window Components (Sashes & Casings), Concrete Window Headers, & Wooden Eaves of Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 7 - Typical Lead-Based Paint on Red Doors and Dooring Casings in Restrooms of Main Building.



Photograph 8 - Typical Lead-Based Paint on CMU Walls in This One Room Only in Office Area in Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 9 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.



Photograph 10 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 11 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.



Photograph 12 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**

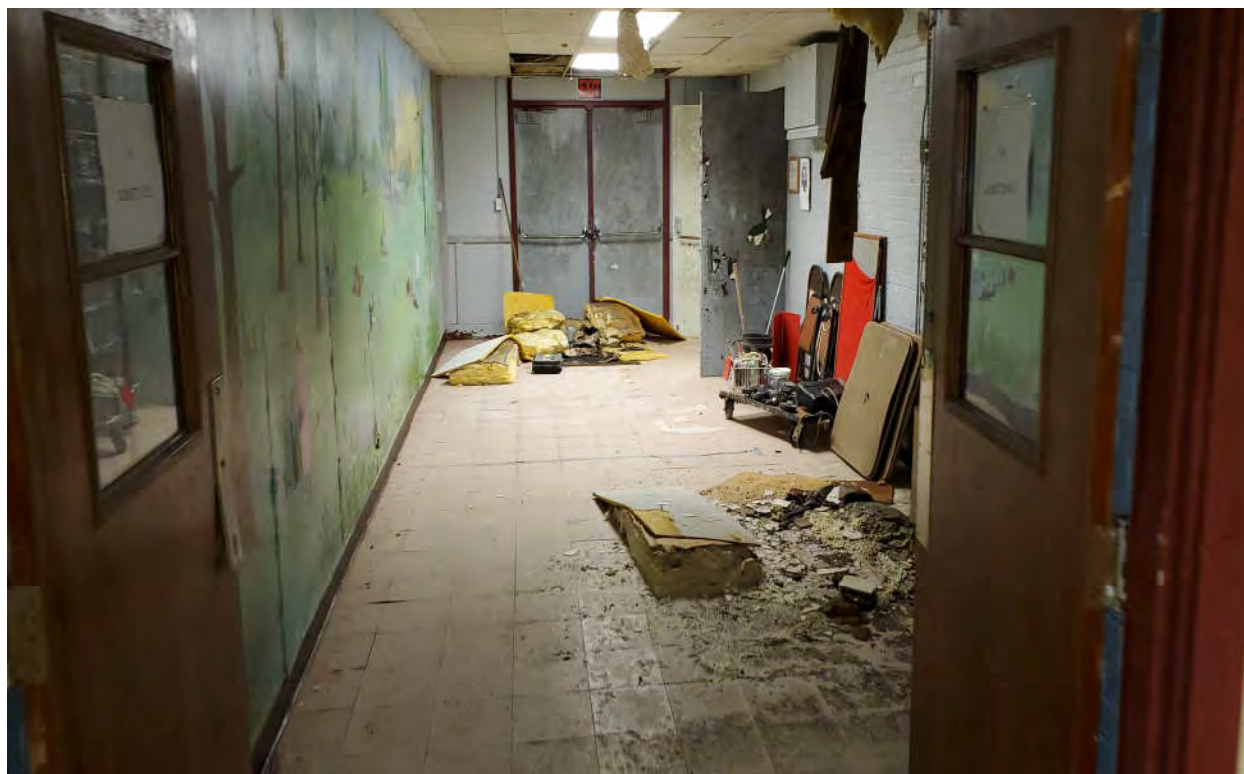


Photograph 13 - Typical Moisture Damage & Mold Growth in Cafeteria from Damaged Roof.



Photograph 14 - Typical Moisture Damage & Mold Growth on Walls, Door Components, & Other Surfaces in the Cafeteria from Damaged Roof.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 15 - Typical Water Damage & Mold Growth in Gym Corridor from Damaged Roof.



Photograph 16 - Typical Moisture Damage & Mold Growth on Walls, Door Components, & Other Surfaces in the Gym Locker Rooms from Damaged Roof.

ATTACHMENT 8:

Endangered Species

USFWS Raleigh FO 10-step Package and USFWS
and NCORR Correspondence

Gievers, Andrea

From: Gievers, Andrea
Sent: Tuesday, June 13, 2023 12:43 PM
To: Raleigh, FW4
Cc: Mann, Leigh
Subject: Self-Certification - Davis Ventures Community Center Project
Attachments: NCORR USFWS Davis Ventures Community Center Self-Cert Pkg 6.13.23.pdf

Hello:

Please accept the Davis Ventures Community Center Project Self-Certification Letter and supporting No Effect documentation for your records. The North Carolina Office of Recovery and Resiliency (NCORR), as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD), is considering funding this Infrastructure Recovery Program project. The proposed project site (Subject Property) is the former Davis School located at 33478 U.S. 264, Engelhard, Hyde County, NC 27824. Hyde County is requesting Community Development Block Grant – Mitigation (CDBG-MIT) funding for the Davis Ventures Community Center to make improvements including replace the roof and windows; remediate, abate and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions. The gymnasium/auditorium flat-top roof was replaced circa 1976. The 1953 former Davis School and contributing buildings (1964 gymnasium/auditorium and classroom building and 1971 cafeteria/ kitchen) were listed on the National Register of Historic Places for local significance on April 17, 2023. The subject building was originally constructed as a school for African-American students circa 1953 with additions constructed in 1964 (gymnasium) and 1971 (cafeteria/ kitchen). Due to the age of the structure, a qualified lead-based paint and asbestos contractor is required for survey and abatement in compliance with all applicable federal, State and local laws, regulations and procedures. No digging, earthwork, boring, or tunneling are anticipated to be necessary for the proposed project. No land or easement acquisition is proposed for this project. The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Please feel free to contact me if you have any questions. Thank you for your time and assistance!

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700



North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

June 13, 2023

Mr. John Ellis
U.S. Fish and Wildlife Service
Raleigh ES Field Office
P.O. Box 33726
Raleigh, NC 27636-3726

Sent Via Email: Raleigh@fws.gov
Leigh_Mann@fws.gov

RE: Section 7 Project Review - No Effect Determination
NCORR - HUD CDBG-MIT Program
Davis Ventures Community Center
33478 U.S. 264
Engelhard, NC 27824

Dear Mr. Ellis:

The North Carolina Office of Recovery and Resiliency (NCORR), as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD), is considering funding this proposed Infrastructure Recovery Program project, the Davis Ventures Community Center, located at 33478 U.S. 264, Engelhard, Hyde County, NC 27824. The State of North Carolina was adversely impacted by the landfall of Hurricane Matthew (October 8, 2016). During Hurricane Matthew, the Davis Ventures Community Center's roof failed under the heavy rains and high winds and the electrical boxes were damaged by water leaking into the building. Volunteers pumped the rainwater from the building. The Hyde County Building Inspector visited the site and issued a letter stating that the roof was damaged beyond repair. He also noted in the letter that water was leaking onto the electrical boxes, which posed a serious fire hazard and life safety hazard. According to the January 17, 2023 Hazardous Materials Assessment Report, the roof was observed to be in poor condition throughout. There are numerous tarps on sections of the roof. The roof is caved in over the cafeteria dining room and adjacent gym corridor. There are various water damaged ceiling tiles located throughout the building.

Mailing Address:
Post Office Box 110465
Durham, NC 27709



Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

An Equal Opportunity Employer

Hyde County is requesting Community Development Block Grant – Mitigation (CDBG-MIT) funding for the Davis Ventures Community Center to make improvements including replace the roof and windows; remediate, abate and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions. The gymnasium/auditorium flat-top roof was replaced circa 1976. The 1953 former Davis School and contributing buildings (1964 gymnasium/auditorium and classroom building and 1971 cafeteria/kitchen) were listed on the National Register of Historic Places for local significance on April 17, 2023. The Davis School was originally constructed as a school for African-American students circa 1953 with additions constructed in 1964 (gymnasium) and 1971 (cafeteria/ kitchen). Due to the age of the structure, a qualified lead-based paint and asbestos contractor is required for survey and abatement in compliance with all applicable federal, State and local laws, regulations and procedures. The existing roof structure will be evaluated for structural load capability and determination of wind loads in accordance with Minimum Design Loads and Associated Criteria for Buildings and Other Structures (ASCE/SEI 7-16), as required by the current edition of the State Building Code, to accommodate and provide specifications for the most appropriate design for structural integrity and long-term stability.

The purpose of this letter is to provide the U.S. Fish and Wildlife Service – Raleigh ES Field Office (USFWS) notice of the proposed project and to document compliance with Section 7 of the Endangered Species Act (ESA) of 1973 (16 U.S.C. 1531-1544, 87 Stat. 884), as well as the Migratory Bird Treaty Act (MBTA) (16 U.S.C. 703–712) and the Bald and Golden Eagle Protection Act (BGEPA) (16 U.S.C. 668-668c, 54 Stat. 250), as amended.

We have reviewed the proposed project using the USFWS Raleigh Ecological Services’ online 10-step project review process and made “**no effect**” determinations for proposed/listed species and/or proposed/designated critical habitat and a “**no Eagle Act permit required**” determination for eagles. Please find attached the Self-certification Letter and 10-step Project Review Package for the proposed project in accordance with all instructions provided, using the best available information to reach our conclusions.

This roof replacement and rehabilitation project at the Davis Ventures Community Center would not jeopardize the continued existence of ESA species or destroy or adversely modify their critical habitat. The existing flat membrane roof will remain, and the proposed project will involve the following activities, subject to change based on current conditions: Mold remediation; lead and asbestos abatement; removal, demolition and replacement of rotten and damaged materials (collapsed gabled roof system, flat wood decking, wood sill plates, original wood decking under trusses, ceiling system, floor finishes, and wood under roof sheathing); removal and demolition of soffit panels and fascia cladding around perimeter of building, gymnasium louvers, asphalt shingles, casework, and bathroom partitions and accessories; removal and replacement of existing windows with new thermally-broken aluminum storefront and low-e coated insulated glazing panels; installation of new roof framing to match existing roof profile, hurricane ties at all load-bearing wall locations, new roof sheathing to match existing adjacent, two offset layers of roofing felts and asphalt shingle roofing system, roof felt pattern, fastening pattern of shingles, pre-finished aluminum drip edge, fascia cladding, and vented soffit panels around perimeter of building with

gable roof, pre-finished aluminum continuous flashing with continuous termination bar, new hurricane-rated louvers and sill pans with end dams, and a continuous ridge vent; removal and disposal of nonfunctional mechanical systems (HVAC); and removal for storage of the commercial kitchen equipment and hood system. No digging, earthwork, boring, or tunneling are anticipated to be necessary for the proposed project. No land or easement acquisition is proposed for this project. There is *no anticipated ground disturbance or tree/vegetation removal required*.

A USFWS Information for Planning and Consultation (IPaC) Official Species List and NC Natural Heritage Program (NHP) Database Query Report were prepared for the proposed project. According to the U.S. Fish and Wildlife Service's (USFWS) Information for Planning and Consultation (IPaC) Official Species List, there are a total of sixteen threatened, endangered, or candidate species identified for the proposed project area. These species include the Northern Long-eared Bat (*Myotis septentrionalis*), Red Wolf (*Canis rufus* – Endangered & Experimental Population), Tricolored Bat (*Perimyotis subflavus*), Eastern Black Rail (*Laterallus jamaicensis* ssp. *jamaicensis*), Piping Plover (*Charadrius melodus*), Red Knot (*Calidris canutus rufa*), Red-cockaded Woodpecker (*Picoides borealis*), American Alligator (*Alligator mississippiensis*), Green Sea Turtle (*Chelonia mydas*), Hawksbill Sea Turtle (*Eretmochelys imbricata*), Kemp's Ridley Sea Turtle (*Lepidochelys kempii*), Leatherback Sea Turtle (*Dermochelys coriacea*), Loggerhead Sea Turtle (*Caretta caretta*), Monarch Butterfly (*Danaus plexippus*), and Sensitive Joint-vetch (*Aeschynomene virginica*). However, the report indicates that there are no critical habitats within the project area. In addition, the NC NHP Database Query Report documented element occurrences within a one-mile radius of the proposed project site. The NC NHP Database Query Report identified two federally-listed species (Red Wolf and Sensitive Joint-vetch) and no State-protected species within one mile of the proposed project site. According to the NC NHP database, there are no records for rare species, important natural communities, natural areas, and/ or conservation/ managed areas within the proposed project boundary. There are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. According to the IPaC Official Species List, the Bald Eagle and ten FWS migratory Birds of Conservation Concern (BCC) might be present within the vicinity of the proposed project area.

The proposed project site does not contain suitable habitat for these species since the land is a regularly mowed and maintained Community Center with multiple buildings on the Subject Property including the Hyde County Public Library, and paved parking. This roof replacement and rehabilitation project does not involve tree or vegetation clearing or ground disturbance. The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions.

NCORR is submitting the above information as notification of its **No Effect** determination and requests *acknowledgement* from USFWS that they have received this determination that the proposed project would have No Effect on migratory birds, endangered/threatened species, or critical habitat for species under USFWS jurisdiction.

If you have any questions or require additional information regarding this request, please feel free to contact Andrea Gievers at (845) 682-1700 or via email at Andrea.L.Gievers@Rebuild.NC.gov. Thank you for your time and assistance.

Sincerely,

Andrea Sievers

Andrea Gievers, JD, MSEL, ERM
NCORR Environmental Subject Matter Expert

Attachments:

- Self-certification Letter
- 10-step Project Review Package



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Raleigh Ecological Services Field Office
Post Office Box 33726
Raleigh, NC 27636-3726
Phone: (919) 856-4520 Fax: (919) 856-4556

In Reply Refer To:
Project Code: 2023-0092778
Project Name: Davis Ventures Community Center

June 13, 2023

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*). If your project area contains suitable habitat for any of the federally-listed species on this species list, the proposed action has the potential to adversely affect those species. If suitable habitat is present, surveys should be conducted to determine the species' presence or absence within the project area. The use of this species list and/or North Carolina Natural Heritage program data should not be substituted for actual field surveys.

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered

species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/birds/policies-and-regulations.php>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
 - Migratory Birds
-

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Raleigh Ecological Services Field Office

Post Office Box 33726

Raleigh, NC 27636-3726

(919) 856-4520

PROJECT SUMMARY

Project Code: 2023-0092778
Project Name: Davis Ventures Community Center
Project Type: Disaster-related Grants
Project Description: The proposed project site is the former Davis School located at 33478 U.S. 264, Engelhard, Hyde County, NC 27824. Hyde County is requesting Community Development Block Grant – Mitigation (CDBG-MIT) funding for the Davis Ventures Community Center to make improvements including replace the roof and windows; remediate, abate and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions. The gymnasium/auditorium flat-top roof was replaced circa 1976. The Davis Ventures Community Center, former Davis School, was approved for National Register listing by the National Register Advisory Committee (NRAC) on February 9, 2023. The subject building was originally constructed as a school for African-American students circa 1954 with additions constructed in 1963-64 (gymnasium) and 2007 (kitchen). Due to the age of the structure, a qualified lead-based paint and asbestos contractor is required for survey and abatement in compliance with all applicable federal, State and local laws, regulations and procedures. The existing roof structure will be evaluated for structural load capability and determination of wind loads in accordance with Minimum Design Loads and Associated Criteria for Buildings and Other Structures (ASCE/SEI 7-16), as required by the current edition of the State Building Code, to accommodate and provide specifications for the most appropriate design for structural integrity and long-term stability. No digging, earthwork, boring, or tunneling are anticipated to be necessary for the proposed project. No land or easement acquisition is proposed for this project.

The existing flat membrane roof will remain, and the proposed project will involve the following activities, subject to change based on current conditions: Mold remediation; lead and asbestos abatement; removal, demolition and replacement of rotten and damaged materials (collapsed gabled roof system, flat wood decking, wood sill plates, original wood decking under trusses, ceiling system, floor finishes, and wood under roof sheathing); removal and demolition of soffit panels and fascia cladding around perimeter of building, gymnasium louvers, asphalt shingles, casework, and bathroom partitions and accessories; removal and replacement of existing windows with new thermally-broken aluminum storefront and low-e coated insulated glazing panels; installation of new roof framing to match existing roof profile, hurricane ties at all load-

bearing wall locations, new roof sheathing to match existing adjacent, two offset layers of roofing felts and asphalt shingle roofing system, roof felt pattern, fastening pattern of shingles, pre-finished aluminum drip edge, fascia cladding, and vented soffit panels around perimeter of building with gable roof, pre-finished aluminum continuous flashing with continuous termination bar, new hurricane-rated louvers and sill pans with end dams, and a continuous ridge vent; removal and disposal of nonfunctional mechanical systems (HVAC); and removal for storage of the commercial kitchen equipment and hood system.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@35.510330249999996,-76.02231780673944,14z>



Counties: Hyde County, North Carolina

ENDANGERED SPECIES ACT SPECIES

There is a total of 16 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered
Red Wolf <i>Canis rufus</i> Population: Wherever found, except where listed as an experimental population No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/37	Endangered
Red Wolf <i>Canis rufus</i> Population: U.S.A. (portions of NC and TN) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/37	Experimental Population, Non- Essential
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

BIRDS

NAME	STATUS
Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10477	Threatened
Piping Plover <i>Charadrius melodus</i> Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039	Threatened
Red Knot <i>Calidris canutus rufa</i> There is proposed critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/1864	Threatened
Red-cockaded Woodpecker <i>Picoides borealis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7614	Endangered

REPTILES

NAME	STATUS
American Alligator <i>Alligator mississippiensis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/776	Similarity of Appearance (Threatened)
Green Sea Turtle <i>Chelonia mydas</i> Population: North Atlantic DPS There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6199	Threatened
Hawksbill Sea Turtle <i>Eretmochelys imbricata</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3656	Endangered
Kemp's Ridley Sea Turtle <i>Lepidochelys kempii</i> There is proposed critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/5523	Endangered
Leatherback Sea Turtle <i>Dermochelys coriacea</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1493	Endangered
Loggerhead Sea Turtle <i>Caretta caretta</i> Population: Northwest Atlantic Ocean DPS There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1110	Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

FLOWERING PLANTS

NAME	STATUS
Sensitive Joint-vetch <i>Aeschynomene virginica</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/855	Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

-
1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern \(BCC\)](#) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
American Kestrel <i>Falco sparverius paulus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9587	Breeds Apr 1 to Aug 31
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Sep 1 to Jul 31

NAME	BREEDING SEASON
Brown-headed Nuthatch <i>Sitta pusilla</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Mar 1 to Jul 15
Gull-billed Tern <i>Gelochelidon nilotica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9501	Breeds May 1 to Jul 31
Lesser Yellowlegs <i>Tringa flavipes</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Prairie Warbler <i>Dendroica discolor</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Jul 31
Prothonotary Warbler <i>Protonotaria citrea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 1 to Jul 31
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Ruddy Turnstone <i>Arenaria interpres morinella</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
Short-billed Dowitcher <i>Limnodromus griseus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9480	Breeds elsewhere
Willet <i>Tringa semipalmata</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 20 to Aug 5

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

■ probability of presence ■ breeding season | survey effort — no data

SPECIES JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC



Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

MIGRATORY BIRDS FAQ

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of

certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

IPAC USER CONTACT INFORMATION

Agency: State of North Carolina

Name: Andrea Gievers

Address: P.O. Box 110465

City: Durham

State: NC

Zip: 27709

Email: andrea@arcolaenv.com

Phone: 8456821700



Roy Cooper, Governor

D. Reid Wilson, Secretary

Misty Buchanan
Deputy Director, Natural Heritage Program

NCNHDE-22290

June 13, 2023

Andrea Gievers
NCORR
P.O. Box 110465
Durham, NC 27709
RE: Davis Ventures Community Center

Dear Andrea Gievers:

The North Carolina Natural Heritage Program (NCNHP) appreciates the opportunity to provide information about natural heritage resources for the project referenced above.

Based on the project area mapped with your request, a query of the NCNHP database indicates that there are no records for rare species, important natural communities, natural areas, and/or conservation/managed areas within the proposed project boundary. Please note that although there may be no documentation of natural heritage elements within the project boundary, it does not imply or confirm their absence; the area may not have been surveyed. The results of this query should not be substituted for field surveys where suitable habitat exists. In the event that rare species are found within the project area, please contact the NCNHP so that we may update our records.

The attached 'Potential Occurrences' table summarizes rare species and natural communities that have been documented within a one-mile radius of the property boundary. The proximity of these records suggests that these natural heritage elements may potentially be present in the project area if suitable habitat exists. Tables of natural areas and conservation/managed areas within a one-mile radius of the project area, if any, are also included in this report.

If a Federally-listed species is found within the project area or is indicated within a one-mile radius of the project area, the NCNHP recommends contacting the US Fish and Wildlife Service (USFWS) for guidance. Contact information for USFWS offices in North Carolina is found here: <https://www.fws.gov/offices/Directories/ListOffices.cfm?statecode=37>.

Please note that natural heritage element data are maintained for the purposes of conservation planning, project review, and scientific research, and are not intended for use as the primary criteria for regulatory decisions. Information provided by the NCNHP database may not be published without prior written notification to the NCNHP, and the NCNHP must be credited as an information source in these publications. Maps of NCNHP data may not be redistributed without permission.

The NC Natural Heritage Program may follow this letter with additional correspondence if a Dedicated Nature Preserve, Registered Heritage Area, Land and Water Fund easement, or Federally-listed species are documented near the project area.

If you have questions regarding the information provided in this letter or need additional assistance, please contact Rodney A. Butler at rodney.butler@ncdcr.gov or 919-707-8603.

Sincerely,
NC Natural Heritage Program

Natural Heritage Element Occurrences, Natural Areas, and Managed Areas Within a One-mile Radius of the Project Area
 Davis Ventures Community Center
 June 13, 2023
 NCNHDE-22290

Element Occurrences Documented Within a One-mile Radius of the Project Area

Taxonomic Group	EO ID	Scientific Name	Common Name	Last Observation Date	Element Occurrence Rank	Accuracy	Federal Status	State Status	Global Rank	State Rank
Mammal	23088	Canis rufus	Red Wolf	2019	Er	5-Very Low	Experimental, nonessential	Threatened	G1	S1
Vascular Plant	4337	Aeschynomene virginica	Sensitive Jointvetch	1991-07-27	X	2-High	Threatened	Threatened	G2	S1

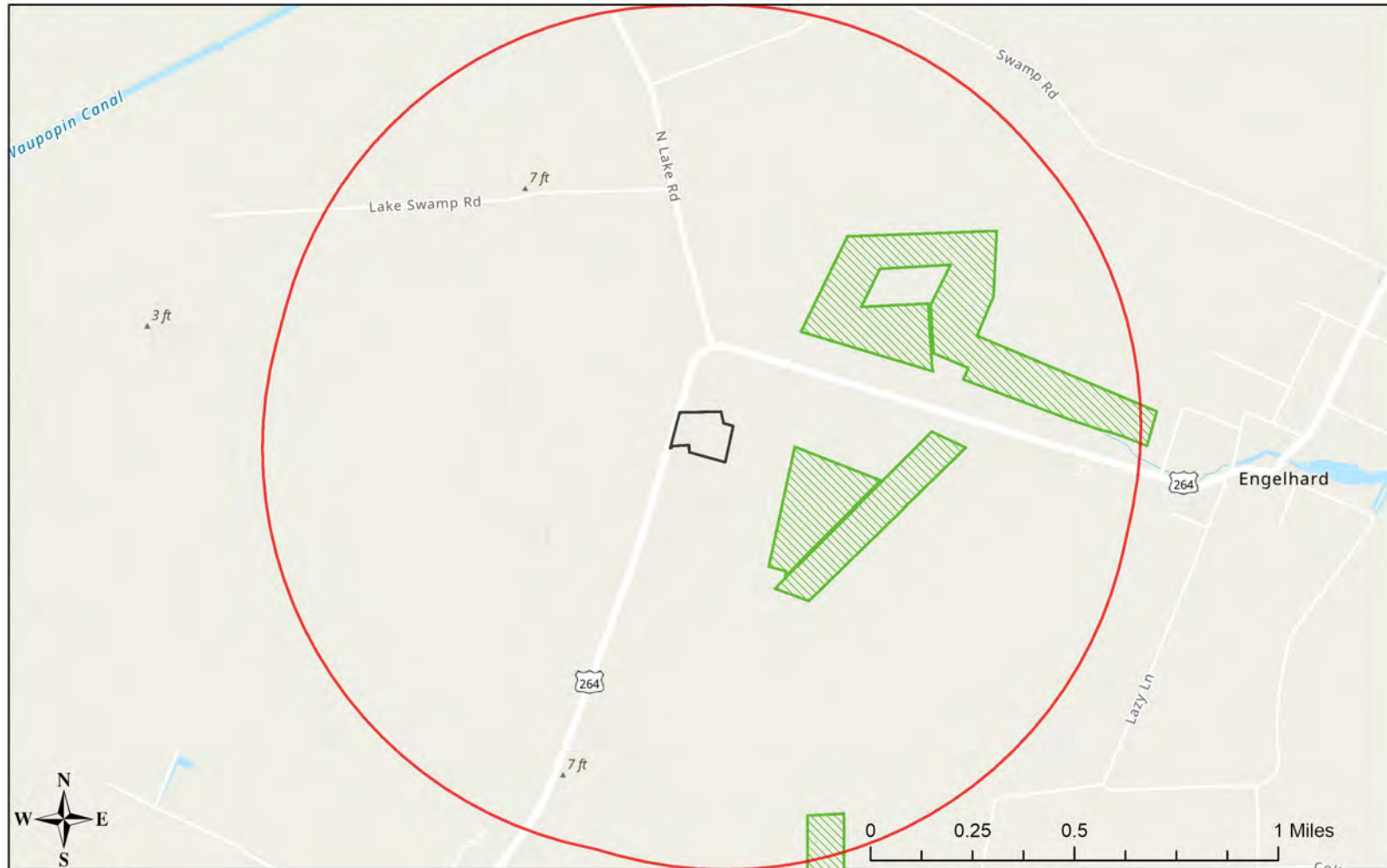
No Natural Areas are Documented Within a One-mile Radius of the Project Area

Managed Areas Documented Within a One-mile Radius of the Project Area




Managed Area Name	Owner	Owner Type
Conservation Reserve Enhancement Program Easement	NC Department of Agriculture, Division of Soil and Water Conservation	State
Conservation Reserve Enhancement Program Easement	NC Department of Agriculture, Division of Soil and Water Conservation	State
Conservation Reserve Enhancement Program Easement	NC Department of Agriculture, Division of Soil and Water Conservation	State
Conservation Reserve Enhancement Program Easement	NC Department of Agriculture, Division of Soil and Water Conservation	State

Definitions and an explanation of status designations and codes can be found at <https://ncnhde.natureserve.org/help>. Data query generated on June 13, 2023; source: NCNHP, Spring (April) 2023. Please resubmit your information request if more than one year elapses before project initiation as new information is continually added to the NCNHP database.

NCNHDE-22290: Davis Ventures Community Center



June 13, 2023

-  Managed Area (MAREA)
-  Buffered Project Boundary
-  Project Boundary

Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatasysteisen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community
Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Species Conclusions Table

Project Name: Davis Ventures Community Center

Date: 6/13/23

Species / Resource Name	Conclusion	ESA Section 7 / Eagle Act Determination	Notes / Documentation
Northern Long-eared Bat	No suitable habitat present	No Effect	No tree clearing, building roof replacement and rehab project
Red Wolf	No suitable habitat present	No Effect	Developed site with limited vegetative cover
Tricolored Bat	No suitable habitat present	No Effect	No tree clearing, building roof replacement and rehab project
Eastern Black Rail		No Effect	Developed site with limited vegetative cover
Piping Plover	No suitable habitat present	No Effect	No sand spits, small islands, tidal flats, shoals and sandbars with inlets
Red Knot		No Effect	No muddy or sandy coastal areas, specifically, bays and estuaries, tidal flats, and unimproved tidal inlets
Red-cockaded Woodpecker	No suitable habitat present	No Effect	No mature pine forest on site
American Alligator	No suitable habitat present	No Effect	No freshwater, slow-moving rivers or swamps, marshes and lakes.
Green Sea Turtle	No suitable habitat present	No Effect	No marine habitat

Acknowledgement: I agree that the above information about my proposed project is true. I used all of the provided resources to make an informed decision about impacts in the immediate and surrounding areas.



Signature /Title

6/13/23

Date

Species Conclusions TableProject Name: Davis Ventures Community CenterDate: 6/13/23

Species / Resource Name	Conclusion	ESA Section 7 / Eagle Act Determination	Notes / Documentation
Hawksbill Sea Turtle	No suitable habitat present	No Effect	No marine habitat
Kemp's Ridley Sea	No suitable habitat present	No Effect	No marine habitat
Leatherback Sea Turtle	No suitable habitat present	No Effect	No marine habitat
Loggerhead Sea Turtle	No suitable habitat present	No Effect	No marine habitat
Monarch Butterfly	No suitable habitat present	No Effect	Regularly mowed public facilities site
Sensitive Joint-vetch	No suitable habitat present	No Effect	Regularly mowed public facilities site
Bald Eagle	Unlikely to disturb nesting bald eagles	No Eagle Act Permit Required	No bald eagle nests observed, no tree clearing, no large trees at Subject Property

Acknowledgement: I agree that the above information about my proposed project is true. I used all of the provided resources to make an informed decision about impacts in the immediate and surrounding areas.



Signature /Title

6/13/23

Date



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Raleigh Field Office
P.O. Box 33726
Raleigh, NC 27636-3726

Date: _____

Self-Certification Letter

Project Name _____

Dear Applicant:

Thank you for using the U.S. Fish and Wildlife Service (Service) Raleigh Ecological Services online project review process. By printing this letter in conjunction with your project review package, you are certifying that you have completed the online project review process for the project named above in accordance with all instructions provided, using the best available information to reach your conclusions. This letter, and the enclosed project review package, completes the review of your project in accordance with the Endangered Species Act of 1973 (16 U.S.C. 1531-1544, 87 Stat. 884), as amended (ESA), and the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668c, 54 Stat. 250), as amended (Eagle Act). This letter also provides information for your project review under the National Environmental Policy Act of 1969 (P.L. 91-190, 42 U.S.C. 4321-4347, 83 Stat. 852), as amended. A copy of this letter and the project review package must be submitted to this office for this certification to be valid. This letter and the project review package will be maintained in our records.

The species conclusions table in the enclosed project review package summarizes your ESA and Eagle Act conclusions. Based on your analysis, mark all the determinations that apply:

“no effect” determinations for proposed/listed species and/or proposed/designated critical habitat; and/or

“may affect, not likely to adversely affect” determinations for proposed/listed species and/or proposed/designated critical habitat; and/or

“may affect, likely to adversely affect” determination for the Northern long-eared bat (*Myotis septentrionalis*) and relying on the findings of the January 5, 2016, Programmatic Biological Opinion for the Final 4(d) Rule on the Northern long-eared bat;

“no Eagle Act permit required” determinations for eagles.

We certify that use of the online project review process in strict accordance with the instructions provided as documented in the enclosed project review package results in reaching the appropriate determinations. Therefore, we concur with the “no effect” or “not likely to adversely affect” determinations for proposed and listed species and proposed and designated critical habitat; the “may affect” determination for Northern long-eared bat; and/or the “no Eagle Act permit required” determinations for eagles. Additional coordination with this office is not needed. Candidate species are not legally protected pursuant to the ESA. However, the Service encourages consideration of these species by avoiding adverse impacts to them. Please contact this office for additional coordination if your project action area contains candidate species. Should project plans change or if additional information on the distribution of proposed or listed species, proposed or designated critical habitat, or bald eagles becomes available, this determination may be reconsidered. This certification letter is valid for 1 year. Information about the online project review process including instructions, species information, and other information regarding project reviews within North Carolina is available at our website <http://www.fws.gov>. If you have any questions, you can write to us at Raleigh@fws.gov or please contact Leigh Mann of this office at 919-856-4520, ext. 10.

Sincerely,

/s/Pete Benjamin

Pete Benjamin
Field Supervisor
Raleigh Ecological Services

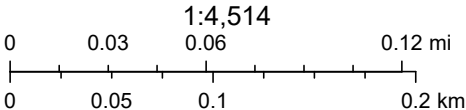
Enclosures - project review package

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center



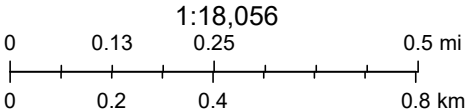
Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph,

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center



Esri Community Maps Contributors, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA,

Davis Ventures Community Center Project – Photo from NRAC Meeting 2/9/23



ATTACHMENT 9

EO 11988 Floodplain Management Determination

Davis Ventures Community Center Project
EO 11988 Floodplain Management Determination
Infrastructure Recovery Program

September 7, 2023

Introduction & Overview

The purpose of Executive Order (EO) 11988 Floodplain Management is “to avoid to the extent possible the long- and short-term adverse impacts associated with occupancy and modification of floodplains and to avoid direct or indirect support of floodplain development wherever there is a practicable alternative.” This determination contains the analysis prescribed by 24 CFR Part 55.

The North Carolina Office of Recovery and Resiliency (NCORR) has received an application from Hyde County, North Carolina to use U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant – Mitigation (CDBG-MIT) funding under 24 CFR 58 from the Infrastructure Recovery Program to implement the Davis Ventures Community Center Project (proposed action) located at 33478 U.S. Highway 264, Engelhard, Hyde County, NC 27824 (Subject Property) (**Appendix 1**). The analysis that follows focuses on floodplain impacts, as there are incidental floodplain areas located on the Subject Property. Based on the proposed activities, type of land use, necessity, distance, and other case characteristics described herein, it is concluded that there is a reasonable basis to proceed with funding for this proposed action in a floodplain. The CDBG-MIT funding is administered through the NCORR Infrastructure Recovery Program which is developing sustainable and resilient communities. Thus, alternatives preventing or impeding the development of sustainable and resilient communities are not considered reasonable alternatives.

Description of Proposed Action & Land Use

Hyde County is requesting Community Development Block Grant – Mitigation (CDBG-MIT) funding for the Davis Ventures Community Center to make improvements including replace the roof; remediate mold; survey and abate lead-based paint and asbestos; repair or demolish and replace rotten and damaged materials; repair or replace existing windows (*disregard replacement specifications in Appendix 1*); remove and dispose of nonfunctional mechanical systems; and remove and store kitchen equipment. All proposed activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions. The gymnasium/auditorium flat-top roof was replaced circa 1976. The 1953 former Davis School and contributing buildings (1964 gymnasium/auditorium and classroom building and 1971 cafeteria/ kitchen) were listed on the National Register of Historic Places for local significance on April 17, 2023. The proposed action will be completed in accordance with the Secretary of the Interior’s Standards for Rehabilitation (see *Davis Ventures Community Center Project CEST ERR Attachment 10*). The subject building was originally constructed as a school for African-American students circa 1953 with additions constructed in 1964 (gymnasium) and 1971 (cafeteria/ kitchen). Due to the age of the structure, a qualified lead-based paint and asbestos contractor is required for survey and abatement in compliance with all applicable federal, State and local laws, regulations and procedures. The existing roof structure will be evaluated for structural load capability and determination of wind loads in accordance with Minimum Design Loads and Associated Criteria for Buildings and Other Structures (ASCE/SEI 7-16), as required by the current edition of the State Building Code, to accommodate and provide specifications for the most appropriate design for structural integrity and long-term stability. No ground disturbance including digging, earthwork, boring, or tunneling are anticipated to be necessary for the proposed action. No land or easement acquisition is proposed for this project.

The existing flat membrane roof will remain, and the proposed action will involve the following activities, subject to change based on current conditions: mold remediation; lead-based paint and asbestos survey and abatement; removal, demolition and replacement of rotten and damaged materials (collapsed gabled roof system, flat wood decking, wood sill plates, original wood decking under trusses, ceiling system, floor finishes, and wood under roof sheathing); removal and demolition of soffit panels and fascia cladding around perimeter of building, gymnasium louvers, asphalt shingles, casework, and bathroom partitions and accessories; repair or replacement of existing windows in accordance with the Secretary of the Interior's Standards for Rehabilitation; installation of new roof framing to match existing roof profile, hurricane ties at all load-bearing wall locations, new roof sheathing to match existing adjacent, two offset layers of roofing felts and asphalt shingle roofing system, roof felt pattern, fastening pattern of shingles, pre-finished aluminum drip edge, fascia cladding, vented soffit panels around perimeter of building with gable roof, pre-finished aluminum continuous flashing with continuous termination bar, new hurricane-rated louvers and sill pans with end dams, and a continuous ridge vent; removal and disposal of nonfunctional mechanical systems (HVAC); and removal for storage of the commercial kitchen equipment and hood system (**Appendix 1**).

The State of North Carolina was adversely impacted by the landfall of Hurricane Matthew (October 8, 2016) and Hurricane Florence (September 14, 2018). During Hurricane Matthew, the Davis Ventures Community Center's roof failed under the heavy rains and high winds and the electrical boxes were damaged by water leaking into the building. Volunteers pumped the rainwater from the building. The Hyde County Building Inspector visited the site and issued a letter stating that the roof was damaged beyond repair. The Building Inspector's letter also noted that water was leaking onto the electrical boxes, which posed a serious fire hazard and life safety hazard. According to the January 17, 2023 Hazardous Materials Assessment Report, the roof was observed to be in poor condition throughout (*Davis Ventures Community Center Project CEST ERR Attachment 7*). There are numerous tarps on sections of the roof. The roof is caved in over the cafeteria dining room and adjacent gym corridor. There are various water damaged ceiling tiles located throughout the building.

It is anticipated that the proposed action will benefit approximately 330 low- and moderate-income households in the Engelhard area. The Davis Ventures Corporation, a non-profit community development organization, under a lease arrangement with Hyde County, operates community services at the Subject Property. These services include, in the subject building, a community-use incubator kitchen and banquet facility along with the Davis Youth Recreation and Community Center. With the necessary repairs, the Davis Ventures Community Center would be able to continue to safely provide youth recreational activities; youth awareness programs; general education development (GED) classes; after-school programming; services to families dealing with behavioral, emotional and mental challenges; meeting space for response to needs after disasters; fitness center for all ages, including seniors; and a location for non-profit sponsored events.

Applicable Regulatory Procedure Per EO 11988

The proposed action corresponds with a non-critical action not excluded under 24 CFR §55.12. Funding is permissible for use in the floodplain if the proposed action is processed under §55.20 and the findings of the determination are affirmative to suggest that the project may proceed.

Under *24 CFR 55.12 Inapplicability of 24 CFR part 55 to certain categories of proposed actions*, section (a)(4) includes "HUD's or the recipient's actions under any HUD program involving the **repair, rehabilitation**, modernization, weatherization, or **improvement of existing nonresidential buildings** and structures, in communities that are in the Regular Program of the NFIP and are in good standing, provided that the action does *not* meet the thresholds for "substantial improvement" under § 55.2(b)(10) and that the

footprint of the structure and paved areas is *not* significantly increased” (emphasis added). Hyde County (370133L) is a participating community in good standing in the regular program of the NFIP (**Appendix 1**). Under 24 CFR 55.2(b)(10)(ii)(B), substantial improvement may not be defined to include “[a]ny alteration of a structure listed on the National Register of Historical Places.” The 1953 former Davis School and contributing buildings (1964 gymnasium/auditorium and classroom building and 1971 cafeteria/kitchen) were listed on the National Register of Historic Places for local significance on April 17, 2023. This roof replacement and rehabilitation project at a historic, nonresidential building does not alter the structure’s footprint or paved areas. Thus, under 24 CFR 55.12(a)(4), the proposed project can follow the 5-step process and the decision-making steps in § 55.20(b), (c), and (g) (steps 2, 3, and 7) do not apply. As such, the modified five-step floodplain determination process in §55.20 is required, and the following analysis examines each step in the EO 11988 Floodplain Management Determination process.

Step 1. Determine Whether the Proposed Action is Located in the 100-year Floodplain (500-year for Critical Actions).

According to the FEMA Flood Insurance Rate Map (FIRM) panel 3720868400K, effective June 19, 2020, the Davis Ventures Community Center building is located mostly in Zone X and outside of Special Flood Hazard Area (SFHA), with only the southwestern corner of the connected 1953 main building located in 500-year floodplain (Zone X shaded) (**Appendix 1**). In addition, the southwestern corner of the separate 1964 classroom building, the northern half of the separate easternmost building (site of former 1925 Engelhard School) and portions of the site are located in 500-year floodplain (Zone X shaded) (**Appendix 1**). This proposed action involves a historic, nonresidential community center and is a non-critical action. There are incidental portions of the Subject Property along the eastern and southern boundaries located in 100-year floodplain (Zone AE, SFHA). The Subject Property is not located within a FEMA-designated regulatory floodway. There are no Preliminary FIRMs available at the FEMA Flood Map Service Center for the Subject Property. Hyde County (370133L) is a participating community in good standing in the regular program of the NFIP. Since the building is not located in 100-year floodplain, flood insurance is not required for the proposed action. While flood insurance is not mandatory for this project, HUD strongly recommends that all insurable structures maintain flood insurance under the NFIP. The Subject Property contains approximately 2.56 acres in 100-year floodplain and 3.79 acres in 500-year floodplain. The subject building is located approximately 0.05 mile (249.95 feet) from the closest 100-year floodplain. As such, the modified five-step floodplain determination process in §55.20 is required, and the following analysis examines each step in an EO 11988 Floodplain Management Determination process.

The proposed action will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. All necessary permits will be identified and obtained prior to commencing work and appended to the *Davis Ventures Community Center Project CEST ERR* when received from the permitting agencies.

Step 2. Initiate Public Notice for Early Review of Proposal- Inapplicable.

Step 3. Identify and Evaluate Practicable Alternatives to Locating the Proposed Action in a 100-year Floodplain- Inapplicable.

Step 4. Identify and Evaluate Potential Direct and Indirect Impacts Associated with the Occupancy or Modification of 100-year Floodplain and the Potential Direct and Indirect Support of Floodplain Development that Could Result from Proposed Action.

The focus of floodplain evaluation should be on adverse impacts to lives and property, and on natural and beneficial floodplain values. Natural and beneficial values include consideration of potential for adverse impacts on water resources such as natural moderation of floods, water quality maintenance, and groundwater recharge.

According to the FEMA Report - A Unified National Program for Floodplain Management, the two definitions commonly used in evaluating actions in floodplain are “structural” and “non-structural” activities. Per the report, structural activity is usually intended to mean adjustments that modify the behavior of floodwaters through the use of measures such as public works dams, levees, and channel work. Non-structural is usually intended to include all other adjustments (e.g., regulations, insurance, etc.) in the way society acts when occupying or modifying a floodplain. These definitions are used in describing impacts that may arise in association with potential advancement of this case.

Natural Moderation of Floods, Water Quality Maintenance, and Groundwater Recharge

Natural floodplains provide flood risk reduction benefits by slowing runoff and storing flood water and important functions for water quality maintenance and groundwater recharge. According to the FEMA FIRM panel 3720868400K, effective June 19, 2020, the Davis Ventures Community Center building is located mostly in Zone X and outside of SFHA, with only the southwestern corner of the connected 1953 main building located in 500-year floodplain (Zone X shaded) (**Appendix 1**). In addition, the southwestern corner of the separate 1964 classroom building, the northern half of the separate easternmost building (site of former 1925 Engelhard School) and portions of the site are located in 500-year floodplain (Zone X shaded) (**Appendix 1**). There are incidental portions of the Subject Property along the eastern and southern boundaries located in 100-year floodplain (Zone AE, SFHA) (**Appendix 1**). The Subject Property contains approximately 2.56 acres in 100-year floodplain and 3.79 acres in 500-year floodplain (**Appendix 1**). The subject building is located approximately 0.05 mile (249.95 feet) from the closest 100-year floodplain (**Appendix 1**). This roof replacement and rehabilitation project does not involve land development, new construction, tree/vegetation clearing or ground disturbance which would modify the 100-year floodplain. Due to the nature of the proposed project activities and distance from the 100-year floodplain, no direct or indirect impacts are anticipated on the floodplain. Construction staging will most likely occur in the parking area and around the subject building both of which are located outside of 100-year floodplain. The project designs have been completed in accordance with agency input to minimize impacts to the environment and community. The proposed project activities will be completed in accordance with all applicable federal, State and local laws, regulations, and permit requirements and conditions. Mitigation measures such as best management practices (BMPs) for erosion and sedimentation control and native plants for site restoration are not practicable since there is no proposed ground disturbance.

Living Resources such as Flora and Fauna

For this proposed action, the USFWS Raleigh Ecological Services’ online 10-step project review process was completed. The proposed action was determined to have “no effect” on proposed, threatened, endangered, or candidate species and proposed or designated critical habitat under USFWS jurisdiction, and a “no Eagle Act permit required” determination for the Bald Eagle. A Self-certification Letter and 10-step Project Review Package were prepared and submitted to the USFWS Raleigh Ecological Services Field

Office (FO) on June 13, 2023 (See **Attachment 8** in the *Davis Ventures Community Center Project CEST ERR* for full details).

According to the U.S. Fish and Wildlife Service's (USFWS) Information for Planning and Consultation (IPaC) Official Species List, there are a total of sixteen threatened, endangered, or candidate species identified for the proposed action area. These species include four mammals: Northern Long-eared Bat (*Myotis septentrionalis*), both the Endangered and Experimental Population, Non-essential Red Wolf (*Canis rufus*), and Tricolored Bat (*Perimyotis subflavus*); four bird species: Eastern Black Rail (*Laterallus jamaicensis* ssp. *Jamaicensis*), Piping Plover (*Charadrius melodus*), Red Knot (*Calidris canutus rufa*), and Red-cockaded Woodpecker (*Picoides borealis*); six reptile species: American Alligator (*Alligator mississippiensis*), Green Sea Turtle (*Chelonia mydas*), Hawksbill Sea Turtle (*Eretmochelys imbricata*), Kemp's Ridley Sea Turtle (*Lepidochelys kempii*), Leatherback Sea Turtle (*Dermochelys coriacea*), and Loggerhead Sea Turtle (*Caretta caretta*); one insect species: Monarch Butterfly (*Danaus plexippus*); and one flowering plant species: Sensitive Joint-vetch (*Aeschynomene virginica*). However, the report indicates that there are no critical habitats within the proposed action site. According to the IPaC Official Species List, there are eleven FWS migratory birds of concern, including the Bald Eagle, within the vicinity of the proposed action area.

In addition, the NC Natural Heritage Program (NC NHP) Database Explorer Report documented element occurrences including the federally listed Experimental Population, Non-essential Red Wolf (*Canis rufus*) and Sensitive Joint-vetch (*Aeschynomene virginica*) within a one-mile radius of the Subject Property. According to the NC NHP database, there are no records for rare species, important natural communities, natural areas, and/ or conservation/ managed areas within the proposed action boundary. In addition, there are no natural areas documented within a one-mile radius of the Subject Property. There are four managed areas, all Conservation Reserve Enhancement Program Easements from the NC Department of Agriculture's Division of Soil and Water Conservation, within a one-mile radius of the Subject Property.

None of the above-listed species were observed during the site visit. In addition, the Subject Property does not contain suitable habitat for these species since the land is regularly mowed and maintained and contains existing public buildings and parking areas. This roof replacement and rehabilitation project does not involve tree/ vegetation clearing or ground disturbance. Therefore, a **No Effect** determination has been made for all of the above-listed species and a "no Eagle Act permit required" determination for eagles. A Self-certification Letter and 10-step Project Review Package were prepared and submitted to the USFWS Raleigh Ecological Services Field Office (FO) on June 13, 2023. According to the Self-certification Letter, Mr. Pete Benjamin, Field Supervisor of the U.S. Fish and Wildlife Service Raleigh Field Office, indicated the following: "Therefore, we concur with the 'no effect' or 'not likely to adversely affect' determinations for proposed and listed species and proposed and designated critical habitat; the 'may affect' determination for Northern long-eared bat; and/or the 'no Eagle Act permit required' determinations for eagles. Additional coordination with this office is not needed." USFWS has not contacted NCORR for additional information.

The project designs have been completed in accordance with agency input to minimize impacts to the environment and community. The proposed activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. All necessary permits will be identified and obtained prior to commencing work and appended to the *Davis Ventures Community Center Project CEST ERR* when received from the permitting agencies. The proposed action has been determined to have "no effect" on proposed, threatened, endangered, or candidate species and proposed or designated critical habitat. Thus, the proposed action will have no or minimal impacts to living resources, such as flora and fauna, during construction and the continued operation as a community center with parking areas.

Impacts to Property and Lives

The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). During Hurricane Matthew, the Davis Ventures Community Center's roof failed under the heavy rains and high winds and the electrical boxes were damaged by water leaking into the building. Volunteers pumped the rainwater from the building. The Hyde County Building Inspector visited the site and issued a letter stating that the roof was damaged beyond repair. He also noted in the letter that water was leaking onto the electrical boxes, which posed a serious fire hazard and life safety hazard. According to the January 17, 2023 Hazardous Materials Assessment Report, the roof was observed to be in poor condition throughout. There are numerous tarps on sections of the roof. The roof is caved in over the cafeteria dining room and adjacent gym corridor. There are various water damaged ceiling tiles located throughout the building. This project will provide critical repairs to preserve and protect this historic building from further deterioration and future storm events and allow for the community to regain use of this facility.

It is anticipated that the proposed action will benefit approximately 330 low- and moderate-income households in the Engelhard area. The Davis Ventures Corporation, a non-profit community development organization, under a lease arrangement with Hyde County, operates community services on the Subject Property. Community services provided in the subject building include a community-use incubator kitchen and banquet facility along with the Davis Youth Recreation and Community Center. With the necessary repairs, the Davis Ventures Community Center would be able to continue to safely provide youth recreational activities; youth awareness programs; general education development (GED) classes; after-school programming; services to families dealing with behavioral, emotional and mental challenges; meeting space for response to needs after disasters; fitness center for all ages, including seniors; and a location for non-profit sponsored events.

Therefore, the proposed action is not anticipated to have adverse impacts to property and lives, but rather aims to rehabilitate a storm-damaged, historic building which serves an important purpose for low- and moderate-income families and safeguard it from further deterioration and future storm events.

Cultural Resources such as Archaeological, Historic and Recreational Aspects

A review of the Subject Property in the National Register of Historic Places, North Carolina State Historic Preservation Office's (SHPO) HPOWEB, and during a site visit identified publicly recorded historic properties which are locally designated or listed in or eligible for inclusion in the State or National Register of Historic Places located on or adjacent to the Subject Property. The Davis Ventures Community Center, formerly known as the Davis School, was placed on the North Carolina Study List in 2021, noted as National Register Eligible, and Approved for National Register listing by the National Register Advisory Committee (NRAC) on February 9, 2023, and listed on April 17, 2023. The Davis School was originally constructed as a school for African-American students circa 1953 with additions constructed in 1964 (gymnasium) and 1971 (cafeteria/ kitchen). The Engelhard Ridge School, a 1923 frame 3-room Rosenwald School, used to be on the Subject Property but was demolished before 1984. (See **Attachment 10** in the *Davis Ventures Community Center Project CEST ERR* for full details).

Additionally, the Anson Gibbs House II (surveyed only - SO) is located less than 0.25-mile to the north, Northan-Marshall House (SO) and (former) Northan School (SO) are located about 0.50-mile to the south, and Carroll Mann Farm (SO) and Spencer-Davis House (SO) are located about 0.50-mile to the south of the Subject Property. Approximately 0.75-mile from the Subject Property are the Baum-Fulford House (SO) to the north, and the NR-listed Wynne's Folly, circa 1840s Greek Revival 2-story frame house to the south.

On June 13, 2023, NCORR submitted the proposed action to the NC SHPO via the State Environmental Clearinghouse for review and concurrence of a preliminary finding of “No Adverse Effect” pursuant to 36 CFR 800.5. On July 19, 2023, Ms. Renee Gledhill-Earley, NC SHPO Environmental Review Coordinator, responded “[m]uch of the proposed undertaking, including roof work, soffit and fascia repairs, hazardous material remediation, and interior work appears to meet the Secretary of the Interior’s Standards for Rehabilitation.” The SHPO noted that there was confusion in regard to the submittal letter from June 13, 2023, which notes “removal and replacement of existing windows with new thermally-broken aluminum storefront and low-e coated insulated glazing panels.” The NC SHPO requested that NCORR “[p]lease provide clarification as to whether the existing historic windows are to be retained or be replaced.” NCORR responded on August 18, 2023 with additional information and “[i]f there is sufficient money in the budget available to repair or replace any windows, then the repair(s) and replacement(s) will be in accordance with all of the Secretary of the Interior’s Standards for Rehabilitation.” On August 24, 2023, Ms. Renee Gledhill-Earley, NC SHPO Environmental Review Coordinator, responded “[o]ur office finds that the proposed repairs and renovations, including retention of the historic and character defining steel-frame windows, meet the Secretary of the Interior’s Standards for Treatment of Historic Properties (Rehabilitation) and will have **No Adverse Effect** on the National Register-listed Davis School (HY0907). We applaud this effort to preserve the historic Davis School and understand the critical need for repairs as soon as possible to protect the buildings from further deterioration and future storm events.” (See **Attachment 10** in the *Davis Ventures Community Center Project CEST ERR* for full details).

According to the HUD Tribal Directory Assessment Tool (TDAT), the Catawba Indian Nation is the only federally-recognized tribe with interests in Hyde County, North Carolina. According to the When To Consult With Tribes Under Section 106 Checklist, there is no need to consult with the Catawba Indian Nation for this non-ground disturbing, rehabilitation project. Additionally, the Catawba Indian Nation has stated previously to NCORR on May 5, 2023 that “[w]e are only concerned with ground disturbing activities.”

The subject building provides the community with the Davis Youth Recreation and Community Center. There are no additional parks and recreational facilities identified within close proximity to the Subject Property. The proposed action will not introduce new development that would generate demand for parks, open spaces or recreational areas or impede their access. Instead, the proposed action will provide critical repairs to preserve and protect this historic building from further deterioration and future storm events and allow for the community to regain use of this facility. Thus, the proposed action will have a beneficial effect on historic and recreational resources for the community .

Agricultural, Aquacultural, and Forestry Resources

This project does *not* involve new construction that will generate site disturbance, acquisition of undeveloped land, or conversion of land from one use to another. The proposed action is a roof replacement and rehabilitation project at a historic community center with no proposed ground disturbance. Since the proposed action involves work on an existing building, the proposed activities will not convert farmland to nonagricultural use. Furthermore, the subject building was constructed before August 4, 1984 and would also be exempt under 523.11(C) Activities Not Subject to Provisions of FPPA (3) Projects planned or constructed prior to August 4, 1984 (FPPA, Part 658). The 1953 former Davis School and contributing buildings (1964 gymnasium/ auditorium and classroom building and 1971 cafeteria/ kitchen) were listed on the National Register of Historic Places for local significance on April 17, 2023. All proposed activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions. The Subject Property is regularly mowed and maintained and contains existing public buildings and parking areas. This

roof replacement and rehabilitation project does not involve tree/ vegetation clearing or ground disturbance. Thus, the proposed action is not expected to have an impact on agricultural or forestry resources. There are no wetlands, open water or water resources located on the Subject Property. There are riverines, most likely manmade irrigation ditches for the farmland located to the east of the Subject Property. The closest wetlands are across U.S. Highway 264 to the west. Therefore, the proposed action is not expected to have an impact on aquacultural resources. Overall, the Subject Property consists of existing public buildings and parking areas. and is not used for agriculture, aquaculture or forestry and, thus, the proposed action is not expected to have an impact on agricultural, aquacultural or forestry resources. The proposed action will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. All necessary permits will be identified and obtained prior to commencing work and appended to the *Davis Ventures Community Center Project CEST ERR* when received from the permitting agencies.

Step 5. Where Practicable, Design or Modify the Proposed Action to Minimize the Potential Adverse Impacts to and from the 100-Year Floodplain and to Restore and Preserve its Natural and Beneficial Functions and Values.

All proposed activities will be to an existing building with no ground disturbance. The proposed action is designed to replace the roof; remediate mold; survey and abate lead-based paint and asbestos; repair or demolish and replace rotten and damaged materials; repair or replace existing windows (disregard replacement specifications in Attachment 1); remove and dispose of nonfunctional mechanical systems; and remove and store kitchen equipment. All proposed activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions. The project designs have been completed in accordance with agency input to minimize impacts to the environment and community. These buildings are not located in 100-year floodplain. This roof replacement and rehabilitation project does not involve land development, new construction, tree/ vegetation clearing or ground disturbance which would modify the 100-year floodplain. Due to the nature of the proposed project activities and distance from the 100-year floodplain, there are no direct or indirect impacts anticipated from the proposed action to the 100-year floodplain and its natural and beneficial functions and values during construction and continued operation. The proposed action will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. All necessary permits will be identified and obtained prior to commencing work and appended to the *Davis Ventures Community Center Project CEST ERR* when received from the permitting agencies.

Step 6. Reevaluate the Alternatives and Proposed Action.

This proposed action involves roof replacement and rehabilitation of a storm-damaged, historic building, and project designs have been completed in accordance with agency input to minimize any potential impacts to the historic features, incidental floodplain, environment and community. The proposed action must be completed to the existing building in accordance with all of the Secretary of the Interior's Standards for Rehabilitation. The proposed action will provide critical repairs to preserve and protect this historic building from further deterioration and future storm events and allow for the community to regain use of this facility.

The main alternative is the "No Action" Alternative which is not considered feasible since it would not preserve or protect the 1953 former Davis School's contributing buildings (*1964 gymnasium/ auditorium and 1971 cafeteria/ kitchen*) which were listed on the National Register of Historic Places for local significance on April 17, 2023. The proposed action is critically necessary to safeguard this historic building from further deterioration or complete destruction during future storm events. In addition, the proposed action will enable Davis Ventures Corporation and Hyde County to continue to provide vital community

services to low- and moderate-income families at this facility. The “No Action” Alternative would provide no protection to the building itself from future storm events, as the deficient existing roof could potentially collapse and/or the interior could be further damaged by flooding. The “No Action” Alternative would not address the purpose and need of the proposed action, leave this building in disrepair and unprotected from future storms, and the community would lose a piece of its valued history and its important community center. Thus, the “No Action” Alternative is not feasible in relation to the desired objective of protecting this historic building and making it resilient to future storm events. The proposed action is still practicable in light of potential impacts on the floodplain.

Implementation of the proposed action will abide by all applicable federal, State and local laws, regulations, and permit requirements and conditions. Permits required for this proposed action shall be obtained before commencing work and appended to the *Davis Ventures Community Center Project CEST ERR* when received from the permitting agencies. The impacts of these alternatives will be re-evaluated in response to any public comments received.

Step 7. Issue Findings and Public Explanation - Inapplicable.

Step 8. Implementation and Continuing Responsibility of the Responsible Entity and Recipient.

NCORR is the responsible entity and will provide educational materials, when available. It is acknowledged there is a continuing responsibility by the responsible entity to ensure, to the extent feasible and necessary, compliance with the Steps herein.

APPENDIX 1

DDAVIS VENTURES COMMUNITY CENTER PROJECT

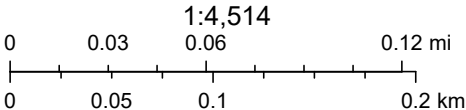
- **Proposed Action Location Maps, Hyde County Parcel Information, and Site Plans**
- **FEMA FIRMs Showing Parcel Boundary, NFIP Community Status Book, Distance from Proposed Action's Limits of Disturbance, and Total Acreage Amounts**

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center



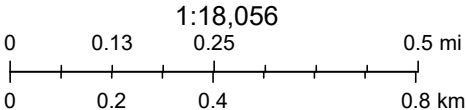
Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph,

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center



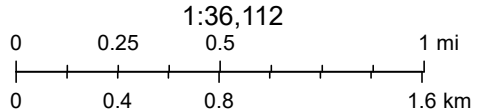
Esri Community Maps Contributors, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA,

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center

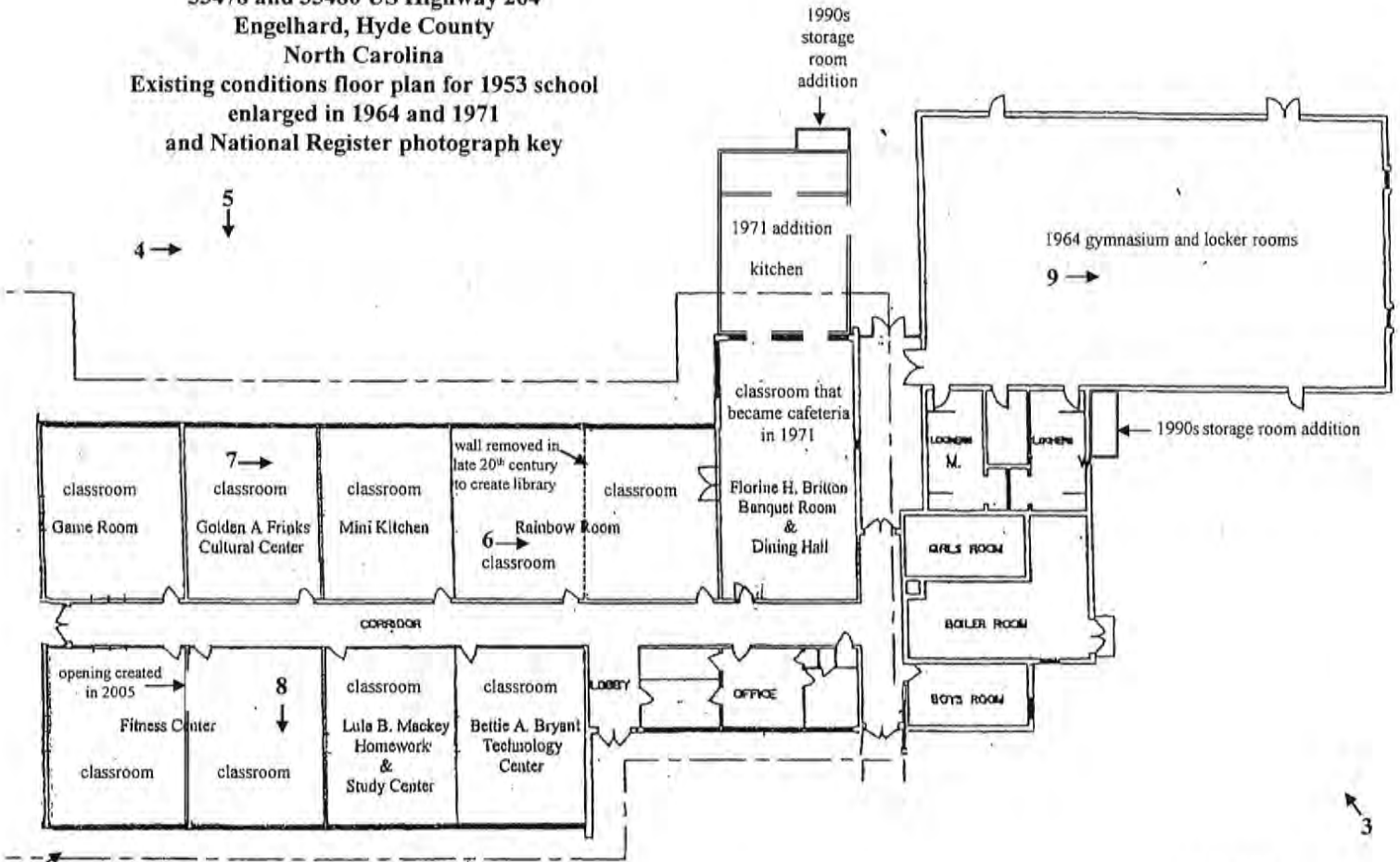


State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,

Davis Ventures Community Center Project – Photo from NRAC Meeting 2/9/23



Davis School
 33478 and 33480 US Highway 264
 Engelhard, Hyde County
 North Carolina
 Existing conditions floor plan for 1953 school
 enlarged in 1964 and 1971
 and National Register photograph key



Post-2005 floor plan provided by Davis Ventures
 Annotated by Heather Fearnbach, Fearnbach History Services, Inc. / December 2022

Not to Scale
 ← N

Hyde County Davis Ventures Community Center Project – Parcel Map

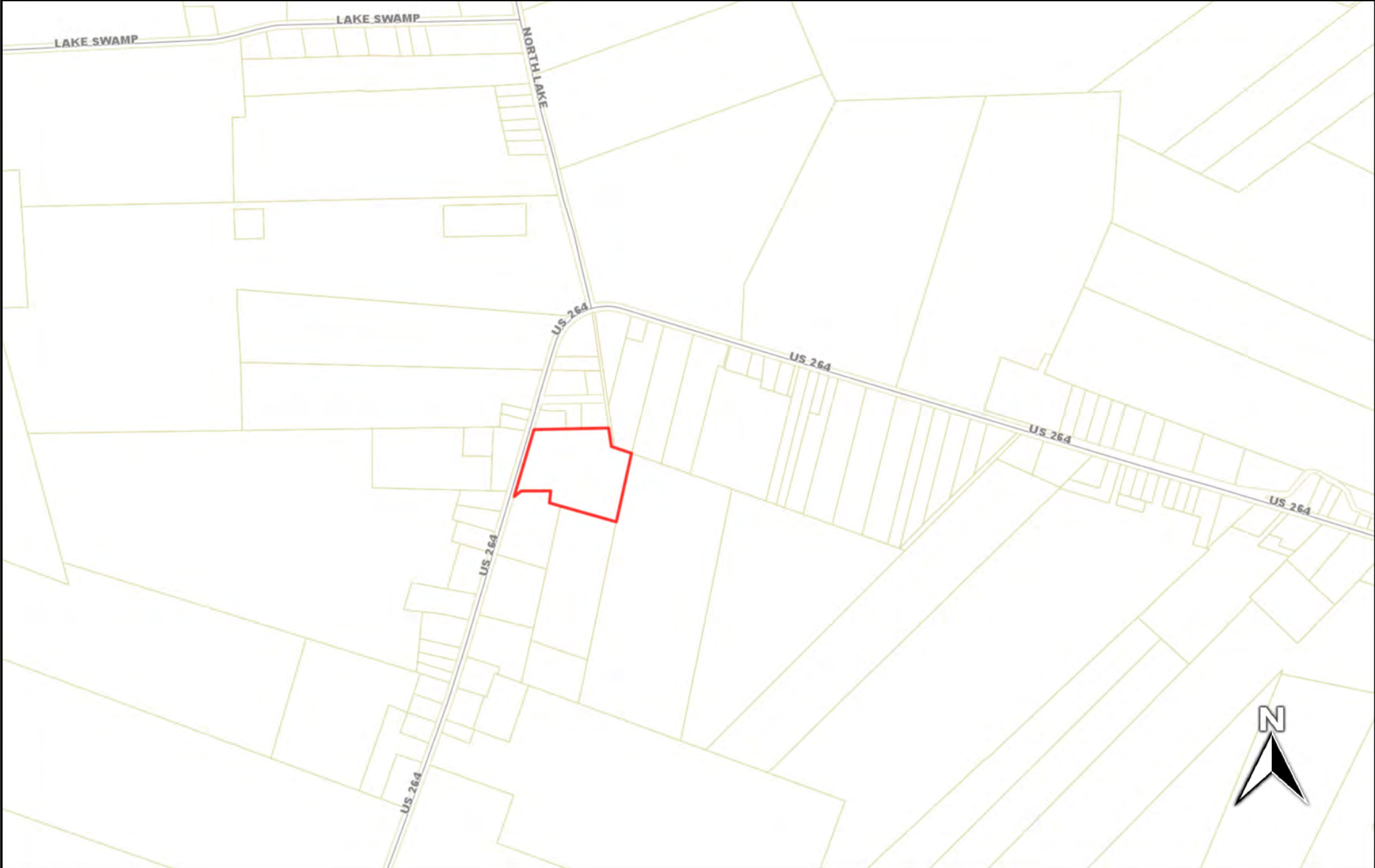


33478 U.S. 264, Engelhar

Basemap Imagery Draw Erase Save Session Tools More Data



Hyde County Davis Ventures Community Center Project



100 m
400 ft

Aug/10/2022
Scale 1:6626

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#

10

RECORD	CARD	PIN	MAP NUMBER
13444	1	8685-63-0956	R7 124

OWNER INFORMATION

HYDE COUNTY

PHYSICAL 911 ADDRESS

33480 US 264 HWY

DBA

LEGAL DESCRIPTION

LOT & BLDGS
DAVIS SCHOOL PROPERTY

NOTES

TOTAL ACRES	RSMS	CSMS	C & D	% INT	HSQFT
8.662	1	0	100%	0%	18,200

LISTED	REVIEWED	REVISIT	APPEALS
TWT 10/14/2015	MR 1/11/2009		

BUILDING INFORMATION

CONSTRUCTION STYLE	EXEMPT	COND	ROOMS	BDRMS		
SPECIAL	Y	A				
YR BLT	EFF YR	REM YR	DEP %	DEPOVR	FUN OBS	ECO OBS
1950	1970		28%			

BUILDING PROPERTIES

FOUNDATION	ROOF TYPE/MATERIAL	WALL FINISH	FLOOR FINISH	FUEL TYPE
CONCRETE REINFLAT	TAR & GRVL	UNFINISHED PAINTD BLK	CONCRETE TILE	OIL

BUILDING BUILT INS, BASEMENTS, ATTICS & SUB SECTIONS

TYPE	GRADE	NOTES	QTY/SIZE	RPCN	% COMP

Total Built Ins, Plumbing & Fireplace Value **\$29,300**

BUILDING SECTIONS

SEC#	TYPE	GRADE	EXT FIN	HEAT	AIR	SHGT	SQFT	WHGT	E YEAR	RPCN	DEP	% COMP
A.0	61 TYPICAL OFFICE	C	BRKVR	C-HEAT	C-AIR	1.00	13,950	1	1970	\$829,362	28%	100%
B.0	56 GYMNASIUM	C	BRKVR	C-HEAT	C-AIR	1.00	4,250	30	1970	\$363,327	28%	100%

PARCEL SUMMARY

TOTAL BLDG VALUE	\$447,790
LAND VALUE	\$144,829
OBLDG VALUE	\$13,000
APPRAISED VALUE	\$605,619
DEFERRED VALUE	\$0

Building Replacement Cost New **\$1,221,990**

TAXABLE VALUE **\$605,618**



A.0 61 SR100U15R80U10R10U50L20U45L40D50L130D70.
B.0 56 U70R130U50R40D45SR85U50L85D50.

PRINT DATE	LAST SAVED
4/11/2018	10/16/2015

BUILDING VALUE SUMMARY	
RPCN	\$1,221,990
DEP 28%	\$879,833
RCLND	\$342,157
OBS F/E	\$0
LCF 85%	\$290,834

LAKE LANDING - REVAMP'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swain Quarter, NC 27885

ACCOUNT#

10

TOPO

STREET

LAND PROPERTIES

UTILITIES

ZONING

NBHD

TRACT

RECORD

CARD

PIN

MAP NUMBER

13444

1

8685-63-0956

R7 124

PAVED

WELL

3

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SEP SYS

ELECTR

LEVEL

OWNER INFORMATION

LAND NOTES

HYDE COUNTY

LAND

CLASS	METHOD	SIZE	DEPTH	BASE RATE	ADJ	ADJ RATE	SZ ADJ TBL	USE TYPE	USE VALUE	MARKET VALUE
2 P BLDG SITE	ACRE	8.662		\$22,000		\$16,720			\$144,829	\$144,829

Total Acres **8.66** \$ / Acre **\$16,720** Land Use Value **\$144,829** Land Value **\$144,829**

OUT BUILDINGS/OTHER IMPROVEMENTS

NUM	TYPE	GRADE	YEAR	COND	NOTES	STHGT	LENGTH X WIDTH	AREASZ	RATE	DEP	VALUE	% COMP
1.	96 FENCE/CH LK							SF			\$3,000	
2.1	97 ASPHALT	C		A		1	1 X 10030	10030 SF		0.60	\$5,000	100%
3.1	47 SHELTER				INCLUDES RESTROOMS			SF			\$5,000	

Total Parcel Out Building & Other Improvements Value **\$13,000**

PREVIOUS VALUES	PARCEL SUMMARY	
\$262,375	TOTAL BLDG VALUE	\$447,790
\$144,829	LAND VALUE	\$144,829
\$5,600	OBLDG VALUE	\$13,000
\$412,804	APPRAISED VALUE	\$605,619
\$0	DEFERRED VALUE	\$0
\$426,620	TAXABLE VALUE	\$605,618

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swain Quarter, NC 27885

ACCOUNT#

10

RECORD	CARD	PIN	MAP NUMBER
13444	2	8685-63-0956	R7 124

OWNER INFORMATION

HYDE COUNTY

PHYSICAL 911 ADDRESS

33480 US 264 HWY

DBA

LEGAL DESCRIPTION

LOT & BLDGS
DAVIS SCHOOL PROPERTY

NOTES

TOTAL ACRES	RSMS	CSMS	C & D	% INT	HSQFT
8.662	1	0	100%	0%	10,350

LISTED	REVIEWED	REVISIT	APPEALS
TWT 10/14/2015	MR 1/11/2009		

BUILDING INFORMATION

CONSTRUCTION STYLE	EXEMPT	COND	ROOMS	BDRMS		
SPECIAL	Y	A				
YR BLT	EFF YR	REM YR	DEP %	DEPOVR	FUN OBS	ECO OBS
1950	1970		28%			

BUILDING PROPERTIES

FOUNDATION	ROOF TYPE/MATERIAL	WALL FINISH	FLOOR FINISH	FUEL TYPE
CONCRETE REINFORCABLE	METAL	UNFINISHED PAINTD BLK	CONCRETE TILE	OIL

BUILDING BUILT INS, BASEMENTS, ATTICS & SUB SECTIONS

TYPE	GRADE	NOTES	QTY/SIZE	RPCN	% COMP
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Total Built Ins, Plumbing & Fireplace Value **\$12,000**

BUILDING SECTIONS

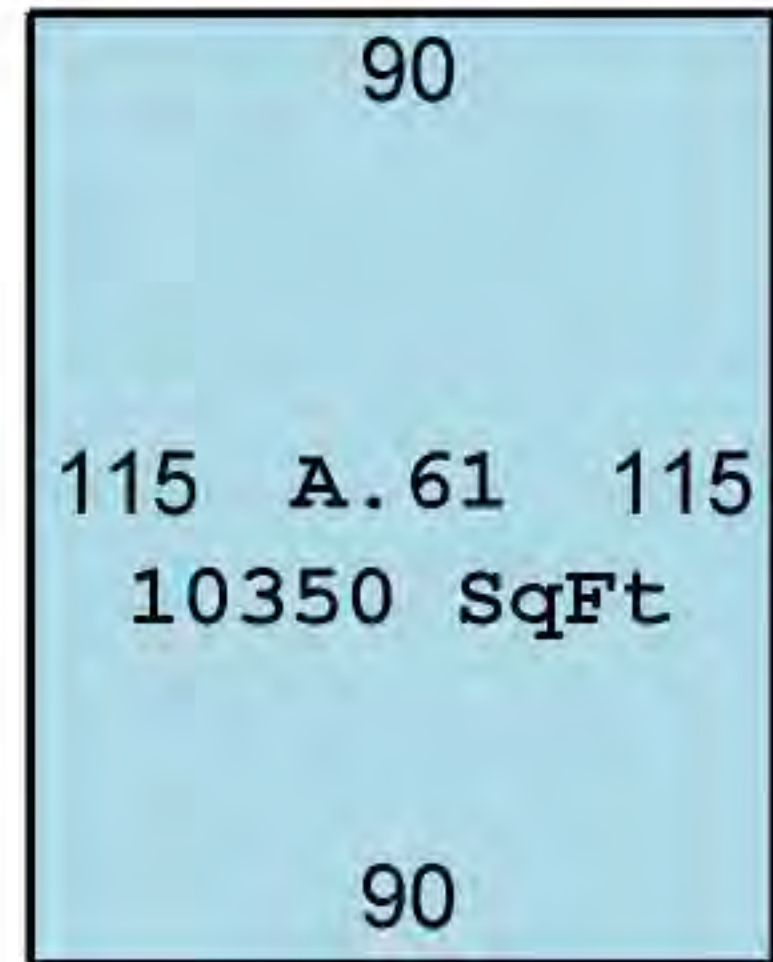
SEC#	TYPE	GRADE	EXT FIN	HEAT	AIR	SHGT	SQFT	W/HGT	E YEAR	RPCN	DEP	% COMP
A.0	61 TYPICAL OFFICE	C	BRKVR	C-HEAT	C-AIR	1.00	10,350	1	1970	\$615,333	28%	100%

PARCEL SUMMARY

TOTAL BLDG VALUE	\$447,790
LAND VALUE	\$144,829
OBLDG VALUE	\$13,000
APPRAISED VALUE	\$605,619
DEFERRED VALUE	\$0

Building Replacement Cost New **\$627,333**

TAXABLE VALUE **\$605,618**



A.0 61 SR90U115L90D115.

PRINT DATE	LAST SAVED
4/11/2018	10/16/2015

BUILDING VALUE SUMMARY	
RPCN	\$627,333
DEP 28%	\$451,680
RCLND	\$175,653
OBS F/E	\$0
LCF 85%	\$149,305

LAKE LANDING - REVAMP'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#

10

TOPO

STREET

LAND PROPERTIES

UTILITIES

ZONING

NBHD

TRACT

RECORD

CARD

PIN

MAP NUMBER

13444

2

8685-63-0956

R7 124

PAVED

WELL

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SEP SYS

ELECTR

LEVEL

OWNER INFORMATION

LAND NOTES

HYDE COUNTY

LAND

CLASS	METHOD	SIZE	DEPTH	BASE RATE	ADJ	ADJ RATE	SZ ADJ TBL	USE TYPE	USE VALUE	MARKET VALUE
Total Acres 8.66 \$ / Acre \$16,720 Land Use Value \$144,829 Land Value \$144,829										

OUT BUILDINGS/OTHER IMPROVEMENTS

NUM	TYPE	GRADE	YEAR	COND	NOTES	STHGT	LENGTH X WIDTH	AREASIZE	RATE	DEP	VALUE	% COMP
Total Parcel Out Building & Other Improvements Value \$13,000												

PREVIOUS VALUES	PARCEL SUMMARY	
\$262,375	TOTAL BLDG VALUE	\$447,790
\$144,829	LAND VALUE	\$144,829
\$5,600	OBLDG VALUE	\$13,000
\$412,804	APPRAISED VALUE	\$605,619
\$0	DEFERRED VALUE	\$0
\$426,620	TAXABLE VALUE	\$605,618

LAKE LANDING - REVAL'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#

10

RECORD	CARD	PIN	MAP NUMBER
13444	3	8685-63-0956	R7 124

OWNER INFORMATION

HYDE COUNTY

PHYSICAL 911 ADDRESS

33480 US 264 HWY

DBA

LEGAL DESCRIPTION

LOT & BLDGS
DAVIS SCHOOL PROPERTY

NOTES

TOTAL ACRES	RSMS	CSMS	C & D	% INT	HSQFT
8.662	1	0	100%	0%	2,128

LISTED	REVIEWED	REVISIT	APPEALS
TWT 10/14/2015	MR 1/11/2009		

BUILDING INFORMATION

CONSTRUCTION STYLE	EXEMPT	COND	ROOMS	BDRMS		
DOUBLE WIDE	Y	A				
YR BLT	EFF YR	REM YR	DEP %	DEPOVR	FUN OBS	ECO OBS
1984	1984		12%			

BUILDING PROPERTIES

FOUNDATION	ROOF TYPE/MATERIAL	WALL FINISH	FLOOR FINISH	FUEL TYPE
BRICK	GABLE COMP SHGLS	PANEL	SOFTWOOD TITLE	GAS

BUILDING BUILT INS, BASEMENTS, ATTICS & SUB SECTIONS

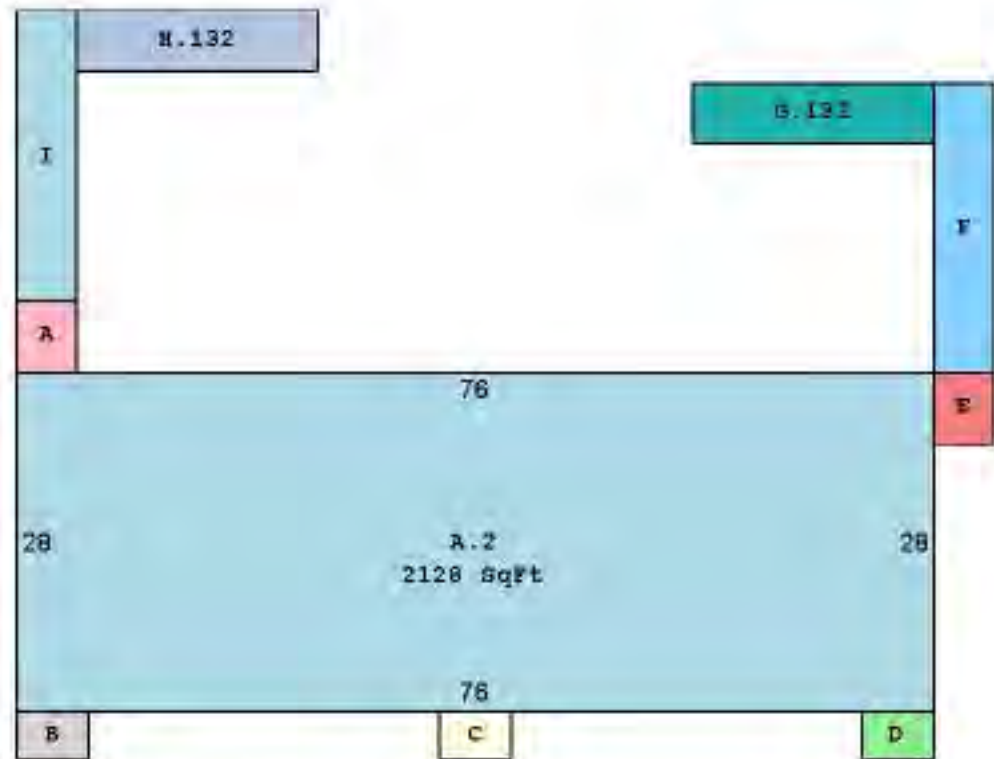
TYPE	GRADE	NOTES	QTY/SIZE	RPCN	% COMP

Total Built Ins, Plumbing & Fireplace Value **\$4,200**

BUILDING SECTIONS

SEC#	TYPE	GRADE	EXT FIN	HEAT	AIR	SHGT	SQFT	W/HGT	E YEAR	RPCN	DEP	% COMP
A.0	2MFH DW MOB HOME	D	SDOSH	C-HEAT	C-AIR	1.00	2,128	1	1984	\$65,452	12%	100%
B.0	112WOOD DECK	D				1.00	24	1	1984	\$201	12%	100%
C.0	112WOOD DECK	D				1.00	24	1	1984	\$201	12%	100%
D.0	112WOOD DECK	D				1.00	24	1	1984	\$201	12%	100%
E.0	112WOOD DECK	D				1.00	30	1	1984	\$251	12%	100%
F.0	132RAMP	D				1.00	120	1	1984	\$1,154	12%	100%
G.0	132RAMP	D				1.00	100	1	1984	\$962	12%	100%
H.0	132RAMP	D				1.00	100	1	1984	\$962	12%	100%
I.0	132RAMP	D				1.00	120	1	1984	\$1,154	12%	100%
A.0	112WOOD DECK	D				1.00	30	1	1984	\$251	12%	100%

Building Replacement Cost New **\$74,988**



- A.0 2 SR76U28L76D28.
- A.0 112 U28SR5U6L5D6.
- B.0 112 SD4R6U4L6.
- C.0 112 R35SD4R6U4L6.
- D.0 112 R70SD4R6U4L6.
- E.0 112 R76U22SR5U6L5D6.
- F.0 132 R76U28SR5U24L5D24.
- G.0 132 U28R76U19SU5L20D5R20.
- H.0 132 U58R5SD5R20U5L20.
- I.0 132 U34SR5U24L5D24.

PRINT DATE	LAST SAVED
4/11/2018	10/16/2015

BUILDING VALUE SUMMARY

RPCN	\$74,988
DEP 12%	\$65,990
RCLND	\$8,999
OBS F/E	\$0
LCF 85%	\$7,649

PARCEL SUMMARY

TOTAL BLDG VALUE	\$447,790
LAND VALUE	\$144,829
OBLDG VALUE	\$13,000
APPRAISED VALUE	\$605,619
DEFERRED VALUE	\$0

TAXABLE VALUE **\$605,618**

LAKE LANDING - REVAMP'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swain Quarter, NC 27885

ACCOUNT#

10

TOPO

STREET

LAND PROPERTIES

UTILITIES

ZONING

NBHD

TRACT

RECORD

CARD

PIN

MAP NUMBER

13444

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8685-63-0956

R7 124

PAVED

WELL

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SEP SYS

ELECTR

LEVEL

OWNER INFORMATION

LAND NOTES

HYDE COUNTY

LAND

CLASS	METHOD	SIZE	DEPTH	BASE RATE	ADJ	ADJ RATE	SZ ADJ TBL	USE TYPE	USE VALUE	MARKET VALUE
Total Acres 8.66 \$ / Acre \$16,720 Land Use Value \$144,829 Land Value \$144,829										

OUT BUILDINGS / OTHER IMPROVEMENTS

NUM	TYPE	GRADE	YEAR	COND	NOTES	STHGT	LENGTH X WIDTH	AREASIZE	RATE	DEP	VALUE	% COMP
Total Parcel Out Building & Other Improvements Value \$13,000												

PREVIOUS VALUES	PARCEL SUMMARY	
\$262,375	TOTAL BLDG VALUE	\$447,790
\$144,829	LAND VALUE	\$144,829
\$5,600	OBLDG VALUE	\$13,000
\$412,804	APPRAISED VALUE	\$605,619
\$0	DEFERRED VALUE	\$0
\$426,620	TAXABLE VALUE	\$605,618

LAKE LANDING - REVAL'D 2017

DAVIS VENTURES COMMUNITY CENTER

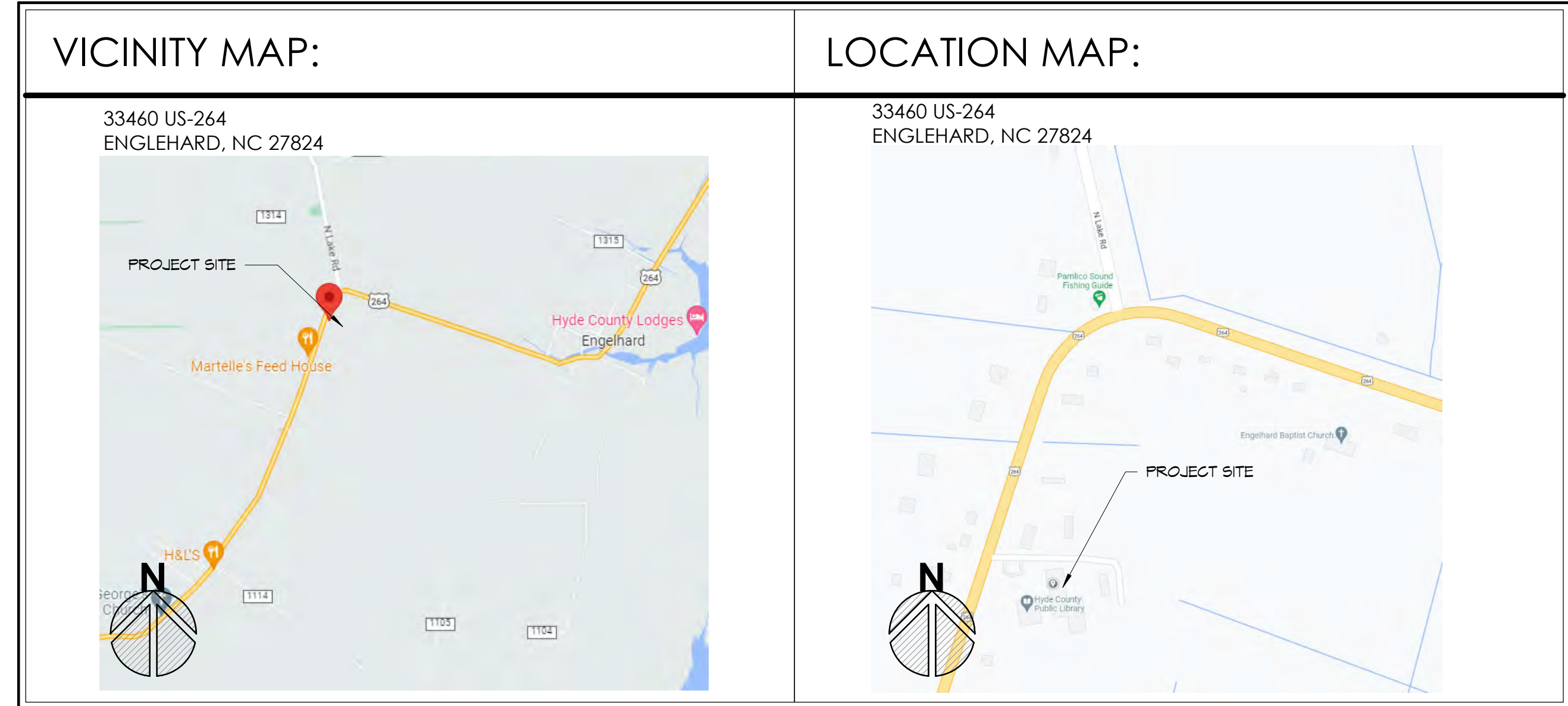
ROOF & BUILDING REPAIRS

100% CONSTRUCTION DOCUMENTS
BEHIND 33460 US-264; ENGLEHARD, NC 27824



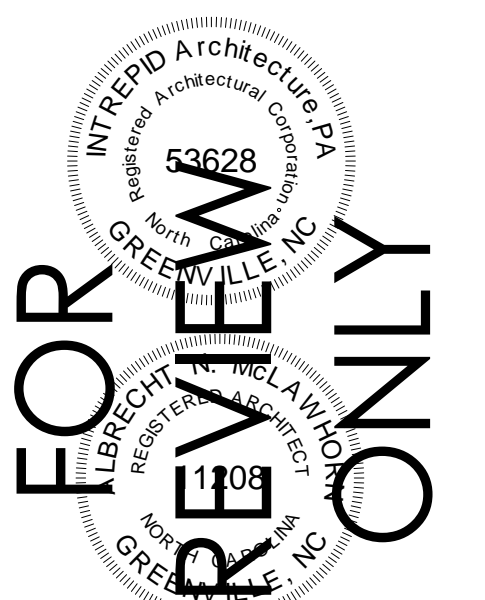
INTREPID ARCHITECTURE

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REVISIONS:		
#	DESC:	DATE

DRAWN BY: DJH/JO
PROJECT #: 20014
ISSUE DATE: 07/07/23

PHASE:
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SHEET NAME & NUMBER

VICINITY MAP, DRAWING INDEX, SYMBOLS, ABBREVIATIONS, & GENERAL NOTES

G1.01

CEILING SYMBOLS	
<p>CEILING ROOM TAG</p> <p>ROOM NUMBER TYPE CEILING HEIGHT</p> <p>CEILING TYPE</p> <p>PAINTED GYP. BD. REFER TO TAG FOR TYPE AND ELEVATION</p> <p>CEILING GRID REFER TO TAG FOR TYPE AND ELEVATION</p> <p>MECHANICAL RETURN</p> <p>MECHANICAL SUPPLY</p> <p>MECHANICAL EXHAUST</p> <p>EMERGENCY EXIT SIGN CEILING MOUNTED</p> <p>EMERGENCY EXIT SIGN WALL MOUNTED</p> <p>2X4 LIGHTING FIXTURE</p> <p>2X2 LIGHTING FIXTURE</p> <p>RECESSED CAN LIGHT</p> <p>LINEAR LIGHT</p> <p>FIRE ALARM</p> <p>HEAT DETECTOR</p> <p>SMOKE DETECTOR</p> <p>SPEAKER</p> <p>SPRINKLER HEAD</p> <p>DATUM TAG</p>	<p>GENERAL SYMBOLS</p> <p>WALL TYPE TAG</p> <p>DEMO KEY NOTE</p> <p>PLAN KEY NOTE</p> <p>DOOR TAG</p> <p>CENTER LINE</p> <p>POWER OUTLET</p> <p>FLOOR DRAIN</p> <p>THERMOSTAT</p> <p>CONTROL JOINT</p> <p>SLOPE ARROW</p> <p>OPENING TAG</p> <p>FRAME TYPE</p> <p>FRAME ELEVATION</p> <p>REFER TO OPENING SCHEDULE & FRAME ELEVATIONS</p> <p>FIRE EXTINGUISHER CABINET</p> <p>PLAN</p> <p>ELEVATION</p> <p>EMERGENCY WALL LIGHT</p> <p>PLAN</p> <p>ELEVATION</p> <p>SPRINKLER VALVE CABINET</p> <p>PLAN</p> <p>ELEVATION</p> <p>ROOM TAG</p> <p>ROOM NAME</p> <p>ROOM NUMBER</p> <p>ROOM NSF</p> <p>OCCUPANCY TAG</p> <p>OCCUPANCY GROUP</p> <p>AREA OF OCCUPANCY</p> <p>OCCUPANT LOAD</p> <p>AREA DESIGNATION</p> <p>NEW</p> <p>EXIST</p> <p>GRID LINE + BUBBLE</p> <p>LEVEL LINE</p> <p>LEVEL NAME</p> <p>HEIGHT ABOVE LEVEL 1 (LEVEL 1 = 0'-0" UNO.)</p> <p>VIEW TYPES:</p> <p>DETAIL VIEW/ ENLARGED VIEW</p> <p>BUILDING SECTION</p> <p>WALL SECTION</p> <p>EXTERIOR ELEVATION</p> <p>INTERIOR ELEVATION</p> <p>NORTH ARROW</p> <p>REVISION TAG AND CLOUD</p> <p>REFER TO REVISION SCHEDULE FOR ISSUE DATE AND REVISION INFORMATION</p> <p>View Name</p> <p>VIEW SCALE</p> <p>VIEW NUMBER</p>

FINISH SYMBOLS	
<p>ROOM FINISH TAG</p> <p>ROOM NAME</p> <p>ROOM #</p> <p>FLR</p> <p>BASE</p> <p>WALL</p> <p>WALL FINISH</p> <p>BASE MATERIAL/ FINISH</p> <p>FLOOR MATERIAL/ FINISH</p> <p>FLOOR MATERIALS/FINISH LEGEND</p> <p>CPT CARPET</p> <p>VCT VINYL COMPOSITION TILE</p> <p>CT CERAMIC TILE</p> <p>PT PAVER TILE</p> <p>EC EXPOSED CONCRETE, SEALED</p> <p>LVT LUXURY VINYL TILE</p> <p>EX EXPOSED</p> <p>BASE MATERIALS/FINISH LEGEND</p> <p>RB RUBBER BASE</p> <p>PW PAINTED WOOD</p> <p>SW STAINED WOOD</p> <p>CTB CERAMIC TILE BASE</p> <p>WALL MATERIALS/FINISH LEGEND</p> <p>PM PAINTED MASONRY</p> <p>PT PAINTED</p> <p>VW VINYL WALL COVERING</p> <p>CT CERAMIC TILE GLAZED WALL</p> <p>E EXPOSED CONSTRUCTION, UNPAINTED</p> <p>EP EXPOSED CONSTRUCTION, PAINTED</p> <p>ES EXPOSED STEEL, UNPAINTED</p> <p>PS EXPOSED STEEL, PAINTED</p> <p>PGB PAINTED GYPSUM BOARD</p> <p>CEILING MATERIALS/FINISH LEGEND</p> <p>ACT ACOUSTICAL PANEL CEILING</p> <p>GYP PAINTED GYPSUM BOARD</p> <p>EX EXPOSED CONSTRUCTION, UNPAINTED</p> <p>EP EXPOSED CONSTRUCTION, PAINTED</p> <p>VAR VARIES, HEIGHT</p> <p>MSP FIBER CEMENT BOARD SOFFIT PANEL - PERFORATED</p> <p>WD WOOD-LOOK METAL SOFFIT PANELING</p> <p><small>*NOTE REGARDING ALL FINISH TAGS - IF DESIGNATION IS FOLLOWED BY NUMERAL, DENOTES SPECIFIC MATERIAL TYPE WITHIN CATEGORY (REFER TO FINISH SCHEDULE)</small></p>	<p>ARCHITECTURAL ABBREVIATIONS</p> <p>ACT ACOUSTICAL CEILING TILE</p> <p>ADA AMERICANS WITH DISABILITIES ACT OF 1992</p> <p>ADJ. ADJACENT</p> <p>AFF ABOVE FLOOR FINISH</p> <p>AFG ABOVE FINISHED GRADE</p> <p>ARA AREA OF RESCUE ASSISTANCE</p> <p>BD BOARD</p> <p>B/W BETWEEN</p> <p>BOF BOTTOM OF FOOTING</p> <p>BOT BOTTOM</p> <p>CAN CANOPY</p> <p>CI CAST IRON</p> <p>CPT CARPET</p> <p>CLG. HT. CEILING HEIGHT</p> <p>CL CENTER LINE</p> <p>CMU CONCRETE MASONRY UNIT</p> <p>CO CLEAN OUT</p> <p>COL COLUMN</p> <p>CONC. CONCRETE</p> <p>CONT. CONTINUOUS</p> <p>CRS CHAIN ROLLER SHADE</p> <p>DIA DIAMETER</p> <p>DIM DIMENSION</p> <p>DN DOWN</p> <p>DO DOOR OPENING</p> <p>DS DOWNSPOUT</p> <p>DWG. DRAWINGS</p> <p>EA EACH</p> <p>EC ELECTRICAL CONTRACTOR</p> <p>EJ EXPANSION JOINT</p> <p>ELEC. ELECTRICAL</p> <p>EQ EQUAL</p> <p>EXIST EXISTING</p> <p>EXP EXPOSED</p> <p>EXT EXTERIOR</p> <p>FACP FIRE ALARM CONTROL PANEL</p> <p>FCU FAN COIL UNIT</p> <p>FD FLOOR DRAIN</p> <p>F.E. FIRE EXTINGUISHER</p> <p>FEC FIRE EXTINGUISHER CABINET</p> <p>FFE FINISHED FLOOR ELEVATION</p> <p>GYP GYPSUM</p> <p>GC GENERAL CONTRACTOR</p> <p>HB HOSE BIB</p> <p>HDW HARDWARE</p> <p>HLB HORIZONTAL LOUVER BLIND</p> <p>HM HOLLOW METAL</p> <p>HT HEIGHT</p> <p>HVAC HEAT, VENTILATION & AIR CONDITIONS</p> <p>HWC HOLLOW CORE WOOD DOOR</p> <p>INSUL INSULATION</p> <p>INT INTERIOR</p> <p>LVL LAMINATED VENEER LUMBER</p> <p>LVT LUXURY VINYL TILE</p> <p>MAX MAXIMUM</p> <p>MANUF MANUFACTURER</p> <p>MECH. MECHANICAL</p> <p>MIN. MINIMUM</p> <p>MO MASONRY OPENING</p> <p>MRS MOTORIZED ROLLER SHADE</p> <p>N.I.C. NOT IN CONTRACT</p> <p>N.T.S. NOT TO SCALE</p> <p>O.C. ON CENTER</p> <p>O.P.C.I. OWNER PROVIDED CONTRACTOR INSTALLED</p> <p>PLM PLASTIC LAMINATE</p> <p>PLYWD PLYWOOD</p> <p>PGB PAINTED GYPSUM BOARD</p> <p>PT PAINT</p> <p>RB RUBBER BASE</p> <p>RD ROOF DRAIN</p> <p>REF REFERENCE</p> <p>REINF REINFORCED</p> <p>REQD REQUIRED</p> <p>RM ROOM</p> <p>RO ROUGH OPENING</p> <p>SAB SOUND ABATING BATTING</p> <p>SD SMOKE DETECTOR</p> <p>SF SQUARE FEET</p> <p>SIM SIMILAR</p> <p>SPECS SPECIFICATIONS</p> <p>SS STAINLESS STEEL</p> <p>STD STANDARD</p> <p>STL STEEL</p> <p>STRUCT STRUCTURAL DRAWINGS</p> <p>SWC SOLID WOOD CORE DOOR</p> <p>SYW SQUARE YARD</p> <p>CT CERAMIC TILE</p> <p>TERM TERMINATION/TERMINATE</p> <p>THRESH THRESHOLD</p> <p>T&G TONGUE AND GROOVE</p> <p>TO TOP OF</p> <p>TOF TOP OF FOOTING</p> <p>TOM TOP OF MASONRY</p> <p>TOP TOP OF PLATE</p> <p>TOS TOP OF STEEL</p> <p>TOW TOP OF WALL</p> <p>TS TRANSITION STRIP</p> <p>TYP TYPICAL</p> <p>UNO UNLESS NOTED OTHERWISE</p> <p>VAR VARIES</p> <p>VCT VINYL COMPOSITE TILE</p> <p>WC WATER CLOSET</p> <p>WB WOOD BASE</p> <p>WD WOOD</p> <p>W/ WITH</p> <p>W/O WITHOUT</p> <p>PARTITION LEGEND</p> <p>EXISTING PARTITION TO DEMOLISH</p> <p>EXISTING PARTITION TO REMAIN</p> <p>UNRATED NEW PARTITION</p> <p>1-HOUR RATED BARRIER</p> <p>2-HOUR RATED BARRIER</p>

Project activities will be completed in accordance with the Secretary of the Interior's Standards for Rehabilitation



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LIFE SAFETY PLAN SYMBOLS

COMMON PATH OF TRAVEL DISTANCE = 99'-0"

DIAGONAL DISTANCE BETWEEN EXITS = 28' - 4"

MAXIMUM DIAGONAL DISTANCE = 28' - 4"

TRAVEL DISTANCE = 99'-0"

DEAD END = 11'-0"

OCCUPANCY TYPE: BUSINESS
OCCUPANCY AREA: 150 SF
OCCUPANCY COUNT (BASED ON TABLE 1004.1.1): 2

★ BUILDING EXIT PH PANIC HARDWARE
○ MAXIMUM EGRESS CAPACITY (340) MAXIMUM EGRESS CAPACITY @ SUITE
◇ ACTUAL EGRESS CAPACITY ○ ACTUAL EGRESS CAPACITY @ SUITE
● EXIT SIGN FECE FIRE EXTINGUISHER CABINET

RATED INTERIOR PARTITION LEGEND

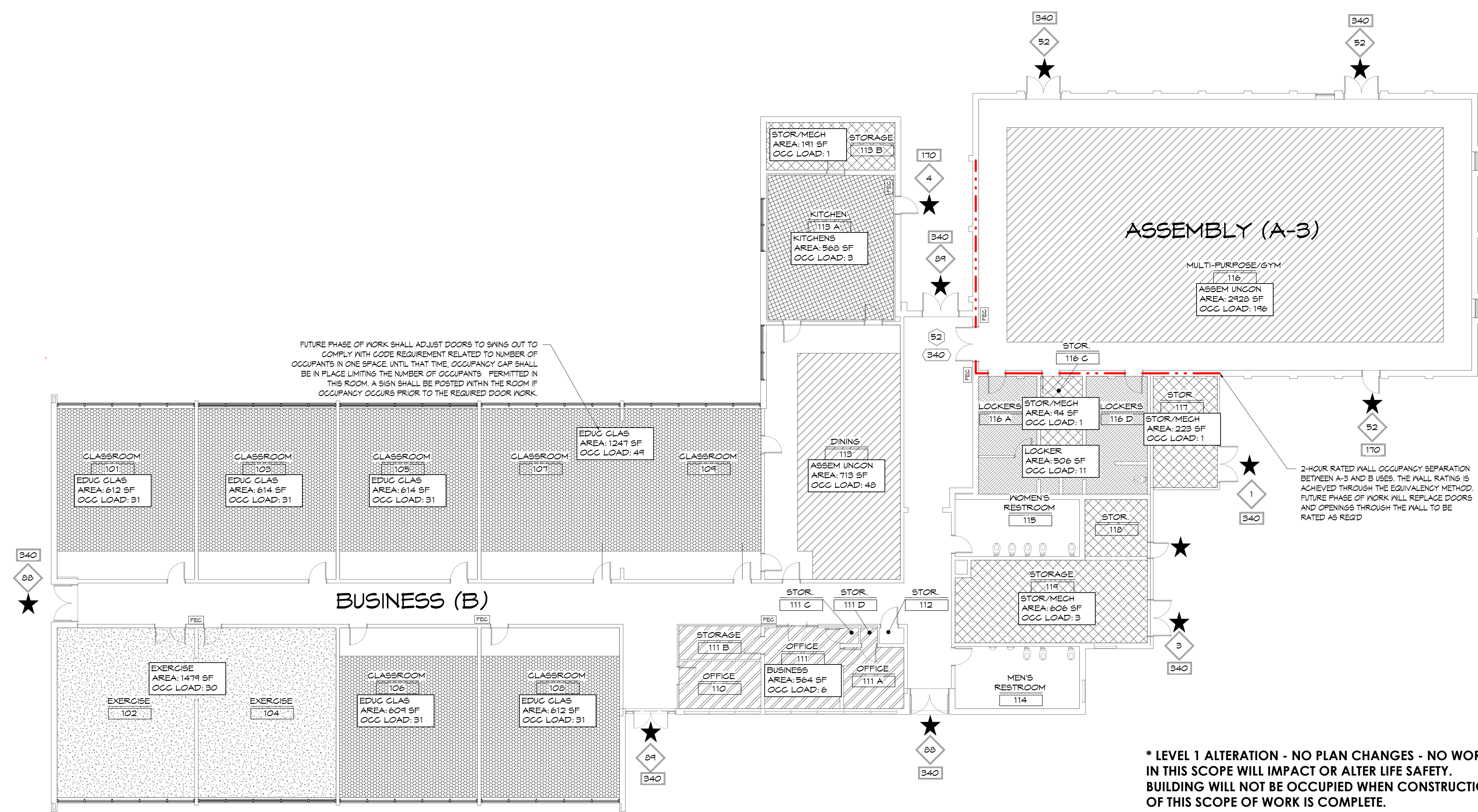
1-HOUR RATED FIRE BARRIER

2-HOUR RATED FIRE BARRIER

UNRATED PARTITION

OCCUPANCY SUMMARY

AREA PER OCCUPANT (TABLE 1004.1)	CALC OCCUPAN T LOAD
ACCESSORY STORAGE/MECHANICAL	6
ASSEMBLY (UNCONCENTRATED TABLES & CHAIRS, 1/15)	244
BUSINESS (1/100)	6
EDUCATIONAL - CLASSROOM	218
EXERCISE ROOM	30
KITCHEN COMMERCIAL	3
LOCKER ROOM	11
TOTAL	518



*** LEVEL 1 ALTERATION - NO PLAN CHANGES - NO WORK IN THIS SCOPE WILL IMPACT OR ALTER LIFE SAFETY. BUILDING WILL NOT BE OCCUPIED WHEN CONSTRUCTION OF THIS SCOPE OF WORK IS COMPLETE.**

FIRST FLOOR LIFE SAFETY PLAN 1
3/32" = 1'-0"



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DRAWN BY: DJH/JO
PROJECT #: 20014
ISSUE DATE: 07/07/23
PHASE:
100% CONSTRUCTION DOCUMENTS
SHEET NAME & NUMBER
LIFE SAFETY PLAN

G2.01

SPECIFICATIONS

DIVISION 0 – CONTRACTING REQUIREMENTS

1. THROUGHOUT THE DOCUMENTS HEREIN, THE TERM "OWNER" SHALL MEAN HYDE COUNTY, NORTH CAROLINA.
2. ALL OWNER STANDARDS AND PRACTICES SHALL BE STRICTLY ADHERED TO BY THE CONTRACTOR.
3. CONSTRUCTION UNDER CONTRACT TO BE USED FOR THE PROJECT SHALL BE PER FRONT END SPECIFICATIONS MANUAL, U.N.O.
4. CONTRACTOR REQUIRED TO MAKE A SITE VISIT PRIOR TO SUBMITTING BID. UPON SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THEIR FAMILIARITY WITH THE PROJECT SITE AND EXISTING CONDITIONS.
5. AS NOTED THEREIN, UNLESS SPECIALLY REQUESTED OTHERWISE BY THE OWNER, THE CONTRACTOR SHALL PROVIDE PERFORMANCE AND PAYMENT BONDS IN THE FULL AMOUNT OF THE CONTRACT PRIOR TO THE EXECUTION OF THE CONSTRUCTION CONTRACT.
6. GENERAL CONTRACTOR SHALL MAINTAIN INSURANCE COVERAGE FOR GENERAL LIABILITY, WORKERS COMP, AND BUILDERS RISK FOR THE DURATION OF THE PROJECT UNLESS NOTED / APPROVED BY THE OWNER OTHERWISE. (SEE FRONT END SPECIFICATION MANUAL)
7. CONTRACTOR SHALL PROVIDE DOCUMENTATION OF WORK AND COSTS AS NEEDED TO THE ARCHITECT AND OWNER TO APPROVE PAYMENT APPLICATIONS.
8. CONTRACTOR SHALL MOBILIZE ON SITE UPON THE EXECUTION OF THE CONSTRUCTION CONTRACT (UNLESS NOTED OTHERWISE IN THE SPECIFICATION MANUAL), BUT SHALL OBTAIN THE OWNER'S APPROVAL FOR THE CONSTRUCTION SCHEDULE AND LOGISTICS IN ADVANCE OF MOBILIZATION.
9. G.C. SHALL BE RESPONSIBLE FOR THE PROTECTION AND STORAGE OF ALL PRODUCTS REQUIRED TO PERFORM THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS.
10. CONTRACTOR IS RESPONSIBLE FOR FURNISHING A SCHEDULE SHOWING ALL MILESTONE DATES INCLUDING REQUIRED DATES FOR RECEIVING OWNER-SUPPLIED EQUIPMENT ON SITE. SHOULD SUCH ITEMS ARRIVE ONSITE AHEAD OF SAID DATE, THE OWNER SHALL BEAR THE SOLE RESPONSIBILITY FOR RECEIVING, STORING, AND HANDLING SUCH EQUIPMENT/ITEMS.
11. CONTRACTOR SHALL CONFIRM/COORDINATE ALL SCHEDULE REQUIREMENTS, LIQUIDATED DAMAGES, GENERAL CONDITIONS, ETC. WITH THE OWNER PRIOR TO SUBMITTING FINAL PRICING.
12. BASIS OF DESIGN PRODUCTS OR OWNER/ARCHITECT APPROVED EQUALS SHALL BE INSTALLED AS PER THE CONTRACT DOCUMENTS AND /OR THE MANUFACTURER'S REQUIREMENTS. IF THESE CONFLICT, THE G.C. SHALL PRICE THE MORE EXPENSIVE METHOD AND CONFIRM WITH THE DESIGNER OF RECORD PRIOR TO PROCEEDING.
13. SHOULD DISCREPANCIES EXIST WITHIN THE CONTRACT DOCUMENTS, GC SHALL PRICE THE MOST EXPENSIVE OPTION AND CONTACT THE OWNER/ARCHITECT FOR FURTHER CLARIFICATION.
14. INTERIOR PARTITIONS ARE DIMENSIONED FROM FACE OF STUD TO FACE OF STUD, UNLESS NOTED OTHERWISE. MAINTAIN DIMENSIONS MARKED "CLEAR" ALLOW FOR THICKNESS OF FINISHED WALL MATERIAL WHEN LAYING OUT WALLS NOTED TO BE "CLEAR". DOT AT DIMENSION TICK INDICATES MEASUREMENT TO FACE OF FINISHED SURFACE. PLAN NORTH/SOUTH DIMENSION STRINGS ARE ON THE PLAN NORTH FACE OF INTERIOR STUD. PLAN EAST/WEST DIMENSION STRINGS ARE PICKED FROM THE PLAN EAST FACE OF INTERIOR STUD. ALL INTERIOR DIMENSION STRINGS AT EXTERIOR WALLS PICK FROM INSIDE FACE OF STUD OR WALL U.N.O.
15. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, CONSULT THE ARCHITECT FOR DIRECTION.
16. REFER TO DRAWING SHEETS FOR KEYED NOTES.
17. ALL PRODUCTS LISTED AS BASIS-OF-DESIGN SHALL BE SUBMITTED AS NOTED, OR OTHER APPROVED EQUAL.

DIVISION 1 – GENERAL REQUIREMENTS

1. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE 2018 NORTH CAROLINA EXISTING BUILDING CODE, 2018 NORTH CAROLINA BUILDING CODE, ANSI 117.1, AND ALL OTHER APPLICABLE CODES ACCORDING TO THE AUTHORITIES HAVING JURISDICTION.
2. ALL WORK SHALL BE PERFORMED BY QUALIFIED AND APPROPRIATELY LICENSED PERSONNEL.
3. GC RESPONSIBLE FOR THE COORDINATION AND REVIEW RELATED TO ALL PERMITS, FEES, ETC. ASSOCIATED WITH THIS SCOPE OF WORK AS WELL AS COORDINATING AND SCHEDULING ALL REQUIRED INSPECTIONS. ARCHITECT AND OWNER TO BE NOTIFIED OF SCHEDULED INSPECTION WITH 3 DAYS NOTICE SO THEY CAN WITNESS THE INSPECTION IF DESIRED.
4. CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES AND UNDERGROUND ITEMS AS REQUIRED FOR THIS SCOPE OF WORK. CONDITIONS THAT PROHIBIT THE WORK FROM BEING PERFORMED AS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR EVALUATION BEFORE CONTINUING WITH WORK.
5. CONTRACTOR RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION. ANY DISCREPANCIES FROM THE DRAWINGS SHALL BE CONVEYED TO THE ARCHITECT FOR EVALUATION PRIOR TO CONTINUING WORK.
6. CONTRACTOR RESPONSIBLE FOR COORDINATING ALL SCHEDULES WITH OWNER AND ARCHITECT PRIOR TO START OF CONSTRUCTION.
7. CLEAN ALL SPACES WHERE DEMOLITION/CONSTRUCTION HAS OCCURRED AT THE CLOSE OF EACH DAY, MAINTAINING A CLEAN AND SAFE SITE IS THE RESPONSIBILITY OF THE GC.
8. COORDINATE ALL PLUMBING, MECHANICAL, ELECTRICAL WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR EVALUATION PRIOR TO CONTINUING WORK.
9. CONTRACTOR SHALL COORDINATE THE USE OF THE PREMISES UNDER THE DIRECTION OF THE OWNER.
10. FINAL CLEANING OF THE BUILDING AND SITE SHALL BE BY THE GENERAL CONTRACTOR PRIOR TO OCCUPANCY.
11. THIS PROJECT DOES NOT INCLUDE STORAGE, DISPENSING OR USE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS, FLAMMABLE GAS, OR HAZARDOUS SUBSTANCES.
12. LOCATION OF ELECTRICAL, MECHANICAL, AND PLUMBING FIXTURES INDICATED ON ARCHITECTURAL BACKGROUNDS ARE FOR LOCATIONS PURPOSES ONLY. REFER TO ENGINEERING DRAWINGS FOR FINAL TYPES AND QUANTITIES.
13. PROJECT LAYDOWN AND CONTRACTOR PARKING SHALL BE COORDINATED WITH THE OWNER.
14. DELEGATED DESIGNS SHALL BE SUBMITTED TO THE DESIGNER AND OWNER FOR REVIEW AND APPROVAL. SUBMIT TO AHP FOR FINAL REVIEW AFTER OWNER AND DESIGNER APPROVAL. DELEGATED DESIGN DRAWINGS MUST BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF NC.
15. MANUFACTURER EQUALS: PRODUCTS LISTED HEREIN ARE THE BASIS-OF-DESIGN SELECTIONS. ALTERNATE MANUFACTURERS ARE ACCEPTABLE IF THEY CAN PROVIDE A PRODUCT OF EQUAL QUALITY AND PERFORMANCE. CONTRACTOR SHALL BE RESPONSIBLE TO PROVE THE ALTERNATE PRODUCTS ARE EQUAL TO THE SPECIFIED BASIS-OF-DESIGN.
16. WARRANTY:
17. 1-YEAR WORKMANSHIP WARRANTY: CONTRACTOR TO PROVIDE A 1-YEAR WORKMANSHIP WARRANTY BEGINNING ON THE DATE OF SUBSTANTIAL COMPLETION.
18. STANDARD MANUFACTURER WARRANTIES SHALL BE PROVIDED FOR ALL MATERIALS AND INSTALLATION PROVIDED AS PART OF THIS SCOPE OF WORK. UNO, ALL WARRANTIES SHALL BEGIN ON THE DATE OF SUBSTANTIAL COMPLETION.
 1. CONTRACTOR TO SUBMIT SAMPLE WARRANTIES TO OWNER/ARCHITECT FOR REVIEW AND APPROVAL.
19. ALLOWANCES: SEE FRONT-END SPECIFICATION MANUAL.
20. UNIT PRICES: SEE FRONT-END SPECIFICATION MANUAL.
21. ALTERNATES: SEE FRONT-END SPECIFICATION MANUAL.

DIVISION 2 – EXISTING CONDITIONS

1. CONTRACTOR SHALL PROVIDE APPROPRIATE PROTECTION, BRACING, CONTAINMENTS, AND/OR DUST PARTITIONS AS NEEDED FOR DEMOLITION UNTIL NEW CONSTRUCTION IS COMPLETE TO PROTECT EXISTING SPACES OUTSIDE WORK AREA.

2. HAZARDOUS MATERIALS ARE EXPECTED WITHIN THE PROJECT AREA. ABATEMENT OF HAZARDOUS MATERIALS AND REMEDIATION OF THE MOLD IS INCLUDED AS PART OF THIS SCOPE OF WORK. REFER TO SPECIFICATION MANUAL FOR ADDITIONAL INFORMATION. SHOULD ANY EXISTING CONDITIONS DEViate FROM THE CONTRACT DOCUMENTS SUCH THAT THE SCOPE OF WORK IS IMPACTED, THE GC SHALL IMMEDIATELY NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND FINISHES PRIOR TO THE START OF ANY WORK. DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR EVALUATION BEFORE CONTINUING WITH WORK.
4. CONTRACTOR SHALL OFFER OWNER FIRST RIGHT OF REFUSAL FOR ALL SALVAGEABLE ITEMS.
5. DEMOLITION PLANS AND DETAIL INDICATE THE GENERAL INTENT AND ARE NOT INTENDED TO SHOW ALL ITEMS TO BE REMOVED OR RETAINED. THE G.C. SHALL VISIT THE SITE PRIOR TO THE SUBMISSION OF BIDS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND EXTENT OF WORK OUTLINED HEREIN.
6. SELECTIVE DEMOLITION IS TO INCLUDE (BUT NOT LIMITED TO) ITEMS DASHED ON DEMOLITION DRAWINGS AND AS NOTED IN KEYED DEMOLITION NOTES.
7. ITEMS TO BE DEMOLISHED ARE SHOWN DASHED WITH DIAGONAL HATCH. IN LOCATIONS WHERE RATED WALLS REQUIRE DEMOLITION, DIAGONAL HATCH EXTENDS BEYOND WALL CAVITY ON BOTH SIDES FOR ILLUSTRATIVE PURPOSES ONLY TO HELP IDENTIFY THE LOCATION WHERE DEMOLITION IS NEEDED.
8. ADDITIONAL DEMOLITION WORK ASSOCIATED WITH MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS IS REQUIRED. REFER TO FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION. CONTRACTOR TO COORDINATE WITH OTHER TRADES.
9. EXTENT OF DEMOLITION IS TO BE LIMITED TO THE EXTENT REQUIRED FOR NEW WORK. PROTECT ALL ITEMS AND EXISTING SURFACES TO REMAIN FROM DAMAGE AS REQUIRED. ANY EXISTING TO REMAIN SCOPE THAT IS DAMAGED AS PART OF THE WORK SHALL BE PATCHED, REPAIRED, PRIMED, PAINTED, ETC. TO MATCH EXISTING ADJACENT SURFACES. SUCH WORK SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT AND OWNER UNLESS UNEQUIVOCAL PHOTOGRAPHIC OR VIDEO DOCUMENTATION IS PROVIDED PROVING THAT THE ITEMS IN QUESTION WERE NOT DAMAGED AS A FUNCTION OF WORK ASSOCIATED WITH THIS SCOPE OF WORK.
10. SHOULD ANY ENTITY OTHER THAN THOSE UNDER CONTRACT FOR THIS SCOPE OF WORK DAMAGE ANY ITEMS WITHIN THE LIMITS OF DISTURBANCE FOR THIS PROJECT, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT IMMEDIATELY.
11. ITEMS NOT BEING SALVAGED SHALL BE TRANSPORTED AND DISPOSED OF IN A LEGAL MANNER IN ACCORDANCE WITH ALL APPLICABLE CODES. RETAIN ALL DISPOSAL RECORDS.
12. CLEAN AND PREPARE ALL EXISTING SURFACES/SUBSTRATES TO REMAIN AS REQUIRED FOR PROPER INSTALLATION OF NEW FINISHES AS SPECIFIED AND PER MANUFACTURER'S RECOMMENDATIONS AND CONTRACT DOCUMENTS. FILL HOLES, REMOVE MISCELLANEOUS ITEMS, AND PATCH AS REQUIRED TO MATCH EXISTING ADJACENT WALL FINISH. PREP FOR PRIME AND PAINT AS NEEDED FOR CLEAN, UNBLEMISHED SURFACE.
13. G.C. SHALL NOTIFY THE OWNER AND ARCHITECT OF ANY UNANTICIPATED HIDDEN CONDITIONS ENCOUNTERED DURING THE DEMOLITION FOR ADDITIONAL DIRECTION.
14. EXISTING FLOORS RECEIVING NEW FINISHES SHALL BE CLEANED AND PREPPED AS REQUIRED PER MANUFACTURER RECOMMENDATIONS AND REQUIREMENTS FOR THE APPLICATION SHOWN, INCLUDING BUT NOT LIMITED TO CHEMICAL REMOVAL OF ADHESIVES AND/OR FLOOR LEVELING. IRREGULAR SURFACES WILL NOT BE ACCEPTED. PROVIDE FLOOR LEVELING COMPOUND IN ALL AREAS OF DEMOLITION AND RENOVATION WORK AS REQUIRED FOR PROPER INSTALLATION OF NEW FINISHES PER MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
15. MATCH EXISTING IMPLIES MATERIAL, TYPE, QUALITY, COLOR, PATTERN, TEXTURE, ETC.
16. UNTAGGED DOORS INDICATE NO WORK.

DIVISION 3 – CONCRETE (NOT APPLICABLE)

DIVISION 4 – MASONRY (NOT APPLICABLE)

DIVISION 5 – METALS (NOT APPLICABLE)

DIVISION 6 – WOOD & COMPOSITES

1. MISCELLANEOUS WOOD MATERIALS FOR FURRING, BLOCKING, SHIMS, OR HANGARS AS REQUIRED. PROVIDE SOFTWOOD OR HARDWOOD LUMBER. KILN-DRIED TO MAXIMUM OF 15% MOISTURE. OFFER OWNER AND ARCHITECT AN IN-WALL WALK-THROUGH TO REVIEW PLACEMENT OF ALL BLOCKING AND WHAT EACH SECTION OF BLOCKING IS INTENDED TO SUPPORT.
2. ALL WOOD BLOCKING, CLEATS, GROUNDS, SHEATHING AND OTHER MISC. CARPENTRY ITEMS SHALL BE FIRE RETARDANT TREATED.
3. NEW WOOD ROOF FRAMING AS OUTLINED IN STRUCTURAL DRAWINGS. MEMBERS SHALL MEET PERFORMANCE/SPECIFICATION CRITERIA AS OUTLINED ON STRUCTURAL DRAWINGS, OR AS NOTED HEREIN, WHICHEVER IS MORE ROBUST.
4. PROVIDE SOFTWOOD OR HARDWOOD LUMBER, KILN-DRIED TO MAXIMUM OF 15% MOISTURE.
5. PROVIDE AND INSTALL NEW HURRICANE TIES AT EXISTING TRUSS CONNECTIONS AS OUTLINED IN STRUCTURAL DRAWINGS.
6. SHEATHING
7. PLYWOOD ROOF SHEATHING TO MATCH EXISTING ADJACENT THICKNESS.
 1. EXPOSURE 1 CLASSIFICATION
 2. SPECIES – SOUTHERN YELLOW PINE OR SIMILAR
 3. OSB NOT PERMITTED
8. MISC. PLYWOOD SHEATHING:
 1. 5/8" PLYWOOD, EXPOSURE 1 CLASSIFICATION
 2. SPECIES – SOUTHERN YELLOW PINE OR SIMILAR
 3. OSB NOT PERMITTED

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

1. ASPHALT SHINGLES
2. SHINGLES
 1. BASIS-OF-DESIGN: TIMBERLINE HDZ. BY GAF; COLOR TO BE SELECTED FROM MANUF. FULL RANGE
 2. WIND RATING: 150MPH
 3. WARRANTY: GOLD PLEDGE WARRANTY & WINDPROVEN LIMITED WIND WARRANTY BY GAF; FOR MINIMUM OF 40 YEARS
3. SHINGLE ACCESSORIES
 1. STARTER STRIP: PRO-START STARTER STRIP SHINGLES BY GAF
 2. ROOF FELT: FELTBUSTER SYNTHETIC ROOF FELT BY GAF
 1. PROVIDE 2 LAYERS AS REQ'D FOR LOW-SLOPE ROOF ASSEMBLIES PER MANUF. REQ'S.
 3. RIDGE CAP: TIMBERTEX BY GAF
 4. ATTIC VENTILATION: CORBA RIDGEVENT 3 BY GAF
 - A. MIN. FREE AREA FOR BUILDING IS 3,567 SQUARE INCHES.
4. MISC. ROOFING ACCESSORIES
 1. DRIP EDGE – PREFINISHED ALUMINUM
 2. FLASHING – STAINLESS STEEL
 3. TERMINATION BAR – STAINLESS STEEL
 4. VENT THROUGH ROOF: LEAD OR COPPER ROOF BOOT THAT TURNS DOWN INTO TOP OF VENT. PROVIDE ADDITIONAL MANUFACTURER STANDARD PENETRATION FLASHING/ RUBBER BOOT
 5. BAFFLE RAFTER VENTS – INSTALLED IN EACH VOID BETWEEN RAFTERS AT THE EAVE AND THE LOCATION WHERE ORIGINAL MONITOR AND GABLE ROOF COME TO A PINCH POINT. REFER TO DRAWINGS.
5. ALTERNATE MANUFACTURERS: CERTAINTED, OWENS CORNING
 1. MUST BE ABLE TO PROVIDE WARRANTY EQUAL TO BASIS-OF-DESIGN
 2. ALL ROOFING SYSTEM ITEMS MUST BE SINGLE SOURCED

6. EAVE AND RAKE FASCIA – PREFINISHED ALUMINUM, COLOR SELECTED FROM MANUF. FULL RANGE.
7. SOFFIT PANELS – PREFINISHED ALUM SOFFIT PANELS, V-GROOVE PERFORATED. COLOR SELECTED FROM MANUF. FULL RANGE.
 - A. MIN. FREE AREA FOR BUILDING IS 3,567 SQUARE INCHES.
8. PROVIDE NEW SEALANT AS REQUIRED AT ALL NEW EXTERIOR DOORS, WINDOWS, PENETRATIONS, JOINTS, ETC. TO ENSURE WEATHER TIGHT CONSTRUCTION. INSTALLED PRODUCT SHALL BE WARRANTED TO BE FREE OF DEFECTS IN MATERIAL, LABOR, WORKMANSHIP, AND INSTALLATION FOR A PERIOD OF 20 YEARS.

DIVISION 8 – OPENINGS

1. SEE OPENING SCHEDULE FOR ALL WINDOW SIZES. CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS. INTENT IS NEW FRAMING SYSTEM TO MATCH MULLION PATTERN OF EXISTING WINDOWS.
2. EXTERIOR STOREFRONT ENTRANCES TO BE THERMALLY BROKEN EXTRUDED ALUMINUM FRAMING SYSTEM WITH 1" INSULATED LOW-E GLAZING.
3. BASIS-OF-DESIGN YES 45 TU FRONT-SET THERMALLY BROKEN FRAMING AS MANUFACTURED BY YKK AP AMERICA, INC.
4. FRAME PROFILE: 2" FACE AND 4.5" DEPTH
5. COLOR: BLACK ANODIZED FINISH TO MATCH EXISTING FRAMING ADJACENT.
6. FRAMING SYSTEM TO BE COMPLIANT WITH AIR AND WATER INFILTRATION RATES AS REQUIRED BY APPLICABLE ASTM STANDARDS.
7. FRAMING SYSTEM SHALL BE DESIGNED TO WITHSTAND ALL APPLICABLE WIND LOADS AND SHALL COMPLY WITH MAXIMUM ALLOWABLE DEFLECTIONS OR ASTM REQUIREMENTS.
8. CONTRACTOR SHALL PROVIDE SUBMITTALS INCLUDING PRODUCT DATA, COLOR SAMPLES, AND SHOP DRAWINGS TO THE DESIGNER FOR REVIEW AND FINAL SELECTION OF COLOR.
9. SUBMIT PRODUCT DATA, MATERIAL SAMPLES, AND SHOP DRAWINGS TO OWNER/ARCHITECT FOR REVIEW AND APPROVAL.
10. EXTERIOR GLAZING SHALL BE 1" INSULATED UNITS CONSISTING OF THE FOLLOWING CONSTRUCTION:
 - A. EXTERIOR LITE SHALL BE 1/2" ULTRA-CLEAR TEMPERED GLASS.
 - B. LOW-E COATING ON SURFACE #2
 - C. 1/2" AIR SPACE
 - D. INTERIOR LITE SHALL BE 1/2" ULTRA-CLEAR TEMPERED GLASS
 - E. SUBMIT PRODUCT DATA, MATERIAL SAMPLES, AND SHOP DRAWINGS TO OWNER/ARCHITECT FOR REVIEW AND APPROVAL.
 - F. TEMPERED GLAZING MUST BE PROVIDED IN ALL LOCATIONS AS REQUIRED BY CODE.

DIVISION 9 – FINISHES (NOT APPLICABLE)

DIVISION 10 – SPECIALTIES (NOT APPLICABLE)

1. EXISTING EQUIPMENT TO REMAIN IN WORK AREA SHALL BE PROTECTED IN PLACE AND MOVED AS NEEDED TO COMPLETE SCOPE AS IDENTIFIED WITHIN THE CONTRACT DOCUMENTS. SITE VISIT BY CONTRACTORS AT PRE-BID MEETING REQUIRED TO REVIEW THE EQUIPMENT THAT WILL REMAIN IN THE BUILDING FOR CONSTRUCTION DURATION.

DIVISION 12 – FURNISHINGS (NOT APPLICABLE)

DIVISION 13 – SPECIAL CONSTRUCTION (NOT APPLICABLE)

DIVISION 14 – CONVEYING EQUIPMENT (NOT APPLICABLE)

- 21, 22, 23, AND 26 – FIRE PROTECTION, PLUMBING, MECHANICAL, & ELECTRICAL
 1. SYSTEMS/ASSEMBLIES INDICATED ON PLANS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR TO PROVIDE ALL NECESSARY HANGARS, FASTENERS, ETC TO PROVIDE A COMPLETE & WORKING ASSEMBLY.
 2. REMOVE ANY AND ALL DAMAGED ELECTRICAL AND FIRE ALARM WIRING, DEVICES, AND FIXTURES, INCLUDING ANY OF THE PRECEDING MENTIONED ITEMS EXPOSED TO WATER, UNLESS NOTED OTHERWISE.
 3. ALL WIRING THAT IS TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY BACK TO THE ELECTRICAL PANEL.
 4. ITEMS THAT ARE IN GOOD WORKING CONDITION AND ARE UNAFFECTED BY WATER CAN REMAIN IN PLACE.
 5. ALL ITEMS REMOVED SHALL BE PROPERLY CAPPED AND TERMINATED AS PART OF THIS SCOPE OF WORK.
 6. ALL LIGHTS THAT CAN BE REINSTALLED IN WORKING ORDER SHALL BE TURNED OVER TO THE OWNER FOR FUTURE RE-INSTALLATION.
 7. REMOVE ALL HVAC DIFFUSERS, GRILLS, AND DUCTWORK THROUGHOUT THE BUILDING.
 8. REMOVE ALL HVAC AIR HANDLERS, CONDENSERS, HEAT PUMPS, ETC THROUGHOUT THE BUILDING.
 9. NO WORK ON THE PLUMBING SYSTEM IS INCLUDED IN THIS SCOPE OF WORK.
 10. NO FIRE PROTECTION SYSTEM IS EXISTING IN THE BUILDING; NO SCOPE IS ASSOCIATED WITH FIRE PROTECTION IN THIS SCOPE OF WORK.

DIVISION 31, 32, & 33 – EARTHWORK, EXTERIOR IMPROVEMENTS, & UTILITIES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH LOCAL UTILITY PROVIDERS FOR ALL SITE WORK. CONTRACTOR RESPONSIBLE TO LOCATE ALL EXISTING UTILITIES AND INFRASTRUCTURE PRIOR TO START OF WORK. CONTRACTOR TO WORK AROUND ANY AND ALL EXISTING UTILITIES TO LEAVE ITEMS OUTSIDE OF SCOPE UNDISTURBED. SHOULD THE CONTRACTOR UNCOVER ANY UNKNOWN UNDERGROUND ITEMS, STOP WORK IMMEDIATELY AND INFORM THE OWNER/ARCHITECT FOR REVIEW AND DIRECTION.



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DRAWN BY: DJH/JO
 PROJECT #: 20014
 ISSUE DATE: 07/07/23

PHASE:
100% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER

GENERAL NOTES & SPECIFICATIONS

G3.01



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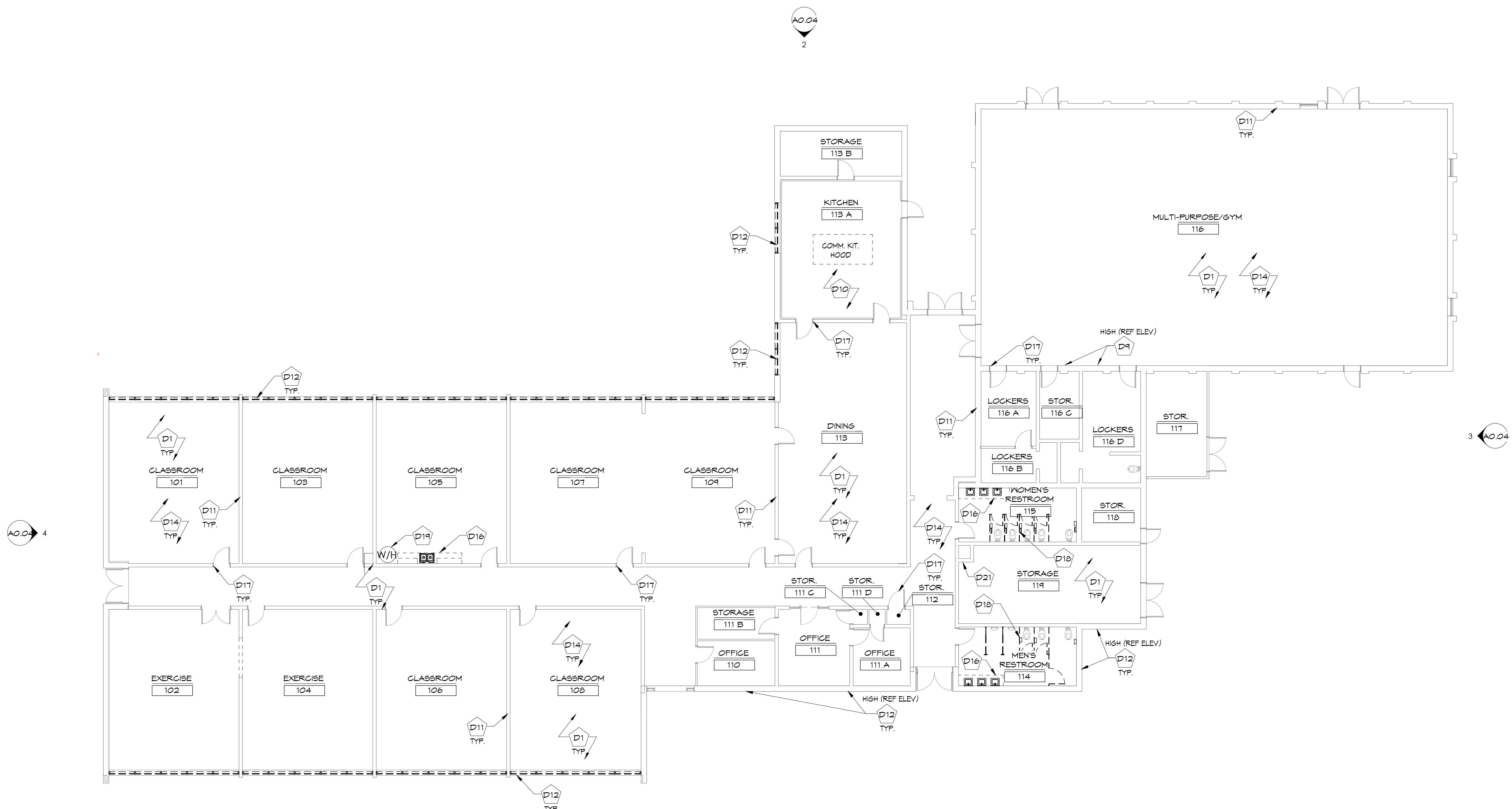
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DEMO FLOOR PLAN

A0.01

- DEMO KEY NOTES**
- D1** – REMEDIATE MOLD AND ABATE ALL HAZARDOUS MATERIALS THROUGHOUT THE BUILDING INCLUDING EXISTING INTERIOR AND EXTERIOR WALLS, FLOOR FINISHES, COMMERCIAL KITCHEN EQUIPMENT, CEILING TILES, DUCT WORK, INTERIOR DOORS, DOOR FRAMES ETC.
 - D2** – DEMOLISH AND ABATE ROTTEN, DAMAGED AND COLLAPSED AREAS OF THE GABLED ROOF SYSTEM. PREP FOR INSTALLATION OF NEW ROOF FRAMING IN SOME LOCATIONS AS SHOWN. AND NEW ASPHALT SHINGLE ROOFING SYSTEM THROUGHOUT AS SHOWN IN ROOF PLAN. (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INSTRUCTIONS AND PROVISIONS.)
 - D3** – DEMOLISH AND ABATE ROTTEN, DAMAGED, AND COLLAPSED AREAS OF ORIGINAL FLAT ROOF WOOD DECKING (BELOW GABLED ROOF). (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS.) REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.
 - D4** – DEMOLISH AND ABATE AS REQUIRED ANY EXISTING ROTTEN AND WATER-DAMAGED WOOD SILL PLATES AND ORIGINAL WOOD DECKING UNDER TRUSSES (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS). REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.
 - D5** – DEMOLISH SOFFIT PANELS AND FASCIA CLADDING AROUND PERIMETER OF BUILDING. PREP FOR INSTALLATION OF NEW PRE-FINISHED ALUMINUM VENTED SOFFIT PANELS AND PRE-FINISHED ALUMINUM FASCIA CLADDING.
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 - D11** – ALL EXISTING MASONRY WALLS TO REMAIN, UNO.
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 - D15** – EXISTING GYMNASIUM ROOF AND STRUCTURE BELOW TO REMAIN, NO WORK.
 - D16** – REMOVE EXISTING CASEWORK, CAP PLUMBING AT WALL/FLOOR.
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- * NOTES INCLUDED ARE FOR WHOLE SET AND MAY NOT APPEAR ON EVERY SHEET**



DEMO FLOOR PLAN 1
3/32" = 1'-0"



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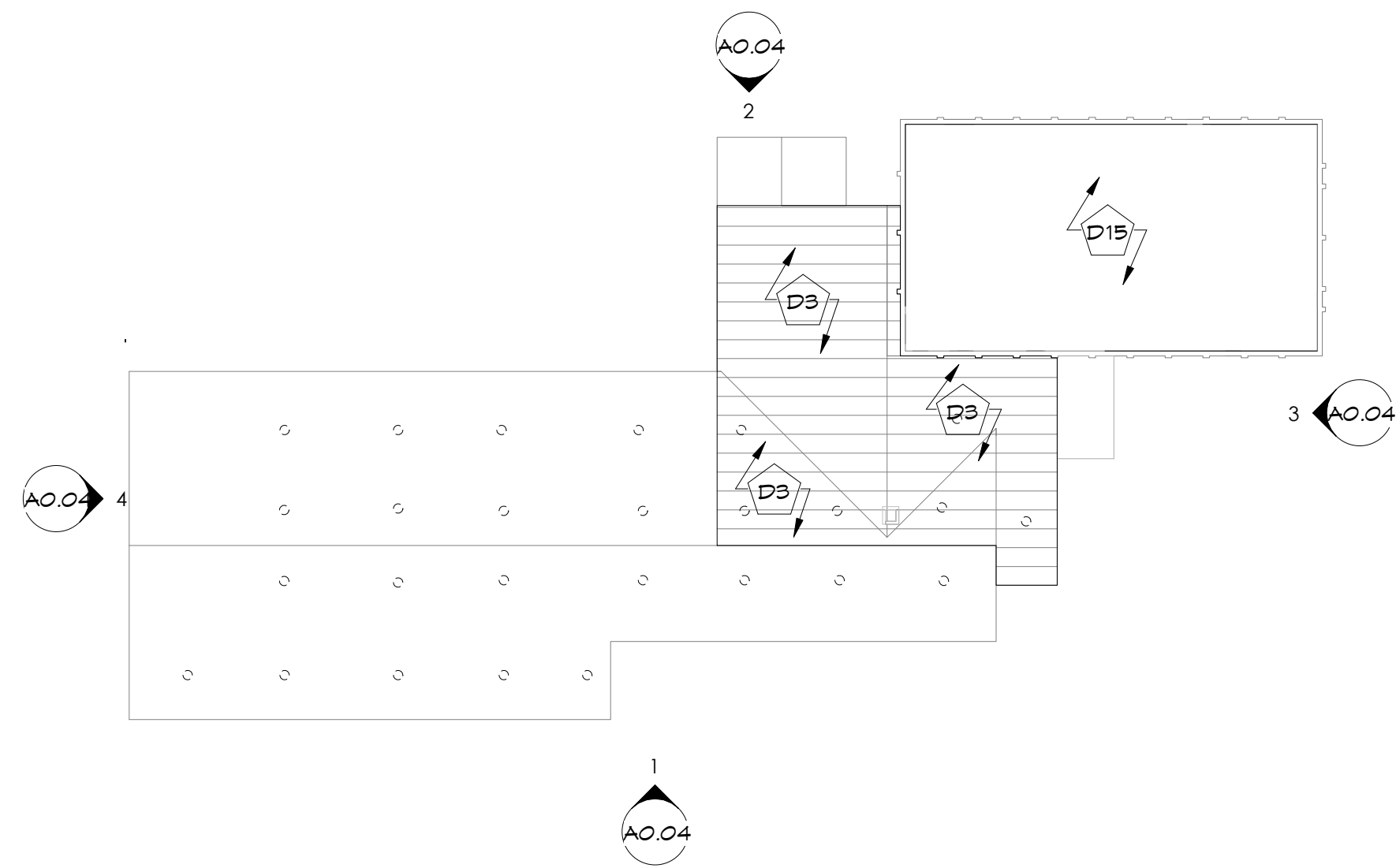
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DEMO ROOF PLANS

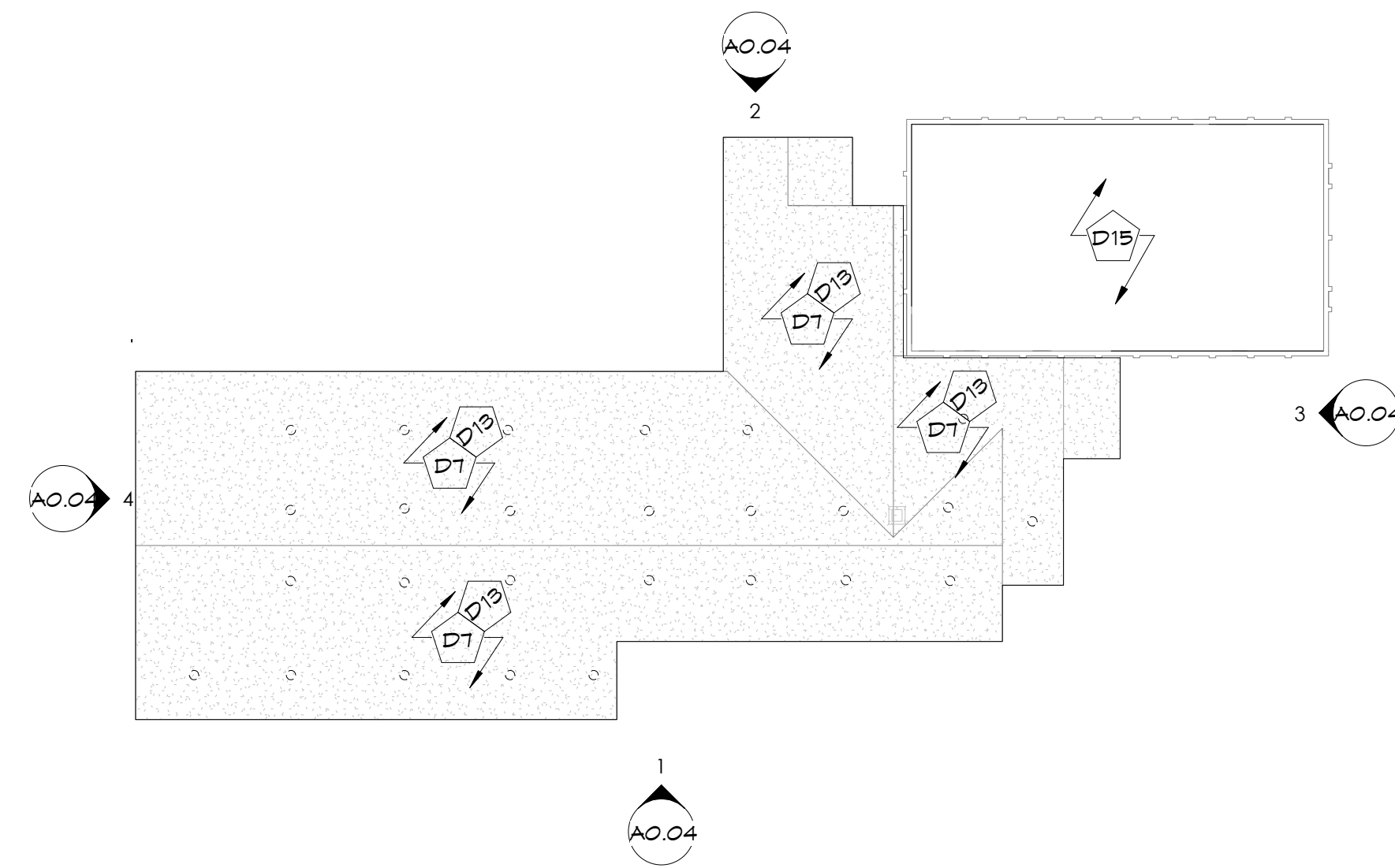
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DEMO KEY NOTES

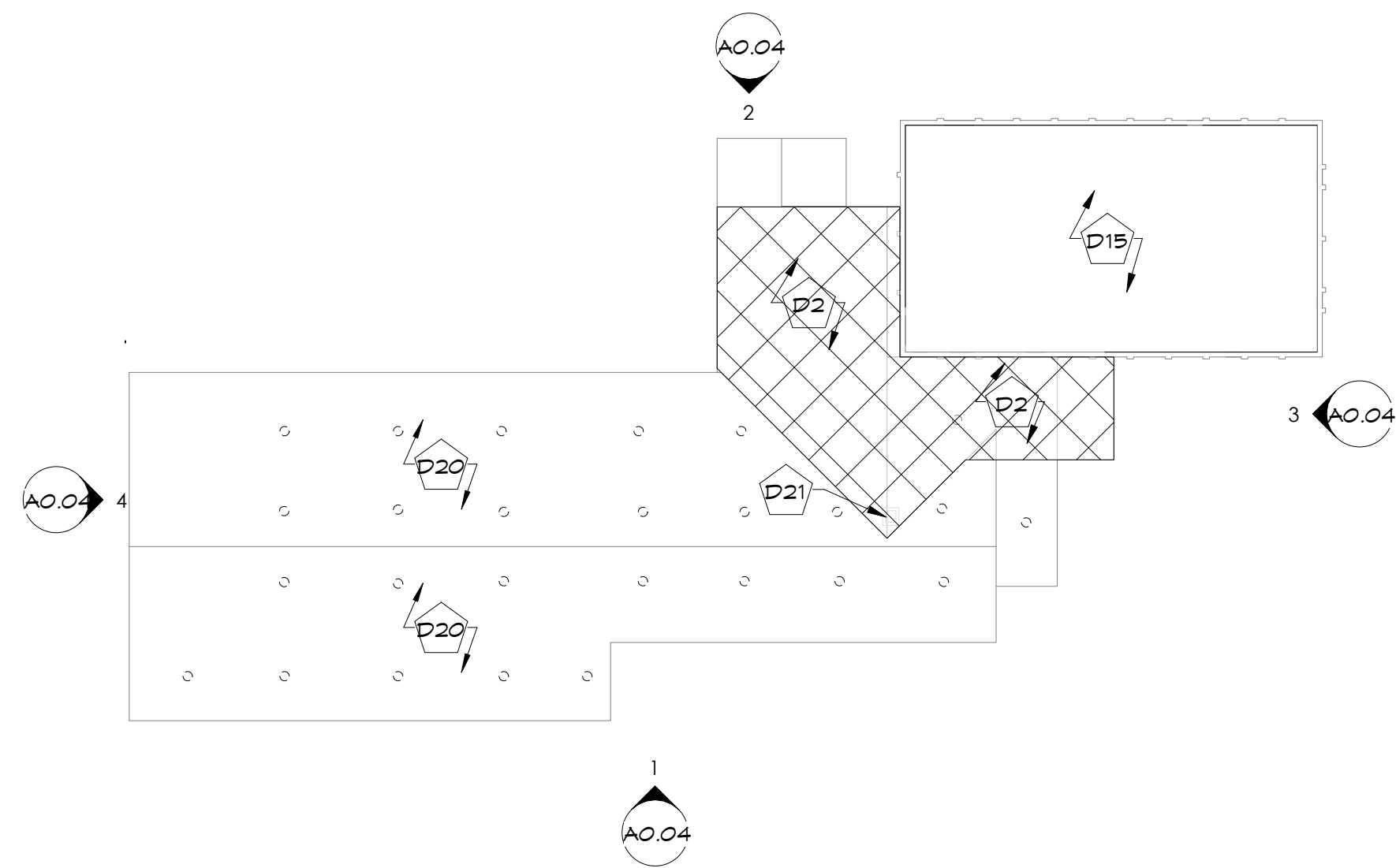
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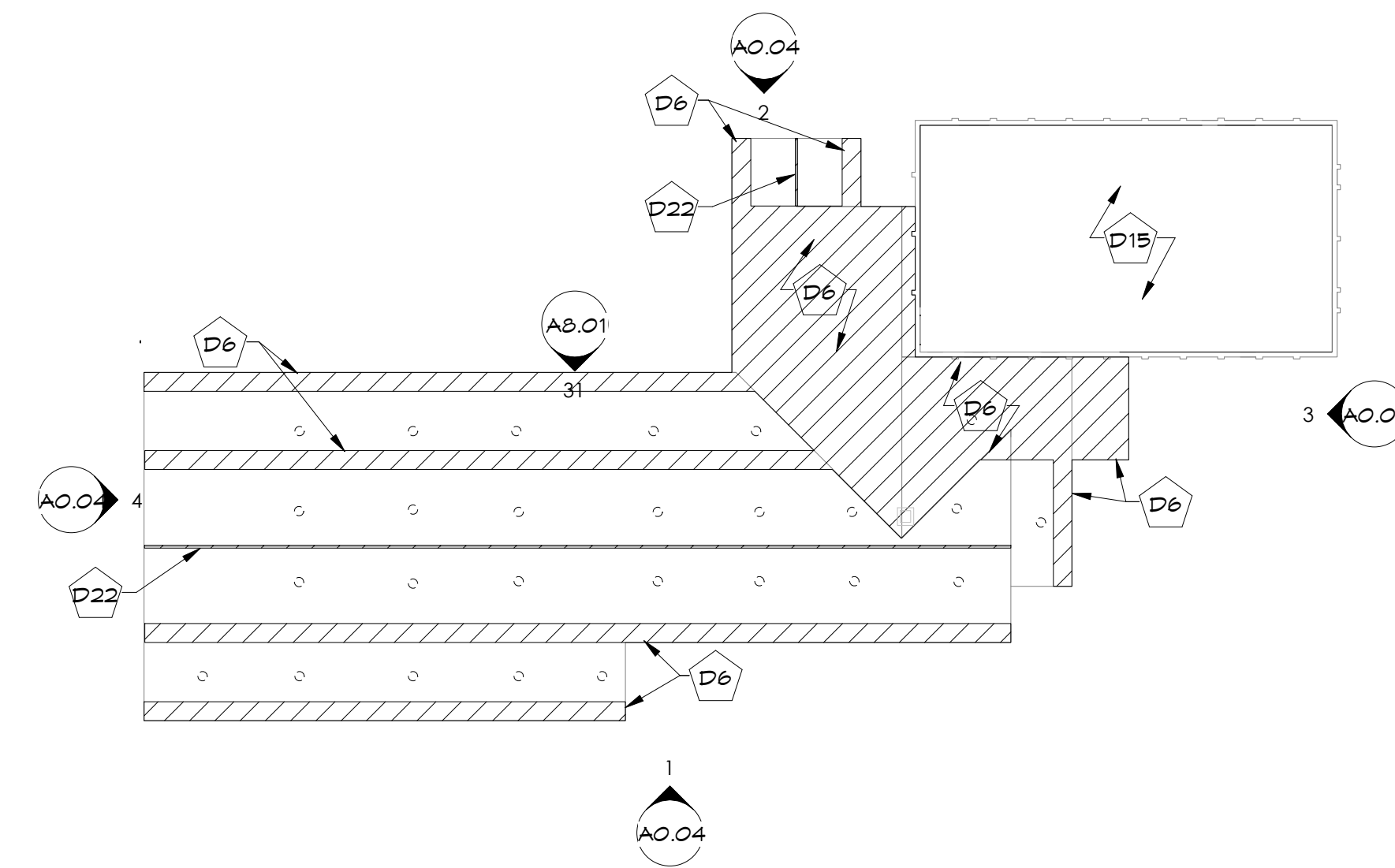
DEMO ROOF PLAN - FLAT (LOW) ROOF FRAMING & DECKING ④
1/32" = 1'-0"



DEMO ROOF PLAN ASPHALT SHINGLE ②
1/32" = 1'-0"



DEMO ROOF PLAN - HIGH ROOF FRAMING ③
1/32" = 1'-0"



DEMO ROOF PLAN - ROOF SHEATHING ①
1/32" = 1'-0"



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D13 - DEMOLISH EXISTING ASPHALT SHINGLES, ROOF FELTS, ETC. PREP FOR INSTALLATION OF NEW ASPHALT ROOFING SYSTEM AS SPECIFIED.

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D15 - EXISTING GYMNASIUM ROOF AND STRUCTURE BELOW TO REMAIN, NO WORK.

D16 - REMOVE EXISTING CASEWORK, CAP PLUMBING AT WALL/FLOOR.

D17 - EXISTING DOORS/LOUVERS AND FRAMES TO REMAIN THROUGHOUT BUILDING UNO.

D18 - REMOVE EXISTING BATHROOM PARTITIONS AND RESTROOM ACCESSORIES

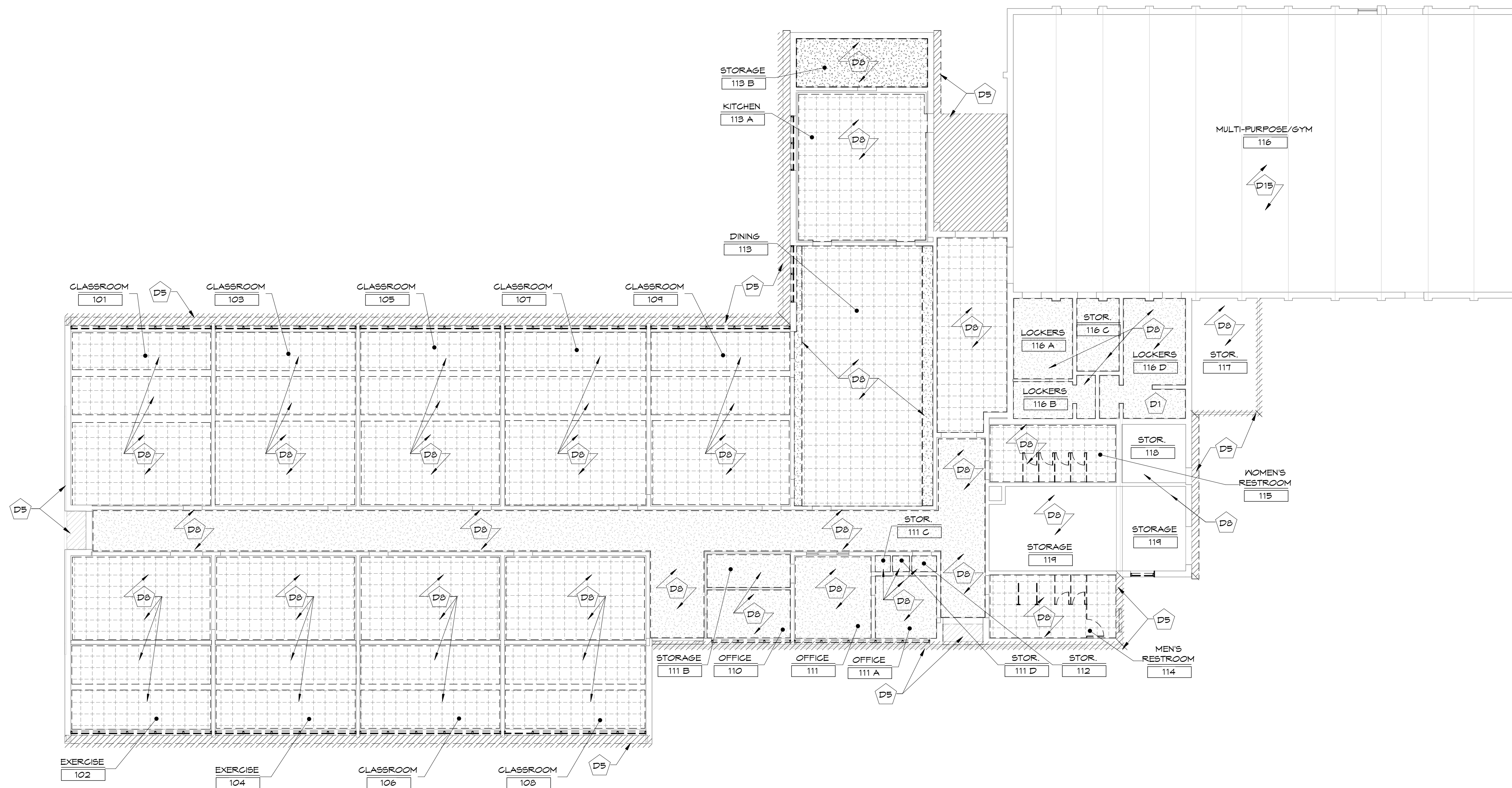
D19 - EXISTING WATER HEATER TO REMAIN, NO WORK.

D20 - REMOVE ALL EXISTING ROOF VENTILATION WIND-DRIVEN TURBINE EXHAUST

D21 - EXIST CHIMNEY TO REMAIN, NO WORK.

D22 - REMOVE PORTION OF EXISTING ROOF SEATHING FOR VENTED RIDGE PER MANUF. REQUIREMENTS FOR FREE AREA.

*** NOTES INCLUDED ARE FOR WHOLE SET AND MAY NOT APPEAR ON EVERY SHEET**



DEMO REFLECTED CEILING PLAN

3/32" = 1'-0" 1



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DEMO REFLECTED CEILING PLAN

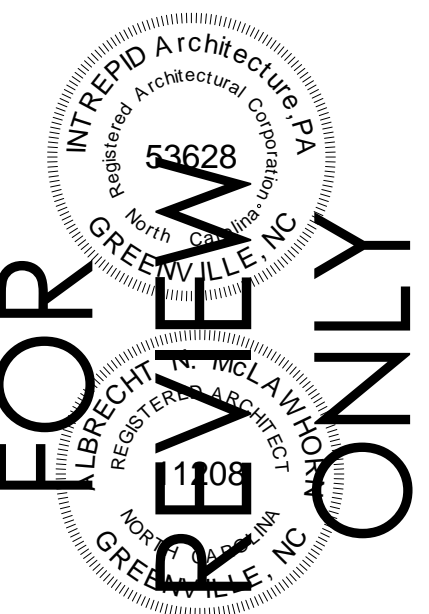
A0.03



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SHEET NAME & NUMBER

DEMO EXTERIOR ELEVATIONS

A0.04

DEMO KEY NOTES

D1 - REMEDIATE MOLD AND ABATE ALL HAZARDOUS MATERIALS THROUGHOUT THE BUILDING INCLUDING EXISTING INTERIOR AND EXTERIOR WALLS, FLOOR FINISHES, COMMERCIAL KITCHEN EQUIPMENT, CEILING TILES, DUCT WORK, INTERIOR DOORS, DOOR FRAMES ETC.

D2 - DEMOLISH AND ABATE ROTTEN, DAMAGED AND COLLAPSED AREAS OF THE GABLED ROOF SYSTEM. PREP FOR INSTALLATION OF NEW ROOF FRAMING IN SOME LOCATIONS AS SHOWN, AND NEW ASPHALT SHINGLE ROOFING SYSTEM THROUGHOUT AS SHOWN IN ROOF PLAN. (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INSTRUCTIONS AND PROVISIONS.)

D3 - DEMOLISH AND ABATE ROTTEN, DAMAGED, AND COLLAPSED AREAS OF ORIGINAL FLAT ROOF WOOD DECKING (BELOW GABLED ROOF). (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS.) REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.

D4 - DEMOLISH AND ABATE AS REQUIRED ANY EXISTING ROTTEN AND WATER-DAMAGED WOOD SILL PLATES AND ORIGINAL WOOD DECKING UNDER TRUSSES (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS). REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.

D5 - DEMOLISH SOFFIT PANELS AND FASCIA CLADDING AROUND PERIMETER OF BUILDING. PREP FOR INSTALLATION OF NEW PRE-FINISHED ALUMINUM VENTED SOFFIT PANELS AND PRE-FINISHED ALUMINUM FASCIA CLADDING.

D6 - REMOVE A PORTION OF THE ROOF SHEATHING AS SHOWN ON DEMOLITION ROOF PLANS TO ACCESS THE CONNECTIONS BETWEEN THE GABLE TRUSSES AND THE WALLS BELOW. REMOVE AND REPLACE ANY DAMAGED/ROTTEN WOOD BELOW (SEE DEMO KEY NOTE D4) AND PREP FOR INSTALLATION OF NEW HURRICANE TIES (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS). REFER TO SPECIFICATIONS SHEET FOR UNIT PRICES AND ALLOWANCES.

D7 - REMOVE PORTION OF DAMAGED ROOF SHEATHING AS REQUIRED. PREP FOR INSTALLATION OF NEW SHEATHING TO MATCH EXISTING ADJACENT. REFER TO SPECIFICATION SHEET FOR UNIT PRICE AND ALLOWANCES.

D8 - DEMOLISH AND ABATE EXISTING CEILING SYSTEM (REFER TO DEMO REFLECTED CEILING PLAN)

D9 - REMOVE AND DEMOLISH EXISTING GYMNASIUM LOUVERS AND PREP FOR INSTALLATION OF NEW LOUVERS AS SCHEDULED.

D10 - REMOVE, STORE, AND PROTECT THE EXISTING COMMERCIAL KITCHEN HOOD SYSTEM AND OTHER COMMERCIAL KITCHEN EQUIPMENT. NO WORK ON EQUIPMENT IS IN THIS CONTRACT. KITCHEN HOOD SHALL BE STORED WITHIN COMMERCIAL KITCHEN SPACE.

D11 - ALL EXISTING MASONRY WALLS TO REMAIN, UNO.

D12 - DEMO EXISTING WINDOW ASSEMBLIES, UNO. PREP FOR INSTALLATION OF NEW STOREFRONT AND GLASS SYSTEM.

D13 - DEMOLISH EXISTING ASPHALT SHINGLES, ROOF FELTS, ETC. PREP FOR INSTALLATION OF NEW ASPHALT ROOFING SYSTEM AS SPECIFIED.

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D18 - REMOVE EXISTING BATHROOM PARTITIONS AND RESTROOM ACCESSORIES

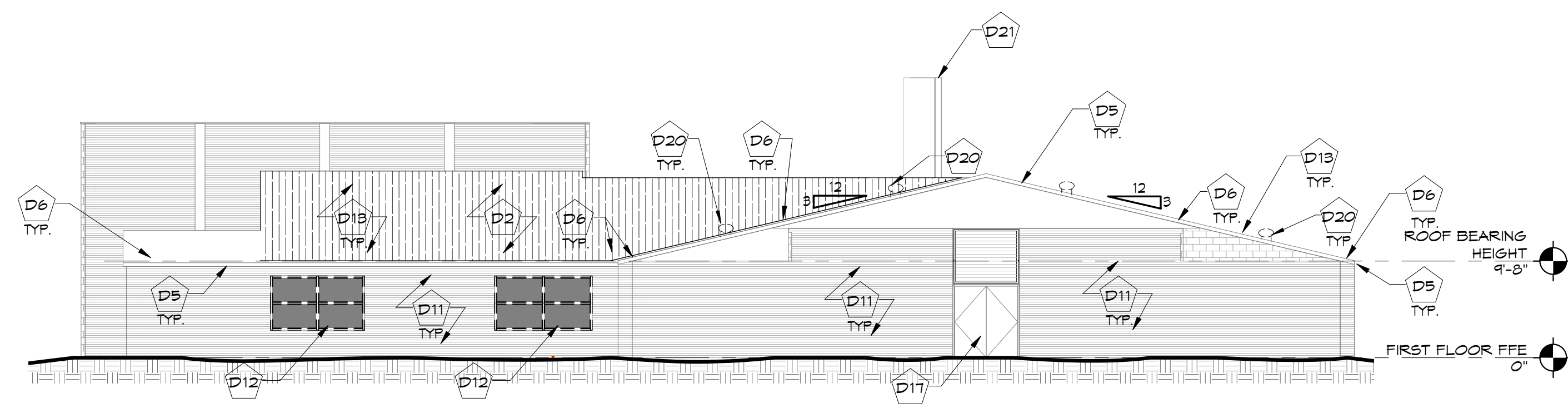
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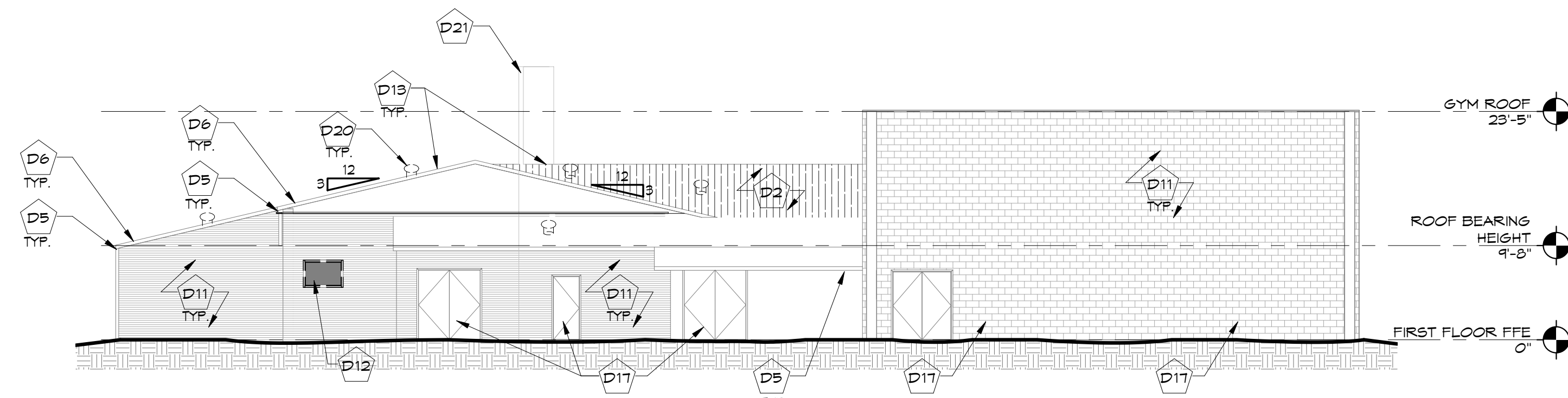
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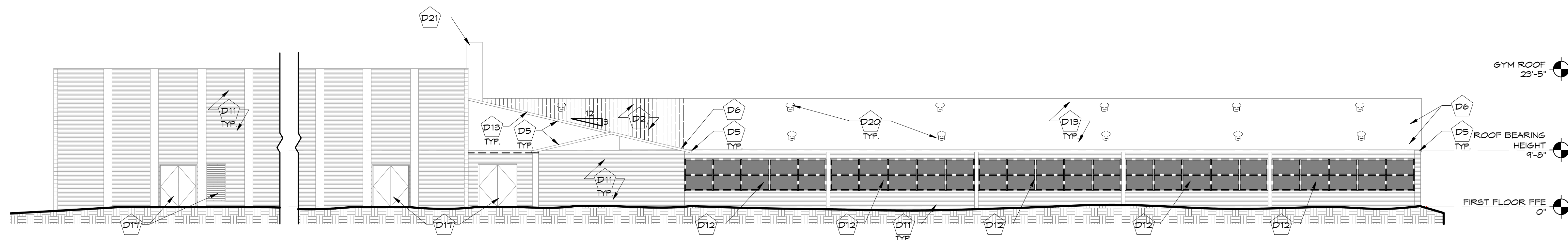
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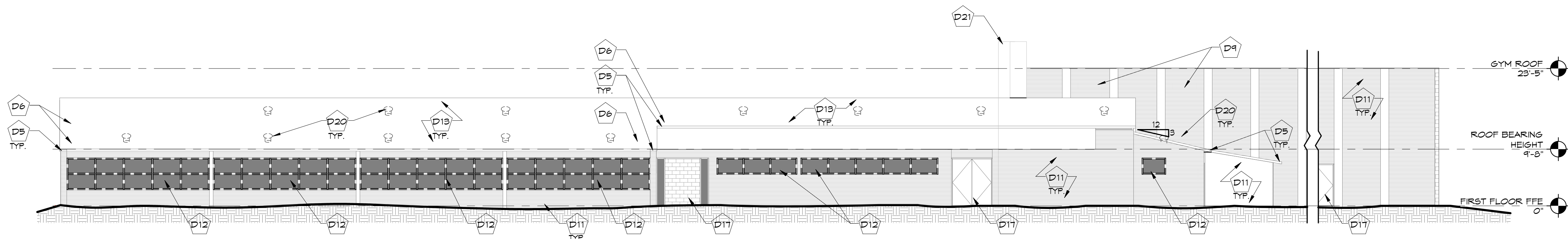
DEMO EXTERIOR ELEVATION 4
3/32" = 1'-0"



DEMO EXTERIOR ELEVATION 3
3/32" = 1'-0"



DEMO EXTERIOR ELEVATION 2
3/32" = 1'-0"



DEMO EXTERIOR ELEVATION 1
3/32" = 1'-0"



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PLAN KEY NOTES

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A2 - PROVIDE AND INSTALL NEW ROOF FRAMING ROOF TO MATCH THE EXISTING ROOF PROFILE. REF. DEMO DRAWINGS FOR EXTENT OF AREA TO BE REPLACED. (SEE STRUCTURAL DRAWINGS)

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A5 - WHEN ROOF IS STRUCTURALLY SOUND AND CLEAN, PROVIDE AND INSTALL TWO OFF-SET LAYERS OF ROOFING FELTS (SEE MANUFACTURER REQUIREMENTS FOR LOW-PITCHED ASPHALT SHINGLE ROOFING), AND ASPHALT SHINGLE ROOFING SYSTEM. ROOF FELT PATTERN AND FASTENING PATTERN OF SHINGLES TO MEET MANUF. REQ'S FOR REQUIRED ROOF WARRANTY. SEE SPECIFICATIONS SHEET FOR ADDITIONAL REQ'S.

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A8 - PROVIDE AND INSTALL NEW HURRICANE-RATED LOUVERS AND SILL PANS WITH END DAMS (REFER TO OPENING SCHEDULE FOR SIZE, DETAIL, AND CONSTRUCTION).

A9 - PROVIDE AND INSTALL CONTINUOUS RIDGE VENT

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A11 - PROVIDE AND INSTALL NEW STOREFRONT UNO.

A12 - PROVIDE AND INSTALL NEW ALUM. STOREFRONT FRAMING & GLASS SYSTEM AS SCHEDULED.

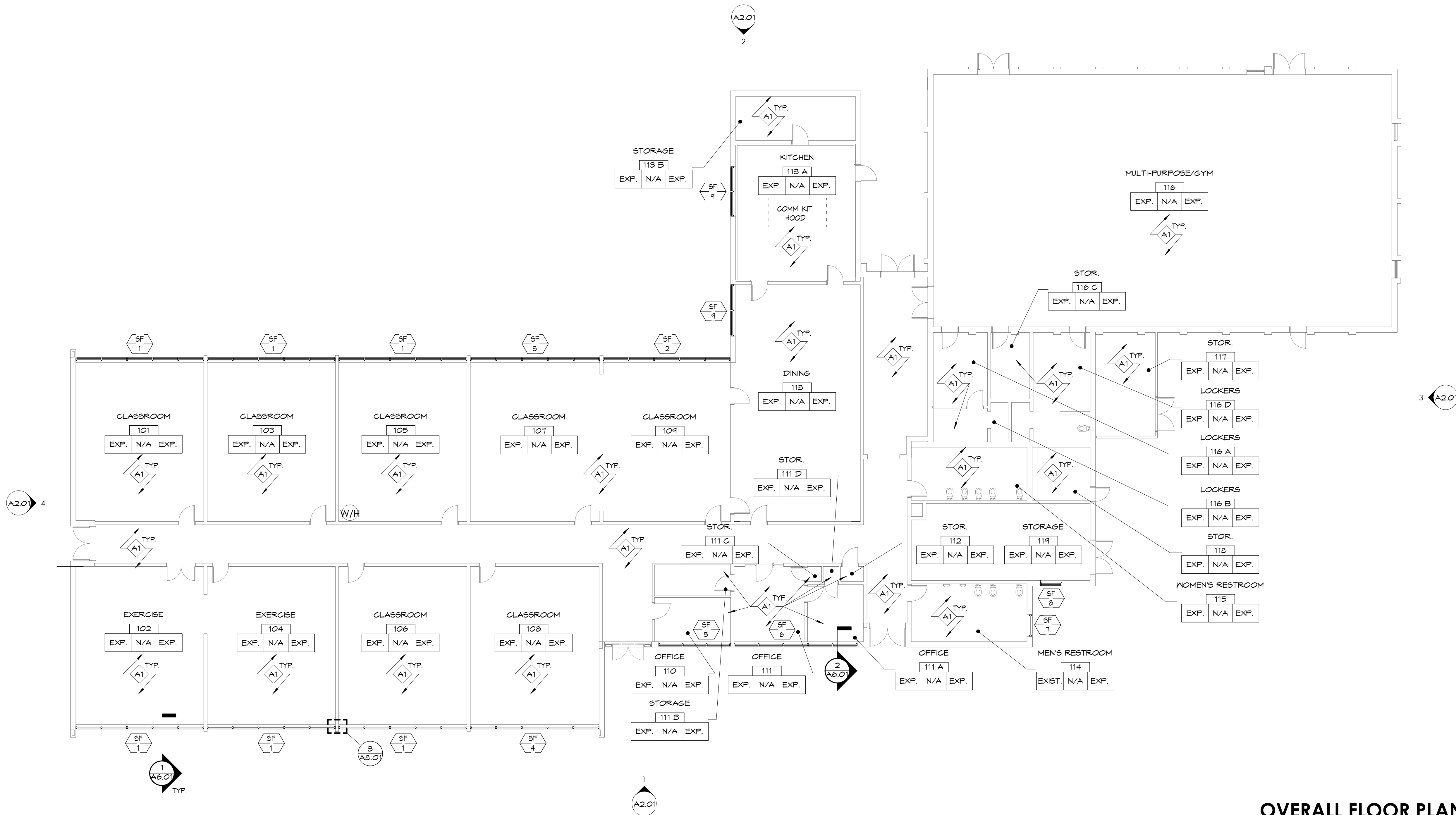
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FINISH TAG LEGEND

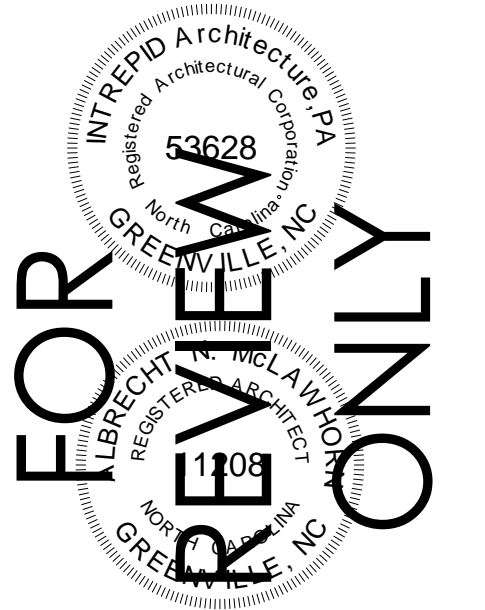
N/A - NO NEW WORK FOR SCOPE IDENTIFIED.

EXP. - EXISTING FINISH WAS BEEN REMOVED IF APPLICABLE, ABATED, MOLD REMEDIATED, AND CLEANED.

EXIST. - EXISTING FINISH TO REMAIN, REMEDIATE MOLD AND CLEAN AS REQ'D.



OVERALL FLOOR PLAN ①
3/32" = 1'-0"



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SHEET NAME & NUMBER
OVERALL FLOOR PLAN

A1.01



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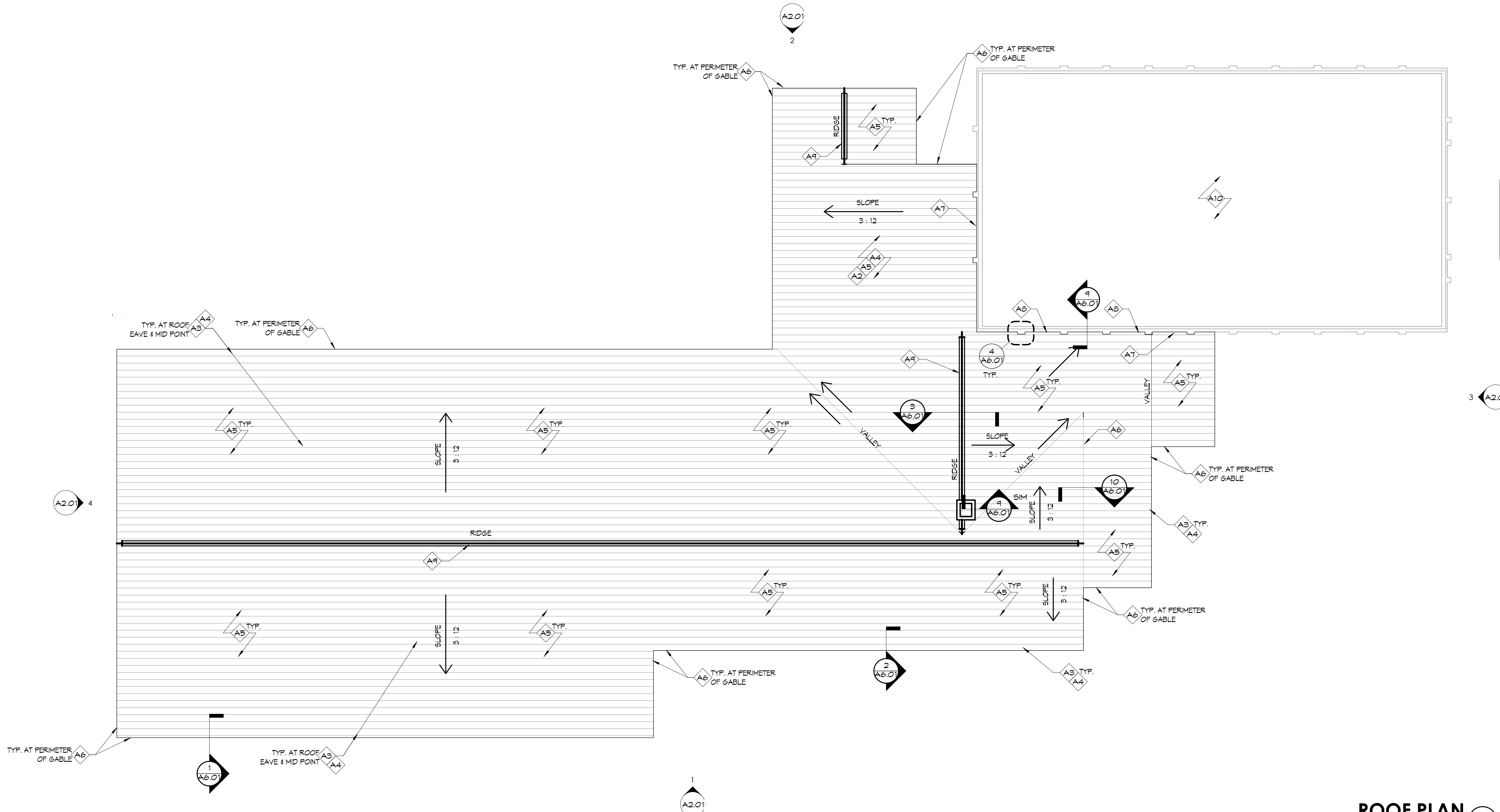
PLAN KEY NOTES

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- A9** – PROVIDE AND INSTALL CONTINUOUS RIDGE VENT
- A10** – EXISTING FLAT MEMBRANE ROOF SYSTEM TO REMAIN, NO WORK.
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- A12** - PROVIDE AND INSTALL NEW ALUM. STOREFRONT FRAMING & GLASS SYSTEM AS SCHEDULED.

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GENERAL ROOF NOTES

1. REF. 10/A6.01 FOR TYP. VENT THROUGH ROOF DETAIL.
2. REF. 8/A6.01 FOR TYPICAL RIDGE VENT DETAIL



ROOF PLAN ①
3/32" = 1'-0"



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SHEET NAME & NUMBER
ROOF PLAN

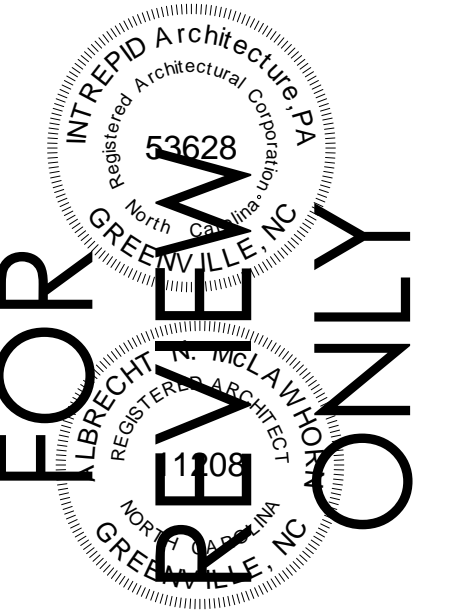
A1.02



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**PROPOSED EXTERIOR
ELEVATIONS**

A2.01

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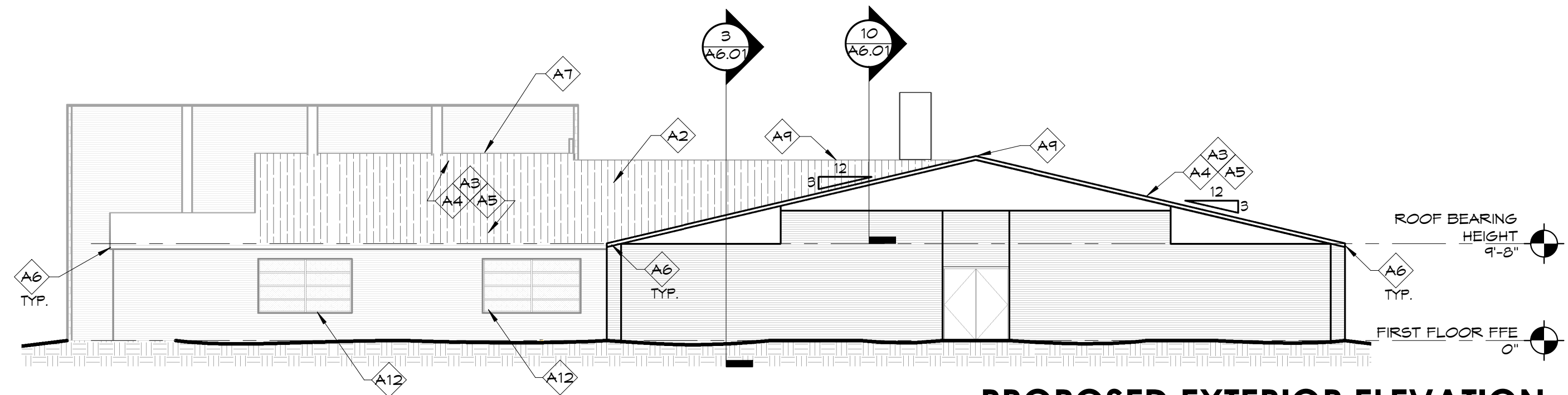
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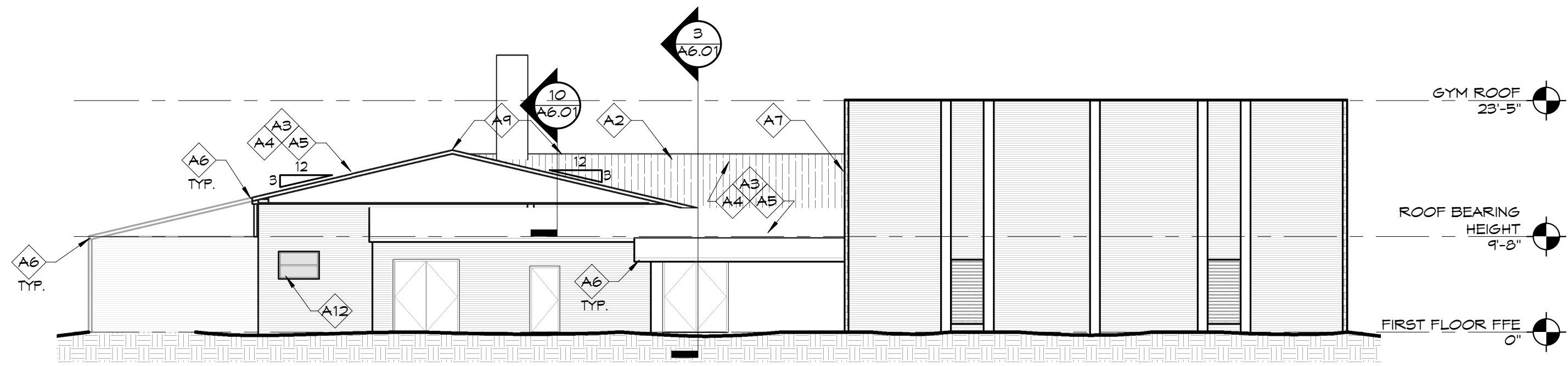
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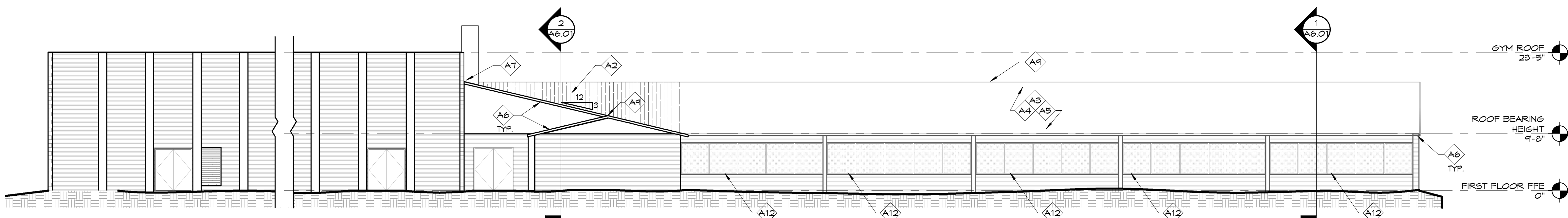
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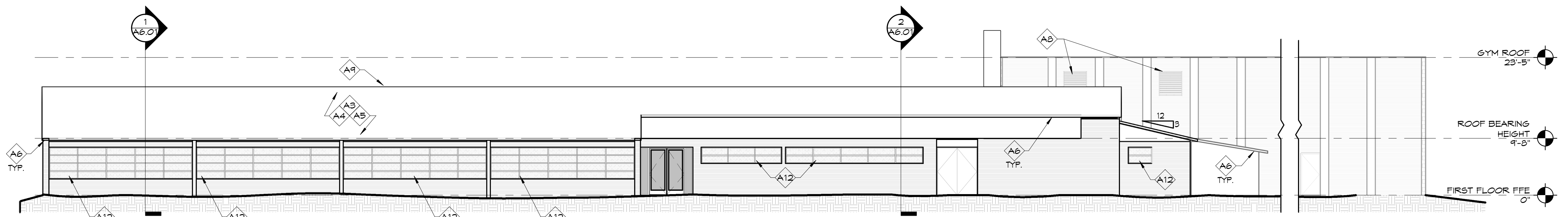
PROPOSED EXTERIOR ELEVATION 4
3/32" = 1'-0"



PROPOSED EXTERIOR ELEVATION 3
3/32" = 1'-0"



PROPOSED EXTERIOR ELEVATION 2
3/32" = 1'-0"



PROPOSED EXTERIOR ELEVATION 1
3/32" = 1'-0"



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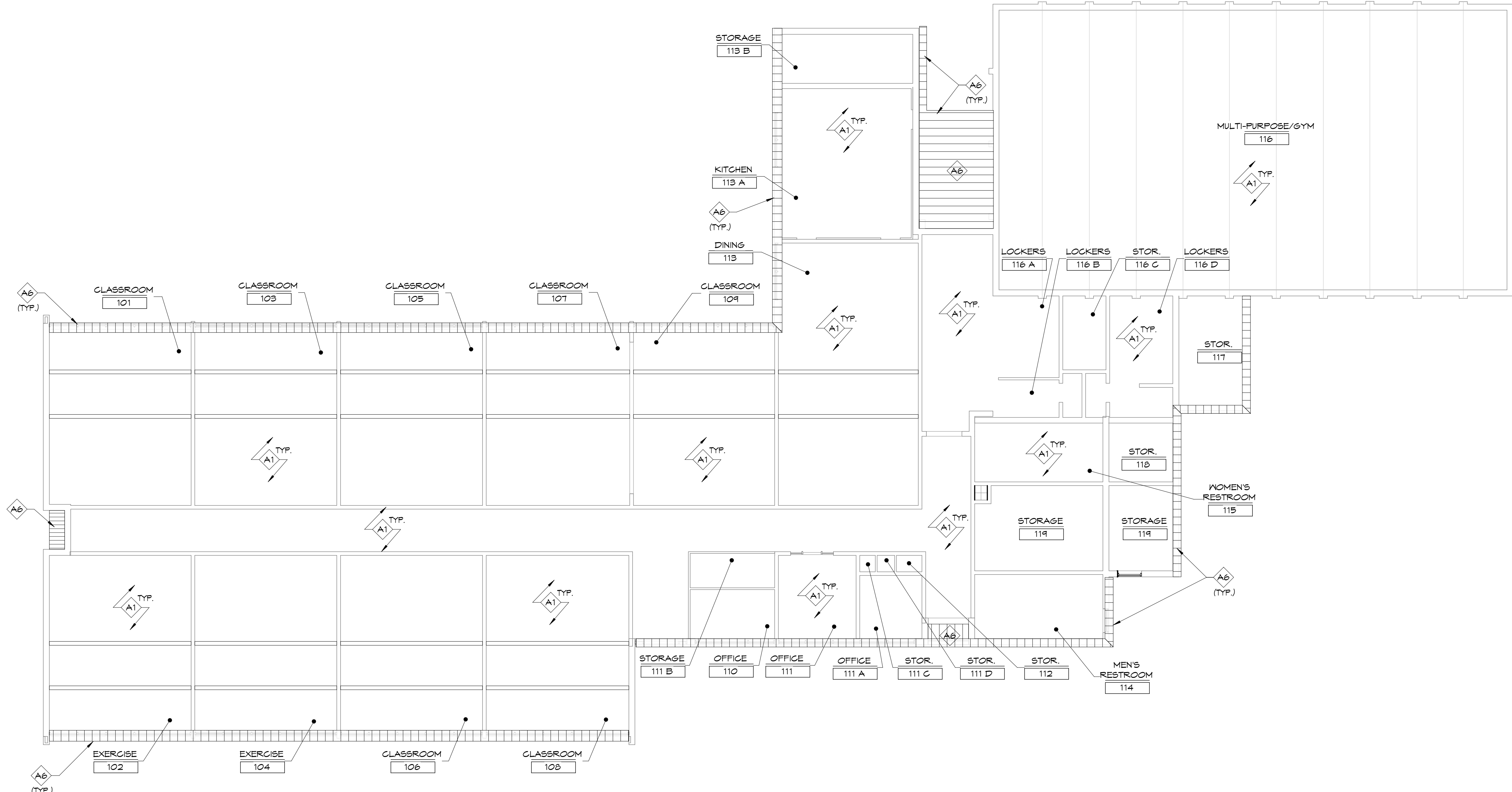
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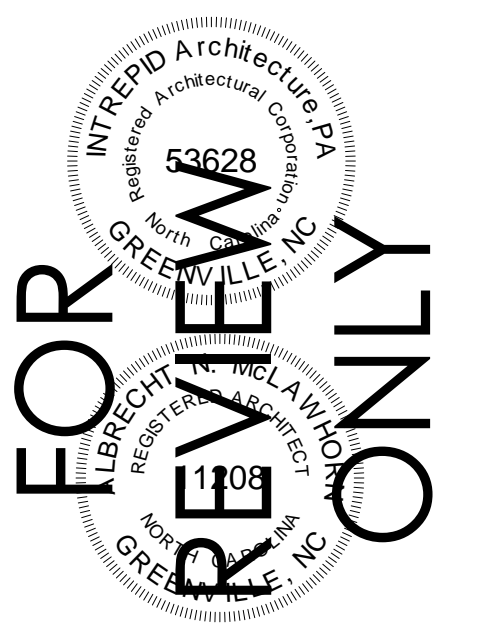
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PROPOSED REFLECTED CEILING PLAN ①
3/32" = 1'-0"



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PROPOSED RCP

A5.01



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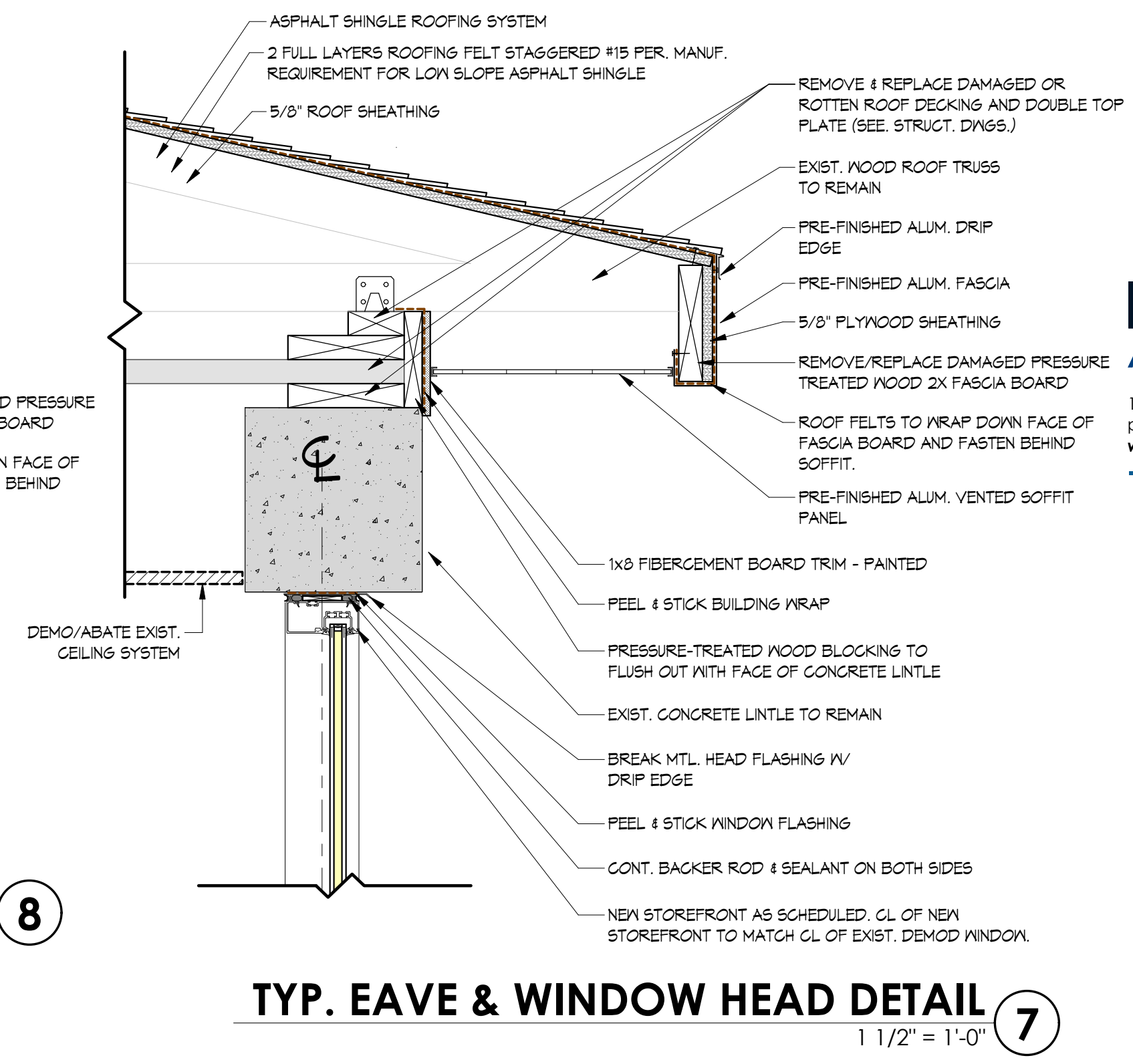
#	DESC.	DATE

DRAWN BY: Author
PROJECT #: 20014
ISSUE DATE: 07/11/23

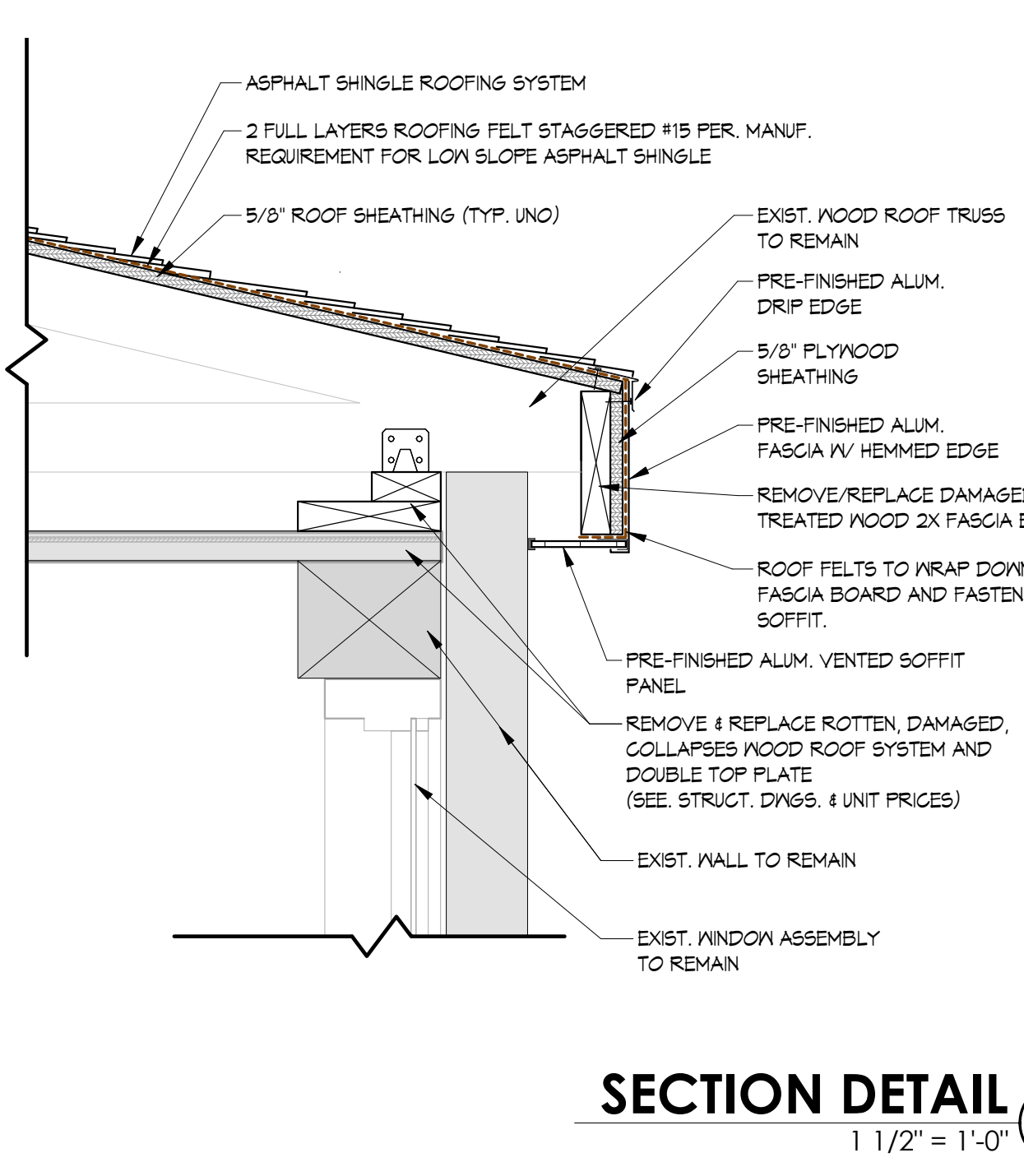
PHASE:
100% CONSTRUCTION DOCUMENTS
SHEET NAME & NUMBER

WALL SECTIONS & DETAILS

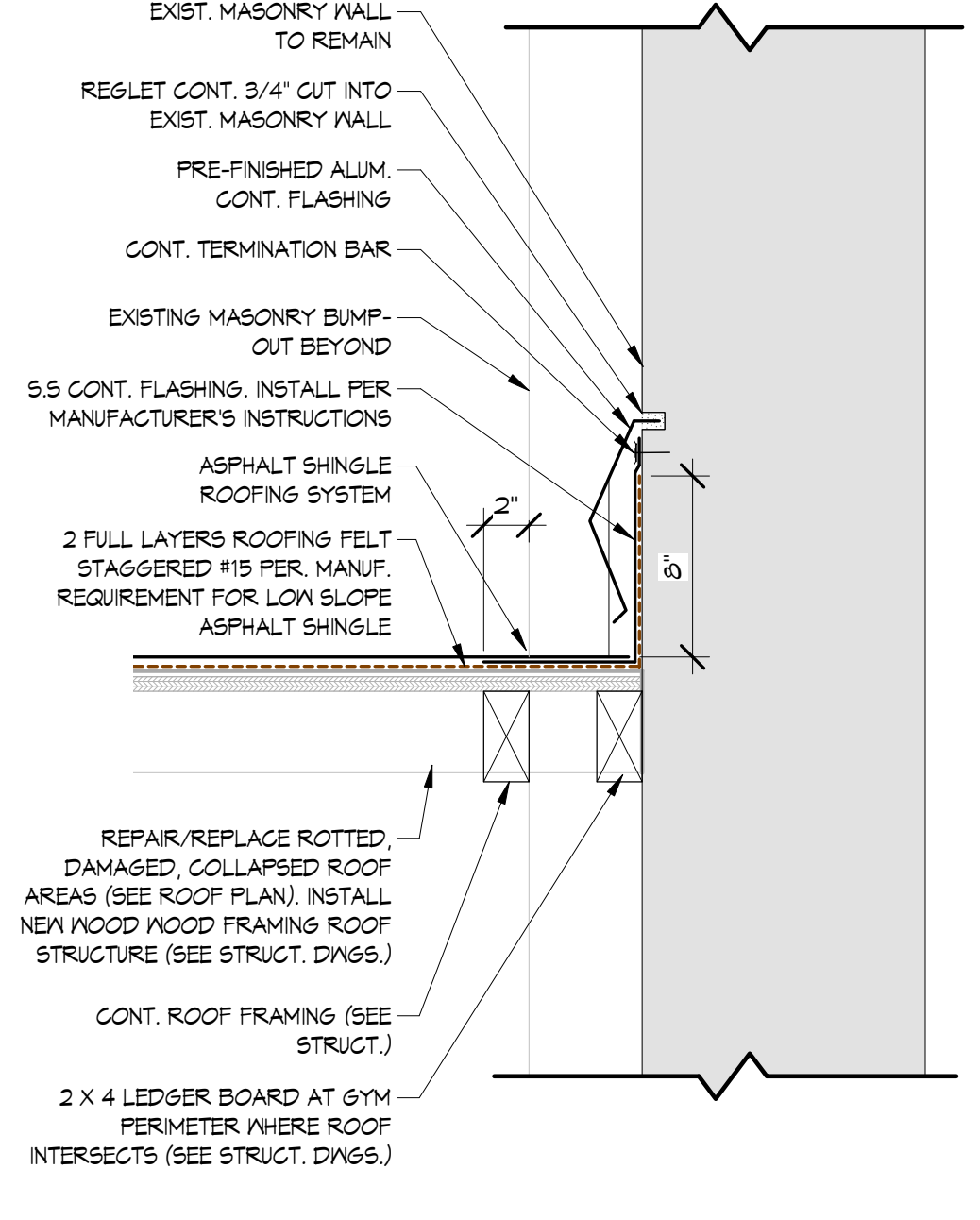
A6.01



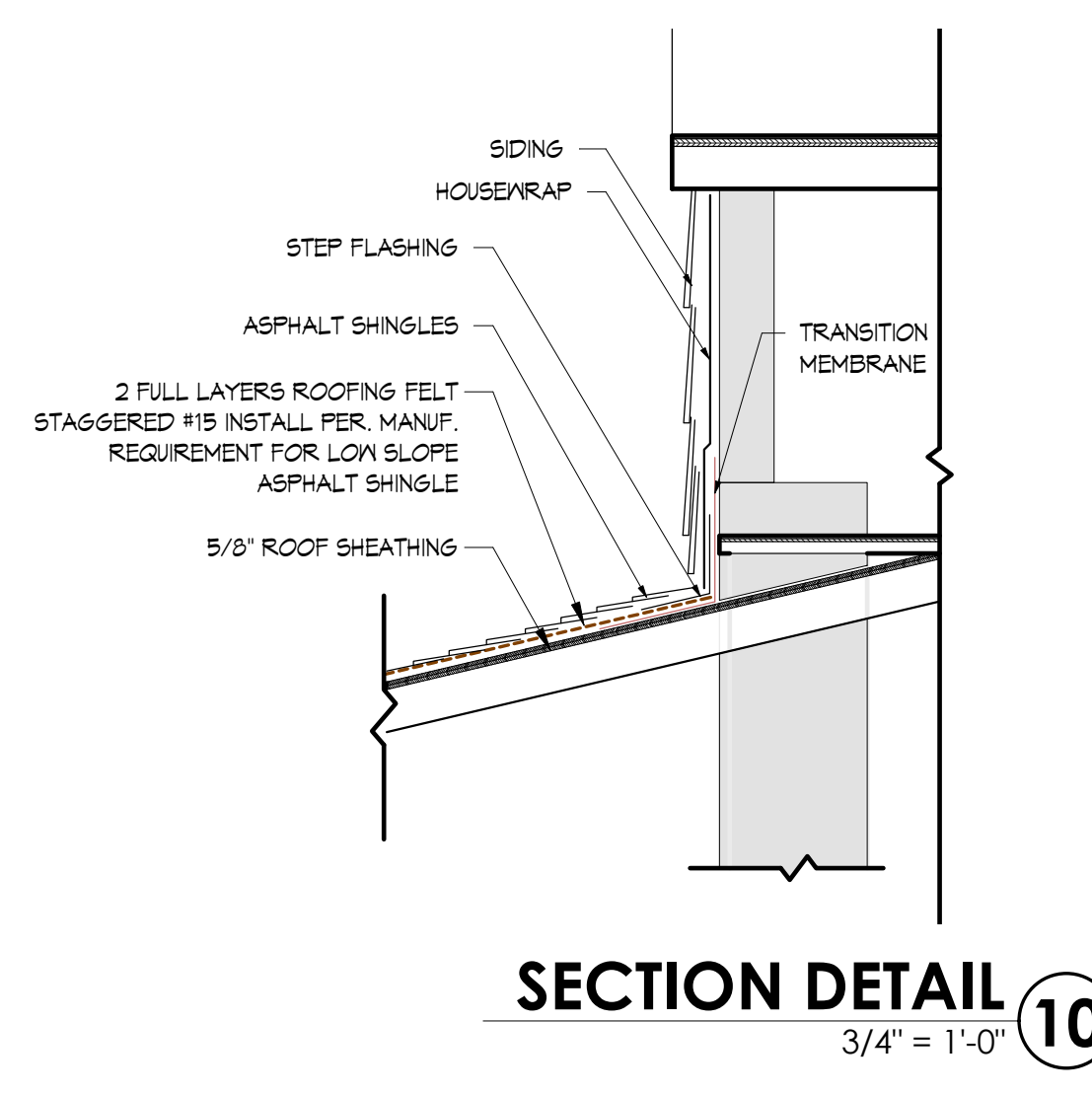
TYP. EAVE & WINDOW HEAD DETAIL 7
1 1/2" = 1'-0"



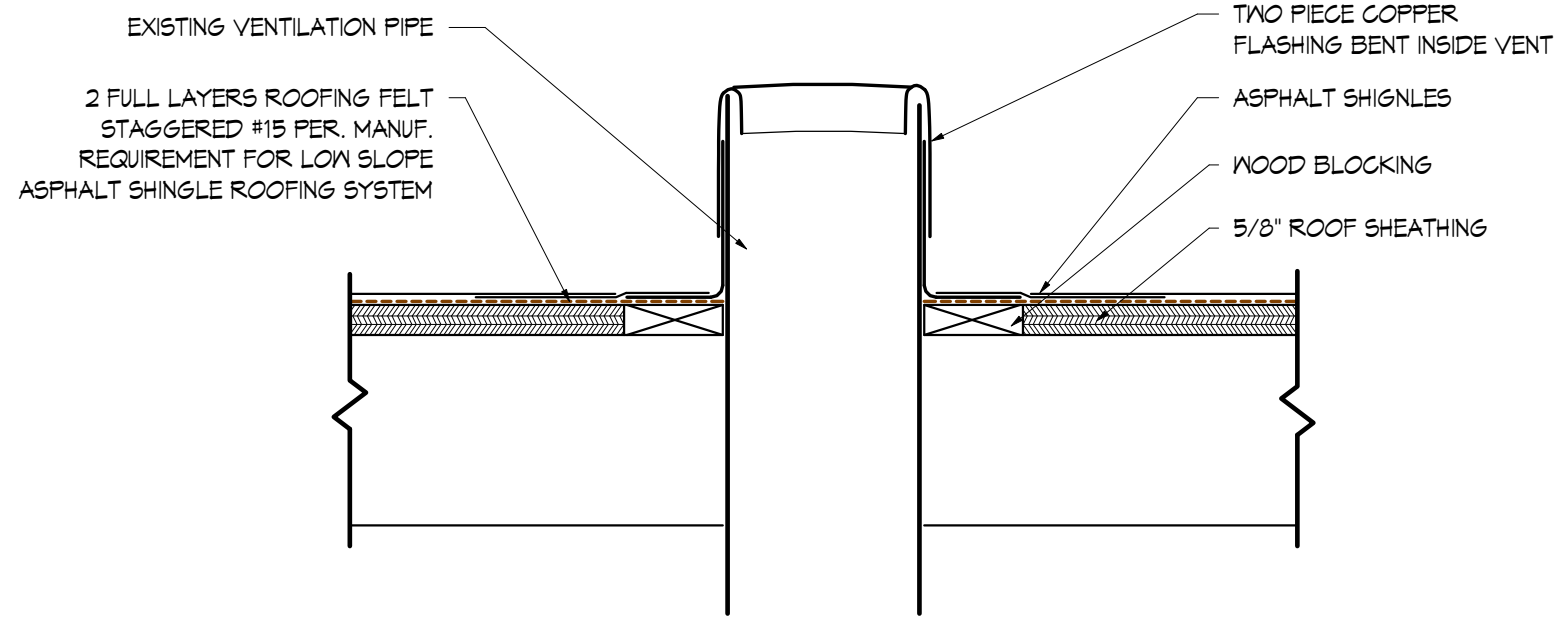
SECTION DETAIL 8
1 1/2" = 1'-0"



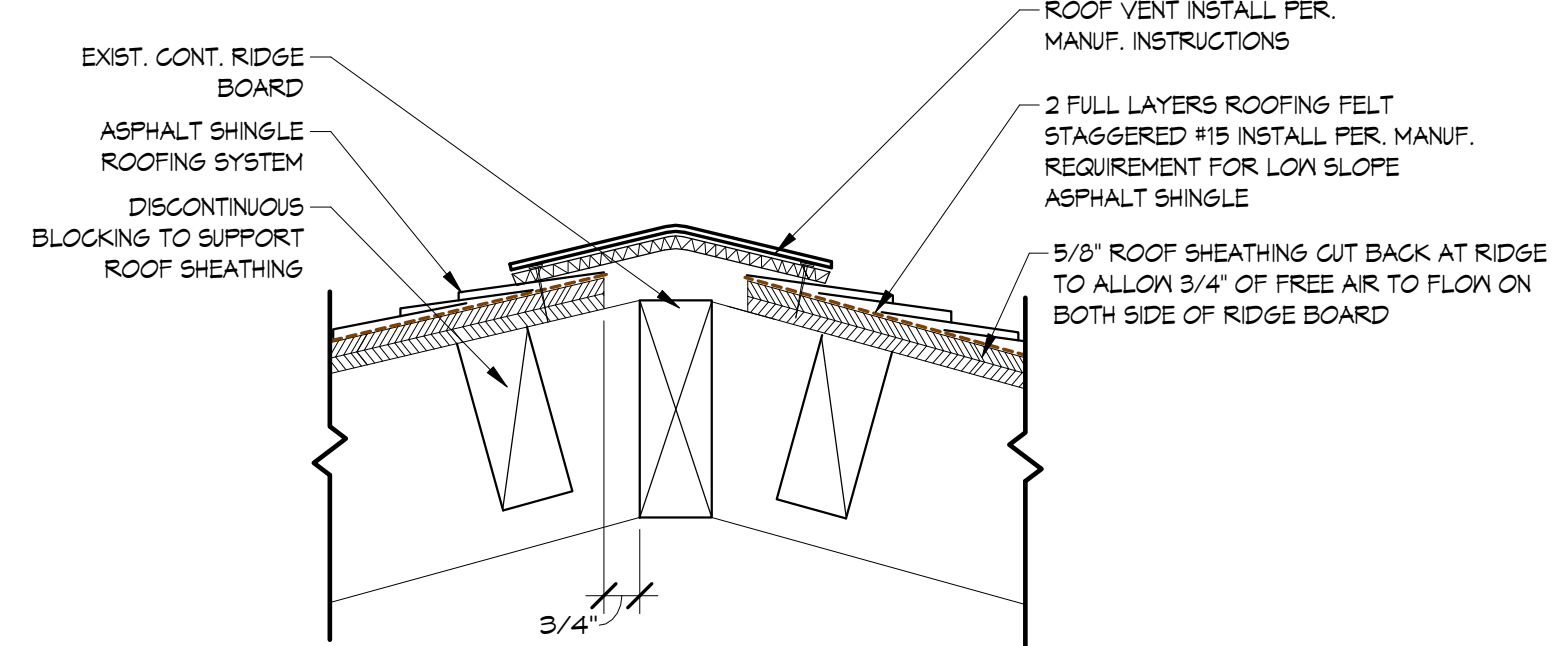
FLASHING DETAIL 9
1 1/2" = 1'-0"



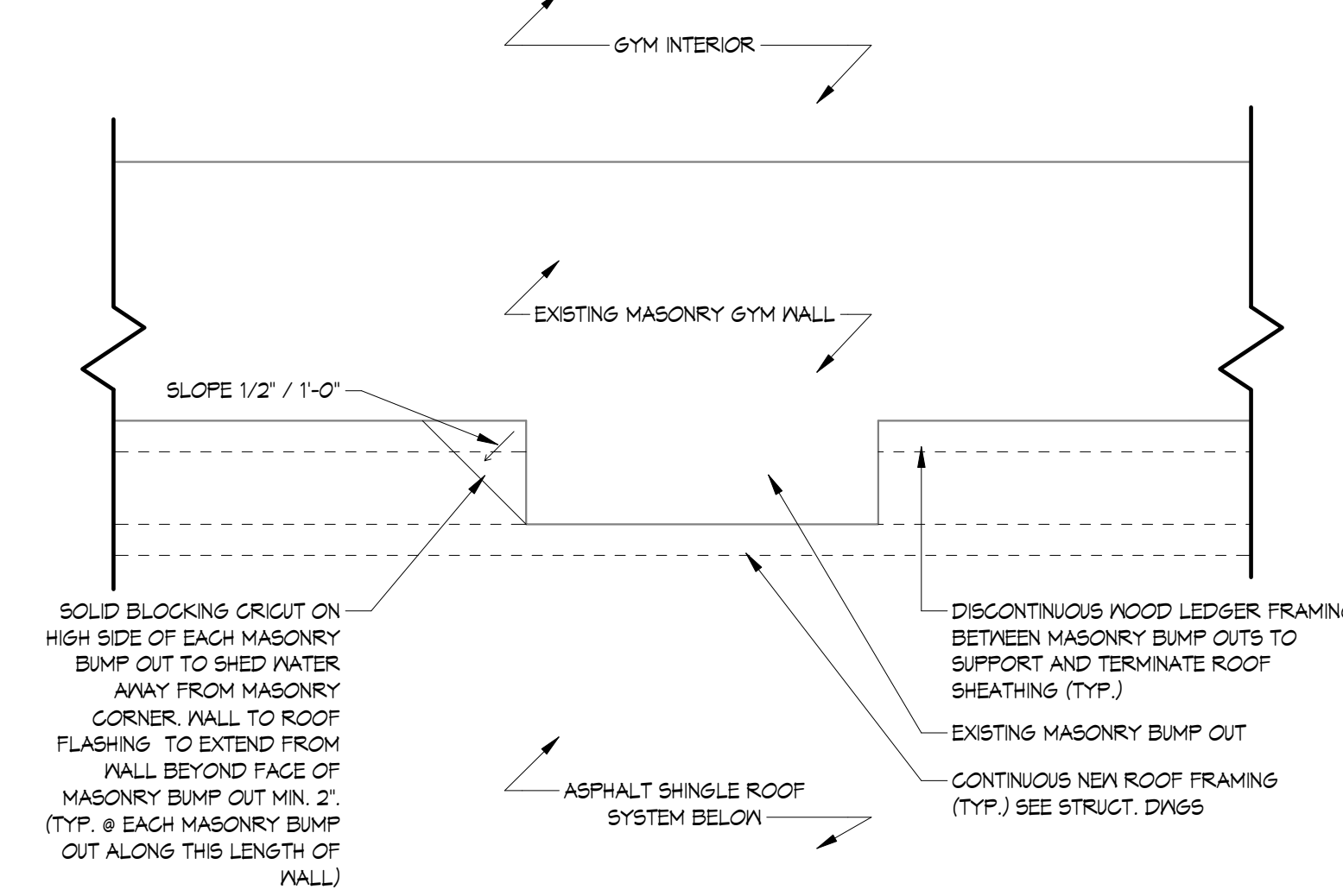
SECTION DETAIL 10
3/4" = 1'-0"



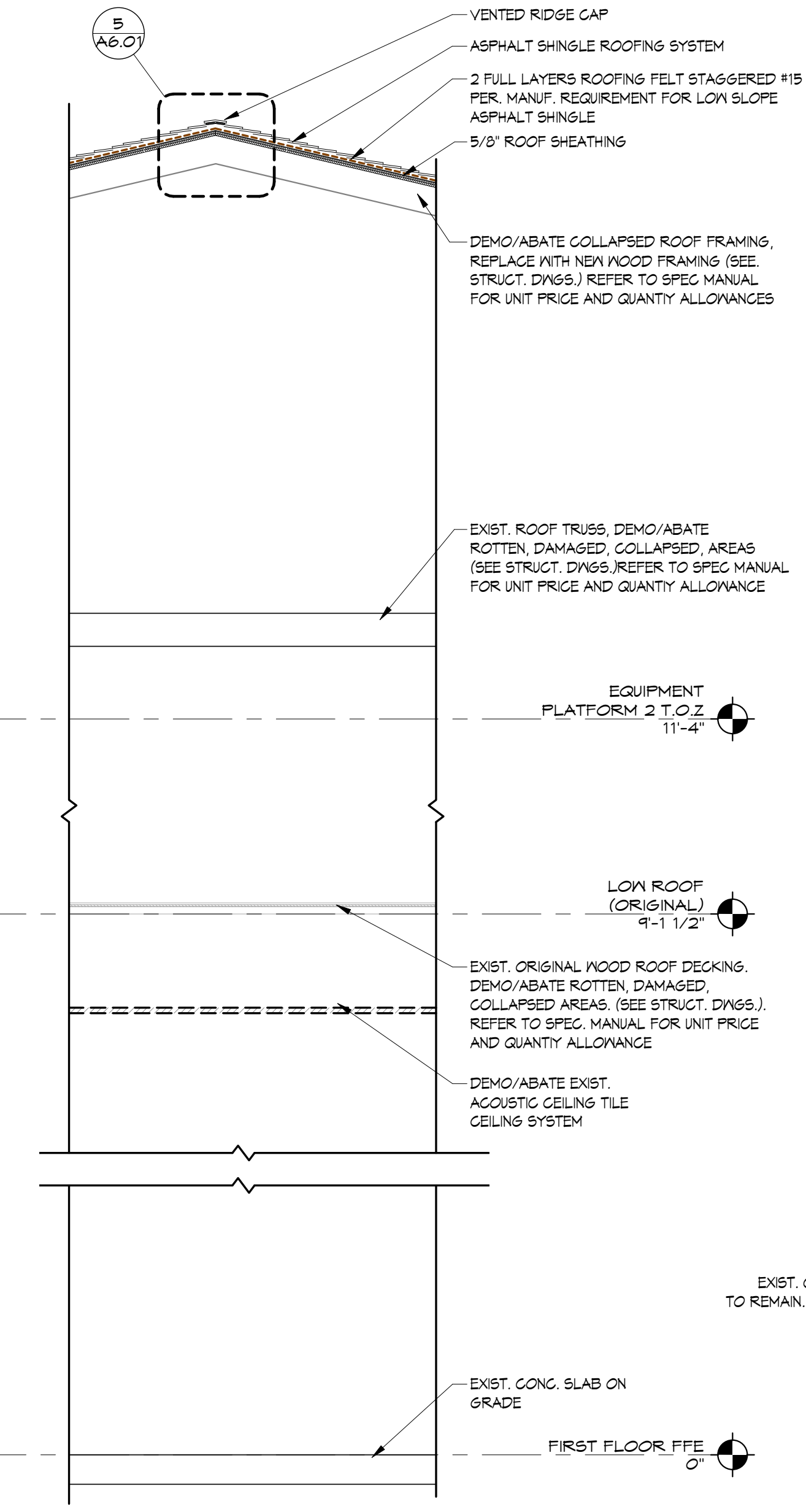
TYP. VENT THROUGH ROOF DETAIL
3" = 1'-0"



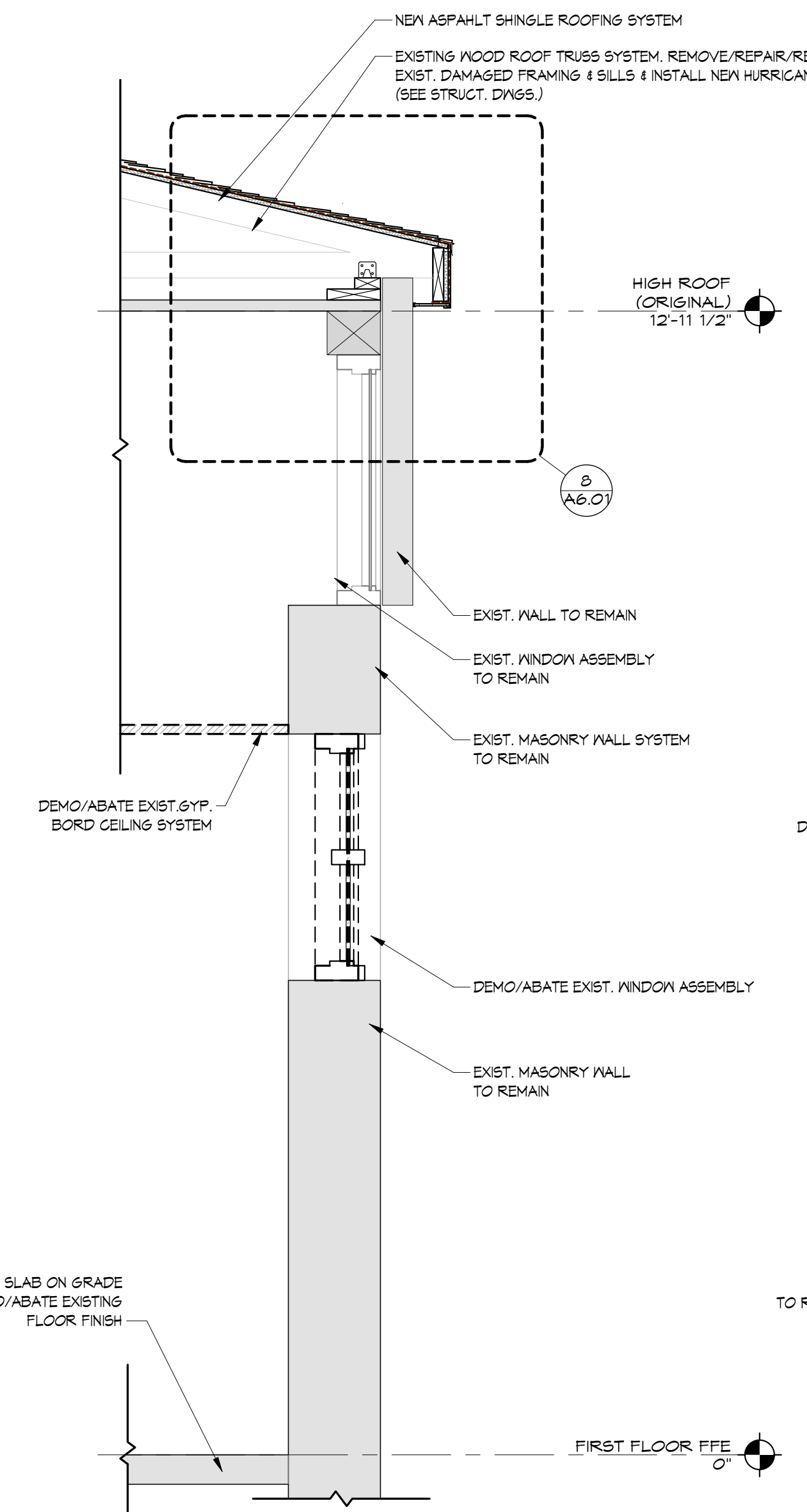
TYP. RIDGE VENT DETAIL 5
3" = 1'-0"



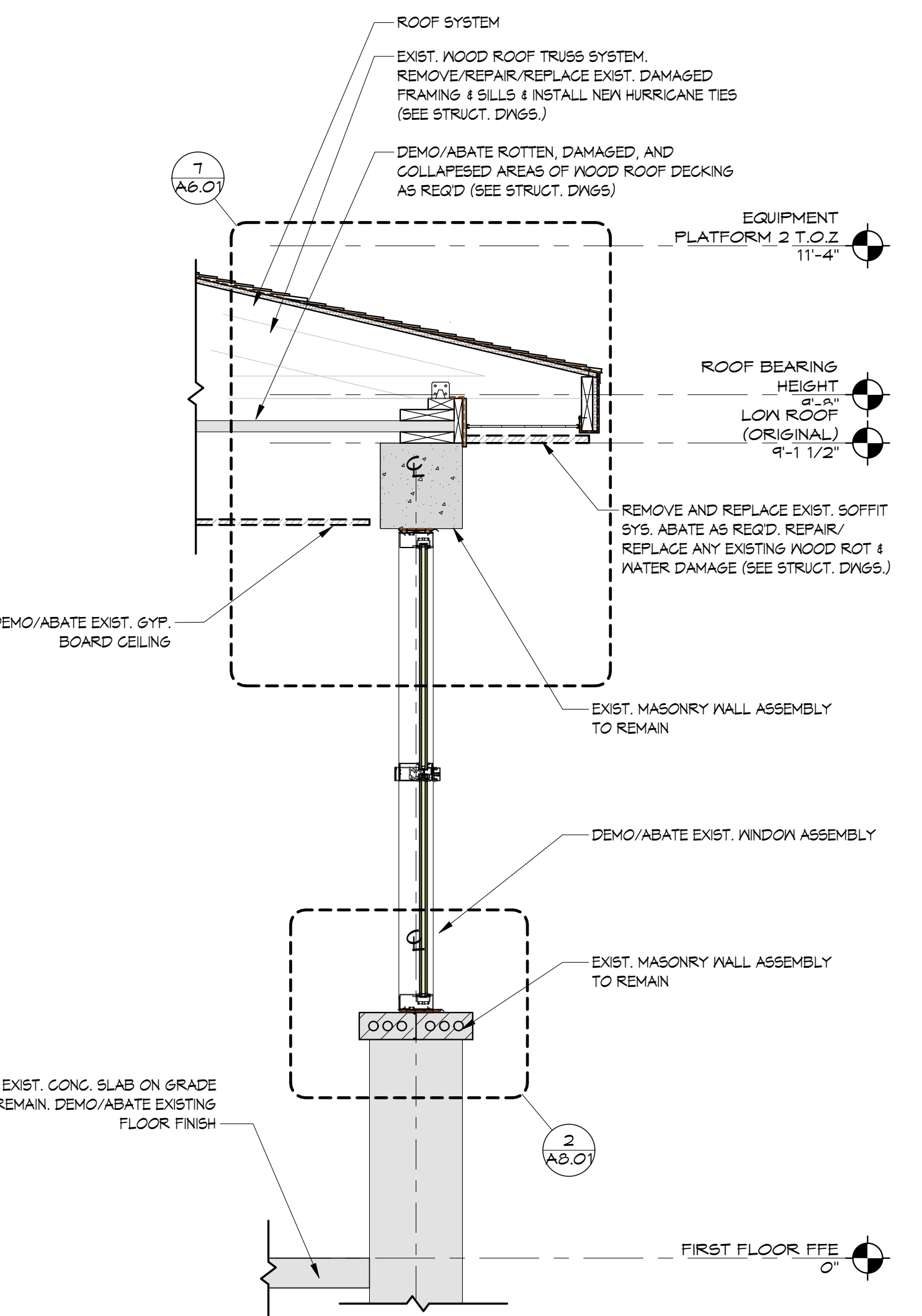
PLAN DETAIL 4
1 1/2" = 1'-0"



WALL SECTION 3
3/4" = 1'-0"



WALL SECTION 2
3/4" = 1'-0"



TYP. WALL SECTION 1
3/4" = 1'-0"



INTREPID ARCHITECTURE

114 E. 3RD STREET, GREENVILLE, NC 27858
P: 1.252.270.5330
WWW.INTREPIDARCHITECTURE.COM

DAVIS VENTURES COMMUNITY CENTER
ROOF & BUILDING REPAIRS
33560 US-264 (BEHIND)
ENGLEHARD, NC 27824

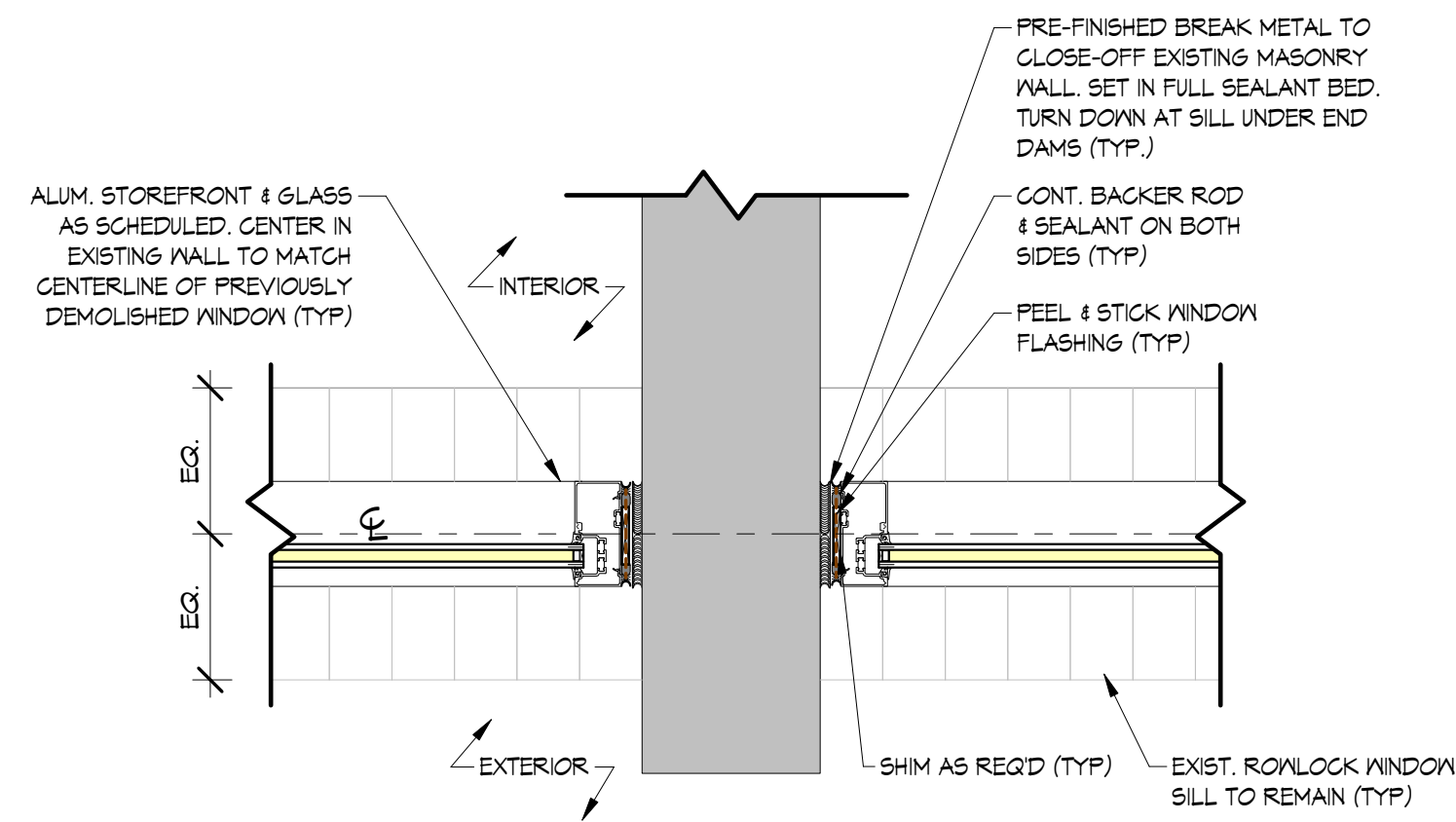
TYPE/TAG	DIMENSION	MATERIAL	FINISH	DETAILS			GLAZING TYPE	FIRE RATING	REMARKS
				HEAD	SILL	JAMB			
SF1	5'-5" (+/-) X 24'-3 3/4" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF2	5'-5" (+/-) X 24'-1 13/16" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF3	5'-5" (+/-) X 24'-1" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF4	5'-5" (+/-) X 24'-5 5/8" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF5	2'-9 1/2" (+/-) X 13'-8" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF6	2'-9 1/2" (+/-) X 23'-5" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF7	2'-9 1/2" (+/-) X 4'-1" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G2		REMOVE BOARD ON INSIDE
SF8	2'-9 1/2" (+/-) X 4'-1" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		
SF9	5'-5" (+/-) X 9'-5" (+/-)	ALUM	PT	3/A6.01	9/A6.01	10/A6.01	G1		

GLAZING SCHEDULE

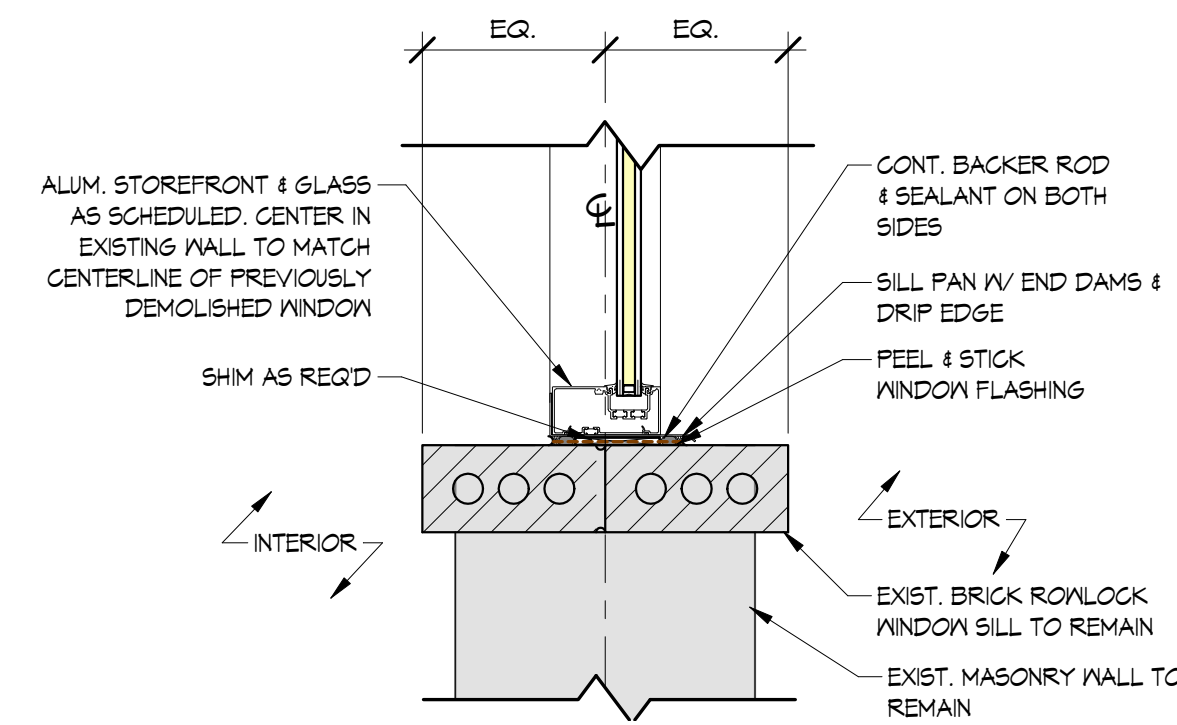
G1	ULTRA CLEAR 1" TEMPERED INSULATED LOW-E GLASS
G2	ULTRA CLEAR 1" TEMPERED INSULATED SPANDREL GLASS UNIT SPANDREL COATING ON INSIDE PANE, OUTSIDE SURFACE OF IGU.

DOOR/OPENINGS GENERAL NOTES:

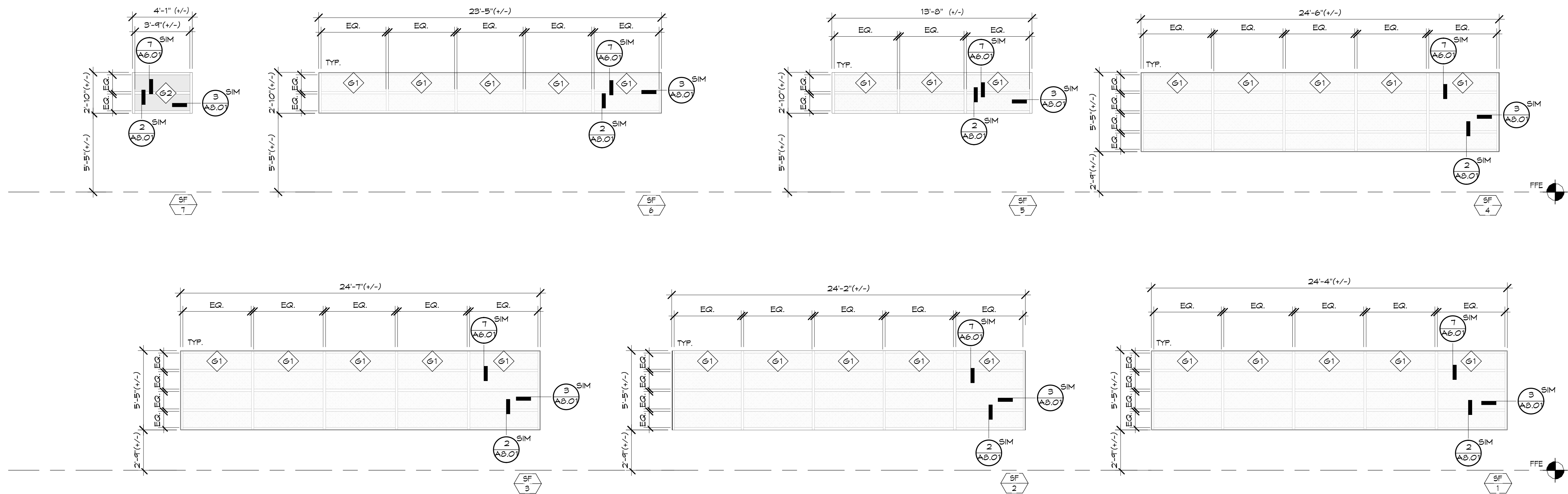
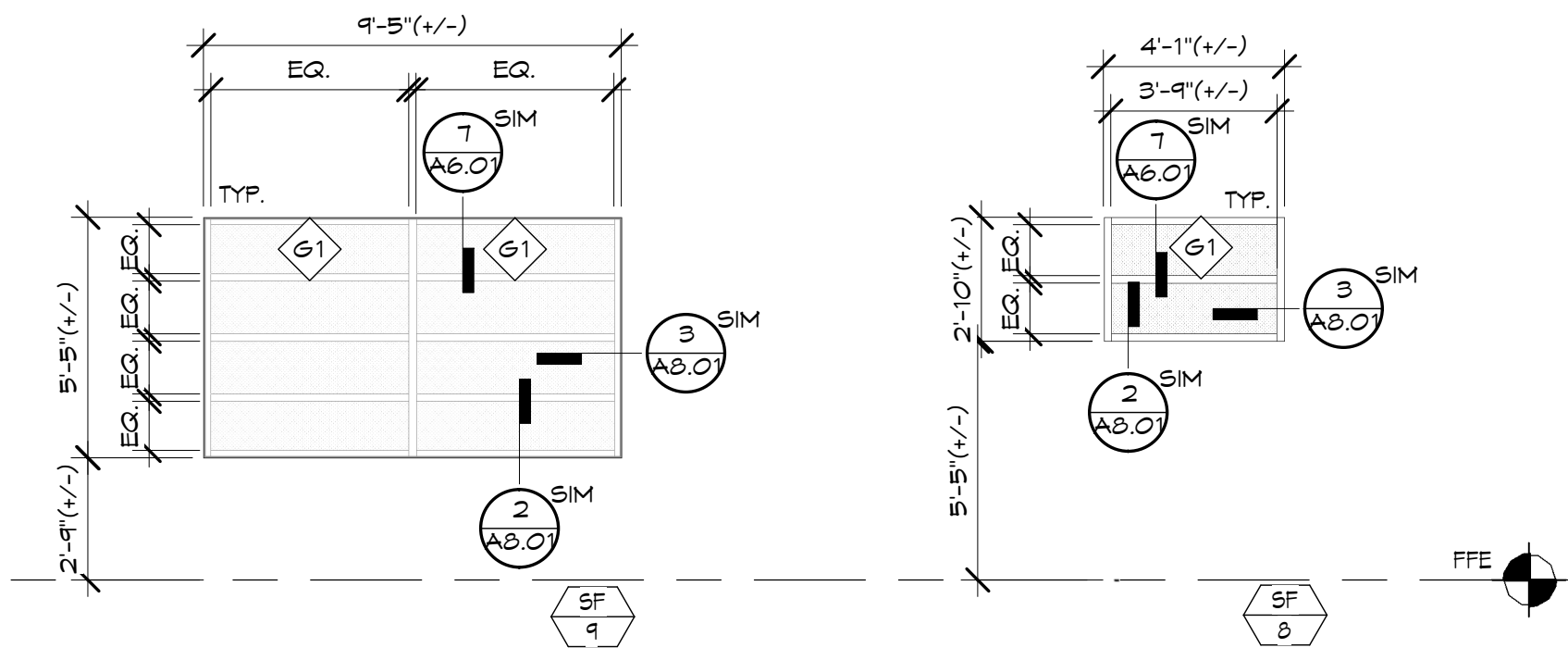
- GC TO FIELD VERIFY ALL OPENINGS PRIOR TO FRAME ORDERING AND FABRICATION.
- "SF" TAGS INDICATES EXTERIOR STOREFRONT FRAMES - REFER TO PLANS FOR LOCATIONS, FRAME ELEVATIONS FOR DIMENSIONS, GLAZING TAGS, ETC.



TYP. JAMB DETAIL 3
1 1/2" = 1'-0"



TYP. SILL DETAIL 2
1 1/2" = 1'-0"



FRAME ELEVATIONS 1
1/4" = 1'-0"



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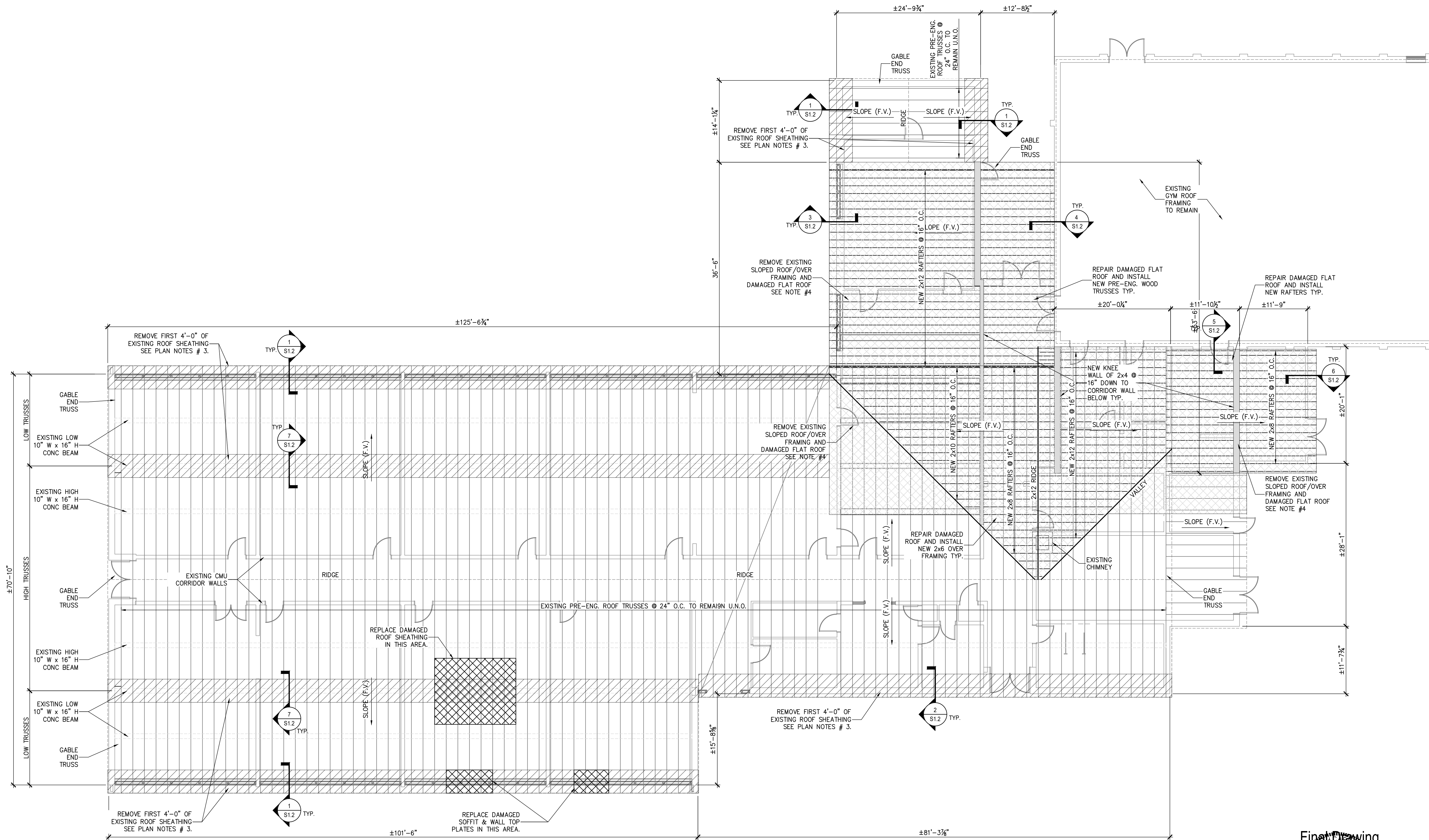
#	DESC.	DATE

DRAWN BY: DJH/JO
PROJECT #: 20014
ISSUE DATE: 07/07/23
PHASE:
100% CONSTRUCTION DOCUMENTS
SHEET NAME & NUMBER
FRAME ELEVATIONS & SCHEDULES

A8.01

**DAVIS VENTURES
COMMUNITY CENTER**
HYDE COUNTY NC

33460 US-264
ENGLEHARD, NC 27824



PARTIAL ROOF FRAMING PLAN
1/8" = 1'-0"

- ROOF FRAMING PLAN NOTES:**
- SEE SHEET S1.2 FOR DESIGN CRITERIA, GENERAL STRUCTURAL NOTES AND SCHEDULES.
 - ALL BUILDING DIMENSIONS ARE FROM FACE TO FACE OF STUD WALLS, U.N.O.
 - REMOVE FIRST 4'-0" OF ROOF SHEATHING TO EXPOSE TRUSS ENDS FOR INSTALLATION OF NEW HURRICANE TIES AT EA. TRUSS, U.N.O. AND REINSTALL ROOF SHEATHING TO MATCH EXISTING.
 - REMOVE EXISTING SLOPED ROOF OVER FRAMING AND DAMAGED FLAT ROOF (ORIGINAL ROOF) WOOD FRAMING IN THESE AREAS. REPAIR ORIGINAL ROOF, AND INSTALL NEW FRAMING AS SHOWN ON PLAN, TO MATCH EXISTING.
 - ± DENOTES FIELD VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 - U.N.O. DENOTES UNLESS NOTED OTHERWISE.

REVISIONS	



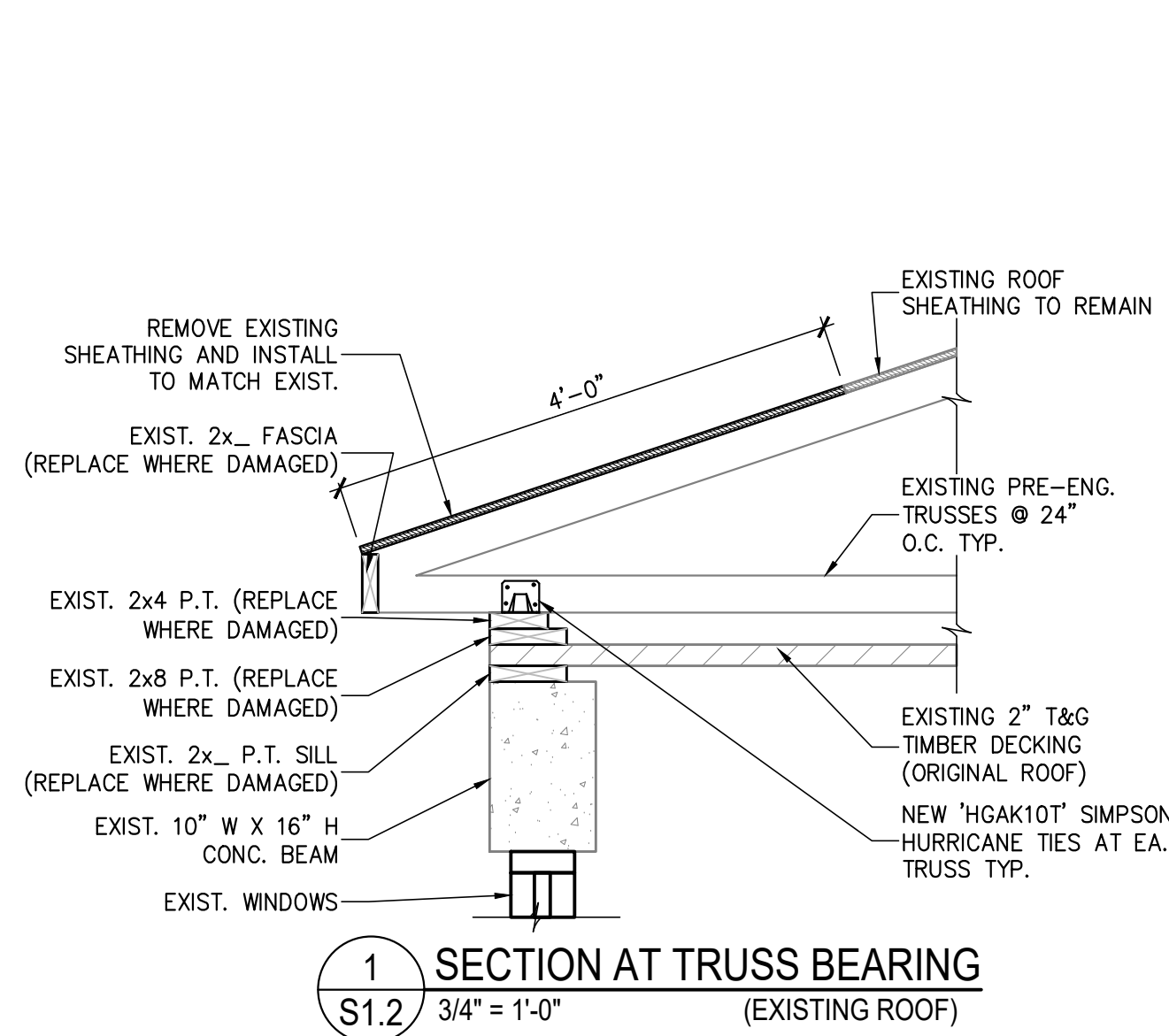
RPA ENGINEERING, P.A.
Structural Engineering Solutions
Engineering License Certificate No. C-2734
102 Regency Blvd. Phone: 252-321-6027
Suite A1 Fax: 252-355-2179
Greenville, NC 27834
RPA Project No.: 2022449

DRAWN BY: **GBP**
PROJECT #: **21014**
ISSUE DATE: **03-31-2023**

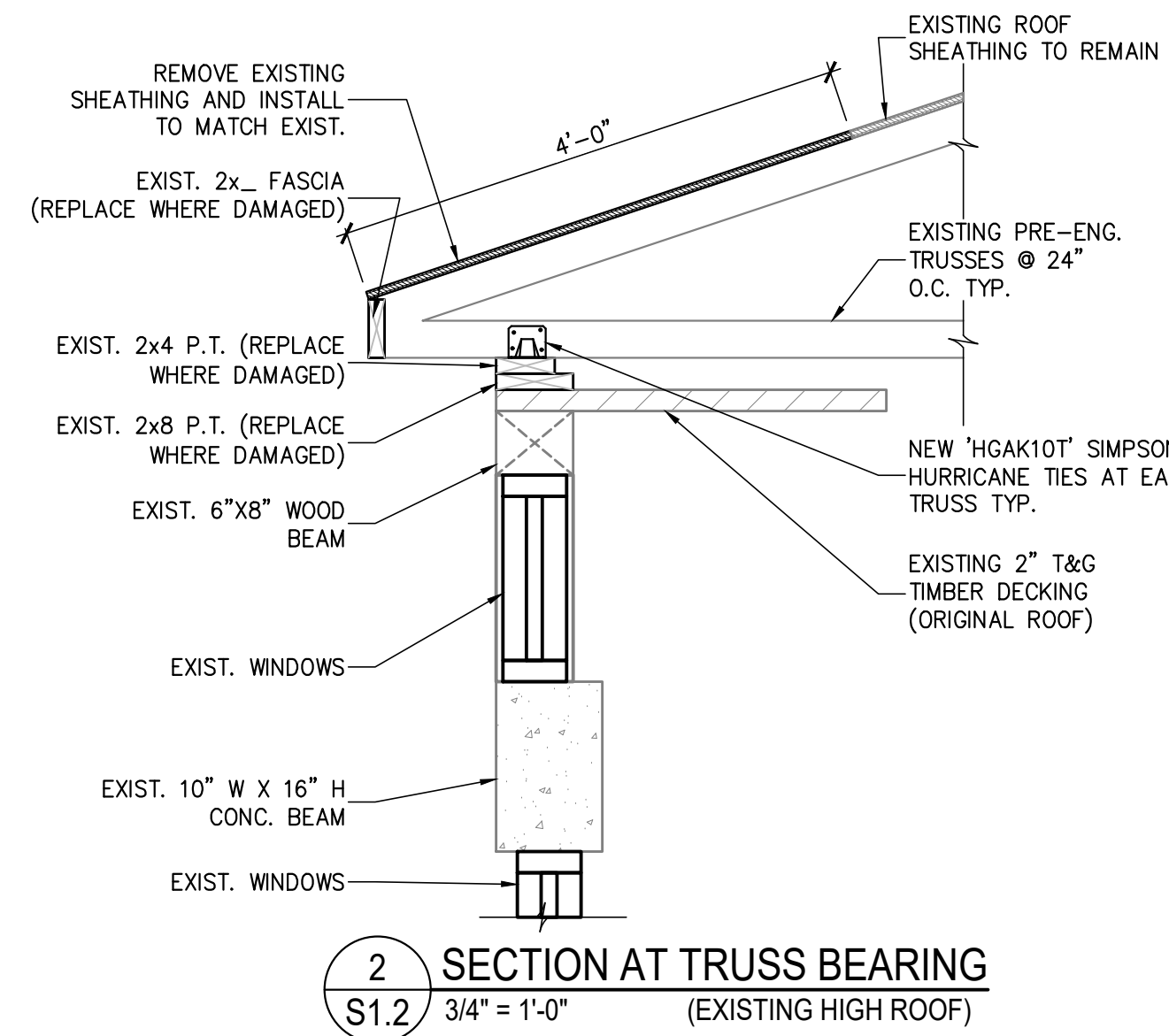
PHASE:
75% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER
ROOF FRAMING PLAN & PLAN NOTES

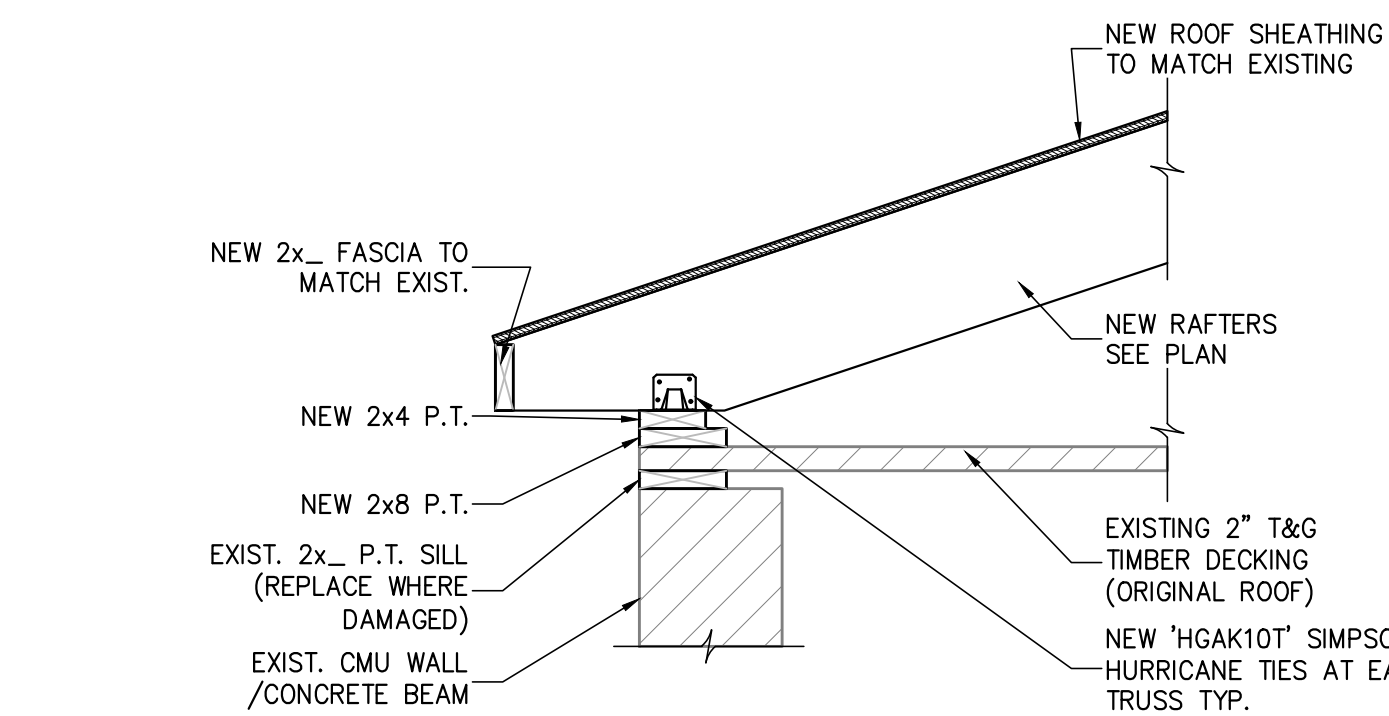
S1.1



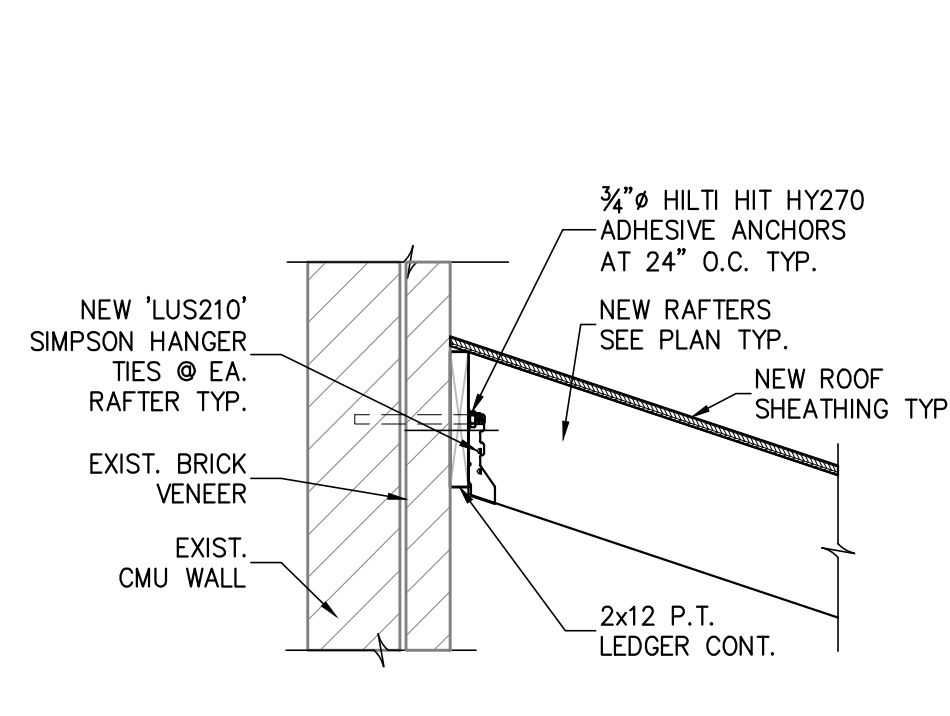
1 SECTION AT TRUSS BEARING
S1.2 3/4" = 1'-0" (EXISTING ROOF)



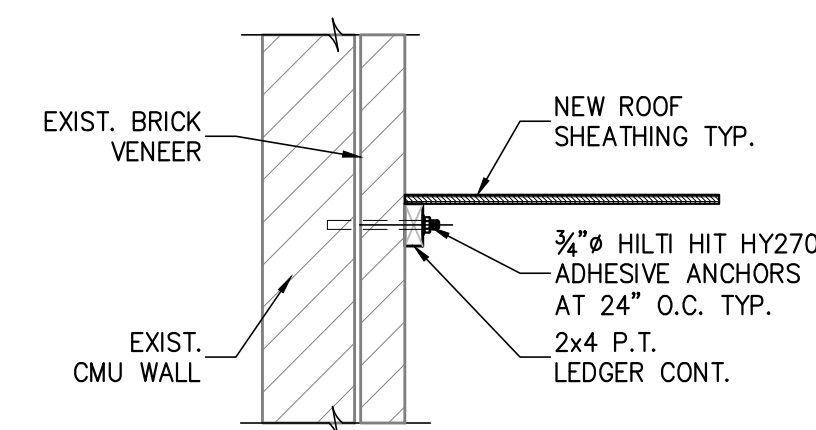
2 SECTION AT TRUSS BEARING
S1.2 3/4" = 1'-0" (EXISTING HIGH ROOF)



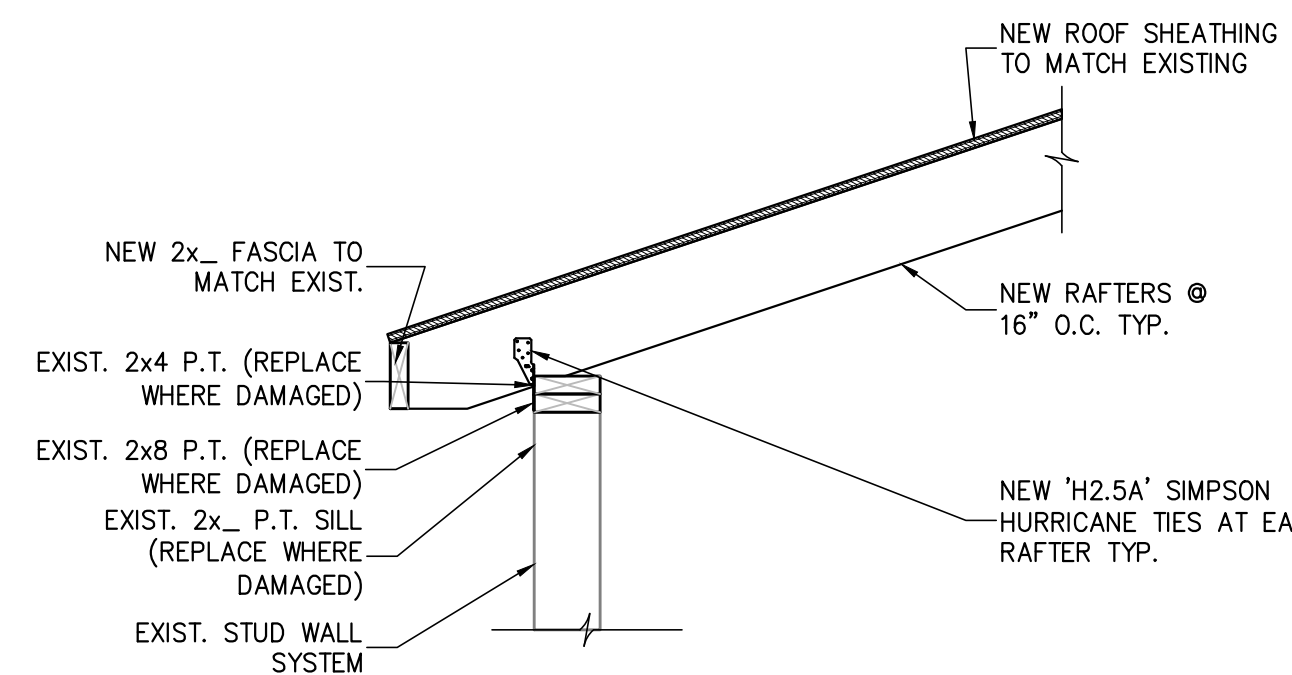
3 SECTION AT TRUSS BEARING
S1.2 3/4" = 1'-0" (ROOF REPLACEMENT)



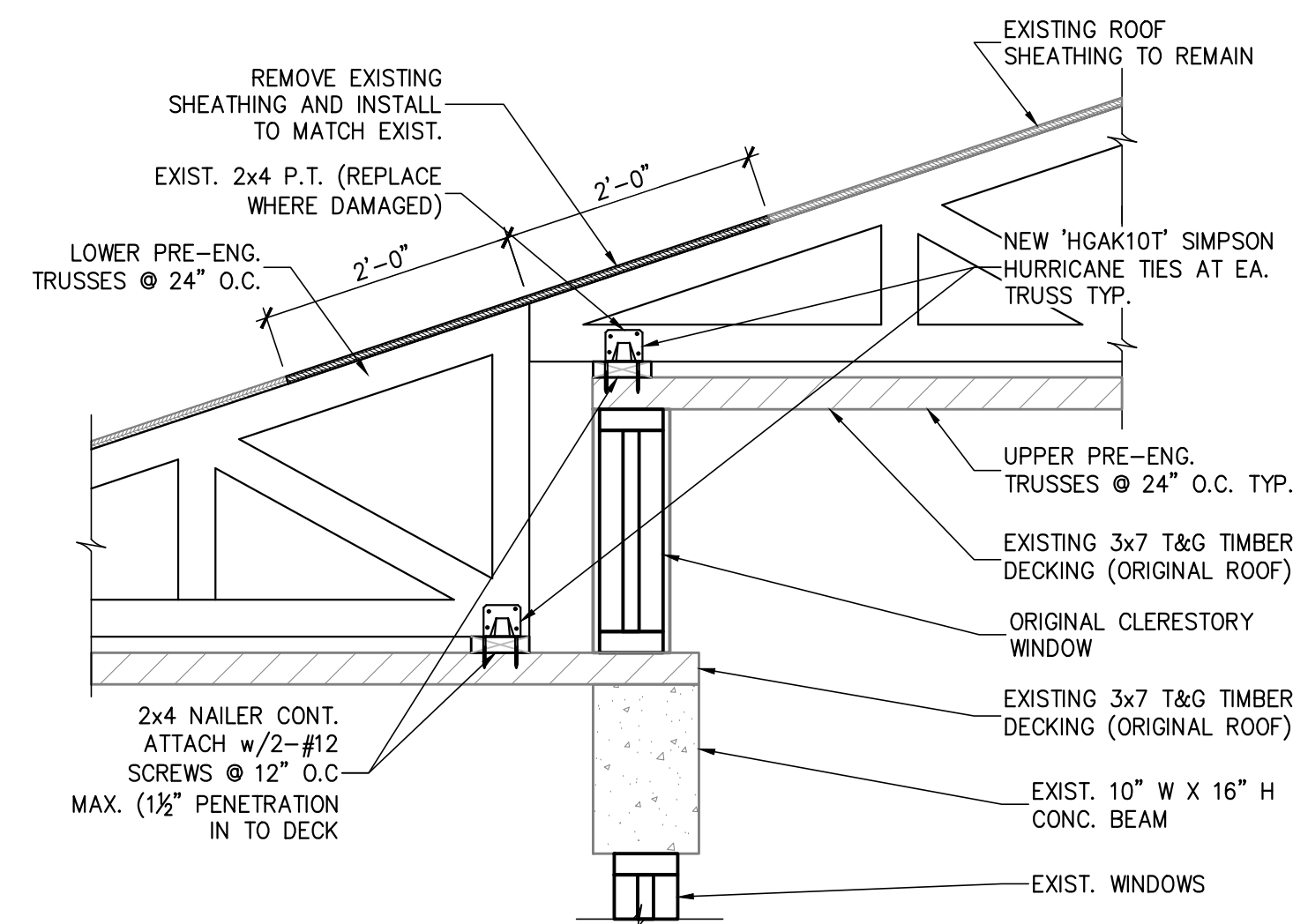
4 LEDGER CONN. TO EXIST. WALL
S1.2 3/4" = 1'-0"



5 LEDGER CONN. TO EXIST. WALL
S1.2 3/4" = 1'-0"



6 SECTION AT RAFTER BEARING
S1.2 3/4" = 1'-0" (LOW ROOF)



7 SECTION AT TRUSS TRANSITION
S1.2 3/4" = 1'-0"

GENERAL STRUCTURAL NOTES:

- GENERAL NOTES**
 - METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
 - THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLEEVES, CURBS, INSERTS OR OPENINGS NOT HEREIN INDICATED.
 - COORDINATE THESE DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DRAWINGS.
 - CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION DIMENSIONS WHICH IMPACT NEW CONSTRUCTION PRIOR TO FABRICATING ANY REBAR, STEEL, TRUSSES, ETCETERA.
 - DO NOT CUT, NOTCH, OR OTHERWISE MODIFY ANY STRUCTURAL MEMBERS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS WITHOUT APPROVAL OF THE ENGINEER OF RECORD.
 - CONTRACTOR IS RESPONSIBLE FOR DESIGN AND INSTALLATION OF ALL SHORING REQUIRED TO SUPPORT NEW AND EXISTING STRUCTURAL ELEMENTS.
- WOOD FRAMING**
 - ALL STRUCTURAL WOOD MEMBERS SHALL BE No. 2 SOUTHERN YELLOW PINE, 19% MAXIMUM MOISTURE CONTENT, UNLESS OTHERWISE NOTED. INTERIOR NON BEARING PARTITIONS MAY BE No. 2 SPRUCE (SPF).
 - ALL WOOD FRAMING, DIRECTLY EXPOSED TO WEATHER, OR IN DIRECT CONTACT WITH MASONRY, SOIL OR CONCRETE, SHALL BE PRESSURE TREATED, UNLESS OTHERWISE NOTED.
 - ALL LVLs, DIRECTLY EXPOSED TO WEATHER, OR IN DIRECT CONTACT WITH MASONRY, SOIL OR CONCRETE, SHALL BE EXTERIOR GRADE, UNLESS NOTED OTHERWISE.
 - ALL METAL CONNECTORS SHALL BE HOT DIP GALVANIZED. INSTALL ALL CONNECTORS PER THE MANUFACTURER'S RECOMMENDATIONS. METAL CONNECTOR DESIGNATIONS INDICATED ON PLANS, ARE FOR 'SIMPSON STRONG-TIE' ANCHORS. ANCHORS FROM OTHER MANUFACTURERS MAY BE USED, PROVIDED THEY HAVE EQUIVALENT STRENGTH.
 - ALL NAILED CONNECTIONS SHALL BE IN ACCORDANCE WITH NORTH CAROLINA STATE BUILDING CODE TABLE 2304.9.1. - FASTENING SCHEDULE, UNLESS OTHERWISE NOTED.
 - FRAMING CONNECTIONS THAT ARE BOLTED OR SCREWED, SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD.
 - PROVIDE STUDS AND HEADERS AT ALL EXTERIOR WALLS AND INTERIOR BEARING WALLS AS FOLLOWS, UNLESS OTHERWISE NOTED:

OPENING WIDTH	STUDS	HEADER
0'-0" TO 6'-0"	2 KING STUDS, 1 JACK STUD	(2) 2 x 10 @ 2 x 4 WALL (3) 2 x 10 @ 2 x 6 WALL
6'-1" TO 8'-0"	2 KING STUDS, 2 JACK STUDS	(2) 2 x 10 @ 2 x 4 WALL (3) 2 x 10 @ 2 x 6 WALL
8'-1" TO 12'-0"	3 KING STUDS, 2 JACK STUDS	(2) 2 x 12 @ 2 x 4 WALL (3) 2 x 12 @ 2 x 6 WALL
- WOOD DECKING/SHEATHING**
 - ROOF SHEATHING SHALL BE 1/2" PLYWOOD OR ORIENTED STRAND BOARD (OSB), UNLESS OTHERWISE NOTED. ATTACH ROOF SHEATHING TO FRAMING WITH 8d NAILS AT 4" O.C. AT PANEL EDGES AND 12" O.C. AT INTERIOR MEMBERS. PROVIDE SOLID BLOCKING AT PANEL EDGES (48" O.C.).
 - SUB-FLOOR SHALL CONSIST OF 3/4" TONGUE AND GROOVE PLYWOOD UNLESS OTHERWISE NOTED. FASTEN WITH 8d NAILS AT 6" O.C. AT PANEL EDGES, AND AT 12" O.C. AT INTERIOR SUPPORTS.
- PRE-ENGINEERED WOOD TRUSSES**
 - PRE-ENGINEERED TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED, IN ACCORDANCE WITH TRUSS PLATE INSTITUTE (T.P.I.) SPECIFICATIONS.
 - PRE-ENGINEERED TRUSS MANUFACTURER SHALL DESIGN ALL TEMPORARY AND PERMANENT TRUSS BRACING, AND CLEARLY INDICATE ALL BRACING SIZES AND LOCATIONS ON THE SHOP DRAWINGS.
 - TRUSS HANGERS: AT EACH TRUSS END THAT DOES NOT HAVE A STANDARD BEARING CONNECTION, PROVIDE AN ENGINEERED CONNECTION THAT IS CAPABLE OF SUPPORTING THE REQUIRED REACTION.
 - COORDINATE TRUSS PROFILES AND OVERHANG DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 - HURRICANE ANCHORS SHALL BE SPECIFIED BY THE TRUSS MANUFACTURER UNLESS OTHERWISE NOTED. ENGINEER OF RECORD CAN SPECIFY ANCHORS IF LOADING INFORMATION IS PROVIDED BY TRUSS MANUFACTURER. ALL TRUSS TO TRUSS CONNECTORS SHALL BE SPECIFIED BY TRUSS MANUFACTURER.
 - THE CONTRACTOR SHALL SUBMIT TRUSS SHOP AND LAYOUT DRAWINGS FOR APPROVAL, PRIOR TO THE FABRICATION OF THE TRUSSES. ALL TRUSS DRAWINGS SHALL BE SEALED BY A NORTH CAROLINA PROFESSIONAL ENGINEER.
 - ALL PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED TO SUPPORT THE DEAD AND LIVE LOADS INDICATED AS FOLLOWS:

UNIFORM LOADS:	ROOF TRUSSES
TOP CHORD LIVE LOAD	20 PSF
TOP CHORD DEAD LOAD	10 PSF
BOTTOM CHORD DEAD LOAD	10 PSF

STRUCTURAL DESIGN CRITERIA:

- DESIGN LOADS:**
 - ROOF DEAD LOAD: MAX 2 PSF, MIN (FOR UPLIFT) 2 PSF
 - ROOF SHINGLES: 3 PSF, 2 PSF
 - SHEATHING: 3 PSF, 2 PSF
 - ROOF FRAMING: 5 PSF, 3 PSF
 - PIPING, DUCT, ETC.: 2 PSF, 0 PSF
 - 12 PSF, 7 PSF
 - LIVE LOADS**
 - ROOF LIVE LOAD - ALL AREAS GREATER OF 20 PSF MINIMUM OR SNOW LOAD. LIVE LOAD REDUCTION CAN BE USED IN ACCORDANCE WITH 2018 NCBC, SECTION 1607.10
 - 1ST FLOOR LIVE LOAD: 100 PSF
 - SNOW LOAD**
 - GROUND SNOW LOAD = 10 PSF (ENGELHARD, NC)
 - SNOW LOAD IMPORTANCE FACTOR: I = 1.0
 - SNOW EXPOSURE FACTOR = 1.0
 - SNOW THERMAL FACTOR = 1.0
 - ROOF SNOW LOAD = 7 PSF
 - BASIC DESIGN ROOF SNOW LOAD = 7.0 PSF
 - WIND LOAD**
 - BASIC WIND SPEED: Vult = 133 MPH (ENGELHARD, NC)
 - RISK CATEGORY: I, II, III, IV
 - WIND EXPOSURE CATEGORY: 'B' (ASCE 7-10)
 - WIND BASE SHEAR (FOR MWFRS): Vx = K, Vy = K (N/A EXIST. BLDG)
 - INTERNAL PRESSURE COEFFICIENT: ±0.55
 - SEISMIC LOADS (N.C. STATE BLDG. CODE):

RISK CATEGORY:	I	II	III	IV
SEISMIC DESIGN CATEGORY:	A	B	C	D
MAPPED SPECTRAL RESPONSE ACCELERATION:	0.7	0.7	0.7	0.7
SPECTRAL RESPONSE COEFFICIENTS:	0.2	0.2	0.2	0.2
SEISMIC RESPONSE COEFFICIENT:	0.036	0.036	0.036	0.036
RESPONSE MODIFICATION FACTOR, R:	3.25	3.25	3.25	3.25
 - SITE CLASSIFICATION: A, B, C, D, E, F
- BASIC STRUCTURAL SYSTEM:
 BEARING WALL DUAL w/ SPECIAL MOMENT FRAME
 BUILDING FRAME DUAL w/ INTERMEDIATE R/C OR SPECIAL STEEL
 MOMENT FRAME INVERTED PENDULUM
- SEISMIC BASE SHEAR: Vx = K, Vy = K (N/A EXIST. BLDG.)
ANALYSIS PROCEDURE: SIMPLIFIED EQUIVALENT LATERAL FORCE MODAL
ARCHITECTURAL, MECHANICAL COMPONENTS ANCHORED? YES NO
LATERAL DESIGN CONTROL: EARTHQUAKE WIND
- ALL DESIGN LOADS ARE PER NORTH CAROLINA STATE BUILDING CODE 2018 EDITION.
 - WIND LOADS CONTROL THE LATERAL LOAD DESIGN. THE BUILDING UTILIZES SHEAR WALLS FOR LATERAL LOAD RESISTANCE.
- FOUNDATION DESIGN CRITERIA:**
 - MINIMUM FOOTING BEARING DEPTH BELOW GRADE IS 12 INCHES.
 - FOUNDATION DESIGN IS BASED ON A PRESUMPTIVE MAXIMUM ALLOWABLE SOIL BEARING CAPACITY OF 1,500 PSF.
 - CONTRACTOR SHALL FIELD VERIFY THE SOIL BEARING CAPACITY PRIOR TO START OF CONSTRUCTION.

REVISIONS	

DRAWN BY: GBP
PROJECT #: 21014
ISSUE DATE: 03-31-2023

PHASE:
75% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER
ROOF FRAMING DETAILS SECTIONS & NOTES

S1.2

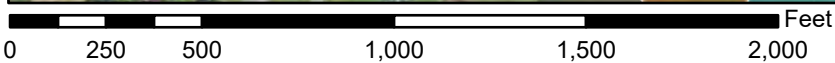


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102 Regency Blvd. Phone: 252-321-6027
Suite A1 Greenville, NC 27834 Fax: 252-355-2179
RPA Project No.: 2022449

National Flood Hazard Layer FIRMMette



76°1'39"W 35°30'52"N



1:6,000

76°1'1"W 35°30'23"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **8/22/2023 at 7:37 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Davis Ventures Community Center - FEMA FIRM



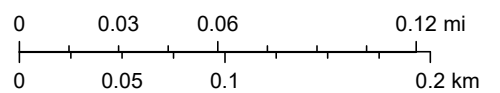
June 9, 2023

Flood Hazard Zones

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard

0.2% Annual Chance Flood Hazard

1:4,514





Community Status Book Report

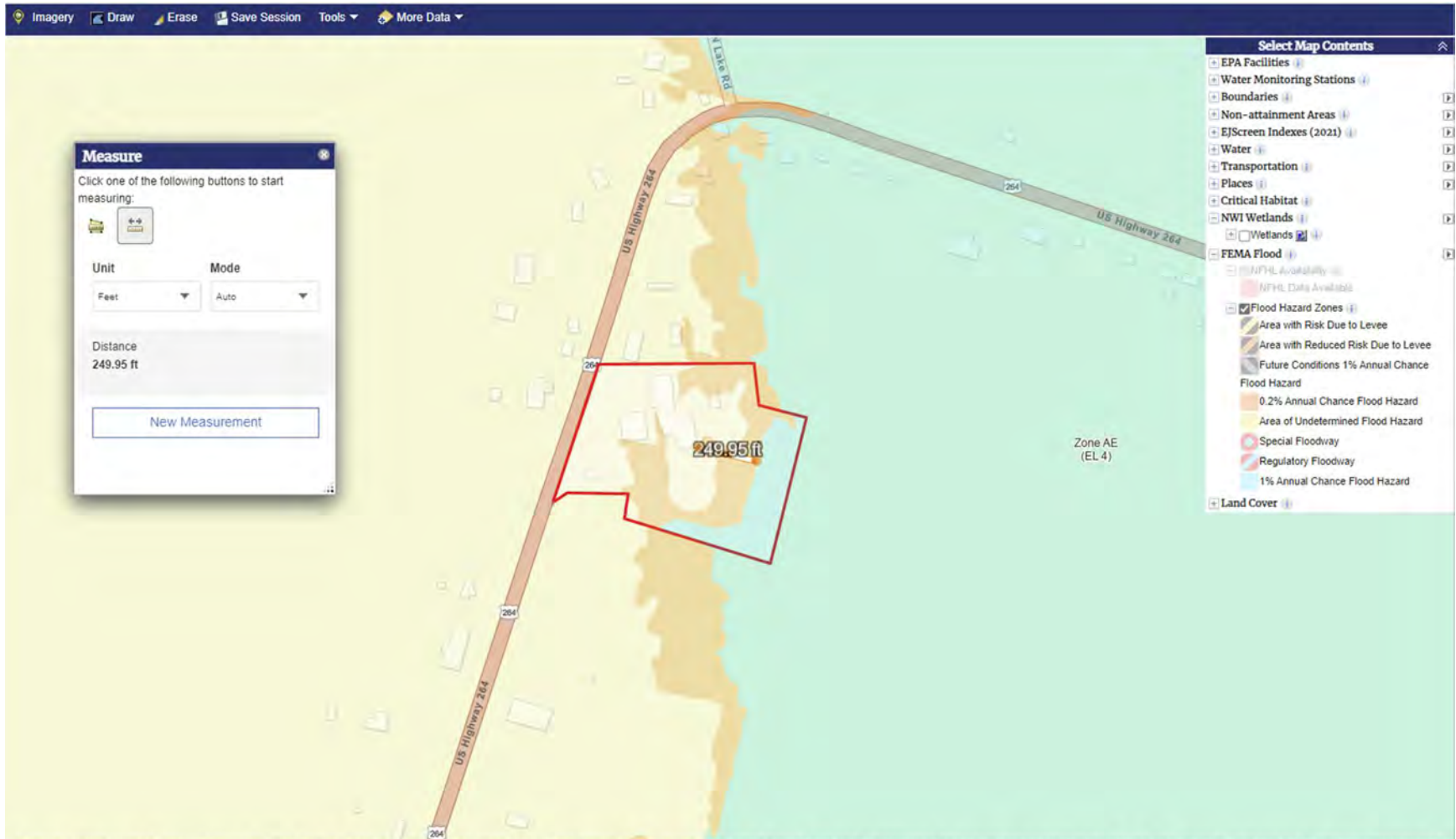
Communities Participating in the National Flood Program



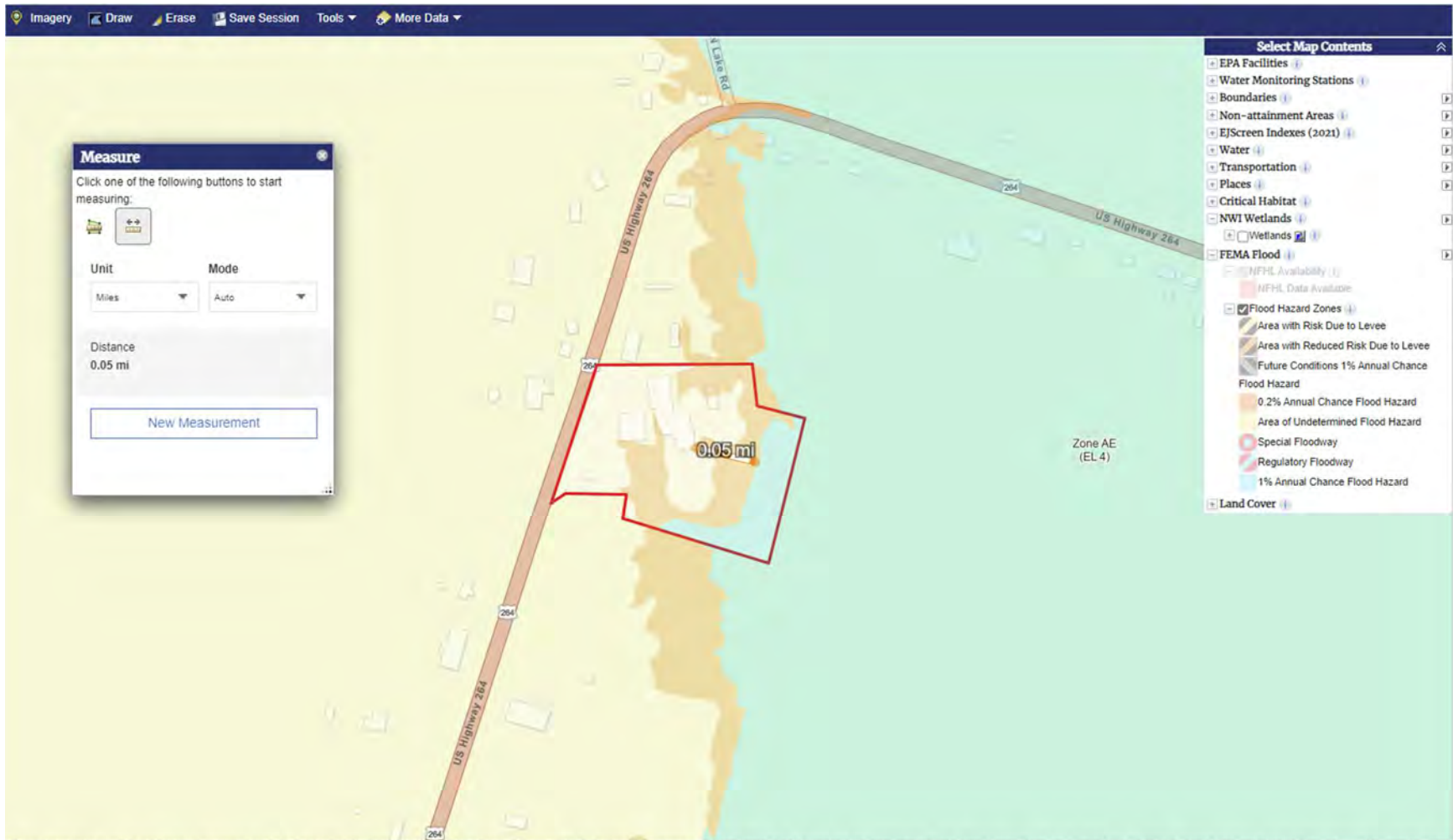
NORTH CAROLINA

CID	Community Name	County	Init FHBM Identified	Init FIRM Identified	Curr Eff Map Date	Reg-Emer Date	Tribal	CRS Entry Date	Curr Eff Date	Curr Class	% Disc SFHA	% Disc Non SFHA
370283K	GRAHAM, CITY OF	ALAMANCE COUNTY	07/11/75	11/19/80	11/17/17	11/19/80	No					
370686#	GRANDFATHER VILLAGE, TOWN OF	AVERY COUNTY		12/02/08	12/03/09	07/15/10	No					
370414#	GRANITE FALLS, TOWN OF	CALDWELL COUNTY		08/16/88	07/07/09(M)	08/16/88	No					
370212#	GRANITE QUARRY, TOWN OF	ROWAN COUNTY	03/08/74	09/15/78	06/16/09	09/15/78	No					
370325J	GRANVILLE COUNTY*	GRANVILLE COUNTY	04/21/78	09/28/90	07/19/22	02/20/97	No					
370482K	GREEN LEVEL, TOWN OF	ALAMANCE COUNTY		12/22/98	11/17/17	08/13/07	No					
370378K	GREENE COUNTY *	GREENE COUNTY	12/02/77	01/06/83	06/20/18	06/12/95	No					
370655K	GREENEVERS, TOWN OF	DUPLIN COUNTY		02/16/06	(NSFHA)	08/13/08	No					
	NSFHA.											
375351#	GREENSBORO, CITY OF	GUILFORD COUNTY		04/16/71	03/16/09	04/16/71	No	05/01/09	05/01/09	8	10%	05%
370191K	GREENVILLE, CITY OF	PITT COUNTY	06/14/74	07/03/78	06/19/20	07/03/78	No	10/01/92	10/01/07	7	15%	05%
370192#	GRIFTON, TOWN OF	LENOIR COUNTY/PITT COUNTY	12/17/73	02/17/82	07/07/14	02/17/82	No	10/01/04	05/01/17	7	15%	05%
370535M	GRIMESLAND, TOWN OF	PITT COUNTY		01/02/04	06/19/20	01/02/04	No					
370572#	GROVER, TOWN OF	CLEVELAND COUNTY		02/20/08	07/02/08	09/16/19	No					
370111L	GUILFORD COUNTY *	GUILFORD COUNTY	01/17/75	06/04/80	11/17/17	06/04/80	No	10/01/93	10/01/18	7	15%	05%
370327K	HALIFAX COUNTY *	HALIFAX COUNTY	06/23/78	05/05/81	06/02/15	05/05/81	No					
370334#	HAMILTON, TOWN OF	MARTIN COUNTY	05/05/78	01/01/87	02/04/09	01/01/87	No					
370200#	HAMLET, CITY OF	RICHMOND COUNTY	12/14/73	07/02/87	09/03/08	07/02/87	No					
370328K	HARNETT COUNTY *	HARNETT COUNTY	08/18/78	04/16/90	07/19/22	04/16/90	No					
370038K	HARRISBURG, TOWN OF	CABARRUS COUNTY	04/12/74	11/02/94	11/16/18	06/30/76	No					
370680#	HASSELL, TOWN OF	MARTIN COUNTY		09/19/07	02/04/09	10/12/07	No					
370265K	HAVELOCK, CITY OF	Craven County	09/13/74	05/04/87	06/19/20	05/04/87	No	10/01/95	10/01/99	8	10%	05%
370003K	HAW RIVER, TOWN OF	ALAMANCE COUNTY	07/18/75	11/05/80	11/17/17	11/05/80	No					
370431#	HAYESVILLE, TOWN OF	CLAY COUNTY	07/21/81	11/19/08	05/04/09	12/11/08	No					
370120#	HAYWOOD COUNTY*	HAYWOOD COUNTY	06/23/78	07/15/84	04/03/12	07/15/84	No					
370683#	HEMBY BRIDGE, TOWN OF	UNION COUNTY		10/16/08	02/19/14	11/09/09	No					
370125#	HENDERSON COUNTY *	HENDERSON COUNTY	01/10/75	03/01/82	01/06/10	03/01/82	No					
370367K	HENDERSON, CITY OF	VANCE COUNTY	04/25/75	08/04/87	12/06/19	08/04/87	No					
370128#	HENDERSONVILLE, CITY OF	HENDERSON COUNTY	07/29/77	01/20/82	01/06/10	01/20/82	No					
370130K	HERTFORD COUNTY*	HERTFORD COUNTY	06/02/78	11/01/99	12/21/18	11/01/99	No					
370188K	HERTFORD, TOWN OF	PERQUIMANS COUNTY	02/15/74	07/03/85	12/21/18	07/03/85	No					
370054#	HICKORY, CITY OF	CALDWELL COUNTY/BURKE COUNTY/CATAWBA COUNTY	09/13/74	08/03/81	07/07/09	08/03/81	No					
370113#	HIGH POINT, CITY OF	RANDOLPH COUNTY/DAVIDSON COUNTY/GUILFORD COUNTY	06/28/74	11/01/79	06/16/09	11/01/79	No					
370405#	HIGH SHOALS, CITY OF	LINCOLN COUNTY/GASTON COUNTY	11/03/78	12/02/80	11/04/09	05/20/10	No					
370574#	HIGHLANDS, TOWN OF	MACON COUNTY/JACKSON COUNTY		05/04/09	04/19/10	10/28/09	No					
370519#	HILDEBRAN, TOWN OF	BURKE COUNTY		09/05/07	07/07/09	09/05/07	No					
370343F	HILLSBOROUGH, TOWN OF	ORANGE COUNTY	05/19/78	05/15/80	11/17/17	05/15/80	No					
370116#	HOBGOOD, TOWN OF	HALIFAX COUNTY	06/14/74	07/01/77	02/04/09	07/01/77	No					
370397#	HOKE COUNTY *	HOKE COUNTY	06/02/78	03/02/89	07/07/14	03/02/89	No					
375352K	HOLDEN BEACH, TOWN OF	BRUNSWICK COUNTY		05/26/72	08/28/18	05/26/72	No	10/01/91	04/01/22	7	15%	05%
370575K	HOLLY RIDGE, TOWN OF	ONslow COUNTY		11/03/05	06/02/21	07/08/08	No					
370403K	HOLLY SPRINGS, TOWN OF	WAKE COUNTY		03/03/92	07/19/22	12/23/94	No					
370326#	HOOKERTON, TOWN OF	GREENE COUNTY	09/26/75	01/20/82	04/16/13	11/24/99	No					
370312#	HOPE MILLS, TOWN OF	CUMBERLAND COUNTY	07/18/75	11/04/81	12/18/07	11/04/81	No					
370153#	HOT SPRINGS, TOWN OF	MADISON COUNTY	09/17/76	07/05/82	01/06/10	07/05/82	No					
370450#	HUDSON, TOWN OF	CALDWELL COUNTY		08/16/88	07/07/09	03/06/90	No					
370478F	HUNTERSVILLE, TOWN OF	MECKLENBURG COUNTY		02/04/04	11/16/18	02/04/04	No	10/01/20	10/01/20	5	25%	10%
370133L	HYDE COUNTY*	HYDE COUNTY	12/27/74	02/04/87	06/15/22	02/04/87	No	10/01/92	10/01/19	8	10%	05%
370433#	INDIAN BEACH, TOWN OF	CARTERET COUNTY		03/04/85	11/03/05	03/04/85	No					
370235#	INDIAN TRAIL, TOWN OF	UNION COUNTY	09/06/74	03/21/80	02/19/14	03/21/80	No					
370313K	IREDELL COUNTY *	IREDELL COUNTY	05/26/78	05/15/80	11/16/18	05/15/80	No					
370282#	JACKSON COUNTY *	JACKSON COUNTY	03/24/78	05/17/89	04/19/10	05/17/89	No					

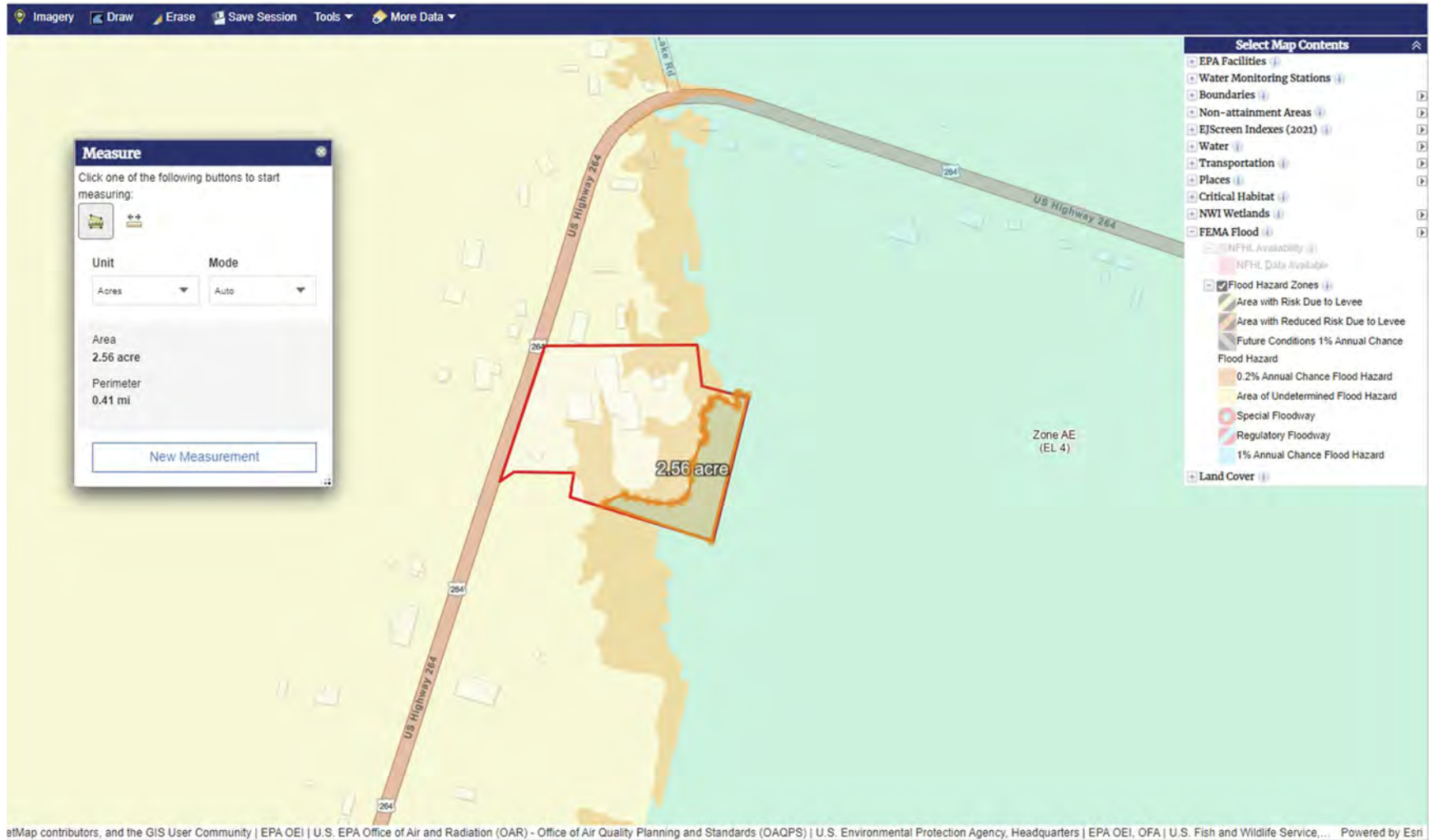
Davis Ventures Community Center Site – Distance to 100-Year Floodplain



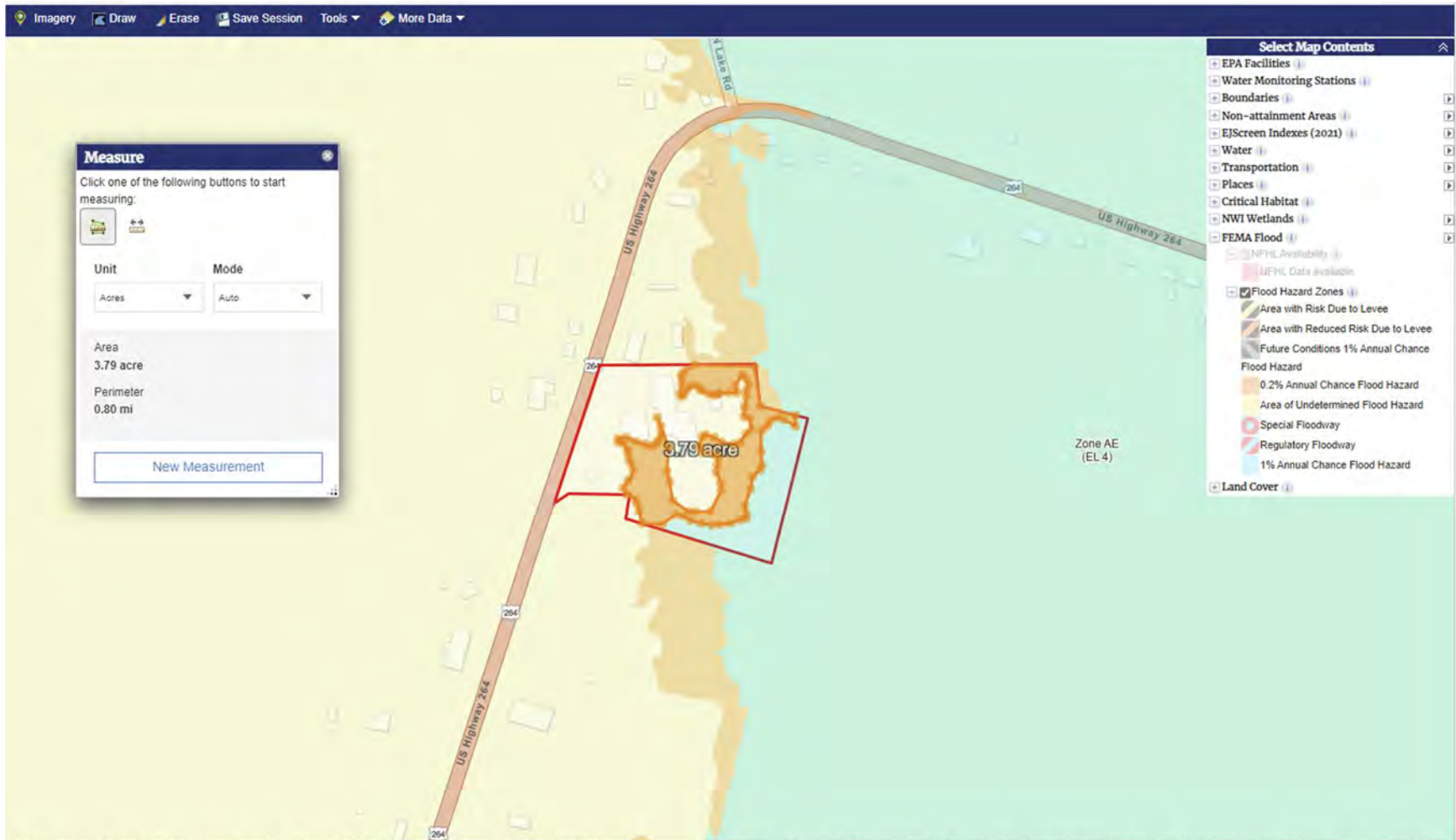
Davis Ventures Community Center Site – Distance to 100-Year Floodplain



Davis Ventures Community Center Site – 100-Year Floodplain Total Acreage



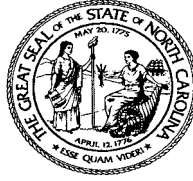
Davis Ventures Community Center Site – 500-Year Floodplain Total Acreage



ATTACHMENT 10:

Historic Preservation

SHPO Responses, NCORR SHPO Submission
Packages and Correspondence, HUD TDAT Results,
and When To Consult With Tribes Under Section
106 Checklist



North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office

Ramona M. Bartos, Administrator

Governor Roy Cooper
Secretary D. Reid Wilson

Office of Archives and History
Deputy Secretary, Darin J. Waters, Ph.D.

August 24, 2023

MEMORANDUM

TO: Andrea Gievers andrea.l.gievers@rebuild.nc.gov
N.C. Office of Recovery & Resiliency
Department of Public Safety

FROM: Ramona M. Bartos, Deputy
State Historic Preservation Officer *RMB for Ramona M. Bartos*

SUBJECT: Davis Ventures Community Center Improvement, 33478 US Highway 264, Englehard,
Hyde County, SCH 23-E-4600-0252, ER 19-2399

Thank you for your email of August 18, 2023, transmitting the project scope clarification for above-referenced undertaking. We have reviewed the proposed work to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions and offer the following comments.

Our office finds that the proposed repairs and renovations, including retention of the historic and character defining steel-frame windows, meet the *Secretary of the Interior's Standards for Treatment of Historic Properties* (Rehabilitation) and will have No Adverse Effect on the National Register-listed Davis School (HY0907).

We applaud this effort to preserve the historic Davis School and understand the critical need for repairs as soon as possible to protect the buildings from further deterioration and future storm events.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-814-6579 or environmental.review@ncdcr.gov. In all future communication concerning this project, please cite the above referenced tracking number.

cc: Crystal Best, NC SCH crystal.best@doa.nc.gov
Reid Thomas, NC HPO-EO reid.thomas@dncr.nc.gov

**NCORR Response Letter and
Attachments dated August 18, 2023**

Gievers, Andrea

From: Gievers, Andrea
Sent: Friday, August 18, 2023 2:49 PM
To: DCR - Environmental_Review
Cc: Thomas, Reid; Gledhill-earley, Renee
Subject: SCH 23-E-4600-0252, ER 19-2399 - Response to SHPO Memo on Davis Community Center
Attachments: NCORR Response SHPO No Adverse Effect Davis Community Ctr.pdf

Hello:

We are in receipt of your Memorandum dated July 19, 2023 regarding the Davis Ventures Community Center Project, 33478 US Highway 264, Englehard, Hyde County, SCH 23-E-4600-0252, ER 19-2399. Please find our clarification response with the July 7, 2023 Design Plans and July 10, 2023 ACM Abatement and Mold Remediation Specifications attached. This project is in urgent need of completion for the survival of this important historic building that is endangered by every storm due to its current storm-damaged conditions. We would greatly appreciate your urgency and prompt response. Please feel free to contact me if you have any questions. Thank you so much.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700



North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

August 18, 2023

Ms. Renee Gledhill-Earley
Environmental Review Coordinator
NC State Historic Preservation Office
4617 Mail Service Center
Raleigh, NC 27699-4617

Sent via email to:

environmental.review@dncr.nc.gov

cc: reid.thomas@dncr.nc.gov and renee.gledhill-earley@dncr.nc.gov

RE: **Response to SHPO Memorandum dated July 19, 2023**
Section 106 Review - HUD CDBG-MIT Program
Davis Ventures Community Center (Former Davis School)
33478 U.S. 264
Engelhard, NC 27824
SCH 23-E-4600-0252, ER 19-2399

Dear Ms. Gledhill-Earley:

In accordance with Section 106 of the National Historic Preservation Act (NHPA) and its implementing regulations, 36 CFR Part 800, we are providing information for your review and No Adverse Effect concurrence regarding the above-referenced project. The North Carolina Office of Recovery and Resiliency (NCORR), as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD), is serving as the responsible entity for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. NCORR is acting on behalf of HUD in providing the enclosed project information and request for consultation.

NCORR is in receipt of the NC SHPO Memorandum dated July 19, 2023 (SHPO Memo) in **Attachment 1** for the proposed project. According to the SHPO Memo, “[m]uch of the proposed undertaking, including roof work, soffit and fascia repairs, hazardous material remediation, and interior work appears to meet the *Secretary of the Interior’s Standards for Rehabilitation*.” The

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Durham, NC 27709



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www.rebuild.nc.gov

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SHPO noted that there was confusion in regard to the submittal letter from June 13, 2023, which notes “removal and replacement of existing windows with new thermally-broken aluminum storefront and low-e coated insulated glazing panels.” The NC SHPO requested that NCORR “[p]lease provide clarification as to whether the existing historic windows are to be retained or be replaced.”

The proposed project’s scope of work was amended to include the replacement of windows as discussed in the June 13, 2023 submittal letter and shown in the last design plans dated July 7, 2023 (**Attachment 2**). However, due to the historic significance of the subject building, NCORR understands the importance of maintaining the building’s historical features while rehabilitating it from past storm damage and safeguarding it from future storm damage. Therefore, the window replacement portion as included in the July 7, 2023 design plans and ACM Abatement and Mold Remediation Specifications dated July 10, 2023 will be excluded from the proposed project since it does not meet the *Secretary of the Interior’s Standards for Rehabilitation (Standards)* one, three and five. The July 7, 2023 Design Plans and July 10, 2023 ACM Abatement and Mold Remediation Specifications are included in **Attachment 2**.

Unfortunately, there are no additional funds from NCORR’s Infrastructure Recovery Program available for the proposed project. Thus, there is a possibility that no windows will be addressed under this proposed project. If there is sufficient money in the budget available to repair or replace any windows, then the repair(s) and replacement(s) will be in accordance with all of the *Secretary of the Interior’s Standards for Rehabilitation*. The proposed project scope must fit within the current budget while incorporating the *Standards* as outlined in the SHPO Memo. In order to achieve both goals, the hired contractor and project architect will need to evaluate the windows to prioritize and determine which ones are repairable and which ones are so severely damaged that they necessitate replacement. A determination for any proposed window rehabilitation will then be made based on the amount and best use of the remaining funds for windows requiring priority attention.

During Hurricane Matthew, the Davis Ventures Community Center’s roof failed under the heavy rains and high winds and the electrical boxes were damaged by water leaking into the building. According to the January 17, 2023 Hazardous Materials Assessment Report, the roof was observed to be in poor condition throughout. There are numerous tarps on sections of the roof. The roof is caved in over the cafeteria dining room and adjacent gym corridor. There are various water damaged ceiling tiles located throughout the building. Due to the current condition of the damaged roof, mold, and water damage, this rehabilitation project is *critical* to prevent further and complete destruction of the building during future storm events. NCORR and Hyde County will remain responsible for ensuring successful implementation of any applicable required conditions. We understand that NC SHPO Restoration Specialist Reid Thomas is available upon request and time-available basis to provide technical restoration advice with the project.

NCORR respectfully requests your review of the proposed project described herein. In accordance with §800.5(c), your office has thirty days to object to this finding. Please respond within this timeframe, otherwise we will assume that you concur with our finding.

If you have any questions or require additional information regarding this request, please feel free to contact Andrea Gievers at (845) 682-1700 or via email at Andrea.L.Gievers@Rebuild.NC.gov. Thank you for your time and assistance.

Sincerely,

Andrea Gievers

Andrea Gievers, JD, MSEL, ERM
NCORR Environmental Subject Matter Expert

Proposed Project Enclosures:

Attachment 1: NC SHPO Memorandum dated July 19, 2023

Attachment 2: July 7, 2023 Design Plans and July 10, 2023 ACM Abatement and Mold Remediation Specifications

Attachment 3: NCORR Original Submission dated June 13, 2023

Section 106 ATTACHMENT 1:

**NC SHPO Memorandum dated
July 19, 2023**



North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office

Ramona M. Bartos, Administrator

Governor Roy Cooper
Secretary D. Reid Wilson

Office of Archives and History
Deputy Secretary, Darin J. Waters, Ph.D.

July 19, 2023

MEMORANDUM

TO: Andrea Gievers andrea.l.gievers@rebuild.nc.gov
N.C. Office of Recovery & Resiliency
Department of Public Safety

FROM: Ramona M. Bartos, Deputy State Historic Preservation Officer *RMB for Ramona M. Bartos*

SUBJECT: Davis Ventures Community Center Improvement, 33478 US Highway 264, Englehard, Hyde County, SCH 23-E-4600-0252, ER 19-2399

Thank you for your recent submission concerning the above-referenced undertaking. We have reviewed the proposed work to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions and offer the following comments.

We are pleased to see and applaud the proposed work for in-kind repair and rebuilding of deteriorated portions of the existing roofing, along with preserving the encapsulated original flat roof and monitor roof on the National Register-listed Davis School (HY0907). This work will help to ensure the re-use of these contributing portions of the school and long-term preservation of this historically and architecturally significant property.

Much of the proposed undertaking, including roof work, soffit and fascia repairs, hazardous material remediation, and interior work appears to meet the *Secretary of the Interior's Standards for Rehabilitation*. Linked below is a National Park Service Preservation Brief (#37) on "*Appropriate Methods for Reducing Lead-Paint Hazards in Historic Housing*", that may provide helpful guidance for lead abatement.

<https://home1.nps.gov/tps/how-to-preserve/briefs/37-lead-paint-hazards.htm>

Windows

The 75% construction drawings indicate that the existing windows are to remain – see sheet A0.01, D12 under Demo Key Notes: "*all existing window assembly to remain, UNO*". We are confused in that the submittal letter from June 13, 2023, notes "*removal and replacement of existing windows with new thermally-broken aluminum storefront and low-e coated insulated glazing panels*". Please provide clarification as to whether the existing historic windows are to be retained or be replaced.

Replacement of the original windows that are repairable would not meet the *Secretary of the Interior's Standards for Rehabilitation* and would result in an adverse effect. The steel-frame windows are an important character defining feature of the school buildings and replacement does not meet *Standards* one, three, and five, noted below.

1: The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.

3: Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a historic property shall be preserved.

5: Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match to old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.

To meet the *Standards* and avoid an adverse effect, the existing historic windows must be repaired rather than replaced. The National Park Service's (NPS) Preservation Brief #9, The Repair of Historic Wooden Windows, provides helpful information and guidance on historic wood windows. This brief can be on the NPS website linked below:

<https://www.nps.gov/tps/how-to-preserve/briefs/9-wooden-windows.htm>.

To make the windows more energy efficient, consider retrofitting them with double-insulated glass or by adding storm window units. Exterior or interior storm glazing may also be added to improve energy efficiency. To minimize the visual impact of adding storm windows the division of the storm windows must align with the meeting rails of the historic windows.

NPS Preservation Brief # 3 Improving Energy Efficiency in Historic Buildings, is another information resource and can be found at the NPS link below:

<https://www.nps.gov/tps/how-to-preserve/briefs/3-improve-energy-efficiency.htm>

Restoration Specialist Reid Thomas is available upon request and time-available basis to provide technical restoration advice with the project. Mr. Thomas can be reached at email: reid.thomas@dncr.nc.gov or office: (252) 830-6580, ext 222.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, Environmental Review Coordinator, at 919-814-6579 or environmental.review@ncdcr.gov. In all future communication concerning this project, please cite the above referenced tracking number.

cc: Crystal Best, NC SCH
Reid Thomas, NC HPO-EO

crystal.best@doa.nc.gov
reid.thomas@dncr.nc.gov

Section 106 ATTACHMENT 2:

**July 7, 2023 Design Plans and July 10, 2023
ACM Abatement and Mold Remediation
Specifications**

DAVIS VENTURES COMMUNITY CENTER

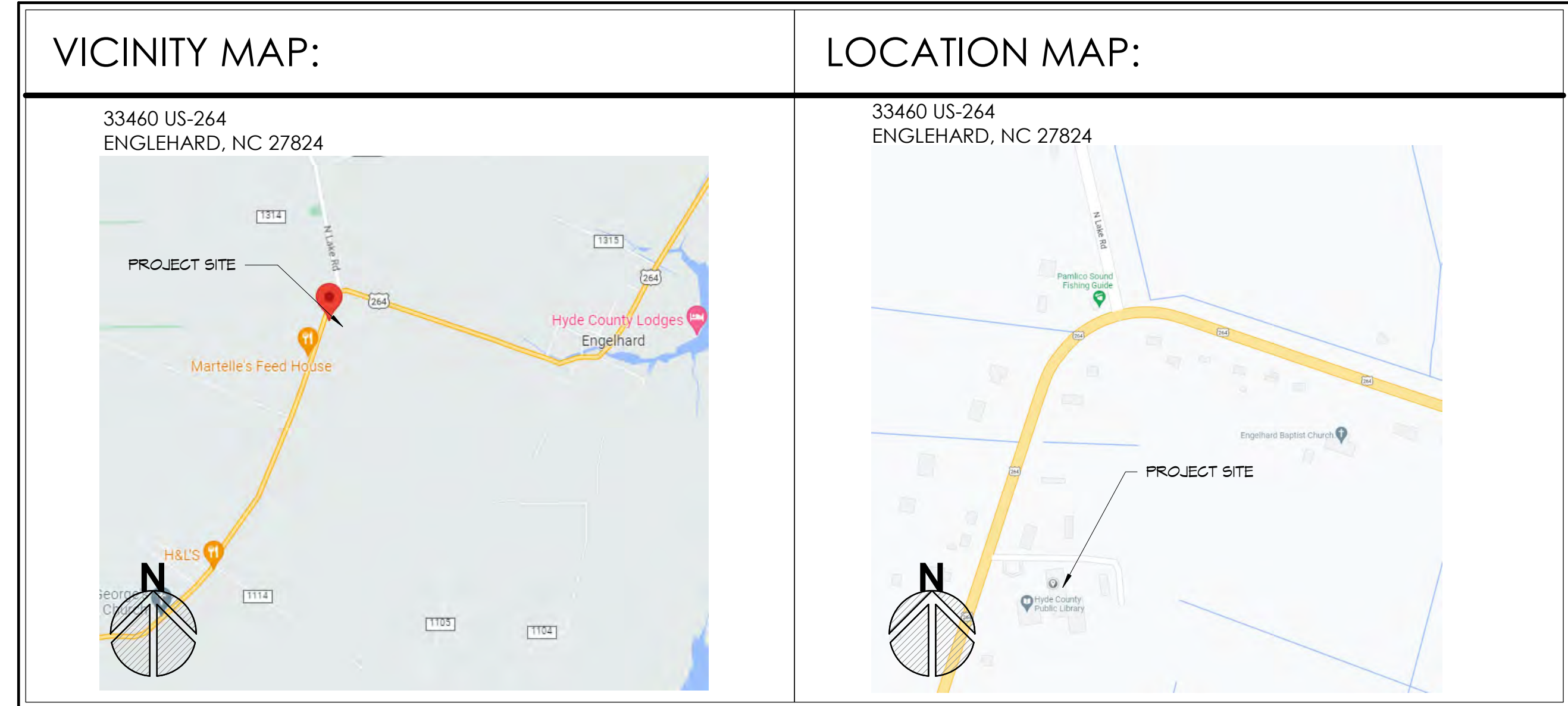
ROOF & BUILDING REPAIRS

100% CONSTRUCTION DOCUMENTS
BEHIND 33460 US-264; ENGLEHARD, NC 27824



**INTREPID
ARCHITECTURE**

114 E. 3RD STREET, GREENVILLE, NC 27858
p: 1.252.270.5330
www.INTREPIDArchitecture.com



DRAWING SHEET INDEX			
NO	NAME	ISSUED	REVISION: NO DATE
01 - General			
G1.01	VICINITY MAP, DRAWING INDEX, SYMBOLS, ABBREVIATIONS, & GENERAL NOTES	07/07/23	
G1.02	BUILDING CODE SUMMARY/APPENDIX B	07/07/23	
G2.01	LIFE SAFETY PLAN	07/07/23	
G3.01	GENERAL NOTES & SPECIFICATIONS	07/07/23	
05 - Architecture			
A0.01	DEMO FLOOR PLAN	07/07/23	
A0.02	DEMO ROOF PLANS	07/07/23	
A0.03	DEMO REFLECTED CEILING PLAN	07/07/23	
A0.04	DEMO EXTERIOR ELEVATIONS	07/07/23	
A1.01	OVERALL FLOOR PLAN	07/07/23	
A1.02	ROOF PLAN	07/07/23	
A2.01	PROPOSED EXTERIOR ELEVATIONS	07/07/23	
A5.01	PROPOSED RCP	07/07/23	
A6.01	WALL SECTIONS & DETAILS	07/07/23	
A8.01	FRAME ELEVATIONS & SCHEDULES	07/07/23	
06 - STRUCTURAL			
S1.1	ROOF FRAMING PLAN & PLAN NOTES	03/31/23	
S1.2	ROOF FRAMING DETAILS SECTIONS & NOTES	03/31/23	

CEILING SYMBOLS

CEILING ROOM TAG

ROOM NUMBER: 1005
TYPE: GYP
CEILING HEIGHT: 0'-0"

PAINTED GYP. BD.
REFER TO TAG FOR TYPE AND ELEVATION

CEILING GRID
REFER TO TAG FOR TYPE AND ELEVATION

MECHANICAL RETURN

MECHANICAL SUPPLY

MECHANICAL EXHAUST

EMERGENCY EXIT SIGN CEILING MOUNTED

EMERGENCY EXIT SIGN WALL MOUNTED

2X4 LIGHTING FIXTURE

2X2 LIGHTING FIXTURE

RECESSED CAN LIGHT

LINEAR LIGHT

FIRE ALARM

HEAT DETECTOR

SMOKE DETECTOR

SPEAKER

SPRINKLER HEAD

DATUM TAG

FINISH SYMBOLS

ROOM FINISH TAG

ROOM NAME: ROOM #
FLR: BASE: WALL: WALL FINISH: BASE MATERIAL/ FINISH: FLOOR MATERIAL/ FINISH

FLOOR MATERIALS/FINISH LEGEND

- CPT CARPET
- VCT VINYL COMPOSITION TILE
- CT CERAMIC TILE
- PT PAVER TILE
- EC EXPOSED CONCRETE, SEALED
- LVT LUXURY VINYL TILE
- EX EXPOSED

BASE MATERIALS/FINISH LEGEND

- RB RUBBER BASE
- PW PAINTED WOOD
- SW STAINED WOOD
- CTB CERAMIC TILE BASE

WALL MATERIALS/FINISH LEGEND

- PM PAINTED MASONRY
- PT PAINTED
- VW VINYL WALL COVERING
- CT CERAMIC TILE GLAZED WALL
- E EXPOSED CONSTRUCTION, UNPAINTED
- EP EXPOSED CONSTRUCTION, PAINTED
- ES EXPOSED STEEL, UNPAINTED
- PS EXPOSED STEEL, PAINTED
- PGB PAINTED GYPSUM BOARD

CEILING MATERIALS/FINISH LEGEND

- ACT ACOUSTICAL PANEL CEILING
- GYP PAINTED GYPSUM BOARD
- EX EXPOSED CONSTRUCTION, UNPAINTED
- EP EXPOSED CONSTRUCTION, PAINTED
- VAR VARIES, HEIGHT
- MSP FIBER CEMENT BOARD SOFFIT PANEL - PERFORATED
- WD WOOD-LOOK METAL SOFFIT PANELING

*NOTE REGARDING ALL FINISH TAGS - IF DESIGNATION IS FOLLOWED BY NUMERAL, DENOTES SPECIFIC MATERIAL TYPE WITHIN CATEGORY (REFER TO FINISH SCHEDULE)

GENERAL SYMBOLS

WALL TYPE TAG

DEMO KEY NOTE

PLAN KEY NOTE

DOOR TAG

CENTER LINE

FLOOR DRAIN

THERMOSTAT

CONTROL JOINT

SLOPE ARROW

OPENING TAG

FIRE EXTINGUISHER CABINET

EMERGENCY WALL LIGHT

SPRINKLER VALVE CABINET

ROOM TAG

OCCUPANCY TAG

AREA DESIGNATION

GRID LINE + BUBBLE

LEVEL LINE

LEVEL NAME

HEIGHT ABOVE LEVEL 1 (LEVEL 1 = 0'-0" UNO.)

VIEW TYPES:

DETAIL VIEW/ ENLARGED VIEW

BUILDING SECTION

WALL SECTION

EXTERIOR ELEVATION

INTERIOR ELEVATION

REVISION TAG AND CLOUD

VIEW TITLE

View Name 1

VIEW SCALE

VIEW NUMBER

ARCHITECTURAL ABBREVIATIONS

ACT ACOUSTICAL CEILING TILE
ADA AMERICANS WITH DISABILITIES ACT OF 1992
ADJ. ADJACENT
AFF ABOVE FLOOR FINISH
AFG ABOVE FINISHED GRADE
ARA AREA OF RESCUE ASSISTANCE
BD BOARD
B/W BETWEEN
BOF BOTTOM OF FOOTING
BOT BOTTOM
CAN CANOPY
CI CAST IRON
CPT CARPET
CLG. HT. CEILING HEIGHT
CL CENTER LINE
CMU CONCRETE MASONRY UNIT
CO CLEAN OUT
COL COLUMN
CONC. CONCRETE
CONT. CONTINUOUS
CRS CHAIN ROLLER SHADE
DIA DIAMETER
DIM DIMENSION
DN DOWN
DO DOOR OPENING
DS DOWNSPOUT
DWG. DRAWINGS
EA EACH
EC ELECTRICAL CONTRACTOR
EJ EXPANSION JOINT
ELEC. ELECTRICAL
EQ EQUAL
EXIST EXISTING
EXP EXPOSED
EXT EXTERIOR
FACP FIRE ALARM CONTROL PANEL
FCU FAN COIL UNIT
FD FLOOR DRAIN
F.E. FIRE EXTINGUISHER
FEC FIRE EXTINGUISHER CABINET
FFE FINISHED FLOOR ELEVATION
GYP GYPSUM
GC GENERAL CONTRACTOR
HB HOSE BIB
HDW HARDWARE
HLB HORIZONTAL LOUVER BLIND
HM HOLLOW METAL
HT HEIGHT
HVAC HEAT, VENTILATION & AIR CONDITIONS
HWC HOLLOW CORE WOOD DOOR
INSUL INSULATION
INT INTERIOR
LVL LAMINATED VENEER LUMBER
LVT LUXURY VINYL TILE
MAX MAXIMUM
MANUF MANUFACTURER
MECH. MECHANICAL
MIN. MINIMUM
MO MASONRY OPENING
MRS MOTORIZED ROLLER SHADE
N.I.C. NOT IN CONTRACT
N.T.S. NOT TO SCALE
O.C. ON CENTER
O.P.C.I. OWNER PROVIDED CONTRACTOR INSTALLED
PLM PLASTIC LAMINATE
PLYWD PLYWOOD
PGB PAINTED GYPSUM BOARD
PT PAINT
RB RUBBER BASE
RD ROOF DRAIN
REF REFERENCE
REINF REINFORCED
REQD REQUIRED
RM ROOM
RO ROUGH OPENING
SAB SOUND ABATING BATTING
SD SMOKE DETECTOR
SF SQUARE FEET
SIM SIMILAR
SPECS SPECIFICATIONS
SS STAINLESS STEEL
STD STANDARD
STL STEEL
STRUCT STRUCTURAL DRAWINGS
SWC SOLID WOOD CORE DOOR
SYW SQUARE YARD
CT CERAMIC TILE
TERM TERMINATION/TERMINATE
THRESH THRESHOLD
T&G TONGUE AND GROOVE
TO TOP OF
TOF TOP OF FOOTING
TOM TOP OF MASONRY
TOP TOP OF PLATE
TOS TOP OF STEEL
TOW TOP OF WALL
TS TRANSITION STRIP
TYP TYPICAL
UNO UNLESS NOTED OTHERWISE
VAR VARIES
VCT VINYL COMPOSITE TILE
WC WATER CLOSET
WB WOOD BASE
WD WOOD
W/ WITH
W/O WITHOUT

PARTITION LEGEND

EXISTING PARTITION TO DEMOLISH

EXISTING PARTITION TO REMAIN

UNRATED NEW PARTITION

1-HOUR RATED BARRIER

2-HOUR RATED BARRIER

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REVISIONS:

#	DESC:	DATE

DRAWN BY: DJH/JO
PROJECT #: 20014
ISSUE DATE: 07/07/23
PHASE:
100% CONSTRUCTION DOCUMENTS
SHEET NAME & NUMBER
VICINITY MAP, DRAWING INDEX, SYMBOLS, ABBREVIATIONS, & GENERAL NOTES
G1.01



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LIFE SAFETY PLAN SYMBOLS

- COMMON PATH OF TRAVEL DISTANCE = 99'-0"
- DIAGONAL DISTANCE BETWEEN EXITS = 28' - 4"
- MAXIMUM DIAGONAL DISTANCE = 28' - 4"
- TRAVEL DISTANCE = 99'-0"
- DEAD END = 11'-0"

OCCUPANCY TYPE

- BUSINESS
- OCCUPANCY AREA: 150 SF
- OCCUPANCY COUNT (BASED ON TABLE 1004.1.1): 2

BUILDING EXIT PH PANIC HARDWARE

MAXIMUM EGRESS CAPACITY (340) MAXIMUM EGRESS CAPACITY @ SUITE

ACTUAL EGRESS CAPACITY (1) ACTUAL EGRESS CAPACITY @ SUITE

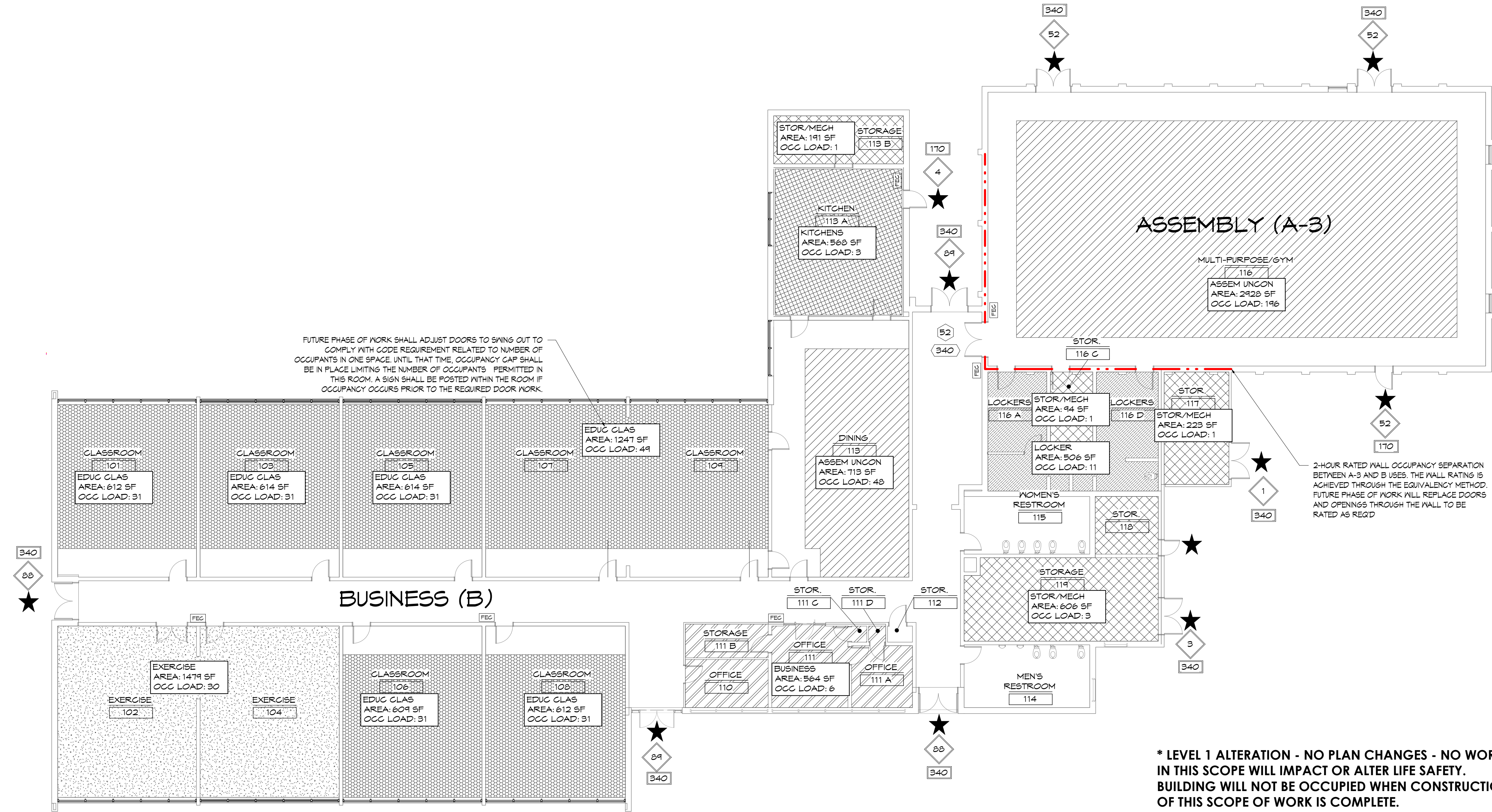
EXIT SIGN (FEC) FIRE EXTINGUISHER CABINET

RATED INTERIOR PARTITION LEGEND

- 1-HOUR RATED FIRE BARRIER
- 2-HOUR RATED FIRE BARRIER
- UNRATED PARTITION

OCCUPANCY SUMMARY

AREA PER OCCUPANT (TABLE 1004.1)	CALC OCCUPAN T LOAD
ACCESSORY STORAGE/MECHANICAL	6
ASSEMBLY (UNCONCENTRATED TABLES & CHAIRS, 1/15)	244
BUSINESS (1/100)	6
EDUCATIONAL - CLASSROOM	218
EXERCISE ROOM	30
KITCHEN COMMERCIAL	3
LOCKER ROOM	11
TOTAL	518

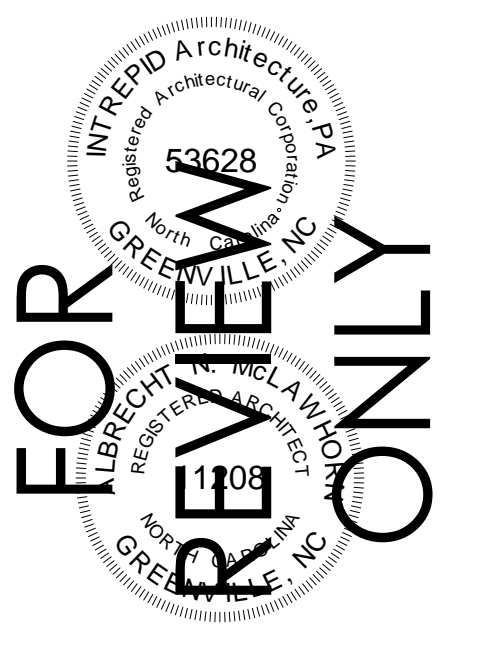


FUTURE PHASE OF WORK SHALL ADJUST DOORS TO SWING OUT TO COMPLY WITH CODE REQUIREMENT RELATED TO NUMBER OF OCCUPANTS IN ONE SPACE. UNTIL THAT TIME, OCCUPANCY CAP SHALL BE IN PLACE LIMITING THE NUMBER OF OCCUPANTS PERMITTED IN THIS ROOM. A SIGN SHALL BE POSTED WITHIN THE ROOM IF OCCUPANCY OCCURS PRIOR TO THE REQUIRED DOOR WORK.

2-HOUR RATED WALL OCCUPANCY SEPARATION BETWEEN A-3 AND B USES. THE WALL RATING IS ACHIEVED THROUGH THE EQUIVALENCY METHOD. FUTURE PHASE OF WORK WILL REPLACE DOORS AND OPENINGS THROUGH THE WALL TO BE RATED AS REQ'D

*** LEVEL 1 ALTERATION - NO PLAN CHANGES - NO WORK IN THIS SCOPE WILL IMPACT OR ALTER LIFE SAFETY. BUILDING WILL NOT BE OCCUPIED WHEN CONSTRUCTION OF THIS SCOPE OF WORK IS COMPLETE.**

FIRST FLOOR LIFE SAFETY PLAN 1
3/32" = 1'-0"



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PHASE:
100% CONSTRUCTION DOCUMENTS
SHEET NAME & NUMBER
LIFE SAFETY PLAN

G2.01

SPECIFICATIONS

DIVISION 0 – CONTRACTING REQUIREMENTS

- THROUGHOUT THE DOCUMENTS HEREIN, THE TERM "OWNER" SHALL MEAN HYDE COUNTY, NORTH CAROLINA.
- ALL OWNER STANDARDS AND PRACTICES SHALL BE STRICTLY ADHERED TO BY THE CONTRACTOR.
- CONSTRUCTION CONTRACT TO BE USED FOR THE PROJECT SHALL BE PER FRONT END SPECIFICATIONS MANUAL, U.N.O.
- CONTRACTOR REQUIRED TO MAKE A SITE VISIT PRIOR TO SUBMITTING BID. UPON SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THEIR FAMILIARITY WITH THE PROJECT SITE AND EXISTING CONDITIONS.
- AS NOTED THEREIN, UNLESS SPECIALLY REQUESTED OTHERWISE BY THE OWNER, THE CONTRACTOR SHALL PROVIDE PERFORMANCE AND PAYMENT BONDS IN THE FULL AMOUNT OF THE CONTRACT PRIOR TO THE EXECUTION OF THE CONSTRUCTION CONTRACT.
- GENERAL CONTRACTOR SHALL MAINTAIN INSURANCE COVERAGE FOR GENERAL LIABILITY, WORKERS COMP, AND BUILDERS RISK FOR THE DURATION OF THE PROJECT UNLESS NOTED / APPROVED BY THE OWNER OTHERWISE. (SEE FRONT END SPECIFICATION MANUAL)
- CONTRACTOR SHALL PROVIDE DOCUMENTATION OF WORK AND COSTS AS NEEDED TO THE ARCHITECT AND OWNER TO APPROVE PAYMENT APPLICATIONS.
- CONTRACTOR SHALL MOBILIZE ON SITE UPON THE EXECUTION OF THE CONSTRUCTION CONTRACT (UNLESS NOTED OTHERWISE IN THE SPECIFICATION MANUAL), BUT SHALL OBTAIN THE OWNER'S APPROVAL FOR THE CONSTRUCTION SCHEDULE AND LOGISTICS IN ADVANCE OF MOBILIZATION.
- G.C. SHALL BE RESPONSIBLE FOR THE PROTECTION AND STORAGE OF ALL PRODUCTS REQUIRED TO PERFORM THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS.
- CONTRACTOR IS RESPONSIBLE FOR FURNISHING A SCHEDULE SHOWING ALL MILESTONE DATES INCLUDING REQUIRED DATES FOR RECEIVING OWNER-SUPPLIED EQUIPMENT ON SITE. SHOULD SUCH ITEMS ARRIVE ONSITE AHEAD OF SAID DATE, THE OWNER SHALL BEAR THE SOLE RESPONSIBILITY FOR RECEIVING, STORING, AND HANDLING SUCH EQUIPMENT/ITEMS.
- CONTRACTOR SHALL CONFIRM/COORDINATE ALL SCHEDULE REQUIREMENTS, LIQUIDATED DAMAGES, GENERAL CONDITIONS, ETC. WITH THE OWNER PRIOR TO SUBMITTING FINAL PRICING.
- BASIS OF DESIGN PRODUCTS OR OWNER/ARCHITECT APPROVED EQUALS SHALL BE INSTALLED AS PER THE CONTRACT DOCUMENTS AND /OR THE MANUFACTURER'S REQUIREMENTS. IF THESE CONFLICT, THE G.C. SHALL PRICE THE MORE EXPENSIVE METHOD AND CONFIRM WITH THE DESIGNER OF RECORD PRIOR TO PROCEEDING.
- SHOULD DISCREPANCIES EXIST WITHIN THE CONTRACT DOCUMENTS, GC SHALL PRICE THE MOST EXPENSIVE OPTION AND CONTACT THE OWNER/ARCHITECT FOR FURTHER CLARIFICATION.
- INTERIOR PARTITIONS ARE DIMENSIONED FROM FACE OF STUD TO FACE OF STUD, UNLESS NOTED OTHERWISE. MAINTAIN DIMENSIONS MARKED "CLEAR" ALLOW FOR THICKNESS OF FINISHED WALL MATERIAL WHEN LAYING OUT WALLS NOTED TO BE "CLEAR". DOT AT DIMENSION TICK INDICATES MEASUREMENT TO FACE OF FINISHED SURFACE. PLAN NORTH/SOUTH DIMENSION STRINGS ARE ON THE PLAN NORTH FACE OF INTERIOR STUD. PLAN EAST/WEST DIMENSION STRINGS ARE PICKED FROM THE PLAN EAST FACE OF INTERIOR STUD. ALL INTERIOR DIMENSION STRINGS AT EXTERIOR WALLS PICK FROM INSIDE FACE OF STUD OR WALL U.N.O.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, CONSULT THE ARCHITECT FOR DIRECTION.
- REFER TO DRAWING SHEETS FOR KEYED NOTES.
- ALL PRODUCTS LISTED AS BASIS-OF-DESIGN SHALL BE SUBMITTED AS NOTED, OR OTHER APPROVED EQUAL.

DIVISION 1 – GENERAL REQUIREMENTS

- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE 2018 NORTH CAROLINA EXISTING BUILDING CODE, 2018 NORTH CAROLINA BUILDING CODE, ANSI 117.1, AND ALL OTHER APPLICABLE CODES ACCORDING TO THE AUTHORITIES HAVING JURISDICTION.
- ALL WORK SHALL BE PERFORMED BY QUALIFIED AND APPROPRIATELY LICENSED PERSONNEL.
- GC RESPONSIBLE FOR THE COORDINATION AND REVIEW RELATED TO ALL PERMITS, FEES, ETC. ASSOCIATED WITH THIS SCOPE OF WORK AS WELL AS COORDINATING AND SCHEDULING ALL REQUIRED INSPECTIONS. ARCHITECT AND OWNER TO BE NOTIFIED OF SCHEDULED INSPECTION WITH 3 DAYS NOTICE SO THEY CAN WITNESS THE INSPECTION IF DESIRED.
- CONTRACTOR RESPONSIBLE FOR FIELD VERIFYING ALL UTILITIES AND UNDERGROUND ITEMS AS REQUIRED FOR THIS SCOPE OF WORK. CONDITIONS THAT PROHIBIT THE WORK FROM BEING PERFORMED AS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR EVALUATION BEFORE CONTINUING WITH WORK.
- CONTRACTOR RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION. ANY DISCREPANCIES FROM THE DRAWINGS SHALL BE CONVEYED TO THE ARCHITECT FOR EVALUATION PRIOR TO CONTINUING WORK.
- CONTRACTOR RESPONSIBLE FOR COORDINATING ALL SCHEDULES WITH OWNER AND ARCHITECT PRIOR TO START OF CONSTRUCTION.
- CLEAN ALL SPACES WHERE DEMOLITION/CONSTRUCTION HAS OCCURRED AT THE CLOSE OF EACH DAY, MAINTAINING A CLEAN AND SAFE SITE IS THE RESPONSIBILITY OF THE GC.
- COORDINATE ALL PLUMBING, MECHANICAL, ELECTRICAL WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR EVALUATION PRIOR TO CONTINUING WORK.
- CONTRACTOR SHALL COORDINATE THE USE OF THE PREMISES UNDER THE DIRECTION OF THE OWNER.
- FINAL CLEANING OF THE BUILDING AND SITE SHALL BE BY THE GENERAL CONTRACTOR PRIOR TO OCCUPANCY.
- THIS PROJECT DOES NOT INCLUDE STORAGE, DISPENSING OR USE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS, FLAMMABLE GAS, OR HAZARDOUS SUBSTANCES.
- LOCATION OF ELECTRICAL, MECHANICAL, AND PLUMBING FIXTURES INDICATED ON ARCHITECTURAL BACKGROUNDS ARE FOR LOCATIONS PURPOSES ONLY. REFER TO ENGINEERING DRAWINGS FOR FINAL TYPES AND QUANTITIES.
- PROJECT LAYDOWN AND CONTRACTOR PARKING SHALL BE COORDINATED WITH THE OWNER.
- DELEGATED DESIGNS SHALL BE SUBMITTED TO THE DESIGNER AND OWNER FOR REVIEW AND APPROVAL. SUBMIT TO AHP FOR FINAL REVIEW AFTER OWNER AND DESIGNER APPROVAL. DELEGATED DESIGN DRAWINGS MUST BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF NC.
- MANUFACTURER EQUALS: PRODUCTS LISTED HEREIN ARE THE BASIS-OF-DESIGN SELECTIONS. ALTERNATE MANUFACTURERS ARE ACCEPTABLE IF THEY CAN PROVIDE A PRODUCT OF EQUAL QUALITY AND PERFORMANCE. CONTRACTOR SHALL BE RESPONSIBLE TO PROVE THE ALTERNATE PRODUCTS ARE EQUAL TO THE SPECIFIED BASIS-OF-DESIGN.
- WARRANTY:
 - 1-YEAR WORKMANSHIP WARRANTY: CONTRACTOR TO PROVIDE A 1-YEAR WORKMANSHIP WARRANTY BEGINNING ON THE DATE OF SUBSTANTIAL COMPLETION.
 - STANDARD MANUFACTURER WARRANTIES SHALL BE PROVIDED FOR ALL MATERIALS AND INSTALLATION PROVIDED AS PART OF THIS SCOPE OF WORK. UNO, ALL WARRANTIES SHALL BEGIN ON THE DATE OF SUBSTANTIAL COMPLETION.
 - CONTRACTOR TO SUBMIT SAMPLE WARRANTIES TO OWNER/ARCHITECT FOR REVIEW AND APPROVAL.
- ALLOWANCES: SEE FRONT-END SPECIFICATION MANUAL.
- UNIT PRICES: SEE FRONT-END SPECIFICATION MANUAL.
- ALTERNATES: SEE FRONT-END SPECIFICATION MANUAL.

DIVISION 2 – EXISTING CONDITIONS

- CONTRACTOR SHALL PROVIDE APPROPRIATE PROTECTION, BRACING, CONTAINMENTS, AND/OR DUST PARTITIONS AS NEEDED FOR DEMOLITION UNTIL NEW CONSTRUCTION IS COMPLETE TO PROTECT EXISTING SPACES OUTSIDE WORK AREA.

- HAZARDOUS MATERIALS ARE EXPECTED WITHIN THE PROJECT AREA. ABATEMENT OF HAZARDOUS MATERIALS AND REMEDIATION OF THE MOLD IS INCLUDED AS PART OF THIS SCOPE OF WORK. REFER TO SPECIFICATION MANUAL FOR ADDITIONAL INFORMATION.SHOULD ANY EXISTING CONDITIONS DEVIATE FROM THE CONTRACT DOCUMENTS SUCH THAT THE SCOPE OF WORK IS IMPACTED, THE GC SHALL IMMEDIATELY NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND FINISHES PRIOR TO THE START OF ANY WORK. DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR EVALUATION BEFORE CONTINUING WITH WORK.
- CONTRACTOR SHALL OFFER OWNER FIRST RIGHT OF REFUSAL FOR ALL SALVAGEABLE ITEMS.
- DEMOLITION PLANS AND DETAIL INDICATE THE GENERAL INTENT AND ARE NOT INTENDED TO SHOW ALL ITEMS TO BE REMOVED OR RETAINED. THE G.C. SHALL VISIT THE SITE PRIOR TO THE SUBMISSION OF BIDS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND EXTENT OF WORK OUTLINED HEREIN.
- SELECTIVE DEMOLITION IS TO INCLUDE (BUT NOT LIMITED TO) ITEMS DASHED ON DEMOLITION DRAWINGS AND AS NOTED IN KEYED DEMOLITION NOTES.
- ITEMS TO BE DEMOLISHED ARE SHOWN DASHED WITH DIAGONAL HATCH. IN LOCATIONS WHERE RATED WALLS REQUIRE DEMOLITION, DIAGONAL HATCH EXTENDS BEYOND WALL CAVITY ON BOTH SIDES FOR ILLUSTRATIVE PURPOSES ONLY TO HELP IDENTIFY THE LOCATION WHERE DEMOLITION IS NEEDED.
- ADDITIONAL DEMOLITION WORK ASSOCIATED WITH MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS IS REQUIRED. REFER TO FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION. CONTRACTOR TO COORDINATE WITH OTHER TRADES.
- EXTENT OF DEMOLITION IS TO BE LIMITED TO THE EXTENT REQUIRED FOR NEW WORK. PROTECT ALL ITEMS AND EXISTING SURFACES TO REMAIN FROM DAMAGE AS REQUIRED. ANY EXISTING TO REMAIN SCOPE THAT IS DAMAGED AS PART OF THE WORK SHALL BE PATCHED, REPAIRED, PRIMED, PAINTED, ETC. TO MATCH EXISTING ADJACENT SURFACES. SUCH WORK SHALL BE AT THE SOLE DISCRETION OF THE ARCHITECT AND OWNER UNLESS UNEQUIVOCAL PHOTOGRAPHIC OR VIDEO DOCUMENTATION IS PROVIDED PROVING THAT THE ITEMS IN QUESTION WERE NOT DAMAGED AS A FUNCTION OF WORK ASSOCIATED WITH THIS SCOPE OF WORK.
- SHOULD ANY ENTITY OTHER THAN THOSE UNDER CONTRACT FOR THIS SCOPE OF WORK DAMAGE ANY ITEMS WITHIN THE LIMITS OF DISTURBANCE FOR THIS PROJECT, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT IMMEDIATELY.
- ITEMS NOT BEING SALVAGED SHALL BE TRANSPORTED AND DISPOSED OF IN A LEGAL MANNER IN ACCORDANCE WITH ALL APPLICABLE CODES. RETAIN ALL DISPOSAL RECORDS.
- CLEAN AND PREPARE ALL EXISTING SURFACES/SUBSTRATES TO REMAIN AS REQUIRED FOR PROPER INSTALLATION OF NEW FINISHES AS SPECIFIED AND PER MANUFACTURER'S RECOMMENDATIONS AND CONTRACT DOCUMENTS. FILL HOLES, REMOVE MISCELLANEOUS ITEMS, AND PATCH AS REQUIRED TO MATCH EXISTING ADJACENT WALL FINISH. PREP FOR PRIME AND PAINT AS NEEDED FOR CLEAN, UNBLEMISHED SURFACE.
- G.C. SHALL NOTIFY THE OWNER AND ARCHITECT OF ANY UNANTICIPATED HIDDEN CONDITIONS ENCOUNTERED DURING THE DEMOLITION FOR ADDITIONAL DIRECTION.
- EXISTING FLOORS RECEIVING NEW FINISHES SHALL BE CLEANED AND PREPPED AS REQUIRED PER MANUFACTURER RECOMMENDATIONS AND REQUIREMENTS FOR THE APPLICATION SHOWN, INCLUDING BUT NOT LIMITED TO CHEMICAL REMOVAL OF ADHESIVES AND/OR FLOOR LEVELING. IRREGULAR SURFACES WILL NOT BE ACCEPTED. PROVIDE FLOOR LEVELING COMPOUND IN ALL AREAS OF DEMOLITION AND RENOVATION WORK AS REQUIRED FOR PROPER INSTALLATION OF NEW FINISHES PER MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
- MATCH EXISTING IMPLIES MATERIAL, TYPE, QUALITY, COLOR, PATTERN, TEXTURE, ETC.
- UNTAGGED DOORS INDICATE NO WORK.

DIVISION 3 – CONCRETE (NOT APPLICABLE)

DIVISION 4 – MASONRY (NOT APPLICABLE)

DIVISION 5 – METALS (NOT APPLICABLE)

DIVISION 6 – WOOD & COMPOSITES

- MISCELLANEOUS WOOD MATERIALS FOR FURRING, BLOCKING, SHIMS, OR HANGARS AS REQUIRED. PROVIDE SOFTWOOD OR HARDWOOD LUMBER. KILN-DRIED TO MAXIMUM OF 15% MOISTURE. OFFER OWNER AND ARCHITECT AN IN-WALL WALK-THROUGH TO REVIEW PLACEMENT OF ALL BLOCKING AND WHAT EACH SECTION OF BLOCKING IS INTENDED TO SUPPORT.
- ALL WOOD BLOCKING, CLEATS, GROUNDS, SHEATHING AND OTHER MISC. CARPENTRY ITEMS SHALL BE FIRE RETARDANT TREATED.
- NEW WOOD ROOF FRAMING AS OUTLINED IN STRUCTURAL DRAWINGS. MEMBERS SHALL MEET PERFORMANCE/SPECIFICATION CRITERIA AS OUTLINED ON STRUCTURAL DRAWINGS, OR AS NOTED HEREIN, WHICHEVER IS MORE ROBUST.
- PROVIDE SOFTWOOD OR HARDWOOD LUMBER, KILN-DRIED TO MAXIMUM OF 15% MOISTURE.
- PROVIDE AND INSTALL NEW HURRICANE TIES AT EXISTING TRUSS CONNECTIONS AS OUTLINED IN STRUCTURAL DRAWINGS.
- SHEATHING
- PLYWOOD ROOF SHEATHING TO MATCH EXISTING ADJACENT THICKNESS.
 - EXPOSURE 1 CLASSIFICATION
 - SPECIES – SOUTHERN YELLOW PINE OR SIMILAR
 - OSB NOT PERMITTED
- MISC. PLYWOOD SHEATHING:
 - 5/8" PLYWOOD, EXPOSURE 1 CLASSIFICATION
 - SPECIES – SOUTHERN YELLOW PINE OR SIMILAR
 - OSB NOT PERMITTED

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

- ASPHALT SHINGLES
- SHINGLES
 - BASIS-OF-DESIGN: TIMBERLINE HDZ. BY GAF; COLOR TO BE SELECTED FROM MANUF. FULL RANGE
 - WIND RATING: 150MPH
 - WARRANTY: GOLD PLEDGE WARRANTY & WINDPROVEN LIMITED WIND WARRANTY BY GAF; FOR MINIMUM OF 40 YEARS
- SHINGLE ACCESSORIES
 - STARTER STRIP: PRO-START STARTER STRIP SHINGLES BY GAF
 - ROOF FELT: FELTBUSTER SYNTHETIC ROOF FELT BY GAF
 - PROVIDE 2 LAYERS AS REQ'D FOR LOW-SLOPE ROOF ASSEMBLIES PER MANUF. REQ'S.
 - RIDGE CAP: TIMBERTEX BY GAF
 - ATTIC VENTILATION: CORBA RIDGEVENT 3 BY GAF
 - MIN. FREE AREA FOR BUILDING IS 3,567 SQUARE INCHES.
- MISC. ROOFING ACCESSORIES
 - DRIP EDGE – PREFINISHED ALUMINUM
 - FLASHING – STAINLESS STEEL
 - TERMINATION BAR – STAINLESS STEEL
 - VENT THROUGH ROOF: LEAD OR COPPER ROOF BOOT THAT TURNS DOWN INTO TOP OF VENT. PROVIDE ADDITIONAL MANUFACTURER STANDARD PENETRATION FLASHING/ RUBBER BOOT
- BAFFLE RAFTER VENTS – INSTALLED IN EACH VOID BETWEEN RAFTERS AT THE EAVE AND THE LOCATION WHERE ORIGINAL MONITOR AND GABLE ROOF COME TO A PINCH POINT. REFER TO DRAWINGS.
- ALTERNATE MANUFACTURERS: CERTAINTED, OWENS CORNING
 - MUST BE ABLE TO PROVIDE WARRANTY EQUAL TO BASIS-OF-DESIGN
 - ALL ROOFING SYSTEM ITEMS MUST BE SINGLE SOURCED

- EAVE AND RAKE FASCIA – PREFINISHED ALUMINUM, COLOR SELECTED FROM MANUF. FULL RANGE.
- SOFFIT PANELS – PREFINISHED ALUM SOFFIT PANELS, V-GROOVE PERFORATED. COLOR SELECTED FROM MANUF. FULL RANGE.
 - MIN. FREE AREA FOR BUILDING IS 3,567 SQUARE INCHES.
- PROVIDE NEW SEALANT AS REQUIRED AT ALL NEW EXTERIOR DOORS, WINDOWS, PENETRATIONS, JOINTS, ETC. TO ENSURE WEATHER TIGHT CONSTRUCTION. INSTALLED PRODUCT SHALL BE WARRANTED TO BE FREE OF DEFECTS IN MATERIAL, LABOR, WORKMANSHIP, AND INSTALLATION FOR A PERIOD OF 20 YEARS.

DIVISION 8 – OPENINGS

- SEE OPENING SCHEDULE FOR ALL WINDOW SIZES. CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS. INTENT IS NEW FRAMING SYSTEM TO MATCH MULLION PATTERN OF EXISTING WINDOWS.
- EXTERIOR STOREFRONT ENTRANCES TO BE THERMALLY BROKEN EXTRUDED ALUMINUM FRAMING SYSTEM WITH 1" INSULATED LOW-E GLAZING.
- BASIS-OF-DESIGN YES 45 TU FRONT-SET THERMALLY BROKEN FRAMING AS MANUFACTURED BY YKK AP AMERICA, INC.
- FRAME PROFILE: 2" FACE AND 4.5" DEPTH
- COLOR: BLACK ANODIZED FINISH TO MATCH EXISTING FRAMING ADJACENT.
- FRAMING SYSTEM TO BE COMPLIANT WITH AIR AND WATER INFILTRATION RATES AS REQUIRED BY APPLICABLE ASTM STANDARDS.
- FRAMING SYSTEM SHALL BE DESIGNED TO WITHSTAND ALL APPLICABLE WIND LOADS AND SHALL COMPLY WITH MAXIMUM ALLOWABLE DEFLECTIONS OR ASTM REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE SUBMITTALS INCLUDING PRODUCT DATA, COLOR SAMPLES, AND SHOP DRAWINGS TO THE DESIGNER FOR REVIEW AND FINAL SELECTION OF COLOR.
- SUBMIT PRODUCT DATA, MATERIAL SAMPLES, AND SHOP DRAWINGS TO OWNER/ARCHITECT FOR REVIEW AND APPROVAL.
- EXTERIOR GLAZING SHALL BE 1" INSULATED UNITS CONSISTING OF THE FOLLOWING CONSTRUCTION:
 - EXTERIOR LITE SHALL BE 1/2" ULTRA-CLEAR TEMPERED GLASS.
 - LOW-E COATING ON SURFACE #2
 - 1/2" AIR SPACE
 - INTERIOR LITE SHALL BE 1/2" ULTRA-CLEAR TEMPERED GLASS
 - SUBMIT PRODUCT DATA, MATERIAL SAMPLES, AND SHOP DRAWINGS TO OWNER/ARCHITECT FOR REVIEW AND APPROVAL.
 - TEMPERED GLAZING MUST BE PROVIDED IN ALL LOCATIONS AS REQUIRED BY CODE.

DIVISION 9 – FINISHES (NOT APPLICABLE)

DIVISION 10 – SPECIALTIES (NOT APPLICABLE)

DIVISION 11 – EQUIPMENT

- EXISTING EQUIPMENT TO REMAIN IN WORK AREA SHALL BE PROTECTED IN PLACE AND MOVED AS NEEDED TO COMPLETE SCOPE AS IDENTIFIED WITHIN THE CONTRACT DOCUMENTS. SITE VISIT BY CONTRACTORS AT PRE-BID MEETING REQUIRED TO REVIEW THE EQUIPMENT THAT WILL REMAIN IN THE BUILDING FOR CONSTRUCTION DURATION.

DIVISION 12 – FURNISHINGS (NOT APPLICABLE)

DIVISION 13 – SPECIAL CONSTRUCTION (NOT APPLICABLE)

DIVISION 14 – CONVEYING EQUIPMENT (NOT APPLICABLE)

DIVISIONS 21, 22, 23, AND 26 – FIRE PROTECTION, PLUMBING, MECHANICAL, & ELECTRICAL

- SYSTEMS/ASSEMBLIES INDICATED ON PLANS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR TO PROVIDE ALL NECESSARY HANGARS, FASTENERS, ETC TO PROVIDE A COMPLETE & WORKING ASSEMBLY.
- REMOVE ANY AND ALL DAMAGED ELECTRICAL AND FIRE ALARM WIRING, DEVICES, AND FIXTURES, INCLUDING ANY OF THE PRECEDING MENTIONED ITEMS EXPOSED TO WATER, UNLESS NOTED OTHERWISE.
- ALL WIRING THAT IS TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY BACK TO THE ELECTRICAL PANEL.
- ITEMS THAT ARE IN GOOD WORKING CONDITION AND ARE UNAFFECTED BY WATER CAN REMAIN IN PLACE.
- ALL ITEMS REMOVED SHALL BE PROPERLY CAPPED AND TERMINATED AS PART OF THIS SCOPE OF WORK.
- ALL LIGHTS THAT CAN BE REINSTALLED IN WORKING ORDER SHALL BE TURNED OVER TO THE OWNER FOR FUTURE RE-INSTALLATION.
- REMOVE ALL HVAC DIFFUSERS, GRILLS, AND DUCTWORK THROUGHOUT THE BUILDING.
- REMOVE ALL HVAC AIR HANDLERS, CONDENSERS, HEAT PUMPS, ETC THROUGHOUT THE BUILDING.
- NO WORK ON THE PLUMBING SYSTEM IS INCLUDED IN THIS SCOPE OF WORK.
- NO FIRE PROTECTION SYSTEM IS EXISTING IN THE BUILDING; NO SCOPE IS ASSOCIATED WITH FIRE PROTECTION IN THIS SCOPE OF WORK.

DIVISION 31, 32, & 33 – EARTHWORK, EXTERIOR IMPROVEMENTS, & UTILITIES

- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH LOCAL UTILITY PROVIDERS FOR ALL SITE WORK. CONTRACTOR RESPONSIBLE TO LOCATE ALL EXISTING UTILITIES AND INFRASTRUCTURE PRIOR TO START OF WORK. CONTRACTOR TO WORK AROUND ANY AND ALL EXISTING UTILITIES TO LEAVE ITEMS OUTSIDE OF SCOPE UNDISTURBED. SHOULD THE CONTRACTOR UNCOVER ANY UNKNOWN UNDERGROUND ITEMS, STOP WORK IMMEDIATELY AND INFORM THE OWNER/ARCHITECT FOR REVIEW AND DIRECTION.



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DRAWN BY: DJH/JO
PROJECT #: 20014
ISSUE DATE: 07/07/23

PHASE:
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SHEET NAME & NUMBER

GENERAL NOTES & SPECIFICATIONS

G3.01



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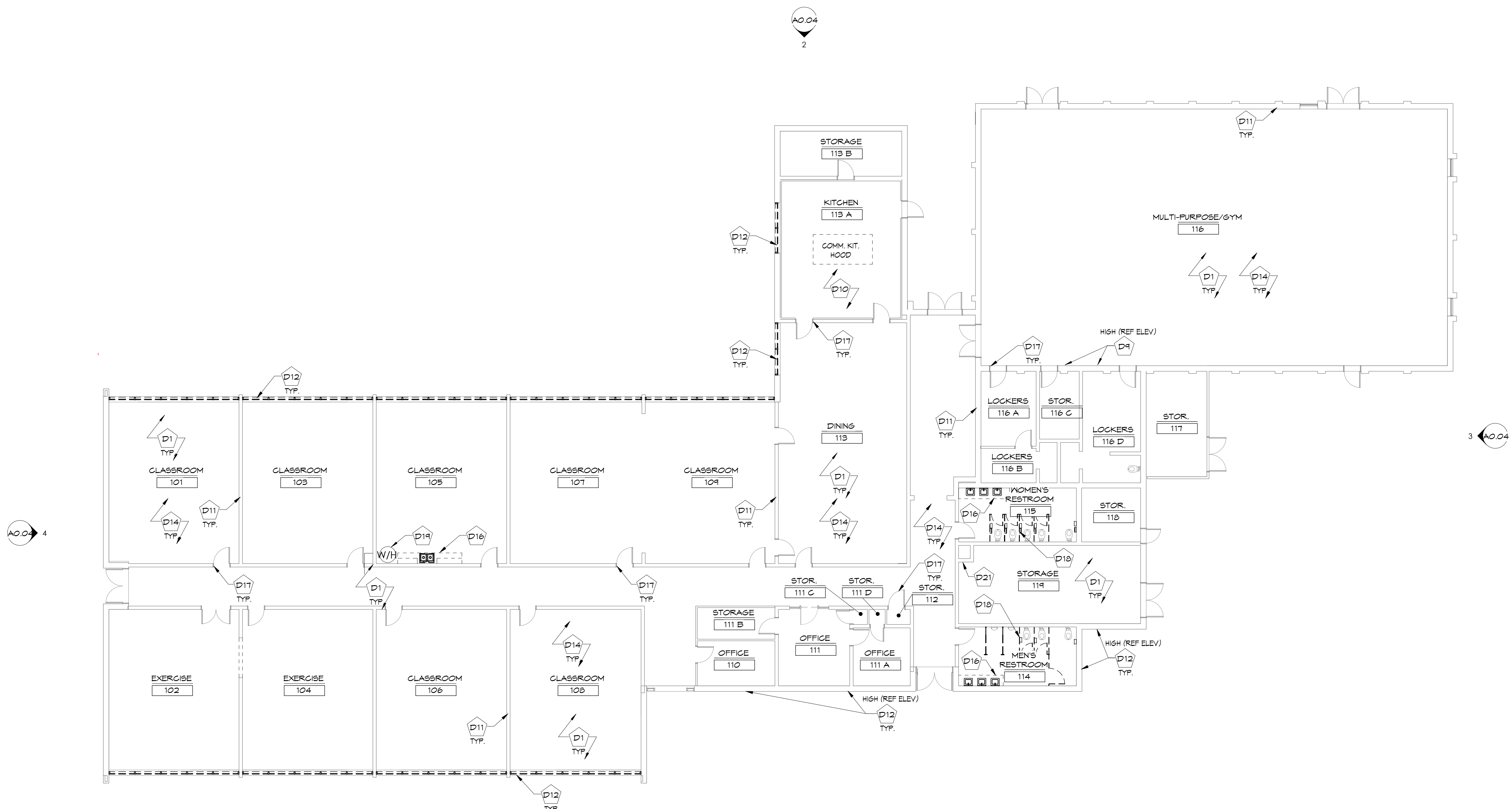
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PROJECT #: 20014
ISSUE DATE: 07/07/23
PHASE:
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SHEET NAME & NUMBER
DEMO FLOOR PLAN

A0.01

- DEMO KEY NOTES**
- D1** – REMEDIATE MOLD AND ABATE ALL HAZARDOUS MATERIALS THROUGHOUT THE BUILDING INCLUDING EXISTING INTERIOR AND EXTERIOR WALLS, FLOOR FINISHES, COMMERCIAL KITCHEN EQUIPMENT, CEILING TILES, DUCT WORK, INTERIOR DOORS, DOOR FRAMES ETC.
 - D2** – DEMOLISH AND ABATE ROTTEN, DAMAGED AND COLLAPSED AREAS OF THE GABLED ROOF SYSTEM. PREP FOR INSTALLATION OF NEW ROOF FRAMING IN SOME LOCATIONS AS SHOWN. AND NEW ASPHALT SHINGLE ROOFING SYSTEM THROUGHOUT AS SHOWN IN ROOF PLAN. (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INSTRUCTIONS AND PROVISIONS.)
 - D3** – DEMOLISH AND ABATE ROTTEN, DAMAGED, AND COLLAPSED AREAS OF ORIGINAL FLAT ROOF WOOD DECKING (BELOW GABLED ROOF). (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS.) REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.
 - D4** – DEMOLISH AND ABATE AS REQUIRED ANY EXISTING ROTTEN AND WATER-DAMAGED WOOD SILL PLATES AND ORIGINAL WOOD DECKING UNDER TRUSSES (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS). REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.
 - D5** – DEMOLISH SOFFIT PANELS AND FASCIA CLADDING AROUND PERIMETER OF BUILDING. PREP FOR INSTALLATION OF NEW PRE-FINISHED ALUMINUM VENTED SOFFIT PANELS AND PRE-FINISHED ALUMINUM FASCIA CLADDING.
 - D6** – REMOVE A PORTION OF THE ROOF SHEATHING AS SHOWN ON DEMOLITION ROOF PLANS TO ACCESS THE CONNECTIONS BETWEEN THE GABLE TRUSSES AND THE WALLS BELOW. REMOVE AND REPLACE ANY DAMAGED/ROTTEN WOOD BELOW (SEE DEMO KEY NOTE D4) AND PREP FOR INSTALLATION OF NEW HURRICANE TIES (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS). REFER TO SPECIFICATIONS SHEET FOR UNIT PRICES AND ALLOWANCES.
 - D7** – REMOVE PORTION OF DAMAGED ROOF SHEATHING AS REQUIRED. PREP FOR INSTALLATION OF NEW SHEATHING TO MATCH EXISTING ADJACENT. REFER TO SPECIFICATION SHEET FOR UNIT PRICE AND ALLOWANCES.
 - D8** – DEMOLISH AND ABATE EXISTING CEILING SYSTEM (REFER TO DEMO REFLECTED CEILING PLAN)
 - D9** – REMOVE AND DEMOLISH EXISTING GYMNASIUM LOUVERS AND PREP FOR INSTALLATION OF NEW LOUVERS AS SCHEDULED.
 - D10** – REMOVE, STORE, AND PROTECT THE EXISTING COMMERCIAL KITCHEN HOOD SYSTEM AND OTHER COMMERCIAL KITCHEN EQUIPMENT. NO WORK ON EQUIPMENT IS IN THIS CONTRACT. KITCHEN HOOD SHALL BE STORED WITHIN COMMERCIAL KITCHEN SPACE.
 - D11** – ALL EXISTING MASONRY WALLS TO REMAIN, UNO.
 - D12** – DEMO EXISTING WINDOW ASSEMBLIES, UNO. PREP FOR INSTALLATION OF NEW STOREFRONT AND GLASS SYSTEM.
 - D13** – DEMOLISH EXISTING ASPHALT SHINGLES, ROOF FELTS, ETC. PREP FOR INSTALLATION OF NEW ASPHALT ROOFING SYSTEM AS SPECIFIED.
 - D14** – DEMOLISH AND ABATE THE EXISTING FLOOR FINISHES THROUGHOUT ENTIRE BUILDING. UNO. EXISTING CONCRETE SLAB ON GRADE TO REMAIN. IN MULTIPURPOSE/GYM ROOM 116, DEMO ENTIRE SPRUNG FLOOR SYSTEM DOWN TO CONCRETE BELOW.
 - D15** – EXISTING GYMNASIUM ROOF AND STRUCTURE BELOW TO REMAIN, NO WORK.
 - D16** – REMOVE EXISTING CASEWORK, CAP PLUMBING AT WALL/FLOOR.
 - D17** – EXISTING DOORS/LOUVERS AND FRAMES TO REMAIN THROUGHOUT BUILDING UNO.
 - D18** – REMOVE EXISTING BATHROOM PARTITIONS AND RESTROOM ACCESSORIES
 - D19** – EXISTING WATER HEATER TO REMAIN, NO WORK.
 - D20** – REMOVE ALL EXISTING ROOF VENTILATION WIND-DRIVEN TURBINE EXHAUST
 - D21** – EXIST CHIMNEY TO REMAIN, NO WORK.
 - D22** – REMOVE PORTION OF EXISTING ROOF SEATHING FOR VENTED RIDGE PER MANUF. REQUIREMENTS FOR FREE AREA.
- * NOTES INCLUDED ARE FOR WHOLE SET AND MAY NOT APPEAR ON EVERY SHEET**



DEMO FLOOR PLAN 1
3/32" = 1'-0"



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SHEET NAME & NUMBER

DEMO ROOF PLANS

A0.02

DEMO KEY NOTES

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D4 – DEMOLISH AND ABATE AS REQUIRED ANY EXISTING ROTTEN AND WATER-DAMAGED WOOD SILL PLATES AND ORIGINAL WOOD DECKING UNDER TRUSSES (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS). REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.

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D16 – REMOVE EXISTING CASEWORK. CAP PLUMBING AT WALL/FLOOR.

D17 – EXISTING DOORS/LOUVERS AND FRAMES TO REMAIN THROUGHOUT BUILDING UNO.

D18 – REMOVE EXISTING BATHROOM PARTITIONS AND RESTROOM ACCESSORIES

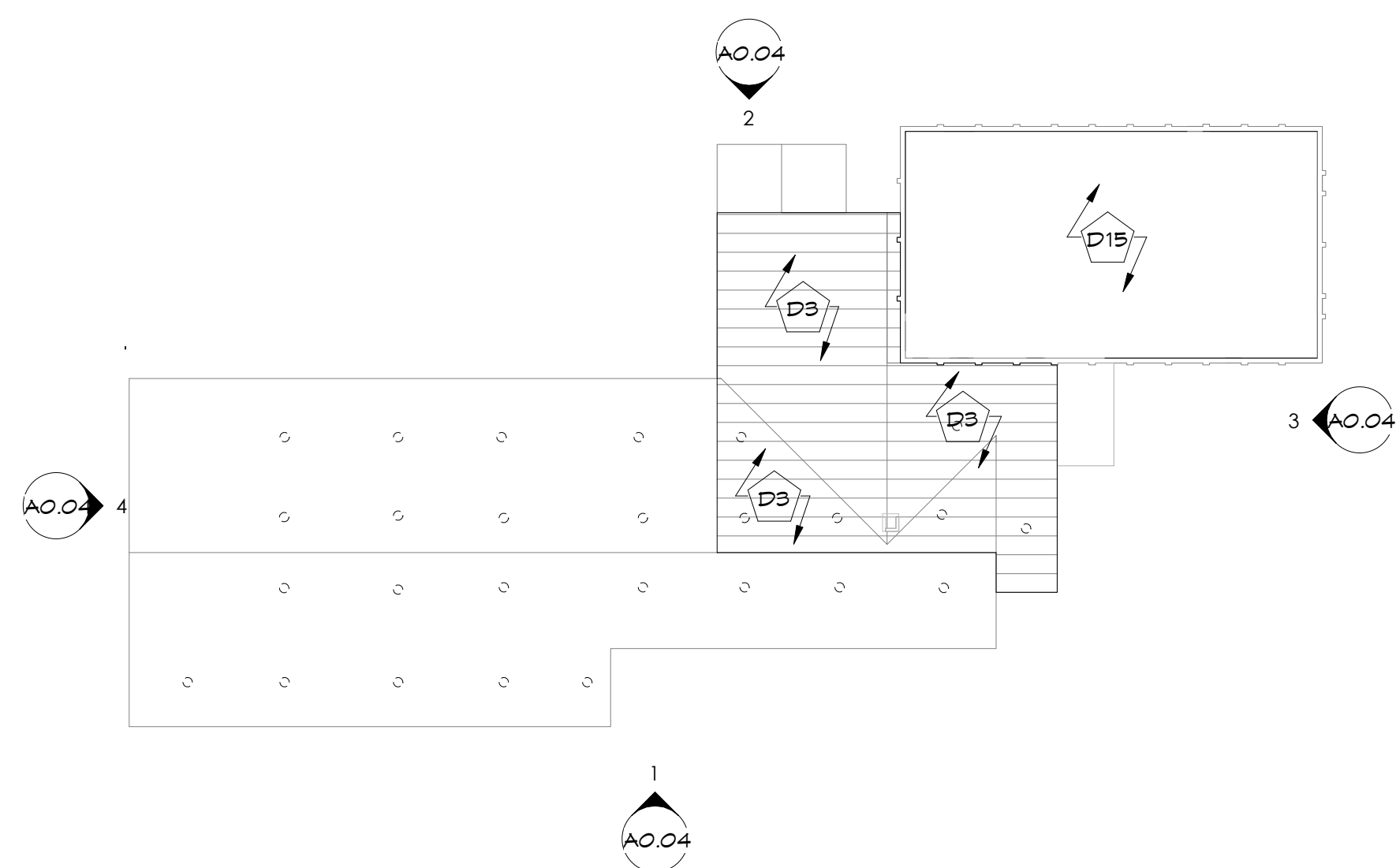
D19 – EXISTING WATER HEATER TO REMAIN, NO WORK.

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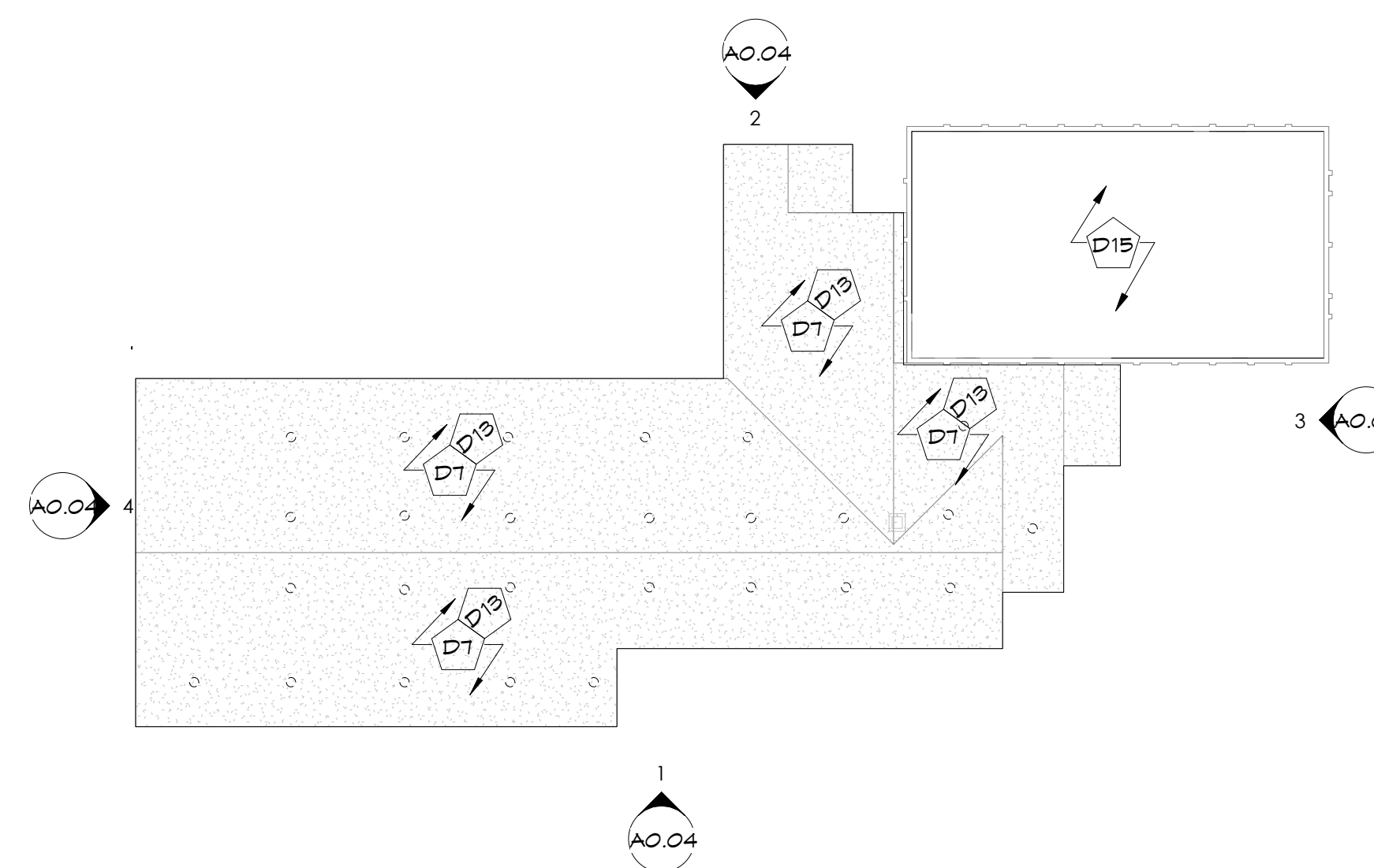
D21 – EXIST CHIMNEY TO REMAIN, NO WORK.

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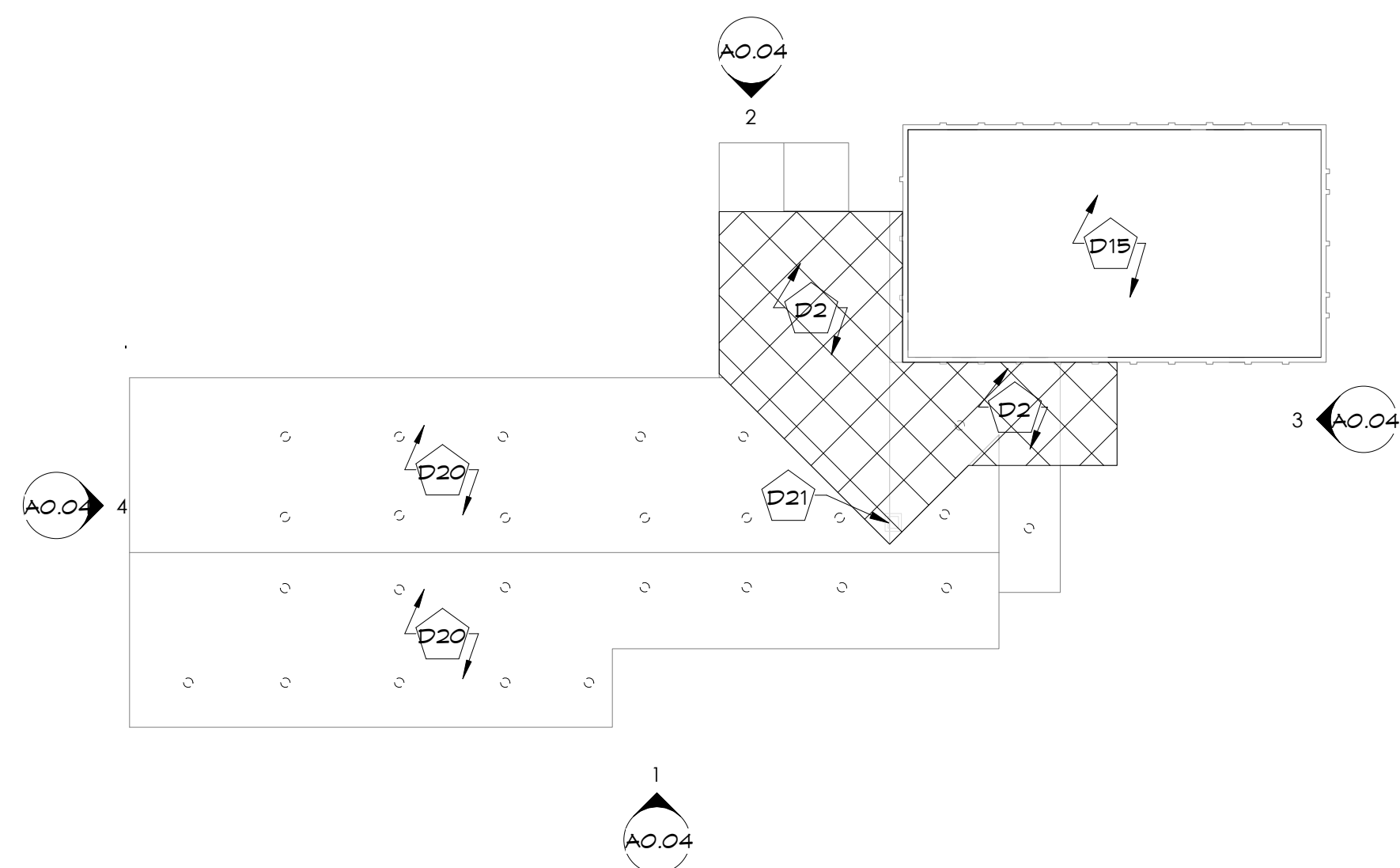
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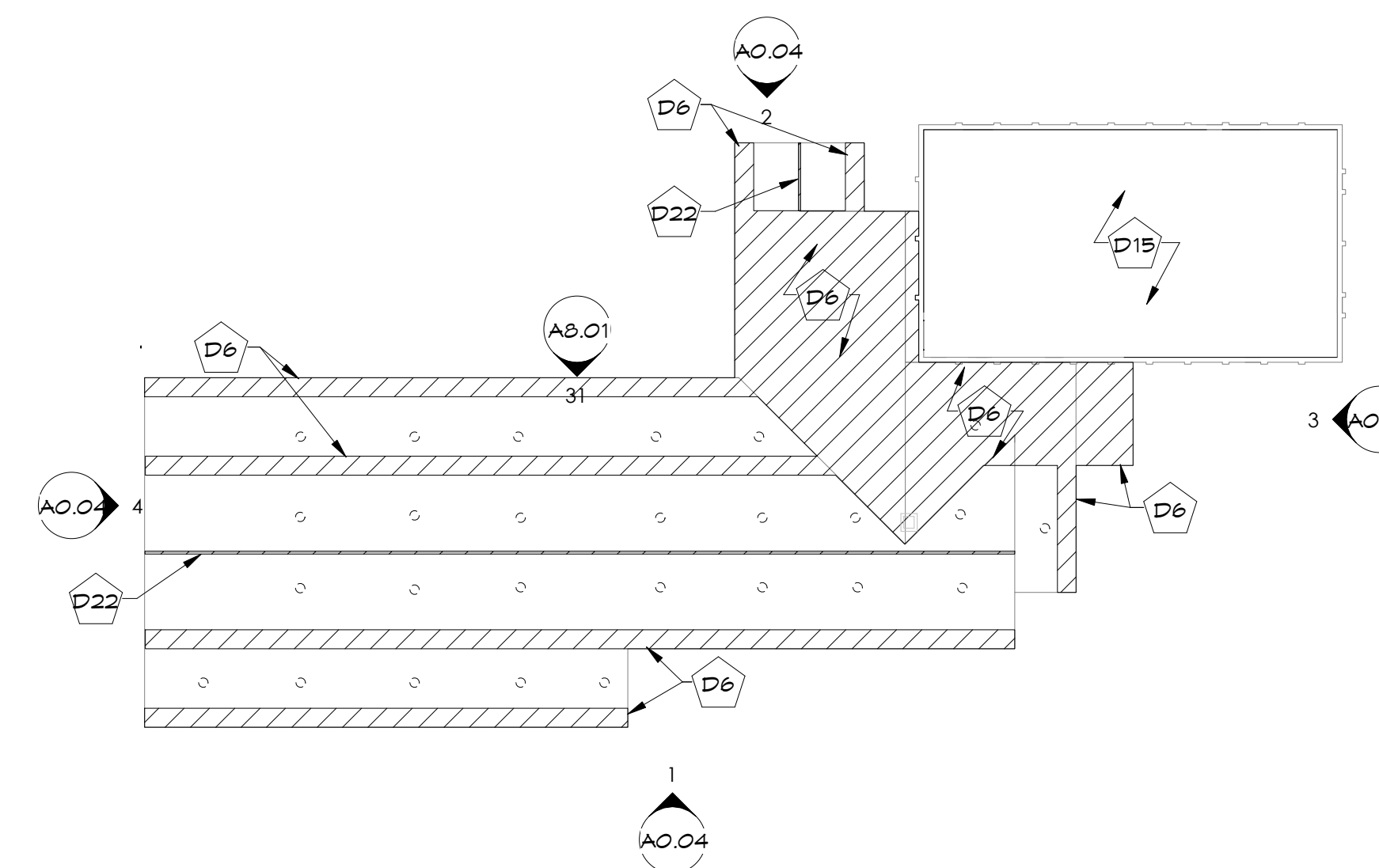
DEMO ROOF PLAN - FLAT (LOW) ROOF FRAMING & DECKING
1/32" = 1'-0" **4**



DEMO ROOF PLAN ASPHALT SHINGLE
1/32" = 1'-0" **2**



DEMO ROOF PLAN - HIGH ROOF FRAMING
1/32" = 1'-0" **3**



DEMO ROOF PLAN - ROOF SHEATHING
1/32" = 1'-0" **1**



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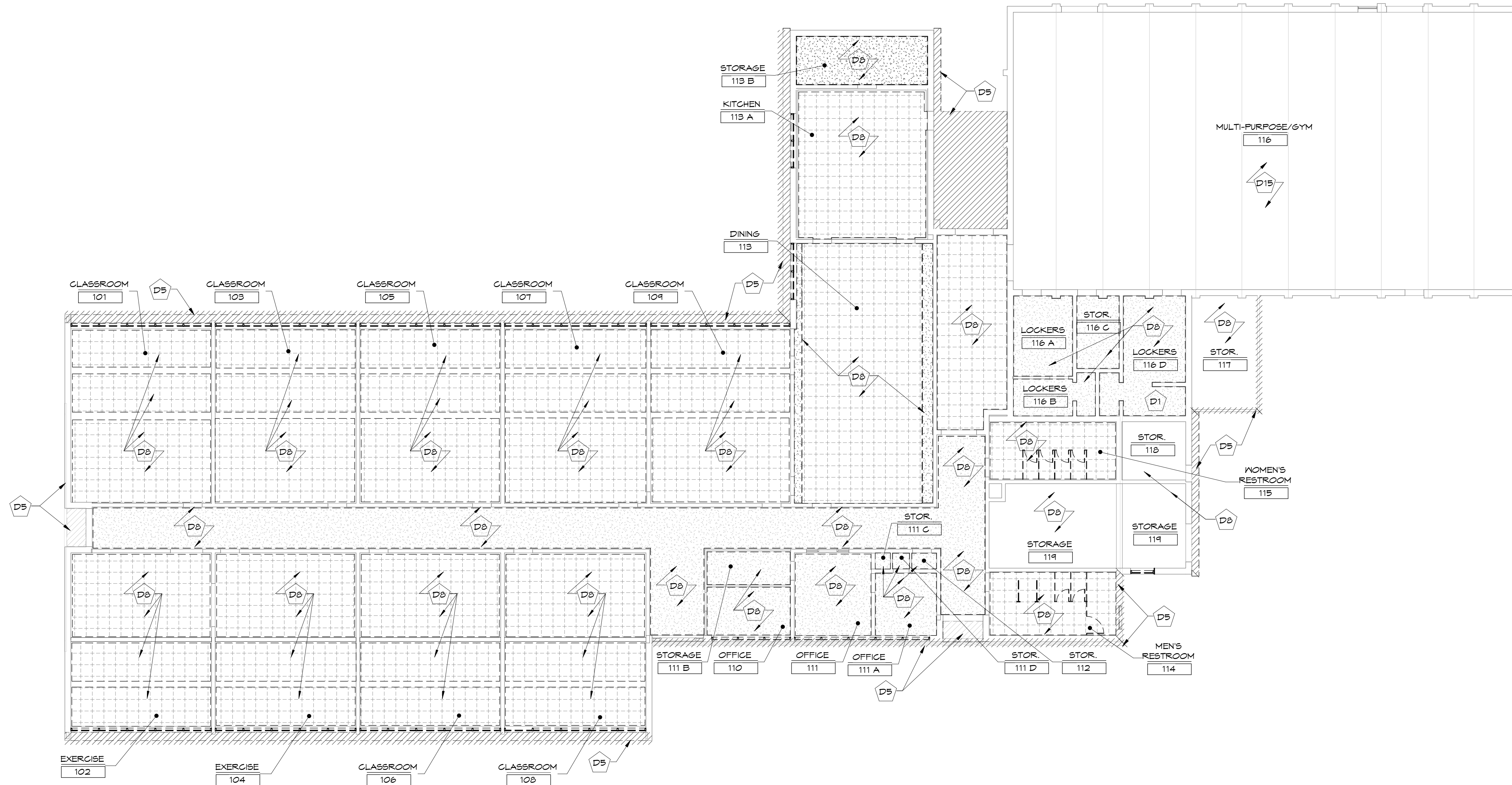
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DEMO REFLECTED CEILING PLAN 1
3/32" = 1'-0"



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DEMO REFLECTED CEILING PLAN

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SHEET NAME & NUMBER

DEMO EXTERIOR ELEVATIONS

A0.04

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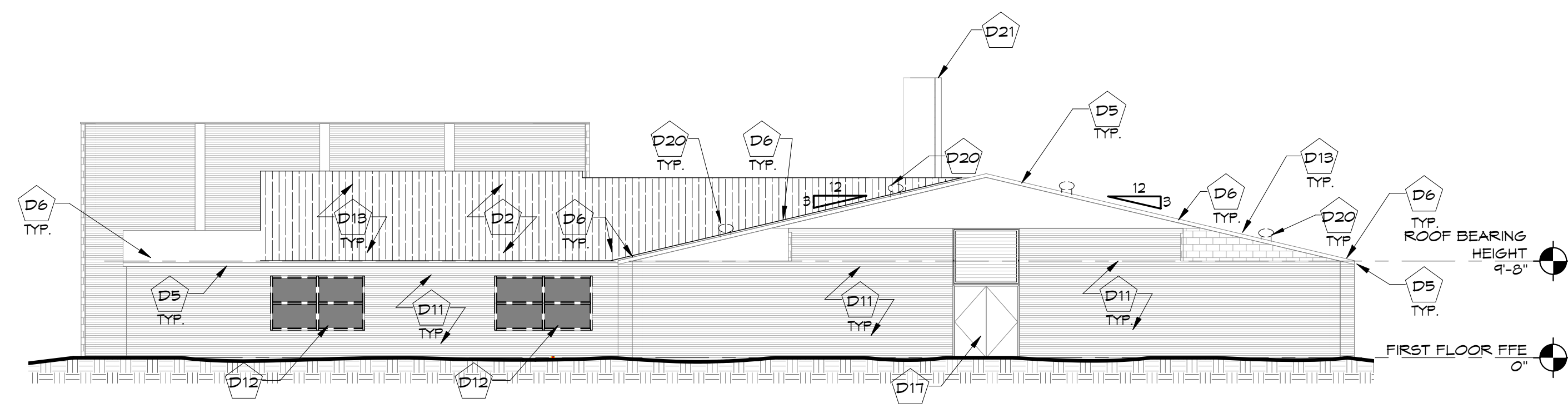
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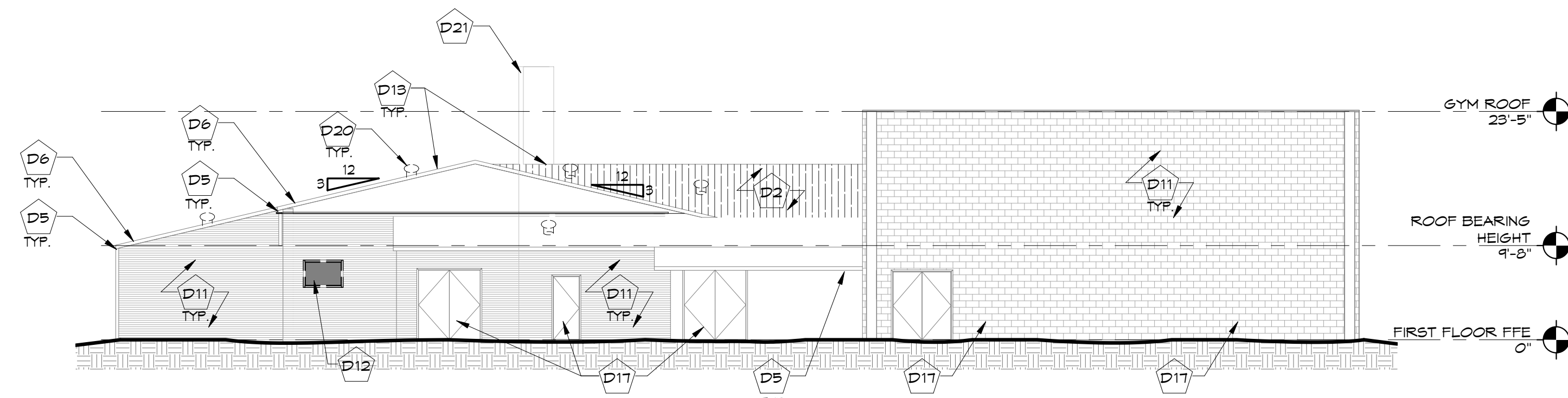
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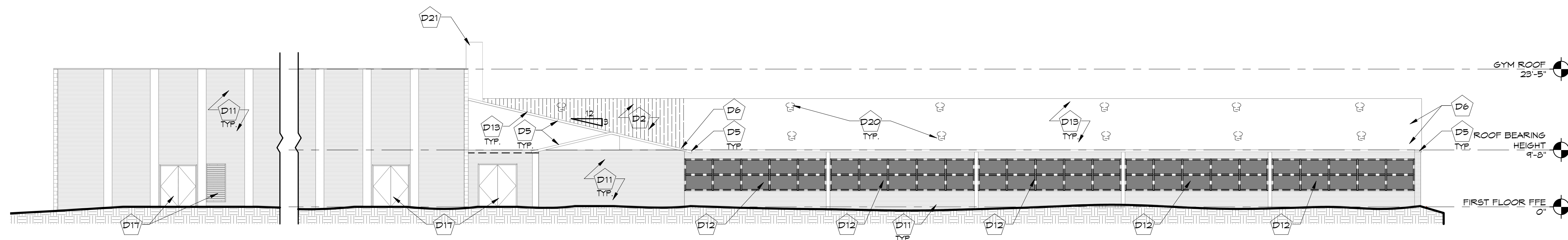
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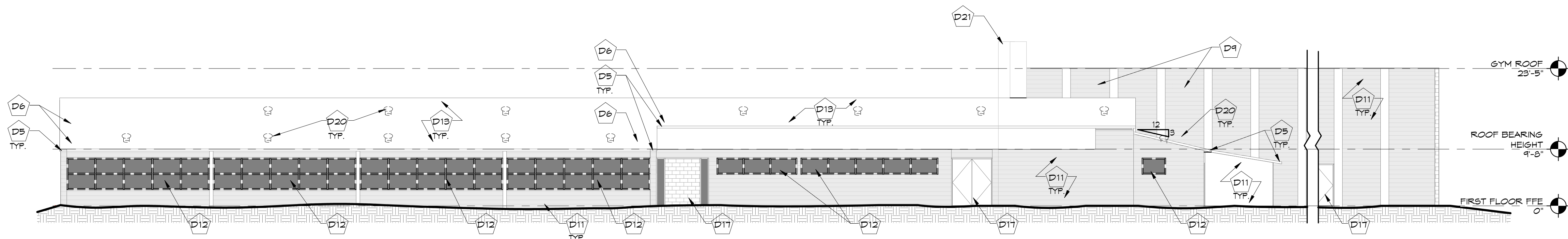
DEMO EXTERIOR ELEVATION 4
3/32" = 1'-0"



DEMO EXTERIOR ELEVATION 3
3/32" = 1'-0"



DEMO EXTERIOR ELEVATION 2
3/32" = 1'-0"



DEMO EXTERIOR ELEVATION 1
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PLAN KEY NOTES

A1 - AFTER ALL DEMOLITION AND ABATEMENT IS COMPLETE, CLEAN AND REMEDIATE MOLD THROUGHOUT THE ENTIRE BUILDING. ALL SURFACES AND ITEMS THAT ARE TO REMAIN SHALL BE CLEAN AND MOLD-FREE.

A2 - PROVIDE AND INSTALL NEW ROOF FRAMING ROOF TO MATCH THE EXISTING ROOF PROFILE. REF. DEMO DRAWINGS FOR EXTENT OF AREA TO BE REPLACED. (SEE STRUCTURAL DRAWINGS)

A3 - PROVIDE AND INSTALL NEW HURRICANE TIES AT ALL LOCATIONS WHERE EXISTING TRUSSES/ROOF FRAMING BEAR ON EXISTING WALLS (SEE STRUCTURAL DRAWINGS)

A4 - PROVIDE AND INSTALL NEW ROOF SHEATHING TO MATCH EXISTING ADJACENT. REFER TO SPECIFICATIONS SHEET FOR UNIT PRICES AND ALLOWANCES. REF. DEMO DRAWINGS FOR EXTENT OF AREA TO BE REPLACED.

A5 - WHEN ROOF IS STRUCTURALLY SOUND AND CLEAN, PROVIDE AND INSTALL TWO OFF-SET LAYERS OF ROOFING FELTS (SEE MANUFACTURER REQUIREMENTS FOR LOW-PITCHED ASPHALT SHINGLE ROOFING), AND ASPHALT SHINGLE ROOFING SYSTEM. ROOF FELT PATTERN AND FASTENING PATTERN OF SHINGLES TO MEET MANUF. REQ'S FOR REQUIRED ROOF WARRANTY. SEE SPECIFICATIONS SHEET FOR ADDITIONAL REQ'S.

A6 - PROVIDE AND INSTALL NEW PRE-FINISHED ALUMINUM DRIP EDGE, FASCIA CLADDING, AND VENTED SOFFIT PANELS AROUND PERIMETER OF BUILDING WITH GABLE ROOF.

A7 - PROVIDE AND INSTALL PRE-FINISHED ALUMINUM CONTINUOUS FLASHING WITH CONTINUOUS TERMINATION BAR IN ACCORDANCE WITH APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS. REF. DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS

A8 - PROVIDE AND INSTALL NEW HURRICANE-RATED LOUVERS AND SILL PANS WITH END DAMS (REFER TO OPENING SCHEDULE FOR SIZE, DETAIL, AND CONSTRUCTION).

A9 - PROVIDE AND INSTALL CONTINUOUS RIDGE VENT

A10 - EXISTING FLAT MEMBRANE ROOF SYSTEM TO REMAIN. NO WORK.

A11 - PROVIDE AND INSTALL NEW STOREFRONT UNO.

A12 - PROVIDE AND INSTALL NEW ALUM. STOREFRONT FRAMING & GLASS SYSTEM AS SCHEDULED.

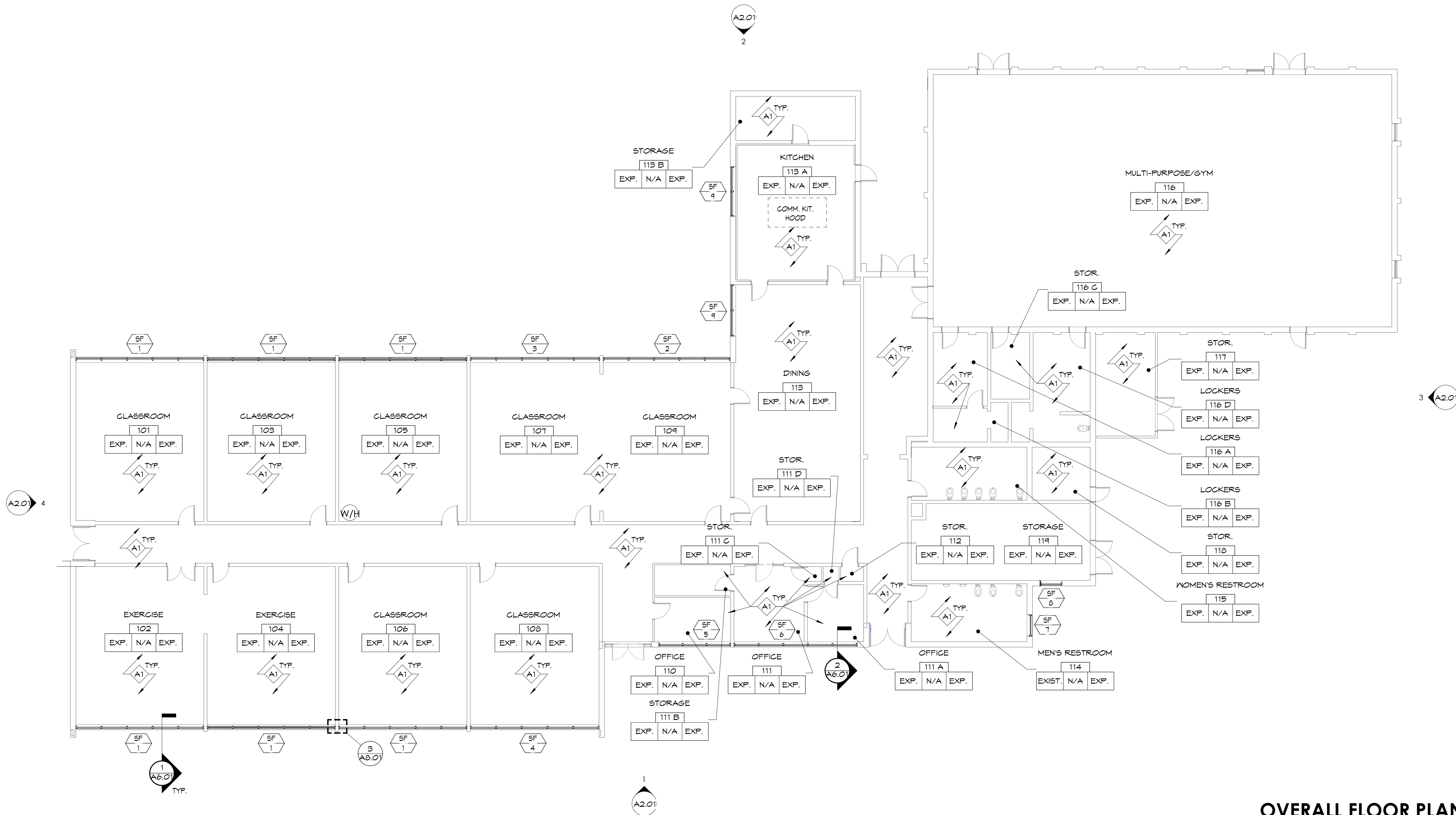
* NOTES INCLUDED ARE FOR WHOLE SET AND MAY NOT APPEAR ON EVERY SHEET

FINISH TAG LEGEND

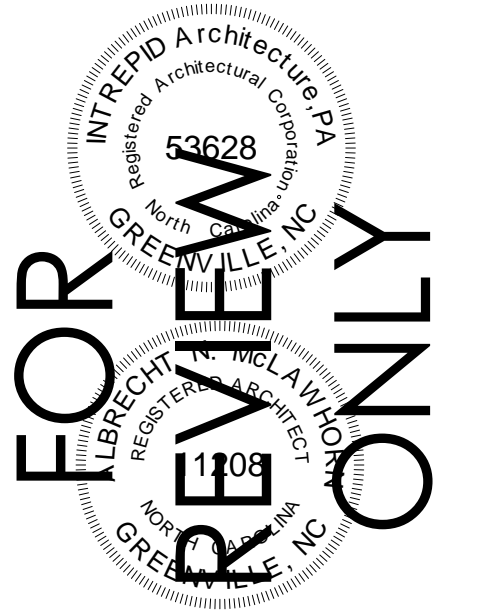
N/A - NO NEW WORK FOR SCOPE IDENTIFIED.

EXP. - EXISTING FINISH WAS BEEN REMOVED IF APPLICABLE, ABATED, MOLD REMEDIATED, AND CLEANED.

EXIST. - EXISTING FINISH TO REMAIN, REMEDIATE MOLD AND CLEAN AS REQ'D.



OVERALL FLOOR PLAN ①
3/32" = 1'-0"



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ISSUE DATE: 07/07/23

PHASE:
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SHEET NAME & NUMBER
OVERALL FLOOR PLAN

A1.01



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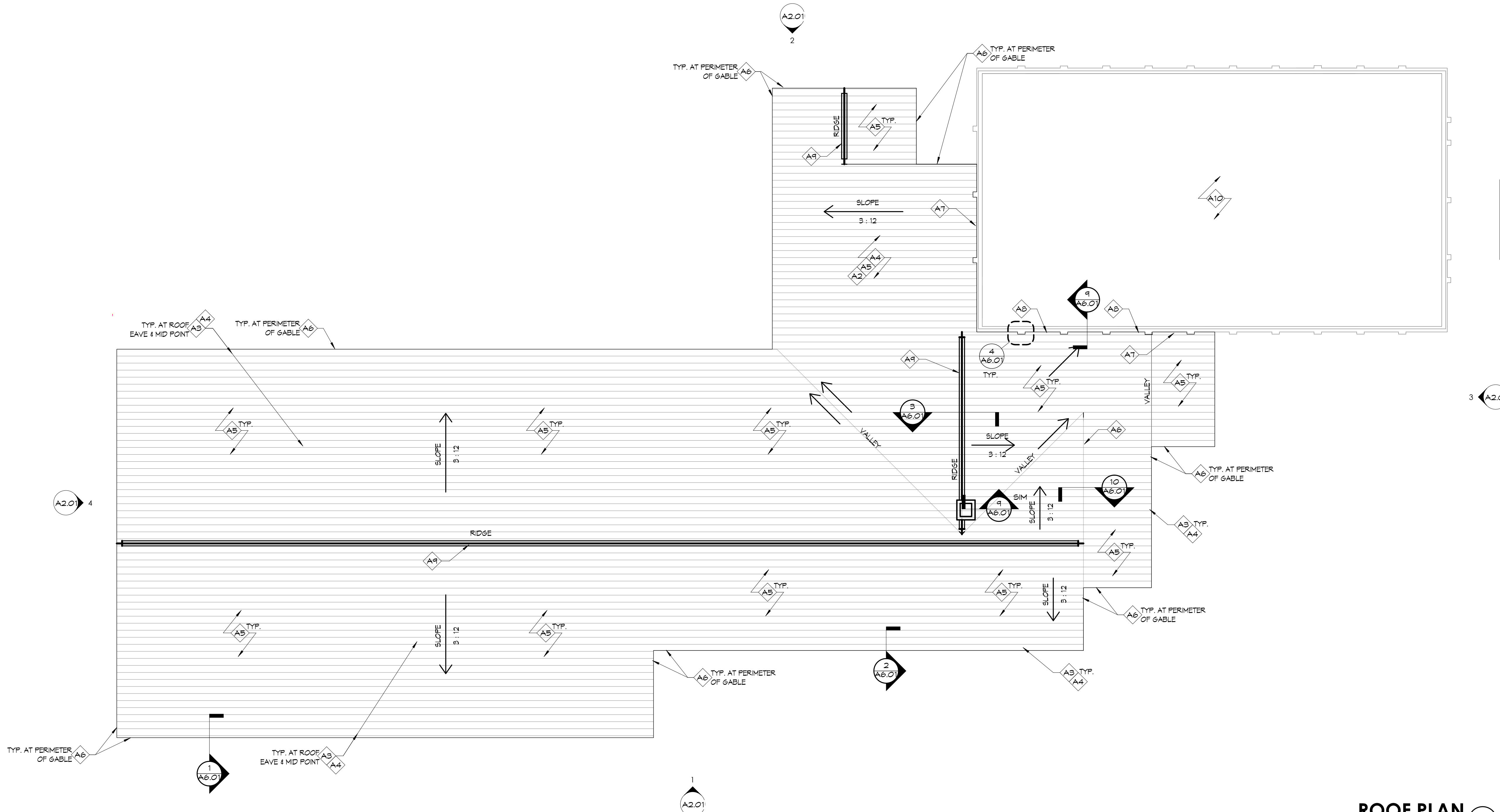
PLAN KEY NOTES

- A1** – AFTER ALL DEMOLITION AND ABATEMENT IS COMPLETE, CLEAN AND REMEDIATE MOLD THROUGHOUT THE ENTIRE BUILDING. ALL SURFACES AND ITEMS THAT ARE TO REMAIN SHALL BE CLEAN AND MOLD-FREE.
- A2** – PROVIDE AND INSTALL NEW ROOF FRAMING ROOF TO MATCH THE EXISTING ROOF PROFILE. REF. DEMO DRAWINGS FOR EXTENT OF AREA TO BE REPLACED. (SEE STRUCTURAL DRAWINGS)
- A3** – PROVIDE AND INSTALL NEW HURRICANE TIES AT ALL LOCATIONS WHERE EXISTING TRUSSES/ROOF FRAMING BEAR ON EXISTING WALLS (SEE STRUCTURAL DRAWINGS)
- A4** – PROVIDE AND INSTALL NEW ROOF SHEATHING TO MATCH EXISTING ADJACENT. REFER TO SPECIFICATIONS SHEET FOR UNIT PRICES AND ALLOWANCES. REF. DEMO DRAWINGS FOR EXTENT OF AREA TO BE REPLACED.
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- A10** – EXISTING FLAT MEMBRANE ROOF SYSTEM TO REMAIN, NO WORK.
- A11** – PROVIDE AND INSTALL NEW STOREFRONT UNO.
- A12** - PROVIDE AND INSTALL NEW ALUM. STOREFRONT FRAMING & GLASS SYSTEM AS SCHEDULED.

* NOTES INCLUDED ARE FOR WHOLE SET AND MAY NOT APPEAR ON EVERY SHEET

GENERAL ROOF NOTES

1. REF. 10/A6.01 FOR TYP. VENT THROUGH ROOF DETAIL.
2. REF. 8/A6.01 FOR TYPICAL RIDGE VENT DETAIL



ROOF PLAN 1
3/32" = 1'-0"



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ROOF PLAN

A1.02



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SHEET NAME & NUMBER

**PROPOSED EXTERIOR
ELEVATIONS**

A2.01

PLAN KEY NOTES

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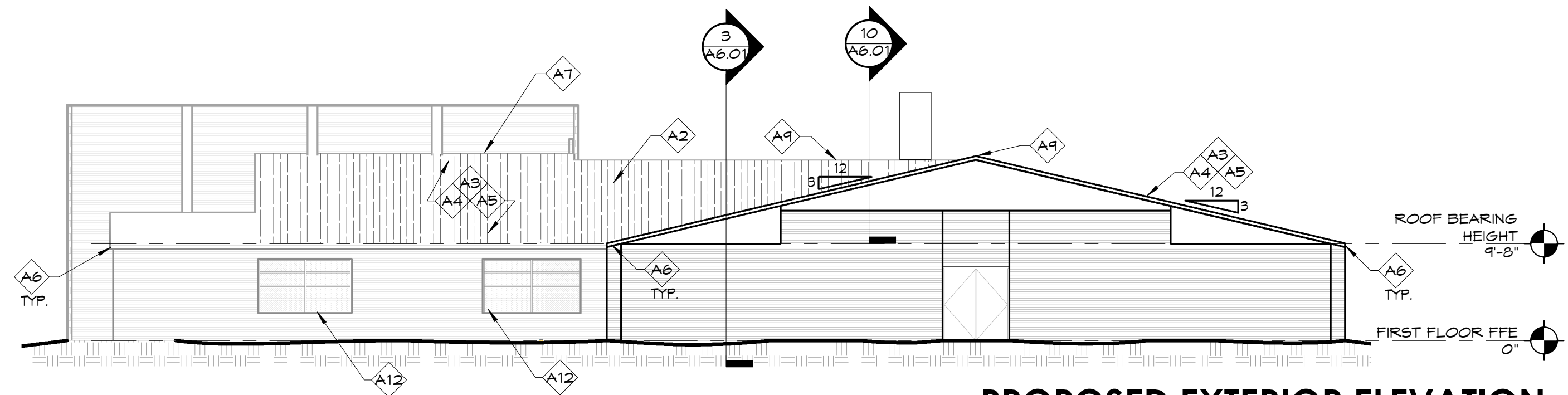
A9 – PROVIDE AND INSTALL CONTINUOUS RIDGE VENT

A10 – EXISTING FLAT MEMBRANE ROOF SYSTEM TO REMAIN, NO WORK.

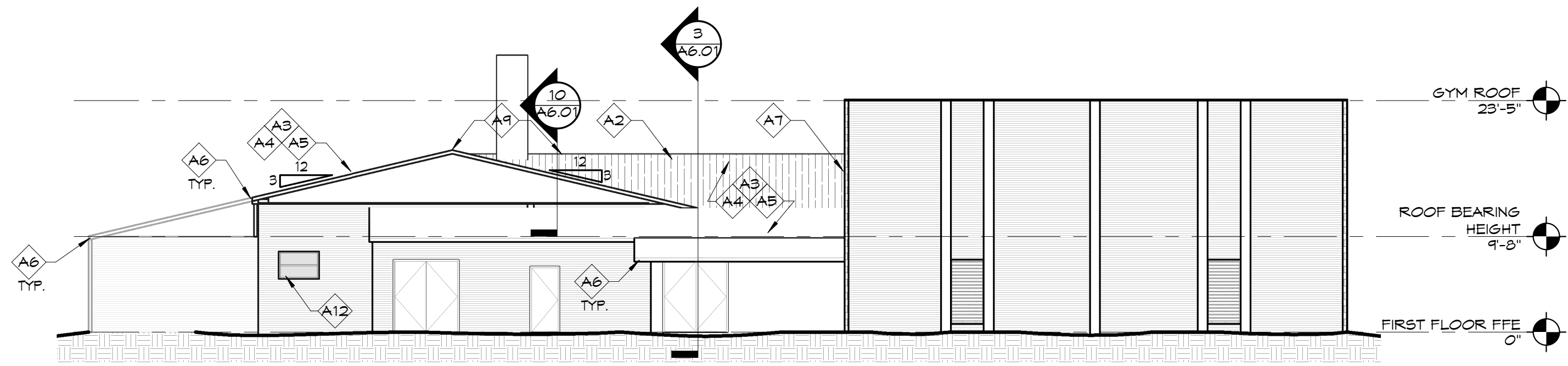
A11 – PROVIDE AND INSTALL NEW STOREFRONT UNO.

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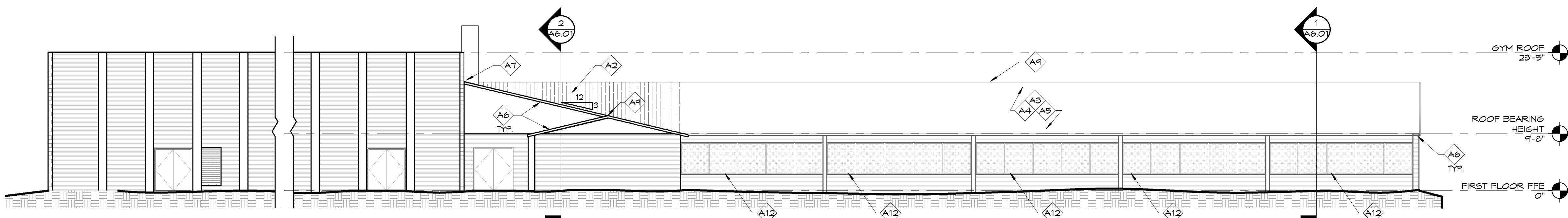
*** NOTES INCLUDED ARE FOR WHOLE SET AND MAY NOT APPEAR ON EVERY SHEET**



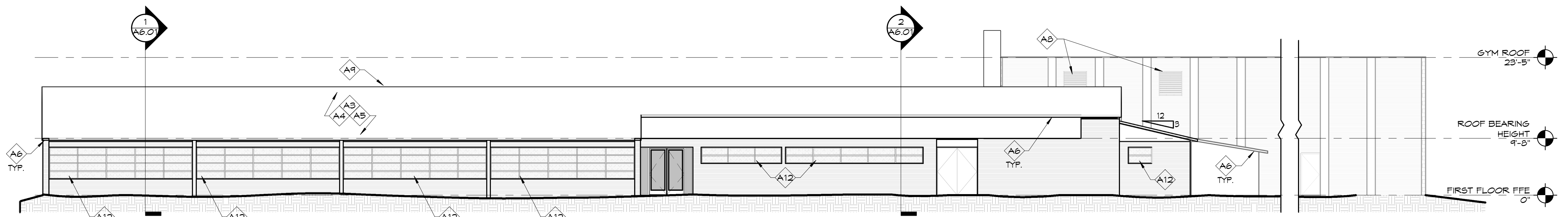
PROPOSED EXTERIOR ELEVATION 4
3/32" = 1'-0"



PROPOSED EXTERIOR ELEVATION 3
3/32" = 1'-0"



PROPOSED EXTERIOR ELEVATION 2
3/32" = 1'-0"



PROPOSED EXTERIOR ELEVATION 1
3/32" = 1'-0"



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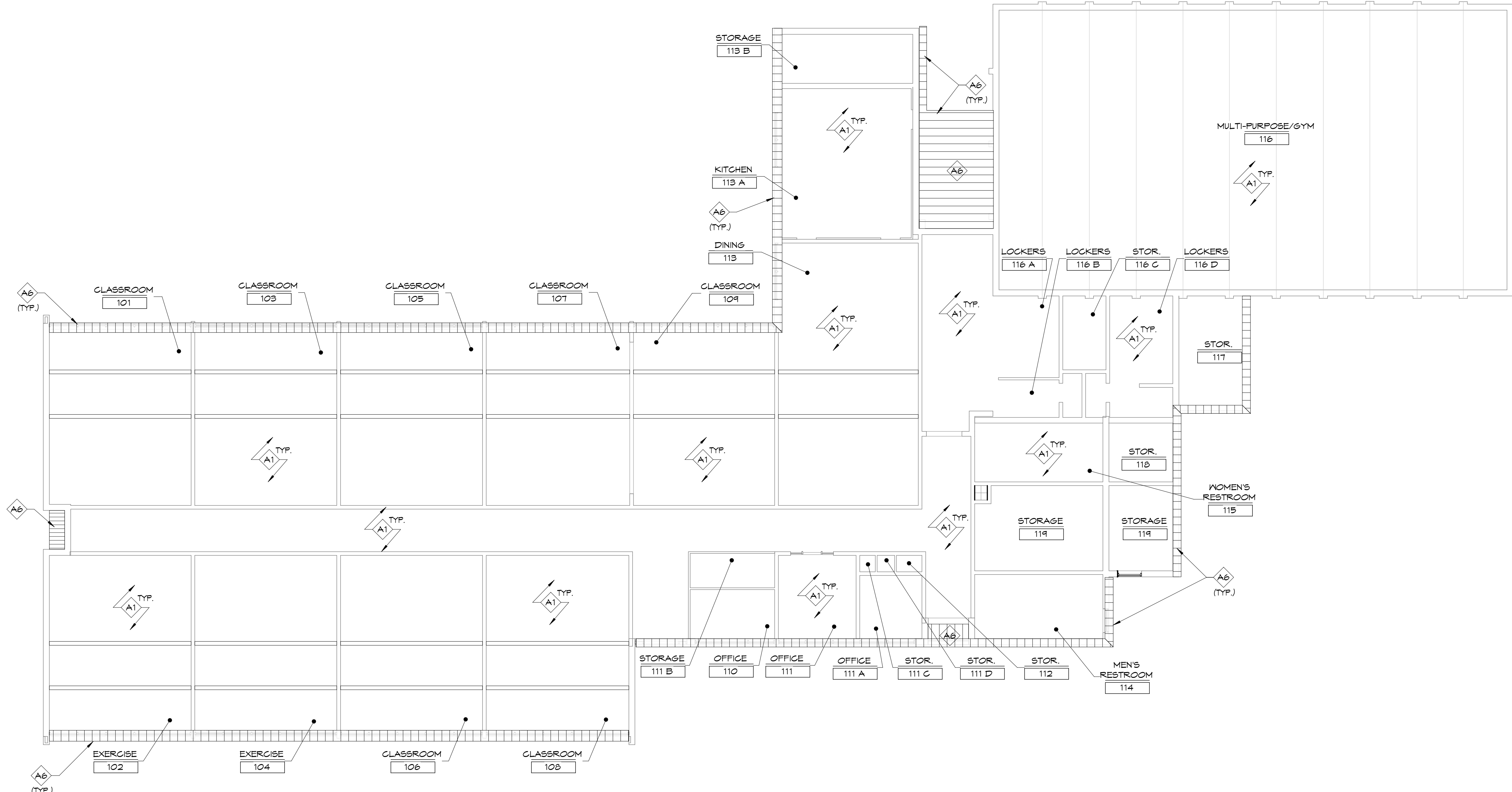
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PROPOSED REFLECTED CEILING PLAN

3/32" = 1'-0" **1**



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PROPOSED RCP

A5.01



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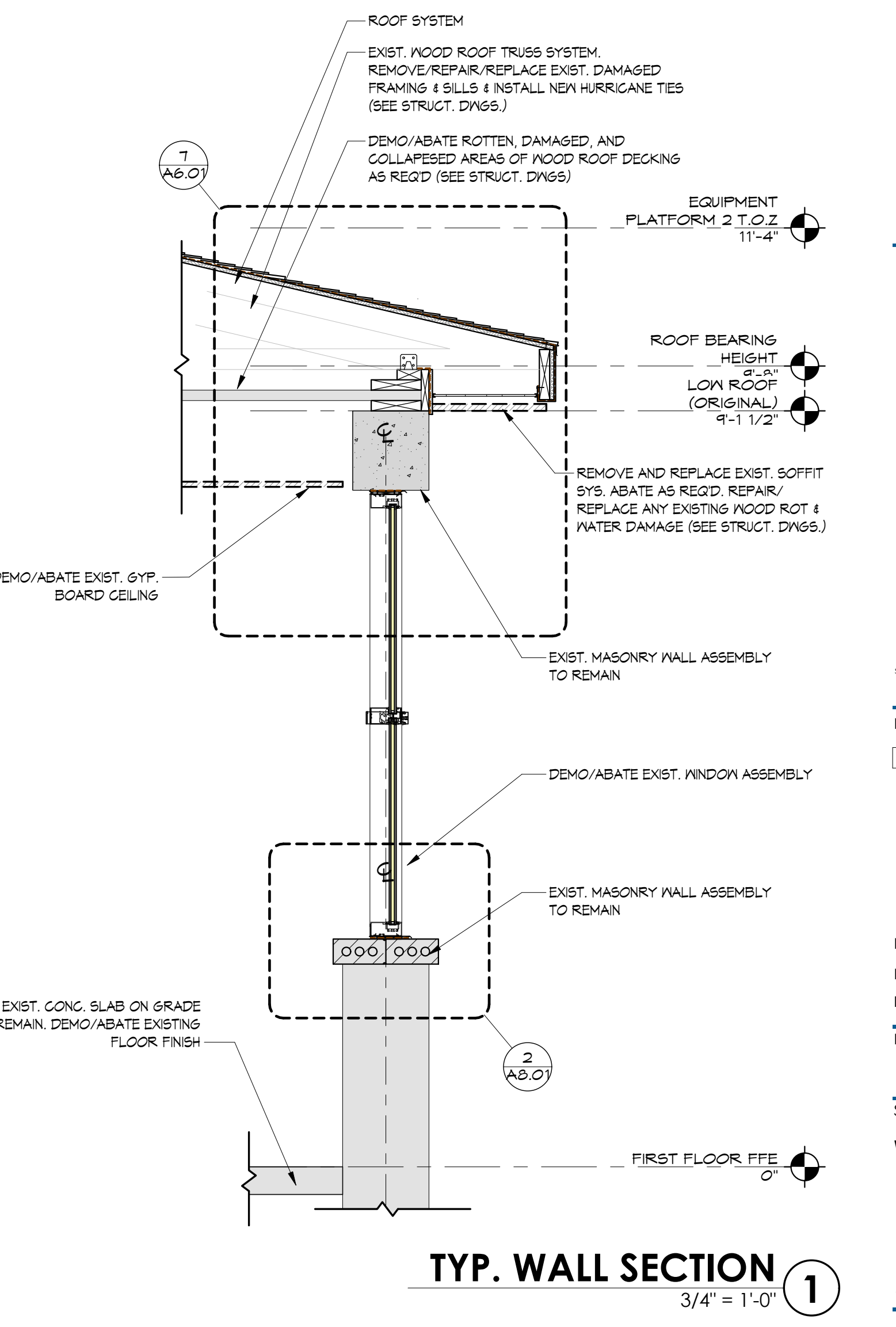
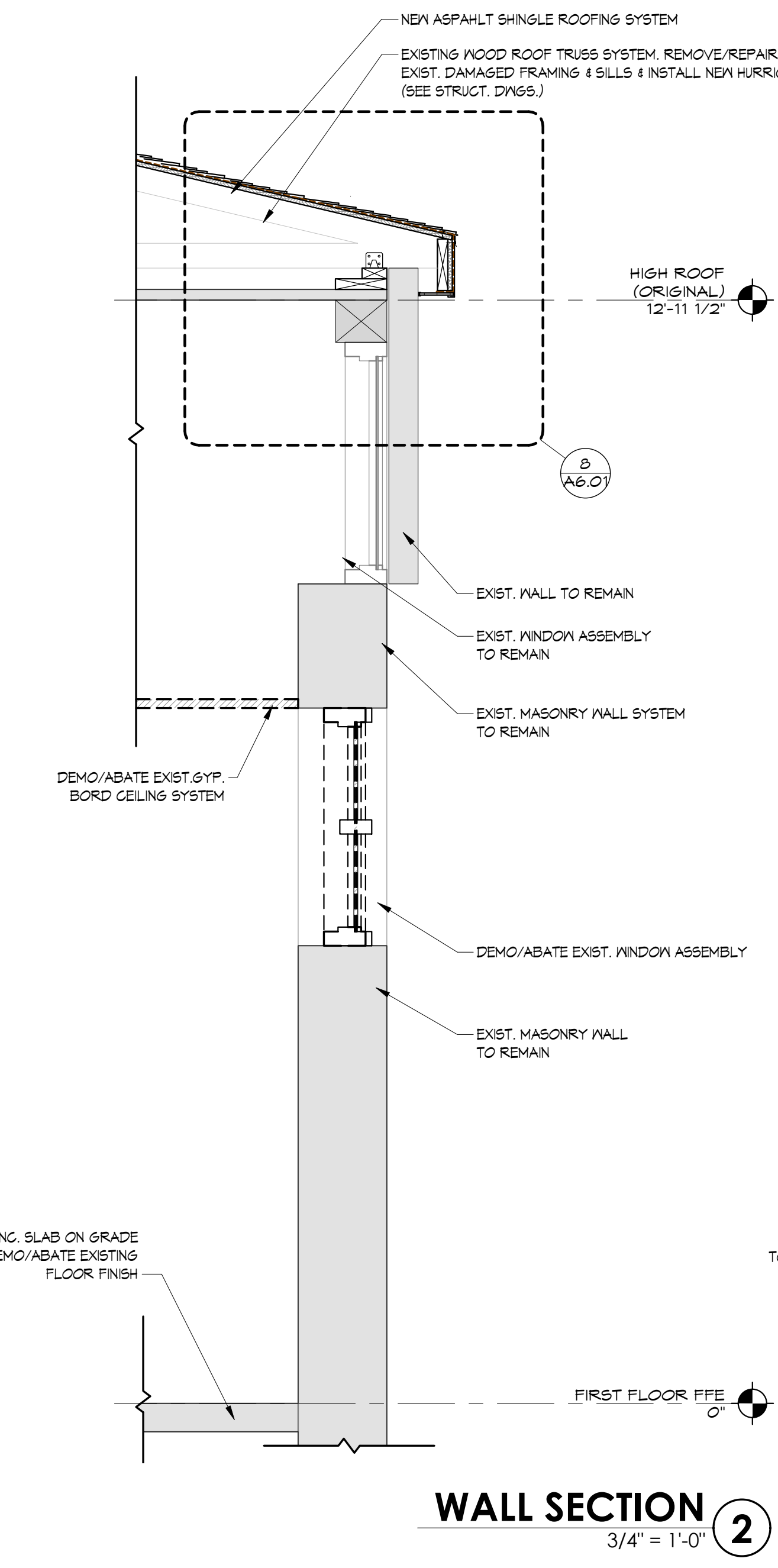
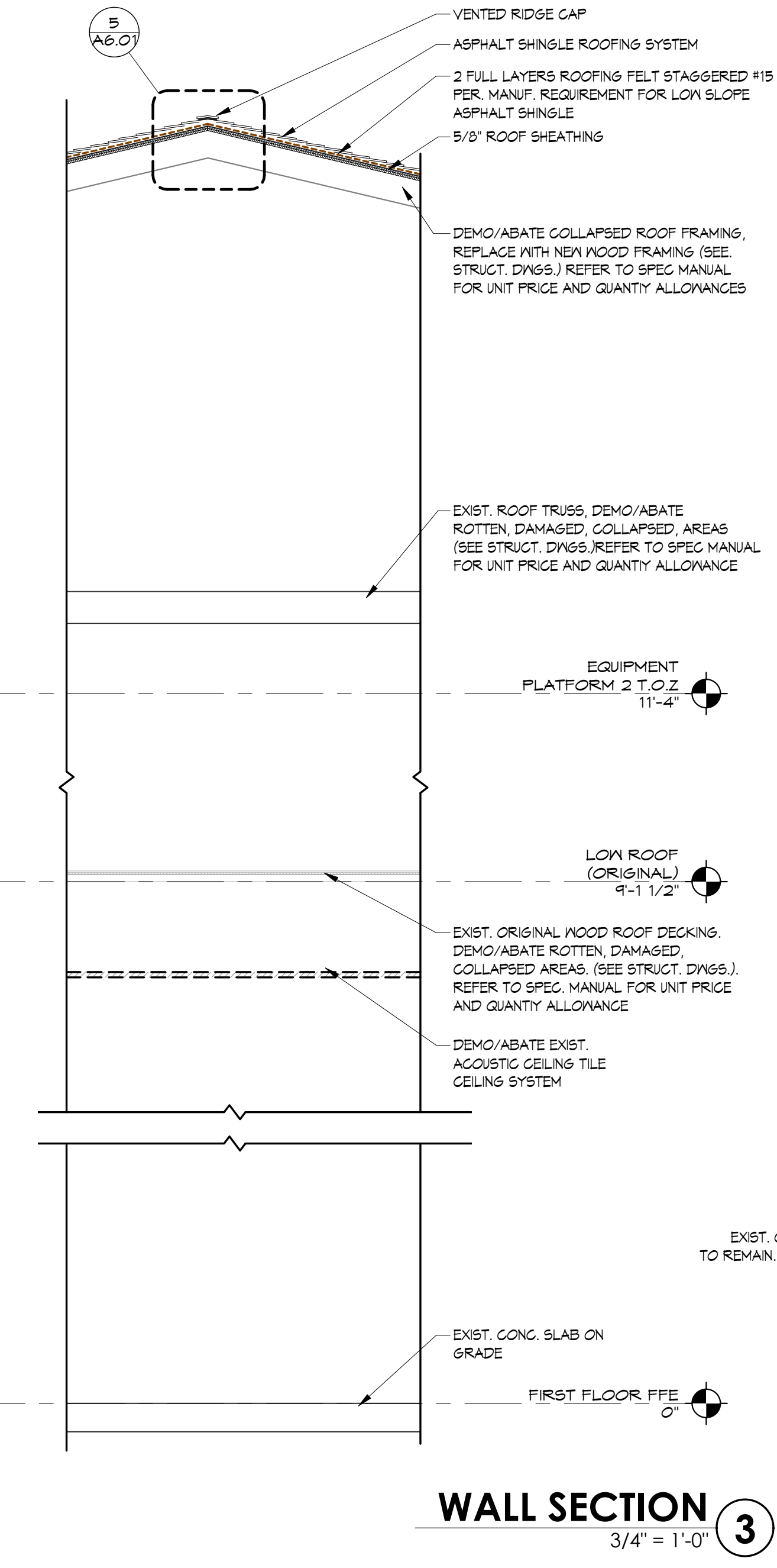
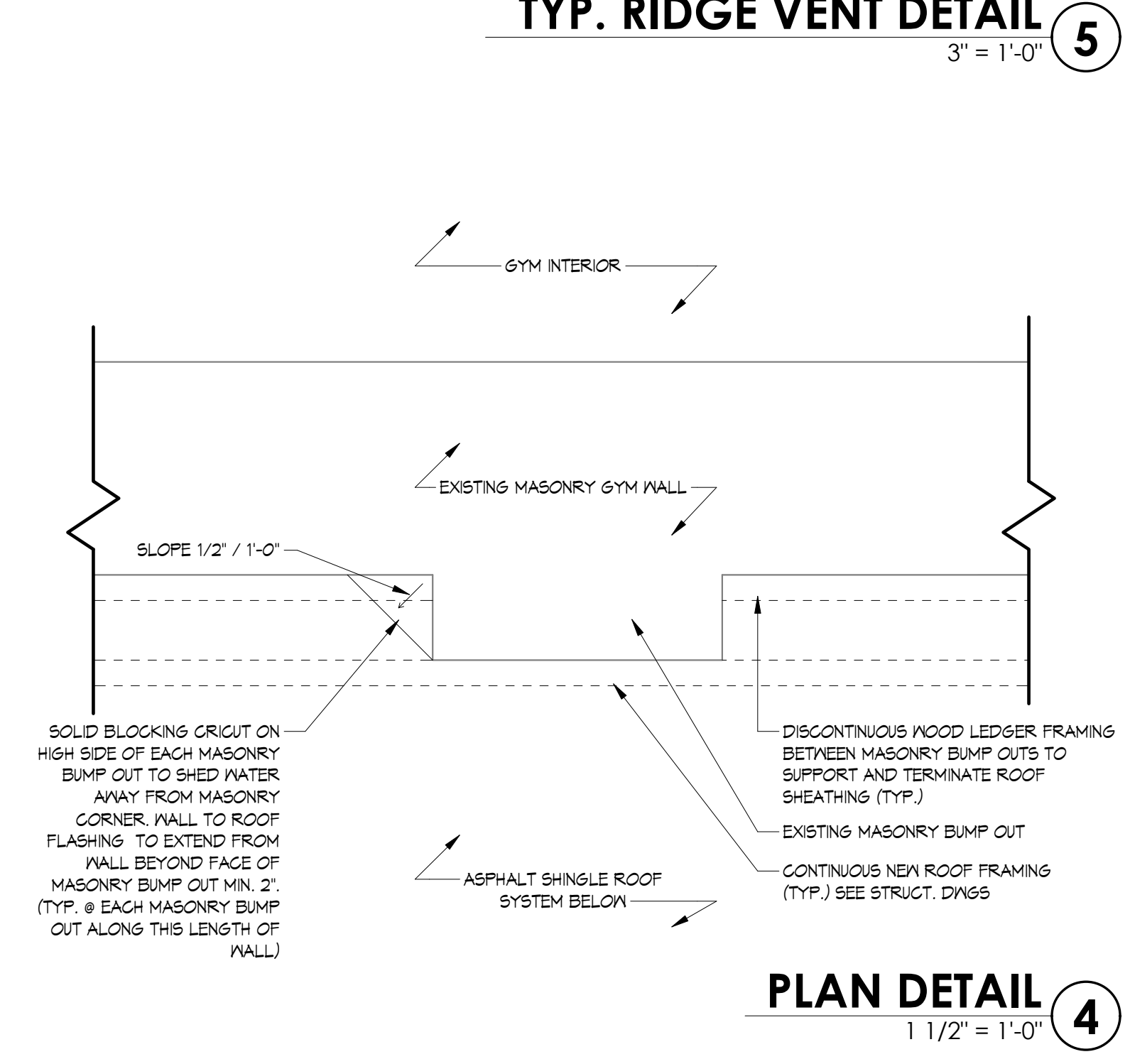
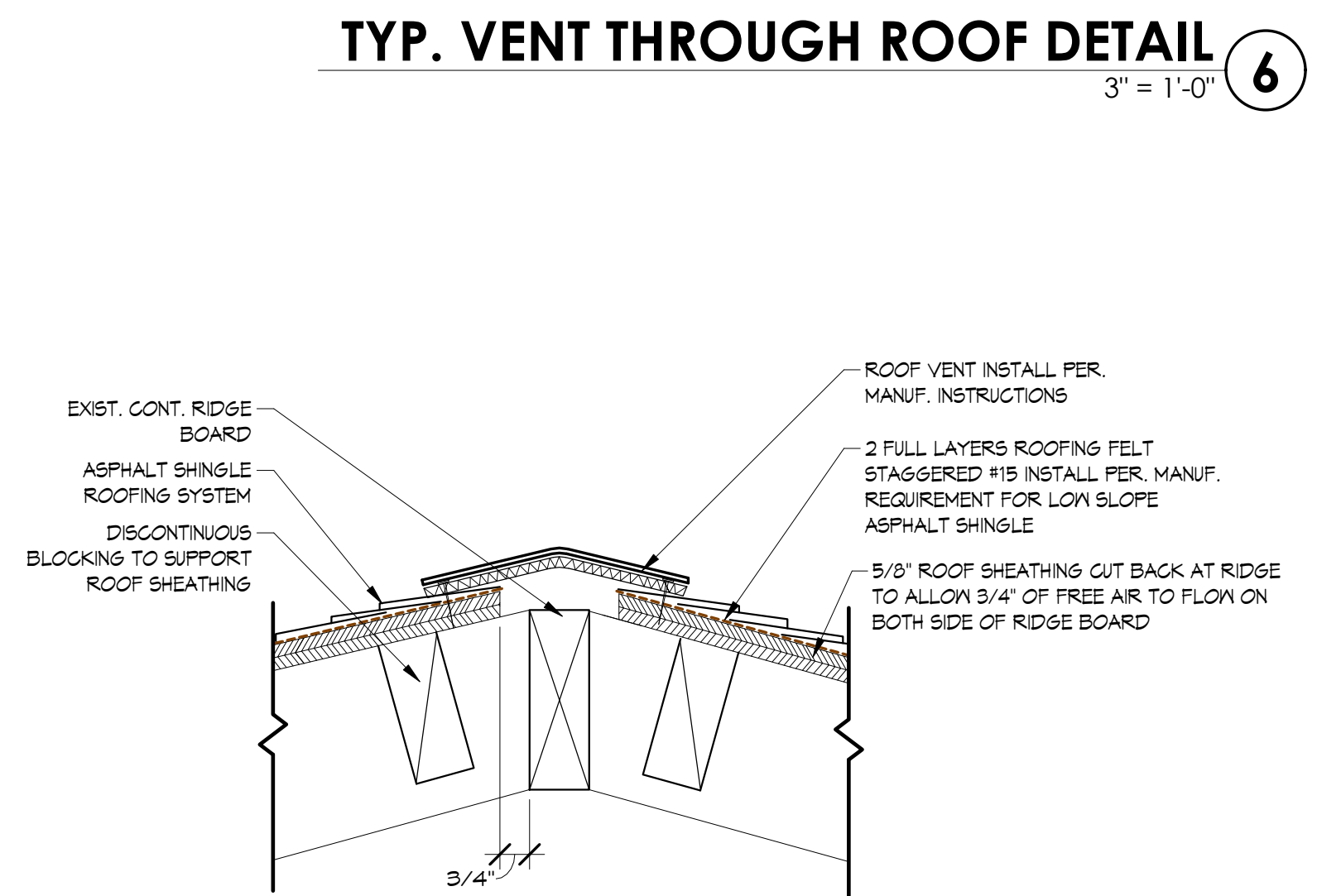
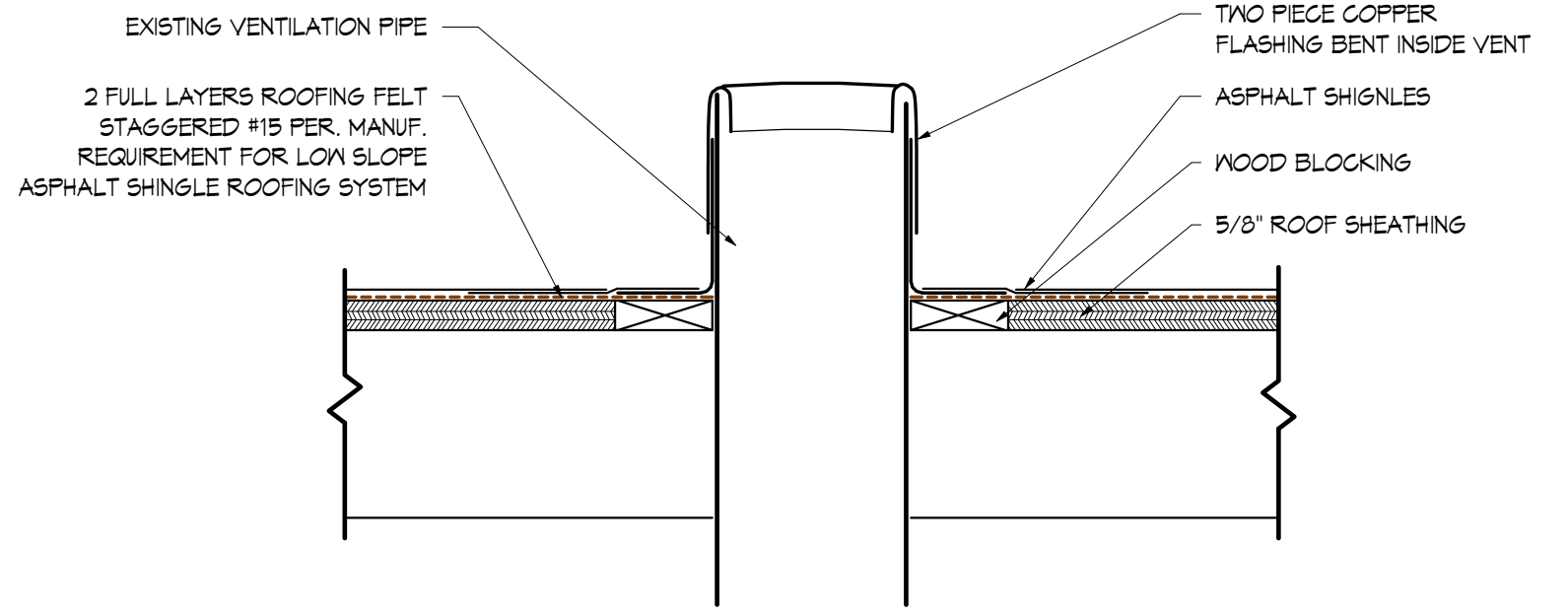
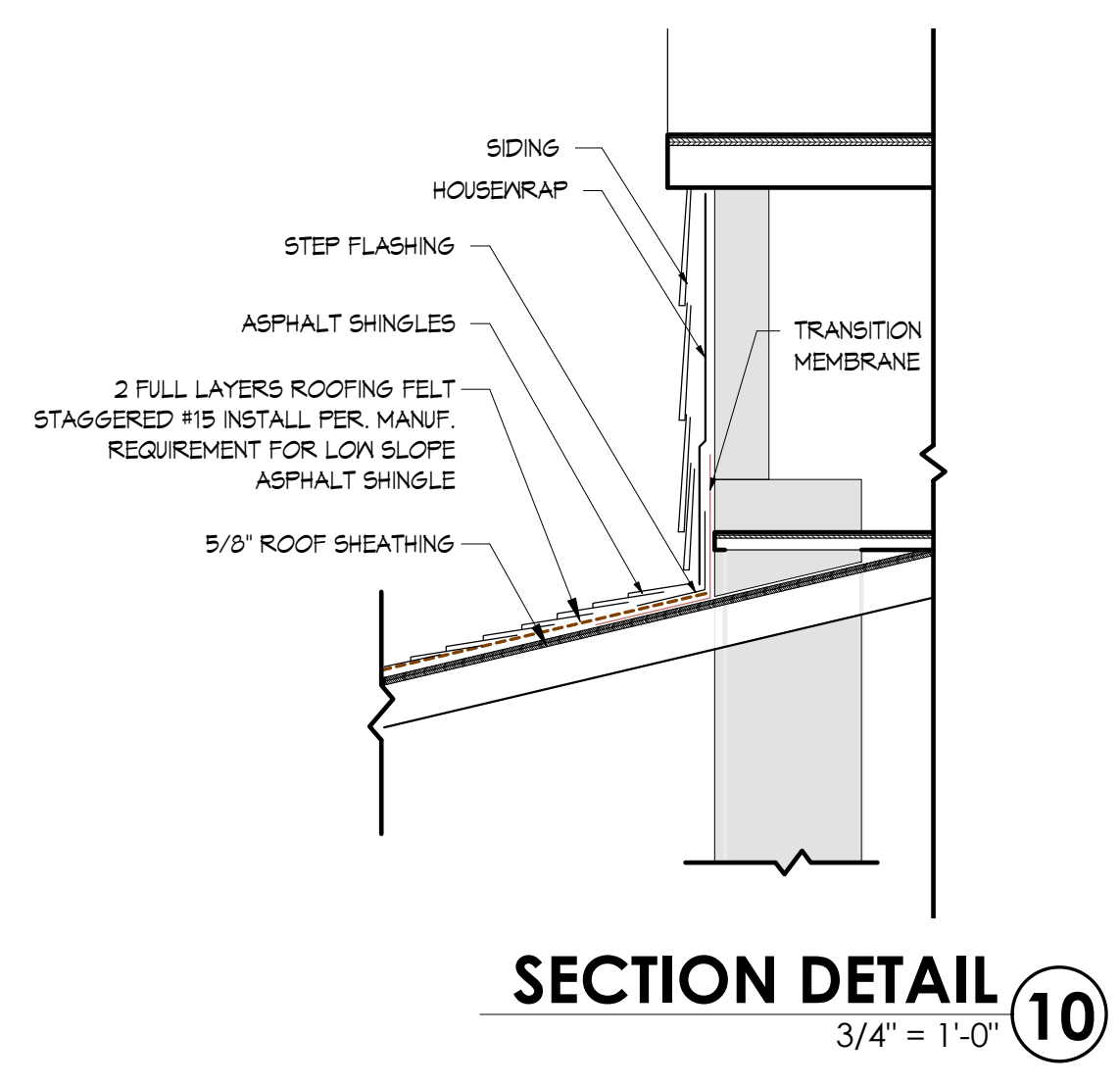
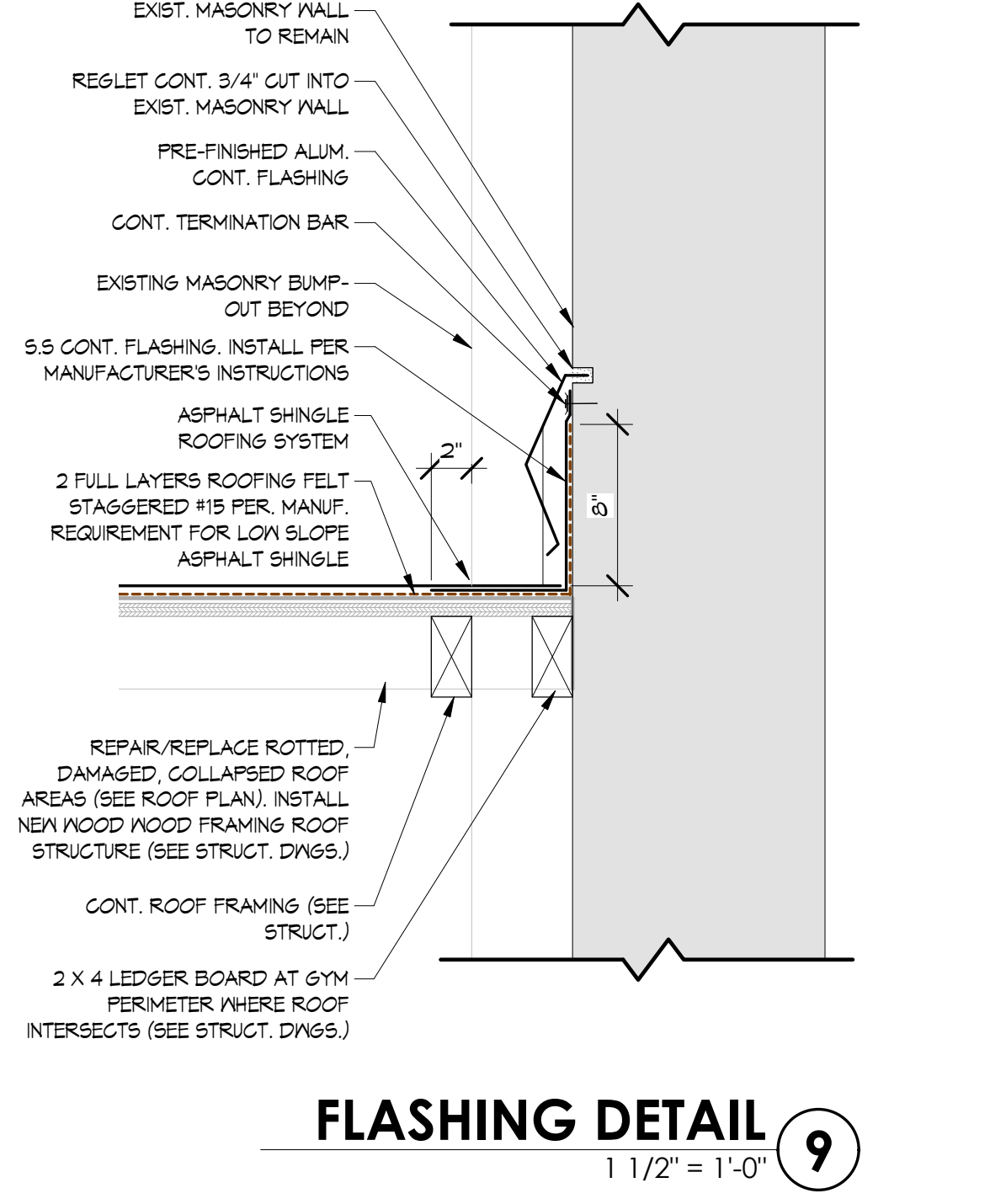
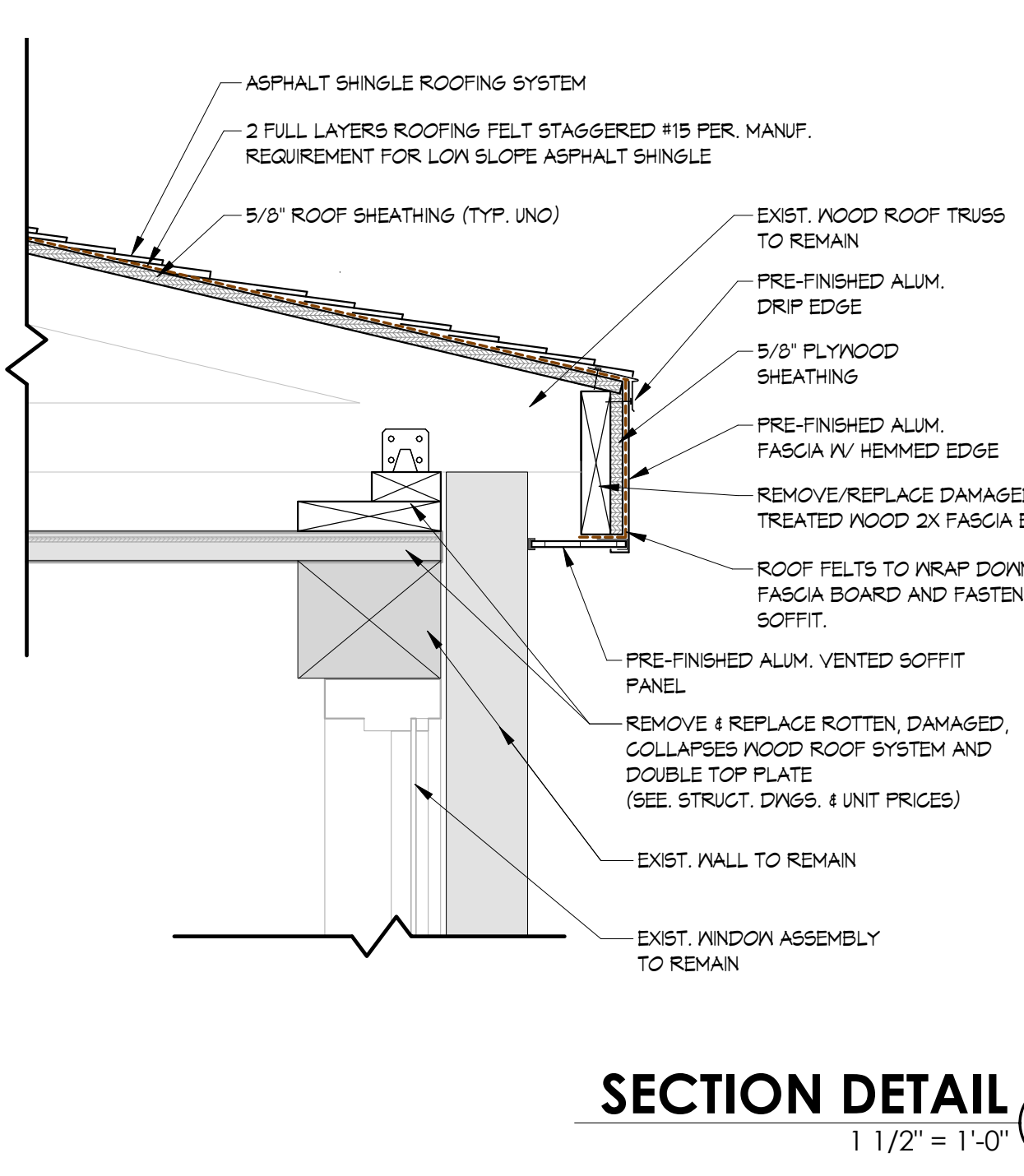
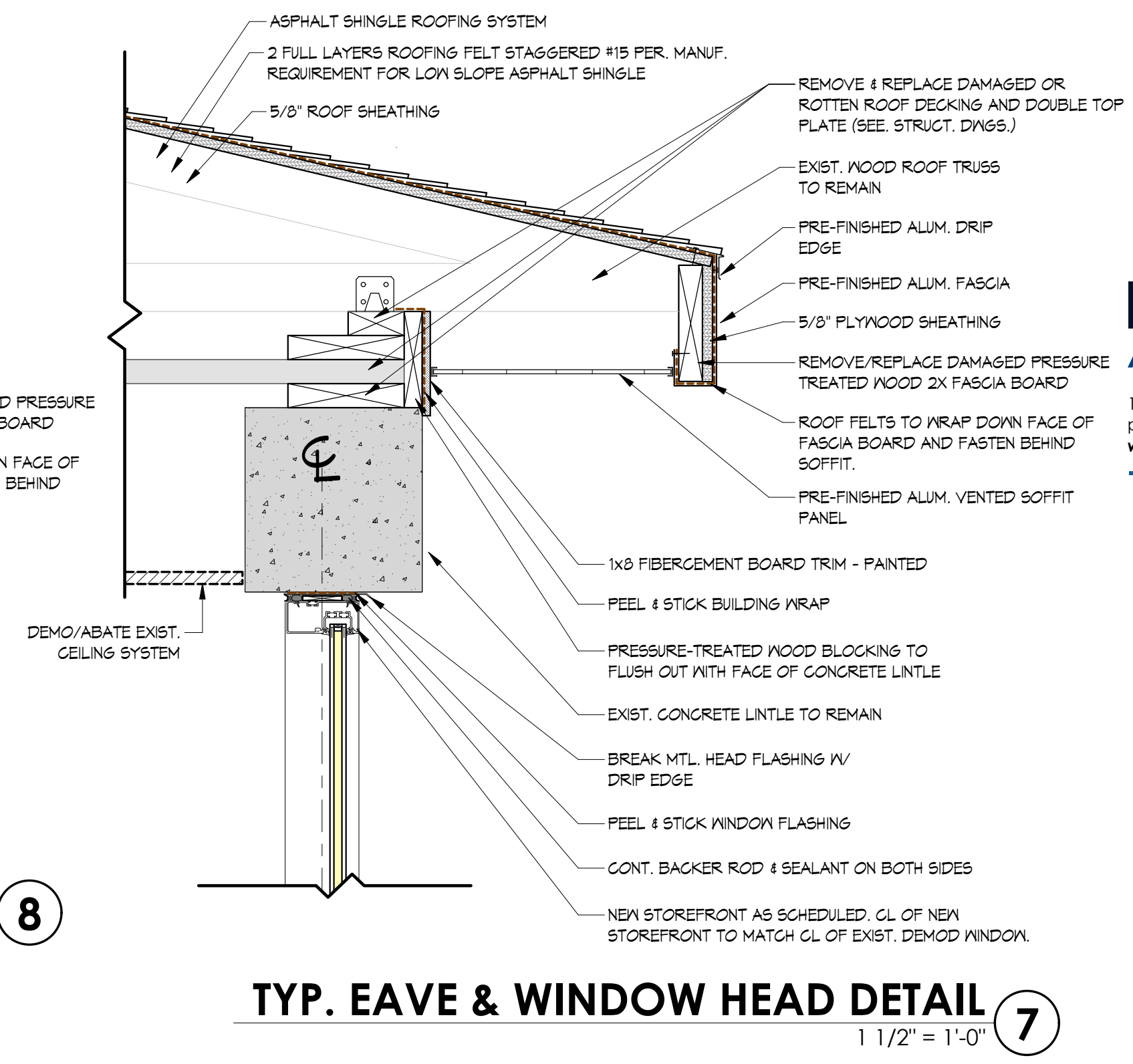
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ISSUE DATE: 07/11/23

PHASE:
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SHEET NAME & NUMBER

WALL SECTIONS & DETAILS

A6.01





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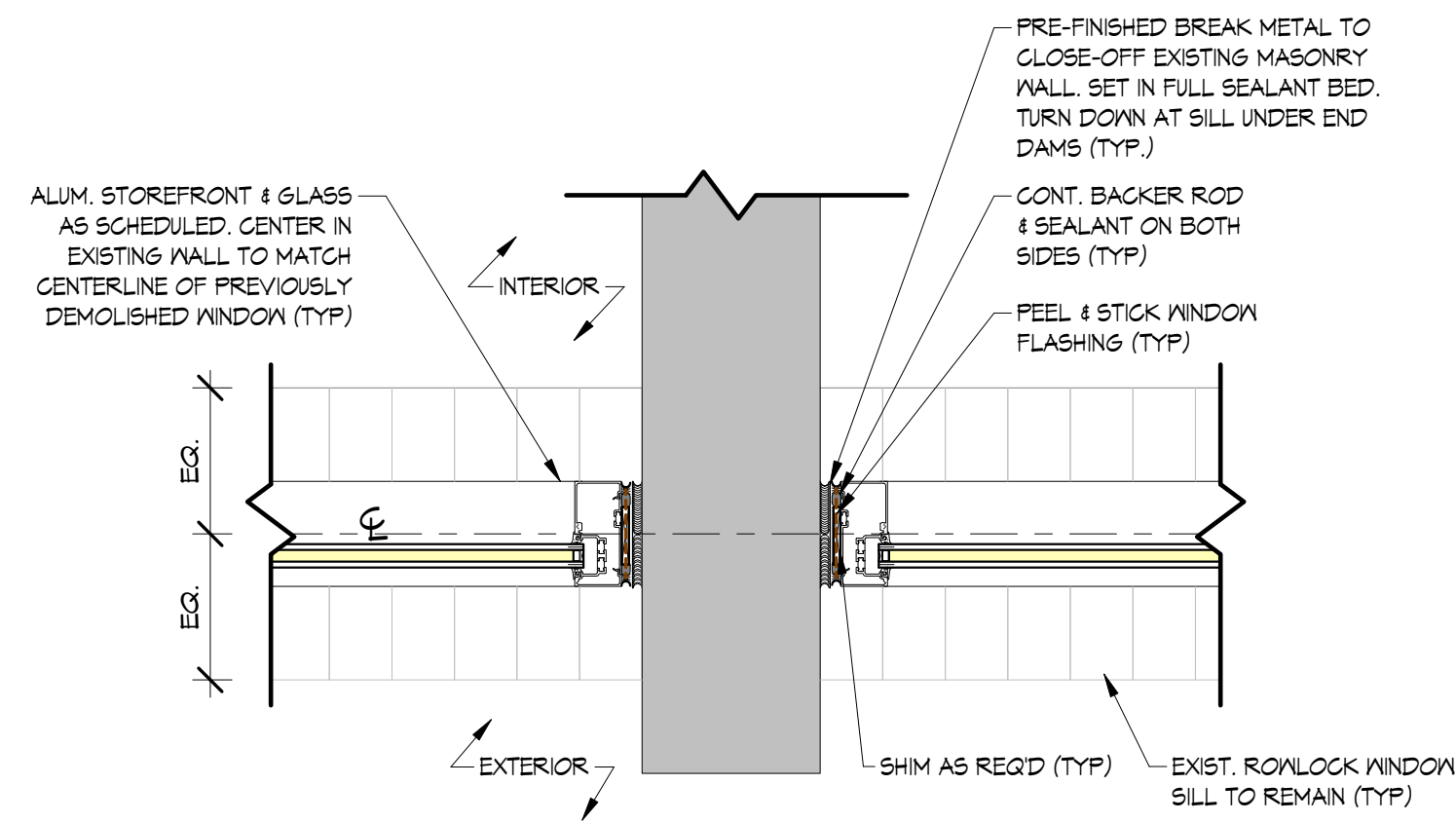
TYPE/TAG	DIMENSION	MATERIAL	FINISH	DETAILS			GLAZING TYPE	FIRE RATING	REMARKS
				HEAD	SILL	JAMB			
SF1	5'-5" (+/-) X 24'-3 3/4" (+/-)	ALUM	PT	3/A6.01	9/A8.01	10/A8.01	G1		
SF2	5'-5" (+/-) X 24'-1 13/16" (+/-)	ALUM	PT	3/A6.01	9/A8.01	10/A8.01	G1		
SF3	5'-5" (+/-) X 24'-1" (+/-)	ALUM	PT	3/A6.01	9/A8.01	10/A8.01	G1		
SF4	5'-5" (+/-) X 24'-5 5/8" (+/-)	ALUM	PT	3/A6.01	9/A8.01	10/A8.01	G1		
SF5	2'-9 1/2" (+/-) X 13'-8" (+/-)	ALUM	PT	3/A6.01	9/A8.01	10/A8.01	G1		
SF6	2'-9 1/2" (+/-) X 23'-5" (+/-)	ALUM	PT	3/A6.01	9/A8.01	10/A8.01	G1		
SF7	2'-9 1/2" (+/-) X 4'-1" (+/-)	ALUM	PT	3/A6.01	9/A8.01	10/A8.01	G2		REMOVE BOARD ON INSIDE
SF8	2'-9 1/2" (+/-) X 4'-1" (+/-)	ALUM	PT	3/A6.01	9/A8.01	10/A8.01	G1		
SF9	5'-5" (+/-) X 9'-5" (+/-)	ALUM	PT	3/A6.01	9/A8.01	10/A8.01	G1		

GLAZING SCHEDULE

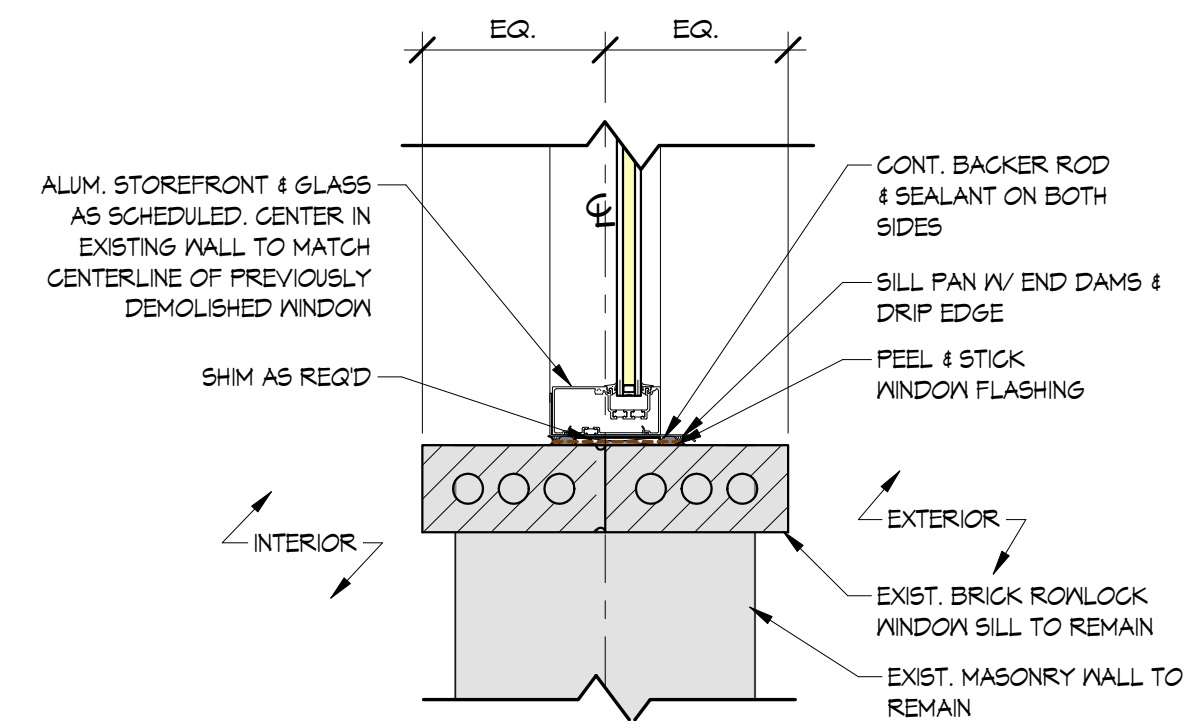
- G1 ULTRA CLEAR 1" TEMPERED INSULATED LOW-E GLASS
- G2 ULTRA CLEAR 1" TEMPERED INSULATED SPANDREL GLASS UNIT SPANDREL COATING ON INSIDE PANE, OUTSIDE SURFACE OF IGU.

DOOR/OPENINGS GENERAL NOTES:

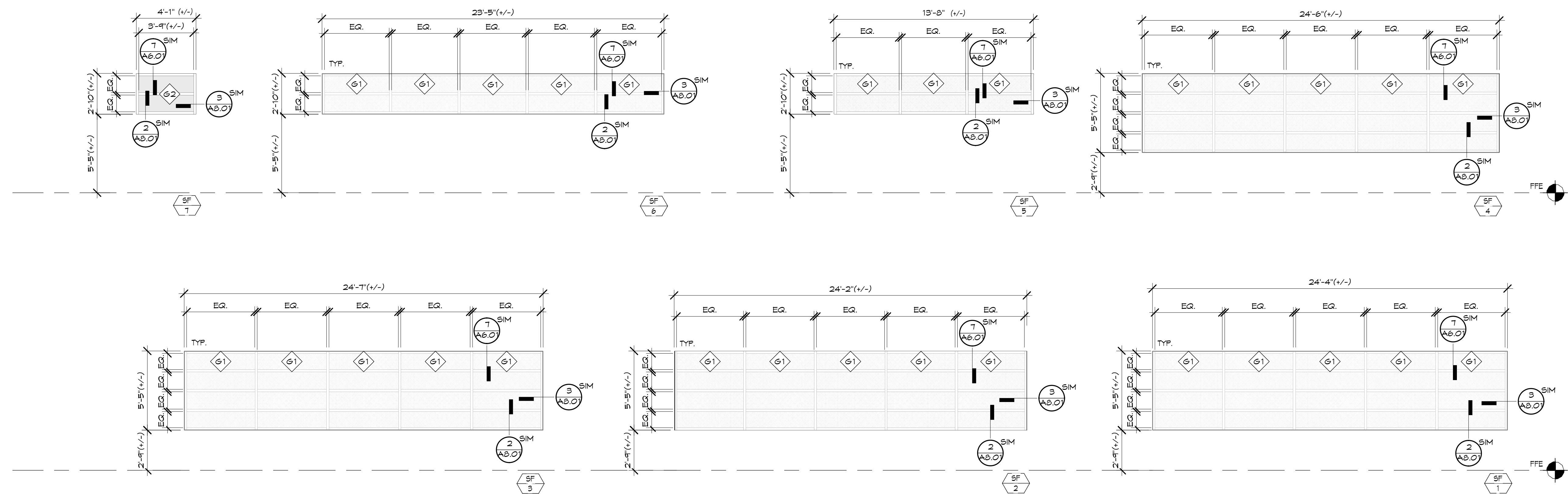
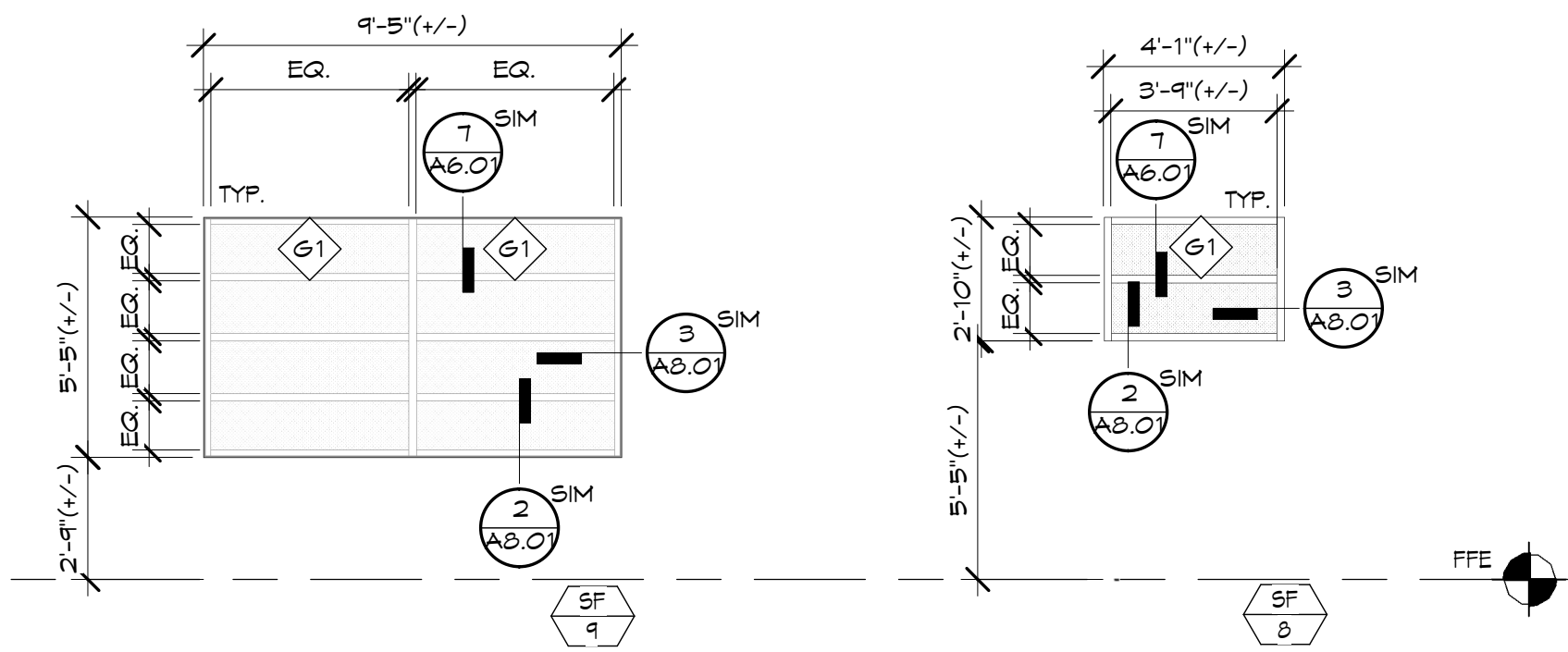
- GC TO FIELD VERIFY ALL OPENINGS PRIOR TO FRAME ORDERING AND FABRICATION.
- "SF" TAGS INDICATES EXTERIOR STOREFRONT FRAMES - REFER TO PLANS FOR LOCATIONS, FRAME ELEVATIONS FOR DIMENSIONS, GLAZING TAGS, ETC.



TYP. JAMB DETAIL 3
1 1/2" = 1'-0"



TYP. SILL DETAIL 2
1 1/2" = 1'-0"



FRAME ELEVATIONS 1
1/4" = 1'-0"



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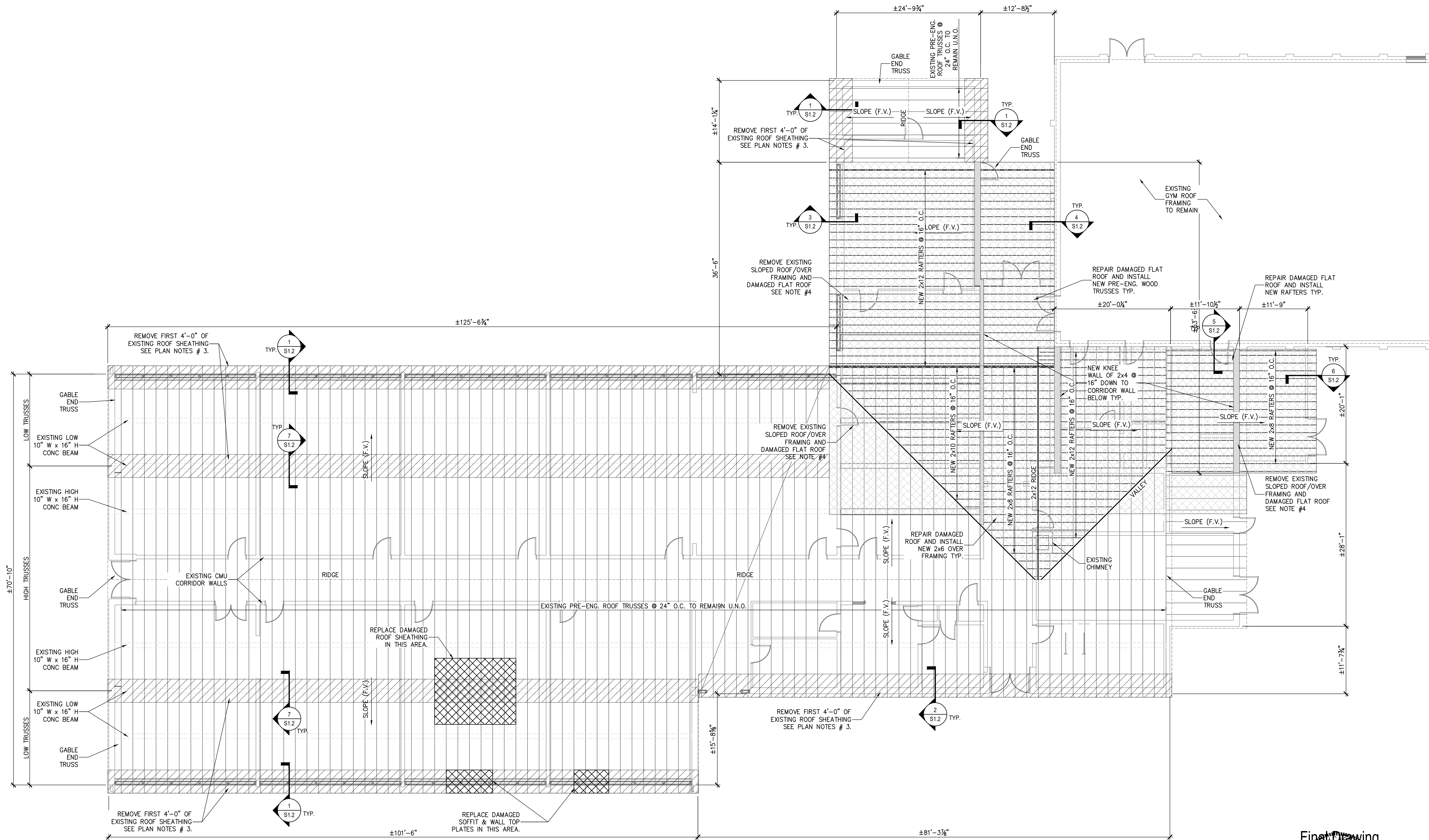
#	DESC.	DATE

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PROJECT #: 20014
ISSUE DATE: 07/07/23
PHASE:
100% CONSTRUCTION DOCUMENTS
SHEET NAME & NUMBER
FRAME ELEVATIONS & SCHEDULES

A8.01

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HYDE COUNTY NC

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PARTIAL ROOF FRAMING PLAN
1/8" = 1'-0"

- ROOF FRAMING PLAN NOTES:**
- SEE SHEET S1.2 FOR DESIGN CRITERIA, GENERAL STRUCTURAL NOTES AND SCHEDULES.
 - ALL BUILDING DIMENSIONS ARE FROM FACE TO FACE OF STUD WALLS, U.N.O.
 - REMOVE FIRST 4'-0" OF ROOF SHEATHING TO EXPOSE TRUSS ENDS FOR INSTALLATION OF NEW HURRICANE TIES AT EA. TRUSS, U.N.O. AND REINSTALL ROOF SHEATHING TO MATCH EXISTING.
 - REMOVE EXISTING SLOPED ROOF OVER FRAMING AND DAMAGED FLAT ROOF (ORIGINAL ROOF) WOOD FRAMING IN THESE AREAS. REPAIR ORIGINAL ROOF, AND INSTALL NEW FRAMING AS SHOWN ON PLAN, TO MATCH EXISTING.
 - ± DENOTES FIELD VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 - U.N.O. DENOTES UNLESS NOTED OTHERWISE.

REVISIONS	



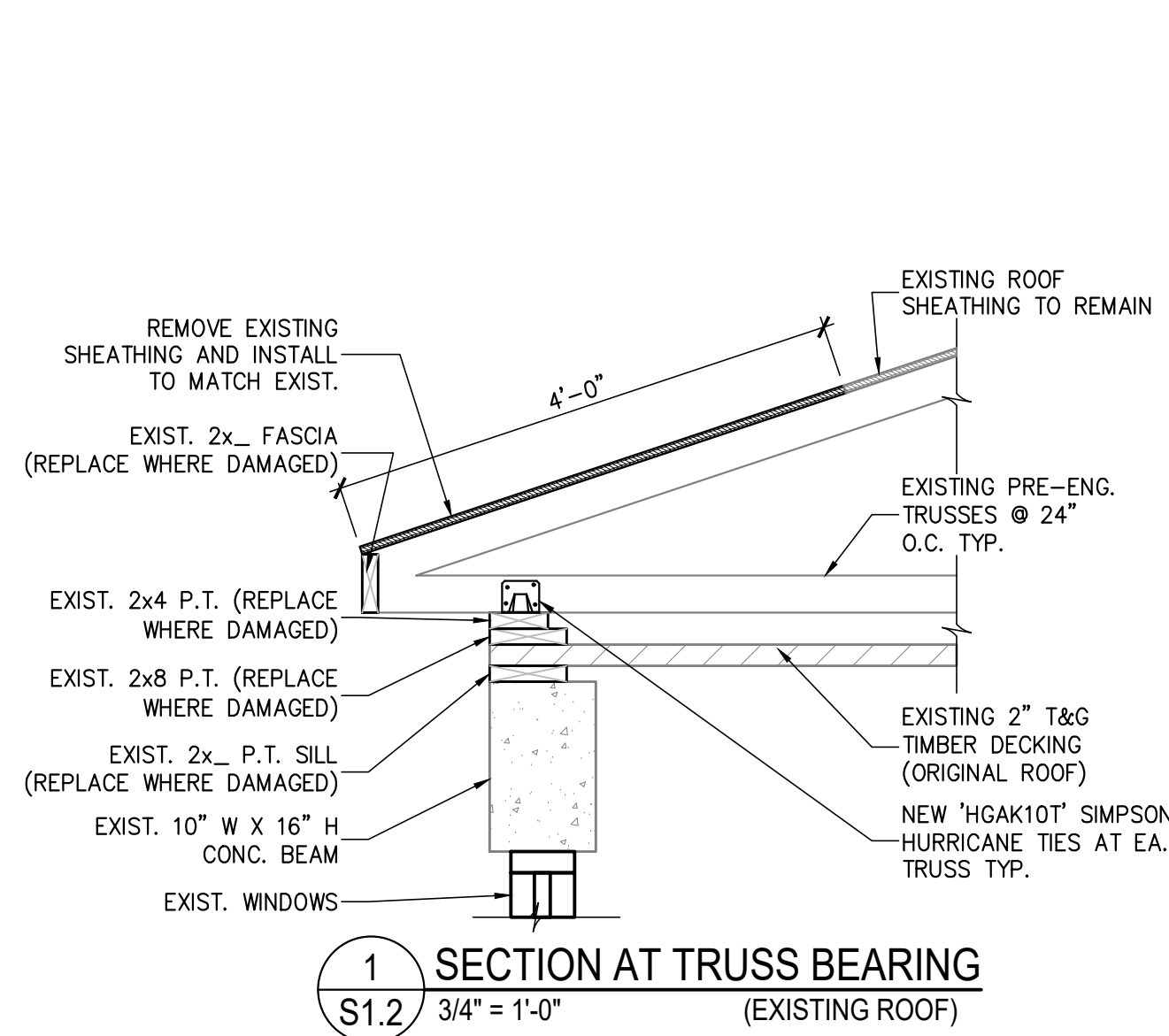
RPA ENGINEERING, P.A.
Structural Engineering Solutions
Engineering License Certificate No. C-2734
102 Regency Blvd. Phone: 252-321-6027
Suite A1 Fax: 252-355-2179
Greenville, NC 27834
RPA Project No.: 2022449

DRAWN BY: **GBP**
PROJECT #: **21014**
ISSUE DATE: **03-31-2023**

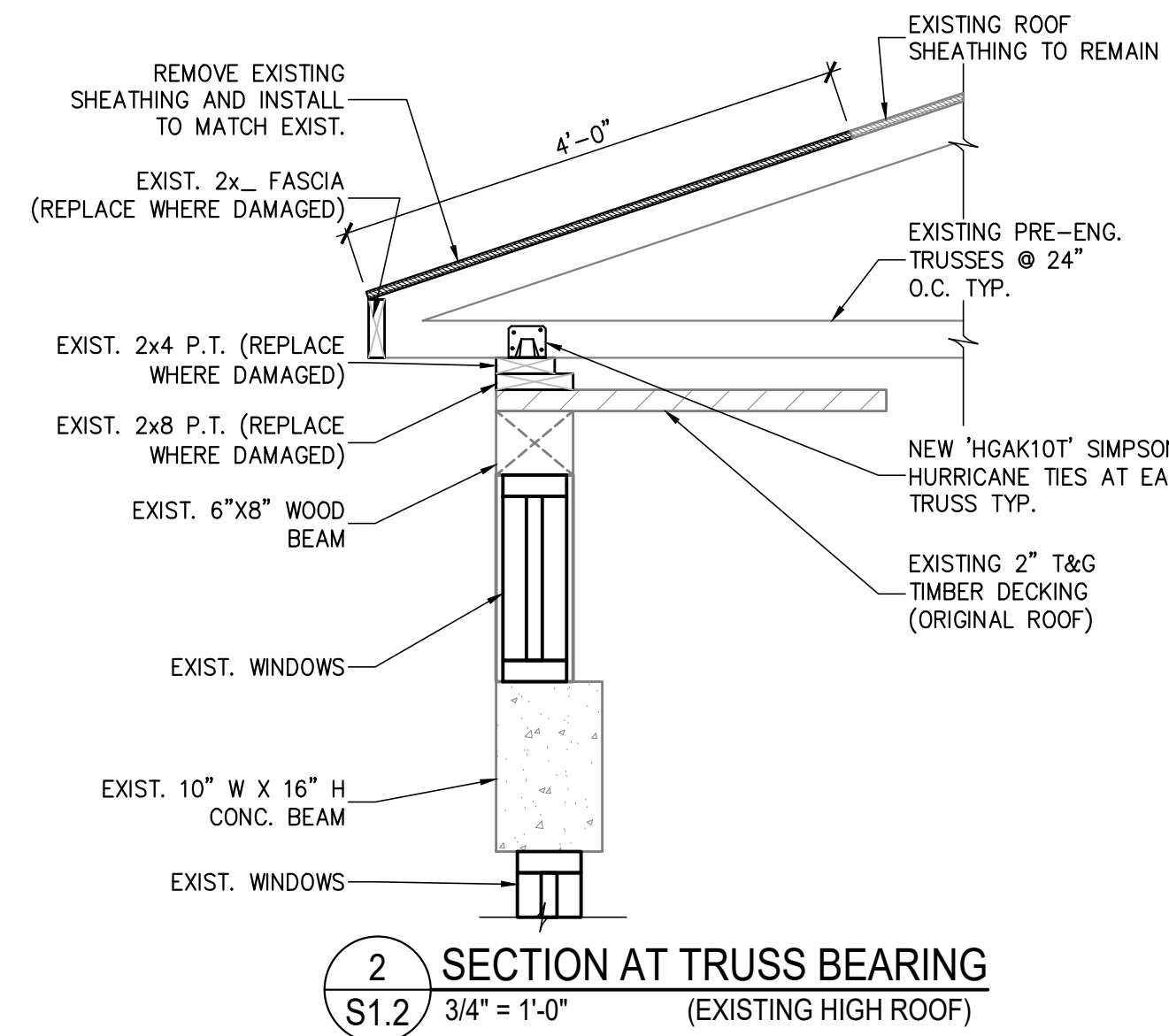
PHASE:
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SHEET NAME & NUMBER
**ROOF FRAMING
PLAN & PLAN NOTES**

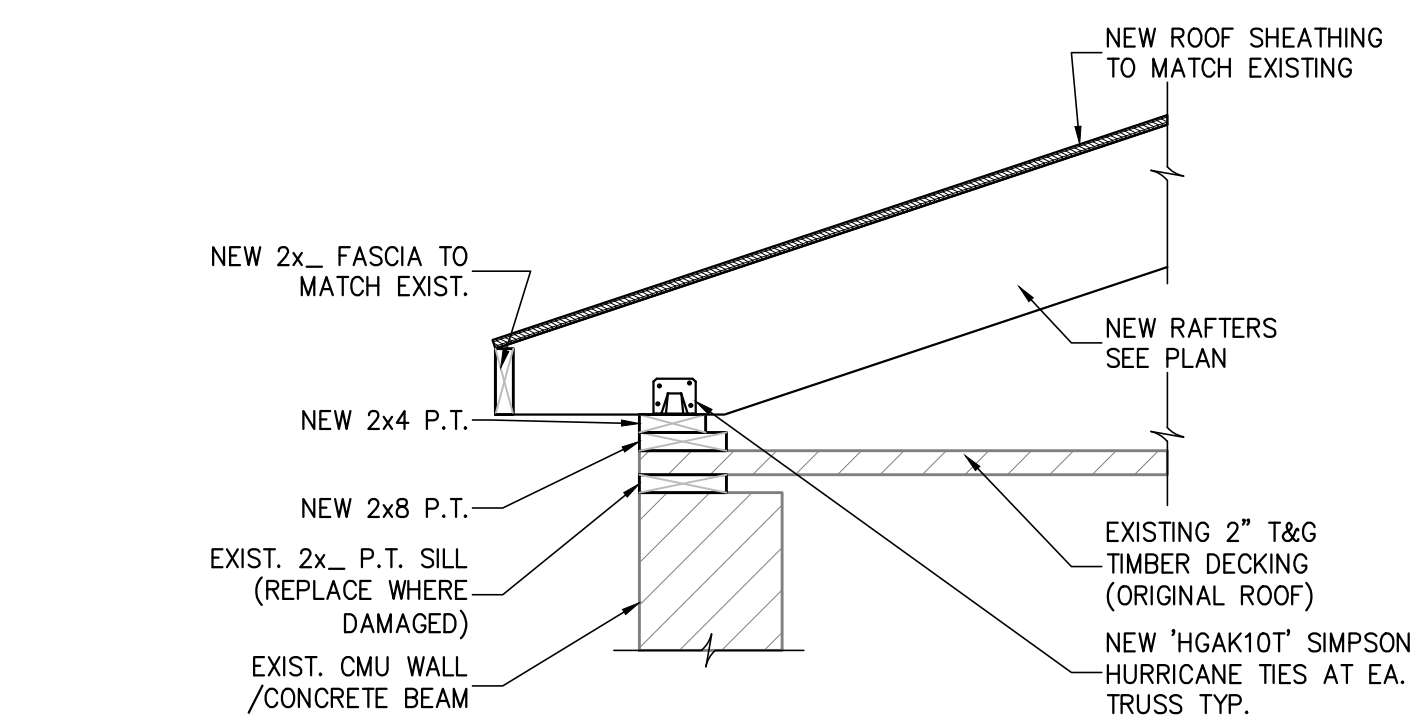
S1.1



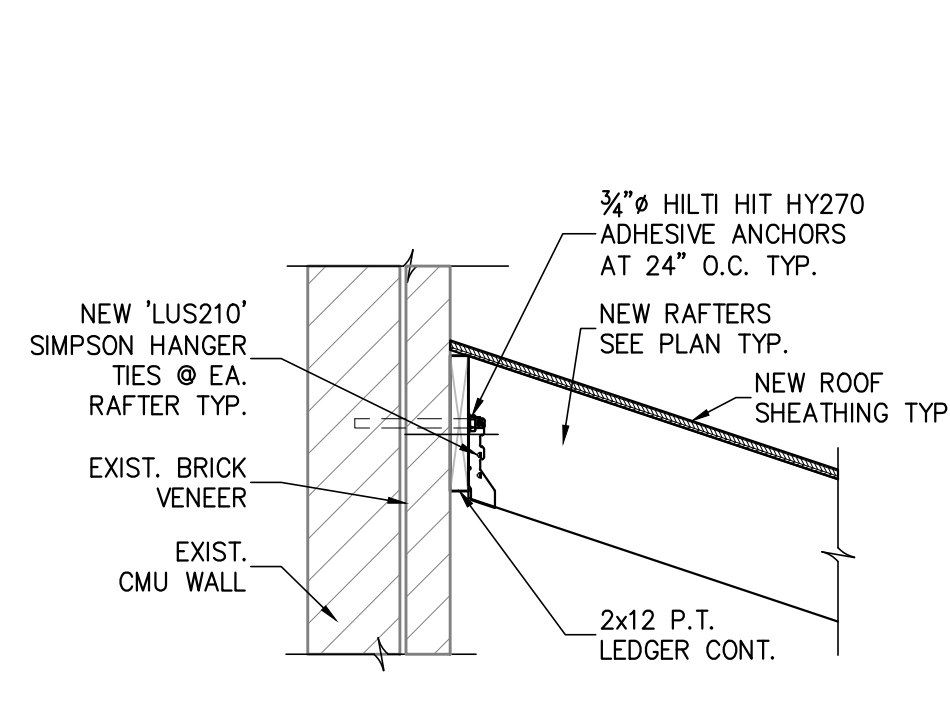
1 SECTION AT TRUSS BEARING
S1.2 3/4" = 1'-0" (EXISTING ROOF)



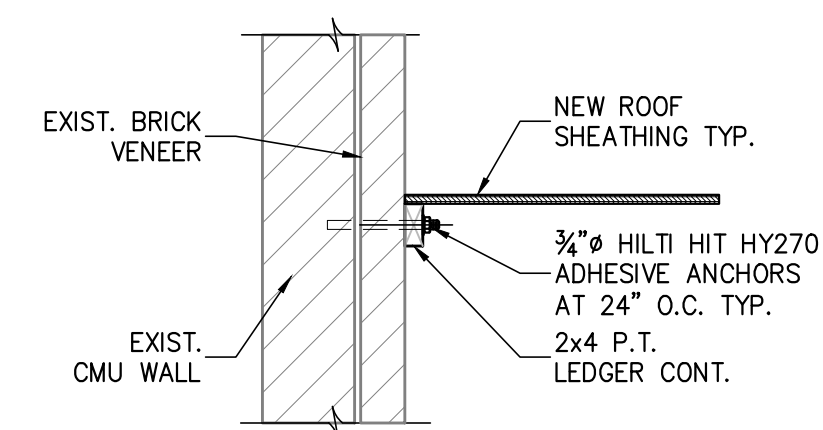
2 SECTION AT TRUSS BEARING
S1.2 3/4" = 1'-0" (EXISTING HIGH ROOF)



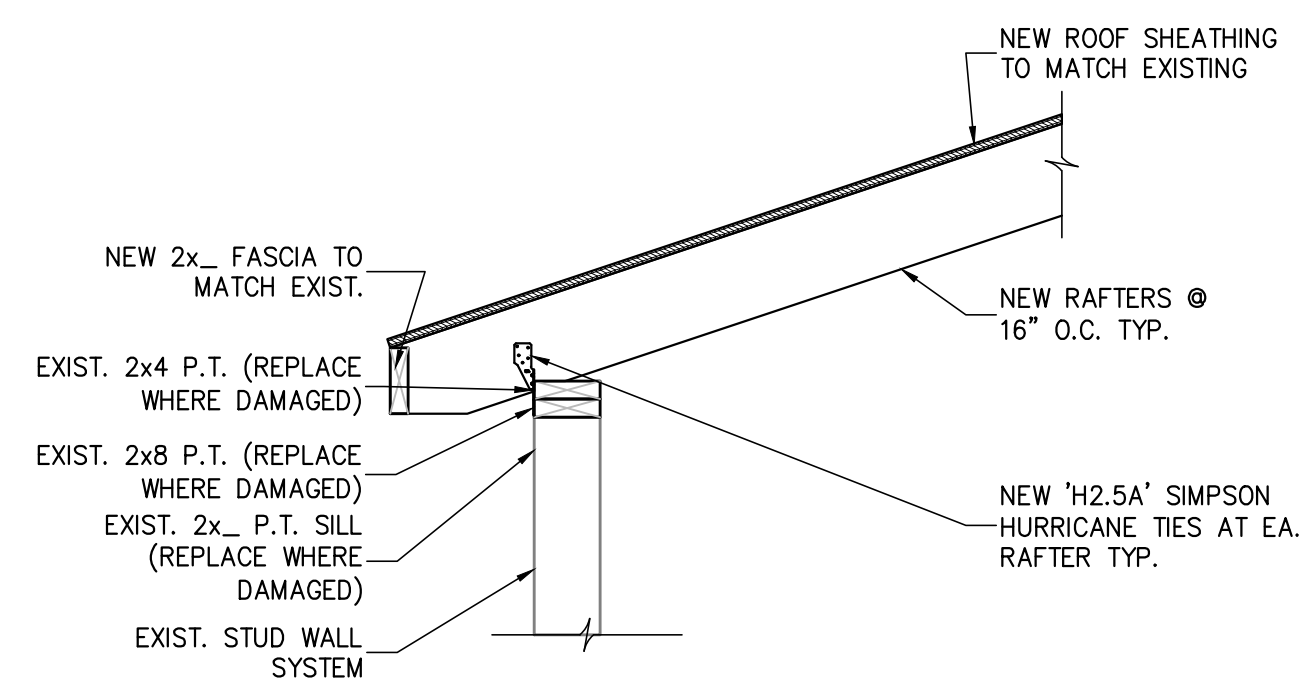
3 SECTION AT TRUSS BEARING
S1.2 3/4" = 1'-0" (ROOF REPLACEMENT)



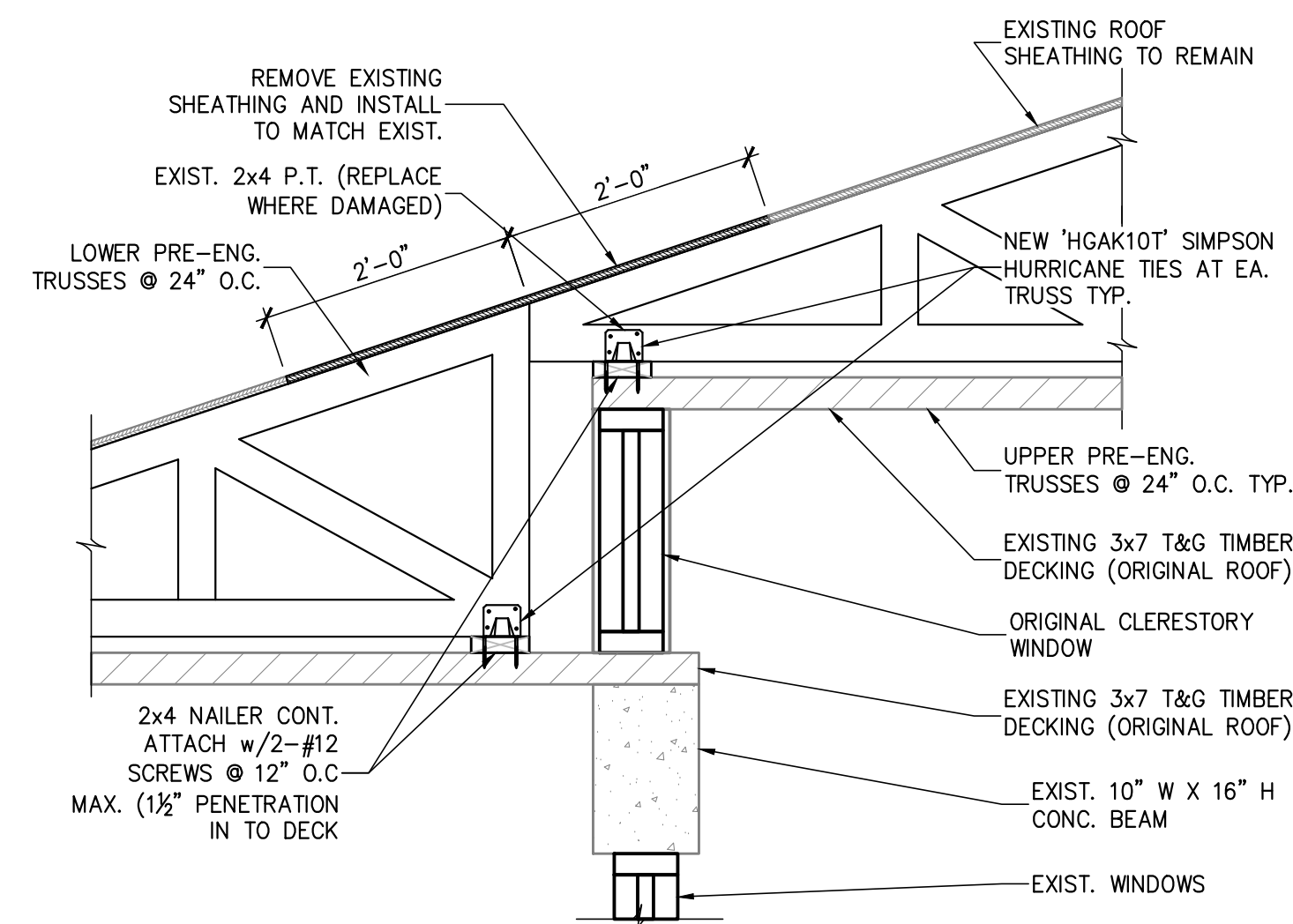
4 LEDGER CONN. TO EXIST. WALL
S1.2 3/4" = 1'-0"



5 LEDGER CONN. TO EXIST. WALL
S1.2 3/4" = 1'-0"



6 SECTION AT RAFTER BEARING
S1.2 3/4" = 1'-0" (LOW ROOF)



7 SECTION AT TRUSS TRANSITION
S1.2 3/4" = 1'-0"

GENERAL STRUCTURAL NOTES:

- GENERAL NOTES**
 - METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
 - THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLEEVES, CURBS, INSERTS OR OPENINGS NOT HEREIN INDICATED.
 - COORDINATE THESE DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DRAWINGS.
 - CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION DIMENSIONS WHICH IMPACT NEW CONSTRUCTION PRIOR TO FABRICATING ANY REBAR, STEEL, TRUSSES, ETCETERA.
 - DO NOT CUT, NOTCH, OR OTHERWISE MODIFY ANY STRUCTURAL MEMBERS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS WITHOUT APPROVAL OF THE ENGINEER OF RECORD.
 - CONTRACTOR IS RESPONSIBLE FOR DESIGN AND INSTALLATION OF ALL SHORING REQUIRED TO SUPPORT NEW AND EXISTING STRUCTURAL ELEMENTS.
- WOOD FRAMING**
 - ALL STRUCTURAL WOOD MEMBERS SHALL BE No. 2 SOUTHERN YELLOW PINE, 19% MAXIMUM MOISTURE CONTENT, UNLESS OTHERWISE NOTED. INTERIOR NON BEARING PARTITIONS MAY BE No. 2 SPRUCE (SPF).
 - ALL WOOD FRAMING, DIRECTLY EXPOSED TO WEATHER, OR IN DIRECT CONTACT WITH MASONRY, SOIL OR CONCRETE, SHALL BE PRESSURE TREATED, UNLESS OTHERWISE NOTED.
 - ALL LVLs, DIRECTLY EXPOSED TO WEATHER, OR IN DIRECT CONTACT WITH MASONRY, SOIL OR CONCRETE, SHALL BE EXTERIOR GRADE, UNLESS NOTED OTHERWISE.
 - ALL METAL CONNECTORS SHALL BE HOT DIP GALVANIZED. INSTALL ALL CONNECTORS PER THE MANUFACTURER'S RECOMMENDATIONS. METAL CONNECTOR DESIGNATIONS INDICATED ON PLANS, ARE FOR 'SIMPSON STRONG-TIE' ANCHORS. ANCHORS FROM OTHER MANUFACTURERS MAY BE USED, PROVIDED THEY HAVE EQUIVALENT STRENGTH.
 - ALL NAILED CONNECTIONS SHALL BE IN ACCORDANCE WITH NORTH CAROLINA STATE BUILDING CODE TABLE 2304.9.1. - FASTENING SCHEDULE, UNLESS OTHERWISE NOTED.
 - FRAMING CONNECTIONS THAT ARE BOLTED OR SCREWED, SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD.
 - PROVIDE STUDS AND HEADERS AT ALL EXTERIOR WALLS AND INTERIOR BEARING WALLS AS FOLLOWS, UNLESS OTHERWISE NOTED:

OPENING WIDTH	STUDS	HEADER
0'-0" TO 6'-0"	2 KING STUDS, 1 JACK STUD	(2) 2 x 10 @ 2 x 4 WALL (3) 2 x 10 @ 2 x 6 WALL
6'-1" TO 8'-0"	2 KING STUDS, 2 JACK STUDS	(2) 2 x 10 @ 2 x 4 WALL (3) 2 x 10 @ 2 x 6 WALL
8'-1" TO 12'-0"	3 KING STUDS, 2 JACK STUDS	(2) 2 x 12 @ 2 x 4 WALL (3) 2 x 12 @ 2 x 6 WALL

3. WOOD DECKING/SHEATHING

- ROOF SHEATHING SHALL BE 1/2" PLYWOOD OR ORIENTED STRAND BOARD (OSB), UNLESS OTHERWISE NOTED. ATTACH ROOF SHEATHING TO FRAMING WITH 8d NAILS AT 4" O.C. AT PANEL EDGES AND 12" O.C. AT INTERIOR MEMBERS. PROVIDE SOLID BLOCKING AT PANEL EDGES (48" O.C.).
- SUB-FLOOR SHALL CONSIST OF 3/4" TONGUE AND GROOVE PLYWOOD UNLESS OTHERWISE NOTED. FASTEN WITH 8d NAILS AT 6" O.C. AT PANEL EDGES, AND AT 12" O.C. AT INTERIOR SUPPORTS.

4. PRE-ENGINEERED WOOD TRUSSES

- PRE-ENGINEERED TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED, IN ACCORDANCE WITH TRUSS PLATE INSTITUTE (T.P.I.) SPECIFICATIONS.
- PRE-ENGINEERED TRUSS MANUFACTURER SHALL DESIGN ALL TEMPORARY AND PERMANENT TRUSS BRACING, AND CLEARLY INDICATE ALL BRACING SIZES AND LOCATIONS ON THE SHOP DRAWINGS.
- TRUSS HANGERS: AT EACH TRUSS END THAT DOES NOT HAVE A STANDARD BEARING CONNECTION, PROVIDE AN ENGINEERED CONNECTION THAT IS CAPABLE OF SUPPORTING THE REQUIRED REACTION.
- COORDINATE TRUSS PROFILES AND OVERHANG DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- HURRICANE ANCHORS SHALL BE SPECIFIED BY THE TRUSS MANUFACTURER UNLESS OTHERWISE NOTED. ENGINEER OF RECORD CAN SPECIFY ANCHORS IF LOADING INFORMATION IS PROVIDED BY TRUSS MANUFACTURER. ALL TRUSS TO TRUSS CONNECTORS SHALL BE SPECIFIED BY TRUSS MANUFACTURER.
- CONTRACTOR SHALL SUBMIT TRUSS SHOP AND LAYOUT DRAWINGS FOR APPROVAL, PRIOR TO THE FABRICATION OF THE TRUSSES. ALL TRUSS DRAWINGS SHALL BE SEALED BY A NORTH CAROLINA PROFESSIONAL ENGINEER.
- ALL PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED TO SUPPORT THE DEAD AND LIVE LOADS INDICATED AS FOLLOWS:

UNIFORM LOADS:	ROOF TRUSSES
TOP CHORD LIVE LOAD	20 PSF
TOP CHORD DEAD LOAD	10 PSF
BOTTOM CHORD DEAD LOAD	10 PSF

STRUCTURAL DESIGN CRITERIA:

- DESIGN LOADS:**

ROOF DEAD LOAD	MAX	MIN (FOR UPLIFT)
ROOF SHINGLES	2 PSF	2 PSF
SHEATHING	3 PSF	2 PSF
ROOF FRAMING	5 PSF	3 PSF
PIPING, DUCT, ETC.	2 PSF	0 PSF
	12 PSF	7 PSF
- LIVE LOADS**

ROOF LIVE LOAD - ALL AREAS GREATER OF 20 PSF MINIMUM OR SNOW LOAD. LIVE LOAD REDUCTION CAN BE USED IN ACCORDANCE WITH 2018 NCBC, SECTION 1607.10

1ST FLOOR LIVE LOAD = 100 PSF
- SNOW LOAD**

GROUND SNOW LOAD = 10 PSF (ENGELHARD, NC)

SNOW LOAD IMPORTANCE FACTOR: I = 1.0

SNOW EXPOSURE FACTOR = 1.0

SNOW THERMAL FACTOR = 1.0

ROOF SNOW LOAD = 7 PSF

BASIC DESIGN ROOF SNOW LOAD = 7.0 PSF
- WIND LOAD**

BASIC WIND SPEED: Vult = 133 MPH (ENGELHARD, NC)

RISK CATEGORY: I II III IV

WIND EXPOSURE CATEGORY: 'B' (ASCE 7-10)

WIND BASE SHEAR (FOR MWFRS): Vx = K Vy = K (N/A EXIST. BLDG)

INTERNAL PRESSURE COEFFICIENT: ±0.55

- SEISMIC LOADS (N.C. STATE BLDG. CODE):**

SEISMIC IMPORTANCE FACTOR: I = 1.0

RISK CATEGORY: I II III IV

SEISMIC DESIGN CATEGORY: A B C D

MAPPED SPECTRAL RESPONSE ACCELERATION: Sa 0.7% g S1 4.8% g

SPECTRAL RESPONSE COEFFICIENTS: Sds 0.2 S1 0.7

SEISMIC RESPONSE COEFFICIENT: Cs 0.036

RESPONSE MODIFICATION FACTOR, R 3.25 (ORDINARY MASONRY SHEAR WALLS)

SITE CLASSIFICATION: A B C D E F

BASIC STRUCTURAL SYSTEM:
 - X BEARING WALL
 - ___ DUAL w/ SPECIAL MOMENT FRAME
 - ___ BUILDING FRAME
 - ___ DUAL w/ INTERMEDIATE R/C OR SPECIAL STEEL
 - ___ MOMENT FRAME
 - ___ INVERTED PENDULUM

SEISMIC BASE SHEAR Vx = K Vy = K (N/A EXIST. BLDG.)

ANALYSIS PROCEDURE: SIMPLIFIED X EQUIVALENT LATERAL FORCE MODAL

ARCHITECTURAL, MECHANICAL COMPONENTS ANCHORED? YES X NO

LATERAL DESIGN CONTROL: EARTHQUAKE X WIND

ALL DESIGN LOADS ARE PER NORTH CAROLINA STATE BUILDING CODE 2018 EDITION.

- FOUNDATION DESIGN CRITERIA:**
 - MINIMUM FOOTING BEARING DEPTH BELOW GRADE IS 12 INCHES.
 - FOUNDATION DESIGN IS BASED ON A PRESUMPTIVE MAXIMUM ALLOWABLE SOIL BEARING CAPACITY OF 1,500 PSF.
 - CONTRACTOR SHALL FIELD VERIFY THE SOIL BEARING CAPACITY PRIOR TO START OF CONSTRUCTION.

REVISIONS	

DRAWN BY: GBP
PROJECT #: 21014
ISSUE DATE: 03-31-2023

PHASE:
75% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER
ROOF FRAMING DETAILS SECTIONS & NOTES

S1.2



RPA ENGINEERING, P.A.
Structural Engineering Solutions
Engineering License Certificate No. C-2734
102 Regency Blvd. Phone: 252-321-6027
Suite A1 Greenville, NC 27834 Fax: 252-355-2179
RPA Project No.: 2022449



SPECIFICATIONS
for
ASBESTOS-CONTAINING MATERIAL ABATEMENT
and
MOLD REMEDIATION
at
DAVIS VENTURES COMMUNITY CENTER
33478 US HIGHWAY 64 EAST
ENGELHARD, NORTH CAROLINA

AEC Project #23150

Designed and Prepared For:
INTREPID Architecture
114 East 3rd Street
Greenville, North Carolina 27858
(252) 270-5330

Designed and Prepared By:
Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, North Carolina 28802
(828) 508-3812

Submitted: July 10, 2023
Designer: Mike G. Cook, CIEC
NC Accreditation No.: 40433



A handwritten signature in black ink, appearing to read "Mike G. Cook", is written over a horizontal line.

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ASBESTOS ABATEMENT TECHNICAL SPECIFICATIONS

SECTION - 01043

PROJECT COORDINATION

1.01 GENERAL

- A. All asbestos abatement contractors will be licensed general contractors in either the specialty interior, building, unclassified or asbestos categories by the North Carolina Licensing Board of General Contractors and limited for the bid amount.
- B. The contractor shall be responsible for inspecting the site prior to bidding to confirm the scope of the work. Any quantities listed by the designer in the plans, specifications or survey are done so as approximations. The actual quantities of asbestos-containing material to be encountered are the responsibility of the contractor.
- C. The contractor shall furnish and is responsible for all costs including, but not limited to: permit fees, containment preparation, labor, materials, services, insurance, bonding, and equipment necessary to carry out the abatement operations and disposal of all asbestos material in accordance with the plans and specifications, the EPA and OSHA regulations, and any applicable state and local government regulations.
- D. The contractor/employer has and assumes the responsibility of proceeding in such a manner that he offers his employees a workplace free of recognized hazards causing or likely to cause death or serious injury. The contractor shall be responsible for performing this abatement and disposal so that airborne asbestos fiber levels do not exceed established levels.
- E. The contractor will be responsible for all costs associated with employee monitoring to meet the OSHA requirements.
- F. The contractor is responsible for all costs, including additional visits, should the designer and/or the industrial hygiene firm determine that the contractor failed a final inspection. Notification and scheduling of the final inspection during the project is the responsibility of the contractor. The contractor will allow a minimum notice of 48 hours unless a different time frame is agreed upon by the designer and the contractor.

1.02 PERSONNEL

A. Supervisor

1. All supervisors shall be accredited by the Health Hazards Control Unit (HHCU).
2. All supervisors on the project shall have two years experience in the administration and supervision of asbestos abatement projects including work practices, protective measures for building and personnel, disposal procedures, etc.
3. One supervisor shall be provided for every 10 workers inside the containment. A minimum of one supervisor shall be provided per project.
4. The contractor shall have at least one employee on the job site in either a foreman or supervisor's position who is bilingual in the appropriate languages when employing workers who do not speak fluent English.
5. A minimum of one supervisor per company shall have attended a 24-hour respiratory protection course.

B. Worker

1. All workers shall be accredited by the HHCU.

C. Competent Person

1. A competent person, as defined in the OSHA asbestos standard 29 CFR 1926.1101, employed by the contractor must be outside the work area at all times to monitor activity, ensure containment security, provide information to visitors, and provide access to the work area.

D. Employees

1. The contractor is responsible for the behavior of workers within his employment. If at any time during the contracted work, any of his employees are judged to exhibit behavior unfitting for the area or judged to be a nuisance by the owner or designer, the contractor shall remove them immediately from the project.
2. The contractor shall be responsible for compliance with the following concerning employee behavior:

- a. Under no circumstances are alcohol, drugs or any other type of controlled substances permitted on state property.
 - b. All workers are restricted to the construction project site only.
 - c. All vehicles must be parked in areas prearranged with the owner.
 - d. All workers must conform to the following basic dress code when in public areas of the project confines: long pants, shirts, no tank tops, no shorts, no bare backs.
 - e. The contractor is responsible for disposal of all trash brought on state property by his employees, including drink cans, bottles or other food containers and wrappers.
3. Failure to adhere to these rules could result in criminal prosecution and/or removal from the State property.

1.03 MEETINGS

A. Pre-bid

A pre-bid conference will be held only for the General Contract. All contractors submitting a bid are encouraged to attend, visit the site and ask questions concerning the plans and specifications. The designer will review the plans and specifications, present required techniques and safeguards for the removal of the asbestos and identify locations of water, electrical sources, etc. Any minutes, new points or clarifications raised during the meeting will be issued by the designer in an addendum prior to bids.

1.04 PRE-JOB SUBMITTALS

- A. Submit pre-job submittals to the owner at least 10 days prior to start of work. Work is prohibited until submittal package has been reviewed and approved by designer. A copy of the approved submittals shall be kept in a three-ring binder (project log) by the contractor at the project site in the clean room or in the on-site office of the contractor.
1. Notifications: Provide copies of Asbestos Permit Application and Notification for Demolition/Renovation (DEHNR 3768), which provide written notice to all required agencies, including North Carolina HHCU. Provide notification letters to local EMS, fire and police departments.

2. Employee List: Provide copies of lists of supervisors and workers, along with their accreditation and Social Security numbers, to be utilized on the project.
3. Permits: Provide copies of approval of a waste disposal site in compliance with 40 CFR 61.154.
4. Medical: Include individually signed and notarized forms by each worker to be utilized on the project documenting that each is actively involved in a company employee medical surveillance program.
5. Initial Exposure Assessment as required by OSHA 29 CFR 1926.1101.
6. Respirator Training: Copies of most recent fit testing records, individually signed, for each worker to be utilized on the project.
7. Any other programs or training as outlined by the OSHA and EPA standards.
8. A copy of the license of the electrician to be used on the project.
9. A copy of personnel air monitoring from previous asbestos abatement projects.

1.05 POST-JOB SUBMITTALS

- A. Submit post-job submittals to the owner following the final completion of the work. Requests for final payment will not be approved until the submittal package has been reviewed and approved by the designer.
 1. Affidavits: Contractor's affidavit of payment of debts and claims, affidavit of release of liens, and consent of Surety Company to final payment.
 2. Manifest: North Carolina Asbestos Waste Shipment Record (DEHNR 3787) receipt from landfill operator which acknowledges the contractor's delivery(s) of waste material. Include date, quantity of material delivered and signature of authorized representative of landfill. Also, include name of waste transporter.
 3. Daily Log: A notarized copy of all daily logs showing the following: name, date, entering and leaving time, company or agency represented, reason for entry for all persons entering the work area, employee's daily air monitoring data as required by the OSHA standard and written comments by inspectors, industrial hygienists, designers and visitors.

4. Medical: Copies of worker release forms, asbestos training certification forms and respirator training documentation of all new employees hired during the project.
5. Special Reports: All documents generated under Section 01043.1.06.

1.06 SPECIAL REPORTS

- A. General: Except as otherwise indicated, submit special reports to designer within one day of occurrence requiring special report, with copies to others affected by occurrence. Also keep a copy in the project logbook.
- B. Reporting Unusual Events: When an event of unusual and significant nature occurs at site (examples: failure of negative pressure system, rupture of temporary enclosures), prepare and submit a special report to the designer immediately, listing chain of events, persons participating, response by contractor's personnel, evaluation of results or effects, and similar pertinent information. When such events are known or predictable in advance, advise designer in advance at earliest possible date.

1.07 CONTINGENCY PLAN

- A. Contingency Plan: Prepare a contingency plan for emergencies including fire, accident, power failure, negative pressure system failure, supplied air system failure (if applicable), evacuation of injured persons for both life threatening and non-life threatening, or any other event that may require modification or abridgment of decontamination or work area isolation procedures. Include in plan specific procedures for decontamination or work area isolation. Note that nothing in this specification should impede safe exiting or providing of adequate medical attention in the event of an emergency. Keep these plans in the on-site office.
- B. Post outside/in clean room of Personnel Decontamination Unit:
 1. Telephone numbers and locations of emergency services including but not limited to, fire, ambulance, doctor, hospital, police, power company, telephone company and the North Carolina HHCU.
 2. A copy of Material Safety Data Sheets (MSDS) for any chemicals used during the asbestos project.
 3. The contractor shall post asbestos signs in each appropriate language as per the OSHA 29 CFR 1926.1101 standard.

SECTION 01092

CODES AND REGULATIONS

1.01 REFERENCE SPECIFICATIONS

The contractor shall assume full responsibility and liability for compliance with all applicable federal, state and local regulations pertaining to work practices, hauling, disposal, and protection of workers, visitors to the site, and persons occupying areas adjacent to the site.

Unless modified by these project specifications, all specifications for stripping, removal, repair and disposal work shall conform to the following specifications and standards, as applicable, as if completely reproduced herein.

- A. The following regulations published by the Environmental Protection Agency (EPA):
1. "National Emissions Standards for Hazardous Air Pollutants Asbestos," 40 CFR Part 61, Subpart M.
 2. "General Provisions," 40 CFR Part 61, Subpart A.
 3. "Guidance for Controlling Asbestos-Containing Materials in Buildings" June 1985. (EPA # 560/5-85-024).
 4. "Asbestos-Containing Materials in Schools," 40 CFR Part 763, Subpart E including appendices.
- B. The following regulations published by the U.S. Department of Labor, OSHA:
1. "Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules," Title 29, Part 1910, Section 1001 and Part 1926, Section 1101 of the Code of Federal Regulations.
 2. "Respiratory Protection," Title 29, Part 1910, Section 134 of the Code of Federal Regulations.
 3. Construction Industry, Title 29, Part 1926, of the Code of Federal Regulations.
 4. "Access to Employee Exposure and Medical Records," Title 29, Part 1910, Section 20 of the Code of Federal Regulations.

5. "Hazard Communication," Title 29, Part 1926, Section 59 of the Code of Federal Regulations.
 6. "Specifications for Accident Prevention Signs and Tags," Title 29, Part 1910, Section 145 of the Code of Federal Regulations.
- C. The following regulations published by North Carolina state agencies:
1. North Carolina Asbestos Hazard Management Program Rules as adopted by 15A NCAC 19C .0600.
 2. "North Carolina Occupational Safety and Health Standards for the Construction Industry," 29 CFR Part 1926 as adopted by T13 NCAC 07F .0201, and shipyard T13:07F.0500.
 3. North Carolina General Statutes, Chapter 95, 97, 130.
- D. The following documents published by the American National Standards Institute:
1. "Fundamentals Governing the Design and Operation of Local Exhaust Systems," Z9.2-1979.
 2. "American National Standard for Respiratory Protection Respiratory Use - Physical Qualifications for Personnel," Z88.6-1984.
 3. "Practices for Respiratory Protection," Z88.2-1992.

1.02 NOTICES

- A. The contractor shall notify the following offices in writing within the time frame specified by the NESHAP regulations prior to beginning any asbestos removal operations.
1. State Agencies

NC DHHS Health Hazards Control Unit
Occupational & Environmental Epidemiology Branch
1912 Mail Service Center
Raleigh, N.C. 27699-1912
Telephone: (919) 707-5950

N.C. Department of Labor
Division of Occupational Safety and Health
4 West Edenton Street

Raleigh, N.C. 27603
Mail: 1101 Mail Service Center
Raleigh, N.C. 27699-1101
Telephone: 1-800-LABOR-NC

2. Local Programs

When work is performed in Buncombe, Mecklenburg, or Forsyth counties, the air quality programs in these counties must be notified and their regulations shall be adhered to. Addresses of these agencies can be found on page 3 of DEHNR (3768) form. Phone numbers are listed below.

Buncombe County	(828) 250-6776
Forsyth County	(336) 703-2440
Mecklenburg County	(704) 336-5430

3. Emergency Departments

Notify the local emergency medical services, police and fire departments in writing of the type and scope of work being performed and request these departments make an inspection prior to beginning the work.

4. Licenses

Maintain current licenses for contractor and accreditation for workers and supervisors as required by applicable State or local jurisdictions for the removal, transporting, disposal or other regulated activity relative to the work of this contract.

5. A courtesy notification for any amount of asbestos, regulated or non-regulated, to be removed shall be sent to the HHCU 10 working days prior to the start date of the asbestos removal.

SECTION 01410

AIR MONITORING - INDUSTRIAL HYGIENE FIRM

1.01 GENERAL

- A. The owner shall be responsible for the coordination and contracting of an industrial hygiene firm. The owner will pay for the services of the industrial hygiene firm.
- B. Air monitoring shall be done under the direct supervision of a North Carolina accredited supervising air monitor (SAM), except for sampling performed by the contractor to satisfy OSHA requirements.
- C. SAM shall be accredited per the Asbestos Hazard Management Program rules.
- D. Air monitor shall be accredited as per the Asbestos Hazard Management Program rules and work under the direct supervision of a SAM.
- E. The industrial hygiene firm shall submit copies of their N.C. accreditations and documentation on respiratory protection training to the designer prior to the award of the contract.
- F. If specific project activities are assigned to an air monitor, the SAM is expected to be in direct control and responsible for industrial hygiene work completed on the project. The SAM shall approve and sign all air monitoring results performed by the air monitor. The SAM signature must be an original. No rubber stamp signature shall be accepted.
- G. Employees of the HHCU shall have right of entry into the project. The HHCU's SAM shall have final authority over the industrial hygiene firm on the project.

1.02 DESCRIPTION OF WORK

- A. The industrial hygiene firm shall offer expertise to the designer and contractor, but is not directly responsible for the performance of the job.
- B. At the job site, the industrial hygiene firm is expected to observe, be aware, and comment on general work site conditions and activities as they relate to the specifications and profession of industrial hygiene, and make recommendations in writing to the designer and contractor.

- C. The industrial hygiene firm is responsible for overseeing the protection of the environment from contamination, protection of persons in adjacent areas, and assurance that the areas are acceptable for occupancy.
- D. The industrial hygiene firm has the authority to direct the contractor relative to safety and environmental concerns. This includes stopping the work if necessary. All directions and comments made by the industrial hygiene firm to the contractor shall be written with a copy to the designer.
- E. The industrial hygiene firm shall furnish the contractor a copy of his field report within 24 hours of the visit. Copies of field notes and reports of observations shall be kept in project logbook.
- F. The SAM shall review and make comments to the designer on the submittals listed in Section 01043.
- G. The SAM shall approve any change in contractor's respiratory protection. This includes a review of the historical data.
- H. The industrial hygiene firm is to conform to the contractor's schedule and shall respond to necessary changes provided an advance notice is given as outlined in Section 01043.
- I. The industrial hygiene firm's project monitor shall furnish designer and contractor with a pager or mobile phone number where he can be reached quickly at all times.
- J. The industrial hygiene firm shall notify the designer and contractor, in writing, of any failed clearance visits.
- K. At the completion of the project, the industrial hygiene firm shall prepare a report describing the assessment of the project, all air monitoring data, acceptance letters, calibration records, and a description of the project as it proceeded to completion and submit four copies of the report to the designer.

1.03 AIR MONITORING

- A. Ambient Air Monitoring: The purpose of ambient air monitoring by the industrial hygiene firm will be to detect discrepancies in the work area isolation such as:
 - 1. Contamination of the building outside of the work area with airborne asbestos fibers.
 - 2. Failure of filtration or rupture in the negative pressure system.

3. Confirm the work practices established by the contractor and respiratory protection provided for employees are adequate.

- B. Work Area Airborne Fiber Levels: The owner's industrial hygiene firm will monitor airborne fiber levels in the work area. The purpose of this air monitoring will be to detect airborne fiber levels which may challenge the ability of the work area isolation procedures to protect the balance of the building or outside of the building from contamination by airborne fibers.

- C. Work Area Clearance: To determine if the elevated airborne fiber levels encountered during abatement operations have been reduced to an acceptable level, the industrial hygiene firm will sample and analyze air per Section 01714.

- D. In accordance with AHMB Program Rules, the SAM shall develop an Abatement Project Monitoring Plan which complies with EPA and OSHA analytical criteria and will provide a valid representation of airborne fiber concentrations both inside and outside the work area. This program is not intended to satisfy the contractor's requirement for sampling under the OSHA regulation. All personnel and area sampling conducted by the industrial hygiene firm shall be personally observed. Air sampling pumps shall not be left unattended for extended periods of time.
 1. The SAM shall submit a written project-monitoring plan to the designer with a copy to the contractor. The following information shall be required for the submittal.
 - a. The name, address, and telephone number of the industrial hygiene firm.
 - b. The name, address, telephone number and NIOSH's PAT designation and proficiency data for the laboratory analyzing the air samples. Analysis of all samples collected shall be by a laboratory currently proficient in NIOSH's "Proficiency Analytical Testing Program for Laboratory Quality Control" for asbestos. The acceptable sampling and analysis method is NIOSH 7400, latest revision.

Persons performing phase contrast microscopy analysis at the asbestos removal location shall be proficient in the American Industrial Hygiene Association's Asbestos Analyst Registry Program [AAR].
 - c. A proposed air sampling strategy which shall include: a projected number of air samples, locations, the types of air samples to be collected (personal, area, ambient), how the air samples are to be collected (TWA, ceiling, other), the equipment to be used (pumps,

calibration equipment, filters, other), and how the samples will be transported to the laboratory.

1. All personal air samples will be collected in such a manner as to comply with OSHA collection and analytical regulations and to provide a valid representation of airborne fiber levels. The samples collected by the industrial hygiene firm on personnel do not satisfy the contractor's responsibility under OSHA.
 2. All final area air sampling will comply with all State and Federal requirements in measuring airborne asbestos following an abatement action.
 3. Air samples will be analyzed and results made available as per the AHMB Program Rules. Copies of all air-sampling results shall be signed by the SAM and a copy posted at the job site. These copies shall include the following: sample number, sample location, activity represented by sample, flow rate, sample time, comments and sample results. A statement will be included on each submission that the requirements of this contract have been met as they apply to the activities of the SAM.
 4. If TWA samples are being collected by the contractor for the purpose of reducing respiratory protection requirements, the industrial hygiene firm shall directly observe the conditions and work practices represented by each sample and make appropriate notes in the bound book on site. The SAM shall review all TWA air-sampling results which are used for reducing respiratory protection requirements before accepting the results.
- E. Supplemental air monitoring may be conducted inside and outside the work area by the HHCU. This supplemental sampling does not fulfill air-monitoring responsibilities required by OSHA, EPA or this contract.
- F. Daily air samples shall be read on site by a North Carolina Accredited Air Monitor rated as proficient in the AAR Program.

SECTION 01503

TEMPORARY FACILITIES

1.01 GENERAL

- A. Provide temporary connection to existing building utilities or provide temporary facilities as required herein or as necessary to carry out the work.
- B. Use qualified tradesmen for installation of temporary services and facilities. Locate, modify and extend temporary services and facilities where they will serve the project adequately and result in minimum interference with the performance of the work.

1.02 WATER SERVICE

- A. Owner shall supply a source of water. Contractor bears all expense of heating and getting water to the work and decontamination areas.
- B. Supply hot and cold water to the decontamination unit in accordance with Section 01563. Hot water shall be supplied at a minimum temperature of 100 degrees Fahrenheit.
- C. After completion of use, connections and fittings shall be removed without damage or alteration to existing water piping and equipment.

1.03 ELECTRICAL SERVICE

- A. General: Comply with applicable NEMA, NEC and UL standards and governing state and local regulations for materials and layout of temporary electric service.
- B. Ground Fault Protection: Provide receptacle outlets equipped with ground fault circuit interrupters, reset button and pilot light, for plug-in connection of power tools and equipment.
- C. Provide a weatherproof, grounded temporary electric power service and distribution system of sufficient size, capacity and power characteristics to accommodate performance of work during the construction period.
- D. Install temporary lighting adequate to provide sufficient illumination for safe work and traffic conditions in every area of work.
- E. Provide services of an electrician, on a standby basis, to service electrical needs during the abatement process.

- F. Provide additional power service and distribution service, consisting of individual dedicated 15 amp 120 volt circuits to electrical drops with receptacle outlets equipped with ground fault interrupt protection, color coded for the exclusive use of the industrial hygiene firm.

1.04 FIRST AID

- A. A minimum of one first-aid kit shall be located in the clean room. Additional first aid kits as the contractor feels is adequate or is required by law shall be located throughout the work area.

1.05 FIRE EXTINGUISHERS

- A. Comply with the applicable recommendations of NFPA Standard 10 - "Standard for Portable Fire Extinguishers." Locate fire extinguishers where they are most convenient and effective for their intended purpose, but provide not less than one extinguisher in each work area equipment room and one in the clean room of the personnel decontamination unit.

1.06 TOILET FACILITIES

- A. Provide temporary toilet facilities to be used by contractor's employees unless the owner agrees in writing to provide the contractor with onsite toilet facilities.

1.07 PARKING

- A. Park only in areas designated by the owner.

1.08 BUILDING SECURITY

- A. Maintain personnel on-site at all times any portion of the work areas are open or not properly secured. Secure work areas completely at the end of each day.

1.09 STORAGE

- A. Supply temporary storage required for storage of equipment and materials for duration of project. Trailer and storage dumpsters will be maintained in areas designated by the owner.

SECTION 01513

NEGATIVE PRESSURE SYSTEM

1.01 GENERAL

- A. High efficiency particulate air (HEPA) filter exhaust systems equipped with new HEPA filters for each project shall be used. Exhaust equipment and systems shall comply with ANSI Z9.2-79 and used according to manufacturer's recommendations.
- B. A system of HEPA-equipped air filtration devices shall be configured so that a pressure differential is established between the work area and the surrounding area (-0.02 to -0.04" water column). A continuous chart-recorded manometer shall be used to confirm this condition.
- C. Additional air filtration devices shall be provided inside the work area for emergency standby as well as for circulation of dead air spaces.
- D. The pressure differential is maintained at all times after preparation is complete and until the final visual inspection and air tests confirm the area is clean and acceptable for occupancy and the designer confirms verbally with written follow-up to discontinue the use of the negative pressure system.
- E. Air shall be exhausted outside. Any variations must be approved by the HHCU.
- F. The contractor shall check daily for leaks and log his checks in the bound logbook. This includes checks internal to air-moving devices.
- G. There shall be a minimum of four air changes per hour in any containment.

SECTION 01526

WORK AREA PREPARATION

1.01 GENERAL

- A. Before work begins in an area, a decontamination unit must be in operation as outlined in Section 01563. The decontamination unit shall insure that the abatement work area is completely isolated from other parts of the building.
- B. Temporary facilities shall be addressed as outlined in Section 01503.
- C. The contractor shall wet up a work area, load out, and decontamination area as shown in the plans and specifications. Any variations must be approved by the designer. The decontamination facility outside of the work area shall consist of a change room, shower room, and equipment room as described in Section 01563.
- D. The contractor shall wet clean and/or HEPA vacuum all items and equipment in the work area suspected of being contaminated with asbestos, but not in direct contact with the asbestos material and either secure these items in place with polyethylene sheeting or have them removed from the work area.
- E. Critical Barriers: The contractor shall thoroughly seal the work area for the duration of the work. The sealant materials used shall have appropriate fire ratings.
- F. The floors will have two layers of 6-mil (minimum) polyethylene plastic sheeting with joints overlapped 24 inches and taped securely. Plastic shall be carried up walls a minimum of 12 inches and secured.
- G. The walls will have one layer of 4-mil (minimum) polyethylene plastic sheeting with joints lapped 24 inches and taped securely. Plastic shall be lapped over floor coverings and taped securely.
- H. Floors and walls shall be installed in such a manner that they may be removed independently of the critical barriers.
- I. Entrances and exits from the work area will have triple barriers of polyethylene plastic sheeting so that the work area is always closed off by one barrier when workers enter or exit.
- J. No water may be left standing on the floor at the end of the workday.

- K. The contractor shall establish and mark emergency and fire exits from the work area. Emergency procedures shall have priority over established decontamination entry and exit procedures. Audible and visible fire and emergency evacuation alarms shall be installed so as to be heard and seen throughout the entire work area.
- L. Integrity of these seals shall be regularly checked and maintained by the contractor.
- M. After work area preparation, the contractor shall notify the designer verbally with written follow-up that he is ready for a prework inspection.
- N. The Contractor shall take all necessary measures to prevent damage of the interior surfaces inside and outside the work area. The Contractor shall be responsible for any and all damages inside or outside the work area caused by the asbestos abatement operations including water damage, contamination, construction of the containment, or any other activity.

SECTION 01560

WORKER PROTECTION

1.01 GENERAL

- A. Provide worker protection as required by OSHA, state and local standards applicable to the work. Contractor is solely responsible for enforcing worker protection requirements at least equal to those specified in this Section.
- B. Each time the work area is entered the contractor shall require all persons to remove all street clothes in the changing room of the personnel decontamination unit and put on new disposable coverall, new head cover, and a clean respirator. Proceed through shower room to equipment room and put on work boots.
- C. Workers shall not eat, drink, smoke, chew gum or chew tobacco in the work area, the equipment room, the load out area, or the cleanroom.

1.02 WORKER TRAINING

- A. Train all workers in accordance with 29 CFR 1926 and North Carolina state regulations regarding the dangers inherent in handling asbestos, breathing asbestos dust, proper work procedures and personal and area protective measures.

1.03 MEDICAL EXAMINATIONS

- A. Provide medical examinations for all workers. Examination shall as a minimum meet OSHA requirements as set forth in 29 CFR 1926 and N.C. Workmen's Compensation Act Dusty Trades Examination Record (DEHNR Form 2796).

1.04 PROTECTIVE CLOTHING

- A. Provide disposable full-body coveralls and disposable head covers, and require that they be worn by all workers in the work area. Provide a sufficient number for all required changes, for all workers in the work area.
- B. Boots: Provide work boots with non-skid soles and, where required by OSHA, foot protection for all workers.
- C. Gloves: Provide work gloves to all workers and require that they be worn at the appropriate times. Do not remove gloves from work area. Dispose of work gloves as asbestos-contaminated waste at the completion of the project.

1.05 ADDITIONAL PROTECTIVE EQUIPMENT

- A. If required, powered air purifying respirators (PAPR's) with replaceable HEPA filters, disposable coveralls, head covers and footwear covers shall be provided by the contractor for the owner, the designer, Industrial hygiene firm and other authorized representatives who may inspect the job site.

1.06 DECONTAMINATION PROCEDURES

- A. Require that all workers use the following decontamination procedure as a minimum requirement whenever leaving the work area:
1. Remove disposable coveralls, disposable head covers, and disposable footwear covers or boots in the equipment room.
 2. Still wearing respirators, proceed to showers. Showering is mandatory. Care must be taken to follow reasonable procedures in removing the respirator to avoid asbestos fibers while showering. The following procedure is required as a minimum:
 - a. Thoroughly wet body including hair and face.
 - b. With respirator still in place thoroughly wash body, hair, respirator face piece, and all exterior parts of the respirator.
 - c. Take a deep breath, hold it and/or exhale slowly, completely wet hair, face and respirator. While still holding breath, remove respirator and hold it away from face before starting to breathe.
 - d. Carefully wash face piece of respirator inside and out.
 - e. Shower completely with soap and water; rinse thoroughly.
 - f. Rinse shower room walls and floor prior to exit.
 - g. Proceed from shower to changing (clean) room and change into street clothes or new disposable work items.
 3. After showering, each employee shall inspect, clean and repair his respirator as needed. The respirator shall be dried, placed in a suitable storage bag and properly stored.

SECTION 01562

RESPIRATORY PROTECTION

1.01 DESCRIPTION OF WORK

- A. Instruct and train each worker involved in asbestos abatement in proper respirator use and require that each worker always wear a respirator, properly fitted on the face, in the work area from the start of any operation which may cause airborne asbestos fibers until the work area is completely decontaminated. Use respiratory protection appropriate for the fiber level encountered in the workplace or as required for other toxic or oxygen-deficient situations encountered.

1.02 GENERAL

- A. Provide workers with personally issued and marked respiratory equipment approved by NIOSH and MSHA and suitable for the asbestos exposure level in the work areas according to OSHA Standard 29 CFR 1926.1101 and other possible contaminants employees might be exposed to during the project.
- B. Provide respiratory protection from the time the first operation involved in the project requires contact with asbestos-containing materials (including construction of decontamination units, construction of airtight barriers/barricades, and placing of plastic sheeting on walls) until acceptance of final air clearance test results by the industrial hygiene firm.
- C. The minimum respiratory protection for the project shall be half-face negative pressure respirator with replaceable HEPA filters. The contractor must supply workers with a powered air-purifying respirators (PAPR) if requested by the worker.
- D. Respirator fit testing shall be performed as a minimum at the beginning of the project, at any change in respiratory protection equipment, and at any time during the project if requested by the employee or SAM. Fit testing is to be performed by one of the methods listed in the 29 CFR 1926.1101, Appendix C.
- F. If supplied air respirators are used, the contractor shall provide a minimum of Grade "D" breathing air as set forth in the Compressed Gas Association's "Commodity Specifications for Air," G-7.1. The contractor shall test for Grade "D" breathing air initially and daily thereafter. Daily testing is not needed if the contractor has an air purification system that has CO and organic purging capabilities as well as a continuous CO monitor and alarm calibrated at 10 ppm. The system must be calibrated at least once a week or when it is moved.

- G. Provide emergency backup air supply, egress SCBA or egress HEPA filters for each worker in work area at all times when Type-C (supplied air) respirators are required. Breathing air system shall provide one hour of reserve air, calculated for maximum crew size for emergency evacuation.
- H. Where Type C respirators are utilized, the contractor is required to have an employee in the vicinity of the source of air. The contractor shall take into account the location of the fresh air intake to ensure no pollutant source is in the vicinity. The audible alarm shall be located where the employees inside and outside containment can hear the alarm.
- I. Do not allow the use of single-use, disposable or quarter-face respirators for any purpose.
- J. The contractor may submit a new exposure assessment (as per 29 CFR 1926.1101) to the SAM with a request to downgrade to less protective respirators. The SAM will make a recommendation to the designer, who will issue a decision in writing to the contractor approving or denying his request. If the contractor disagrees with the decision, then the representative air sampling data may be reviewed by the HHCU for a final decision.

SECTION 01563

DECONTAMINATION UNITS

1.01 DESCRIPTION OF WORK

- A. Provide that the personnel decontamination unit be the only means of ingress and egress for the work area. Require that all materials exit the work area through the decontamination unit. Contractor shall comply with 29 CFR 1926.1101, specifically paragraph (j) Hygiene facilities and practices for employees.

1.02 GENERAL

Provide separate personnel decontamination units and equipment/loadout decontamination units when practical.

- A. Personnel Decontamination Unit
1. Provide a Personnel Decontamination Unit consisting of a serial arrangement of connected rooms or spaces, changing room, shower room, equipment room. Each shall be separated by a minimum of three curtain doorways. Require all persons without exception to pass through this decontamination unit for entry into and exiting from the work area for any purpose. Do not allow parallel routes for entry or exit. Do not remove equipment or materials through Personnel Decontamination Unit.
 2. Provide temporary lighting within decontamination units as necessary to reach an adequate lighting level.
 3. Maintain floor of changing room dry and clean at all times. Do not allow the overflow water from the shower to escape the shower room.
 4. Damp wipe all surfaces twice after each shift change with a disinfectant solution.
 5. Provide hot and cold water, drainage and standard fixtures including an elevated showerhead as necessary for a complete and operable shower. A water hose and bucket is not an acceptable shower.
 6. Arrange water shut off and drain pump operation controls so that a single individual can shower without assistance from either inside or outside of the work area.

7. Pump shower wastewater to drain. Provide 20-micron and 5-micron wastewater filters in line to drain. Change filters daily or more often if necessary.
8. Visual Barrier: Where the decontamination area is immediately adjacent to and within view of occupied areas, provide a visual barrier of opaque plastic sheeting so that worker privacy is maintained and work procedures are not visible to building occupants. Where the area adjacent to the decontamination area is accessible to the public, construct a solid barrier on the public side of the sheeting to protect the sheeting. Construct barrier with wood or metal studs, max. 16 inches on center, covered with minimum 3/8-inch plywood.

B. Decontamination Unit Contamination:

1. If the air quality in the decontamination unit exceeds 0.01 fibers per cc analyzed by PCM or 70 structures per mm squared analyzed by TEM or its integrity is diminished through use as determined by the designer or industrial hygiene firm, no employee shall use the unit until corrective steps are taken and approved by the designer and industrial hygiene firm.

SECTION 01711

PROJECT DECONTAMINATION

1.01 GENERAL

- A. Carry out a first cleaning of all surfaces of the work area including plastic sheeting, tools, scaffolding and/or staging by use of damp-cleaning and mopping and/or a high efficiency particulate air (HEPA) filter vacuum until there is no visible debris from removed materials or residue on plastic sheeting or other surfaces. Do not perform dry-dusting or dry-sweeping.
- B. Equipment shall be cleaned and all contaminated materials removed before removing polyethylene from the walls and floors.
- C. The contractor shall replace all prefilters and clean the inside and outside of the HEPA exhaust units.
- D. After polyethylene sheets have been removed from walls and floors, the contractor shall clean all surfaces in the work area with amended water and/or HEPA-filtered vacuum.
- E. After cleaning the work area, the contractor shall allow the area to thoroughly dry and then wet-clean and/or HEPA vacuum all surfaces in work area again.
- F. At the completion of the cleaning operation, the contractor's supervisor shall perform a complete visual inspection of the work area to ensure that the work area is dust- and fiber-free. If the supervisor believes he is ready for a final project decontamination inspection, he shall notify the designer.
- G. The designer shall contact the industrial hygiene firm and advise the firm of the final project decontamination inspection requested by the contractor.
- H. Final project decontamination inspection includes the visual inspection and air monitoring clearance.
- I. Visual inspection for acceptance shall be performed after all areas are dry.
- J. The industrial hygiene firm shall perform the final visual inspection and conduct the final air clearance. Any discrepancies found shall be documented in the form of a punch list.
- K. Final air sampling shall not commence until the visual inspection is completed and passed.

- L. If the industrial hygiene firm finds that the work area has not been adequately decontaminated, cleaning and/or air monitoring shall be repeated at the contractor's expense, including additional industrial hygiene fees, until the work area is in compliance.
- M. After the work area is found to be in compliance, all entrances and exits shall be unsealed and the plastic sheeting, tape and any other trash and debris shall be disposed of in sealable plastic bags (6 mil minimum) and disposed of as outlined in Section 02084.
- N. All HEPA unit intakes and exhausts shall be wrapped with six-mil polyethylene before leaving the work area.
- O. After the industrial hygiene firm has approved the final project decontamination and the contractor has completed the tear down for occupancy by others, the designer shall perform the project final inspection as outlined in the general conditions.
- P. Any residual asbestos that may be present after removing critical barriers, that in the designer's judgment should have been cleaned during the precleaning phase prior to installing critical barriers, shall be cleaned and cleared at the contractor's expense.
- Q. There shall be appropriate seals totally enclosing the inspection area to keep it separate from clean areas or other areas where abatement is or will be in progress. Once an area has been accepted and passed air tests, loss of the critical barrier integrity or escape of asbestos into an already clean area shall void previous acceptance and tests. Additional visual and final air clearance sampling shall be required at the contractor's expense.

SECTION 01714

WORK AREA CLEARANCE

1.01 GENERAL

- A. Notification and scheduling of the final inspection during the project is the responsibility of the contractor.

1.02 FINAL CLEARANCE TESTING

- A. After the second cleaning operation and after the area is completely dry, the following procedure test shall be performed:
1. A final visual inspection shall be conducted by the industrial hygiene firm. The inspection shall be conducted following the guidelines set forth in the American Society for Testing and Materials, Standard Practices for Visual Inspection of Asbestos Abatement Projects, Designation: E1368.90. If the work area is found visibly clean, air samples will be collected by the industrial hygiene firm.
 2. During final clearance air monitoring, the accredited air monitor shall use aggressive air sampling techniques using a leaf blower or other device, except in crawlspace areas. See EPA-AHERA regulations (40 CFR Part 763, Subpart E, Appendix A).
 3. After completion of the visual inspection and passage of the visual inspection, final air clearance will be performed. Each regulated area of removal greater or equal to 3,000 square feet or 1,500 linear feet will be cleared using TEM methods. Regulated areas less than 3,000 square feet and 1,500 linear feet will be cleared using PCM methods.
 4. Samples to be analyzed using PCM (minimum of five samples using NIOSH 7400 method), then the maximum flow rate is 12 liters per minute, with a minimum sample size of 2,000 liters for each sample. Clearance criteria shall be less than 0.01 F/cc for all samples analyzed.
 5. Samples to be analyzed using TEM analysis, the Mandatory Transmission Electron Microscopy Method described in 40 CFR Part 763, Subpart E, Appendix F shall be used. Clearance criteria shall be an arithmetic mean less than or equal to 70 structures per square millimeter or a z-test less than or equal to 1.65.
 6. Final clearance criteria shall be in accordance with AHMB Program Rules.

7. The industrial hygiene firm shall immediately report the final air sampling clearance results to the designer.
8. The use of the negative pressure system may be discontinued after the industrial hygiene firm instructs the contractor that he has passed the final project decontamination inspection.

SECTION 02080

ASBESTOS REMOVAL

1.01 GENERAL

- A. Prior to starting asbestos removal, the contractor's equipment, work area, and decontamination units will be inspected and approved by the designer or designer's representative.
- B. All loose asbestos material removed in the work area shall be adequately wet, bagged, sealed and labeled properly before personnel breaks or end of shift.
- C. All plastic sheeting, tape, cleaning material, clothing and all other disposable material or items used in the work area shall be packed into sealable plastic bags (6 mil minimum) and treated as contaminated material.
- D. All material shall be double-bagged.
- E. All excess water (except shower water) shall be combined with removed material or other absorptive material and properly disposed of as per EPA regulations. Contractor shall not place water in storm drains, onto lawns, or into ditches, creeks, streams, rivers or oceans.

1.02. SCOPE OF WORK

Work in this project consists of furnishing of all labor, materials, equipment, and services reasonably incidental and implied for the removal of the asbestos-containing and mold decontamination at the Davis Ventures Community Center Building located at 33478 US Highway 64 East in Englehard, North Carolina. The asbestos abatement and mold remediation work is intended to be conducted concurrently. The Contractor shall commence work to be performed included in these specifications as notified by the Owner or Owner's Design Firm.

- The contractor shall remove approximately 9,700 square feet of double layer floor tile and mastic from the Main Building. There is asbestos-containing 9" x 9" floor tile and black mastic located under non-asbestos 12" x 12" floor tile, carpet, or linoleum in most areas. The floor tile is located throughout the Main Building Classrooms, Corridors, and Office Area. The contractor is to also remove all vinyl baseboards in the removal areas. All cabinetry, tables, etc. shall be removed to access any floor tile underneath for removal.
- The contractor shall remove all chalkboards and black asbestos-containing chalkboard mastic throughout the Main Building.
- The contractor shall remove approximately 10 linear feet of "air cell" type pipe insulation from the Mechanical Room.

- The contractor shall removal all windows with asbestos-containing glazing and asbestos-containing window frame caulking from the Main Building.
- See mold remediation specifications section following asbestos abatement specifications for mold decontamination scope of work.

Abatement areas are illustrated on Drawing D-01 located in Appendix C. See Technical Specifications and Drawing included in these specifications for additional information.

REMOVAL OF FLOOR TILE and MASTIC

The Contractor has the option of removing the carpet, floor tile, and mastic using non-friable or friable methods.

Non-Friable Method – If the Contractor employs non-friable methods, 4-mil polyethylene shall be placed a minimum of three feet up each wall for protection of the walls during the removal of mastic. The Contractor shall only use approved non-friable methods (e.g., infrared heating). Open flame burning is prohibited. Barrier tape, warning signs, and negative air exhaust will be employed during removal. Operators of infrared heat machines shall be thoroughly trained in the proper use of the equipment. No breaking of the floor tiles is permitted for non-friable removal.

Friable Method – If the Contractor employs friable methods, then the following shall be used: The Contractor shall place two layers of 4-mil polyethylene over all critical barriers, set up a full decontamination unit per these specifications, and place the work area under negative pressure using HEPA negative pressure air filtration units in accordance with Section 01513. One layer of 4-mil polyethylene shall be placed on any non-porous walls in the containment. 4-mil polyethylene shall be placed a minimum of three feet up each wall for protection of the walls during the removal of mastic. Each work area of removal shall be setup as one continuous containment.

The floor tile shall be removed using wet methods, and the mastic will be removed using a low-odor, non-flammable, non-hazardous material approved by the manufacturer for the use of mastic removal. After completion of mastic removal, the Contractor shall use a cleaning solution to neutralize the mastic remover and mop and rinse the floor so that no residue of the mastic remover or mastic may be left on the floor surface. The cleaner shall be compatible with all typical mastics that may be used after the abatement is complete. The cleaner shall meet all requirements of the mastic remover above.

- A. The Contractor shall take all necessary precautions to prevent the spread of the mastic remover from areas outside of the containment. The Contractor will be responsible for all damages to walls and surfaces inside and outside of containment. The Contractor shall be responsible for returning any walls, surfaces, or other items splattered, damaged, or soiled back to original conditions if the Owner so chooses.

- B. The removed floor tiles, contaminated carpeting, and mastic removal byproducts shall be immediately placed in 6-mil polyethylene bags, double bagged, or sealed in 2 layers of polyethylene, and properly labeled. Workers shall remove the asbestos-containing flooring materials under negative pressure. Workers shall use respiratory protection and protective clothing when performing all removal procedures.
- C. The Contractor shall add cat litter, oil-sorb, or other material approved by the Asbestos Designer to the used mastic removal solution, so that no free standing liquid will be left in the waste disposal bags.
- D. The Contractor shall wet wipe and clean all surfaces prior to the final inspection. All areas of regulated (friable) removal will be cleared using air clearance protocol in Section 01704 "Work Area Clearance". The Owner will be responsible for the first clearance. The Contractor shall pay air monitoring fees and TEM sample analysis fees for all additional clearances.

REMOVAL OF PIPE INSULATION

The Contractor shall remove approximately 10 linear feet of asbestos-containing (Air-Cell) Pipe Insulation from the mechanical room of the building. Pipe insulation removal area is designated on Drawings D-01. Removal of the pipe insulation shall be conducted using glove bag methods in accordance with OSHA 29 CFR 1926.1101.

- A. The pipe insulation shall be removed using wet methods.
- B. The removed ACM debris, removal byproducts, and glove bags shall be immediately placed in 6-mil polyethylene bags, double bagged and properly labeled.
- C. The Contractor shall wet wipe and clean all surfaces prior to the final inspection.

REMOVAL OF WINDOW GLAZING and WINDOW FRAME CAULKING

The Contractor shall remove all windows with asbestos-containing glazing from the Main Building. The Contractor shall remove all asbestos-containing window frame caulking from the Main Building. Window removal work shall be conducted in direct coordination with the General Contractor for the project to ensure that the building remains secure and weather tight at all times. The Gym Building is NOT included in this project.

- A. Any asbestos-containing glazing or caulking debris shall be cleaned from the ground below the windows.
- B. The window glazing shall be sealed with spray glue and duct tape prior to removing the windows.

- C. A layer of polyethylene shall be placed on the ground below the removal area to capture any ACM debris that may fall. The components shall be carefully lowered to the ground in a manner not to cause the ACM cloth to become friable. The waste shall be properly labeled and stored in a polyethylene lined disposal container.
- D. The windows with glazing may be removed from the building intact without disturbing the glazing. The Contractor shall immediately wrap the windows in two layers of 6-mil polyethylene and properly label for disposal in an asbestos approved landfill.
- E. The window mounted air conditioners are to be removed and properly disposed of. These units contain refrigerant gas.
- F. The window frame caulking shall be removed using wet methods and hand tools.
- G. If the window glazing or caulking cannot be removed intact, then negative pressure, full containments shall be used.

REMOVAL OF CHALK BOARD MASTIC

The Contractor shall remove all asbestos-containing chalkboard mastic from the Main Building.

- A. A layer of polyethylene shall be placed on the ground below the removal area to capture any ACM debris that may fall.
- B. Chalkboards shall be removed to access mastic. Chalkboards with mastic on them shall be wrapped in two layers of 6-mil polyethylene and properly label for disposal in an asbestos approved landfill.
- C. Mastic on the walls shall be removed using wet methods and hand tools.
- D. If the chalkboard mastic cannot be removed using non-friable methods, then negative pressure, full containments shall be used.

The hazardous materials survey report is attached in Appendix D.

Any measurements or material amounts listed are given as estimates. The contractor is responsible for his/her own measurements and the removal of the asbestos-containing materials indicated in this project.

SECTION 02084

DISPOSAL OF ASBESTOS-CONTAINING WASTE MATERIAL

1.01 GENERAL

- A. All asbestos materials and miscellaneous contaminated debris shall be properly sealed and protected, and the loadout vehicle/dumpster shall be locked, while located on the facility site and then transported to a predesignated disposal site in accordance with 40 CFR 61.150 and DOT 49 CFR Parts 100-399.
- B. An enclosed vehicle will be used to haul waste material to the disposal site. No rental vehicles or trailers shall be used. Vehicle selection, vehicle covers and work practices shall assure that no asbestos becomes airborne during the loading, transport and unloading activity, and that material is placed in the waste site without breaking any seals.
- C. Waste disposal polyethylene bags (6 mil) and containers, non-porous (steel/plastic) drums or equivalent, with labels, appropriate for storing asbestos waste during transportation to the disposal site shall be used. In addition to the OSHA labeling requirements, all containers shall be labeled with the name of the waste generator and the location at which the waste was generated.
- D. The contractor shall transport the containers and bags of waste material to the approved waste disposal site. The sealed plastic bags shall be placed into the burial site unless the bags have been broken or damaged. Upon the landfill's approval, damaged bags shall be left in the non-porous containers and the entire contaminated package shall be buried. Uncontaminated containers may be reused.
- E. Workers loading and unloading the asbestos will wear respirators and disposable clothing when handling material. Asbestos warning signs shall be posted during loading and unloading of asbestos waste.
- F. The contractor shall use the HHCU's Waste Shipment Record for disposal records as per 40 CFR 61.150 and distribute a copy of all waste shipment records to the designer after the completion of the project.

END OF ASBESTOS ABATEMENT SPECIFICATIONS

MOLD REMEDIATION TECHNICAL SPECIFICATIONS

1.1 GENERAL

A. Project Description:

This project is for the remediation of mold from the Davis Ventures Community Center Building located at 33478 US Highway 264 East in Engelhard, North Carolina. Work includes removal and disposal of all porous components and items throughout the Main Building. This includes, but is not limited to: trash, ceiling tiles, lighting, fiberglass batt insulation, HVAC units and ducting, carpet, ceiling and roofing debris, trash, fabric furniture, clothing, and other fabric items. The remaining plaster ceiling, wood wall paneling, and pipe insulation in the locker rooms are to be removed and disposed of. The corridor ceiling and fiberglass insulation are to be removed and disposed of. All remaining surfaces in the building are to be cleaned, sanitized, and treated with an antifungal sealer. Visible mold growth is located on surfaces throughout the Main Building. The mold growth has occurred due to damaged roofing, moisture intrusion, and elevated indoor humidity. This work should only be conducted following roofing repairs. The asbestos abatement and mold remediation work is intended to be conducted concurrently.

The contractor shall comply with these remediation specifications and any applicable US EPA, OSHA, North Carolina, and local regulations, guidelines, and/or rules which govern the handling and disposal of mold materials. The most stringent regulations and/or guidelines of the agencies shall be followed. All wood components in the attic space were visually identified to be contaminated with mold and are to be cleaned, sanitized, and treated. The purpose of the mold remediation is to return the building back to Condition 1, as defined by the Institute of Inspection Cleaning and Restoration Certification (IICRC) Standard for Professional Mold Remediation S520.

Any measurements or material amounts listed are given as estimates. The contractor is responsible for his/her own measurements for the remediation of the mold contaminated materials indicated in this project.

It is the responsibility of the Contractor to maintain materials inside of the designated work areas. Any other areas, systems, or materials contaminated by the Contractor will be cleaned by the Contractor at no additional cost to the Owner. The Contractor shall be responsible for the security of the work areas and will take all necessary precautions to prevent unauthorized persons from entering the work area. The Contractor shall also be responsible for ensuring health, safety, and environment protection at the jobsite.

No removal of materials or cleaning is allowed without proper engineering controls in place.

The Contractor shall use Ground Fault Circuit Interrupters (GFCI) on all electrical equipment used for the project.

The Contractor shall take all necessary measures to prevent damage of the interior surfaces inside and outside the work area. The Contractor shall be responsible for any and all damages inside or outside the work area caused by the mold remediation operations including water damage, contamination, construction of the containment, or any other activity.

B. Pre-work Conference

A pre-bid conference will be held only for the General Contract. All contractors submitting a bid are encouraged to attend, visit the site and ask questions concerning the plans and specifications. The designer will review the plans and specifications, present required techniques and safeguards for the removal of the asbestos and identify locations of water, electrical sources, etc. Any minutes, new points or clarifications raised during the meeting will be issued by the designer in an addendum prior to bids.

C. Submittals

The following is a list of the submittals required for completion of the project. The Contractor must submit at least two copies of all submittals required to the Designer for Review.

PREWORK SUBMITTALS:

- 1) Plan of Action (See Below)
- 2) Superintendent "Competent Person" Credentials
- 3) List of Personnel to be involved with the work including Training Certifications
- 4) Contingency Plans
- 5) Emergency Services and Telephone Numbers
- 6) Notification of other site entities
- 7) Permits, Licenses, and Certificates (including worker training)
- 8) Company's Employee Hazard Communication Program
- 9) Documentation of Medical Examinations, Physician's Approval to wear respiratory protection for each worker, and most recent fit test documentation
- 10) Certification of Worker Acknowledgement
- 11) Federal, State, and Local Agency Notification
- 12) Company's Respiratory Protection Program
- 13) MSDS for all chemicals used (Antimicrobials)

POSTWORK SUBMITTALS

- 1) Waste Disposal Tickets
- 2) Reports of Any Unusual Events
- 3) Reports of Accidents
- 4) Daily Log
- 5) List of All Workers Used in the Performance of the Project

PLAN OF ACTION: Submit a detailed plan of the procedures for use in complying with the requirements of this specification. Include applicable information in the plan, including HVAC and electrical shutdown procedures, the location and layout of decontamination areas, the sequencing of remediation work, the interface of trades involved in the performance of work, methods to be used to assure the safety of building occupants and visitors to the site, waste disposal plan including transport routes for waste containers, and a detailed description of the methods to be employed to control pollution. Expand upon the use of portable HEPA ventilation system, closing out of the building's HVAC system, method of removal to prohibit visible emissions in work area, and packaging of removed mold debris. Address the use of negative pressure systems and indicate the compliance with patents issued on negative pressure enclosures. Also include work and removal schedules. The plan must be approved by the Owner's Representative prior to commencement of work.

D. Quality Assurance

- 1) The Contractor shall conform to all Federal, State, and Local regulations, guidelines, and rules governing the handling and disposal of mold materials.

References:

- a) American Conference of Governmental Industrial Hygienists (ACGIH), Bioaerosols; Assessment and Control. 1999.
- b) EPA, Mold Remediation Guidelines in Schools and Commercial Buildings, US Environmental Protection Agency, Office of Air and Radiation, Indoor Environments Division, 2001.
- c) Institute of Inspection, Cleaning and Restoration Certification, IICRC S500, Standard and Reference Guide for Professional Water Damage Restoration, 2006
- d) Institute of Inspection, Cleaning and Restoration Certification, IICRC S520, Standard and Reference Guide for Professional Mold Remediation, December 2008
- e) National Air Duct Cleaners Association (NADCA), Assessment, Cleaning, and Restoration of HVAC Systems (ACR 2006), March 2006.
- f) New York City Department of Health, Guidelines on assessment of fungi in indoor environments, Bureau of Environmental and Occupational Disease Epidemiology, New York, NY, 2008.
- g) Occupational Safety and Health Administration (OSHA) Respiratory Protection Standard. 29 CFR 1910.134
- h) OSHA Fall Protection, 29 CFR 1926.1060.

- i) OSHA Lockout Tag-Out, 29 CFR 1926.417 and 1926.702.

E. Definitions

Actual Growth: molds that have colonized a substrate, formed fungal mycelia, growth structures and spores; are active or dormant; visible or hidden.

Air Filtration Device (AFD): depending on the mode of use, an AFD that filters (usually a HEPA) and recirculates air is referred to as an air scrubber. One that filters air and creates negative pressure is referred to as a negative air machine.

Airlock: a system for permitting ingress or egress without permitting air movement from a contaminated area to an uncontaminated area.

Assessment: a process performed by an indoor environmental professional that includes the evaluation of data obtained from a building history and inspection to formulate an initial hypothesis about the origin, identity, location and extent of amplification of mold contamination. If necessary, a sampling plan is developed, and samples are collected and sent to a qualified laboratory for analysis. The subsequent data is interpreted by the indoor environmental professional who may then develop a remediation plan.

Authorized Visitor: The Owner's representative, the Consultant, or a representative of a regulatory or other agency having jurisdiction over the project who has entered their name into the Contractor's Daily Log.

Disposal Bag: 6-mil thick leak-tight plastic bags used for transporting mold contaminated waste from work and to disposal site.

Condition 1 (normal fungal ecology): an indoor environment that may have settled spores, fungal fragments or traces of actual growth whose identity, location and quantity are reflective of a normal fungal ecology for a similar indoor environment.

Condition 2 (settled spores): an indoor environment which is primarily contaminated with settled spores that were dispersed directly or indirectly from a Condition 3 area, and which may have traces of actual growth.

Condition 3 (actual growth): an indoor environment contaminated with the presence of actual growth and associated spores. Actual growth includes growth that is active or dormant, visible or hidden.

Containment: a precaution used to minimize cross-contamination from affected to unaffected areas by traffic, material handling or airborne distribution. Containment normally constitutes of 6-mil polyethylene sheeting, often in combination with negative air pressure, to prevent cross-contamination.

Contaminated: the presence of indoor mold growth and/or mold spores, whose identity, location and quantity are not reflective of a normal fungal ecology for similar indoor environments, and which may produce adverse health effects, cause damage to materials and/or adversely affect the operation or function of building systems.

Critical Barrier: one or more layers of plastic sealed over all openings into a work area or any other similarly placed physical barrier sufficient to prevent mold spores from migrating to an adjacent area.

Cross-Contamination: the spread of contaminants from an affected area to an unaffected area.

Curtained Doorway: a constructed device to allow ingress or egress from one room to another while permitting minimal air movement between the rooms.

Engineering Controls: the utilization of methods, equipment or containment in such a manner that they limit the exposure of remediation workers and occupants to contaminants and prevent the introduction of contaminants to surrounding uncontaminated areas and contents.

Fungi: one of the five kingdoms into which living things are categorized. Fungi have distinct nuclei and include a variety of types, such as molds, mildews, yeast and mushrooms. Fungi range in size generally from 2 to 20 microns and are ubiquitous in soils, water and air.

High Efficiency Particulate Air (HEPA) Filter: Means a type of filtering system capable of filtering out particles of 0.3 microns or greater diameter from a body of air at 99.97% efficiency or greater.

HEPA Filter Vacuum: High efficiency particulate air (absolute) filtered vacuum collection equipment with a filter system capable of collection and retaining asbestos fibers. Filters should be of 99.9% efficiency for retaining fibers of 0.3 microns or larger.

HVAC: an acronym for “heating, ventilation and air-conditioning”

Negative Air Machine: see Air Filtration Device

Personal Protective Equipment (PPE): safety items designed to prevent exposure to potential hazards. Examples include: respirators, gloves, goggles, protective clothing and boots.

Post-remediation Verification: an inspection and assessment performed by an indoor environmental professional after a remediation project, which may include visual, olfactory and/or sampling methodologies to verify that the building, system or contents have been returned to a Condition 1 status.

F. Contractor Qualifications

A. Training. The Contractor's supervisor of the work crew must have attended a recognized training program by the Indoor Air Quality Association (IAQA), the Institute of Inspection Cleaning and Restoration Certification (IICRC), or similar non-profit organization. Proficiency should be demonstrated by an industry certification such as one from the American Indoor Air Quality Council (AmIAQC). The work crew supervisor must be experienced in administration and supervision of mold remediation projects including work practices, protective measures for building and personnel, disposal procedures, etc. This person is the "Competent Person" as required by OSHA in 29 CFR 1926.1101 for the Contractor and is the Contractor's representative responsible for compliance with all applicable federal, state and local regulations, particularly those relating to mold remediation. This person must have had a minimum of two (2) years on-the-job training and meet any additional requirements set forth in 29 CFR 1926 for a Competent Person.

The supervisor shall remain on-site at all times workers are conducting remediation.

- 1) Previous Experience. The Contractor must demonstrate substantial experience with similar projects and provide references. (a) all workers will be fit tested prior to starting the project (follow company fit test program). (b) follow all applicable OSHA safety and health programs.
- 2) Demonstrated Ability of Workers. The Remediation Contractor must demonstrate that it has (or will have) a sufficient number of remediation workers who have successfully completed in-house training regarding mold.
- 3) Insurance. The Remediation Contractor must demonstrate that it has sufficient coverage to meet owner's requirement.
- 4) The Contractor shall secure, pay for, and maintain in full force and effect until no longer necessary, all necessary licenses, permits, and permissions required by federal and state law, city ordinance, statute, or regulations.
- 5) The Contractor acknowledges that he has acquainted himself with all conditions that may affect the work as would be evident from a thorough investigation of the job site and these specifications covering the work.
- 6) It shall be the responsibility of all Contractors and Subcontractors to carefully examine all specifications pertaining to all phases of the construction in order that the Contractor and Subcontractors may foresee all requirements for coordination of their work. Claims based on unforeseen requirements will not be considered.
- 7) Should any error or inconsistency appear in the Specifications, the Contractor, before proceeding with the work, must make mention of the same to the project coordinator for proper adjustment, and in no case proceed with work in uncertainty.

G. Worker Training

Any worker conducting activities, e.g. (prep, cleanup, disposal for the purpose of removing or disturbing mold contaminated items or dust) must have successfully completed training in mold remediation health and safety training. The Contractor will provide training to all of the Contractor's employees who will work on the job. The training shall meet or exceed all applicable OSHA Construction Standards, and other applicable Federal, State, and Local standards and documentation of all training shall be available for review. All education and training should, at a minimum, include information on the following topics:

- Hazard communication training.
- Possible routes of exposure to mold.
- The known health effects associated with mold exposure.
- The importance of good personal hygiene.
- The specific methods of remediation to be used.
- The proper use and maintenance of protective clothing and equipment including respiratory protection equipment.
- Safety and Emergency Egress Procedures
- Fall Protections
- The correct use of engineering controls and implementation of good work practices.
- The proper use of chemical agents to be used during the remediation work.

H. Person Protective Equipment (PPE)

Workers performing mold remediation shall wear full-body protection including TYVEK or similar type disposable suit with hoods and booties, gloves, and eye protection. Full-body protection will be worn inside the work area at ALL times. NIOSH approved Half-face negative pressure air-purifying respirator with replaceable HEPA filters shall be required at a minimum. The contractor shall supply a sufficient quantity of HEPA respirator filters so that filter changes can be made as necessary during the project. Exposure to mold spores and fiberglass insulation is pertinent to this project. The contractor assumes responsibility for compliance with ALL PPE requirements including OSHA's Respiratory Protection Standard 29 CFR 1910.134. The Contractor shall ensure that all personnel who enter the work area wear all required PPE at all times.

I. Personal Hygiene Practice

The Contractor shall enforce and follow good personal hygiene practices during mold remediation work. These practices will include, but not limited to the following:

- 1) No eating, drinking, smoking, or applying of cosmetics inside of the work area. The Remediation Contractor will provide a clean space, separated from the work area for these activities.

- 2) All workers must wash hands and face upon leaving the work area. A lavatory wash facility in accordance with 29 CFR 1910.52 shall be provided by the Contractor outside, but in the immediate area of the work being conducted. This wash facility will consist of, at least, hot and cold running potable water and dry towels.
- 3) Disposable clothing, such as TYVEK suits, and other personal protective equipment (PPE) must be provided prior to entering the work area. A clean room shall be provided for workers to put on suits and other personal protective equipment and to store street clothes. Disposable clothes shall be used once, then properly discarded. The Contractor shall establish and train workers in work area entry and exit procedures as well as equipment and waste decontamination procedures prior to starting remediation activities. The procedures shall be established so as not to contaminate surrounding areas.

J. Record Keeping

Daily Log: Maintain at the jobsite a daily log documenting the dates and time of but not limited to, the following items:

- Dates and times of the project with brief description of daily work activities
- Meetings; purpose, attendees, discussion (brief)
- Visitations; authorized and unauthorized
- Personnel, by name, entering and leaving the work area
- Special or unusual events, i.e. Barrier breaching, Equipment failures

K. Reporting Accidents

Prepare and submit reports of significant accidents, at site and anywhere else work is in progress. Record and document data and actions; comply with industry standards. For this purpose, a significant accident is defined to include events where personal injury is sustained, or property loss of substance is sustained, or where the event posed a significant threat of loss or personal injury.

L. Emissions and Exposure Controls

The criteria for assessing the adequacy of the controls over particulate emissions and employee exposure shall be as follows:

- 1) Visible emissions shall be kept to a minimum at any time work is being performed. Criteria used for the assessment will be a visual inspection without the use of instruments. Visible emissions shall be used as a criteria for project shut down until corrections to the containment and/or remediation activities are made.
- 2) The Contractor shall use controlled removal methods described in this specification to eliminate

environmental emissions. If visible emissions occur while removing contaminated items, the Contractor shall stop work until more controlled removal methods are conducted.

If the Owner, the Owner's Representative, or the Project Administrator presents a written stop work order immediately and automatically stop all work. Do not recommence work until authorized in writing by Owner's Representative.

M. Contractor Use of Premises

The Contractor shall limit his use of the premises to the work indicated. Confine operations at the site to the areas permitted under the Contract. Portions of the site beyond areas on which work is indicated are not to be disturbed. Conform to site rules and regulations affecting the work while engaged in project construction.

Keep existing driveways and entrances serving the premises clear and available to the Owner and his employees at all times. Do not use these areas for parking or storage of materials.

Do not unreasonably encumber the site with materials or equipment. Confine stockpiling of materials and location of storage sheds to the areas indicated. If additional storage is necessary, obtain and pay for such storage off site.

Lock automotive type vehicles, such as passenger cars and trucks and other mechanized or motorized construction equipment, when parked and unattended, so as to prevent unauthorized use. Do not leave such vehicles or equipment unattended with the motor running or the ignition key in place or accessible to unauthorized persons.

Maintain existing building in a safe and weather tight condition throughout the construction period. Repair damage caused by construction operations. Take all precautions necessary to protect the building and its occupants during the construction period. Keep public areas such as hallways, stairs, elevator lobbies and toilet rooms free from accumulation of waste, rubbish or construction debris. Smoking or open fires will not be permitted within the building enclosure or on the premises.

N. Temporary Utilities

General:

- a) Use qualified tradesmen for installation of temporary services and facilities. Electricians, plumbers, and other tradesmen shall have all required licenses and permits in force at the time of the work performed. Locate temporary services and facilities where they will serve the entire project adequately and result in minimum interference with the performance of the work.

- b) Relocate, modify and extend services and facilities as required during the course of work so as to accommodate the entire work of the project.
- c) Provide temporary connection to existing building utilities or provide temporary facilities as required herein or as necessary to carry out the work.
- d) Provide new or used materials and equipment that are undamaged and in serviceable condition. Provide only materials and equipment that are recognized as being suitable for the intended use, by compliance with appropriate standards.

Scaffolding: Provide all scaffolding, ladders and/or staging, etc. as necessary to accomplish the work of this contract. Scaffolding may be of suspension type; or standing type such as metal tube and coupler, tubular welded frame, pole or outrigger type or cantilever type. The type, erection and use of all scaffolding shall comply with all applicable OSHA provisions. Equip rungs of all metal ladders, etc. with an abrasive non-slip surface. Provide as nonskid surface on all scaffold surfaces subject to foot traffic.

Temporary Water Service Connection: Utilize domestic water service, if available, from Owner's existing system. Provide hot water heaters with sufficient capacity to meet project demands. All connections to the Owner's water system shall include backflow protection. Valves shall be temperature and pressure rated for operation of the temperatures and pressures encountered. After completion of use, connections and fittings shall be removed without damage or alteration to existing water piping and equipment. Leaking or dripping valves shall be piped to the nearest drain or located over an existing sink or grade where water will not damage existing finishes or equipment.

Water Hoses: Employ heavy-duty abrasion-resistant hoses with a pressure rating greater than the maximum pressure of the water distribution system to provide water into each work area and to each Decontamination Unit. Provide fittings as required to allow for connection to existing wall hydrants or spouts, as well as temporary water heating equipment, branch piping, showers, shut-off nozzles and equipment.

Temporary Power: Shut down and lock out/tag out all electrical power inside the work area. Provide temporary 120-240 volt, single phase, three wire, 100 amp electrical service with Ground Fault Circuit interrupters (GFCI) for all electrical requirements with the Work Area. Obtain power from the Owner's system from outside of the work area where available. Provide temporary wiring and "weatherproof" receptacles in sufficient quantity and locations to service all equipment needed for the project.

Power Cords: Use only grounded extension cords; use "hard-service" cords where exposed to abrasion and traffic. Use single lengths or use waterproof connectors to connect separate lengths of electric cords, if single lengths will not reach areas of work.

Temporary Lighting: Install temporary lighting adequate to provide sufficient illumination for safe work and traffic conditions in every area of work. Provide the

following where natural lighting or existing building lighting does not meet the required light level:

One 200-watt incandescent lamp per 1000 square feet of floor area, uniformly distributed, for general construction lighting, or equivalent illumination of a similar nature. In corridors and similar traffic areas provide one 100-watt incandescent lamp every 50 feet. In stairways and at ladder runs, provide lamp minimum per story, located to illuminate each landing and flight. Provide sufficient temporary lighting to ensure proper workmanship everywhere; by combined use of daylight, general lighting, and portable plug-in task lighting.

O. Publicity

Any use of the descriptions of the work performed or photographs taken of the work or job site, must be approved in writing by the Owner before release.

P. Waste Disposal

The Contractor will be responsible for the handling and disposal of all waste and contaminated materials in accordance with all state, local and federal regulations and requirements. At a minimum, all waste shall be placed in 6-mil polyethylene disposal bags and placed in a secure dumpster or truck to be disposed of in a landfill. The Contractor shall seal all waste and cleaning items in polyethylene disposal bags prior to removing from the work area. The waste shall be secured from the public at all times. All waste shall be removed from the area at the end of each work shift. Take bags from the work area directly to a sealed truck or dumpster.

Q. Material Safety Data Sheets (MSDS)

The Contractor shall provide the Owner and all other parties using the job site, a material safety data sheet (MSDS) for all chemicals used by the Contractor. This MSDS shall be provided before work begins.

R. Fire Extinguishers

Comply with the applicable recommendations of NFPA Standards 10 "Standard for Portable Fire Extinguishers". Locate fire extinguishers where they are most convenient and effective for their intended purpose, but provide not less than one extinguisher inside of each Work Area and one outside the Work Area. Provide type "ABC" dry chemical extinguishers, or a combination of several extinguishers of NFPA recommended types for the exposures in each case.

1.2 EXECUTION

SCOPE OF WORK:

This project is for the remediation of mold from the Davis Ventures Community Center Building located at 33478 US Highway 264 East in Engelhard, North Carolina.

- 1) The contractor shall removal and dispose of all porous components and items throughout the Main Building. This includes, but is not limited to: trash, ceiling tiles and grid, HVAC units and ducting, carpet, ceiling and roofing debris, trash, fabric furniture, clothing, and other fabric items. The HVAC units and ducting located in the attic space above the corridor ceiling are to be removed and properly disposed of. The corridor ceiling is to be removed and disposed of. The window mounted air conditioning units are to be removed and disposed of during the asbestos window abatement. Any cleanable items that the Owner designates to keep shall be cleaned, sanitized, and given to the Owner for storage. See drawing **M-01** in **Appendix D** for areas included in the mold remediation scope of work. All light bulbs, lighting ballasts, and equipment containing refrigerant gases shall be disposed of properly according to all federal, state, and local regulations.

 - All remaining surfaces in the building are to be cleaned, sanitized, and treated with an antifungal sealer.

Visible mold growth is located on surfaces throughout the Main Building. The mold growth has occurred due to damaged roofing, moisture intrusion, and elevated indoor humidity. This work should only be conducted following roofing repairs. This work is to be conducted concurrently with the asbestos abatement.

The contractor shall comply with these remediation specifications and any applicable US EPA, OSHA, North Carolina, and local regulations, guidelines, and/or rules which govern the handling and disposal of mold materials. The most stringent regulations and/or guidelines of the agencies shall be followed. The pipe insulation in the basement mechanical room was visually identified to be contaminated with mold and is to be completely removed. All surfaces in the basement mechanical room are to be cleaned and sanitized. The purpose of the mold remediation is to return the basement mechanical room space back to Condition 1, as defined by the Institute of Inspection Cleaning and Restoration Certification (IICRC) Standard for Professional Mold Remediation S520.

Any measurements or material amounts listed are given as estimates. The contractor is responsible for his/her own measurements for the remediation of the mold contaminated materials indicated in this project.

The contractor should perform the mold remediation using the following steps. (To be followed in sequence)

A. Preparation of Work Area

- 1) The Contractor shall post warning signs at all entrances or openings to the work areas.
- 2) The Contractor must be careful to not disturb fungal contaminated materials during work area isolation. Pre-cleaning of the work area in order to install work area isolation will be completed as necessary.
- 3) The work area shall be placed under negative pressure prior to the remediation of mold. Air filtration devices (AFD) equipped with High Efficiency Particulate Air (HEPA) filtration shall be used to obtain negative pressure inside of the work area. The AFD's shall filter a minimum of four (4) air changes per hour. The AFD's shall be vented to the exterior of the building a minimum of 50 feet from building entryways and air intake systems. Negative pressure shall be maintained throughout the remediation process until acceptable post mold remediation verification is obtained. A manometer with audio alarm shall be used to provide continuous reading of negative pressure within the work area. Air filtration devices may be allowed to operate in scrub mode after gross removal of mold contaminated items and prior to clearance verification.
- 4) Isolate the work areas by placing critical barriers over all vents and room openings including entryways, voids, etc. Critical barriers shall consist of at a minimum 1-layer of 6-mil polyethylene sheeting and shall be completely sealed with tape so as to remain for the duration of the project. Entrance and exit from the work area will have triple barriers of polyethylene plastic sheeting so that the work area is always closed off by one barrier when workers enter or exit. It is recommended that an "air lock" be installed as the means of entrance and exit from the work area where decontamination of workers, waste bags, and equipment occur before exiting the work area. All polyethylene used on the project shall be 6 mil in size and fire retardant to comply with NFPA 701 as listed by UL. Any tape and spray adhesive residues leftover from the containment setup on surfaces following remediation shall be cleaned by the contractor.

B. Material Removal Procedures

- 2) Perform removal of items to be disposed of using controlled methods. Wet the items prior to disturbance to reduce the spread of airborne mold spores. This will reduce particle emissions into the air. Accomplish wetting by a fine spray (mist) of water. Do not allow material to dry out prior to placing in disposal bags. As it is removed, simultaneously pack material while still wet into proper 6-mil disposal bags. Twist neck of bags, bend over, and seal with minimum of three wraps of duct tape. The bags shall be cleaned prior to removing from the work area and prior to placement in dumpster or truck. All waste that is generated will be transported off the facility and disposed of in a landfill. All light bulbs, lighting ballasts, and equipment containing refrigerant gases shall be disposed of properly according to all federal, state, and local regulations.

C. Cleaning and Sealing

- 1) After all gross removal of items to be disposed of is completed, perform cleanup, sanitation, and treatment of all remaining surfaces in the building.
- 2) HEPA vacuum and wet scrub with disinfectant or biocide antimicrobial agent all remaining surfaces in the building. Visible dust and debris shall be removed. The Anti-microbial/Biocide agents used or other cleaning processes such as media blasting techniques shall be submitted to the Designer for approval prior to its use or application. The contractor shall clean all visible dust and debris from floors and other surfaces believed to be contaminated with mold spores by HEPA vacuuming and wet wiping. After cleaning, all remaining surfaces should be thoroughly treated with the clear sealant to help prevent future mold growth. All antimicrobial agents and sealing agents used during mold remediation shall be EPA registered for the intended use.

D. Removal of Containment and Critical Barriers

- 1) Removal of HEPA air filtration equipment, containment, and critical barriers shall only be performed once acceptable clearance verification is obtained from the Owner's representative.

1.3 CRITERIA FOR FINAL INSPECTION AND WORK AREA CLEARANCE:

The Designer and/or Owner's Representative shall perform a post mold remediation final inspection of the work area. An inspection and assessment shall be performed by an Indoor Environmental Professional (IEP) after remediation is complete. The work area isolation shall remain in place until clearance is deemed acceptable by the Owner's IEP. The verification shall include a visual inspection to verify that the space has been returned to a Condition 1 status. The Contractor shall coordinate the post remediation inspection with the Owner's representative and shall give the Owner's post remediation verification representative a minimum of **48 hours notice**.

- a) There shall be no visible mold growth on remaining surfaces in the Main Building.
- b) There shall be no visible dust or debris left on surfaces including the floors in the Main Building.

The Contractor shall re-clean at his/her expense if the post remediation visual inspection does not meet clearance criteria. The Contractor shall re-clean the work area until post remediation verification criteria is met. The Owner shall pay for the first clearance and the Contractor shall pay for each additional clearance using the Owner's hired firm and rate.

END OF MOLD REMEDIATION SPECIFICATIONS

APPENDICES

APPENDIX A

PREWORK ASBESTOS INSPECTION CHECKLIST

APPENDIX A

PREWORK ASBESTOS INSPECTION CHECKLIST

Name of State Facility: _____

Project Name: _____

Project ID Number: _____

Date of Inspection: _____ Pass: _____ Fail: _____

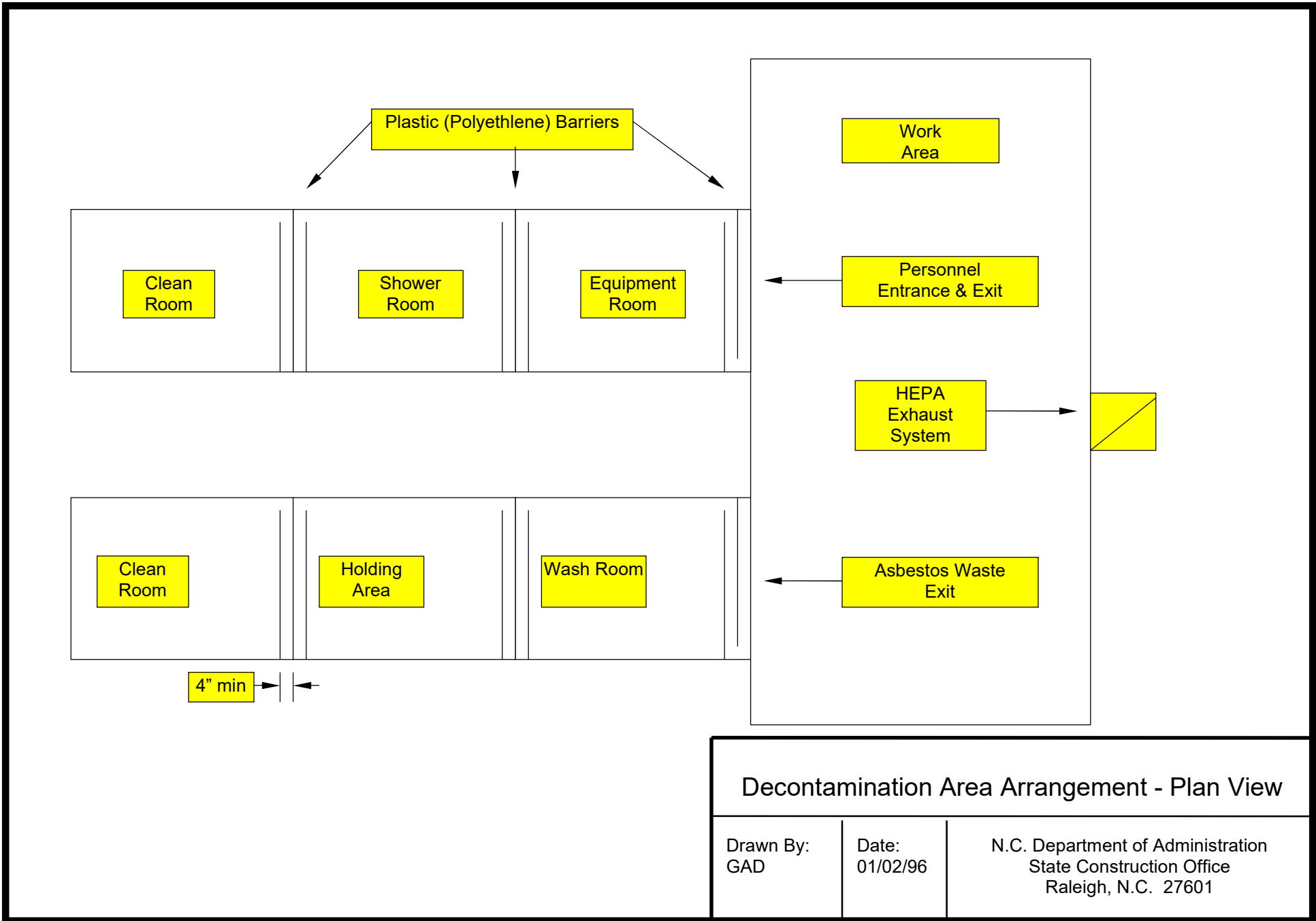
I. DOCUMENTS	YES	NO
A. Asbestos Removal Permit/NESHAP Notification	_____	_____
B. Accreditation Documents for Workers & Supervisors	_____	_____
C. Asbestos Plans and Specifications	_____	_____
D. Air Monitoring Data	_____	_____
E. Waste Shipment Records	_____	_____
F. Sign-in Sheets and Bound Book for Comments	_____	_____
G. Calibration Record for Grade "D" Air	_____	_____
H. Items listed in Section 01043 of Specification	_____	_____
II. PPE SUPPLIES		
A. Tyvek Clothing	_____	_____
B. Rubber Boots	_____	_____
C. Respirators with HEPA Filters	_____	_____
III. CLEAN ROOM		
A. Entry Curtains	_____	_____
B. Emergency Phone Numbers Posted	_____	_____
C. First Aid Kit	_____	_____
D. Asbestos Signs	_____	_____
E. Decontamination Procedures Posted	_____	_____
F. Fire Extinguisher	_____	_____
IV. SHOWER ROOM		
A. Polyethylene Curtains	_____	_____
B. Hot/Cold Water & Operational	_____	_____

	C. Soap & Towels	_____	_____
	D. Waste Water Filter Pump Operational	_____	_____
	E. Extra Five-Micron Size Filters	_____	_____
	F. Filtered Waste Water to Sanitary Sewer	_____	_____
V.	WORK AREA	YES	NO
	A. Removable Items Out of Area	_____	_____
	B. Non-removable Items Protected	_____	_____
	C. Critical Barriers Installed	_____	_____
	D. Polyethylene Curtains	_____	_____
	E. Polyethylene on Walls/Floors as Specified	_____	_____
	F. HVAC off	_____	_____
	G. Air Filtration Devices in Place and Operational	_____	_____
	H. Air Exhausted to Outside	_____	_____
	I. Electricity Locked and Tagged Out	_____	_____
	J. Temporary Power Installed with GFCI	_____	_____
	K. Fire Extinguishers	_____	_____
	L. Emergency and Fire Exits Marked	_____	_____
	M. Audible Alarms Operational	_____	_____
	N. Toilet Available	_____	_____
VI.	EQUIPMENT		
	A. Safety Equipment	_____	_____
	B. HEPA Vacuums	_____	_____
	C. Waste Disposal Bags	_____	_____
	D. Airless Sprayer with Water Source	_____	_____
	E. Cleaning Equipment	_____	_____
	F. Glove Bags	_____	_____
	G. Emergency Power Generator (if required)	_____	_____
	H. Temporary Lighting	_____	_____
VII.	OTHER		
	A. _____	_____	_____
	B. _____	_____	_____
	C. _____	_____	_____
	D. _____	_____	_____

<i>Asbestos Design Consultant</i>	<i>Date</i>
<i>Asbestos Contractor's Representative</i>	<i>Date</i>

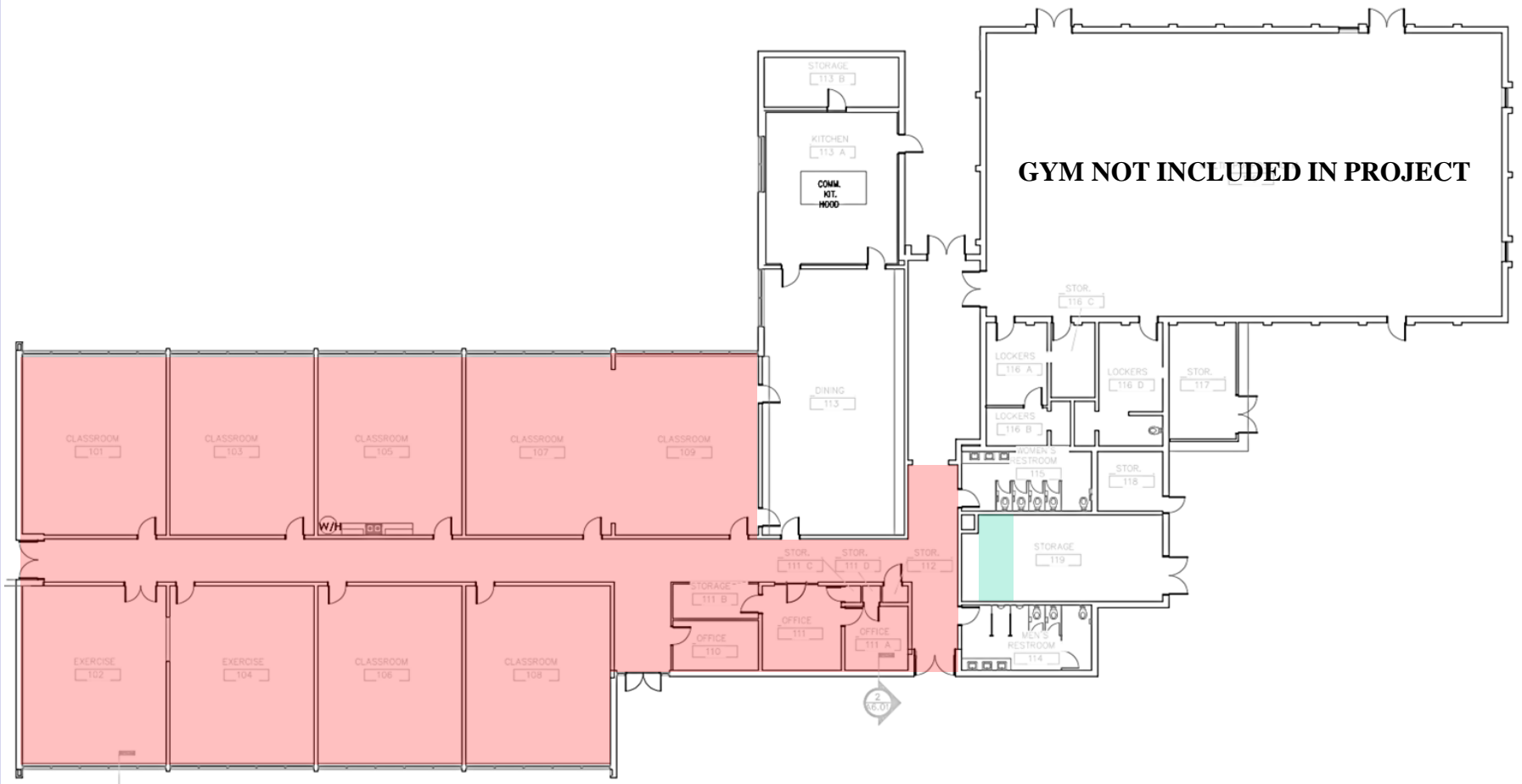
APPENDIX B

DECONTAMINATION AREA ARRANGEMENT



APPENDIX C


ASBESTOS ABATEMENT DRAWING



LEGEND (Note: This Drawing is to be Viewed in Color.)

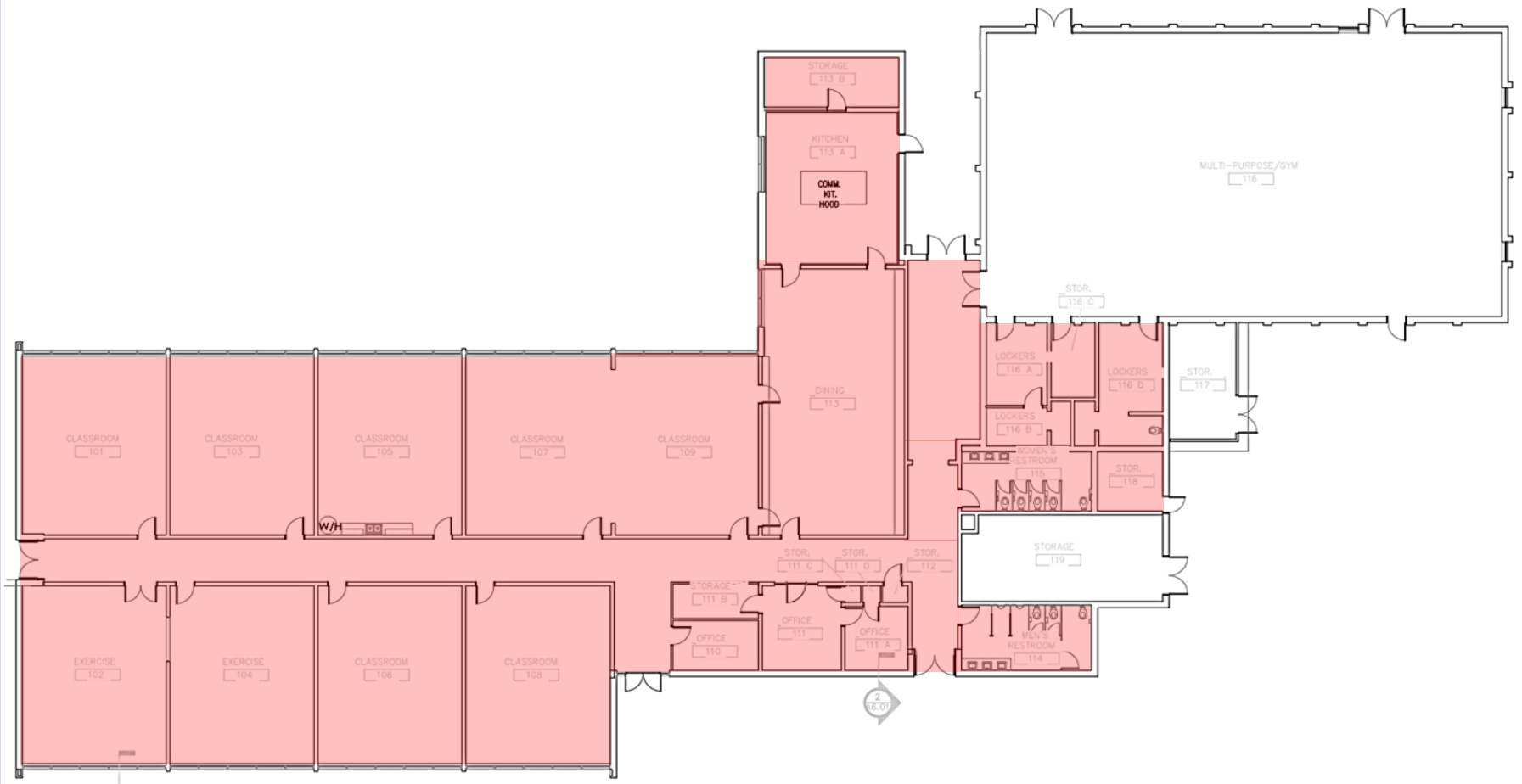
- Represents Area Where Contractor Is To Remove Flooring Materials. There is Asbestos-Containing 9" x 9" Floor Tile and Black Mastic Located Under Non-Asbestos 12" x 12" Floor Tile, Carpet, or Linoleum in Most Areas.
- Represents Area Where Contractor Is To Remove Approximately 10 Linear Feet of Asbestos-Containing (Air-Cell) Pipe Insulation

Contractor Is Also To Remove All Windows With Asbestos-Containing Glazing and Window Frame Caulking From Main Building. The Gym Building Section Is **NOT** Included In This Project. The Contractor is Also To Remove All Chalkboard Mastic From The Main Building.

Asbestos Abatement Locations	
Davis Ventures Community Center	
Engelhard, NC	
Scale: No Scale	Drawing #: D-01
Date: 07/05/2023	
Drawn by: MGC	
AEC #23150	

APPENDIX D

MOLD REMEDIATION DRAWING



LEGEND (Note: This Drawing is to be Viewed in Color.)

 Represents Area Where Contractor Is To Conduct Mold Remediation Activities.

Mold Remediation Locations

Davis Ventures Community Center

Engelhard, NC

Scale: No Scale

Date: 07/05/2023

Drawn by: MGC

AEC #23150

Drawing #: M-01


APPENDIX E

HAZARDOUS MATERIALS

SURVEY REPORT



January 17, 2023

Mr. Albrecht N. McLawhorn, AIA, NCARB
INTREPID Architecture, PA
114 East Third Street
Greenville, NC 27858

**RE: Hazardous Materials Assessment Report
Davis Ventures Community Center
33478 US Highway 64 East
Engelhard, North Carolina
AEC Project #23009**

Mr. McLawhorn:

Affinity Environmental Consulting, LLC performed a hazardous materials assessment for asbestos-containing materials, lead-based paint, and mold at the above referenced site. Please find the final report attached.

Thank you for the opportunity to be of service. If you have any questions or need additional information, please do not hesitate to call.

Sincerely,
Affinity Environmental Consulting, LLC

A handwritten signature in black ink, appearing to read 'Mike Cook', is written over a light blue horizontal line.

Mike Cook, CIEC
Principal

Attachment



HAZARDOUS MATERIALS
ASSESSMENT REPORT
for
Davis Ventures Community Center
33478 US Highway 64 East
Engelhard, North Carolina

AEC Project #23009

Prepared For:
INTREPID Architecture, PA
114 East Third Street
Greenville, NC 27858

Prepared By:
Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Report Prepared: January 17, 2023

Asbestos Inspector: Mike Cook, NC Accreditation #12016

Lead Inspector: Mike Cook, NC Accreditation #120218

Mold Inspector: Mike Cook, CIEC #0909002

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 - 1.4 Sample Analysis
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 - 1.6 Recommendations & Requirements

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 - 2.1 Summary
 - 2.2 Disclaimer
 - 2.3 Results
 - 2.4 Recommendations & Requirements

- 3.0 Mold and Moisture Survey
 - 3.1 Summary
 - 3.2 Project Description
 - 3.3 Mold Surface Sampling
 - 3.3 Conclusions
 - 3.4 Recommendations
 - 3.5 Conditional Statement

APPENDICES

- APPENDIX A - Asbestos Inspection Homogeneous Areas & Results
- APPENDIX B - Asbestos Bulk Sampling Location Drawing
- APPENDIX C - Asbestos PLM Bulk Sample Laboratory Results
- APPENDIX D - Lead Survey XRF Results
- APPENDIX E - Mold Surface Sampling Laboratory Analysis Data
- APPENDIX F - Photographs

1.0 Asbestos Inspection

1.1 SUMMARY: On January 12th, 2023, Affinity Environmental Consulting, LLC (AEC) performed an asbestos inspection of the Davis Ventures Community Center located at 33478 US Highway 64 East in Engelhard, North Carolina. AEC was retained by INTREPID Architecture, PA to perform the inspection prior to renovation of the building. Bulk samples of suspect asbestos-containing materials (ACM) were collected and analyzed using Polarized Light Microscopy (PLM).

1.2 BUILDING DESCRIPTION: The Davis Ventures Community Center is a single-story brick and concrete block structure. The building was originally a school. The building has water damaged roofing in the cafeteria and adjacent gym corridor. Ceilings consist of suspended ceilings throughout the classrooms, cafeteria, and restrooms, drywall in the corridors, and plaster in the locker rooms. There is a wood ceiling deck above the suspended ceiling throughout the main building. Walls consist of concrete block and brick throughout the classrooms, office area, gym, locker rooms, and restrooms. There is drywall in the dining room. Flooring consists of vinyl flooring and carpet throughout the main building classrooms, corridors, cafeteria, and office area. There is ceramic tile in the restrooms. There is hardwood in the Gym. There is mud pipe fitting insulation in the locker rooms and mechanical room. There is a 10 linear foot section of air-cell straight run pipe insulation in the mechanical room. HVAC ducts located above the drywall ceiling in the corridor of the main building are insulated with fiberglass insulation.

1.3 SAMPLE COLLECTION: The bulk sampling was conducted in order to fulfill requirements as set forth in EPA's National Emissions Standards for Hazardous Air Pollutants (NESHAPS) asbestos regulation, 40 CFR, Part 61, Subpart M which requires an asbestos evaluation of buildings scheduled for renovation or demolition. Bulk samples were collected of suspect asbestos-containing materials (ACM) in general accordance with sampling protocols established in US EPA Regulation 40 CFR Part 763 Asbestos Hazard Emergency Response Act (AHERA).

Suspect materials are divided into homogeneous areas for sampling. A homogeneous area is described as a section of material with the same color, texture, age, composition, and other characteristics that indicate a continuity of the material. The bulk samples were taken of non-friable and friable (material, which can be crumbled or reduced to powder by hand pressure). The suspected ACM samples were taken from Thermal Systems Insulation (TSI), Surfacing Materials (SURF), and Miscellaneous Materials (MISC). Attached in **Appendix A** are descriptions of all homogenous areas identified and an estimate of quantity of asbestos, location, and type of asbestos in each homogeneous area. **All quantities are estimates and should be field verified for all other uses.** If no asbestos was detected in a sample, it is indicated as None Detected.

1.4 SAMPLE ANALYSIS: The samples were shipped via FedEx to SAI, an NVLAP accredited laboratory, in Greensboro, North Carolina for PLM analysis. PLM is the EPA approved method for analyzing bulk samples for asbestos. This method utilizes a light microscope equipped with polarizing filters. The identification of asbestos fibers is determined by the visual properties displayed when the sample is treated with various dispersion staining liquids. The actual structure of the fiber and the effect of polarized light on the fiber substantiate identification. The limit of detection of asbestos by PLM is about 1 percent by area; thus, samples containing less than 1 percent of asbestos are not reliably detected by this technique. The PLM method does determine both the percent (1% or above) and type of asbestos in the bulk sample.

1.5 RESULTS: Following are the asbestos-containing materials identified during this asbestos inspection of the Davis Ventures Community Center:

TABLE 1 – Asbestos-Containing Materials Identified			
Homogenous Area	Asbestos-Containing Material	Location/Approximate Quantity	Photo #
A-01 & A-22	Exterior Window Glazing and Window Frame Caulking	Throughout Main Building Window Units (57 Window Units)	1
A-06	9" x 9" Floor Tile & Black Mastic (Green & Brown Colors)	Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum (9,700 SF)	2 & 3
A-14	Black Chalkboard Mastic	Throughout Chalkboards of Building	4
A-23	"Air-Cell" Straight Run Pipe Insulation	Mechanical Room Overhead (10 LF)	5

Homogeneous area details and results are listed in Appendix A. Bulk sample location drawing is attached in Appendix B. Laboratory analysis data is attached in Appendix C. Photographs are attached in Appendix F.

1.6 RECOMMENDATIONS AND REQUIREMENTS: Recommendations are made with knowledge of how asbestos-containing materials are generally handled during a renovation or demolition. Before proceeding with renovation or demolition of any building or the removal of any asbestos-containing materials, friable or non-friable, contact the regulatory agency with EPA-NESHAPS authority for the area where the work is to occur. In North Carolina, the NC DHHS/Division of Public Health Hazards Control Unit has that authority. Their contact information is:

Health Hazards Control Unit
 NC DHHS/Division of Public Health
 1912 Mail Service Center
 Raleigh, NC 27699-1912
 Phone: 919-707-5950
 Website: www.epi.state.nc.us/epi/asbestos/demolition.html

Also contact your local city and county governments for any permitting regulations that they may require.

According to current EPA regulations, asbestos-containing materials (ACM) are any materials containing more than 1% by weight of any mixture of asbestos types. The disposed asbestos must be placed in a landfill that is accredited to receive these materials. This landfill must be notified of the presence of ACM debris and waste before disposal.

The asbestos-containing materials identified should be removed by a North Carolina DHHS Health Hazards Control Unit accredited contractor prior to disturbance. **Additional sampling may be necessary if additional suspect asbestos-containing materials are discovered during the renovation process.**

END OF SECTION

2.0 Lead-Based Paint Survey Report

2.1 SUMMARY: On January 12th, 2023, Affinity Environmental Consulting, LLC (AEC) performed a lead-based paint survey of the Davis Ventures Community Center located at 33478 US Highway 64 East in Engelhard, North Carolina. AEC was retained by INTREPID Architecture, PA to perform the survey prior to renovation of the building. The LBP survey was performed on interior and exterior painted major building components of the building. A Viken Pb200i spectrum XRF analyzer was used for the survey

2.2 DISCLAIMER: This is our report of X-Ray Fluorescence (XRF) analysis. The presence or absence of lead-based paint or lead-based paint hazards applies only to tested surfaces on the date of the field visit and these conditions may change due to deterioration or maintenance. Ongoing monitoring by the owner is usually necessary. Please review this report fully; including any remarks printed on each page and contact us for an explanation of any aspect of this report, written or printed, which you do not fully understand.

2.3 RESULTS: Following are the components with Lead-Based Paint at or above the federal regulatory level of 1.0 mg/cm² at the Davis Ventures Community Center:

TABLE 2 – Lead-Based Painted Components Identified				
Substrate	Component	Location	Result mg/cm ²	Photo #
Metal	Window Components (Interior & Exterior Sashes & Casings)	Throughout Main Building	1.0 – 3.0	6
Metal	Red Door & Door Casings	Restrooms	1.5	7
CMU	Wall	1 Room in Office Area (Main Reception w/Glass Doors)	1.8 – 2.5	8
Concrete	Window Headers	Exterior Main Building	1.3 – 1.5	6
Wood	Eaves	Exterior Main Building	3.0	6

All XRF paint testing data and results are listed in Appendix D. Photographs are attached in Appendix F.

2.4 RECOMMENDATIONS: According to the North Carolina Department of Health and Human Services (NCDHHS), any painted building component containing lead levels greater than or equal to 1.0 mg/cm² (XRF) or 0.06% by weight (paint chip analysis) must be disposed of in a construction and demolition landfill or municipal solid waste landfill (Subtitle D).

It is common knowledge throughout the lead removal industry that the OSHA PEL lead level of 50 ug/m³ is likely to be exceeded during the disturbance of painted building components with lead levels equal to or greater than 1.0 mg/cm² or 0.5% by weight. All other tested building components containing lower lead levels, less than 1.0 mg/cm², have less potential for the OSHA PEL level of 50 ug/m³ to be reached during controlled disturbance. When conducting activities that involve the disturbance of any components containing lead-based paints, OSHA Construction Standard 29 CFR 1926.62 procedures should be implemented. At a minimum, this includes, negative exposure

assessments, training, medical surveillance, and personal protection. In addition, lead-based paint and lead-based painted components should be properly disposed in accordance with local, state, and federal regulations and requirements.

END OF SECTION

3.0 MOLD AND MOISTURE SURVEY

3.1 SUMMARY: On January 12th, 2023, Affinity Environmental Consulting, LLC (AEC) performed a non-destructive mold and moisture survey of the Davis Ventures Community Center located at 33478 US Highway 64 East in Engelhard, North Carolina. AEC was retained by INTREPID Architecture, PA to perform the survey prior to renovation of the building. The project included a non-destructive visual inspection for moisture intrusion and mold growth along with surface sample collection with laboratory analysis for mold spores.

3.2 PROJECT DESCRIPTION: AEC representative, Mr. Mike G. Cook, CIEC #0909002 conducted the visual mold and moisture survey and collected surface samples in the building. The following observations and notes were made in the following areas during the visual survey (Photographs attached in Appendix F):

1. The roof was observed to be in poor condition throughout. There are numerous tarps on section of the roof. The roof is caved in over the cafeteria dining room and adjacent gym corridor. There are various water damaged ceiling tiles located throughout the building.
2. Visible mold growth was observed on surfaces throughout the building. **(Photos #9, 10, 11, 12, 13, & 14).**
3. The ceilings are badly damaged in the cafeteria, gym corridor, and gym locker rooms from water damage. **(Photos #13, 14, 15, & 16).**

3.3 MOLD Surface Sampling: Two (2) representative tape lift samples were collected from surfaces where suspect visible black mold growth was observed in the building. The samples were sent by FedEx to Scientific Analytical Institute (SAI) in Greensboro, NC for analysis to determine the type of mold present if any. A direct examination allows for the immediate determination of the presence of fungal spores as well as what types of fungi are present. Most surfaces collect a mixture of fungal spores that are normally present in the environment. SAI performed laboratory analysis using SAI Method B-SOP-005.

TABLE 3 – Tape Lift Surface Sample Locations	
Sample #	Sample Location
T-01	Main Corridor Wall
T-02	Main Corridor Door Frame

See laboratory analysis attached in Appendix E.

3.3 CONCLUSIONS:

- 1) The roof was observed to be in poor condition throughout requiring repair.
- 2) Ceilings are damaged in the cafeteria, gym corridor, and gym locker rooms requiring repair.
- 3) Visible mold growth was observed on surfaces throughout the building.
- 4) Tape lift surface sampling results indicate that *Cladosporium* mold is present on surfaces throughout the Main Building. High levels of fruiting bodies and hyphal fragments were also observed on the tape lift samples which indicates active mold growth. *Cladosporium* mold species have been categorized as a potential allergens, pathogens, and toxin producers.

3.4 RECOMMENDATIONS:

- 1) Repair all roofing materials of the building.
- 2) Remove and dispose of all porous components and items throughout the building. This includes: ceiling tiles, HVAC flex ducts, carpet, ceiling and roofing debris, trash, etc. All fabric furniture, clothing, and other fabric items should be disposed of.
- 3) Either dispose of all HVAC units and metal ducting throughout the building or have them professionally cleaned and sanitized.
- 4) All remaining surfaces in the building should be professionally cleaned and sanitized.
- 5) A trained mold remediation contractor should be selected to perform recommendations 2 through 4 following US EPA protocol 402-K-01-001-Mold Remediation in Schools and Commercial Buildings.

3.5 CONDITIONAL STATEMENT: The analysis, conclusions, and recommendations submitted in this report are based on the investigation previously outlined and the data collected at the locations listed. This report does not reflect specific variations that may occur between test locations or any change that may occur due to environmental conditions varying over time. Statistically accurate measurements for indoor air contaminants can only be obtained by collecting multiple samples at multiple times of the day over multiple days. The samples were located where site conditions permitted and where it is believed representative conditions occur. Recommendations are made in accordance with generally accepted industrial hygiene principles and practices and are designed as a tool to assist the client based on information and data available at the time of the survey. The conclusions and recommendations in this report do not constitute medical or legal opinion. A licensed physician should be consulted for medical guidance. This report has been prepared for use by the Client identified in this report. If this

report is transferred to any other party or used for any other purpose without the express written authorization of Affinity Environmental Consulting, LLC (AEC), AEC will not be held liable or responsible for any decisions or outcomes made by such parties.

END OF SECTION

APPENDIX A

Asbestos Inspection Homogeneous Areas & Results

Asbestos Inspection Results

Davis Ventures Community Center

33478 US Highway 264 East

Engelhard, North Carolina

Homogeneous Area					Material Description			
Number	Description	Sample #	Sample Location	Total Asbestos % and Type	Location(s)	Estimated Quantity	Condition	Potential for Disturbance
A-01	Exterior Window Glazing MISC - NF	A-01-01	Main Building Front	4% Chrysotile	Throughout Main Building Window Units	57 Window Units	SD	PSD
		A-01-02	Main Building Rear	4% Chrysotile				
A-02	Top Layer of Roof Shingles MISC - NF	A-02-01	Main Building Roof	None Detected	Main Building Roof	14,000 SF	D	PSD
		A-02-02	Main Building Roof	None Detected				
A-03	Bottom Layer Roof Shingles & Felt MISC - NF	A-03-01A(shingles)	Main Building Roof	None Detected	Main Building Roof	14,000 SF	D	PSD
		A-03-01B(felt)	Main Building Roof	None Detected				
		A-03-02A(shingles)	Main Building Roof	None Detected				
		A-03-02B(felt)	Main Building Roof	None Detected				
A-04	2' x 4' Ceiling Tile (Chicken Track Pattern) MISC - F	A-04-01	Fitness Room	None Detected	Fitness Rooms & Restrooms	1,950 SF	D	PSD
		A-04-02	Men's Restroom	None Detected				
A-05	4" Black Vinyl Cove Base & Adhesive MISC - NF	A-05-01A(vinyl)	Fitness Room	None Detected	Throughout Main Building	Not Quantified	G	LPD
		A-05-01B(adhesive)	Fitness Room	None Detected				
		A-05-02A(vinyl)	Corridor	None Detected				
		A-05-02B(adhesive)	Corridor	None Detected				
A-06	9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) MISC - NF	A-06-01A(carpet glue)	Fitness Room	None Detected	Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum	9,700 SF	G	LPD
		A-06-01B(tile)	Fitness Room	6% Chrysotile				
		A-06-01B(brown mastic)	Fitness Room	None Detected				
		A-06-02A(tile)	Corridor	3% Chrysotile				
		A-06-02B(black mastic)	Corridor	8% Chrysotile				
		A-06-03A(tile)	Office Closet	5% Chrysotile				
		A-06-03B(black mastic)	Office Closet	None Detected				
		A-06-04A(tile)	Gym Corridor	3% Chrysotile				
A-06-04B(black mastic)	Gym Corridor	None Detected						
A-07	12" x 12" Pink Floor Tile and Mastic MISC - NF	A-07-01A(tile)	Corridor	None Detected	Top Layer of Flooring in Main Corridor and Office Area	2,250 SF	G	LPD
		A-07-01B(mastic)	Corridor	None Detected				
		A-07-02A(tile)	Corridor	None Detected				
		A-07-02B(mastic)	Corridor	None Detected				
		A-07-03A(tile)	Office Closet	None Detected				
		A-07-03B(mastic)	Office Closet	None Detected				

NOTE: Quantities Listed are for inspection purposes only. Quantities should be field verified for all other uses.

SURF = Surfacing	F= Friable	SF = Square Feet	G = Good
MISC = Miscellaneous Material	NF = Non-friable	LF = Linear Feet	D = Damaged
TSI = Thermal System Insulation	DNA = Did Not Analyze	CF = Cubic Feet	SD = Significantly Damaged
	ND = None Detected		LPD = Low Potential for Disturbance
			PD = Potential for Disturbance
			PSD = Potential of Significant Disturbance

Asbestos Inspection Results Davis Ventures Community Center 33478 US Highway 264 East Engelhard, North Carolina

Homogeneous Area					Material Description			
Number	Description	Sample #	Sample Location	Total Asbestos % and Type	Location(s)	Estimated Quantity	Condition	Potential for Disturbance
A-08	Sprayed-on Texture Ceiling Surfacing SURF - F	A-08-01	Corridor North	None Detected	Throughout Main Corridor of Building	1,450 SF	G	LPD
		A-08-02	Corridor Middle	None Detected				
		A-08-03	Corridor South	None Detected				
A-09	Green Linoleum Flooring MISC - NF	A-09-01(vinyl & mastic)	Break Room	None Detected	Top Layer of Flooring in Break Room	720 SF	G	LPD
		A-09-02(vinyl & mastic)	Break Room	None Detected				
A-10	Concrete Block Wall Coating MISC - F	A-10-01	Corridor	None Detected	Throughout Concrete Block Walls of Building	Not Quantified	G	LPD
		A-10-02	Fitness Room	None Detected				
		A-10-03	Gym	None Detected				
A-11	Plaster Ceiling SURF - F	A-11-01(finish & base)	Gym Corridor	None Detected	Gym Corridor & Gym Locker Rooms	810 SF	SD	PSD
		A-11-02(finish & base)	Gym Corridor	None Detected				
		A-11-03(mash sample)	Gym Locker Room	None Detected				
A-12	12" x 12" Red Floor Tile & Mastic MISC - NF	A-12-01A(tile)	Gym Locker Room	None Detected	Gym Locker Room	100 SF	G	LPD
		A-12-01B(mastic)	Gym Locker Room	None Detected				
		A-12-02A(tile)	Gym Locker Room	None Detected				
		A-12-02B(mastic)	Gym Locker Room	None Detected				
A-13	Mud Pipe Insulation Fitting (Elbows, T's, etc.) TSI - F	A-13-01	Gym Locker Room	None Detected	Fittings Throughout Gym Locker Rooms and Mechanical Room	25 Fittings	D	PSD
		A-13-02	Mechanical Room	None Detected				
		A-13-03	Mechanical Room	None Detected				
A-14	Black Chalkboard Mastic MISC - NF	A-14-01	Fitness Room	5% Chrysotile	Throughout Chalkboards of Building	Not Quantified	G	LPD
A-15	2' x 2' Decorative Ceiling Tile MISC - F	A-15-01	Dining Room	None Detected	Cafeteria Dining Room	250 SF	D	PSD
		A-15-02	Dining Room	None Detected				
A-16	Plaster Bulkhead SURF - F	A-16-01	Dining Room	None Detected	Cafeteria Dining Room	120 SF	D	PSD
A-17	2' x 4' Drywall Ceiling Tile MISC - F	A-17-01	Kitchen	None Detected	Cafeteria Kitchen	575 SF	D	PSD
		A-17-02	Kitchen	None Detected				

NOTE: Quantities Listed are for inspection purposes only. Quantities should be field verified for all other uses.

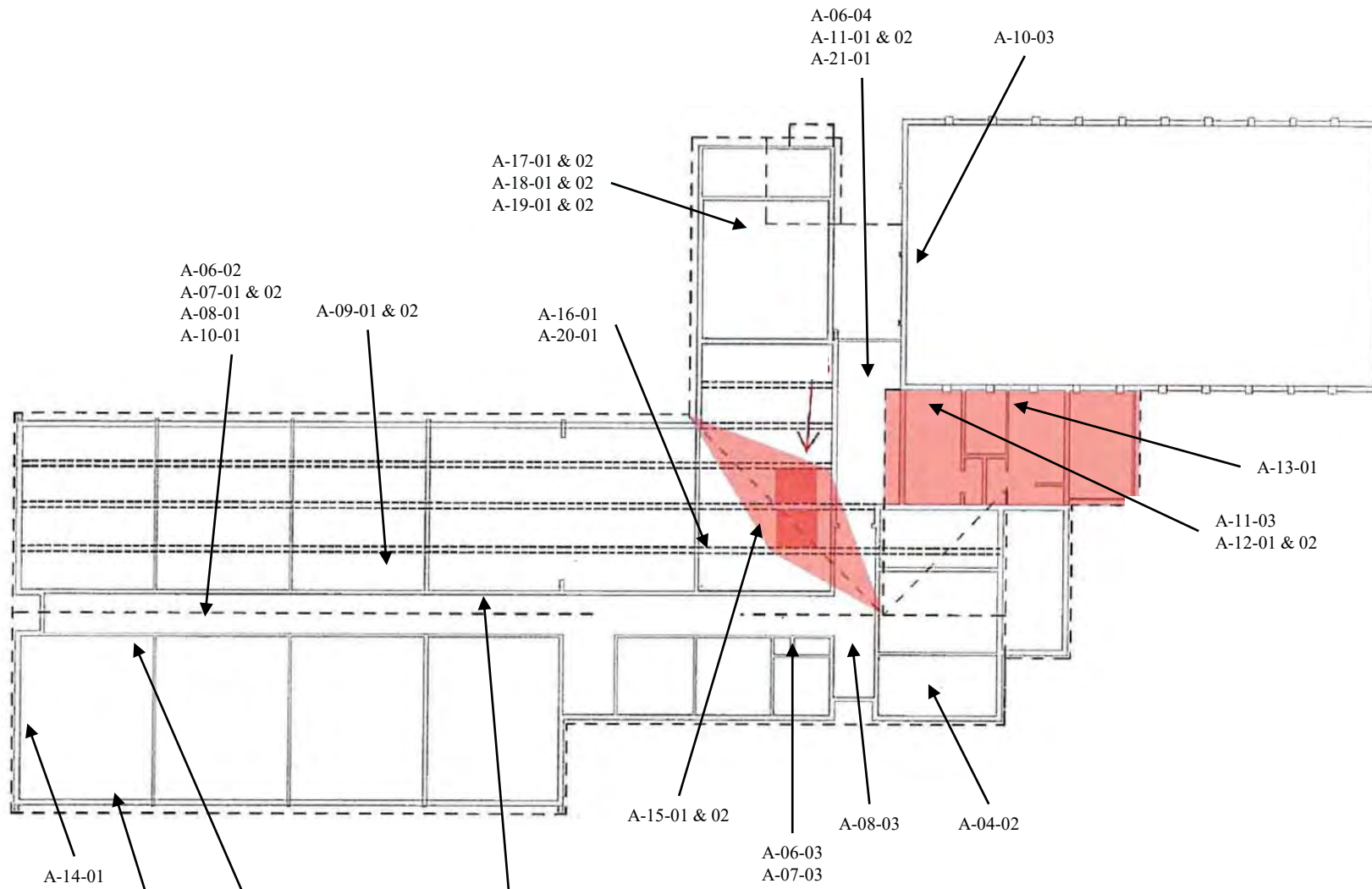
SURF = Surfacing	F= Friable	SF = Square Feet	G = Good	LPD = Low Potential for Disturbance
MISC = Miscellaneous Material	NF = Non-friable	LF = Linear Feet	D = Damaged	PD = Potential for Disturbance
TSI = Thermal System Insulation	DNA = Did Not Analyze	CF = Cubic Feet	SD = Significantly Damaged	PSD = Potential of Significant Disturbance
	ND = None Detected			


Asbestos Inspection Results Davis Ventures Community Center 33478 US Highway 264 East Engelhard, North Carolina

Homogeneous Area					Material Description			
Number	Description	Sample #	Sample Location	Total Asbestos % and Type	Location(s)	Estimated Quantity	Condition	Potential for Disturbance
A-18	Gray Flooring & Mastic MISC - F	A-18-01(flooring & mastic)	Kitchen	None Detected	Cafeteria Kitchen	575 SF	D	PSD
		A-18-02(flooring & mastic)	Kitchen	None Detected				
A-19	12" x 12" Gray Floor Tile & Mastic MISC - NF	A-19-01A(tile)	Kitchen	None Detected	Kitchen Dishwash Area	11 SF	G	LPD
		A-19-01B(mastic)	Kitchen	None Detected				
		A-19-02A(tile)	Kitchen	None Detected				
		A-19-02B(mastic)	Kitchen	None Detected				
A-20	Drywall & Joint Compound Wall MISC - F	A-20-01	Cafeteria Dining Room	None Detected	Cafeteria Dining Room	900 SF	G	LPD
A-21	Built-up Roofing Debris MISC - NF	A-21-01	Gym Corridor	None Detected	Roofing Debris on Floor in Gym Corridor	Not Quantified	G	LPD
A-22	Exterior Window Frame Caulking MISC - NF	A-22-01	Main Building Rear	4% Chrysotile	Throughout Main Building Window Units	57 Window Units	G	LPD
		A-22-02	Main Building Front	4% Chrysotile				
A-23	"Air-Cell" Straight Run Pipe Insulation TSI - F	Assumed Asbestos-Containing - No Samples Collected			Mechanical Room	10 LF	G	LPD
NOTE : Quantities Listed are for inspection purposes only. Quantities should be field verified for all other uses.								
SURF = Surfacing		F= Friable		SF = Square Feet		G = Good		LPD = Low Potential for Disturbance
MISC = Miscellaneous Material		NF = Non-friable		LF = Linear Feet		D = Damaged		PD = Potential for Disturbance
TSI = Thermal System Insulation		DNA = Did Not Analyze		CF = Cubic Feet		SD = Significantly Damaged		PSD = Potential of Significant Disturbance
		ND = None Detected						

APPENDIX B

Asbestos Bulk Sampling Location Drawing



Asbestos Bulk Sampling Locations	
Davis Ventures Community Center	
Engelhard, NC	
Scale: No Scale	
Date: 1/14/2023	
Drawn by: MGC	
AEC #23009	
	

APPENDIX C

Asbestos PLM Bulk Sample Laboratory Results



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-01-01		4% Chrysotile		96% Other	White Non-Fibrous Homogeneous
10013885_0001					Ashed
A-01-02		4% Chrysotile		96% Other	White Non-Fibrous Homogeneous
10013885_0002					Teased, Ashed
A-02-01		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0003					Dissolved
A-02-02		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0004					Dissolved
A-03-01 - A		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0005	shingle				Dissolved
A-03-01 - B		None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
10013885_0047	felt				Dissolved, Teased
A-03-02 - A		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0048	shingle - not on coc				Dissolved
A-03-02 - B		None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
10013885_0049	felt - not on coc				Dissolved, Teased

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Byron Stroble (71)

Analyst

Approved Signatory

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
 P.O. Box 7153
 Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-04-01		None Detected	45% Mineral Wool 45% Cellulose	10% Other	Gray Fibrous Homogeneous
10013885_0006					Teased, Ashed
A-04-02		None Detected	45% Mineral Wool 45% Cellulose	10% Other	Gray Fibrous Homogeneous
10013885_0007					Teased, Ashed
A-05-01 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0008	covebase				Ashed
A-05-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0050	mastic				Dissolved
A-05-02 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0009	covebase				Ashed
A-05-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0051	mastic				Dissolved
A-06-01 - A		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0010	mastic 1				Dissolved
A-06-01 - B		6% Chrysotile		94% Other	Brown Non-Fibrous Homogeneous
10013885_0052	tile				Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



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 Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-06-01 - C		None Detected		100% Other	Brown Non-Fibrous Homogeneous
10013885_0053	mastic 2				Dissolved
A-06-02 - A		3% Chrysotile		97% Other	Green Non-Fibrous Homogeneous
10013885_0011	tile				Dissolved
A-06-02 - B		8% Chrysotile		92% Other	Black Non-Fibrous Homogeneous
10013885_0054	mastic				Dissolved
A-06-03 - A		5% Chrysotile		95% Other	Black Non-Fibrous Homogeneous
10013885_0012	tile				Dissolved
A-06-03 - B		None Detected		100% Other	Black Non-Fibrous Homogeneous
10013885_0055	mastic				Dissolved
A-06-04 - A		3% Chrysotile		97% Other	Green Non-Fibrous Homogeneous
10013885_0013	tile				Dissolved
A-06-04 - B		None Detected		100% Other	Black Non-Fibrous Homogeneous
10013885_0056	mastic				Dissolved
A-07-01 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0014	tile				Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
 P.O. Box 7153
 Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-07-01 - B		None Detected		100% Other	White, Yellow Non-Fibrous Heterogeneous
10013885_0057	mastic/leveling compound				Dissolved
A-07-02 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0015	tile				Dissolved
A-07-02 - B		None Detected		100% Other	Yellow, White Non-Fibrous Heterogeneous
10013885_0058	mastic/leveling compound				Dissolved
A-07-03 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0016	tile				Dissolved
A-07-03 - B		None Detected		100% Other	Brown Non-Fibrous Homogeneous
10013885_0059	mastic				Dissolved
A-08-01		None Detected		90% Other 10% Vermiculite	White Non-Fibrous Homogeneous
10013885_0017					Teased
A-08-02		None Detected		90% Other 10% Vermiculite	White Non-Fibrous Homogeneous
10013885_0018					Teased
A-08-03		None Detected		90% Other 10% Vermiculite	White Non-Fibrous Homogeneous
10013885_0019					Teased

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Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
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Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-09-01 - A		None Detected	30% Cellulose	70% Other	Brown Non-Fibrous Homogeneous
10013885_0020	vinyl sheet flooring				Teased
A-09-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0060	mastic				Dissolved
A-09-02 - A		None Detected	30% Cellulose	70% Other	Brown Non-Fibrous Homogeneous
10013885_0021	vinyl sheet flooring				Teased
A-09-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0061	mastic				Dissolved
A-10-01		None Detected		100% Other	White Non-Fibrous Homogeneous
10013885_0022					Dissolved
A-10-02		None Detected		100% Other	Blue Non-Fibrous Homogeneous
10013885_0023					Dissolved
A-10-03		None Detected		100% Other	Green Non-Fibrous Homogeneous
10013885_0024					Dissolved
A-11-01 - A		None Detected		100% Other	White Non-Fibrous Homogeneous
10013885_0025	finish				Crushed

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Analyst

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Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-11-01 - B		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0062	base				Crushed
A-11-02 - A		None Detected		100% Other	White Non-Fibrous Homogeneous
10013885_0026	finish				Crushed
A-11-02 - B		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0063	base				Crushed
A-11-03		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0027	single layer plaster				Crushed
A-12-01 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0028	tile				Dissolved
A-12-01 - B		None Detected		100% Other	Red Non-Fibrous Homogeneous
10013885_0064	mastic				Dissolved
A-12-02 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0029	tile				Dissolved
A-12-02 - B		None Detected		100% Other	Red Non-Fibrous Homogeneous
10013885_0065	mastic				Dissolved

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Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-13-01		None Detected	30% Mineral Wool	70% Other	Gray Non-Fibrous Homogeneous
10013885_0030					Teased
A-13-02 - A		None Detected	60% Cellulose	40% Other	White Fibrous Heterogeneous
10013885_0031	wrap				Dissolved, Teased
A-13-02 - B		None Detected	30% Mineral Wool	70% Other	Gray Non-Fibrous Homogeneous
10013885_0066	insulation				Teased
A-13-03 - A		None Detected	60% Cellulose	40% Other	White Fibrous Heterogeneous
10013885_0032	wrap				Dissolved, Teased
A-13-03 - B		None Detected	30% Mineral Wool	70% Other	Gray Non-Fibrous Homogeneous
10013885_0067	insulation				Teased
A-14-01		5% Chrysotile		95% Other	Gray, Beige Non-Fibrous Heterogeneous
10013885_0033					Crushed, Dissolved
A-15-01		None Detected	45% Cellulose 45% Mineral Wool	10% Other	Gray Fibrous Homogeneous
10013885_0034					Teased, Ashed
A-15-02		None Detected	45% Mineral Wool 45% Cellulose	10% Other	Gray Fibrous Homogeneous
10013885_0035					Teased, Ashed

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

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Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-16-01		None Detected	10% Cellulose	90% Other	White, Brown Non-Fibrous Homogeneous
10013885_0036					Teased
A-17-01		None Detected	10% Cellulose	90% Other	Brown, White Non-Fibrous Homogeneous
10013885_0037					Teased
A-17-02		None Detected	10% Cellulose	90% Other	Brown, White Non-Fibrous Homogeneous
10013885_0038					Teased
A-18-01 - A		None Detected	60% Cellulose	40% Other	Brown Fibrous Heterogeneous
10013885_0039	vinyl sheet flooring				Dissolved, Teased
A-18-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0068	mastic				Dissolved
A-18-02 - A		None Detected	60% Cellulose	40% Other	Brown Fibrous Heterogeneous
10013885_0040	vinyl sheet flooring				Dissolved, Teased
A-18-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0069	mastic				Dissolved
A-19-01 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0041	tile				Dissolved

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Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-19-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0070	mastic				Dissolved
A-19-02 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0042	tile				Dissolved
A-19-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0071	mastic				Dissolved
A-20-01		None Detected	10% Cellulose	90% Other	Brown, White Non-Fibrous Heterogeneous
10013885_0043	drywall:none detect; joint compound:none detect				Teased
A-21-01		None Detected	30% Cellulose	70% Other	Black Non-Fibrous Heterogeneous
10013885_0044					Dissolved
A-22-01		4% Chrysotile		96% Other	Gray Non-Fibrous Homogeneous
10013885_0045					Ashed
A-22-02		4% Chrysotile		96% Other	Gray Non-Fibrous Homogeneous
10013885_0046					Ashed

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Analyst

Approved Signatory



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 4604 Dundas Dr. Greensboro, NC 27407
 Phone: 336.292.3888 Fax: 336.292.3313
 www.sailab.com lab@sailab.com

Lab Use Only
 Lab Order ID: 10013885
 Client Code: _____

Company Contact Information	
Company: Affinity Environmental Consulting, LLC	Contact: Mike Cook
Address: P.O. Box 7153	Phone <input type="checkbox"/> : (828) 508-3812
Ashville, NC 28802	Fax <input type="checkbox"/> :
	Email <input checked="" type="checkbox"/> : mcook@affinityenv.com

Asbestos Test Types	
PLM EPA 600/R-93/116 (PLM)	<input checked="" type="checkbox"/>
Positive stop	<input type="checkbox"/>
PLM Point Count 400 (PT4)	<input type="checkbox"/>
PLM Point Count 1000 (PTM)	<input type="checkbox"/>
PCM NIOSH 7400-A Rules (PCM)	<input type="checkbox"/>
B Rules (PCB) <input type="checkbox"/>	TWA (PTA) <input type="checkbox"/>
TEM AHERA (AHE)	<input type="checkbox"/>
TEM Level II (LII)	<input type="checkbox"/>
TEM NIOSH 7402 (TNI)	<input type="checkbox"/>
TEM Bulk Qualitative (TBL)	<input type="checkbox"/>
TEM Bulk Chatfield (TBS)	<input type="checkbox"/>
TEM Bulk Quantitative (TBQ)	<input type="checkbox"/>
TEM Wipe ASTM D6480-05	<input type="checkbox"/>
TEM Microvac ASTM D5755-02	<input type="checkbox"/>
TEM Water EPA 100.2 (TW1)	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>

Billing/Invoice Information	Turn Around Times	
Company: SAME	90 Min. <input type="checkbox"/>	48 Hours <input type="checkbox"/>
Contact:	3 Hours <input type="checkbox"/>	72 Hours <input type="checkbox"/>
Address:	6 Hours <input type="checkbox"/>	96 Hours <input type="checkbox"/>
	12 Hours <input type="checkbox"/>	120 Hours <input type="checkbox"/>
	24 Hours <input checked="" type="checkbox"/>	144* Hours <input type="checkbox"/>

PO Number: _____
 Project Name/Number: Davis Ventures Community Center

Sample ID #	Description/Location	Volume/Area	Comments
A-01-01			
A-01-02			
A-02-01			
A-02-02			
A-03-01			Accepted <input checked="" type="checkbox"/>
A-04-01			
A-04-02			Rejected <input type="checkbox"/>
A-05-01			
A-05-02			
A-06-01			
A-06-02			

Total # of Samples 46

Relinquished by	Date/Time	Received by	Date/Time
<i>Mike Cook</i>	1/13/23	<i>Don H. P. [Signature]</i>	1/14/23 1200

APPENDIX D

Lead Survey XRF Results

XRF PAINT TESTING DATA
 DAVIS VENTURES COMMUNITY CENTER
 33478 US HIGHWAY 264 | ENGELHARD, NC

TEST #	DATE	TIME	COLOR	SUBSTRATE	COMPONENT	LOCATION	PbC mg/cm ²	RESULT
1	1/12/2023	12:20:44	YELLOW	CMU	WALL	CORRIDOR	0.1	Negative
2	1/12/2023	12:21:06	YELLOW	CMU	WALL	CORRIDOR	0	Negative
3	1/12/2023	12:21:32	PINK	METAL	DOOR CASE	CORRIDOR	0.2	Negative
4	1/12/2023	12:21:48	PINK	METAL	DOOR CASE	CORRIDOR	0	Negative
5	1/12/2023	12:22:18	WHITE	DRYWALL	CEILING	CORRIDOR	0	Negative
6	1/12/2023	12:22:26	WHITE	DRYWALL	CEILING	CORRIDOR	0	Negative
7	1/12/2023	12:23:31	WHITE	WOOD	CEILING DECKING	FITNESS	0	Negative
8	1/12/2023	12:23:41	WHITE	WOOD	CEILING DECKING	FITNESS	0.3	Negative
9	1/12/2023	12:24:23	WHITE	CONCRETE	BEAM	FITNESS	0.6	Negative
10	1/12/2023	12:24:48	WHITE	CMU	WALL	FITNESS	0	Negative
11	1/12/2023	12:25:01	BLUE	CMU	WALL	FITNESS	0	Negative
12	1/12/2023	12:25:26	WHITE	METAL	WINDOW SASH	FITNESS	1	Positive
13	1/12/2023	12:25:49	WHITE	METAL	WINDOW CASE	FITNESS	0.9	Negative
14	1/12/2023	12:26:29	WHITE	METAL	DOOR	FITNESS	0	Negative
15	1/12/2023	12:31:32	YELLOW	WOOD	CHALKBOARD TRIM	FITNESS	0.6	Negative
16	1/12/2023	12:31:56	YELLOW	WOOD	CHALKBOARD TRIM	FITNESS	0.6	Negative
17	1/12/2023	12:32:17	YELLOW	METAL	RADIATOR	FITNESS	0	Negative
18	1/12/2023	12:32:43	YELLOW	METAL	WINDOW SASH	FITNESS	1.1	Positive
19	1/12/2023	12:35:06	WHITE	WOOD	CEILING DECKING	MEETING ROOM	0.1	Negative
20	1/12/2023	12:35:52	WHITE	CONCRETE	WINDOW HEADER	MEETING ROOM	0.7	Negative
21	1/12/2023	12:36:43	YELLOW	CMU	WALL	MEETING ROOM	0.3	Negative
22	1/12/2023	12:37:36	WHITE	WOOD	DOOR	MEETING ROOM	0.6	Negative
23	1/12/2023	12:37:52	WHITE	WOOD	DOOR CASE	MEETING ROOM	0.9	Negative
24	1/12/2023	12:38:30	WHITE	METAL	DOOR CASE	CORRIDOR	0.8	Negative
25	1/12/2023	13:00:11	WHITE	DRYWALL	WALL	CAFETERIA	0.1	Negative
26	1/12/2023	13:00:34	WHITE	WOOD	DOOR	CAFETERIA	0	Negative
27	1/12/2023	13:02:21	RED	CONCRETE	FLOOR	OFFICE	0.1	Negative
28	1/12/2023	13:02:55	GREEN	WOOD	SHELVING	OFFICE	0	Negative
29	1/12/2023	13:05:10	WHITE	WOOD	CEILING	OFFICE	0.1	Negative
30	1/12/2023	13:05:32	YELLOW	CMU	WALL	OFFICE	2.5	Positive
31	1/12/2023	13:05:45	YELLOW	CMU	WALL	OFFICE	0	Negative
32	1/12/2023	13:06:04	YELLOW	CMU	WALL	OFFICE	1.8	Positive
33	1/12/2023	13:06:16	YELLOW	CMU	WALL	OFFICE	0.1	Negative
34	1/12/2023	13:06:27	YELLOW	CMU	WALL	OFFICE	0	Negative
35	1/12/2023	13:07:09	YELLOW	METAL	WINDOW SASH	OFFICE	1.7	Positive
36	1/12/2023	13:07:23	YELLOW	METAL	WINDOW CASE	OFFICE	3	Positive
37	1/12/2023	13:07:55	WHITE	WOOD	DOOR CASE	OFFICE	0.8	Negative
38	1/12/2023	13:08:58	RED	METAL	DOOR	RESTROOM	1.5	Positive
39	1/12/2023	13:09:11	RED	METAL	DOOR CASE	RESTROOM	1.5	Positive
40	1/12/2023	13:09:43	WHITE	METAL	DOOR CASE	EXIT DOOR	0	Negative
41	1/12/2023	13:09:58	WHITE	METAL	DOOR	EXIT DOOR	0.1	Negative
42	1/12/2023	13:10:23	WHITE	CMU	WALL	RESTROOM	0.2	Negative
43	1/12/2023	13:10:39	WHITE	CONCRETE	WALL	RESTROOM	0.1	Negative
44	1/12/2023	13:11:00	WHITE	PORCELAIN	SINK	RESTROOM	0	Negative
45	1/12/2023	13:11:53	WHITE	PLASTER	CEILING	RESTROOM	0.2	Negative
46	1/12/2023	13:13:02	GRAY	BRICK	WALL	RESTROOM	0.2	Negative

XRF PAINT TESTING DATA
 DAVIS VENTURES COMMUNITY CENTER
 33478 US HIGHWAY 264 | ENGELHARD, NC

TEST #	DATE	TIME	COLOR	SUBSTRATE	COMPONENT	LOCATION	PbC mg/cm ²	RESULT
47	1/12/2023	13:13:22	GRAY	METAL	DOOR	RESTROOM	0.1	Negative
48	1/12/2023	13:13:39	RED	METAL	DOOR CASE	RESTROOM	0.4	Negative
49	1/12/2023	13:14:09	RED	METAL	DOOR CASE	LOCKER ROOM	0.4	Negative
50	1/12/2023	13:14:37	WHITE	PLASTER	CEILING	LOCKER ROOM	0.1	Negative
51	1/12/2023	13:15:02	YELLOW	CMU	WALL	LOCKER ROOM	0	Negative
52	1/12/2023	13:15:25	WHITE	CMU	WALL	GYM	0	Negative
53	1/12/2023	13:15:34	WHITE	CMU	WALL	GYM	0	Negative
54	1/12/2023	13:16:00	RED	WOOD	DOOR	GYM	0	Negative
55	1/12/2023	13:16:20	RED	METAL	DOOR	GYM	0.1	Negative
56	1/12/2023	13:18:07	GREEN	METAL	DOOR	EXTERIOR	0.1	Negative
57	1/12/2023	13:18:22	GREEN	METAL	DOOR CASE	EXTERIOR	0	Negative
58	1/12/2023	13:18:46	BLACK	METAL	WINDOW SASH	EXTERIOR	1.5	Positive
59	1/12/2023	13:19:20	WHITE	CONCRETE	WINDOW HEADER	EXTERIOR	1.3	Positive
60	1/12/2023	13:19:36	WHITE	CONCRETE	WINDOW HEADER	EXTERIOR	1.5	Positive
61	1/12/2023	13:27:55	WHITE	CMU	WALL	MECH ROOM	0	Negative
62	1/12/2023	13:29:11	GREEN	METAL	DOOR	MECH ROOM	0.9	Negative
63	1/12/2023	13:30:50	WHITE	CMU	COLUMN	EXT GYM	0	Negative
64	1/12/2023	13:31:18	RED	METAL	COLUMN	EXT GYM	0.2	Negative
65	1/12/2023	13:32:18	TAN	CMU	WALL	EXT CAFÉ	0.1	Negative
66	1/12/2023	13:32:43	BROWN	METAL	DOOR	EXT CAFÉ	0	Negative
67	1/12/2023	13:36:09	WHITE	METAL	FASCIA	EXTERIOR	0.8	Negative
68	1/12/2023	13:36:47	BEIGE	CMU	WALL	EXTERIOR	0.3	Negative
69	1/12/2023	13:37:15	BLACK	METAL	WINDOW SASH	EXTERIOR	0.8	Negative
70	1/12/2023	13:37:34	BLACK	METAL	WINDOW SASH	EXTERIOR	0.9	Negative
71	1/12/2023	13:39:42	WHITE	WOOD	EAVE	EXTERIOR	3	Positive

APPENDIX E

Mold Surface Sampling Laboratory Analysis Data

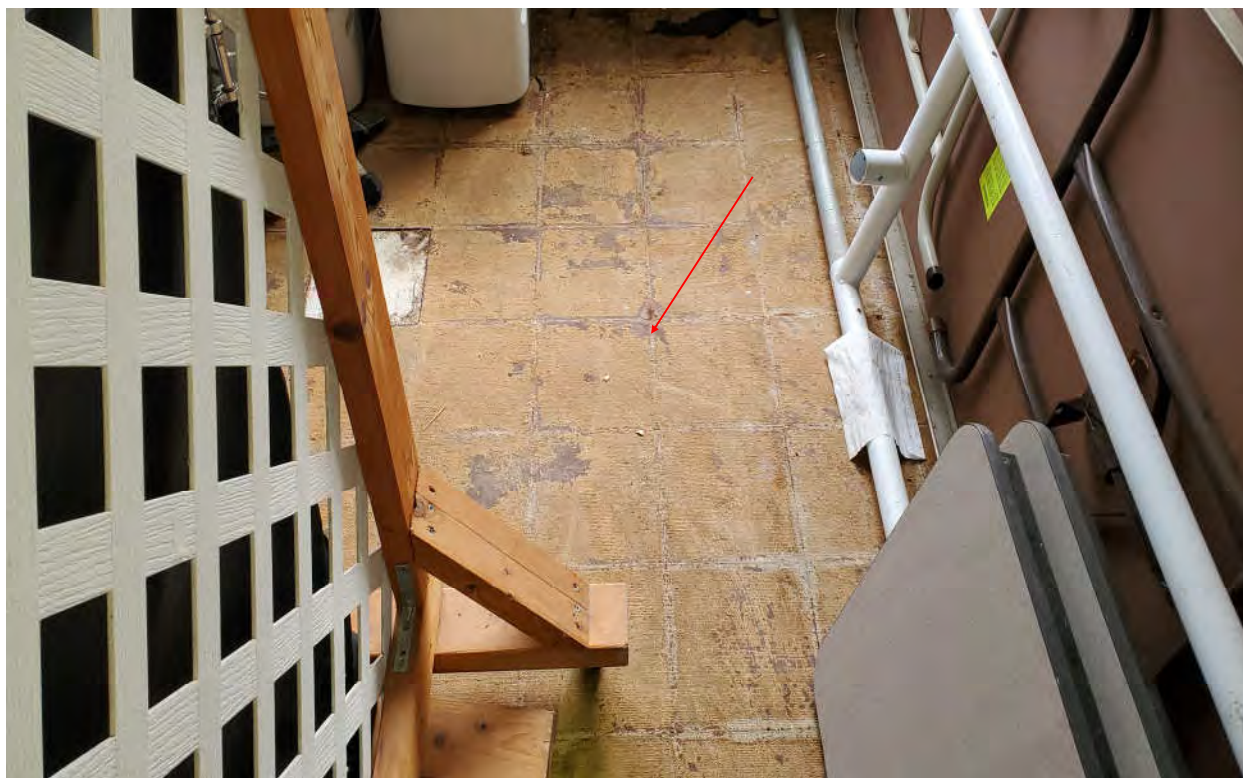
APPENDIX F

Photographs

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 1 - Homogeneous Areas A-01 & A-22—Typical Asbestos-Containing Exterior Window Glazing and Window Frame Caulking Located Throughout Main Building Window Units. (57 Window Units)

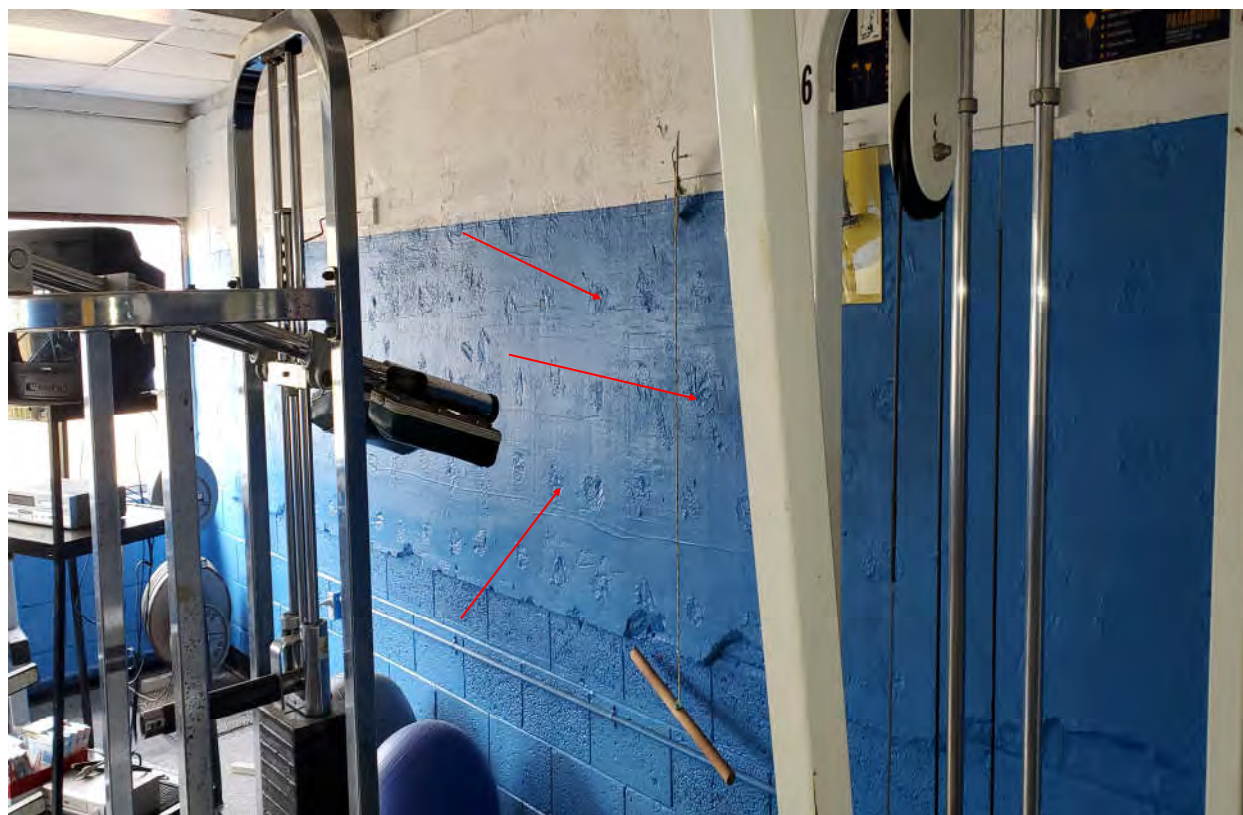


Photograph 2 - Homogeneous Area A-06—Typical Asbestos-Containing 9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) Located as Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum (9,700 SF)

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 3 - Homogeneous Area A-06 - Typical Asbestos-Containing 9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) Located as Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum



Photograph 4 - Homogeneous Areas A-14—Typical Asbestos-Containing Chalkboard Mastic Located Throughout Main Building Chalkboards.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 5 - Homogeneous Area A-23 - Asbestos-Containing “Air-Cell” Straight Run Pipe Insulation Located Overhead in the Mechanical Room. (10 LF)



Photograph 6 - Typical Lead-Based Paint Throughout Interior and Exterior Metal Window Components (Sashes & Casings), Concrete Window Headers, & Wooden Eaves of Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 7 - Typical Lead-Based Paint on Red Doors and Dooring Casings in Restrooms of Main Building.



Photograph 8 - Typical Lead-Based Paint on CMU Walls in This One Room Only in Office Area in Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 9 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.



Photograph 10 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 11 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.



Photograph 12 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 13 - Typical Moisture Damage & Mold Growth in Cafeteria from Damaged Roof.



Photograph 14 - Typical Moisture Damage & Mold Growth on Walls, Door Components, & Other Surfaces in the Cafeteria from Damaged Roof.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 15 - Typical Water Damage & Mold Growth in Gym Corridor from Damaged Roof.



Photograph 16 - Typical Moisture Damage & Mold Growth on Walls, Door Components, & Other Surfaces in the Gym Locker Rooms from Damaged Roof.

Section 106 ATTACHMENT 3:

NCORR Original Submission dated June 13, 2023
omitted from here because already included below

NC SHPO Response dated July 19, 2023



North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office

Ramona M. Bartos, Administrator

Governor Roy Cooper
Secretary D. Reid Wilson

Office of Archives and History
Deputy Secretary, Darin J. Waters, Ph.D.

July 19, 2023

MEMORANDUM

TO: Andrea Gievers andrea.l.gievers@rebuild.nc.gov
N.C. Office of Recovery & Resiliency
Department of Public Safety

FROM: Ramona M. Bartos, Deputy State Historic Preservation Officer *RMB for Ramona M. Bartos*

SUBJECT: Davis Ventures Community Center Improvement, 33478 US Highway 264, Englehard, Hyde County, SCH 23-E-4600-0252, ER 19-2399

Thank you for your recent submission concerning the above-referenced undertaking. We have reviewed the proposed work to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions and offer the following comments.

We are pleased to see and applaud the proposed work for in-kind repair and rebuilding of deteriorated portions of the existing roofing, along with preserving the encapsulated original flat roof and monitor roof on the National Register-listed Davis School (HY0907). This work will help to ensure the re-use of these contributing portions of the school and long-term preservation of this historically and architecturally significant property.

Much of the proposed undertaking, including roof work, soffit and fascia repairs, hazardous material remediation, and interior work appears to meet the *Secretary of the Interior's Standards for Rehabilitation*. Linked below is a National Park Service Preservation Brief (#37) on "*Appropriate Methods for Reducing Lead-Paint Hazards in Historic Housing*", that may provide helpful guidance for lead abatement.

<https://home1.nps.gov/tps/how-to-preserve/briefs/37-lead-paint-hazards.htm>

Windows

The 75% construction drawings indicate that the existing windows are to remain – see sheet A0.01, D12 under Demo Key Notes: "*all existing window assembly to remain, UNO*". We are confused in that the submittal letter from June 13, 2023, notes "*removal and replacement of existing windows with new thermally-broken aluminum storefront and low-e coated insulated glazing panels*". Please provide clarification as to whether the existing historic windows are to be retained or be replaced.

Replacement of the original windows that are repairable would not meet the *Secretary of the Interior's Standards for Rehabilitation* and would result in an adverse effect. The steel-frame windows are an important character defining feature of the school buildings and replacement does not meet *Standards* one, three, and five, noted below.

1: The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.

3: Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a historic property shall be preserved.

5: Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match to old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.

To meet the *Standards* and avoid an adverse effect, the existing historic windows must be repaired rather than replaced. The National Park Service's (NPS) Preservation Brief #9, The Repair of Historic Wooden Windows, provides helpful information and guidance on historic wood windows. This brief can be on the NPS website linked below:

<https://www.nps.gov/tps/how-to-preserve/briefs/9-wooden-windows.htm>.

To make the windows more energy efficient, consider retrofitting them with double-insulated glass or by adding storm window units. Exterior or interior storm glazing may also be added to improve energy efficiency. To minimize the visual impact of adding storm windows the division of the storm windows must align with the meeting rails of the historic windows.

NPS Preservation Brief # 3 Improving Energy Efficiency in Historic Buildings, is another information resource and can be found at the NPS link below:

<https://www.nps.gov/tps/how-to-preserve/briefs/3-improve-energy-efficiency.htm>

Restoration Specialist Reid Thomas is available upon request and time-available basis to provide technical restoration advice with the project. Mr. Thomas can be reached at email: reid.thomas@dncr.nc.gov or office: (252) 830-6580, ext 222.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, Environmental Review Coordinator, at 919-814-6579 or environmental.review@ncdcr.gov. In all future communication concerning this project, please cite the above referenced tracking number.

cc: Crystal Best, NC SCH
Reid Thomas, NC HPO-EO

crystal.best@doa.nc.gov
reid.thomas@dncr.nc.gov

NCORR Original Submission Package
dated June 13, 2023



North Carolina Department of Public Safety

Office of Recovery and Resiliency

Roy Cooper, Governor
Eddie M. Buffaloe, Jr., Secretary

Laura H. Hogshead, Director

June 13, 2023

Ms. Renee Gledhill-Earley
Environmental Review Coordinator
NC State Historic Preservation Office
4617 Mail Service Center
Raleigh, NC 27699-4617

Sent via email to the State Environmental Clearinghouse:

State.Clearinghouse@doa.nc.gov
crystal.best@doa.nc.gov

RE: State Historic Preservation Office Request for Concurrence
Section 106 Review - HUD CDBG-MIT Program
Davis Ventures Community Center (Former Davis School)
33478 U.S. 264
Engelhard, NC 27824

Dear Ms. Gledhill-Earley:

In accordance with Section 106 of the National Historic Preservation Act (NHPA) and its implementing regulations, 36 CFR Part 800, we are providing information for your review and concurrence regarding the above-referenced project. The North Carolina Office of Recovery and Resiliency (NCORR), as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD), is serving as the responsible entity for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. NCORR is acting on behalf of HUD in providing the enclosed project information and request for consultation.

Area of Potential Effects (APE) under §800.16(d): We have defined the APE as the boundary of the Subject Property known as the former Davis School located at 33478 U.S. 264, Engelhard, Hyde County, NC 27824. According to the Hyde County Tax Map, the County-owned parcel is over 8.6 acres with Parcel ID # R7-124. The proposed project location maps are included in **Attachment 1** for your review.

Mailing Address:
Post Office Box 110465
Durham, NC 27709



Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

An Equal Opportunity Employer

The State of North Carolina was adversely impacted by the landfall of Hurricane Matthew (October 8, 2016). During Hurricane Matthew, the Davis Ventures Community Center's roof failed under the heavy rains and high winds and the electrical boxes were damaged by water leaking into the building. Volunteers pumped the rainwater from the building. The Hyde County Building Inspector visited the site and issued a letter stating that the roof was damaged beyond repair. He also noted in the letter that water was leaking onto the electrical boxes, which posed a serious fire hazard and life safety hazard. According to the January 17, 2023 Hazardous Materials Assessment Report, the roof was observed to be in poor condition throughout. There are numerous tarps on sections of the roof. The roof is caved in over the cafeteria dining room and adjacent gym corridor. There are various water damaged ceiling tiles located throughout the building. Therefore, funding for the proposed project will be provided in part by the HUD CDBG-MIT North Carolina Infrastructure Recovery Program for Hurricane Matthew storm recovery activities in North Carolina.

Proposed Project Description: Hyde County is requesting CDBG-MIT funding for the Davis Ventures Community Center to make improvements including replace the roof and windows; remediate, abate and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions. The gymnasium/auditorium flat-top roof was replaced circa 1976. The 1953 former Davis School and contributing buildings (1964 gymnasium/auditorium and classroom building and 1971 cafeteria/ kitchen) were listed on the National Register of Historic Places for local significance on April 17, 2023. The Davis School was originally constructed as a school for African-American students circa 1953 with additions constructed in 1964 (gymnasium) and 1971 (cafeteria/ kitchen). Due to the age of the structure, a qualified lead-based paint and asbestos contractor is required for survey and abatement in compliance with all applicable federal, State and local laws, regulations and procedures. The existing roof structure will be evaluated for structural load capability and determination of wind loads in accordance with Minimum Design Loads and Associated Criteria for Buildings and Other Structures (ASCE/SEI 7-16), as required by the current edition of the State Building Code, to accommodate and provide specifications for the most appropriate design for structural integrity and long-term stability.

The **existing flat membrane roof will remain**, and the proposed project will involve the following activities, subject to change based on current conditions: Mold remediation; lead and asbestos abatement; removal, demolition and replacement of rotten and damaged materials (collapsed gabled roof system, flat wood decking, wood sill plates, original wood decking under trusses, ceiling system, floor finishes, and wood under roof sheathing); removal and demolition of soffit panels and fascia cladding around perimeter of building, gymnasium louvers, asphalt shingles, casework, and bathroom partitions and accessories; removal and replacement of existing windows with new thermally-broken aluminum storefront and low-e coated insulated glazing panels; installation of new roof framing to match existing roof profile, hurricane ties at all load-bearing wall locations, new roof sheathing to match existing adjacent, two offset layers of roofing felts and asphalt shingle roofing system, roof felt pattern, fastening pattern of shingles, pre-finished aluminum drip edge, fascia cladding, and vented soffit panels around perimeter of building with gable roof, pre-finished aluminum continuous flashing with continuous termination bar, new

hurricane-rated louvers and sill pans with end dams, and a continuous ridge vent; removal and disposal of nonfunctional mechanical systems (HVAC); and removal for storage of the commercial kitchen equipment and hood system. No digging, earthwork, boring, or tunneling are anticipated to be necessary for the proposed project. No land or easement acquisition is proposed for this project. There is no anticipated ground disturbance or tree/vegetation removal required.

A hazardous materials assessment for asbestos-containing materials, lead-based paint, and mold has been completed. Mold remediation recommendations in the report included: repair roofing materials, remove and dispose of all porous items and all HVAC units and metal ducting throughout building, professionally clean and sanitize all remaining surfaces in building, and hire a trained mold remediation contractor to perform recommendations 2 through 4 following US EPA protocol 402-K-01-001-Mold Remediation in Schools and Commercial Buildings. Lead-based paint and asbestos-containing materials (ACM) were also identified in samples at the subject building. The Hazardous Materials Assessment Report is included in **Attachment 4**.

It is anticipated that the proposed project will benefit approximately 330 low- and moderate-income households in the Engelhard area. The Davis Ventures Corporation, a non-profit community development organization, under a lease arrangement with Hyde County, operates community services at the Subject Property. These services include, in the subject building, a community-use incubator kitchen and banquet facility along with the Davis Youth Recreation and Community Center. With the necessary repairs, the Davis Ventures Community Center would be able to continue to safely provide youth recreational activities; youth awareness programs; general education development (GED) classes; after-school programming; services to families dealing with behavioral, emotional and mental challenges; meeting space for response to needs after disasters, fitness center for all ages, including seniors; and a location for non-profit sponsored events. The building's current photographs are included in **Attachment 3** for your review.

We have determined that the project will have "No Adverse Effect" pursuant to 36 CFR 800.5 based on the following:

A review of the Subject Property in the National Register of Historic Places, North Carolina State Historic Preservation Office's (SHPO) HPOWEB, and during a site visit identified publicly recorded historic properties which are locally designated or listed in or eligible for inclusion in the State or National Register of Historic Places located on or adjacent to the Subject Property. The Davis Ventures Community Center, formerly known as the Davis School, was placed on the North Carolina Study List in 2021, noted as National Register Eligible, and Approved for National Register listing by the National Register Advisory Committee (NRAC) on February 9, 2023, and listed on April 17, 2023. The Davis School was originally constructed as a school for African-American students circa 1953 with additions constructed in 1964 (gymnasium) and 1971 (cafeteria/ kitchen). The Engelhard Ridge School, a 1923 frame 3-room Rosenwald School, used to be on the Subject Property but was demolished before 1984. Additionally, the Anson Gibbs House II (surveyed only - SO) is located less than 0.25-mile to the north, Northan-Marshall House (SO) and (former) Northan School (SO) are located about 0.50-mile to the south, and Carroll Mann Farm (SO) and Spencer-Davis House (SO) are located about 0.50-mile to the south of the Subject Property. Approximately 0.75-mile from the Subject Property are the Baum-

Fulford House (SO) to the north, and the NR-listed Wynne's Folly, circa 1840s Greek Revival 2-story frame house to the south. See **Attachment 2**: Proposed Project NRHP and NC HPOWEB Maps, NRHP Designation Letter, and NRHP Nomination Package. The building's current photographs are included in **Attachment 3**.

Rehabilitation work on the historic buildings in the APE will meet the Secretary of the Interior's Standards for Rehabilitation *whenever practicable*. Due to the current condition of the damaged roof, mold, and water damage, this rehabilitation project is *critical* to prevent further and complete destruction of the building during future storm events. The Design Plans are included in **Attachment 1**. We have reviewed the Criteria of Adverse Effect and have determined that none apply to the activities that will be carried out in this project. Preservation and rehabilitation, and repair, stabilization, hazardous material remediation will be consistent with the Secretary's standards for the treatment of historic properties (36 CFR part 68) and applicable guidelines *whenever practicable*. NCORR and Hyde County will remain responsible for ensuring successful implementation of any applicable required conditions.

Attached for your review are copies of relevant documents supporting our finding, along with photographs and a map showing the location of the Subject Property. Attached for your review are copies of relevant documents supporting our finding, including property maps, design plans, NRHP Designation Letter, and NRHP Nomination Package, and current photographs. This documentation satisfies requirements set forth at §800.11(e).

NCORR processes environmental reviews for proposed projects funded with HUD CDBG-DR on a case-by-case basis. According to the When To Consult With Tribes Under Section 106 Checklist, there is no need to consult with the Catawba Indian Nation for this non-ground disturbing, rehabilitation project. Additionally, the Catawba Indian Nation has stated that they do not need to review such projects to NCORR. In accordance with Section 101(d)(6)(B) of the NHPA of 1966, as amended (16 U.S.C. 470f), and its implementing regulations, 36 CFR Part 800, this letter serves as notification of the proposed action.

NCORR respectfully requests your review of the proposed project described herein. In accordance with §800.5(c), your office has thirty days to object to this finding. Please respond within this timeframe, otherwise we will assume that you concur with our finding.

If you have any questions or require additional information regarding this request, please feel free to contact Andrea Gievers at (845) 682-1700 or via email at Andrea.L.Gievers@Rebuild.NC.gov. Thank you for your time and assistance.

Sincerely,



Andrea Gievers, JD, MSEL, ERM
NCORR Environmental Subject Matter Expert

Proposed Project Enclosures:

Attachment 1: Proposed Project Location and Design Plans

Attachment 2: Proposed Project NRHP and NC HPOWEB Maps, NRHP Designation Letter, and NRHP Nomination Package

Attachment 3: Subject Property Current Photographs

Attachment 4: Hazardous Materials Assessment Report

Davis Ventures Community Center Project

Concurrence:

State Historic Preservation Officer

Date

Section 106 ATTACHMENT 1:

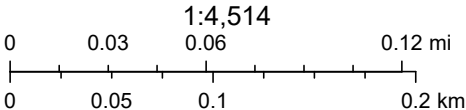
**Proposed Project Location and
Design Plans**

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center



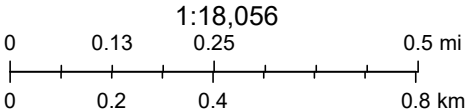
Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph,

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center



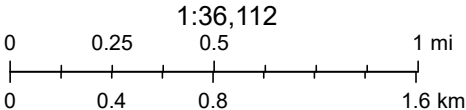
Esri Community Maps Contributors, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA,

Davis Ventures Community Center



September 26, 2022

 Davis Ventures Community Center



State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,

Hyde County Davis Ventures Community Center Project – Parcel Map

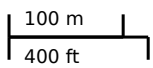
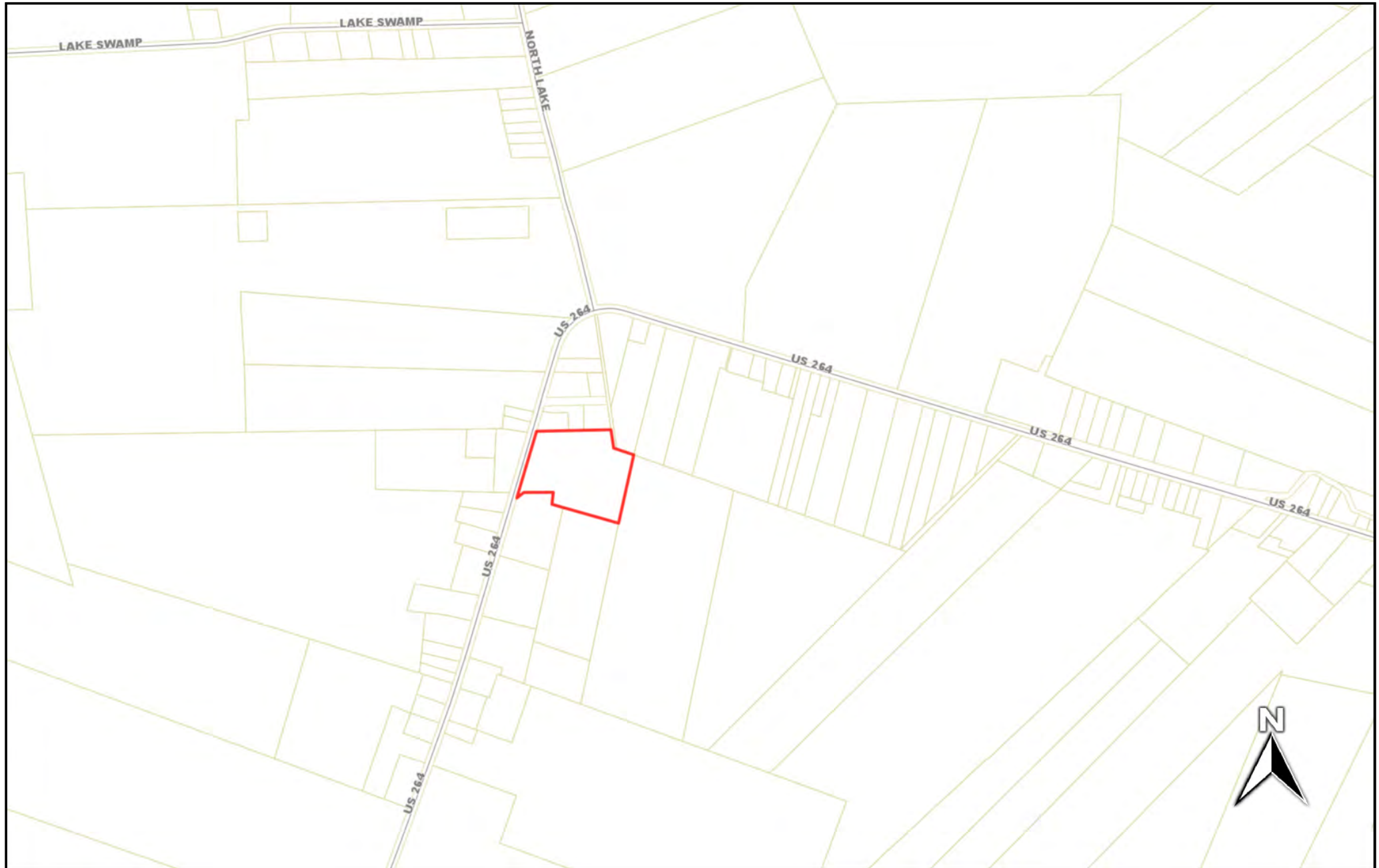


33478 U.S. 264, Engelhar

Basemap Imagery Draw Erase Save Session Tools More Data



Hyde County Davis Ventures Community Center Project



Aug/10/2022
Scale 1:6626

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#

10

RECORD	CARD	PIN	MAP NUMBER
13444	1	8685-63-0956	R7 124

OWNER INFORMATION

HYDE COUNTY

PHYSICAL 911 ADDRESS

33480 US 264 HWY

DBA

LEGAL DESCRIPTION

LOT & BLDGS
DAVIS SCHOOL PROPERTY

NOTES



SALES INFORMATION

DATE	AMOUNT	CODE
------	--------	------

LEGAL INSTRUMENTS

DATE	TYPE	BOOK/PAGE
1/1/2000	D	174 104

TOTAL ACRES	RSMS	CSMS	C & D	% INT	HSQFT
8.662	1	0	100%	0%	18,200

LISTED	REVIEWED	REVISIT	APPEALS
TWT 10/14/2015	MR 1/11/2009		

BUILDING INFORMATION

CONSTRUCTION STYLE	EXEMPT	COND	ROOMS	BDRMS		
SPECIAL	Y	A				
YR BLT	EFF YR	REM YR	DEP %	DEPOVR	FUN OBS	ECO OBS
1950	1970		28%			

PLUMBING		FIREPLACES	
FXTURE	COUNT	TYPE	COUNT
3FXBTH	7		
XTRFIX	1		
OPENINGS			

BUILDING PROPERTIES

FOUNDATION	ROOF TYPE/MATERIAL	WALL FINISH	FLOOR FINISH	FUEL TYPE
CONCRETE REINFLAT	TAR & GRVL	UNFINISHED PAINTD BLK	CONCRETE TILE	OIL

BUILDING BUILT INS, BASEMENTS, ATTICS & SUB SECTIONS

TYPE	GRADE	NOTES	QTY/SIZE	RPCN	% COMP

A.0 61 SR100U15R80U10R10U50L20U45L40D50L130D70.
B.0 56 U70R130U50R40D45SR85U50L85D50.

Total Built Ins, Plumbing & Fireplace Value **\$29,300**

PRINT DATE	LAST SAVED	BUILDING VALUE SUMMARY	
4/11/2018	10/16/2015	RPCN	\$1,221,990
		DEP 28%	\$879,833
		RCLND	\$342,157
		OB3 F/E	\$0
		LCF 85%	\$290,834

BUILDING SECTIONS

SEC#	TYPE	GRADE	EXT FIN	HEAT	AIR	SHGT	SQFT	WHGT	E YEAR	RPCN	DEP	% COMP
A.0	61 TYPICAL OFFICE	C	BRKVR	C-HEAT	C-AIR	1.00	13,950	1	1970	\$829,362	28%	100%
B.0	56 GYMNASIUM	C	BRKVR	C-HEAT	C-AIR	1.00	4,250	30	1970	\$363,327	28%	100%

PARCEL SUMMARY

TOTAL BLDG VALUE	\$447,790
LAND VALUE	\$144,829
OBLDG VALUE	\$13,000
APPRAISED VALUE	\$605,619
DEFERRED VALUE	\$0

Building Replacement Cost New **\$1,221,990**

TAXABLE VALUE **\$605,618**



LAKE LANDING - REVAMP'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swain Quarter, NC 27885

ACCOUNT#

10

TOPO

STREET

LAND PROPERTIES

UTILITIES

ZONING

NBHD

TRACT

RECORD

CARD

PIN

MAP NUMBER

13444

1

8685-63-0956

R7 124

PAVED

WELL

3

3

0.0000

SEP SYS

ELECTR

LEVEL

OWNER INFORMATION

LAND NOTES

HYDE COUNTY

LAND

CLASS	METHOD	SIZE	DEPTH	BASE RATE	ADJ	ADJ RATE	SZ ADJ TBL	USE TYPE	USE VALUE	MARKET VALUE
2 P BLDG SITE	ACRE	8.662		\$22,000		\$16,720			\$144,829	\$144,829

Total Acres **8.66** \$ / Acre **\$16,720** Land Use Value **\$144,829** Land Value **\$144,829**

OUT BUILDINGS/OTHER IMPROVEMENTS

NUM	TYPE	GRADE	YEAR	COND	NOTES	STHGT	LENGTH X WIDTH	AREASZ	RATE	DEP	VALUE	% COMP
1.	96 FENCE/CH LK							SF			\$3,000	
2.1	97 ASPHALT	C		A		1	1 X 10030	10030 SF		0.60	\$5,000	100%
3.1	47 SHELTER				INCLUDES RESTROOMS			SF			\$5,000	

Total Parcel Out Building & Other Improvements Value **\$13,000**

PREVIOUS VALUES	PARCEL SUMMARY	
\$262,375	TOTAL BLDG VALUE	\$447,790
\$144,829	LAND VALUE	\$144,829
\$5,600	OBLDG VALUE	\$13,000
\$412,804	APPRAISED VALUE	\$605,619
\$0	DEFERRED VALUE	\$0
\$426,620	TAXABLE VALUE	\$605,618

LAKE LANDING - REVAL'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swain Quarter, NC 27885

ACCOUNT#

10

RECORD	CARD	PIN	MAP NUMBER
13444	2	8685-63-0956	R7 124

OWNER INFORMATION

HYDE COUNTY

PHYSICAL 911 ADDRESS

33480 US 264 HWY

DBA

LEGAL DESCRIPTION

LOT & BLDGS
DAVIS SCHOOL PROPERTY

NOTES

TOTAL ACRES	RSMS	CSMS	C & D	% INT	HSQFT
8.662	1	0	100%	0%	10,350

LISTED	REVIEWED	REVISIT	APPEALS
TWT 10/14/2015	MR 1/11/2009		

BUILDING INFORMATION

CONSTRUCTION STYLE	EXEMPT	COND	ROOMS	BDRMS		
SPECIAL	Y	A				
YR BLT	EFF YR	REM YR	DEP %	DEPOVR	FUN OBS	ECO OBS
1950	1970		28%			

BUILDING PROPERTIES

FOUNDATION	ROOF TYPE/MATERIAL	WALL FINISH	FLOOR FINISH	FUEL TYPE
CONCRETE REINFORCABLE	METAL	UNFINISHED PAINTD BLK	CONCRETE TILE	OIL

BUILDING BUILT INS, BASEMENTS, ATTICS & SUB SECTIONS

TYPE	GRADE	NOTES	QTY/SIZE	RPCN	% COMP
------	-------	-------	----------	------	--------

Total Built Ins, Plumbing & Fireplace Value **\$12,000**

BUILDING SECTIONS

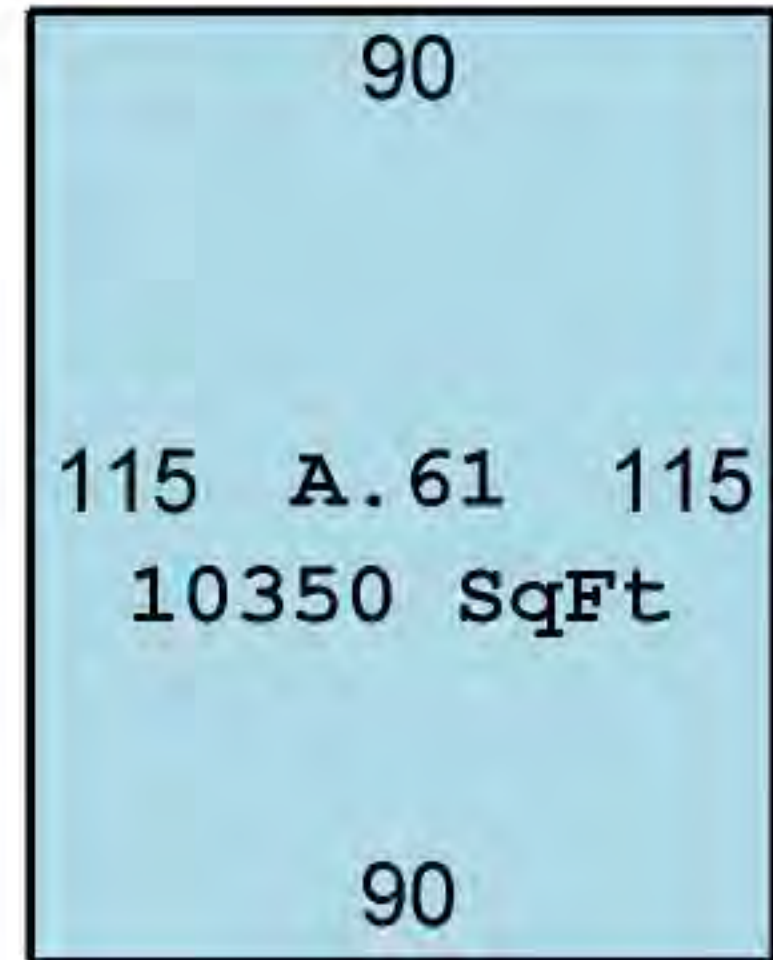
SEC#	TYPE	GRADE	EXT FIN	HEAT	AIR	SHGT	SQFT	W/HGT	E YEAR	RPCN	DEP	% COMP
A.0	61 TYPICAL OFFICE	C	BRKVR	C-HEAT	C-AIR	1.00	10,350	1	1970	\$615,333	28%	100%

PARCEL SUMMARY

TOTAL BLDG VALUE	\$447,790
LAND VALUE	\$144,829
OBLDG VALUE	\$13,000
APPRAISED VALUE	\$605,619
DEFERRED VALUE	\$0

Building Replacement Cost New **\$627,333**

TAXABLE VALUE **\$605,618**



A.0 61 SR90U115L90D115.

PRINT DATE	LAST SAVED
4/11/2018	10/16/2015

BUILDING VALUE SUMMARY

RPCN	\$627,333
DEP 28%	\$451,680
RCLND	\$175,653
OBS F/E	\$0
LCF 85%	\$149,305

LAKE LANDING - REVAMP'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#		TOPO	STREET	UTILITIES	ZONING	NBHD	TRACT
10			PAVED	WELL	3	3	0.0000
RECORD	CARD	PIN	MAP NUMBER	LEVEL			
13444	2	8685-63-0956	R7 124	SEP SYS ELECTR			

OWNER INFORMATION

HYDE COUNTY

LAND NOTES

LAND										
CLASS	METHOD	SIZE	DEPTH	BASE RATE	ADJ	ADJ RATE	SZ ADJ TBL	USE TYPE	USE VALUE	MARKET VALUE
Total Acres 8.66 \$ / Acre \$16,720 Land Use Value \$144,829 Land Value \$144,829										

OUT BUILDINGS / OTHER IMPROVEMENTS												
NUM	TYPE	GRADE	YEAR	COND	NOTES	STHGT	LENGTH X WIDTH	AREASIZE	RATE	DEP	VALUE	% COMP
Total Parcel Out Building & Other Improvements Value \$13,000												

PREVIOUS VALUES	PARCEL SUMMARY	
\$262,375	TOTAL BLDG VALUE	\$447,790
\$144,829	LAND VALUE	\$144,829
\$5,600	OBLDG VALUE	\$13,000
\$412,804	APPRAISED VALUE	\$605,619
\$0	DEFERRED VALUE	\$0
\$426,620	TAXABLE VALUE	\$605,618

LAKE LANDING - REVAL'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#

10

RECORD	CARD	PIN	MAP NUMBER
13444	3	8685-63-0956	R7 124

OWNER INFORMATION

HYDE COUNTY

PHYSICAL 911 ADDRESS

33480 US 264 HWY

DBA

LEGAL DESCRIPTION

LOT & BLDGS
DAVIS SCHOOL PROPERTY

NOTES

TOTAL ACRES	RSMS	CSMS	C & D	% INT	HSQFT
8.662	1	0	100%	0%	2,128

LISTED	REVIEWED	REVISIT	APPEALS
TWT 10/14/2015	MR 1/11/2009		

BUILDING INFORMATION

CONSTRUCTION STYLE	EXEMPT	COND	ROOMS	BDRMS		
DOUBLE WIDE	Y	A				
YR BLT	EFF YR	REM YR	DEP %	DEPOVR	FUN OBS	ECO OBS
1984	1984		12%			

BUILDING PROPERTIES

FOUNDATION	ROOF TYPE/MATERIAL	WALL FINISH	FLOOR FINISH	FUEL TYPE
BRICK	GABLE COMP SHGLS	PANEL	SOFTWOOD TITLE	GAS

BUILDING BUILT INS, BASEMENTS, ATTICS & SUB SECTIONS

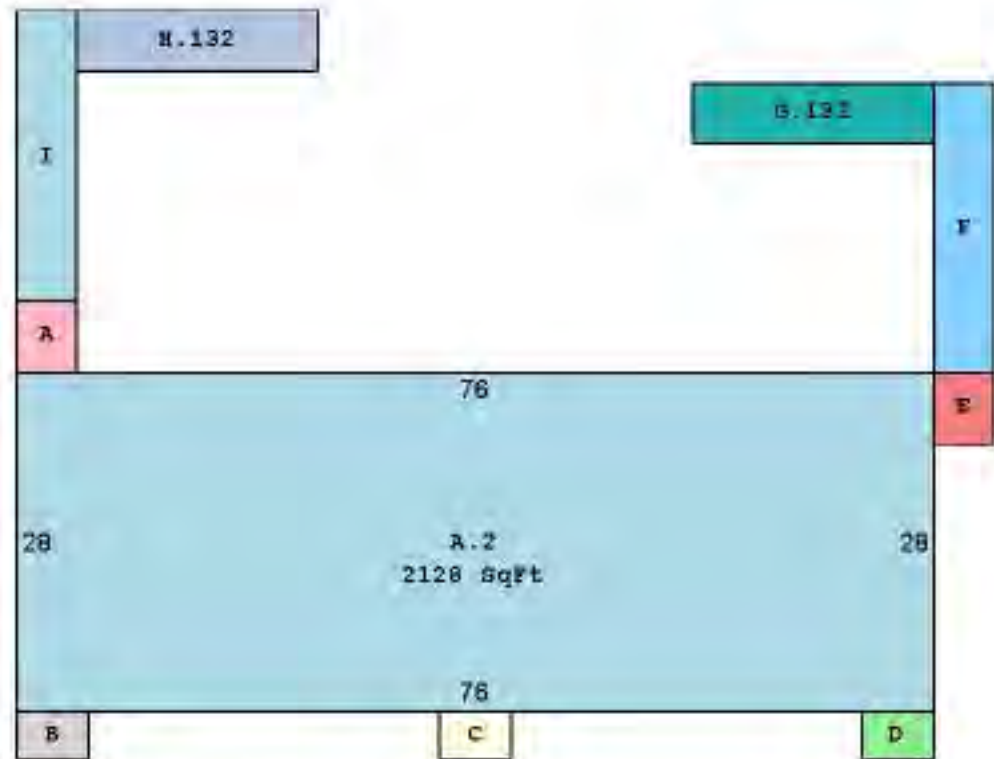
TYPE	GRADE	NOTES	QTY/SIZE	RPCN	% COMP

Total Built Ins, Plumbing & Fireplace Value **\$4,200**

BUILDING SECTIONS

SEC#	TYPE	GRADE	EXT FIN	HEAT	AIR	SHGT	SQFT	W/HGT	E YEAR	RPCN	DEP	% COMP
A.0	2MFH DW MOB HOME	D	SDOSH	C-HEAT	C-AIR	1.00	2,128	1	1984	\$65,452	12%	100%
B.0	112WOOD DECK	D				1.00	24	1	1984	\$201	12%	100%
C.0	112WOOD DECK	D				1.00	24	1	1984	\$201	12%	100%
D.0	112WOOD DECK	D				1.00	24	1	1984	\$201	12%	100%
E.0	112WOOD DECK	D				1.00	30	1	1984	\$251	12%	100%
F.0	132RAMP	D				1.00	120	1	1984	\$1,154	12%	100%
G.0	132RAMP	D				1.00	100	1	1984	\$962	12%	100%
H.0	132RAMP	D				1.00	100	1	1984	\$962	12%	100%
I.0	132RAMP	D				1.00	120	1	1984	\$1,154	12%	100%
A.0	112WOOD DECK	D				1.00	30	1	1984	\$251	12%	100%

Building Replacement Cost New **\$74,988**



- A.0 2 SR76U28L76D28.
- A.0 112 U28SR5U6L5D6.
- B.0 112 SD4R6U4L6.
- C.0 112 R35SD4R6U4L6.
- D.0 112 R70SD4R6U4L6.
- E.0 112 R76U22SR5U6L5D6.
- F.0 132 R76U28SR5U24L5D24.
- G.0 132 U28R76U19SU5L20D5R20.
- H.0 132 U58R5SD5R20U5L20.
- I.0 132 U34SR5U24L5D24.

PRINT DATE	LAST SAVED
4/11/2018	10/16/2015

BUILDING VALUE SUMMARY	
RPCN	\$74,988
DEP 12%	\$65,990
RCLND	\$8,999
OBS F/E	\$0
LCF 85%	\$7,649

PARCEL SUMMARY	
TOTAL BLDG VALUE	\$447,790
LAND VALUE	\$144,829
OBLDG VALUE	\$13,000
APPRAISED VALUE	\$605,619
DEFERRED VALUE	\$0

TAXABLE VALUE **\$605,618**

LAKE LANDING - REVAMP'D 2017

Hyde County, North Carolina

Tax Administrator, PO Box 279, Swan Quarter, NC 27885

ACCOUNT#

10

TOPO

STREET

LAND PROPERTIES

UTILITIES

ZONING

NBHD

TRACT

RECORD

CARD

PIN

MAP NUMBER

13444

3

8685-63-0956

R7 124

PAVED

WELL

3

3

0.0000

SEP SYS

ELECTR

LEVEL

OWNER INFORMATION

LAND NOTES

HYDE COUNTY

LAND

CLASS	METHOD	SIZE	DEPTH	BASE RATE	ADJ	ADJ RATE	SZ ADJ TBL	USE TYPE	USE VALUE	MARKET VALUE
Total Acres 8.66 \$ / Acre \$16,720 Land Use Value \$144,829 Land Value \$144,829										

OUT BUILDINGS / OTHER IMPROVEMENTS

NUM	TYPE	GRADE	YEAR	COND	NOTES	STHGT	LENGTH X WIDTH	AREASIZE	RATE	DEP	VALUE	% COMP
Total Parcel Out Building & Other Improvements Value \$13,000												

PREVIOUS VALUES	PARCEL SUMMARY	
\$262,375	TOTAL BLDG VALUE	\$447,790
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\$0	DEFERRED VALUE	\$0
\$426,620	TAXABLE VALUE	\$605,618

LAKE LANDING - REVAL'D 2017

Davis Ventures Community Center Project – Photo from NRAC Meeting 2/9/23



DAVIS VENTURES BUILDING

75% CONSTRUCTION DOCUMENTS

BEHIND 33460 US-264
ENGLEHARD, NC 27824



114 E. 3RD STREET
GREENVILLE, NC 27858
P. 252.270.5330
www.INTREPIDarchitecture.com

**DAVIS VENTURES
COMMUNITY CENTER**
ROOF & BUILDING REPAIRS
33560 US-264 (BEHIND)
ENGLEHARD, NC 27824

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#	DESC.	DATE

DRAWN BY: DJH
PROJECT #: 20014
ISSUE DATE: 04/06/2023
PHASE:
75% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER
VICINITY MAP, DRAWING INDEX, ABBREVIATIONS, & GENERAL NOTES

G1.01

CEILING SYMBOLS

CEILING ROOM TAG

CEILING TYPE **CEILING HEIGHT**

PAINTED GYP. BD. REFER TO TAG FOR TYPE AND ELEVATION

CEILING GRID REFER TO TAG FOR TYPE AND ELEVATION

MECHANICAL RETURN

MECHANICAL SUPPLY

MECHANICAL EXHAUST

EMERGENCY EXIT SIGN

2X4 LIGHTING FIXTURE

2X2 LIGHTING FIXTURE

RECESSED CAN LIGHT

LINEAR LIGHT

FIRE ALARM

HEAT DETECTOR

SMOKE DETECTOR

SPEAKER

SPRINKLER HEAD

DATUM TAG

ELEV. AFF

CEILING MATERIAL

FINISH SYMBOLS

ROOM FINISH TAG

FLOOR MATERIALS/FINISH LEGEND

C CARPET
VCT VINYL COMPOSITION TILE
CT CERAMIC TILE
PT PAVER TILE
EC EXPOSED CONCRETE, SEALED
LVT LUXURY VINYL TILE
EX EXPOSED

BASE MATERIALS/FINISH LEGEND

RB RUBBER BASE
PW PAINTED WOOD
SW STAINED WOOD
CTB CERAMIC TILE BASE

WALL MATERIALS/FINISH LEGEND

PM PAINTED MASONRY
PT PAINTED
VW VINYL WALL COVERING
CT CERAMIC TILE GLAZED WALL
E EXPOSED CONSTRUCTION, UNPAINTED
EP EXPOSED CONSTRUCTION, PAINTED
ES EXPOSED STEEL, UNPAINTED
PS EXPOSED STEEL, PAINTED
PGB PAINTED GYPSUM BOARD

CEILING MATERIALS/FINISH LEGEND

ACT ACOUSTICAL PANEL CEILING
GYP PAINTED GYPSUM BOARD
EX EXPOSED CONSTRUCTION, UNPAINTED
EP EXPOSED CONSTRUCTION, PAINTED
VAR VARIES, HEIGHT
MSP FIBER CEMENT BOARD SOFFIT PANEL - PERFORATED
WD WOOD-LOOK METAL SOFFIT PANELING

*NOTE REGARDING ALL FINISH TAGS - IF DESIGNATION IS FOLLOWED BY NUMERAL, DENOTES SPECIFIC MATERIAL TYPE WITHIN CATEGORY (REFER TO FINISH SCHEDULE)

GENERAL SYMBOLS

WALL TYPE TAG

DEMO KEY NOTE

PLAN KEY NOTE

DOOR TAG

CENTER LINE

POWER OUTLET

FLOOR DRAIN

THERMOSTAT

CONTROL JOINT

SLOPE ARROW

OPENING TAG

FRAME TYPE

FRAME ELEVATION

REFER TO OPENING SCHEDULE & FRAME ELEVATIONS

FIRE EXTINGUISHER CABINET

PLAN

ELEVATION

EMERGENCY WALL LIGHT

PLAN

ELEVATION

SPRINKLER VALVE CABINET

PLAN

ELEVATION

ROOM TAG

ROOM NAME

ROOM NUMBER

ROOM NSF

OCCUPANCY TAG

OCCUPANCY GROUP

AREA OF OCCUPANCY

OCCUPANT LOAD

AREA DESIGNATION

GRID LINE + BUBBLE

LEVEL LINE

LEVEL NAME

HEIGHT ABOVE LEVEL 1 (LEVEL 1 = 0'-0" UNO.)

VIEW TYPES:

DETAIL VIEW/ ENLARGED VIEW

BUILDING SECTION

WALL SECTION

EXTERIOR ELEVATION

INTERIOR ELEVATION

REVISION TAG AND CLOUD

REFER TO REVISION SCHEDULE FOR ISSUE DATE AND REVISION INFORMATION

View Name

VIEW TITLE

VIEW SCALE

VIEW NUMBER

ARCHITECTURAL ABBREVIATIONS

ACT ACOUSTICAL CEILING TILE
ADA AMERICANS WITH DISABILITIES ACT OF 1992
ADJ. ADJACENT
AFF ABOVE FLOOR FINISH
AFG ABOVE FINISHED GRADE
ARA AREA OF RESCUE ASSISTANCE
BRD BOARD
B/W BETWEEN
BOF BOTTOM OF FOOTING
BOT BOTTOM
CAN CANOPY
CI CAST IRON
CPT CARPET
CLG. HT. CEILING HEIGHT
CL CENTER LINE
CMU CONCRETE MASONRY UNIT
CO CLEAN OUT
COL COLUMN
CONC. CONCRETE
CONT. CONTINUOUS
CRS CHAIN ROLLER SHADE
DIA DIAMETER
DIM DIMENSION
DN DOWN
DO DOOR OPENING
DS DOWNSPOUT
DWG. DRAWINGS
EA EACH
EC ELECTRICAL CONTRACTOR
EJ EXPANSION JOINT
ELEC. ELECTRICAL
EQ EQUAL
EXIST EXISTING
EXP EXPOSED
EXT EXTERIOR
FACP FIRE ALARM CONTROL PANEL
FCU FAN COIL UNIT
FD FLOOR DRAIN
FFE FINISHED FLOOR ELEVATION
GYP GYPSUM
GC GENERAL CONTRACTOR
HB HOSE BIB
HDW HARDWARE
HLB HORIZONTAL LOUVER BLIND
HM HOLLOW METAL
HT HEIGHT
HVAC HEAT, VENTILATION & AIR CONDITIONS
HWC HOLLOW CORE WOOD DOOR
INSUL INSULATION
INT INTERIOR
LVL LAMINATED VENEER LUMBER
LVT LUXURY VINYL TILE
MAX MAXIMUM
MANUF MANUFACTURER
MECH. MECHANICAL
MIN. MINIMUM
MO MASONRY OPENING
MRS MOTORIZED ROLLER SHADE
N.I.C. NOT IN CONTRACT
N.T.S. NOT TO SCALE
O.C. ON CENTER
O.P.C.I. OWNER PROVIDED CONTRACTOR INSTALLED
OPP. OPPOSITE
PLAM PLASTIC LAMINATE
PLYVD PLYWOOD
PGB PAINTED GYPSUM BOARD
PT PAINT
RB RUBBER BASE
RD ROOF DRAIN
REINF REINFORCED
REQD REQUIRED
RM ROOM
RO ROUGH OPENING
SAB SOUND ABATING BATTING
SD SMOKE DETECTOR
SF SQUARE FEET
SIM SIMILAR
SPECS SPECIFICATIONS
SS STAINLESS STEEL
STD STANDARD
STL STEEL
STRUCT STRUCTURAL DRAWINGS
SWC SOLID WOOD CORE DOOR
SY SQUARE YARD
CT CERAMIC TILE
TERM TERMINATION/TERMINATE
THRESH THRESHOLD
T&G TONGUE AND GROOVE
TO TOP OF
TOF TOP OF FOOTING
TOM TOP OF MASONRY
TOP TOP OF PLATE
TOS TOP OF STEEL
TOW TOP OF WALL
TS TRANSITION STRIP
TYP TYPICAL
UNO UNLESS NOTED OTHERWISE
VAR VARIES
VCT VINYL COMPOSITE TILE
WC WATER CLOSET
WB WOOD BASE
WD WOOD
W/ WITH
W/O WITHOUT

PARTITION LEGEND

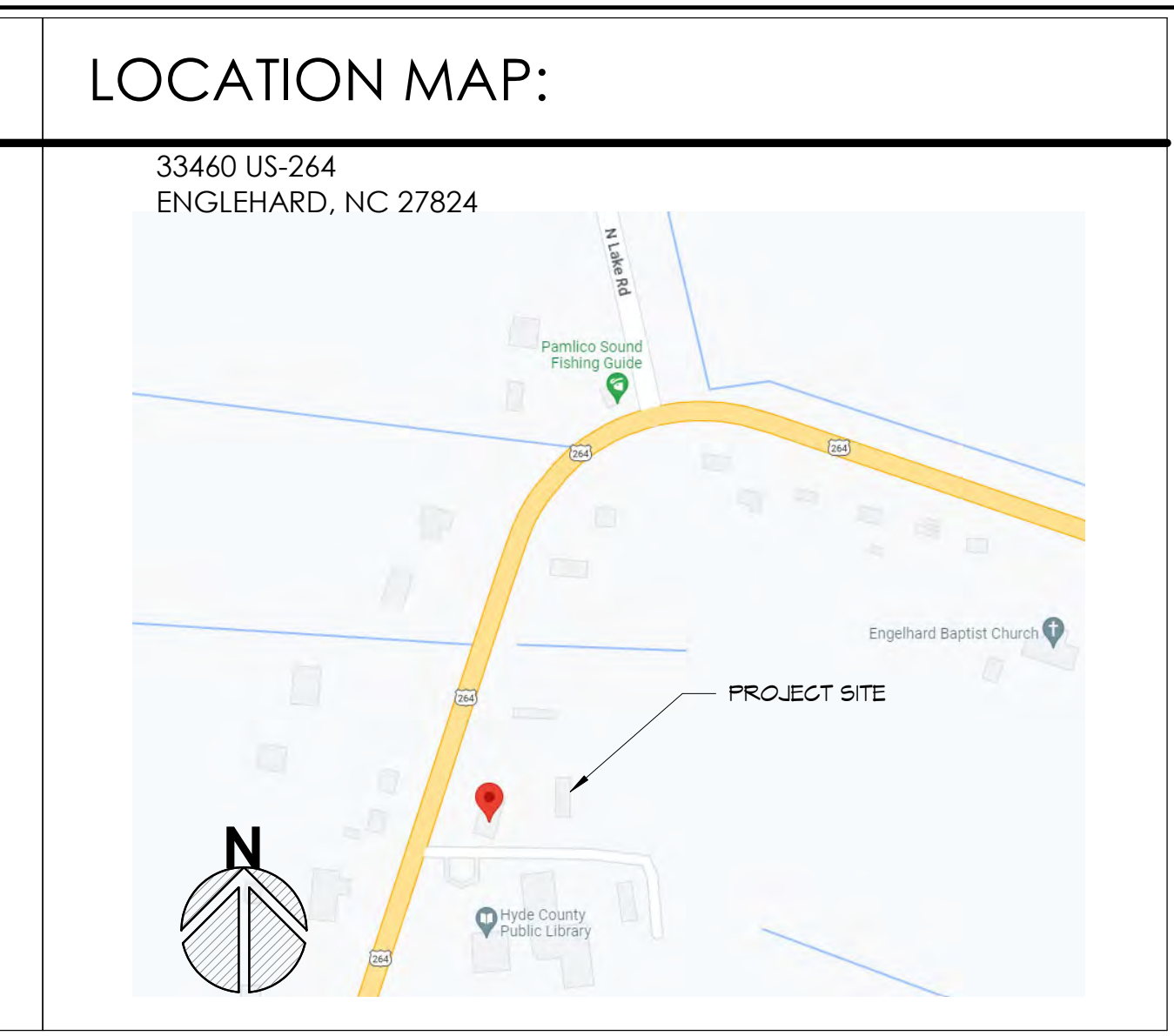
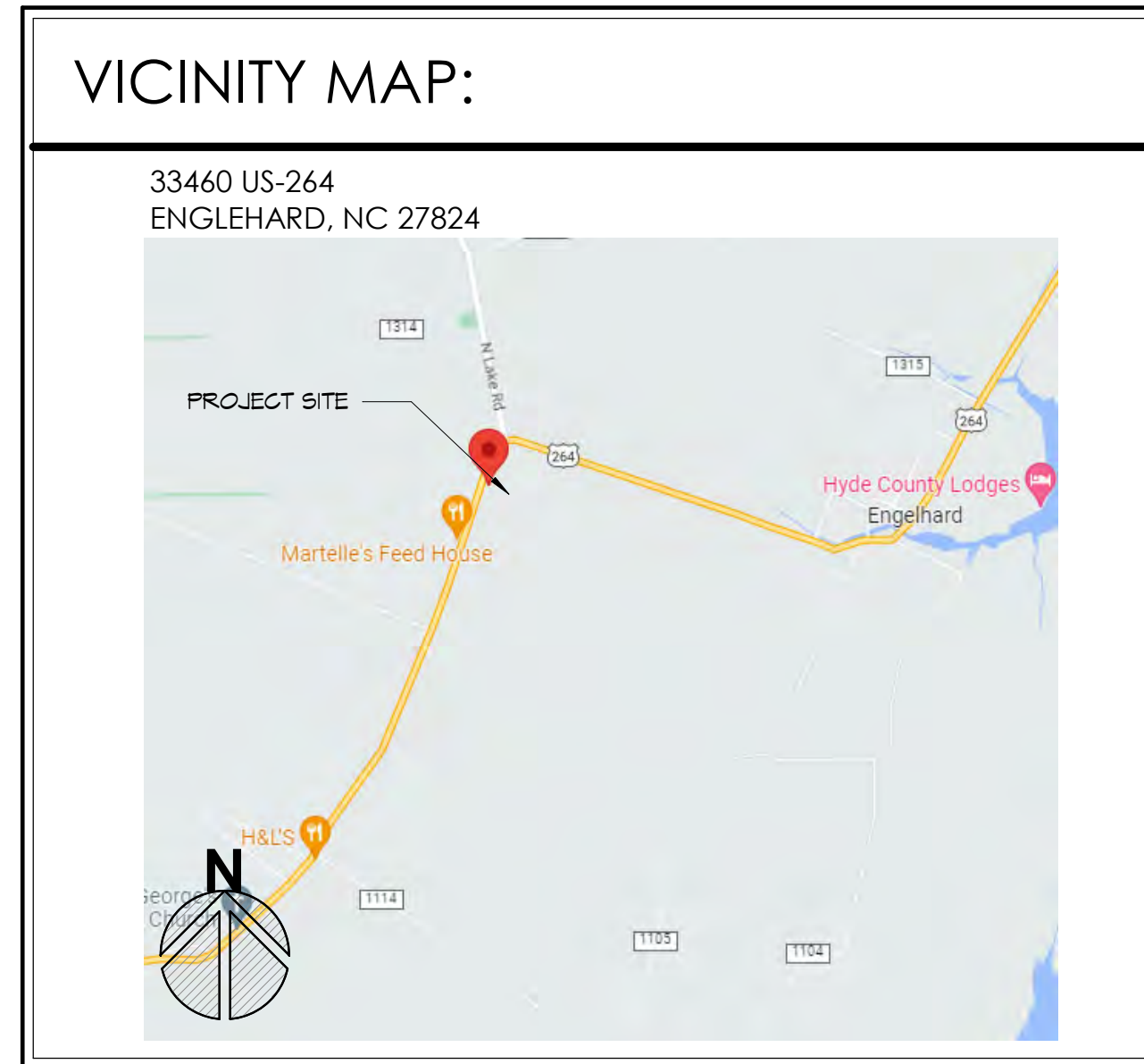
EXISTING PARTITION TO DEMOLISH

EXISTING PARTITION TO REMAIN

UNRATED NEW PARTITION

1-HOUR RATED BARRIER

2-HOUR RATED BARRIER



DRAWING SHEET INDEX

NO	NAME	ISSUED	REVISION:	
			NO	DATE
01 - General				
G1.01	VICINITY MAP, DRAWING INDEX, SYMBOLS, ABBREVIATIONS, & GENERAL NOTES	04/06/2023		
G1.02	BUILDING CODE SUMMARY/APPENDIX B	04/06/2023		
G2.01	LIFE SAFETY PLAN	04/06/2023		
G3.01	GENERAL NOTES & SPECIFICATIONS	04/06/2023		
05 - Architecture				
A0.01	DEMO FLOOR PLAN	04/06/2023		
A0.02	DEMO ROOF PLANS	04/06/2023		
A0.03	DEMO REFLECTED CEILING PLAN	04/06/2023		
A0.04	DEMO EXTERIOR ELEVATIONS	04/06/2023		
A1.01	PROPOSED FLOOR PLAN	04/06/2023		
A1.02	PROPOSED ROOF PLAN	04/06/2023		
A2.01	PROPOSED EXTERIOR ELEVATIONS	04/06/2023		
A5.01	PROPOSED RCP	04/06/2023		
A6.01	WALL SECTIONS & DETAILS	04/06/2023		
A6.02	WALL SECTIONS & DETAILS	04/06/2023		
06 - STRUCTURAL				
S1.1	ROOF FRAMING PLAN & PLAN NOTES	04/06/2023		
S1.2	ROOF FRAMING DETAILS SECTIONS & NOTES	04/06/2023		

**DAVIS VENTURES
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ROOF & BUILDING REPAIRS**
33560 US-264 (BEHIND)
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REVISIONS:

#	DESC.	DATE

DRAWN BY: DJH
PROJECT #: 20014
ISSUE DATE: 04/06/2023

PHASE:
75% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER
LIFE SAFETY PLAN

LIFE SAFETY PLAN SYMBOLS

- COMMON PATH OF TRAVEL DISTANCE = 99'-0"
- DIAGONAL DISTANCE BETWEEN EXITS = 28' - 4"
- MAXIMUM DIAGONAL DISTANCE = 28' - 4"
- TRAVEL DISTANCE = 99'-0"
- DEAD END = 11'-0"

OCCUPANCY TYPE

- BUSINESS
- OCCUPANCY AREA: 150 SF
- OCCUPANCY COUNT (BASED ON TABLE 1004.1.1): 2

★ BUILDING EXIT PH PANIC HARDWARE

○ MAXIMUM EGRESS CAPACITY 170 MAXIMUM EGRESS CAPACITY @ SUITE

◇ ACTUAL EGRESS CAPACITY ○ ACTUAL EGRESS CAPACITY @ SUITE

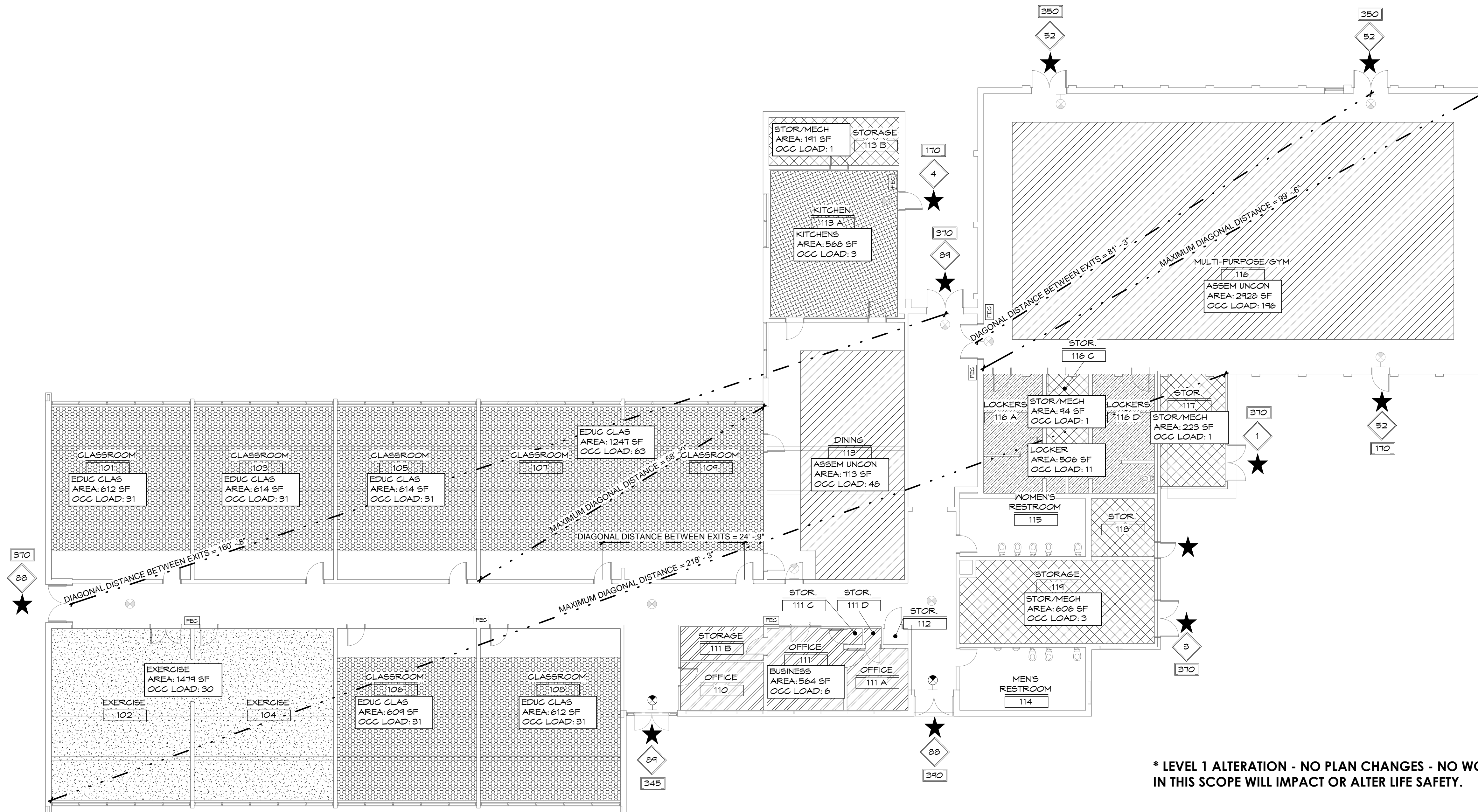
● EXIT SIGN FECE FIRE EXTINGUISHER CABINET

RATED INTERIOR PARTITION LEGEND

- 1-HOUR RATED FIRE BARRIER
- 2-HOUR RATED FIRE BARRIER
- UNRATED PARTITION

OCCUPANCY SUMMARY

AREA PER OCCUPANT (TABLE 1004.1)	CALC OCCUPAN T LOAD
ACCESSORY STORAGE/MECHANICAL	6
ASSEMBLY (UNCONCENTRATED TABLES & CHAIRS, 1/15)	244
BUSINESS (1/100)	6
EDUCATIONAL - CLASSROOM	218
EXERCISE ROOM	30
KITCHEN COMMERCIAL	3
LOCKER ROOM	11
TOTAL	518



* LEVEL 1 ALTERATION - NO PLAN CHANGES - NO WORK IN THIS SCOPE WILL IMPACT OR ALTER LIFE SAFETY.

FIRST FLOOR LIFE SAFETY PLAN ①
3/32" = 1'-0"

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REVISIONS:

#	DESC.	DATE

DRAWN BY: DJH
PROJECT #: 20014
ISSUE DATE: 04/06/2023
PHASE:
75% CONSTRUCTION DOCUMENTS
SHEET NAME & NUMBER
DEMO FLOOR PLAN

DEMO KEY NOTES

D1 – REMEDIATE MOLD AND ABATE ALL HAZARDOUS MATERIALS THROUGHOUT THE BUILDING INCLUDING EXISTING INTERIOR AND EXTERIOR WALLS, FLOOR FINISHES, COMMERCIAL KITCHEN EQUIPMENT, CEILING TILES, DUCT WORK, INTERIOR DOORS, DOOR FRAMES ETC.

D2 – DEMOLISH AND ABATE ROTTEN, DAMAGED AND COLLAPSED AREAS OF THE GABLED ROOF SYSTEM. PREP FOR INSTALLATION OF NEW ROOF FRAMING IN SOME LOCATIONS AS SHOWN, AND NEW ASPHALT SHINGLE ROOFING SYSTEM THROUGHOUT AS SHOWN IN PROPOSED ROOF PLAN. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INSTRUCTIONS AND PROVISIONS.

D3 – DEMOLISH AND ABATE ROTTEN, DAMAGED, AND COLLAPSED AREAS OF ORIGINAL FLAT ROOF WOOD DECKING (BELOW GABLED ROOF). DAMAGE SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS. REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.

D4 – DEMOLISH AND ABATE AS REQUIRED ANY EXISTING ROTTEN AND WATER-DAMAGED WOOD SILL PLATES AND ORIGINAL WOOD DECKING UNDER TRUSSES (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS). REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.

D5 – DEMOLISH SOFFIT PANELS AND FASCIA CLADDING AROUND PERIMETER OF BUILDING. PREP FOR INSTALLATION OF NEW PRE-FINISHED ALUMINUM VENTED SOFFIT PANELS AND PRE-FINISHED ALUMINUM FASCIA CLADDING.

D6 – REMOVE A PORTION OF THE ROOF SHEATHING AS SHOWN ON DEMOLITION ROOF PLANS TO ACCESS THE CONNECTIONS BETWEEN THE GABLE TRUSSES AND THE WALLS BELOW. REMOVE AND REPLACE ANY DAMAGED/ROTTEN WOOD BELOW (SEE DEMO KEY NOTE D4) AND PREP FOR INSTALLATION OF NEW HURRICANE TIES (SEE STRUCTURAL DRAWINGS). REFER TO SPECIFICATIONS SHEET FOR UNIT PRICES AND ALLOWANCES.

D7 – REMOVE PORTION OF DAMAGED ROOF SHEATHING AS REQUIRED. PREP FOR INSTALLATION OF NEW SHEATHING TO MATCH EXISTING ADJACENT. REFER TO SPECIFICATION SHEET FOR UNIT PRICE AND ALLOWANCES.

D8 – DEMOLISH AND ABATE EXISTING CEILING SYSTEM (REFER TO DEMO REFLECTED CEILING PLAN)

D9 – REMOVE AND DEMOLISH EXISTING GYMNASIUM LOUVERS AND PREP FOR INSTALLATION OF NEW LOUVERS AS SCHEDULED.

D10 – REMOVE, STORE, AND PROTECT THE EXISTING COMMERCIAL KITCHEN HOOD SYSTEM AND OTHER COMMERCIAL KITCHEN EQUIPMENT. NO WORK ON EQUIPMENT IS IN THIS CONTRACT. KITCHEN HOOD SHALL BE STORED WITHIN COMMERCIAL KITCHEN SPACE.

D11 – ALL EXISTING MASONRY WALLS TO REMAIN, UNO.

D12 – ALL EXISTING WINDOW ASSEMBLIES TO REMAIN, UNO.

D13 – DEMOLISH EXISTING ASPHALT SHINGLES, ROOF FELTS, ECT. PREP FOR INSTALLATION OF NEW ASPHALT ROOFING SYSTEM AS SPECIFIED.

D14 – DEMOLISH AND ABATE THE EXISTING FLOOR FINISHES THROUGHOUT ENTIRE BUILDING. UNO. EXISTING CONCRETE SLAB ON GRADE TO REMAIN.

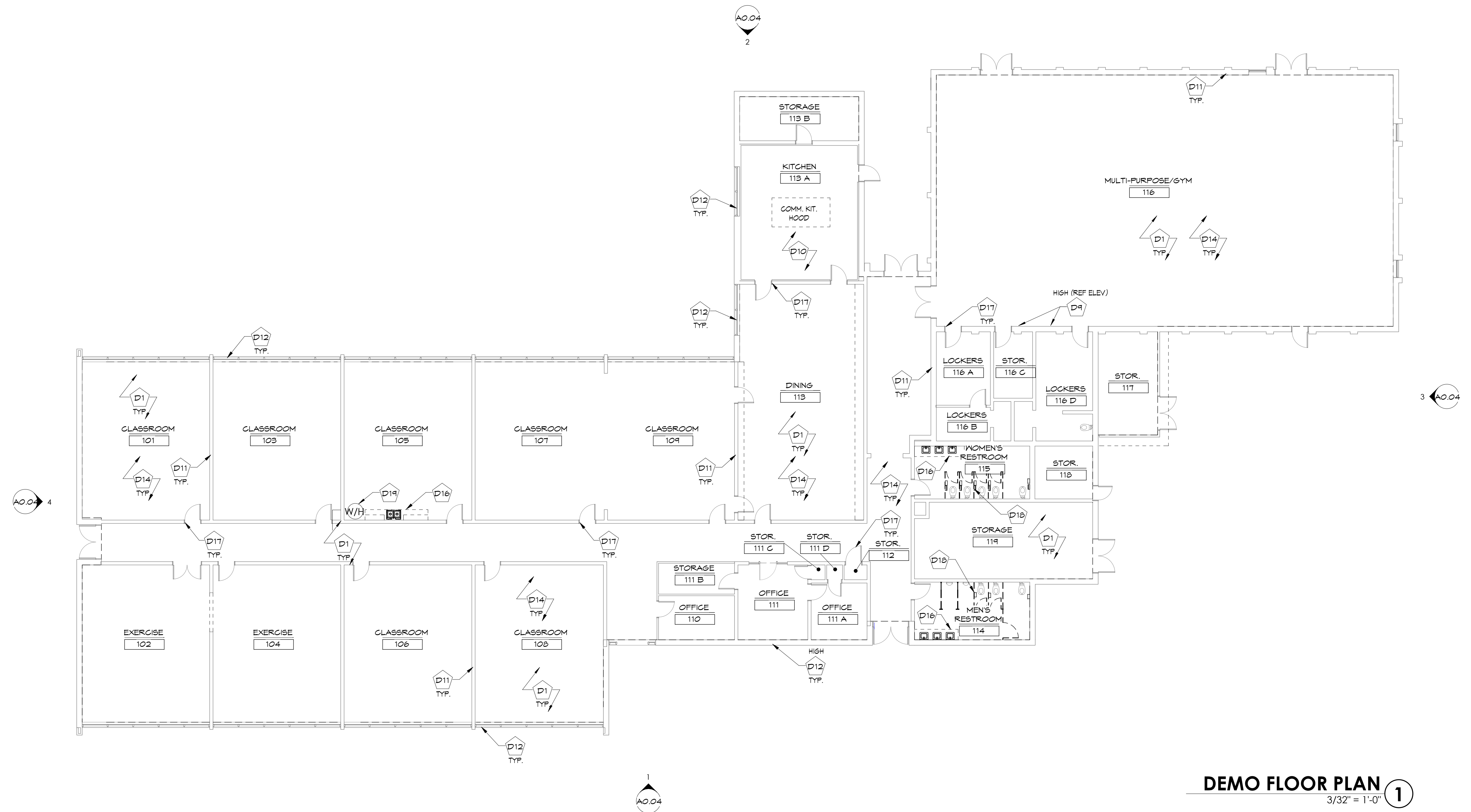
D15 – EXISTING GYMNASIUM ROOF AND STRUCTURE BELOW TO REMAIN. NO WORK.

D16 – REMOVE EXISTING CASEWORK. CAP PLUMBING AT WALL/FLOOR.

D17 – EXISTING DOORS/LOUVERS AND FRAMES TO REMAIN THROUGHOUT BUILDING UNO.

D18 – REMOVE EXISTING BATHROOM PARTITIONS AND RESTROOM ACCESSORIES

D19 – EXISTING WATER HEATER TO REMAIN. NO WORK.



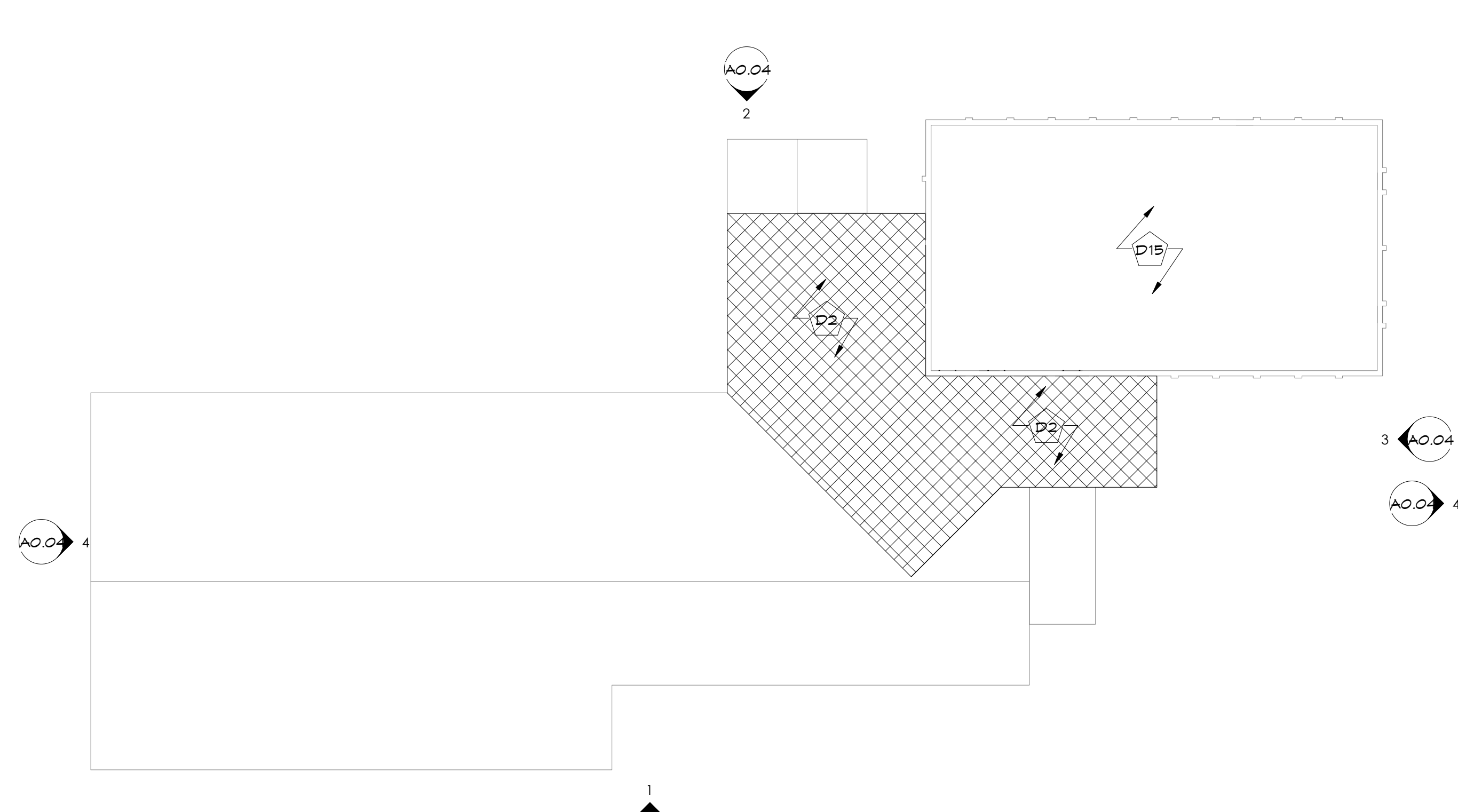
DEMO FLOOR PLAN 1
3/32" = 1'-0"



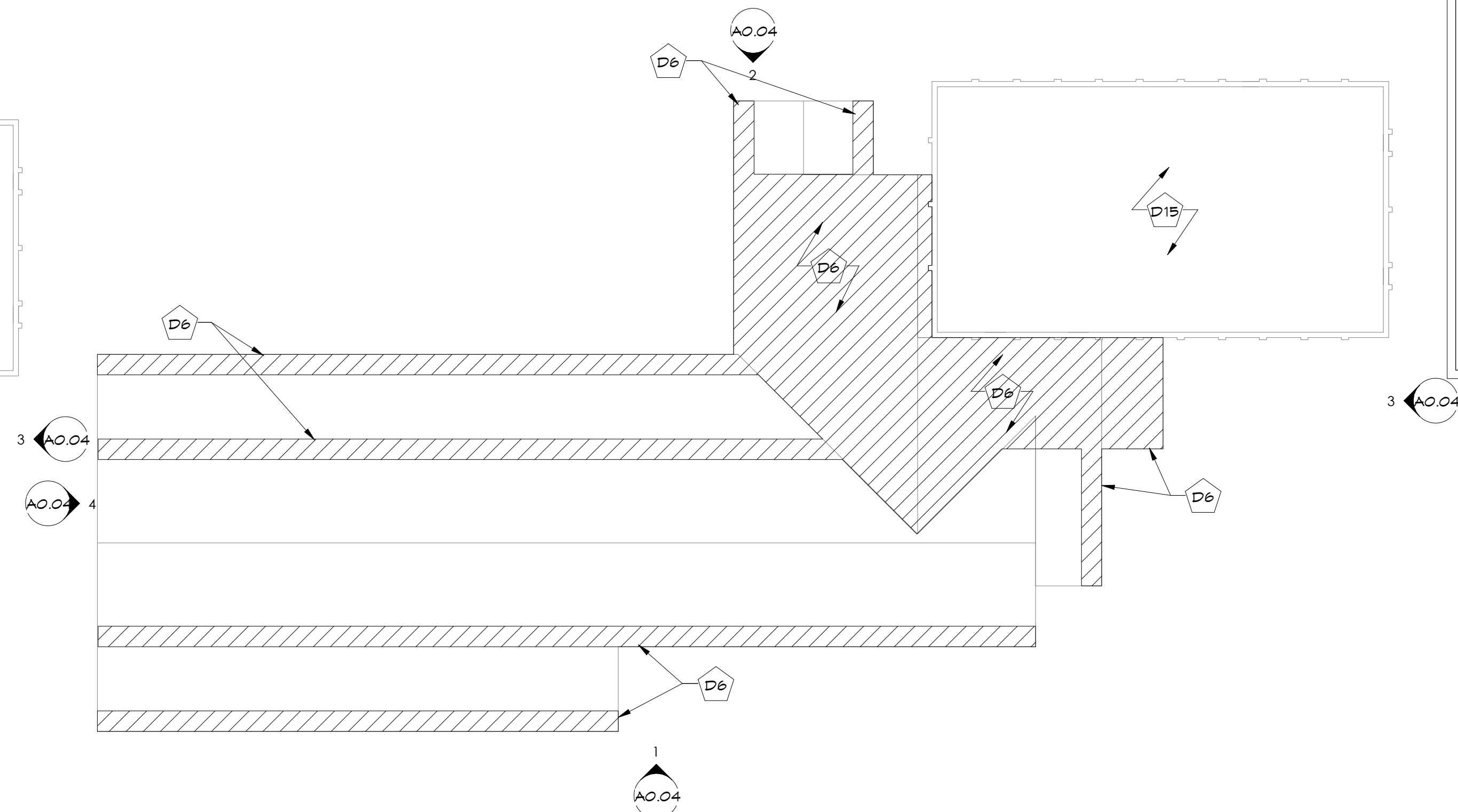
DEMO ROOF PLAN ④
1" = 20'-0"



DEMO ROOF PLAN ASPHALT SHINGLE ②
1" = 20'-0"



DEMO ROOF PLAN - ROOF FRAMING ③
1" = 20'-0"



DEMO ROOF PLAN - ROOF SHEATHING ①
1" = 20'-0"

DEMO KEY NOTES

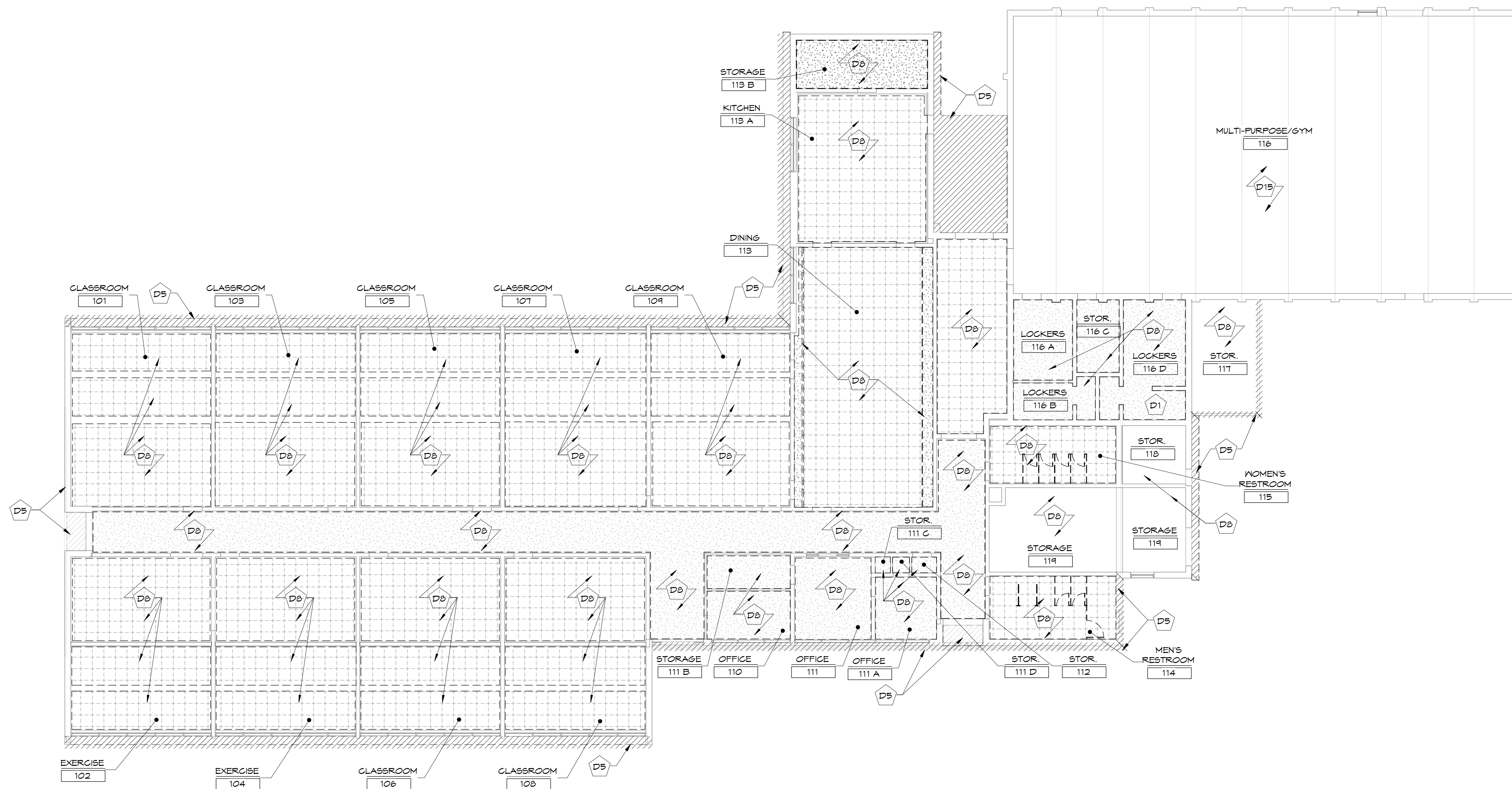
- D1 – REMEDIATE MOLD AND ABATE ALL HAZARDOUS MATERIALS THROUGHOUT THE BUILDING INCLUDING EXISTING INTERIOR AND EXTERIOR WALLS, FLOOR FINISHES, COMMERCIAL KITCHEN EQUIPMENT, CEILING TILES, DUCT WORK, INTERIOR DOORS, DOOR FRAMES ETC.
- D2 – DEMOLISH AND ABATE ROTTEN, DAMAGED AND COLLAPSED AREAS OF THE GABLED ROOF SYSTEM. PREP FOR INSTALLATION OF NEW ROOF FRAMING IN SOME LOCATIONS AS SHOWN, AND NEW ASPHALT SHINGLE ROOFING SYSTEM THROUGHOUT AS SHOWN IN PROPOSED ROOF PLAN. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INSTRUCTIONS AND PROVISIONS.
- D3 – DEMOLISH AND ABATE ROTTEN, DAMAGED, AND COLLAPSED AREAS OF ORIGINAL FLAT ROOF WOOD DECKING (BELOW GABLED ROOF). DAMAGE SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS. REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.
- D4 – DEMOLISH AND ABATE AS REQUIRED ANY EXISTING ROTTEN AND WATER-DAMAGED WOOD SILL PLATES AND ORIGINAL WOOD DECKING UNDER TRUSSES (SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND PROVISIONS). REFER TO THE SPECIFICATIONS SHEET FOR THE UNIT PRICE AND QUANTITY ALLOWANCES.
- D5 – DEMOLISH SOFFIT PANELS AND FASCIA CLADDING AROUND PERIMETER OF BUILDING. PREP FOR INSTALLATION OF NEW PRE-FINISHED ALUMINUM VENTED SOFFIT PANELS AND PRE-FINISHED ALUMINUM FASCIA CLADDING.
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- D9 – REMOVE AND DEMOLISH EXISTING GYMNASIUM LOUVERS AND PREP FOR INSTALLATION OF NEW LOUVERS AS SCHEDULED.
- D10 – REMOVE, STORE, AND PROTECT THE EXISTING COMMERCIAL KITCHEN HOOD SYSTEM AND OTHER COMMERCIAL KITCHEN EQUIPMENT. NO WORK ON EQUIPMENT IS IN THIS CONTRACT. KITCHEN HOOD SHALL BE STORED WITHIN COMMERCIAL KITCHEN SPACE.
- D11 – ALL EXISTING MASONRY WALLS TO REMAIN, UNO.
- D12 – ALL EXISTING WINDOW ASSEMBLIES TO REMAIN, UNO.
- D13 – DEMOLISH EXISTING ASPHALT SHINGLES, ROOF FELTS, ECT. PREP FOR INSTALLATION OF NEW ASPHALT ROOFING SYSTEM AS SPECIFIED.
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- D15 – EXISTING GYMNASIUM ROOF AND STRUCTURE BELOW TO REMAIN. NO WORK.
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- D17 – EXISTING DOORS/LOUVERS AND FRAMES TO REMAIN THROUGHOUT BUILDING, UNO.
- D18 – REMOVE EXISTING BATHROOM PARTITIONS AND RESTROOM ACCESSORIES
- D19 – EXISTING WATER HEATER TO REMAIN, NO WORK.

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PROJECT #: 20014
ISSUE DATE: 04/06/2023
PHASE:
75% CONSTRUCTION DOCUMENTS
SHEET NAME & NUMBER
DEMO ROOF PLANS



DEMO KEY NOTES

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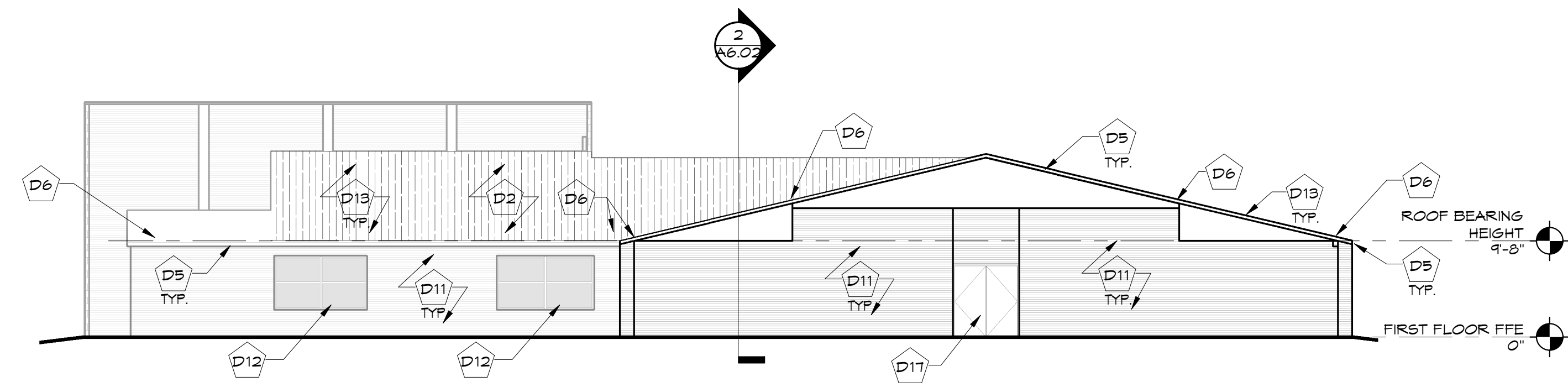
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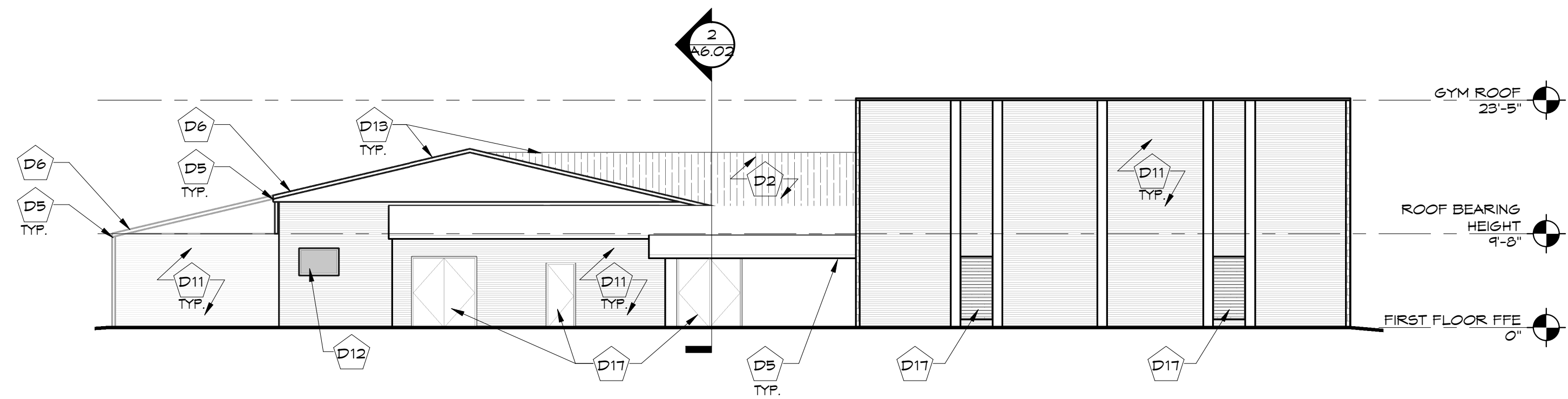
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DEMO REFLECTED CEILING PLAN

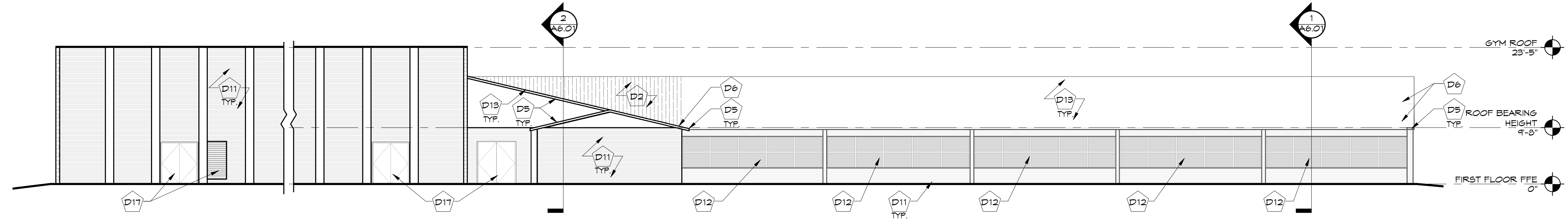
DEMO REFLECTED CEILING PLAN ①
 3/32" = 1'-0"



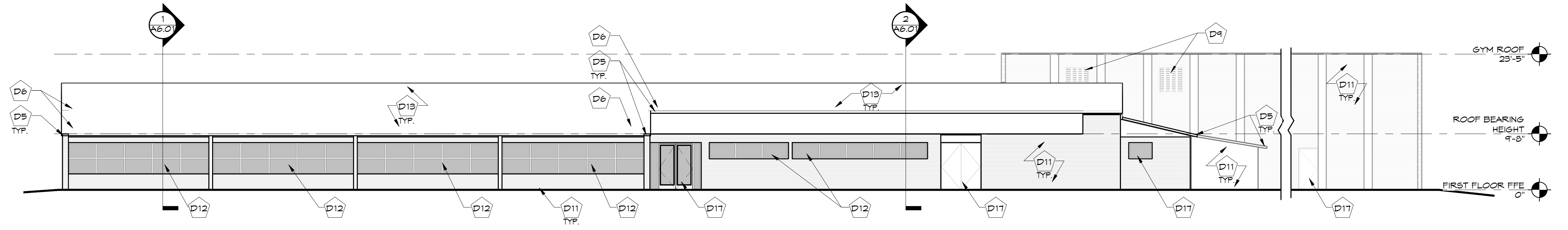
DEMO EXTERIOR ELEVATION 4
3/32" = 1'-0"



DEMO EXTERIOR ELEVATION 3
3/32" = 1'-0"



DEMO EXTERIOR ELEVATION 2
3/32" = 1'-0"



DEMO EXTERIOR ELEVATION 1
3/32" = 1'-0"

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ONLY**

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PHASE:
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SHEET NAME & NUMBER
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SHEET NAME & NUMBER
PROPOSED FLOOR PLAN

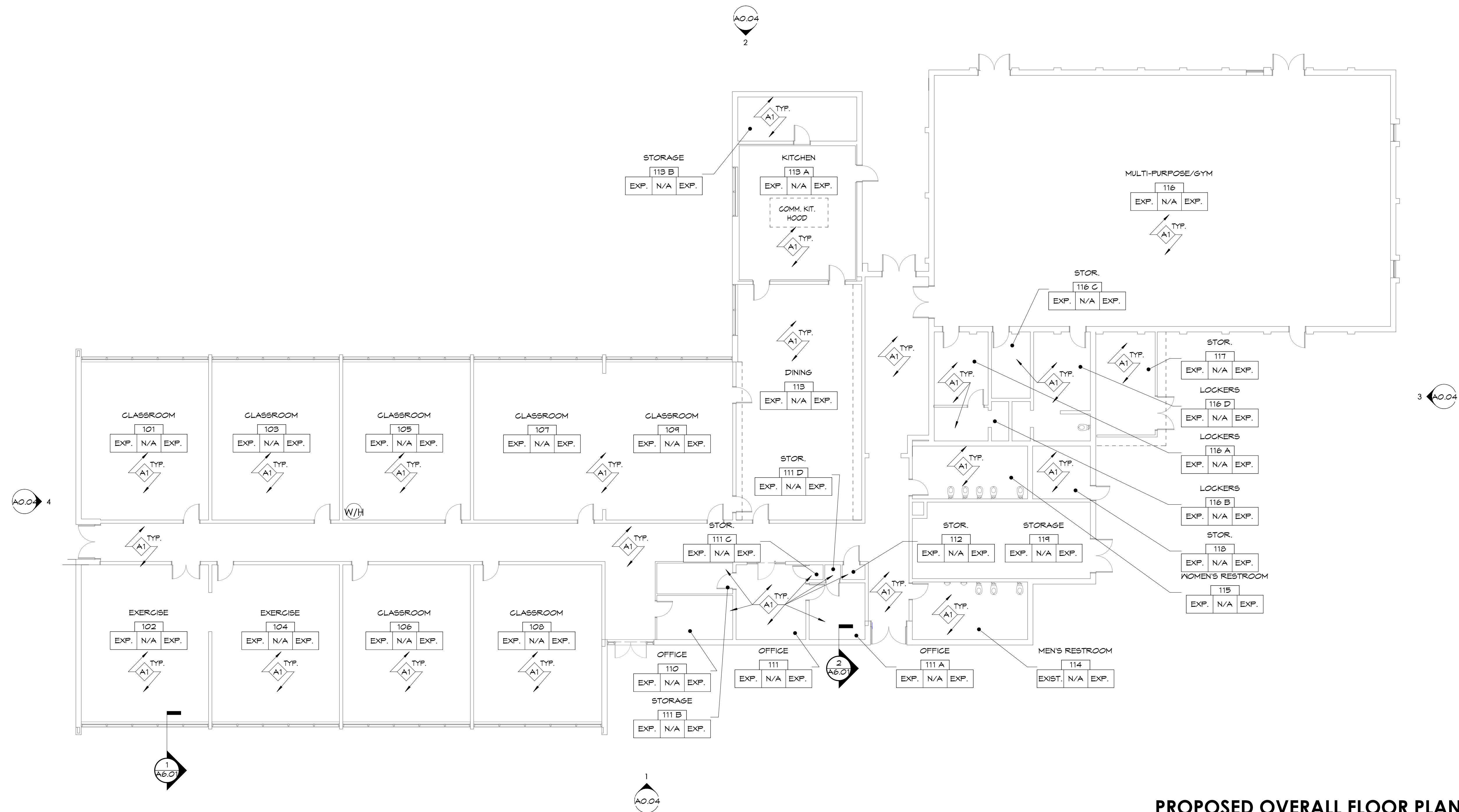
A1.01

PLAN KEY NOTES

- A1 - AFTER ALL DEMOLITION AND ABATEMENT IS COMPLETE, CLEAN AND REMEDIATE MOLD THROUGHOUT THE ENTIRE BUILDING. ALL SURFACES AND ITEMS THAT ARE TO REMAIN SHALL BE CLEAN AND MOLD-FREE.
- A2 - PROVIDE AND INSTALL NEW ROOF FRAMING ROOF TO MATCH THE EXISTING ROOF PROFILE. REF. DEMO DRAWINGS FOR EXTENT OF AREA TO BE REPLACED. (SEE STRUCTURAL DRAWINGS)
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- A5 - WHEN ROOF IS STRUCTURALLY SOUND AND CLEAN, PROVIDE AND INSTALL TWO OFF-SET LAYERS OF ROOFING FELTS (SEE MANUFACTURER REQUIREMENTS FOR LOW-PITCHED ASPHALT SHINGLE ROOFING), AND ASPHALT SHINGLE ROOFING SYSTEM. ROOF FELT PATTERN AND FASTENING PATTERN OF SHINGLES TO MEET MANUF. REQ'S FOR REQUIRED ROOF WARRANTY. SEE SPECIFICATIONS SHEET FOR ADDITIONAL REQ'S.
- A6 - PROVIDE AND INSTALL NEW PRE-FINISHED ALUMINUM DRIP EDGE, FASCIA CLADDING, AND VENTED SOFFIT PANELS AROUND PERIMETER OF BUILDING WITH GABLE ROOF.
- A7 - PROVIDE AND INSTALL PRE-FINISHED ALUMINUM CONTINUOUS FLASHING WITH CONTINUOUS TERMINATION BAR IN ACCORDANCE WITH APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS. REF. DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS
- A8 - PROVIDE AND INSTALL NEW HURRICANE-RATED LOUVERS AND SILL PANS WITH END DAMS (REFER TO OPENING SCHEDULE FOR SIZE, DETAIL, AND CONSTRUCTION)

FINISH TAG LEGEND

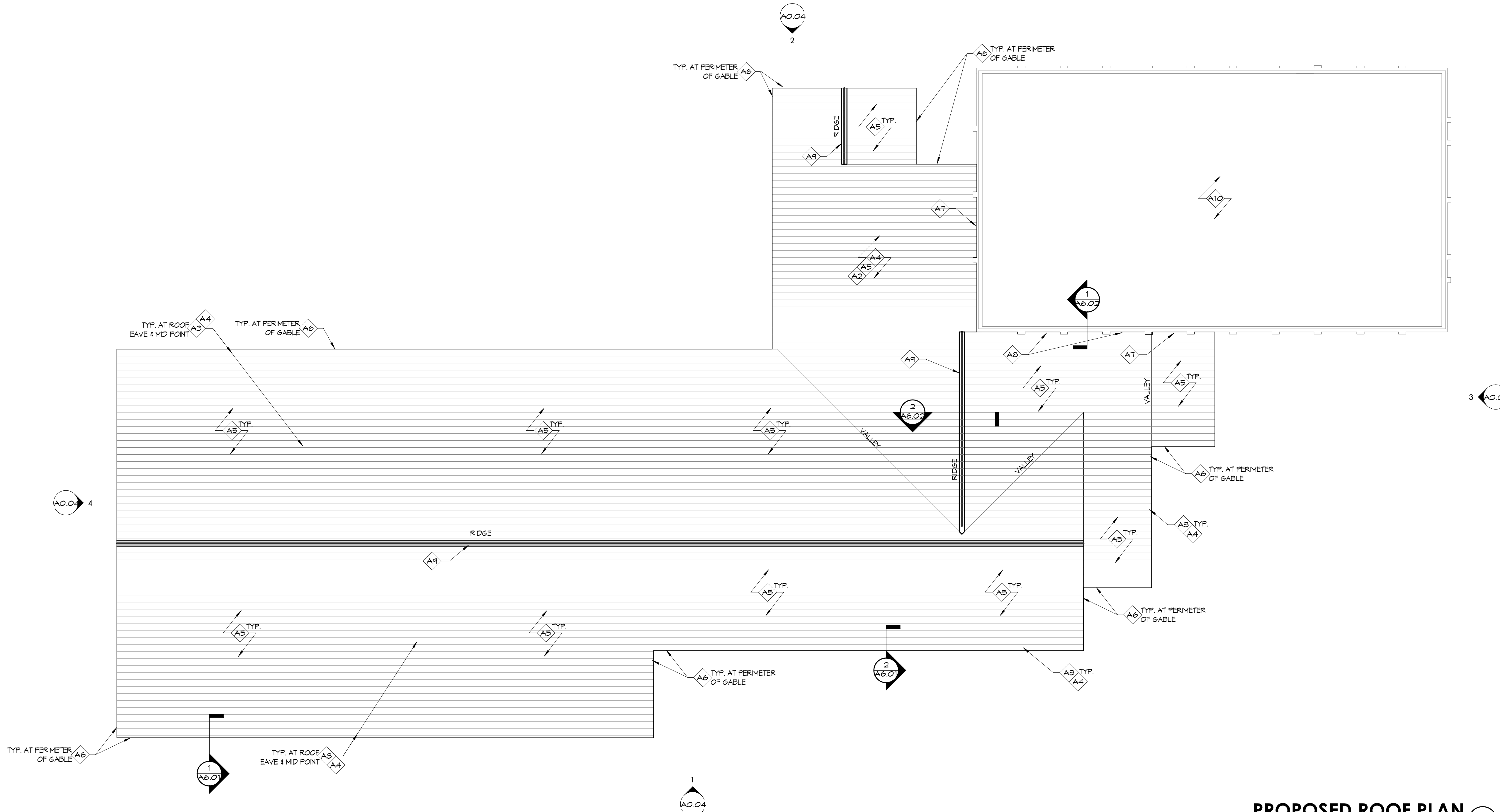
- A9 - PROVIDE AND INSTALL CONTINUOUS RIDGE CAP
- EXP. - EXISTING FINISH TO REMAIN, REMEDIATE MOLD AND CLEAN AS REQ'D.
- N/A - NO NEW WORK FOR SCOPE IDENTIFIED.



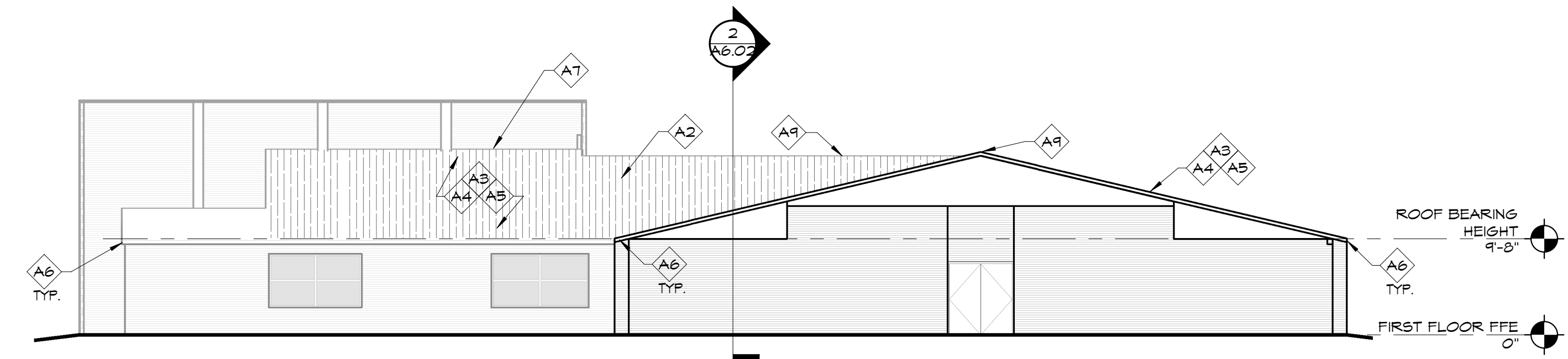
PROPOSED OVERALL FLOOR PLAN ①
3/32" = 1'-0"

PLAN KEY NOTES

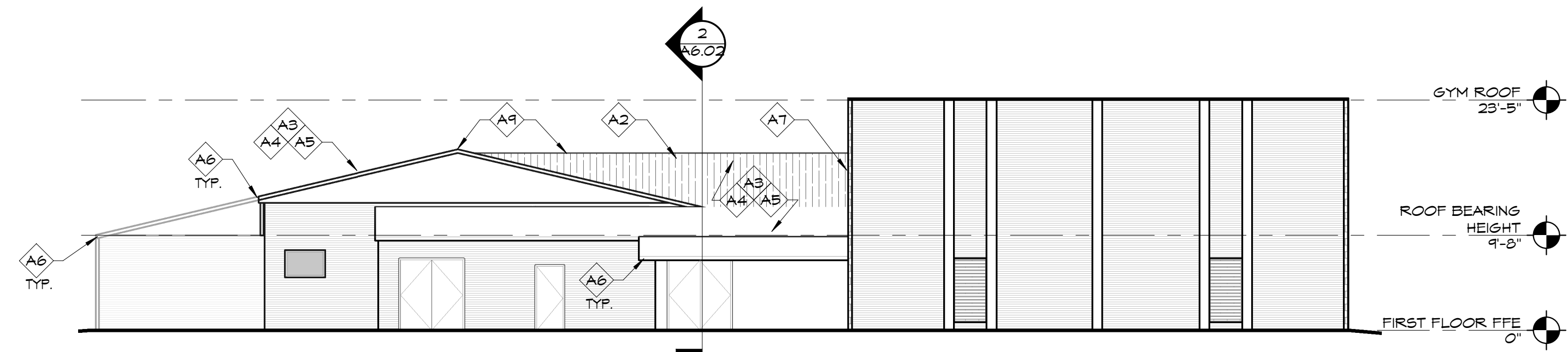
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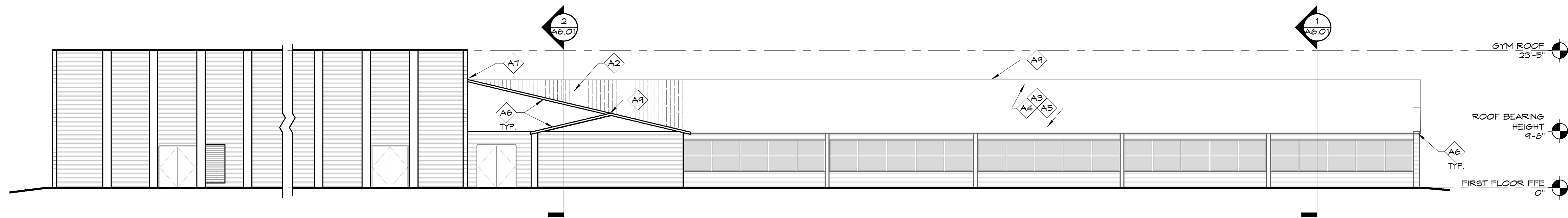
PROPOSED ROOF PLAN ①
3/32" = 1'-0"



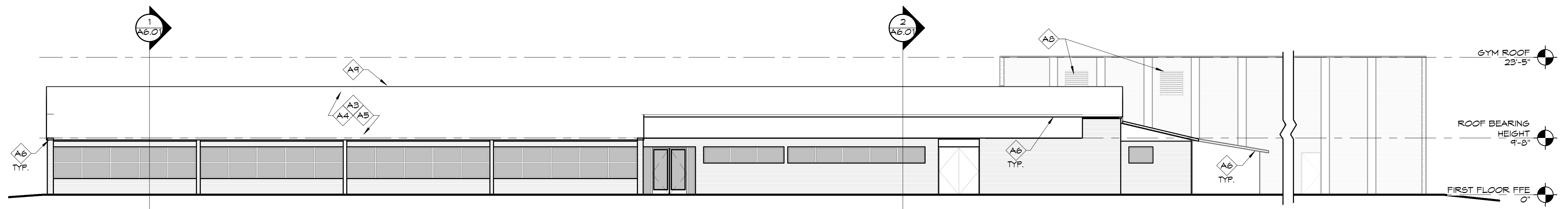
PROPOSED EXTERIOR ELEVATION 4
3/32" = 1'-0"



PROPOSED EXTERIOR ELEVATION 3
3/32" = 1'-0"



PROPOSED EXTERIOR ELEVATION 2
3/32" = 1'-0"



PROPOSED EXTERIOR ELEVATION 1
3/32" = 1'-0"

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- A10 - EXISTING FLAT MEMBRANE ROOF SYSTEM TO REMAIN, NO WORK.

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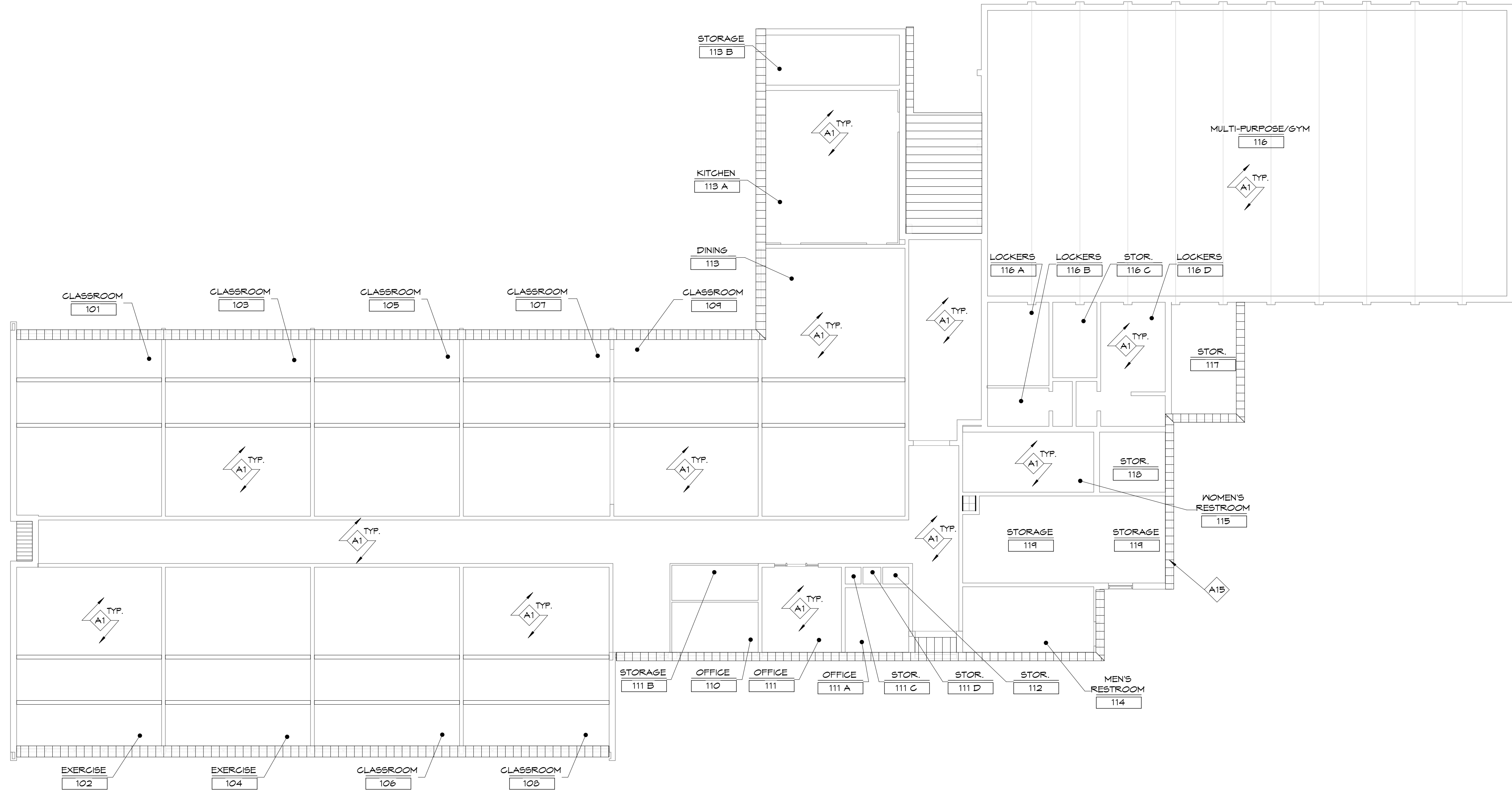
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DOCUMENTS

SHEET NAME & NUMBER
PROPOSED RCP

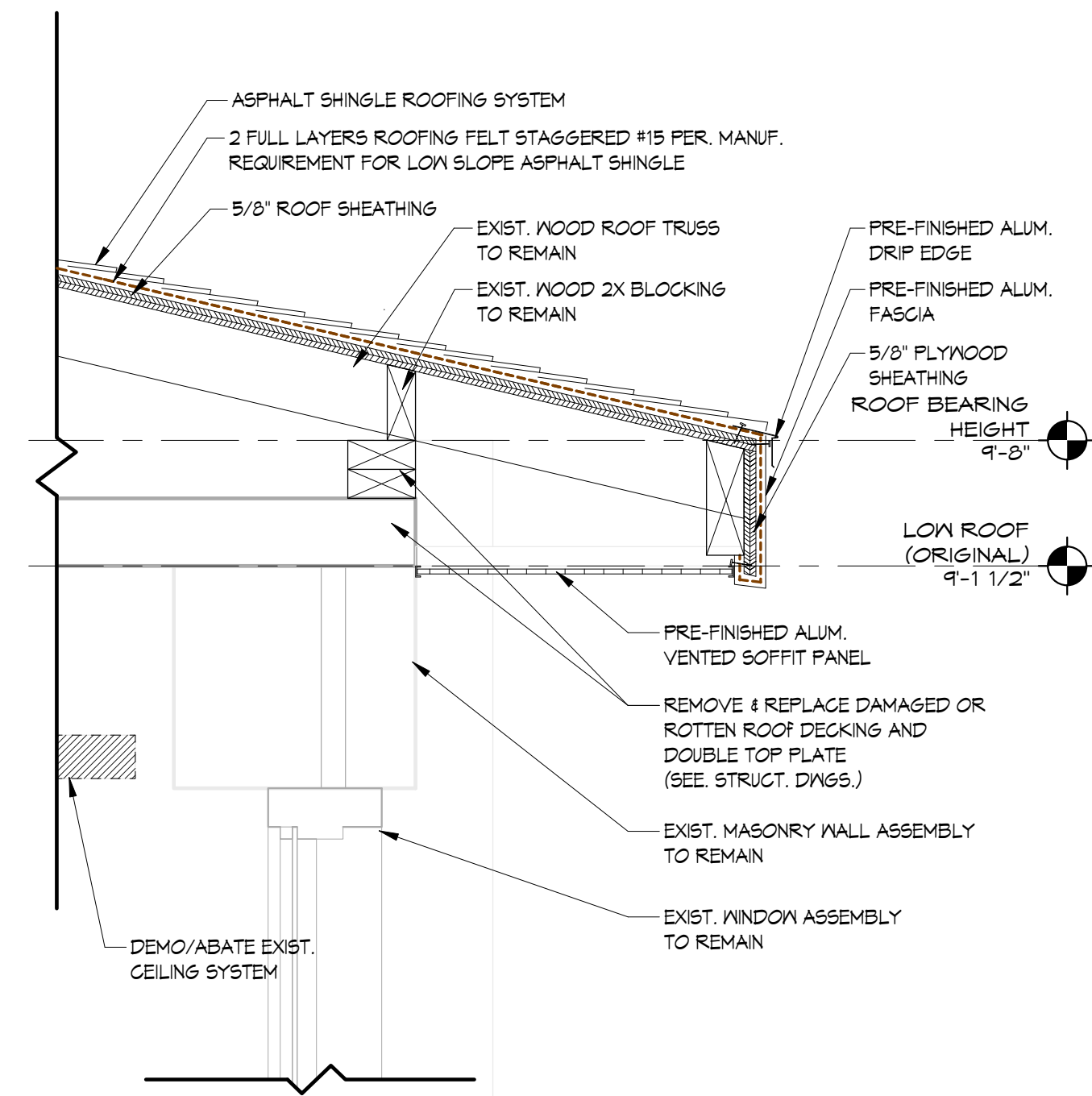
A5.01

PLAN KEY NOTES

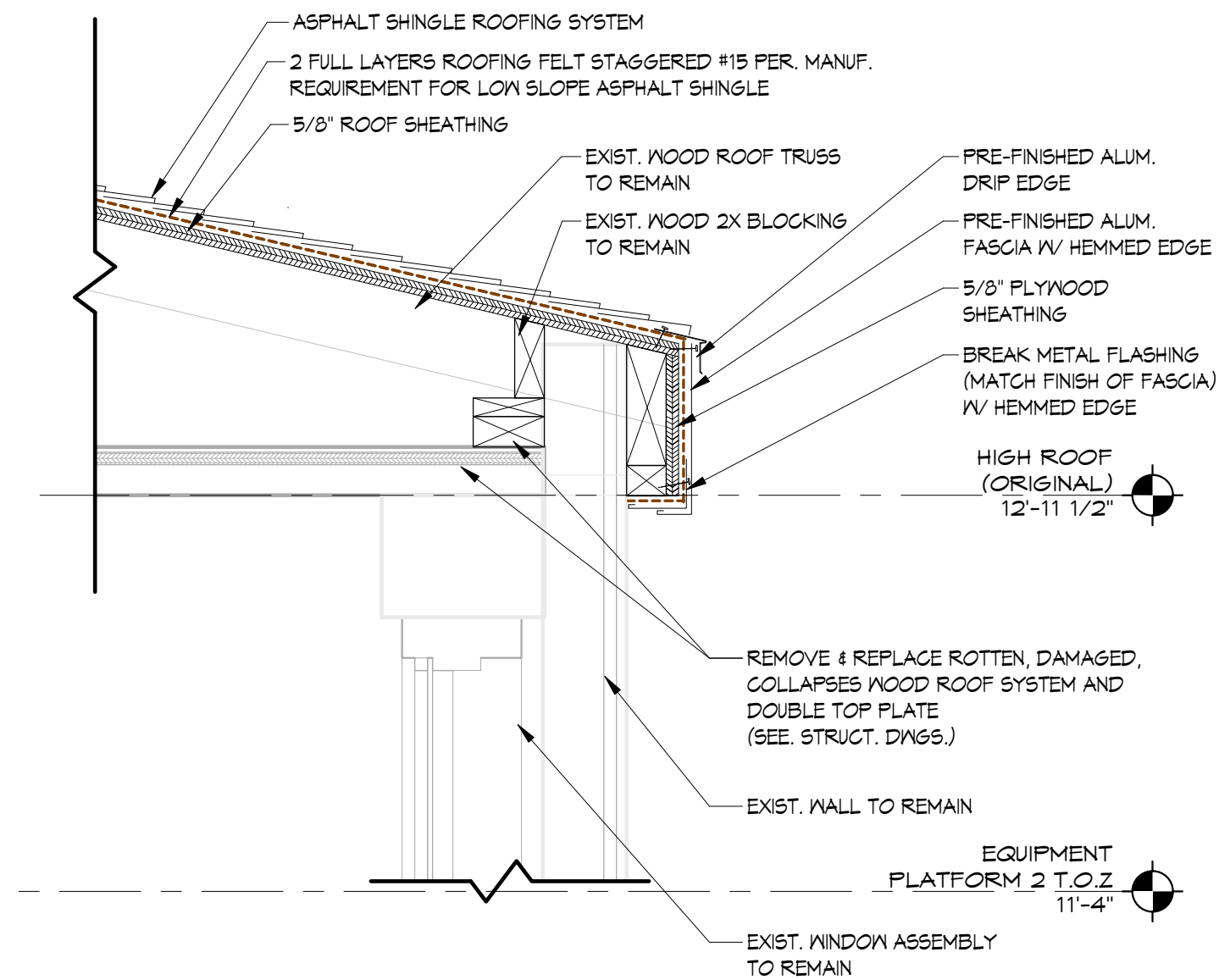
- A1 - AFTER ALL DEMOLITION AND ABATEMENT IS COMPLETE, CLEAN AND REMEDIATE MOLD THROUGHOUT THE ENTIRE BUILDING. ALL SURFACES AND ITEMS THAT ARE TO REMAIN SHALL BE CLEAN AND MOLD-FREE.
- A2 - PROVIDE AND INSTALL NEW ROOF FRAMING ROOF TO MATCH THE EXISTING ROOF PROFILE. REF. DEMO DRAWINGS FOR EXTENT OF AREA TO BE REPLACED. (SEE STRUCTURAL DRAWINGS)
- A3 - PROVIDE AND INSTALL NEW HURRICANE TIES AT ALL LOCATIONS WHERE EXISTING TRUSSES/ROOF FRAMING BEAR ON EXISTING WALLS (SEE STRUCTURAL DRAWINGS)
- A4 - PROVIDE AND INSTALL NEW ROOF SHEATHING TO MATCH EXISTING ADJACENT. REFER TO SPECIFICATIONS SHEET FOR UNIT PRICES AND ALLOWANCES. REF. DEMO DRAWINGS FOR EXTENT OF AREA TO BE REPLACED.
- A5 - WHEN ROOF IS STRUCTURALLY SOUND AND CLEAN, PROVIDE AND INSTALL TWO OFF-SET LAYERS OF ROOFING FELTS (SEE MANUFACTURER REQUIREMENTS FOR LOW-PITCHED ASPHALT SHINGLE ROOFING), AND ASPHALT SHINGLE ROOFING SYSTEM, ROOF FELT PATTERN AND FASTENING PATTERN OF SHINGLES TO MEET MANUF. REQ'S FOR REQUIRED ROOF WARRANTY. SEE SPECIFICATIONS SHEET FOR ADDITIONAL REQ'S.
- A6 - PROVIDE AND INSTALL NEW PRE-FINISHED ALUMINUM DRIP EDGE, FASCIA CLADDING, AND VENTED SOFFIT PANELS AROUND PERIMETER OF BUILDING WITH GABLE ROOF.
- A7 - PROVIDE AND INSTALL PRE-FINISHED ALUMINUM CONTINUOUS FLASHING WITH CONTINUOUS TERMINATION BAR IN ACCORDANCE WITH APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS. REF. DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS
- A8 - PROVIDE AND INSTALL NEW HURRICANE-RATED LOUVERS AND SILL PANS WITH END DAMS (REFER TO OPENING SCHEDULE FOR SIZE, DETAIL, AND CONSTRUCTION).
- A9 - PROVIDE AND INSTALL CONTINUOUS RIDGE VENT
- A10 - EXISTING FLAT MEMBRANE ROOF SYSTEM TO REMAIN, NO WORK.



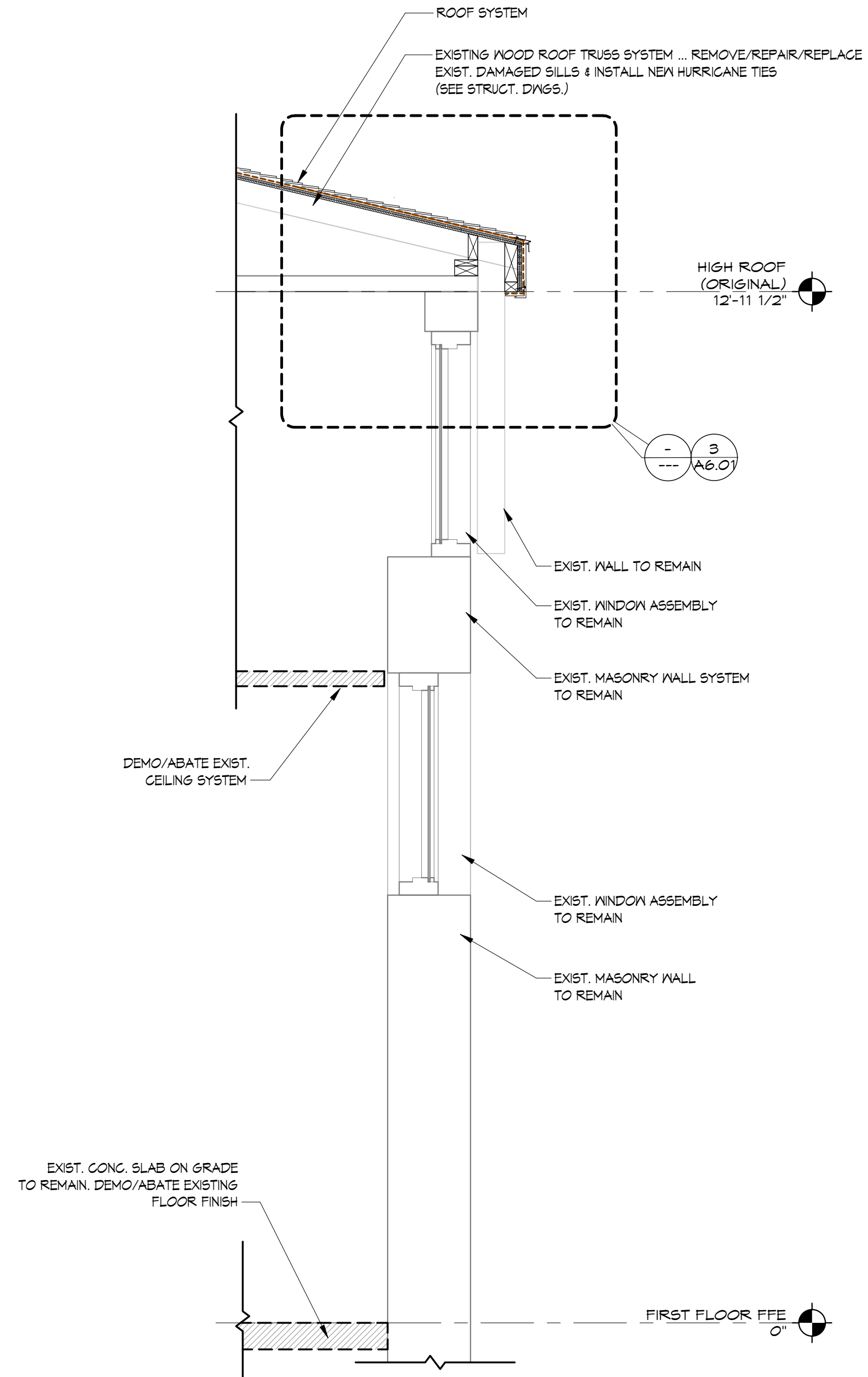
PROPOSED REFLECTED CEILING PLAN ①
3/32" = 1'-0"



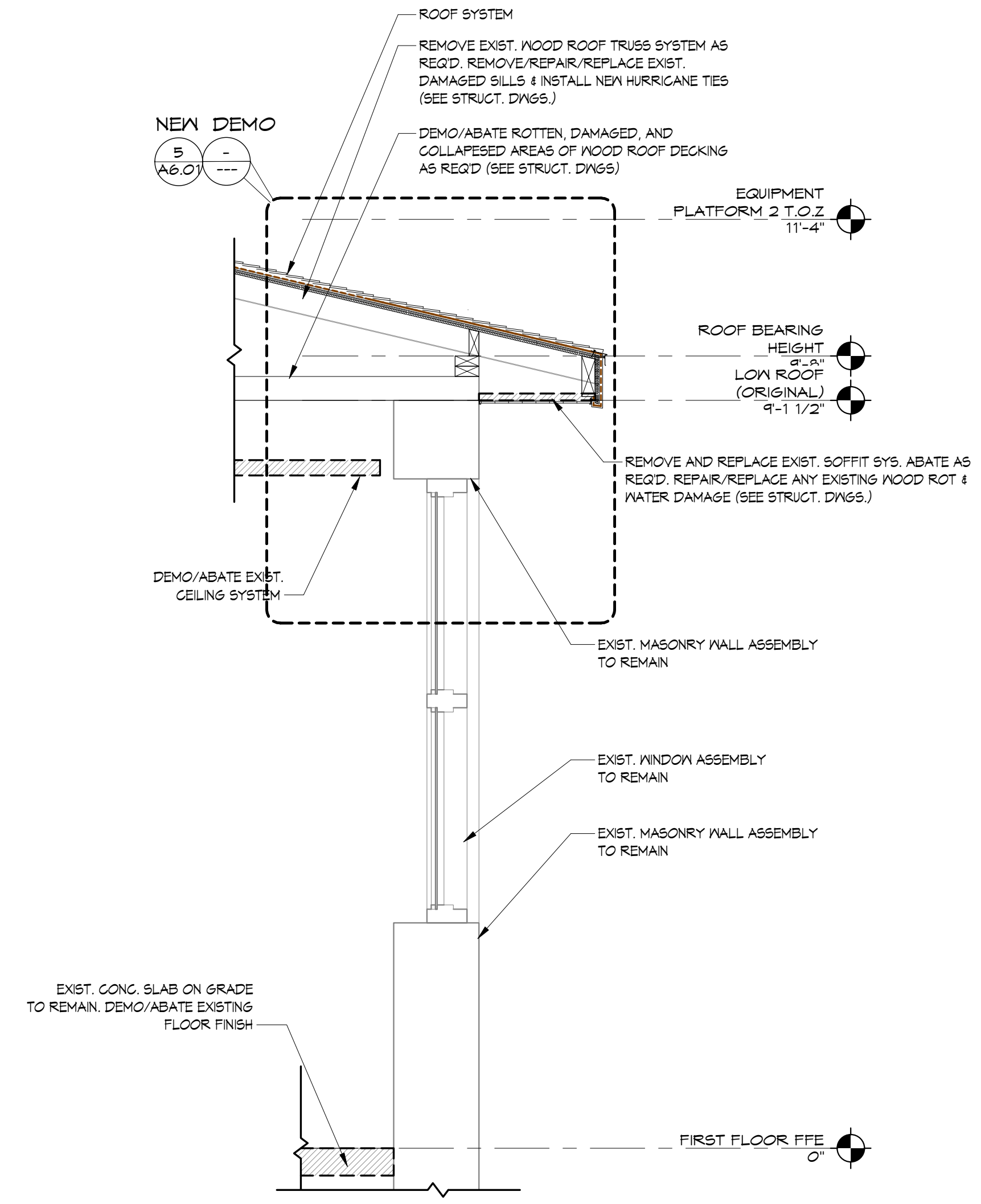
PROPOSED SECTION DETAIL 5
1 1/2" = 1'-0"



PROPOSED SECTION DETAIL 3
1 1/2" = 1'-0"



WALL SECTION 2
3/4" = 1'-0"



WALL SECTION 1
3/4" = 1'-0"

THESE DRAWINGS AND THE ACCOMPANYING SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND AS SUCH SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THEY HAVE BEEN PREPARED FOR A SPECIFIC PROJECT AND SHALL NOT BE USED IN CONNECTION WITH ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.
© INTREPID ARCHITECTURE, P.A. 2022

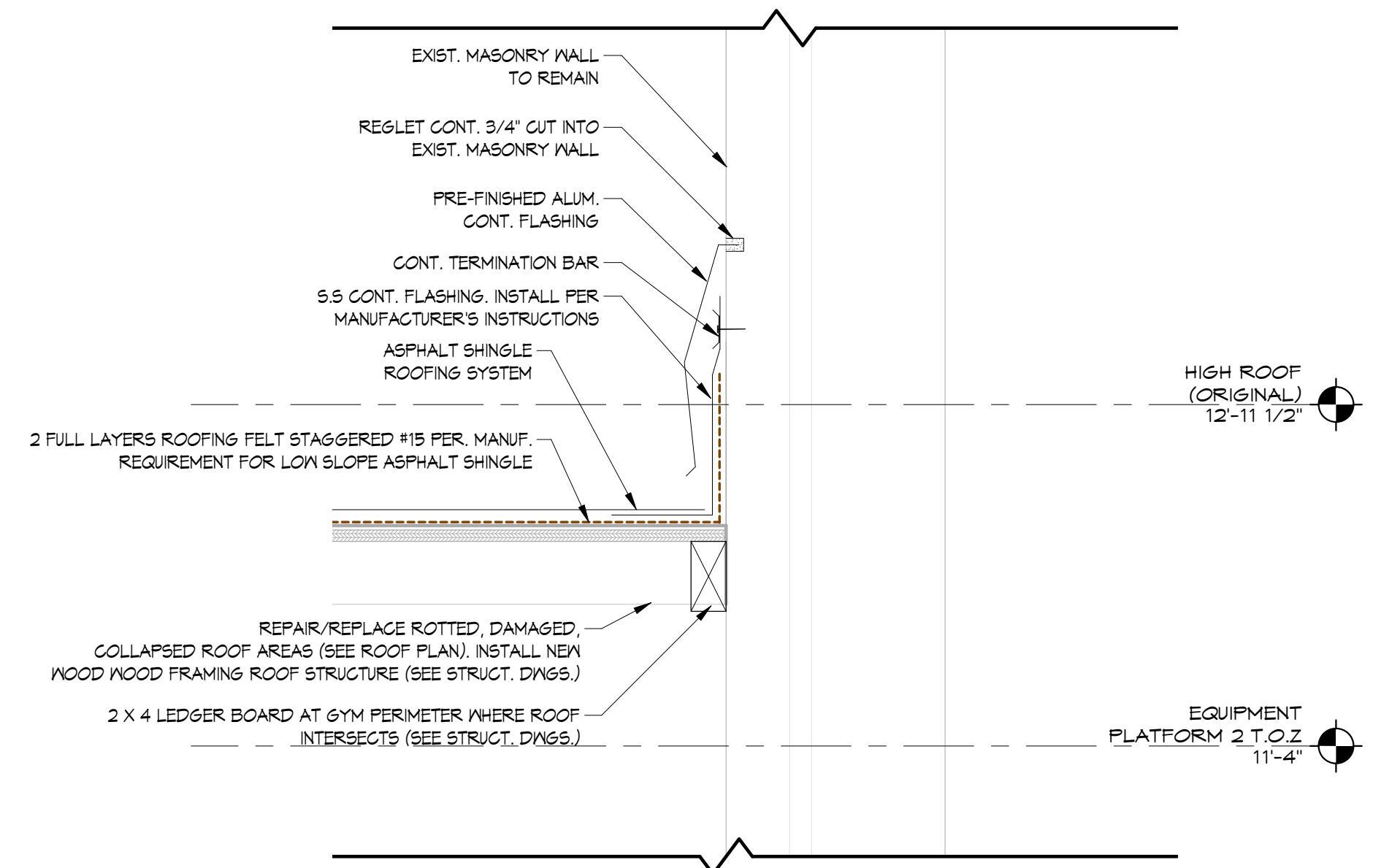
REVISIONS:

#	DESC.	DATE

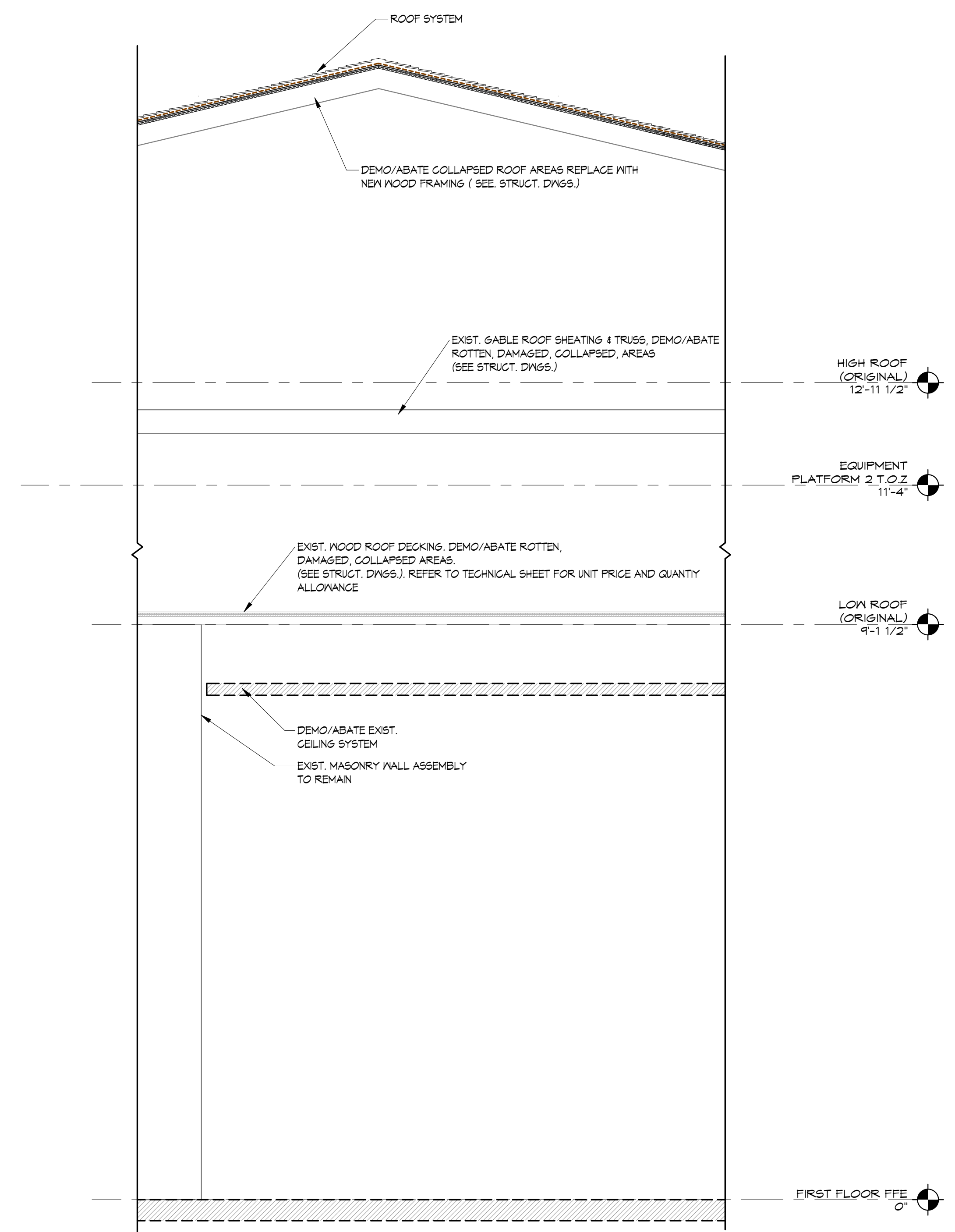
DRAWN BY: DJH
PROJECT #: 20014
ISSUE DATE: 04/06/2023

PHASE:
75% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER
WALL SECTIONS & DETAILS



SECTION DETAIL 1
1 1/2" = 1'-0"



WALL SECTION 2
3/4" = 1'-0"

FOR REVIEW ONLY

THESE DRAWINGS AND THE ACCOMPANYING SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND IS SOLELY REMAIN THE PROPERTY OF THE ARCHITECT. THEY HAVE BEEN PREPARED FOR A SPECIFIC PROJECT AND SHALL NOT BE USED IN CONSTRUCTION WITH ANY OTHER PROJECTS WITHOUT PRIOR WRITTEN PERMISSION OF THE ARCHITECT.
© INTREPID Architecture, PA 2023

REVISIONS:

#	DESC:	DATE
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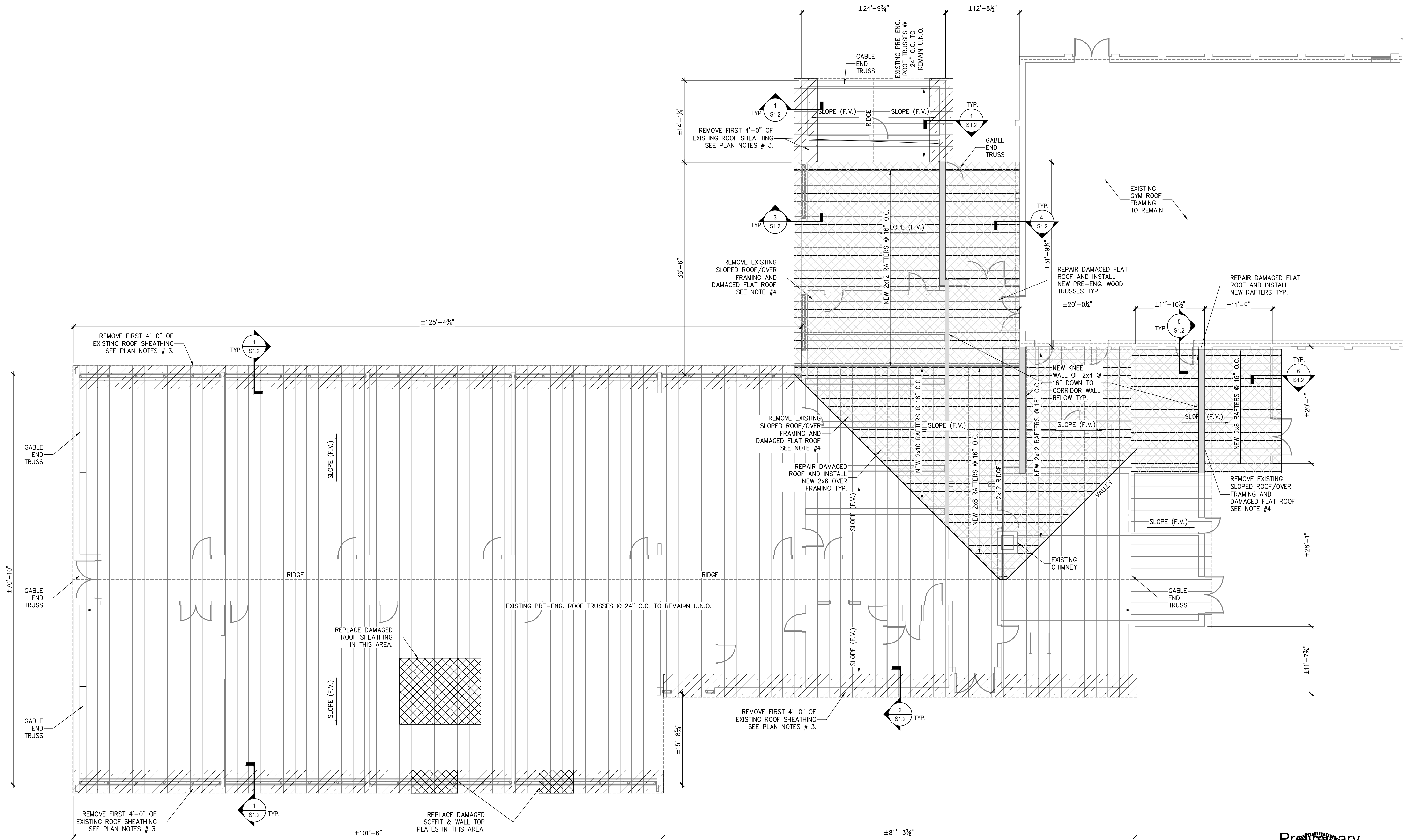
DRAWN BY: DJH
PROJECT #: 20014
ISSUE DATE: 04/06/2023

PHASE:
75% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER
WALL SECTIONS & DETAILS

**DAVIS VENTURES
COMMUNITY CENTER**
HYDE COUNTY NC

33460 US-264
ENGLEHARD, NC 27824



PARTIAL ROOF FRAMING PLAN

1/4" = 1'-0"

ROOF FRAMING PLAN NOTES:

- SEE SHEET S1.2 FOR DESIGN CRITERIA, GENERAL STRUCTURAL NOTES AND SCHEDULES.
- ALL BUILDING DIMENSIONS ARE FROM FACE TO FACE OF STUD WALLS, U.N.O.
- REMOVE FIRST 4'-0" OF ROOF SHEATHING TO EXPOSE TRUSS ENDS FOR INSTALLATION OF NEW HURRICANE TIES AT EA. TRUSS, U.N.O. AND REINSTALL ROOF SHEATHING TO MATCH EXISTING.
- REMOVE EXISTING SLOPED ROOF OVER FRAMING AND DAMAGED FLAT ROOF (ORIGINAL ROOF) WOOD FRAMING IN THESE AREAS. REPAIR ORIGINAL ROOF, AND INSTALL NEW FRAMING AS SHOWN ON PLAN, TO MATCH EXISTING.
- ± DENOTED FIELD VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- U.N.O. DENOTES UNLESS NOTED OTHERWISE.

REVISIONS	



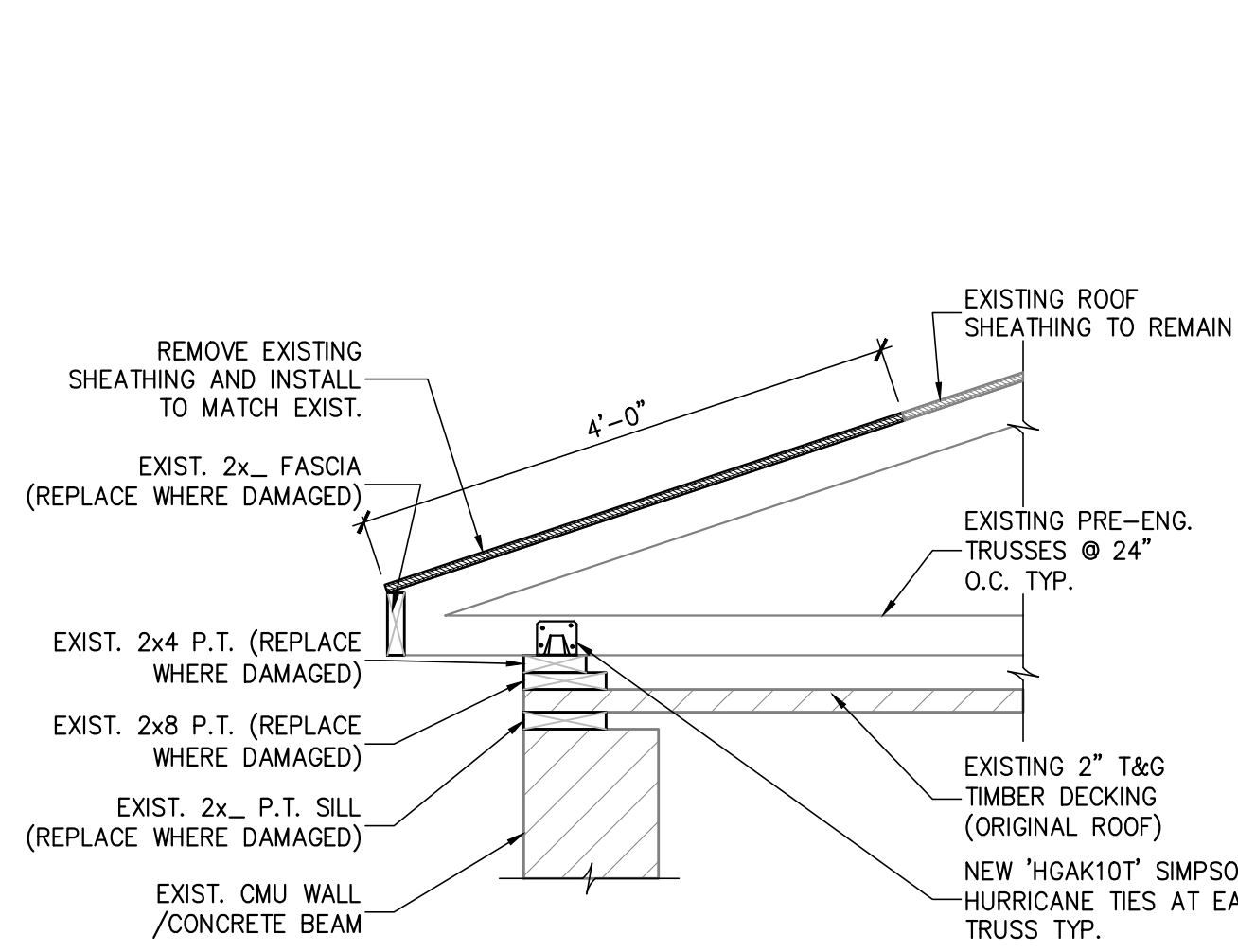
RPA ENGINEERING, P.A.
Structural Engineering Solutions
Engineering License Certificate No. C-2734
102 Regency Blvd. Phone: 252-321-6027
Suite A1 Fax: 252-355-2179
Greenville, NC 27834
RPA Project No.: 2022132

DRAWN BY: GBP
PROJECT #: 21014
ISSUE DATE: 03-31-2023

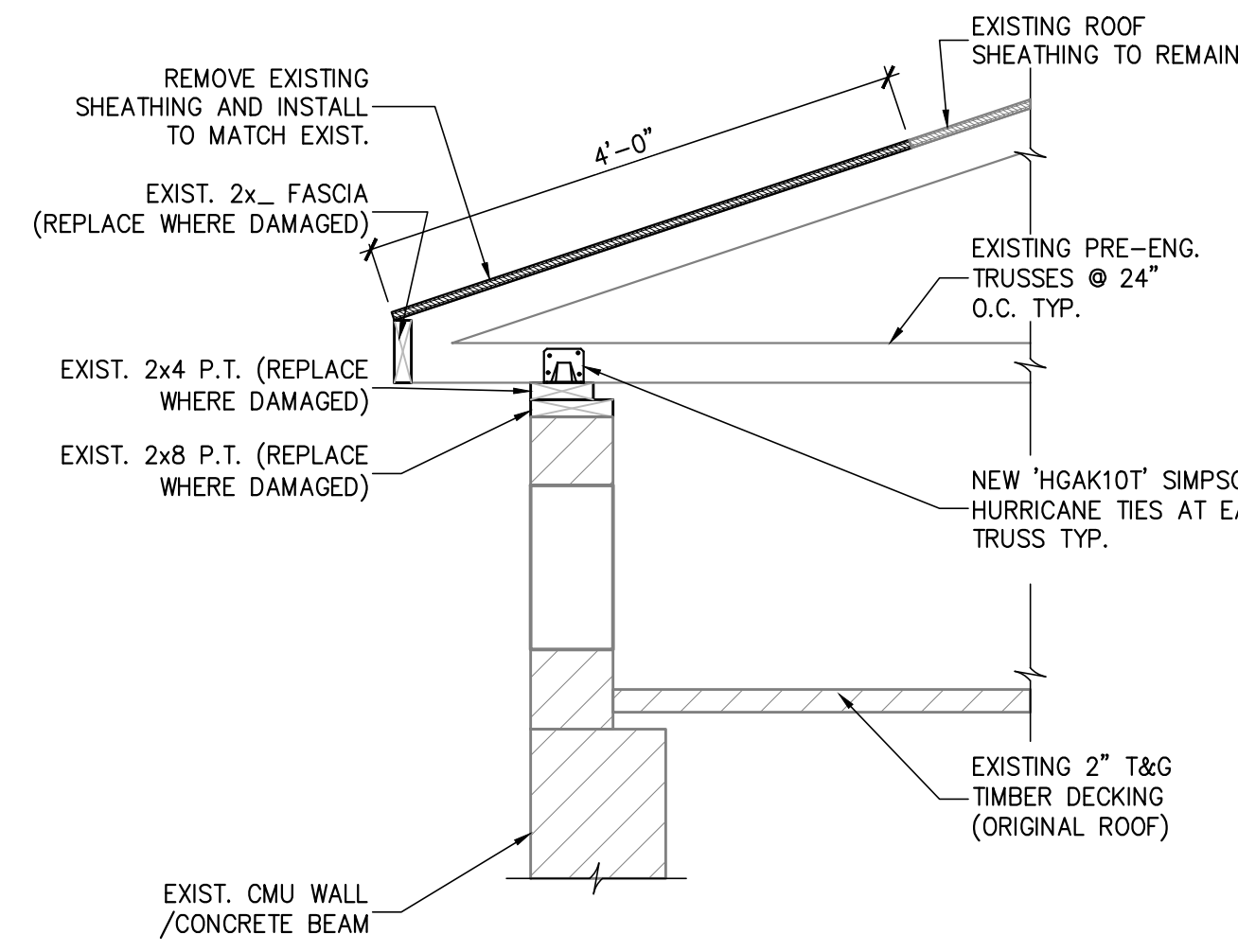
PHASE:
75% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER
ROOF FRAMING
PLAN & PLAN NOTES

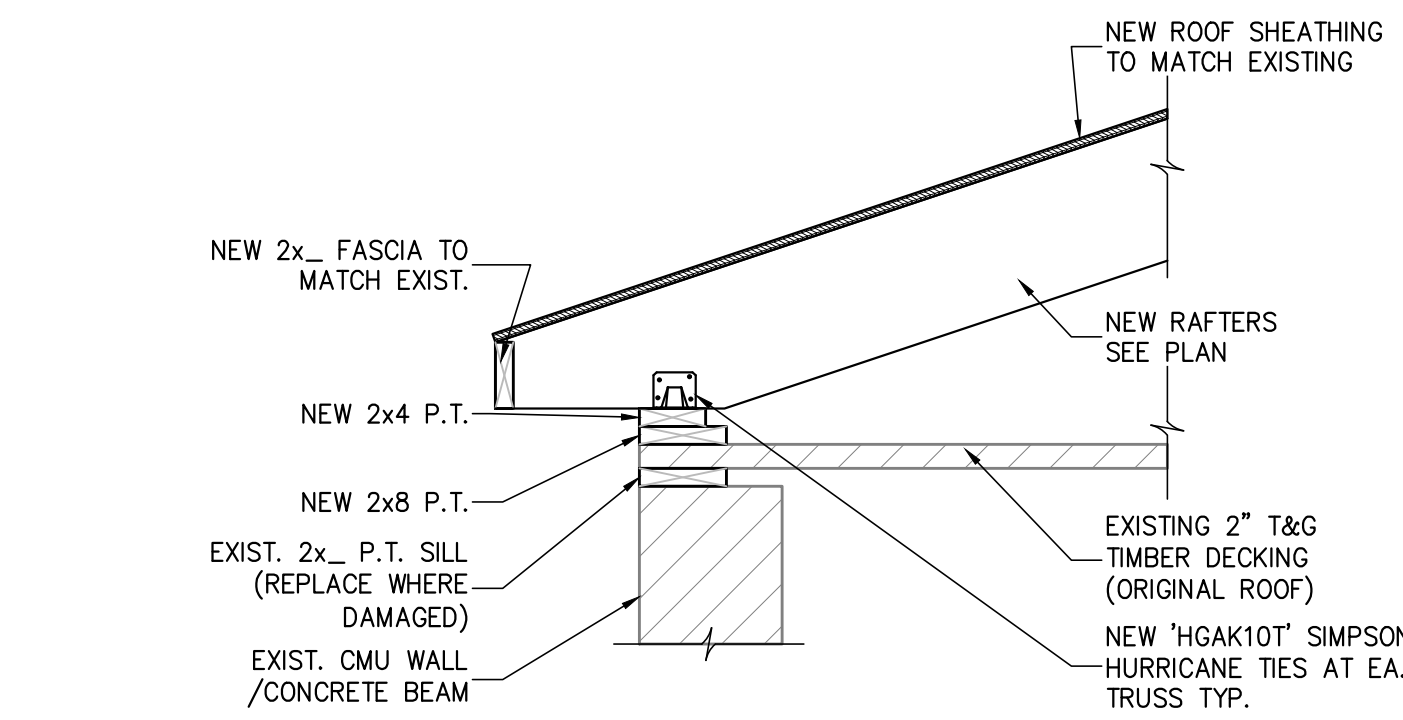
S1.1



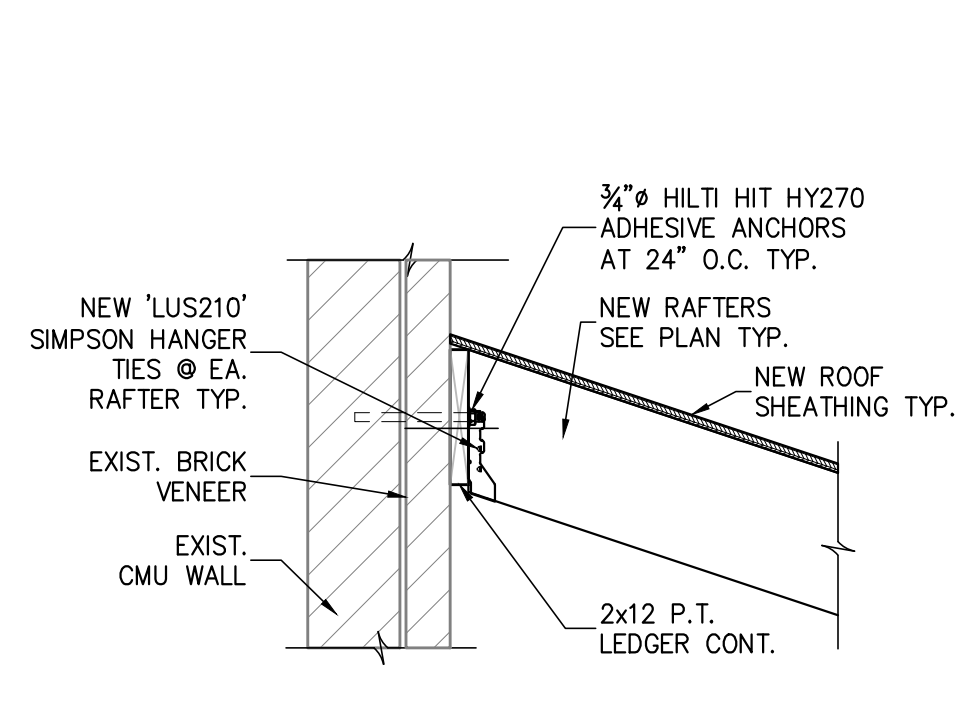
1 SECTION AT TRUSS BEARING
S1.2 3/4" = 1'-0" (EXISTING ROOF)



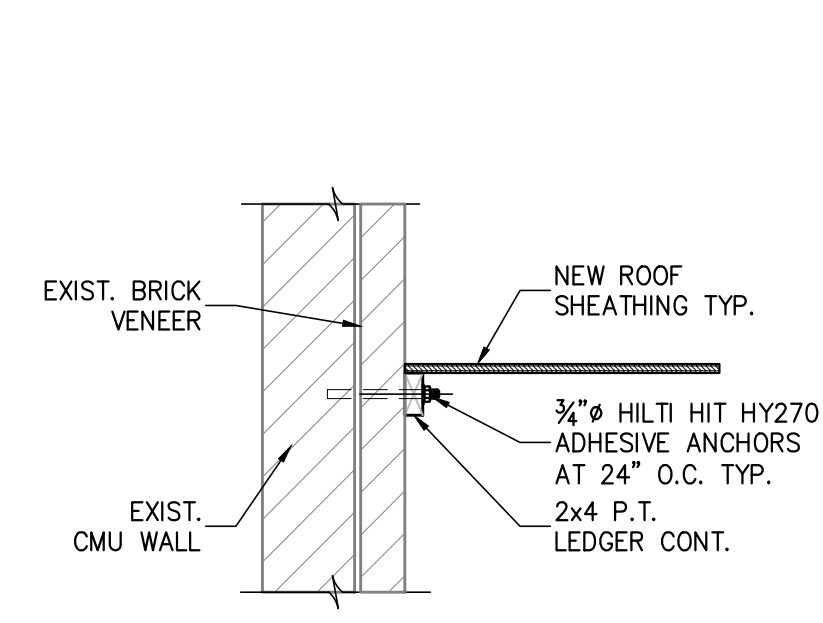
2 SECTION AT TRUSS BEARING
S1.2 3/4" = 1'-0" (EXISTING HIGH ROOF)



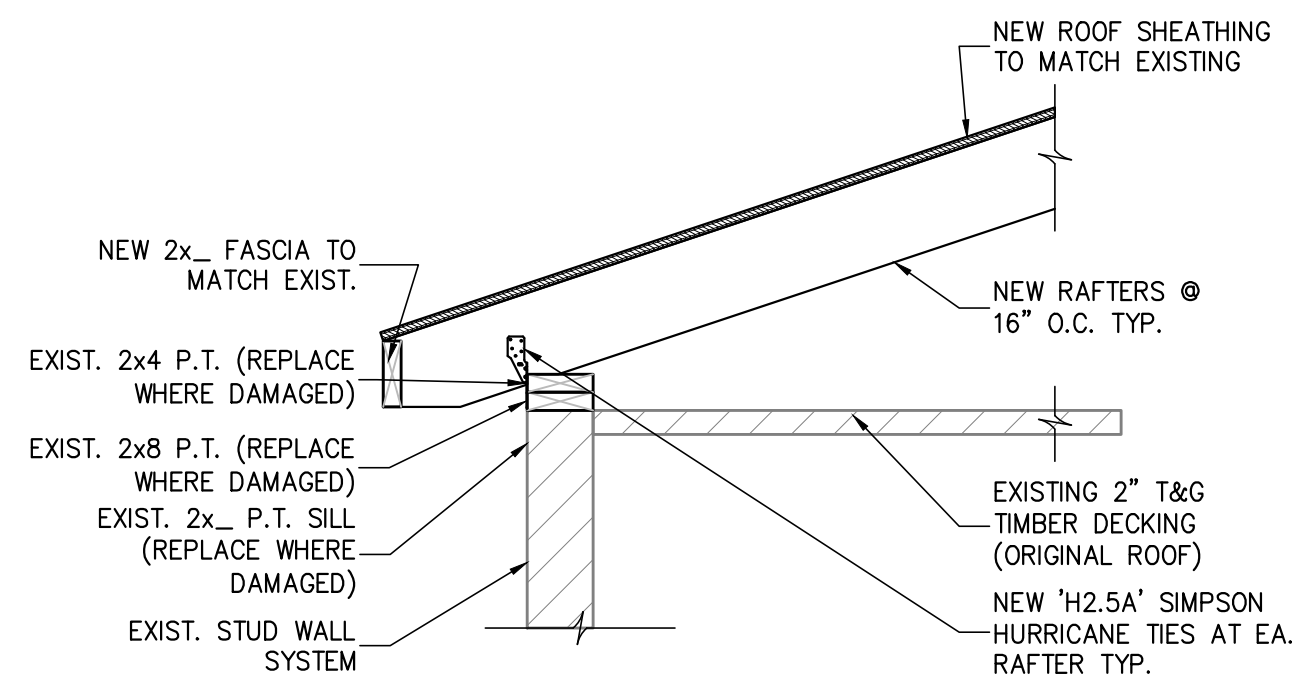
3 SECTION AT TRUSS BEARING
S1.2 3/4" = 1'-0" (ROOF REPLACEMENT)



4 LEDGER CONN. TO EXIST. WALL
S1.2 3/4" = 1'-0"



5 LEDGER CONN. TO EXIST. WALL
S1.2 3/4" = 1'-0"



6 SECTION AT RAFTER BEARING
S1.2 3/4" = 1'-0" (LOW ROOF)

GENERAL STRUCTURAL NOTES:

- GENERAL NOTES**
 - METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
 - THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLEEVES, CURBS, INSERTS OR OPENINGS NOT HEREIN INDICATED.
 - COORDINATE THESE DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DRAWINGS.
 - CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION DIMENSIONS WHICH IMPACT NEW CONSTRUCTION PRIOR TO FABRICATING ANY REBAR, STEEL, TRUSSES, ETCETERA.
 - DO NOT CUT, NOTCH, OR OTHERWISE MODIFY ANY STRUCTURAL MEMBERS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS WITHOUT APPROVAL OF THE ENGINEER OF RECORD.
 - CONTRACTOR IS RESPONSIBLE FOR DESIGN AND INSTALLATION OF ALL SHORING REQUIRED TO SUPPORT NEW AND EXISTING STRUCTURAL ELEMENTS.
- WOOD FRAMING**
 - ALL STRUCTURAL WOOD MEMBERS SHALL BE No. 2 SOUTHERN YELLOW PINE, 19% MAXIMUM MOISTURE CONTENT, UNLESS OTHERWISE NOTED. INTERIOR NON BEARING PARTITIONS MAY BE No. 2 SPRUCE (SPF).
 - ALL WOOD FRAMING, DIRECTLY EXPOSED TO WEATHER, OR IN DIRECT CONTACT WITH MASONRY, SOIL OR CONCRETE, SHALL BE PRESSURE TREATED, UNLESS OTHERWISE NOTED.
 - ALL LVLs, DIRECTLY EXPOSED TO WEATHER, OR IN DIRECT CONTACT WITH MASONRY, SOIL OR CONCRETE, SHALL BE EXTERIOR GRADE, UNLESS NOTED OTHERWISE.
 - ALL METAL CONNECTORS SHALL BE HOT DIP GALVANIZED. INSTALL ALL CONNECTORS PER THE MANUFACTURER'S RECOMMENDATIONS. METAL CONNECTOR DESIGNATIONS INDICATED ON PLANS, ARE FOR 'SIMPSON STRONG-TIE' ANCHORS. ANCHORS FROM OTHER MANUFACTURERS MAY BE USED, PROVIDED THEY HAVE EQUIVALENT STRENGTH.
 - ALL NAILED CONNECTIONS SHALL BE IN ACCORDANCE WITH NORTH CAROLINA STATE BUILDING CODE TABLE 2304.9.1. - FASTENING SCHEDULE, UNLESS OTHERWISE NOTED.
 - FRAMING CONNECTIONS THAT ARE BOLTED OR SCREWED, SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD.
 - PROVIDE STUDS AND HEADERS AT ALL EXTERIOR WALLS AND INTERIOR BEARING WALLS AS FOLLOWS, UNLESS OTHERWISE NOTED:

OPENING WIDTH	STUDS	HEADER
0'-0" TO 6'-0"	2 KING STUDS, 1 JACK STUD	(2) 2 x 10 @ 2 x 4 WALL (3) 2 x 10 @ 2 x 6 WALL
6'-1" TO 8'-0"	2 KING STUDS, 2 JACK STUDS	(2) 2 x 10 @ 2 x 4 WALL (3) 2 x 10 @ 2 x 6 WALL
8'-1" TO 12'-0"	3 KING STUDS, 2 JACK STUDS	(2) 2 x 12 @ 2 x 4 WALL (3) 2 x 12 @ 2 x 6 WALL
- WOOD DECKING/SHEATHING**
 - ROOF SHEATHING SHALL BE 1/2" PLYWOOD OR ORIENTED STRAND BOARD (OSB), UNLESS OTHERWISE NOTED. ATTACH ROOF SHEATHING TO FRAMING WITH 8d NAILS AT 4" O.C. AT PANEL EDGES AND 12" O.C. AT INTERIOR MEMBERS. PROVIDE SOLID BLOCKING AT PANEL EDGES (48" O.C.).
 - SUB-FLOOR SHALL CONSIST OF 3/4" TONGUE AND GROOVE PLYWOOD UNLESS OTHERWISE NOTED. FASTEN WITH 8d NAILS AT 6" O.C. AT PANEL EDGES, AND AT 12" O.C. AT INTERIOR SUPPORTS.
- PRE-ENGINEERED WOOD TRUSSES**
 - PRE-ENGINEERED TRUSSES SHALL BE DESIGNED, FABRICATED AND ERECTED, IN ACCORDANCE WITH TRUSS PLATE INSTITUTE (T.P.I.) SPECIFICATIONS.
 - PRE-ENGINEERED TRUSS MANUFACTURER SHALL DESIGN ALL TEMPORARY AND PERMANENT TRUSS BRACING, AND CLEARLY INDICATE ALL BRACING SIZES AND LOCATIONS ON THE SHOP DRAWINGS.
 - TRUSS HANGERS: AT EACH TRUSS END THAT DOES NOT HAVE A STANDARD BEARING CONNECTION, PROVIDE AN ENGINEERED CONNECTION THAT IS CAPABLE OF SUPPORTING THE REQUIRED REACTION.
 - COORDINATE TRUSS PROFILES AND OVERHANG DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 - HURRICANE ANCHORS SHALL BE SPECIFIED BY THE TRUSS MANUFACTURER UNLESS OTHERWISE NOTED. ENGINEER OF RECORD CAN SPECIFY ANCHORS IF LOADING INFORMATION IS PROVIDED BY TRUSS MANUFACTURER. ALL TRUSS TO TRUSS CONNECTORS SHALL BE SPECIFIED BY TRUSS MANUFACTURER.
 - THE CONTRACTOR SHALL SUBMIT TRUSS SHOP AND LAYOUT DRAWINGS FOR APPROVAL, PRIOR TO THE FABRICATION OF THE TRUSSES. ALL TRUSS DRAWINGS SHALL BE SEALED BY A NORTH CAROLINA PROFESSIONAL ENGINEER.
 - ALL PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED TO SUPPORT THE DEAD AND LIVE LOADS INDICATED AS FOLLOWS:

UNIFORM LOADS:	ROOF TRUSSES
TOP CHORD LIVE LOAD	20 PSF
TOP CHORD DEAD LOAD	10 PSF
BOTTOM CHORD DEAD LOAD	10 PSF

STRUCTURAL DESIGN CRITERIA:

- DESIGN LOADS:**

ROOF DEAD LOAD	MAX	MIN (FOR UPLIFT)
ROOF SHINGLES	2 PSF	2 PSF
SHEATHING	3 PSF	2 PSF
ROOF FRAMING	5 PSF	3 PSF
PIPING, DUCT, ETC.	2 PSF	0 PSF
	12 PSF	7 PSF
- LIVE LOADS**

ROOF LIVE LOAD - ALL AREAS GREATER OF 20 PSF MINIMUM OR SNOW LOAD. LIVE LOAD REDUCTION CAN BE USED IN ACCORDANCE WITH 2018 NBC, SECTION 1607.10

1ST FLOOR LIVE LOAD = 100 PSF
- SNOW LOAD**

GROUND SNOW LOAD = 10 PSF (ENGELHARD, NC)

SNOW LOAD IMPORTANCE FACTOR: $I = 1.0$

SNOW EXPOSURE FACTOR = 1.0

SNOW THERMAL FACTOR = 1.0

ROOF SNOW LOAD = 7 PSF

BASIC DESIGN ROOF SNOW LOAD = 7.0 PSF
- WIND LOAD**

BASIC WIND SPEED: $V_{ult} = 133$ MPH (ENGELHARD, NC)

RISK CATEGORY: $I = II$ III IV

WIND EXPOSURE CATEGORY: 'B' (ASCE 7-10)

WIND BASE SHEAR (FOR MWFRS): $V_x = K$ $V_y = K$ (N/A EXIST. BLDG)

INTERNAL PRESSURE COEFFICIENT: ± 0.55

- SEISMIC LOADS (N.C. STATE BLDG. CODE):**

SEISMIC IMPORTANCE FACTOR: $I = 1.0$

RISK CATEGORY: I II III IV

SEISMIC DESIGN CATEGORY: A B C D

MAPPED SPECTRAL RESPONSE ACCELERATION: $S_s = 0.7$ g $S_1 = 4.8$ g

SPECTRAL RESPONSE COEFFICIENTS: $S_{DS} = 9.2$ g $S_{D1} = 7.7$ g

SEISMIC RESPONSE COEFFICIENT: $C_s = 0.036$

RESPONSE MODIFICATION FACTOR, $R = 3.25$ (ORDINARY MASONRY SHEAR WALLS)

SITE CLASSIFICATION: A B C D E F

BASIC STRUCTURAL SYSTEM: BEARING WALL DUAL w/ SPECIAL MOMENT FRAME BUILDING FRAME DUAL w/ INTERMEDIATE R/C OR SPECIAL STEEL MOMENT FRAME INVERTED PENDULUM

SEISMIC BASE SHEAR $V_x = K$ $V_y = K$ (N/A EXIST. BLDG.)

ANALYSIS PROCEDURE: SIMPLIFIED EQUIVALENT LATERAL FORCE MODAL

ARCHITECTURAL, MECHANICAL COMPONENTS ANCHORED? YES NO

LATERAL DESIGN CONTROL: EARTHQUAKE WIND

- FOUNDATION DESIGN CRITERIA:**

MINIMUM FOOTING BEARING DEPTH BELOW GRADE IS 12 INCHES.

FOUNDATION DESIGN IS BASED ON A PRESUMPTIVE MAXIMUM ALLOWABLE SOIL BEARING CAPACITY OF 1,500 PSF.

CONTRACTOR SHALL FIELD VERIFY THE SOIL BEARING CAPACITY PRIOR TO START OF CONSTRUCTION.

INTREPID ARCHITECTURE

Mailing Address:
2104 CROOKED CREEK RD.
GREENVILLE, NC 27858

114 E. THIRD STREET
GREENVILLE, NC 27868
albin@whom@gmail.com
p. 252.270.6330
www.intrepidarchitecture.com

DAVIS VENTURES COMMUNITY CENTER

HYDE COUNTY NC

334-60 US-264
ENGLEHARD, NC 27824

REVISIONS	



DRAWN BY: GBP
PROJECT #: 21014
ISSUE DATE: 03-31-2023

PHASE:
75% CONSTRUCTION DOCUMENTS

SHEET NAME & NUMBER
ROOF FRAMING DETAILS
SECTIONS & NOTES

RPA ENGINEERING, P.A.
Structural Engineering Solutions
Engineering License Certificate No. C-2734
102 Regency Blvd. Phone: 252-321-6027
Suite A1 Greenville, NC 27834 Fax: 252-355-2179
RPA Project No.: 2022132

S1.2

Section 106 ATTACHMENT 2:

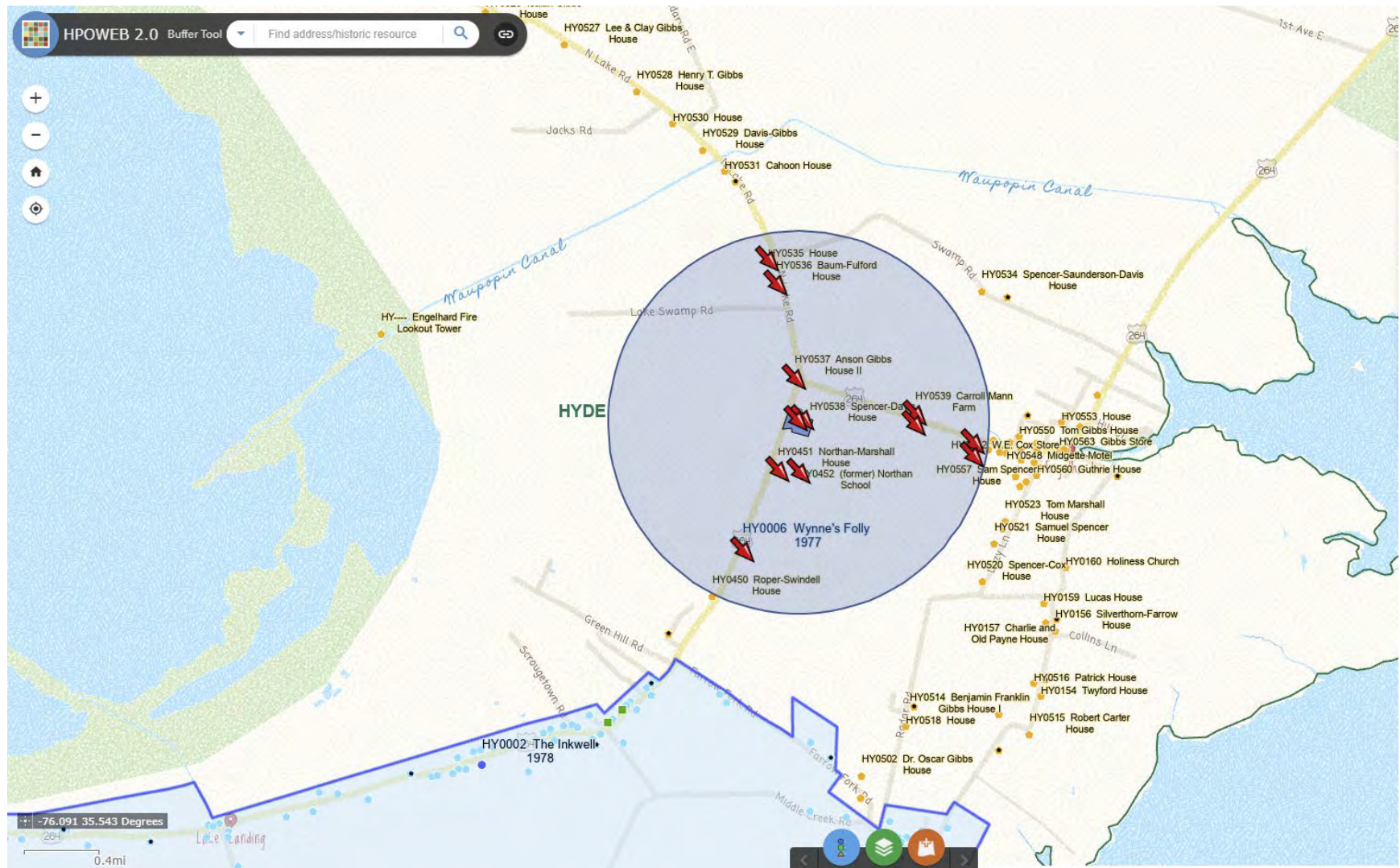
**NRHP and NC HPOWEB Maps, NRHP
Designation Letter, and NRHP Nomination
Package**

Davis Ventures Community Center Project – NRHP Map

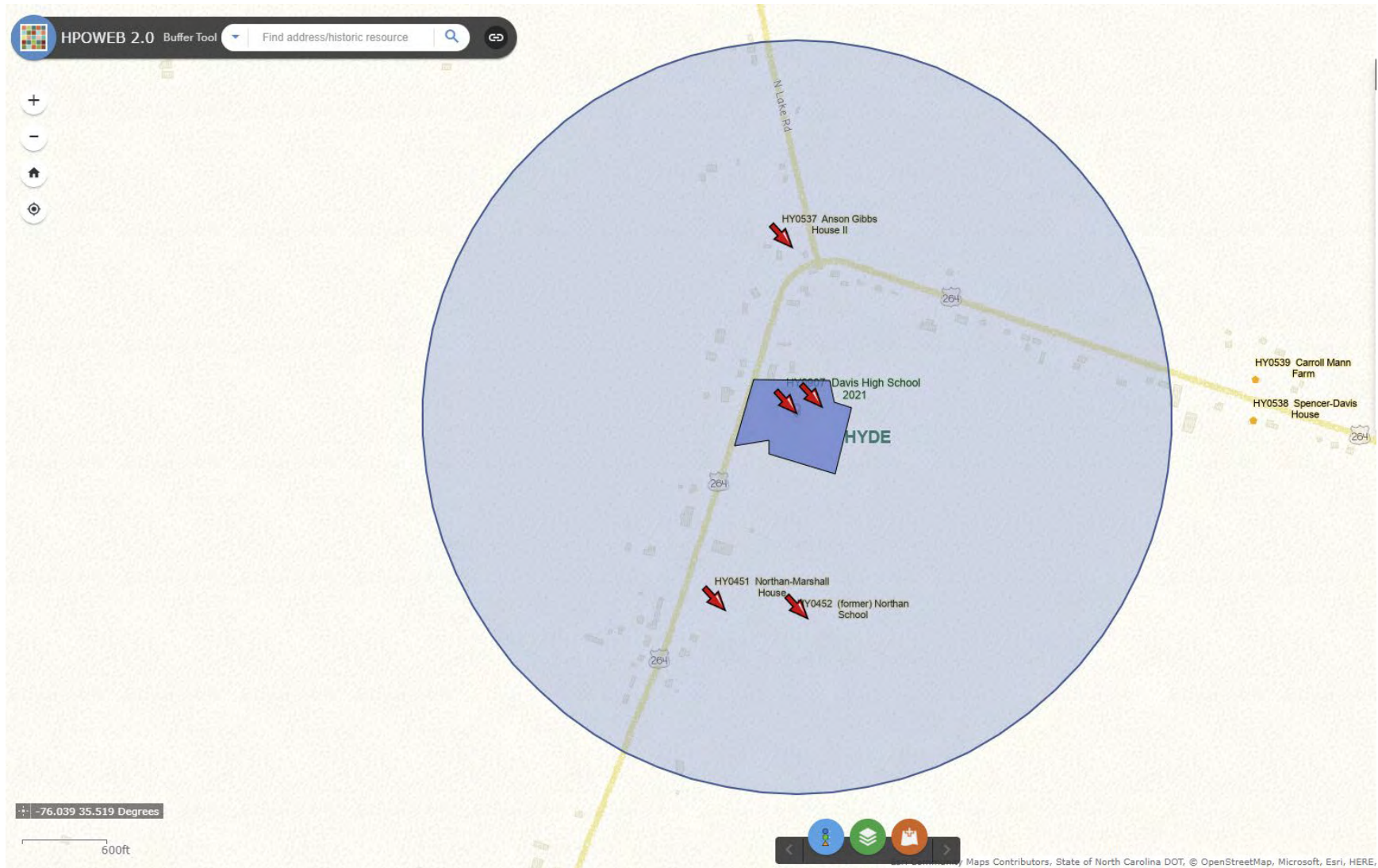
National Register of Historic Places



Davis Ventures Community Center Project – HPOWEB Map (1-mile Buffer)



Davis Ventures Community Center Project – HPOWEB Map (0.5-mile Buffer)





North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office

Ramona M. Bartos, Administrator

Governor Roy Cooper
Secretary D. Reid Wilson

Office of Archives and History
Deputy Secretary Darin J. Waters, Ph.D.

May 31, 2023

Kris C. Noble, County Manager
Hyde County
PO Box 188
Swan Quarter, NC 27885

Re: Certificate of Entry in the National Register of Historic Places
Davis School, 33478 US Hwy 264, Engelhard, Hyde County, NC (HY0907)
Listed: April 17, 2023

Dear Ms. Noble:

I am pleased to inform you that the above-referenced property has been entered in the National Register of Historic Places. An official certificate of listing and a copy of the nomination are enclosed. The county is most fortunate to own and preserve a property that justly deserves this honor.

The National Register has been called "a roll call of the tangible reminders of the history of the United States." It is, therefore, a pleasure for the Office of Archives and History to participate in this program and thereby make our nation aware of North Carolina's rich cultural heritage.

In order that we may keep our records up to date, it would be very helpful if you would notify us of any changes in ownership or of any major alterations to the property. We appreciate your partnership in preserving the best of our past for posterity.

Sincerely,

A handwritten signature in blue ink that reads "Darin J. Waters".

Darin J. Waters
State Historic Preservation Officer

DJW/ssh

Enclosures

cc: Earl Pugh, Jr., Chairman, Hyde County Board of Commissioners
Mike Adams, Davis Ventures
Heather Fearnbach, Consultant, Fearnbach History Services, Inc.



**State of North Carolina
Department of Natural and
Cultural Resources
Office of Archives and History**

This is to certify that

**DAVIS SCHOOL
ENGELHARD
HYDE COUNTY**

has been entered in

THE NATIONAL REGISTER OF HISTORIC PLACES

by the

United State Department of the Interior

upon nomination by the State Historic Preservation Officer under
provisions of the National Historic Preservation Act of 1966 (P.L. 89-665).

The National Register is a list of properties "significant in American history, architecture, archaeology, and culture – a comprehensive index of the significant physical evidences of our national patrimony." Properties listed therein deserve to be preserved by their owners as a part of the cultural heritage of our nation.

*State Historic Preservation Officer
Office of Archives and History*

April 17, 2023

Date Entered

United States Department of the Interior
National Park Service

National Register of Historic Places Registration Form

This form is for use in nominating or requesting determinations for individual properties and districts. See instructions in *How to Complete the National Register of Historic Places Registration Form* (National Register Bulletin 16A). Complete each item by marking "X" in the appropriate box or by entering the information requested. If an item does not apply to the property being documented, enter "N/A" for "not applicable." For functions, architectural classification, materials, and areas of significance, enter only categories and subcategories from the instructions. Place additional entries and narrative items on continuation sheets (NPS Form 10-900a). Use a typewriter, word processor, or computer, to complete all items.

1. Name of Property

historic name Davis School
other names/site number Davis High School

2. Location

street & number 33460 and 33478 US Highway 264 N/A not for publication
city or town Engelhard N/A vicinity
stat North Carolina code NC county Hyde code 095 zip code 27824
e _____

3. State/Federal Agency Certification

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this nomination request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set for in 36 CFR Part 60. In my opinion, the property meets does not meet the National Register criteria. I recommend that this property be considered significant nationally statewide locally. (See continuation sheet for additional comments.)
[Signature] 2/21/23
Signature of certifying official/Title Date
North Carolina Department of Natural and Cultural Resources
State or Federal agency and bureau

In my opinion, the property meets does not meet the National Register criteria. (See Continuation sheet for additional comments.)

Signature of certifying official/Title Date

State or Federal agency and bureau

4. National Park Service Certification

I hereby certify that the property is:
 entered in the National Register.
 See continuation sheet
 determined eligible for the National Register.
 See continuation sheet
 determined not eligible for the National Register.
 removed from the National Register.
 other, (explain): _____

Signature of the Keeper Date of Action

Davis School
Name of Property

Hyde County, NC
County and State

5. Classification

Ownership of Property
(Check as many boxes as apply)

- private
- public-local
- public-State
- public-Federal

Category of Property
(Check only one box)

- building(s)
- district
- site
- structure
- object

Number of Resources within Property
(Do not include previously listed resources in count.)

Contributing	Noncontributing	
2	0	buildings
1	2	sites
0	1	structures
0	0	objects
3	3	Total

Name of related multiple property listing
(Enter "N/A" if property is not part of a multiple property listing.)

N/A

Number of Contributing resources previously listed in the National Register

N/A

6. Function or Use

Historic Functions
(Enter categories from instructions)

EDUCATION: School
RECREATION AND CULTURE: Sports Facility

Current Functions
(Enter categories from instructions)

COMMERCE: Business
RECREATION AND CULTURE: Sports Facility

7. Description

Architectural Classification
(Enter categories from instructions)

MODERN MOVEMENT

Materials
(Enter categories from instructions)

foundation BRICK

walls BRICK

roof SYNTHETICS: Rubber

ASPHALT

other

Narrative Description

(Describe the historic and current condition of the property on one or more continuation sheets.)

Davis School
Name of Property

Hyde County, NC
County and State

8. Statement of Significance

Applicable National Register Criteria

(Mark "x" in one or more boxes for the criteria qualifying the property for National Register listing.)

- A** Property is associated with events that have made a significant contribution to the broad patterns of our history.
- B** Property is associated with the lives of persons significant in our past.
- C** Property embodies the distinctive characteristics of a type, period, or method of construction or represents the work of a master, or possesses high artistic values, or represents a significant and distinguishable entity whose components lack individual distinction.
- D** Property has yielded, or is likely to yield, information important in prehistory or history.

Criteria Considerations

(Mark "x" in all the boxes that apply.)

Property is:

- A** owned by a religious institution or used for religious purposes.
- B** removed from its original location.
- C** a birthplace or grave.
- D** a cemetery.
- E** a reconstructed building, object, or structure.
- F** a commemorative property
- G** less than 50 years of age or achieved significance within the past 50 years.

Areas of Significance

(Enter categories from instructions)

Education

Ethnic Heritage: Black

Civil Rights

Period of Significance

1953-1970

Significant Dates

1953

1964

1970

(Complete if Criterion B is marked)

N/A

Cultural Affiliation

African American

Architect/Builder

Stephens, Burrett H. and Robert H., architects, 1953

C. C. Haynes Jr. Construction Company, contractor, 1953

Skinner, B. Atwood, Jr., architect, 1964

Narrative Statement of Significance

(Explain the significance of the property on one or more continuation sheets.)

9. Major Bibliographical References

Bibliography

(Cite the books, articles, and other sources used in preparing this form on one or more continuation sheets.)

Previous documentation on file (NPS):

- preliminary determination of individual listing (36 CFR 67) has been requested
- previously listed in the National Register
- Previously determined eligible by the National Register
- designated a National Historic Landmark
- recorded by Historic American Buildings Survey # _____
- recorded by Historic American Engineering Record # _____

Primary location of additional data:

- State Historic Preservation Office
- Other State Agency
- Federal Agency
- Local Government
- University
- Other

Name of repository: Hyde County Schools Office, Swan
Quarter

State Library, Raleigh

Davis School
Name of Property

Hyde County, NC
County and State

10. Geographical Data

Acreage of Property Approximately 8 acres

UTM References

(Place additional UTM references on a continuation sheet.)
See Latitude/Longitude coordinates continuation sheet.

1	<u> </u>	<u> </u>	<u> </u>	3	<u> </u>	<u> </u>	<u> </u>
	Zone	Easting	Northing		Zone	Easting	Northing
2	<u> </u>	<u> </u>	<u> </u>	4	<u> </u>	<u> </u>	<u> </u>
					See continuation sheet		

Verbal Boundary Description

(Describe the boundaries of the property on a continuation sheet.)

Boundary Justification

(Explain why the boundaries were selected on a continuation sheet.)

11. Form Prepared By

name/title Heather Fearnbach
organization Fearnbach History Services, Inc. date 12/15/2022
street & number 3334 Nottingham Road telephone 336-765-2661
city or town Winston-Salem state NC zip code 27104

Additional Documentation

Submit the following items with the completed form:

Continuation Sheets

Maps

- A **USGS map** (7.5 or 15 minute series) indicating the property's location
- A **Sketch map** for historic districts and properties having large acreage or numerous resources.

Photographs

Representative **black and white photographs** of the property.

Additional items

(Check with the SHPO or FPO for any additional items.)

Property Owner

(Complete this item at the request of SHPO or FPO.)

name County of Hyde, Kris Noble, County Manager
street & number 30 Oyster Creek Road, PO Box 188 telephone 252-926-4178
city or town Swan Quarter state NC zip code 27885

Paperwork Reduction Act Statement: This information is being collected for applications to the National Register of Historic Places to nominate properties for listing or determine eligibility for listing, to list properties, and to amend existing listing. Response to this request is required to obtain a benefit in accordance with the National Historic Preservation Act, as amended (16 U.S.C. 470 *et seq.*)

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Section 7. Narrative Description

Setting

Davis School stands on US Highway 264's east side approximately one- and one-half miles southwest of Engelhard's commercial center. The small rural Hyde County fishing community on the Pamlico Sound is surrounded by farms flanking US Highway 264 and intersecting secondary roads. The area is known for its rich black soil. Drainage canals border roads and fields in an effort to ameliorate the flat terrain's regular flooding. Lake Mattamuskeet, North Carolina's largest natural lake, occupies much of the area between Engelhard and Swan Quarter, the county seat to the southwest.

The Davis School campus encompasses two buildings. The one-story, gable-roofed, redbrick and concrete block, roughly rectangular 1953 high school occupies the central north portion of the irregularly shaped 8.662-acre lot owned by Hyde County. The tall one-story, flat-roofed, rectangular 1964 gymnasium/auditorium and locker room addition extends from the 1953 building's southeast corner. The southeast classroom was expanded to the east in 1971 to create the gable-roofed cafeteria and kitchen wing north of the gymnasium/auditorium. A 1964 elementary classroom building is situated forty-two feet west of the 1953/1964/1971 building.

The grass lawn is punctuated by a few evergreen shrubs lining the 1953 school's west elevation and the 1964 classroom building's north and west walls. Concrete sidewalks extend from the asphalt-paved parking lot at the parcel's northwest corner to the primary entrances at the south end of the 1953 building's west elevation and the center of the 1964 building's east elevation. A tall flagpole rises from the lawn north of the 1964 building. South of the south sidewalk between the 1953 and 1964 buildings, a shallow concrete north-south culvert channels water into the storm drain. The area between the buildings and parking lot was graded and the sidewalks were installed in 1964.¹ The flag pole and culvert likely followed soon after.

The approximately 0.7-acre northeast corner of the tax parcel, which contains a one-story, low-gable-roofed, vinyl-sided, modular 1994 building that serves as a child care center and the chain-link-fenced enclosed playground west of the building, is excluded from the National Register boundary since the area no longer contributes to the school's significance. The three-foot-tall painted-wood fence with square posts spanned by upper and central horizontal board rails at the north end of the lawn east of the school and was erected in conjunction with the modular building, which occupies the site of the 1925

¹ B. Atwood Skinner Jr., "Addition to Davis School," October 1963. All referenced architectural drawings are in the possession of Davis High Ventures Corporation, Engelhard, N. C.

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Engelhard Ridge School that was demolished in the late 1970s or early 1980s.² The fence runs east-west on the south side of the access drive that extends from US Highway 264 to the paved parking lot, continues east to wrap around the child care center, and terminates at the unpaved parking area east of the gymnasium/auditorium.

With the exception of the ball field, recreational amenities south of the school were added by Hyde County in the early 2000s to create Engelhard Community Park. A cluster of deciduous and evergreen trees shades the one-story gable-roofed picnic pavilion with restrooms at the lot's southwest corner. The playground, fitness stations, and basketball court are located between the pavilion and ball field on the south side of the walking trail that bisects the parcel and borders its east and south edges.

Inventory List

Davis School, 1953, 1964, 1971, contributing building
Classroom Building, 1964, contributing building
Engelhard Community Park
 Ball Field, 1953, contributing site
 Basketball Court, early 2000s, noncontributing site
 Picnic Pavilion, early 2000s, noncontributing structure
 Playground, early 2000s, noncontributing site

Davis School, 1953, 1964, 1971, contributing building

Exterior

The one-story, redbrick and concrete block, roughly rectangular, 1953 Davis School epitomizes the functional Modernism often manifested in mid-twentieth-century educational buildings. Large steel-frame windows, a central flat-roofed rectangular monitor, and glazed openings in corridor walls provided ample light. The original flat roof and the monitor with groups of multi-pane wood sash spanning its east and west walls were encapsulated in a newly created attic during the 1982 construction of the asphalt-shingled gabled roof and remain substantially intact.³ Vinyl siding sheathes the gables and the south portion of the monitor's west wall.

² The precise date of the 1925 school's demolition has not been determined. It functioned as a storage building for the Hyde County school system following completion of the 1971 cafeteria and had been demolished by 1984, perhaps in conjunction with the 1982 renovation of the 1953 and 1964 buildings. Hyde County Plat Book 1, p. 10; North Carolina Department of Transportation Historical Aerial Imagery, Hyde County, 1984, <https://www.arcgis.com/apps/mapviewer/index.html> (accessed December 2022).

³ Hyde County Board of Education Meeting Minutes (hereafter abbreviated HCBEMM), 1982.

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The north and south walls and the south portion of the west elevation are veneered with red brick laid in five-to-one common bond. On the east and west elevations, groups of steel-frame windows illuminate classrooms and offices. Each classroom bay contains three eight-horizontal-pane sash, each with a four-pane central hopper, flanked by two four-horizontal-pane sash with two-pane central hoppers. The windows are framed by painted concrete-block kneewalls capped with slightly projecting painted brick sills and tall, painted, smooth cast-concrete lintels. Concrete-block pilasters with stepped bases separate the window bays. The concrete coping of the original flat roof is visible beneath the projecting soffit of the 1982 roof.

The north portion of the west elevation, which encompasses four bays of classroom windows, extends further west than the redbrick-veneered south portion, where two entrances containing double-leaf steel doors flank high two- and four-horizontal-pane office windows with slightly projecting redbrick sills. Steel-frame sidelights border the north entrance. The south door is recessed. The painted cast-concrete lintel above the doors and windows has a smooth finish. A string course of vertical painted concrete block continues south from the lintel to the wall's south end. Above the lintel and string course, vinyl siding covers the south portion of the roof monitor's west wall.

Painted plywood encloses the high two-horizontal-pane restroom window near the 1953 south elevation's west end. Above the window, a string course of vertical unpainted concrete block tops the wall beneath the vinyl-sided gable. East of the window, the shed-roofed redbrick-veneered mechanical room spans the rest of the wall. A high two-horizontal-pane sash pierces the mechanical room's west wall. On its south elevation, the concrete coping of the original flat roof is visible beneath the projecting soffit of the 1982 roof. The double-leaf louvered-steel door in the south wall's west bay is in poor condition. To the east, beneath the coal chute, a single-leaf unpainted plywood door was installed during the 1990s. The tall, square, painted-concrete-block chimney that vented the boiler rises from the main block's gabled roof at the boiler room's northeast corner.

The 1964 addition comprises the tall one-story flat-roofed gymnasium/auditorium at the school's southeast corner and the locker rooms that span the space between the 1953 building's south end and the gymnasium/auditorium's northwest corner. The brick-veneered locker room's south wall is blind. The shed roofed, T1-11-sided storage room that extends from that wall was built by Hyde County Schools facilities staff during the 1990s.⁴

The windowless variegated redbrick gymnasium walls are punctuated by full-height white-painted concrete-block pilasters on the east and west elevations and brick pilasters on the north and south elevations. The pilasters buttress the walls and support the metal truss roof system and shallow soffits. Original metal louvers that provide ventilation fill two openings in the upper portion of the second and

⁴ Richard Spencer, telephone conversation with Heather Fearnbach, May 17, 2022.

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fourth bays from the west elevation's north end. A single-leaf steel door remains in the third bay from the wall's south end. In two intermediary bays on the south elevation and the fourth bay from the east elevation's south end, tall rectangular openings with slightly projecting brick sills contain metal louvers. The double-leaf steel doors in the third bay from the east wall's south end and second bay from the north end were hung in original openings in 2005.⁵

North of the gymnasium, the shed roof extending above the east-west corridor to the concrete-block cafeteria/kitchen wing was erected in 1982. At the same time, a low-pitched gable roof was constructed above the wing's flat roof. Painted plywood sheathes the soffit and gable. The east corridor wall contains a double-leaf steel door. The single-leaf steel door on the wing's south elevation provides access to the kitchen. A small shed-roofed, vertical-board-sided, 1990s storage room projects from the south bay of the wing's east elevation. Two pairs of eight-horizontal-pane sash with four-pane central hoppers pierce the north wall. North of the wing, the main block's east elevation contains five bays of three eight-horizontal-pane sash, each with a four-pane central hopper, flanked by two four-horizontal-pane sash with two-pane central hoppers. The roof has collapsed at the intersection of the main block and wing.

The recessed double-leaf steel door at the north elevation's center is surmounted by tall metal-louver panels that replaced a steel-frame sixteen-pane transom.⁶ The string course of vertical painted-concrete block topping the redbrick walls delineates the original flat roof and monitor configuration.

Interior

The school has a double-loaded corridor plan. Entrances at the center of the north and west elevations provide access to the north-south corridor, which intersects the east-west corridor at its south end. The west half of the east-west corridor is original, while the east half was created by the 1971 enclosure of the area between the 1953 building, 1964 gymnasium, and 1971 wing. Exterior egress is possible at both ends of the east-west corridor. Traub Architecture + Design, headed by architect Gerald P. Traub, guided the phased interior renovation executed between 2000 and 2007.

The primary entrance is at the west elevation's center. South of the lobby, three offices and four storage rooms are situated west of the corridor. At the 1953 building's south end, restrooms flank the boiler room. Ten equally sized classrooms initially lined the north-south corridor. The southeast

⁵ Michael Adams of Davis High Ventures Corporation, which leases the 1953/1964/1971 school, and Margie Brooks delineated the scope of 2005 and 2007 modifications in a series of conversations with Heather Feambach from March to June 2022.

⁶ The only two sheets of 1953 Davis School drawings rendered by New Bern architects Burrett H. and Robert H. Stephens's firm that have been located are almost illegible scans. However, features such as the north transom are discernable.

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classroom was extended to the east in 1971 to create a cafeteria, kitchen, and storage room wing. Later in the twentieth century, the entire wall between two southeast classrooms was demolished to make a large library. In 2005, a portion of the wall separating the two northwest classrooms was removed to create a fitness center. The kitchen was updated to meet commercial standards and the cafeteria was remodeled to serve as a dining room in 2007.⁷ Fluorescent lighting, electrical, mechanical, and HVAC systems were replaced and added in phases throughout the building.

Original 1953 finishes include painted concrete-block walls, concrete ceiling beams, and painted V-groove ceiling boards. Although the wood ceilings are not exposed, they remain in good condition above the large rectangular Celotex-tile classroom ceilings and textured gypsum-board corridor ceilings installed in 1982 when the roof monitor was encapsulated. The dropped-acoustical-tile ceiling with integral light panels in the fitness room was installed in 2005. Classrooms with the exception of the library have dual-height ceilings, with canted interior sections that rise toward the monitor roof and flat sections that abut the exterior walls. The suspended ceilings hide HVAC systems in rooms other than the library, in which square painted-metal ductwork is exposed beneath a flat ceiling. They also obscure the monitor windows and the square openings in the upper portions of corridor walls that facilitated light transference between the corridor and flanking rooms. The type of sash in those openings is unknown, as all were removed to facilitate HVAC ductwork installation. The gypsum-board corridor ceiling is approximately three feet lower than its original height, while acoustical-tile classroom ceilings are dropped about twelve inches.

The floors—terrazzo in the corridors and vinyl-composition tile elsewhere—were covered in 1982 with larger vinyl-composition tile that remains in the corridors. In 2005, commercial-grade carpeting was installed in most classrooms and the offices. The northeast classroom that serves as an auxiliary kitchen received a sheet-vinyl floor. Plywood cabinets with double-leaf flat-panel doors, a white laminate countertop, and open upper shelves line the kitchen's west wall. The cafeteria was carpeted in 2007.

Original flat-panel wood-veneer doors with two-horizontal-pane upper sections hang in simple wood frames at the north office, gymnasium corridor, and classroom entrances. The aluminum-frame single-leaf door flanked by two-pane sidelights on the central office's east wall was added during the late twentieth century. Single-leaf five-horizontal-panel wood doors secure storage room entrances. Supplies were dispensed from the long closet lined with shelves at the office suite's northeast corner via a small square opening in its corridor wall. Wood-trimmed blackboards (now whiteboards) and bulletin boards remain in four classrooms. Built-in bookshelves flank the blackboards above the chalk and eraser ledge. The wood-trimmed bulletin board on the north-south corridor's east wall opposite the primary entrance is also original.

⁷ Traub Architecture + Design, Davis Ventures kitchen renovation, May 7, 2007.

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The cafeteria is accessible from the corridor entrance as well as two single-leaf five-horizontal-panel wood doors on the southeast classroom's south wall. The lower half of each plastered cafeteria wall was sheathed with beaded four-by-eight-foot wood-panel wainscoting in 2007. Concurrently, HVAC ductwork was installed and enclosed in the soffit that spans the south wall. A portion of the 2007 dropped-acoustical-tile ceiling at the room's west end collapsed as a result of roof damage. Concrete ceiling beams and painted V-groove ceiling boards are visible in the east portion of the room. The 2007 commercial-grade carpeting was removed following water infiltration, exposing the concrete floor.

The commercial kitchen and storage room to the east have cracked sheet vinyl floors and dropped-acoustical-tile ceilings. Fiberglass-reinforced panels sheathe the kitchen walls, while the storage room has painted-concrete-block walls. Two original single-leaf six-panel wood doors on the kitchen's west wall provide dining room egress. The storage room door at the east wall's center is identical.

The multi-stall restrooms on the east-west corridor's south side were remodeled in 2005. Original finishes include painted-concrete-block walls above parged wainscoting and square red terra-cotta-tile floors. Dropped-acoustical-tile ceilings, laminate stall partitions, laminate counters with drop-in sinks, and white porcelain lavatories were installed during the update.⁸

In the 1971 portion of the east-west corridor, the enclosed portion of the gymnasium/auditorium's west brick wall and the 1953 school southeast wall have been painted. The gypsum board sheathing on the 1971 wing's south wall was embellished in 2005 with a mural depicting recreational activities such as fishing, picnics, and playing games. The corridor has a vinyl-composition-tile floor and dropped-acoustical-tile ceiling.

The 1964 gymnasium/auditorium has painted concrete-block walls, a hardwood floor, and exposed steel roof trusses. Insulated ceiling panels above the trusses ameliorate noise during athletic events. The roof and floor were replaced in 2004 following complete destruction in September 2003 during Hurricane Isabel. In September 2019, rain from Hurricane Dorian penetrated the wall vents and again destroyed the floor, which will be replaced. At the gymnasium's northwest corner, two small locker rooms with showers flank the athletic equipment storage room. These rooms, located between the 1953 building and gymnasium, have sustained extensive ceiling damage due to roof failure. The restrooms have plaster ceilings. The storage room's roof structure—trusses and insulated ceiling panels—have always been exposed. Faux-wood paneling covers a portion of the north locker room walls.

⁸ Traub Architecture + Design, Davis Ventures restroom renovation, January 1, 2005.

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When in use as an auditorium, former students remember that a folding platform and full-height curtains were employed to create a stage at the room's south end and sawdust was scattered on the highly polished wood floor to diminish its slipperiness. Folding chairs flanked aisles for ceremonies, performances, and meetings and lined the walls during basketball games, sock hops, and dances. As the gymnasium/auditorium was the community's largest recreational venue, the building hosted myriad civic gatherings as well as school events.⁹

Classroom Building, 1964, contributing building

Exterior

The Modernist 1964 classroom building is characterized by an exposed structural system. Canted white-painted cast-concrete posts and rafters extend to support the low-pitched gable roof's deep eaves. Running-bond variegated-redbrick veneer sheathes concrete-block walls. On each of the north and south elevations, original nine-section aluminum-frame sash fill six bays above brick kneewalls capped with slightly projecting brick sills. The east and west elevations are blind with the exception of narrow steel-frame sidelights framing the single-leaf steel door at each wall's center. A tall metal-louver panel surmounts each door.

Interior

The building, which initially contained six classrooms flanking a central corridor, was renovated in phases executed between 2000 and 2009 per plans rendered by Traub Architecture + Design. Despite modifications, most original partition walls are intact and the durable finishes are in keeping with the original design. The concrete-block walls have been repainted and single-leaf flat-panel steel corridor doors with rectangular single-pane transoms and steel surrounds are intact. Vinyl-composition floor tile installed in 1982 covers corridor and restroom floors. The 1982 dropped gypsum-board corridor ceiling has a textured finish. In 2007, partition walls, commercial-grade carpeting, and dropped-acoustical-tile ceilings were installed within most classrooms to create offices, smaller classrooms, a conference room, a health care clinic, and restrooms with gypsum-board-sheathed partition walls. The central south classroom, which serves as the Hyde County Public Library, retains an open plan. New doors within divided rooms emulate the original doors. Accessible fixtures were installed in each restroom. Fluorescent lighting, electrical, mechanical, HVAC, and internet technology systems were replaced and added throughout the building.¹⁰

⁹ Azalea Mackey (entered Davis School as a first-grader in fall 1964), telephone conversation with Heather Fearnbach, May 13, 2022; Alice Spencer Mackey (1970 Davis High School graduate) and Erskine Mackey (1959 Davis High School graduate), telephone conversation with Heather Fearnbach, May 24, 2022.

¹⁰ The original finishes were smaller vinyl-composition floor tile and tectum ceiling tile. B. Atwood Skinner Jr., "Addition to Davis School," October 1963; Traub Architecture + Design, "Hyde-Davis BEC," Sheet A1.0, May 21, 2007.

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Engelhard Community Park

Ball Field, 1953, contributing site

The baseball/softball field at the parcel's southeast corner is enclosed with a chain-link fence erected in 2000.

Basketball Court, early 2000s, noncontributing site

The basketball court situated south of the playground has a concrete surface.

Picnic Pavilion, early 2000s, noncontributing structure

The gable-roofed picnic pavilion at the parcel's southwest corner is supported by square wood posts. In the west two-thirds of the structure, wood-topped tubular-steel picnic tables stand on the poured-concrete floor. T1-11 siding sheathes the restroom enclosure at the east end. Water fountains are mounted on the west wall between the restroom entrances. An unpaved parking area is located north of the pavilion.

Playground and fitness stations, early 2000s, noncontributing site

The playground lies between the picnic pavilion and ball field and contains climbing equipment and a central structure with chutes and ladders. The fitness stations north of the playground comprise a linear array of equipment including benches, parallel and pull-up bars, and steps.

Integrity Statement

Davis School retains integrity of location, setting, feeling, and association as it occupies its original site and continues to serve as an educational venue and community gathering place. The campus also possesses integrity of design, materials, and workmanship due to the retention of character-defining features of mid-twentieth-century institutional architecture including building form, finish, plan, and circulation patterns. Brick and concrete-block walls are intact. Fenestration clearly indicates original spatial function. Tall, rectangular, grouped, metal-frame, multi-pane sash illuminate classrooms in the 1953 and 1964 buildings, while the 1964 gymnasium/auditorium is windowless. Although the 1982 asphalt-shingled gable roof encapsulates the 1953 flat roof and central flat-roofed rectangular monitor, those elements are viewable from the attic and in good condition. Groups of multi-pane wood sash span the monitor's east and west walls.

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The 1953 school's double-loaded corridor plan is intact, preserving historic relationships between corridors and flanking rooms. Modifications include the 1971 expansion of the southeast classroom to create a cafeteria, kitchen, and storage room; late-twentieth-century demolition of the entire wall between two southeast classrooms; and 2005 removal of a portion of the wall separating the two northwest classrooms. Original interior features include painted concrete-block walls, flat-panel wood-veneer doors with two-horizontal-pane upper sections, single-leaf five-horizontal-panel wood doors, wood-trimmed blackboards (now whiteboards) and bulletin boards in four classrooms, concrete ceiling beams, and painted V-groove ceiling boards. Although the ceiling boards are not visible, they remain in good condition above large rectangular Celotex-tile classroom ceilings and textured gypsum-board corridor ceilings installed in 1982 when the roof monitor was encapsulated. The acoustical-tile fitness room ceiling was installed in 2005. The suspended ceilings obscure the monitor windows as well as square openings in the upper portions of corridor walls that facilitated light transference between the corridor and flanking rooms, those features remain in good condition. Original floors—terrazzo in the corridor and vinyl-composition tile in classrooms and offices—were covered in 1982 with the larger vinyl-composition tile that remains in the corridors. The tile was removed and commercial-grade carpeting installed in classrooms and offices in 2005 and the cafeteria in 2007.

The 1964 gymnasium/auditorium's painted concrete-block wall finish and exposed steel roof trusses are intact. The hardwood floor installed in 2004 after storm damage replaced the original hardwood floor. In September 2019, rain from Hurricane Dorian penetrated the wall vents and again destroyed the floor, which will be replaced. Roof destruction has resulted in significant water damage throughout the gymnasium/auditorium, locker rooms, and 1971 cafeteria/kitchen wing and finish degradation elsewhere.

The 1964 classroom building retains its original double-loaded corridor plan, painted concrete-block wall finish, and single-leaf flat-panel steel corridor doors with rectangular single-pane transoms and steel surrounds. The vinyl-composition corridor and restroom floor tile replaced smaller similar tile in 1982. When the building was remodeled in 2007, partition walls, commercial-grade carpeting, and dropped-acoustical-tile ceilings were installed within most classrooms to create offices, smaller classrooms, a conference room, and a health care clinic with gypsum-board-sheathed partition walls. The central south classroom, which serves as the Hyde County Public Library, retains an open plan.

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Archaeological Potential Statement

Davis School is closely related to the surrounding environment. Archaeological remains such as trash pits, privies, wells, and other structural remains which may be present can provide information valuable to the understanding and interpretation of the contributing structures. Information concerning land-use patterns, the structural evolution of African American school buildings, social standing and social mobility, as well as structural details, is often only evident in the archaeological record. Therefore, archaeological remains may well be an important component of the property's significance. At this time no investigation has been done to discover these remains, but it is likely that they exist, and this should be considered in any development of the property.

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Section 8. Statement of Significance

Davis School possesses significance at the local level under Criterion A in the areas of education, Black ethnic heritage, and civil rights. The campus, one of two in Hyde County that served first-through twelfth-grade African American youth during the mid-twentieth century, is the product of a statewide mid-twentieth-century campus improvement and consolidation campaign. The complex comprises a 1953 school with a 1964 gymnasium/auditorium and locker rooms and 1971 cafeteria/kitchen wing as well as a freestanding 1964 classroom. The 1953 building was constructed to supplement classrooms in the one-story, weatherboarded, 1925 Engelhard Ridge School that stood to the northeast. The 1964 gymnasium/auditorium and classroom building were erected as the Hyde County Board of Education (HCBE) attempted to "equalize" facilities for Black and white youth rather than desegregate them in compliance with federal integration mandates.

Davis School students and their families played a significant role in the African American community's 1968-1969 public school boycott in response to the HCBE's May 1968 plan to close Davis and O. A. Peay schools, consolidate all mainland Hyde County students at Mattamuskeet School, and terminate many African American faculty and staff. The plan, developed without consulting Black citizens, garnered immediate resistance. African American residents supported integration but decried the HCBE's discriminatory plan that decimated important social and cultural institutions. The "Committee of 14," a coalition of Black community leaders, enlisted the assistance of civil rights activists including Edenton-based Golden Frinks, state field secretary for the Southern Christian Leadership Conference, to coordinate acts of civil disobedience including demonstrations, marches, and sit-ins. The effort, dubbed the "Movement," garnered national attention as protestors, most of whom were children, were arrested and jailed from fall 1968 through summer 1969. Although all Hyde County schools remained open during the 1968-1969 term, most African American youth studied at home or "Movement schools" in seven churches. Black activism was met with fierce opposition, as white creditors, employers, and landlords threatened economic and social retaliation and the Hyde County Ku Klux Klan Klavern rallied.

After a year of debate and dissension, the HCBE, Black community leaders, and U. S. Office of Health, Education, and Welfare concurred that return to a freedom-of-choice integration approach would suffice for the 1969-1970 term while negotiations regarding an equitable plan continued. Due to the highly charged political environment and the necessity of taxpayer support for the May 1968 proposal, the HCBE deferred integration plan selection until after the November 1969 election. When Hyde County voters rejected the \$500,000 bond referendum to fund Mattamuskeet School's enlargement by a four-to-one margin, the HCBE agreed to utilize all three schools and retain Black faculty and staff. Beginning in fall 1970, all seventh- through twelfth-grade youth were assigned to Mattamuskeet School and Davis and O. A. Peay schools served first- through sixth-grade children. The "Movement," deemed one of the most sustained and successful civil rights protests in America by

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historian David S. Cecelski, had achieved its goals. The effort also inspired Hyde County's African American residents to advocate for social and economic parity in other arenas.

Davis and O. A. Peay schools closed at the conclusion of the 1998-1999 term following Mattamuskeet School's expansion to accommodate first through sixth grades. Hyde County still owns both schools. The Davis campus serves as the Hyde Davis Business Enterprise Center and Davis Youth Recreation and Community Center, while Hyde County Schools' administrative offices occupy the O. A. Peay campus. The period of significance for Davis School begins with the 1953 building's completion and ends in 1970, when full integration was finally achieved in Hyde County. Although the school continued to serve many of Hyde County's elementary-grade students until June 1999, its function after 1970 is not of exceptional significance.

African American Education in Hyde County and Davis School Historical Background

North Carolina's African American children were afforded limited educational opportunities during the nineteenth century. Religious groups including Moravians and the Society of Friends, known as Quakers, provided basic literacy lessons for free Blacks and enslaved people, and according to oral tradition, continued even after the General Assembly enacted legislation forbidding the education of North Carolina's enslaved population in 1830. Public schools served only white children in some urban and rural areas beginning in 1840. Terms were short and facilities primitive. In Hyde County, the Board of Superintendents of Common Schools, organized in 1841, delineated fourteen school districts that year and subsidized sixteen schools attended by 691 youth in 1850. Private academies provided more comprehensive courses of study for white students but charged tuition that was cost-prohibitive for the average family. Hyde County private schools established during the nineteenth-century included Rush Academy in Nebraska, Chapel Hill Academy in Lake Landing, and Fairfield Academy in the community of that name. In rare instances, free Black youth attended private North Carolina schools, but that was not the case in Hyde County.¹¹

Reconstruction policies included the promise of universal access to quality academic instruction. However, the North Carolina General Assembly, mandated by the state's 1868 constitution to provide free public education for all children, adopted in 1875 an amendment that allowed for the creation of "separate but equal" schools. As educational facilities relied on inequitably distributed local funding,

¹¹ Emma King, "Some Aspects of the Works of the Society of Friends for Negro Education in North Carolina," *The North Carolina Historical Review*, Volume I, Number 4, October 1924, 403; Jeffrey J. Crow, Paul D. Escott and Flora J. Hatley, *A History of African Americans in North Carolina* (Raleigh: North Carolina Department of Cultural Resources, 1992), 153; Levi Branson, *Branson's North Carolina Business Directory 1869* (Raleigh: Levi Branson, 1869), 80; Richard B. Lupton, *Olde Wickham, Little Kingdom by the Sea* (Ann Arbor, Michigan: Edwards Brothers Malloy, Inc., 2017), 137-140; Morgan Harris, "Hyde's Schools," pp. 1-3, unpublished circa 1989 manuscript in the collection of the Hyde County Historical and Genealogical Society.

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this policy left Black students with inferior buildings and supplies, shorter terms, and fewer instructors. Despite these challenges, African American leaders promoted education as a means of realizing individual potential and strengthening communities by facilitating access to future opportunities. The State Colored Education Convention, composed of 140 delegates from forty counties, met in Raleigh in 1877 to plan systemic educational improvements. Politicians in Charlotte, Greensboro, Raleigh, Washington, and Winston soon sponsored initiatives to create the state's first Black graded schools. Aspiring African American teachers undertook advanced studies at normal schools established by religious denominations and private entities in Charlotte, Concord, Elizabeth City, Fayetteville, Franklinton, Greensboro, Goldsboro, Plymouth, Raleigh, Salisbury, and Winston.¹²

The Hyde County Board of Education (HCBE), constituted in 1872, delineated twenty white school districts in September 1877 and named committees of local residents to oversee each district. Twenty African American school districts with the same boundaries were created in September 1880. District boundaries were regularly redrawn and district quantity fluctuated. Students received instruction in small, frame, purpose-built, publicly owned schools as well as in churches, homes, and other buildings on private property. Funding was apportioned based upon census data rather than enrollment, an important distinction in rural areas where enrollment was low and attendance was sporadic, particularly during planting and harvest seasons when children worked longer hours on family farms. In 1884, the HCBE disbursed \$2,216 for teacher salaries and supplies to eleven schools in twenty districts containing 1,259 enumerated Black youth ages six to twenty-one. Eleven schools in twenty-two districts with 1,410 enumerated white children received \$2,288. Public schools were more uniformly operated after North Carolina legislators established standards for county boards of education in 1885. In November of that year, a census conducted by Hyde County school district committees calculated that 1329 Black and 1392 white youth resided in the county. However, school superintendent Joseph M. Watson reported that only about 642 of 747 African American youth enrolled in seventeen schools and 597 of 823 white children at twenty schools regularly attended classes. Enrollment and attendance gradually increased through the 1890s.¹³

When state subsidies for public education became available in 1897, legislators did not apportion funds to Black schools. Local taxes and citizen contributions continued to make school operation possible. In 1898, the HCBE administered seventeen schools where attendance averaged around 828 of 1,200 enrolled African American youth and twenty-four schools that typically served approximately 808 of 1,202 white children. In January 1899, the HCBE allocated \$162.80 for Black schools and \$204.68 for

¹² Crow, et. al., *A History of African-Americans in North Carolina*, 79, 81, 100-102, 153-155; Hugh Victor Brown, *A History of the Education of Negroes in North Carolina* (Raleigh: Irving Swain Press, Inc., 1961), 32-34.

¹³ HCBEMM, Book 1, March 7, 1872, p. 1; Book 2, December 7, 1885, pp. 10-15; December 6, 1886, pp. 30-35; December 6, 1887, p. 53; January 5, 1891, pp. 92-93; January 1, 1893, pp. 105-106; "The New School Law," *Carolina Watchman* (Salisbury), March 19, 1885, p. 2; Harris, "Hyde's Schools," 3-13; Lupton, *Olde Wickham*, 142-149.

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white schools. Hyde County residents often contributed money, building materials, and labor toward school construction. The 1904 Swan Quarter school for African American children was erected by a coalition of Black and white residents. More state funding became available in the early 1910s when the general assembly designated capital for extensive improvements to all public schools. Municipal and county boards of education implemented more stringent teacher qualification standards, undertook building renovation and construction, and consolidated smaller schools. Between 1910 and 1912, rural North Carolina communities erected 132 African American and 574 white schools, many using plans distributed by the Department of Public Instruction. The HCBE commissioned the construction of schools for white students in Sladesville and Engelhard, both completed in 1911. The following year, the state enumerated 2,226 rural and 105 urban Black schools and 5,265 rural and 181 urban white schools. A Sladesville school for African American youth was erected in 1913.¹⁴

Despite some progress, inherent disparities between Black and white educational facilities prevailed. Prominent educators including Nathan C. Newbold, James B. Dudley, and Charles H. Moore thus began addressing the appalling condition of African American schools. Newbold, appointed Agent for Rural Black Schools in 1913, remained in that role until becoming the state's first Director of the Division of Negro Education upon its 1921 creation. With the aid of philanthropic concerns such as the Jeanes, Peabody, Rosenwald, and Slater Funds, he hired supervisors and teachers for rural schools and orchestrated building upgrades. In April 1917, Newbold, who regularly traveled throughout the state to promote Black education, delivered an address at the first collective commencement ceremony for Hyde County's African American students. At that time, Rhoda A. Warren, trained at Tuskegee Institute, was Hyde County's Black school supervisor. Her duties included grant and donation solicitation for the establishment of an African American high school and summer work as a home demonstration agent.¹⁵

Beginning around 1918, North Carolina's first public secondary schools for Black youth, located in highly populated counties such as Durham, Forsyth, Guilford, Mecklenburg, and Wake, offered a few years of high school coursework. Earlier private schools including Palmer Memorial Institute in

¹⁴ State legislators first allocated funds for black elementary schools in 1910. HCBEMM, Book 2, July 10, 1899, pp. 178-179, April 3, 1911, pp. 399-400; Harris, "Hyde's Schools," 15-16; Jim Sumner, "The Development of North Carolina's Public School System through 1940," context essay prepared for the Survey and Planning Branch of the North Carolina Historic Preservation Office, 1990, 5-6; William S. Powell, *North Carolina through Four Centuries* (Chapel Hill: University of North Carolina Press, 1989), 445-447; North Carolina Department of Public Instruction, *Biennial Report of the Superintendent of Public Instruction to Governor W. W. Kitchin for the Scholastic Years 1910-11 and 1911-12* (Raleigh: Edwards and Broughton, 1912), 8-9; Lupton, *Olde Wickham*, 149, 157-158.

¹⁵ "Attends Commencement," *News and Observer* (Raleigh), April 6, 1917, p. 17; Crow, et. al., *A History of African Americans in North Carolina*, 155-158; Brown, *A History of the Education of Negroes in North Carolina*, 61, 64; James D. Anderson, *The Education of Blacks in the South, 1860-1935* (Chapel Hill: University of North Carolina Press, 1988), 204; Hugh Victor Brown, *E-Qual-ity Education in North Carolina Among Negroes* (Raleigh: Irving Swain Press, Inc., 1964), 129-130; Lupton, *Olde Wickham*, 158-159.

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Guilford County, established in 1902 by African American educator Charlotte Hawkins Brown, and Laurinburg Institute in Scotland County, created in 1904 by Emmanuel Monty and Tinny McDuffie, remained alternatives for black children from counties such as Hyde in which public secondary education was not available.¹⁶

North Carolina strengthened compulsory school attendance legislation in 1919, resulting in escalated enrollment that could not be contained on existing campuses. The Department of Public Instruction's 1921 inventory of 7,467 public schools revealed that 3,698 one-room and 2,460 two-room schools served the state's children. The vast majority of those buildings were frame, but eighty-one log and 248 brick structures remained in use. Most housed first through seventh grades; only seventy of one hundred counties, including Hyde, operated at least one rural high school.¹⁷ County school superintendents and boards of education subsequently oversaw widespread building enhancements, new school construction, and a consequent reduction in the total number of campuses and school districts. Statewide road improvements facilitated school consolidation by allowing for more efficient busing.

School curriculums changed in 1920 after the Department of Public Instruction implemented academic benchmarks and high school ratings. The school system mandated that institutions interested in standard high school classification offer seventh- through eleventh-grade courses during school sessions of at least 160 days, possess a minimum of three certified teachers and forty-five pupils in average daily attendance, and execute a department-approved study program utilizing appropriate materials. To improve deficient facilities and instructor caliber, North Carolina disbursed eighteen million dollars in operational funds to public African American elementary and high schools, summer programs, normal schools, and colleges between 1921 and 1925. Of that amount, teacher salaries totaled around ten million dollars, new buildings and equipment five million dollars, and teacher training and higher education almost three million dollars. By the end of the 1920-1921 term, 116 public high schools for white students had attained accreditation. In 1924, the state certified twenty-one Black campuses: four normal, three rural, and fourteen urban schools. At the close of the 1929-1930 academic year, the Department of Public Instruction enumerated sixty white and sixty-eight black accredited high schools.¹⁸

¹⁶ Crow, et. al., *A History of African Americans in North Carolina*, 155-158.

¹⁷ HCBEMM, Book 3, November 1, 1920, pp. 73-76; Jim Sumner, "The Development of North Carolina's Public School System through 1940," p. 7, appendices.

¹⁸ Sumner, "The Development of North Carolina's Public School System through 1940," pp. 17-18, appendices; North Carolina Department of Public Instruction, "Biennial Reports of the Superintendent of Public Instruction," 1921-1930, State Archives of North Carolina, Raleigh; North Carolina State Board of Charities and Public Welfare, "North Carolina's Social Welfare Program for Negroes," Special Bulletin Number 8, Raleigh, N. C., 1926, 42.

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Hyde County's public educational system manifested statewide trends as the HCBE consolidated schools and initiated campus improvement projects. In 1920, African American youth attended eighteen schools, while white children were assigned to twenty-seven schools. The Lake Landing District had the largest number of Black schools—California, Engelhard, Ridge, Middleton, Nebraska, Slocum, and Saint Lydia—all of which served first- through seventh-grade students. The HCBE employed seventy-four teachers, twenty-four of whom were African American. A 1923 county-wide facility assessment concluded that all but three Black schools required significant repair.¹⁹

As school administrators sought to construct new buildings, they solicited funding from philanthropic concerns, the state, and community members. The Rosenwald Fund, Slater Fund, and General Education Board, all organizations devoted to improving educational opportunities for southern African American children, provided critical support for the construction and operation of Hyde County's Black schools. Between 1915 and 1932, the Rosenwald Fund, in collaboration with local and state boards of education and private citizens, facilitated the completion of 813 North Carolina buildings, including schools, teachers' residences, and industrial education shops, more than in any other state. In addition to financial contributions, the foundation provided architectural drawings for buildings of various types and sizes. The two-story, hip-roofed, weatherboarded, 1921 Hyde County Training School, which had a six-classroom plan, was erected in Sladesville at a cost of \$7,600, \$2,000 of which was contributed by African American community members, \$1,600 by the Rosenwald Fund, and \$4,000 by the HCBE and State Literary Fund. Between 1918 and 1923, the Slater Fund and General Education Board respectively contributed \$2,883 and \$1,790 toward the training school's construction, furnishings, and teacher salaries. Local contractor S. D. Cox built the one-story, side-gable-roofed, weatherboarded, three-classroom Engelhard Ridge School west of Engelhard in 1925 at a cost of \$3,700. African American residents raised \$1,000, the Rosenwald Fund contributed \$900, and the State Literary Fund provided \$2,300. Neither school is extant.²⁰

In 1927, seventeen schools served the county's African American children. In addition to Engelhard Ridge School, four schools—Carmur, Green Hill, Lake Road, and Saint Lydia—had been erected since 1924, replacing obsolete buildings. Children typically walked to schools. However, as high school courses were only offered at the training school in west Hyde County, which was a considerable distance from many homes, teenagers often boarded with families in Sladesville during the week. The teacherage provided lodging for some educators, while the principal resided in a modest dwelling near

¹⁹ HCBEMM, Book 3, August 6, 1923, p. 204; August 11, 1923, p. 207; September 3, 1923, pp. 207-211; Harris, "Hyde's Schools," 17-19; Lupton, *Olde Wickham*, 158-159.

²⁰ Although Hyde County Training School was in Sladesville, its mailing address reflected the location of the closest U. S. Post Office in Scranton. HCBEMM, Book 3, January 7, 1924, p. 230; March 3, 1924, p. 236; August 4, 1924, p. 237; "Hyde County Schools," Fisk University Rosenwald Fund Card File Database, Julius Rosenwald Fund Archives, 1917-1948, John Hope and Aurelia E. Franklin Library, Special Collections, Fisk University, <http://rosenwald.fisk.edu> (accessed in May 2022).

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the school. Lancaster, South Carolina native Oscar A. Peay became Hyde County Training School's principal in March 1930, commencing what would be a thirty-one-year tenure in that role. During the 1930-1931 term, four teachers instructed 175 children enrolled in first through seventh grades. Peay and his wife Rosalie Hill Peay, both Atlanta University alumni, taught thirty-seven eighth- through eleventh-grade students. After twelfth-grade courses were added in fall 1934, O. A. Peay successfully petitioned the State Board of Education for the school's accreditation, which was awarded in 1935.²¹

The economic challenges that ensued from the Great Depression limited facility improvements during the 1930s. The HBCE's cost-savings measures included the 1931 relocation of Lake View School, which had been erected for white children, to Saint Lydia to accommodate African American youth. Between 1932 and 1935 the North Carolina Emergency Relief Administration (NCERA), the state's first New Deal program that created jobs for unemployed citizens, subsidized education-related projects in Hyde County including well pump installation at Saint Lydia, Slocum, and Swan Quarter schools for African American youth, Slocum School building repair, and playground construction at Swan Quarter High School, which served white children. NCERA also provided funds for school nurse training, lunchroom operation, and privy construction countywide.²²

As the economy recovered in the late 1930s, the HCBE benefited from federal Works Progress Administration (WPA) grants that facilitated educational building renovation and construction as well as lunch room and library operation from 1935 through 1943. The program also sponsored adult academic instruction and vocational training, much of which took place at public schools. WPA, state, and local funds were utilized to erect seventy-nine and repair twenty North Carolina gymnasiums by 1940. In Hyde County, WPA grants enabled the 1937 dismantling of Lake Landing School and use of the materials to build a gymnasium and agriculture building at Engelhard School as well as the 1940 construction of a frame gymnasium at Sladesville School at a cost of \$9,996. Both campuses served white students.²³

²¹ "History of Hyde County Training School," Hyde County Schools scrapbook, Lupton, *Olde Wickham*, 158-159; North Carolina Department of Public Instruction, Division of Instructional Services (hereafter abbreviated NCDPI, DIS) "Hyde County Training School," Principal's Annual High School Reports, 1930-1931 and 1935-1936, State Archives of North Carolina, Raleigh.

²² J. S. Kirk, Walter A. Cutter and Thomas W. Morse, eds. *Emergency Relief in North Carolina: A Record of the Development and Activities of the North Carolina Emergency Relief Administration, 1932-1935* (Raleigh: North Carolina Emergency Relief Administration, 1936), 489-490.

²³ North Carolina Works Progress Administration, *North Carolina WPA: Its Story* (Raleigh: North Carolina Works Progress Administration, 1940), 14-16, 33; Fred J. Cohn, "29,449 Adults Now In School Under Program," *Citizen-Times* (Asheville), October 23, 1938; "WPA Program Touches Thousands," *Greensboro Daily News*, October 23, 1938; "WPA Plans Fight on Blister Rust," *News and Observer*, November 11, 1939, p. 3; "At Hyde Dedication," *News and Observer*, December 4, 1940, p. 5; HCBEMM, Book 4, November 4, 1940, p. 140; Harris, "Hyde's Schools," 20; Lupton, *Olde Wickham*, 156.

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The African American community supported Engelhard Ridge and Hyde County Training schools by establishing Parent-Teachers Associations to assist with fundraising, student programs, and events such as holiday celebrations, talent contests, festivals, and fairs. The schools hosted educational and recreational events and clinics for myriad civic groups, churches, and government agencies such as the agricultural extension service and health department. As measles, mumps, chicken pox, pneumonia, and scarlet fever annually reduced attendance in the winter and early spring health care providers inoculated youth for the aforementioned diseases and others such as typhoid. During World War II, students and faculty purchased defense stamps, collected donations for the Red Cross, and collaborated with the Agricultural Workers Council to plant Victory Gardens. Engelhard Ridge School's garden won a first-place award in May 1943. African American farmers throughout Hyde County increased vegetable and poultry production in conjunction with the "Food for Freedom" program.²⁴

Following World War II, the HCBEMM began to undertake school construction and maintenance that had been deferred due to material and labor shortages. School consolidation continued as buildings were erected from the late 1940s through the 1960s to remedy overcrowded conditions and replace obsolete structures. In 1945, white students attended five consolidated schools, while Black students were assigned to thirteen schools, twelve of which were small frame buildings with three or fewer teachers. Hyde County Training School, with ten faculty including principal O. A. Peay, remained the only campus offering first- through twelfth-grade instruction. Between 1946 and 1949, Hyde County school superintendent Nollie W. Shelton budgeted \$26,500 for repairs, new construction, and furnishings at African American campuses. However, as most facilities remained inadequate despite improvements and steadily declining enrollment necessitated fewer campuses; four African American schools were closed. Engelhard Ridge School was enlarged in 1948 with two classrooms to facilitate the addition of high-school level instruction. During the 1949-1950 term, the school accommodated first- through eleventh-grade youth in seven classrooms, one of which also functioned as the lunchroom. Five teachers instructed 149 elementary-grade students, who participated in glee, choral, and book clubs; played basketball, baseball, and softball; and enjoyed slides and swings installed that year. Principal Alonzo V. Slade and C. H. Rogers taught forty-six high school students in two classrooms. All seniors attended Hyde Training School, which offered a broader curriculum including agriculture and Spanish courses. Fifteen youth graduated in spring 1950.²⁵

²⁴ "Community Fair on Thanksgiving Day," *The Training School Banner*, December 15, 1938; "Engelhard School Closed," *News and Observer*, January 25, 1940, p. 2; S. M. Sheppard, "Negro Teachers Meet at Swan Quarter School," *Hyde County Herald* (Swan Quarter), October 23, 1941, p. 4; B. W. Barnes, "Hyde Negroes Growing Food for Freedom," *Hyde County Herald* (June 4, 1942, p. 4; "Garden Contest Staged in Hyde," *News and Observer*, May 10, 1943, p. 8; David S. Cecelski, *Along Freedom Road: Hyde County, North Carolina, and the Fate of Black Schools in the South* (Chapel Hill: University of North Carolina Press, 2000), 64.

²⁵ HCBEMM, Book 4, November 4, 1940, pp. 140-141; January 16, 1947, pp. 181-182; July 7, 1947, pp. 185-186; January 5, 1948, p. 188; April 5, 1948, p. 190; July 8, 1948, p. 193; January 3, 1949, pp. 193-194; North Carolina Department of Public Instruction., *Educational Directory of North Carolina, 1945-1946* (Raleigh, 1945), 64; *Educational*

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In July 1950, the HCBE adopted a plan proposed by the State Board of Education to further consolidate instruction at a small number of existing and new campuses. Although building material scarcity and increased cost during the Korean War slowed the plan's implementation, a campus improvement program subsidized by the state was soon underway. African American students benefited from two new facilities: the twelve-classroom Hyde County Training School in Swan Quarter, which replaced the campus in Sladesville, and Davis School, a ten-classroom building in Engelhard. When the \$81,649 Davis School was placed into service in September 1953, the 1925 Engelhard Ridge School to its northeast remained in use, housing elementary classrooms and the lunchroom. However, the entire campus was known as Davis School. Hyde County Training School was completed in December 1953 at a cost of \$112,533. New Bern architects Burrett H. and Robert H. Stephens's firm rendered plans for both buildings as well as improvements at white campuses including a five-room addition at Swan Quarter School, which became West Hyde High School in 1955, and a cafeteria and home economics classroom at Engelhard School, renamed East Hyde High School in 1955. The HCBE awarded contracts for all four projects to general contractor C. C. Haynes Jr. Construction Company and Lloyd and Copeland (plumbing) of Durham, McGirt's Plumbing and Heating Company of Maxton, and Robbins Electrical of Rocky Mount.²⁶

North Carolina school superintendent N. W. Shelton gave the keynote address at Davis School's October 1953 dedication. Other speakers included the school's new principal Johnson E. Spruill, P. T. A. president D. A. Brown, and Reverend J. A. Mackey, pastor of Zion Temple Baptist Church in Sladesville. A large crowd gathered to celebrate the occasion and the legacy of Davis School's namesake, white general store proprietor, farmer, and HCBE member William Calvin Davis (1868-1948), whose support for African American education included a \$1,000 donation for the 1948 addition to Engelhard Ridge School.²⁷

Nine teachers taught 296 first- through eighth-grade students during the 1954-1955 term. There were two first-grade classes that year. Principal J. E. Spruill, Christine V. Britt, and G. W. McMillan instructed sixty-eight high school students, fourteen of whom graduated. Spruill taught history and general math and monitored study hall, Britt was the English and health teacher, and McMillan taught

Directory of North Carolina, 1950-1951, 66-67; "Engelhard Ridge School," *Principal's Annual Elementary and High School Reports, 1949-1950*; Harris, "Hyde's Schools," 21; Lupton, *Olde Wickham*, 163-165.

²⁶ The HCBE received a \$140,000 state appropriation to subsidize campus improvements in May 1951. "Funds Marked by N. C. Board for Schools," *News and Observer, August 8, 1952*, p. 27; HCBEMM, Book 4, October 2, 1950, p. 212; May 9, 1951, pp. 217-218; July 24, 1951, p. 228; November 20, 1951, p. 233; April 22, 1952, pp. 240-241; July 7, 1952, pp. 244-245; April 6, 1953, pp. 253-254; January 4, 1954, p. 268; Harris, "Hyde's Schools, 21-22; Lupton, *Olde Wickham*, 162-164.

²⁷ *Davis High Echo* (student newspaper), Vol. 1, No. 1, May 1954; U. S. Census, *Population Schedules, 1900-1940*; death certificate; HCBEMM, Book 4, January 1, 1953, pp. 251-252; April 6, 1953, pp. 254-255.

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advanced math, science, and citizenship, and supervised physical education. He coached the school's first basketball team, organized in fall 1953, as well as the softball team. The basketball court was located between the 1953 and 1925 buildings and the ball field was southeast of the school. Students published the initial issue of the *Davis High Echo* in May 1954. Campus improvements in 1954-1955 included construction of an arch over the walkway leading to the 1953 building's primary entrance and a U-shaped driveway with brick posts flanking its entrances, neither of which are extant. The P. T. A. raised funds for playground equipment and a stove, tables, and chairs for the lunchroom.²⁸

Students from Fairfield (Carmur) School, the last elementary school for African American children to be consolidated, were assigned to Davis and Hyde County Training schools in fall 1955. Although the HCBE began requesting state funds for the construction of two classrooms and a lunchroom at Davis School in 1955, it would be almost a decade before an appropriation allowed for campus improvements. In the meantime, enrollment steadily grew, at times exceeding that of Hyde County Training School. In fall 1956, approximately 293 elementary and seventy-five high school youth regularly attended classes at Davis School, compared with 246 primary and fifty-three secondary-level children at Hyde County Training School. During the 1957-1958 term, 279 primary and eighty-three secondary Davis School youth were instructed by principal Spruill and eleven other teachers including his wife Lillian H. Spruill. Enrollment was comparable in 1959-1960, when 298 elementary-grade children studied in nine classrooms, five of which were in the 1925 building. Sixteen of eighty-two high school students graduated.²⁹

In addition to their primary function, Davis and Hyde County Training schools continued to serve as community gathering places. Student plays, recitals, ceremonies, and other programs were open to the public. Area residents also gathered to support youth sports and attend events such as banquets, choir rehearsals, concerts, dances, and alumni homecomings. May Day, a celebration that involved students dancing around a tall Maypole while wrapping it with colorful ribbons, drew large crowds. Hyde County Training School celebrated Founder's Day each year on March 4th, the date of O. A. Peay's 1930 arrival to serve as the institution's principal. The Hyde County Training School Alumni Association, organized in June 1949, coordinated annual Memorial Day weekend gatherings with hundreds of attendees, many returning to Hyde County from Brooklyn, Norfolk, Philadelphia, and Washington, D. C., where large contingents of graduates found work. Alumni raised funds to subsidize student scholarships and campus improvements. Prior to the 1964 construction of a

²⁸ "Davis High School," Principal's Annual Elementary and High School Reports, 1954-1955; *Davis High Echo* (student newspaper), Vol. 1, No. 1, May 1954; HCBEMM, Book 4, April 20, 1954, pp. 273-274; Alice Spencer Mackey and Erskine Mackey, telephone conversation with Heather Fearnbach, May 24, 2022.

²⁹ HCBEMM, Book 5, August 26, 1955, p. 6; December 20, 1956, p. 43; January 7, 1957, p. 44; June 4, 1957, p. 55; July 30, 1957, p. 58; April 7, 1958, pp. 76-78; June 11, 1958, p. 80; "Chairman Berry Offers Figures on Enrollment," *Belhaven Pilot*, April 19, 1956, p. 2; Lupton, *Olde Wickham*, 162-163; Harris, "Hyde's Schools," 21-23; "Davis High School," Principal's Annual Elementary and High School Reports, 1959-1960.

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gymnasium/auditorium at each school, classrooms and libraries were utilized for some events and meetings while others were held on the grounds.³⁰

Davis and Hyde County Training schools' principals and teachers were respected leaders with deep community connections. Faculty boarded with local families, attended church services, joined civic organizations, and frequented local businesses, building relationships that contributed to a nurturing school environment in which students were inspired to achieve and held to high standards. The pedagogical approach espoused by principals and faculty facilitated development of academic, leadership, and teamwork skills and fostered personal growth, thus empowering youth to pursue higher education and realize community uplift. Many graduates attended college and became business owners, educators, lawyers, judges, physicians, writers, and community leaders actively engaged in social and political advocacy, often far from Hyde County.³¹

School Integration in Hyde County

Although the U. S. Supreme Court's 1954 ruling in *Brown v. Board of Education of Topeka, Kansas* decreed that racial segregation in public schools was unconstitutional, most municipalities integrated slowly. The court addressed this recalcitrance in its May 1955 *Brown v. Board of Education II* opinion by mandating expedient desegregation. North Carolina's state legislature subverted the process by passing the 1955 Pupil Assignment Act, which afforded local school districts complete latitude in delineating student placement and thus perpetuated segregation. Governor Luther H. Hodges' administration also crafted the Pearsall Plan, enacted in September 1956, which codified integration avoidance mechanisms including school closure and provided state tuition subsidies for white students to attend private schools. The HCBE adopted both measures.³²

The Charlotte, Greensboro, and Winston-Salem school boards were the first in the state to allow African American students to apply for admission to white schools in the summer of 1957. The few Black Hyde County parents who petitioned to obtain placements for their children at white schools between 1955 and 1965 were unsuccessful, as the HCBE rejected all applications for school transfers during that time. The Hyde County chapter of the NAACP, organized in the mid-1950s, began pressing for school integration in the early 1960s.³³

³⁰ Cecelski, *Along Freedom Road*, 68; Azalea Mackey, telephone conversation with Heather Fearnbach, May 13, 2022; Archie Green, telephone conversation with Heather Fearnbach, May 16, 2022; Alice Spencer Mackey, telephone conversation with Heather Fearnbach, May 24, 2022.

³¹ Ibid.

³² "Supreme Court Orders Local Officials to End School Segregation 'as Soon as Practicable,'" *Winston-Salem Journal*, June 1, 1955, p. 1; Cecelski, *Along Freedom Road*, 24-26.

³³ Cecelski, *Along Freedom Road*, 33-37; Jeffrey J. Crow, Paul D. Escott, and Flora J. Hatley, *A History of African Americans in North Carolina* (Raleigh: North Carolina Department of Cultural Resources, 1992), 171-173.

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In an attempt to appease African American residents by "equalizing" facilities, the HCBE undertook improvements at Hyde County Training and Davis schools during the late 1950s and early 1960s. Architect Robert H. Stephens rendered plans for the four-classroom Hyde County Training School addition erected in fall 1957 by general contractor Kellog-Cuthrell, Inc., Corey Plumbing Company, and DeMers Electric Company at a cost of \$39,950. After longtime principal O. A. Peay died in August 1961, the HCBE finally agreed to rename the campus in his memory. The Hyde County Training School P. T. A., alumni association, and other community members had been petitioning for the name change since April 7, 1958. In November 1963, Hyde County residents approved issuance of a \$340,000 bond to subsidize the 1964 construction of three buildings designed by Wilson architect B. Atwood Skinner Jr.: almost identical gymnasium/auditoriums on each campus, a vocational building at O. A. Peay School, and a freestanding elementary classroom building at Davis School that supplemented the woefully inadequate 1925 Engelhard Ridge School. The 1925 building remained in use as it contained the lunchroom, a few classrooms, and storage rooms. Charles E. Boone, a Davis High School teacher who became principal in fall 1963, oversaw the 1964 projects' completion and the expansion of the high school curriculum to include home economics, typing, shorthand, and French courses. Eighty-six ninth- through twelfth-grade students regularly attended classes during the 1964-1965 term. Thirteen of fifteen seniors graduated in May 1965. During the 1965-1966 term, thirteen educators instructed 336 first- through eighth-grade youth. Extracurricular activities included a trip to the North Carolina State Fair in Raleigh.³⁴

Although the Civil Rights Act of 1964 mandated school integration as a prerequisite for federal funding eligibility, it was not until the late 1960s that the HCBE, like most North Carolina school systems, initiated efforts to completely integrate school districts. The freedom of choice plan, enacted in 1965, would presumptively allow parents to choose which schools their children would attend. However, few Hyde County citizens took advantage of this opportunity due to the social and economic ramifications of challenging the entrenched Jim Crow system. In summer 1965, the HCBE granted the requests of twenty-one African American students including Ronald Blunt, Nancy Owens, Nora Lee Spencer, and Linda Weston to transfer from Davis and O. A. Peay schools to the newly constructed Mattamuskeet School that fall. The aforementioned youth became the first Black graduates of an integrated Hyde County high school. Black students struggled in a predominantly white environment without the comradery and support they had enjoyed at Davis and O. A. Peay schools, and transfers quickly diminished to seven in fall 1966 and three in fall 1967. No white students requested transfer to

³⁴ HCBEMM, Book 4, March 21, 1955, pp. 295-286; Book 5, December 14, 1955, p. 10; December 20, 1956, pp. 43; January 7, 1957, p. 44; May 28, 1957, pp. 53-54; January 9, 1958, p. 72; March 25, 1958, p. 74; April 7, 1958, p. 76, 78; "Hyde School Annex Dedicated," *News and Observer*, February 19, 1958, p. 10; "O. A. Peay," *News and Observer*, August 9, 1961, p. 3; "Davis High School," Principal's Annual Elementary and High School Reports, 1964-1965 and 1965-1966; B. Atwood Skinner Jr., "Addition to Davis School," October 1963; Lupton, *Olde Wickham*, 166-167.

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Davis or O. A. Peay schools. Hyde County's public schools were the most segregated in North Carolina during this period. The U. S. Office of Health, Education, and Welfare (HEW) addressed the disparity in April 1967; informing the HCBE that the freedom of choice plan was not resulting in sufficient integration. A federal court judge ruled the plan unconstitutional and an invalid means of desegregating schools in 1968. That finding encouraged student busing to achieve racial integration, a practice that soon became widespread.³⁵

Without consulting Black citizens, the HCBE adopted an integration plan approved by the HEW in May 1968 that would have closed Davis and O. A. Peay schools and terminated many African American faculty and staff. All 1,400 youth residing in Hyde County, 850 of whom were Black, would attend the centrally located Mattamuskeet School. The campus, which had since its fall 1964 completion served all of Hyde County's white elementary and high school students and a few African American youth, was already overcrowded. The proposed approach garnered immediate resistance from Black residents, who supported integration but decried the discriminatory plan that decimated important social and cultural institutions. The community designated the "Committee of 14," six men and eight women representing seven Black congregations, to negotiate with the HCBE for involvement in desegregation planning, African American faculty and staff retention, and ongoing utilization of Davis and Peay schools as integrated campuses. A broad coalition of Hyde County residents regularly gathered that summer to debate resistance strategies.³⁶

In late August 1968, the Committee of 14, thwarted in their efforts to negotiate an equitable integration approach with the HCBE, enlisted the assistance of civil rights activists including Edenton-based Golden Frinks, state field secretary for the Southern Christian Leadership Conference, to coordinate acts of civil disobedience including a public school boycott, demonstrations, marches, and sit-ins. The effort, dubbed the "Movement," garnered national attention as protestors, many of whom were children, were arrested and jailed from fall 1968 through summer 1969 for actions including playing basketball and releasing chickens in the streets of Swan Quarter. Participant Azalea Mackey, who was nine at the time, remembers that children were centrally clustered at marches for their protection. She assisted her grandmother and other elders as they made quilts to sell to raise funds for the movement. Alice Spencer, a rising high school junior, kept financial records, wrote press releases, recruited speakers, and planned events. Activists met in churches each evening to determine the following day's schedule. As demonstrations continued, youth refused to return to public schools, and racial tension escalated, Hyde County sheriff Charles Cahoon requested support from the state highway patrol. By November 22nd, approximately 125 demonstrators had been arrested, typically for blocking traffic, and jailed in Hyde and neighboring counties. State and Federal Bureau of Investigation agents were

³⁵ Crow, et. al., *A History of African Americans in North Carolina*, 171-173; Cecelski, *Along Freedom Road*, 33-37, 41, 50-51; Lupton, *Olde Wickham*, 167-168.

³⁶ Cecelski, *Along Freedom Road*, 36-37, 57, 59, 74-76.

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dispatched to Hyde County to prevent violence. On February 9, 1969, approximately 125 activists began a 184-mile march from Job's Chapel in Swan Quarter to Raleigh. The group rode buses between the municipalities in which they demonstrated. Supporters joined the group during the six-day trip, resulting in an almost six-hundred-person contingent by the time activists arrived in Raleigh.³⁷

Although the majority of Hyde County's African American youth refused to attend public schools during the 1968-1969 term, all three schools remained open. Black enrollment was negligible, ranging from eighteen at Davis, thirteen at O. A. Peay, and seven at Mattamuskeet schools in September 1968 to seventy, seventy-four, and twenty-two students at the respective schools in February 1969. Faculty and staff were placed in the untenable position of being required to report to campus or face job loss. Most refrained from overtly participating in boycott activities, but supported the effort in myriad ways. Teachers attended evening planning events and assisted parents and coordinators of the Movement schools in seven churches develop study programs.³⁸

Some white Hyde County residents responded aggressively to Black activism. The most violent altercation took place on July 4, 1969, after a sniper fired into a car occupied by four African American youth near a Ku Klux Klan meeting in Middleton, southeast of Engelhard. In response, 125 Black citizens surrounded the hall where eighty Klansmen had gathered. Sheriff Cahoon and state troopers were unable to disperse the groups for hours, during which time Klan members' attempt to burn a cross resulted in an exchange of gunfire that wounded Debra Collins, a twelve-year-old African American Engelhard resident, as well as several policemen. Seventeen Klansmen were arrested at the scene and seven Black participants were later fined. The event epitomized the racial discord that roiled Hyde County in 1968 and 1969 as African American attempts to negotiate integration were met with covert and overt oppression.³⁹

³⁷ Roy Hardee, "Youths Arrested in Swan Quarter," *News and Observer*, November 13, 1968, pp. 1-2; Roy Hardee, "238 March to Hyde Co. Courthouse," *News and Observer*, December 1, 1968; "March on Raleigh to Begin Today," February 7, 1969; Roy Hardee, "18 Negroes Apologize; Get Release," *News and Observer*, January 12, 1969; Cecelski, *Along Freedom Road*, 78-82, 86-93, 100-101; Azalea Mackey, telephone conversation with Heather Fearnbach, May 13, 2022; "How One Rural North Carolina County Made Civil Rights History," WUNC interview with David Cecelski, Alice Spencer Mackey, and Azalea Mackey, May 28, 2019; Goldie Frinks Wells and Crystal Sanders, *Golden AfroFinks: Telling the Unsung Song* (Salt Lake City: Aardvark Global Publishing, 2009), 112-119.

³⁸ Cecelski, *Along Freedom Road*, 120-123; Azalea Mackey, telephone conversation with Heather Fearnbach, May 13, 2022; Lupton, *Olde Wickham*, 167-168.

³⁹ Although the Hyde County Klavern, organized in mid-1965, had less than fifty members, some large Klan rallies drew several hundred spectators. "James Earl Ray's Lawyer Hired" and "Seven Negroes Arrested for Klan Klashing," undated July 1969 clipping from unidentified newspaper in scrapbook in the possession of Michael Adams; Cecelski, *Along Freedom Road*, 39-41, 145-146; Azalea Mackey, telephone conversation with Heather Fearnbach, May 13, 2022.

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To avoid another year of demonstrations, the HCBE presented two integration options that summer. The first reiterated the May 1968 plan that had triggered the boycott: closing Davis and O. A. Peay schools and consolidating all mainland Hyde County students at Mattamuskeet School, which would have to be significantly expanded at a cost of approximately \$500,000 subsidized by municipal bond issue and a correlated tax increase. The second plan would utilize Davis and O. A. Peay as elementary schools and Mattamuskeet as the high school. This plan was by far the most pragmatic, as few facility modifications would be necessary, younger students would have shorter commutes, and elementary and high school students would be separated. Due to the highly charged political environment and the necessity of taxpayer support for the first option, the HCBE deferred plan selection until after the November 1969 election. As the issue could not be resolved before classes began in September, the HEW, HCBE, and African American community agreed that a return to the freedom of choice integration approach would suffice for the 1969-1970 term. In November, the bond referendum was defeated by a four-to-one margin and the second plan was adopted. The "Movement," deemed one of the most sustained and successful civil rights protests in America by historian David S. Cecelski, had achieved its goals. Hyde County's African American residents continued advocating for social and economic parity in arenas such as voter rights, compensation, business and public facility access, local government representation, and employment opportunity.⁴⁰

Black youth returning to school in fall 1969 did not receive credit for their education at home and at "movement schools" led by retired teachers, college and high school students, parents, and other volunteers at seven Black churches. However, Alice Spencer Mackey and Azalea Mackey both felt that they received ample instruction and were more motivated and higher achieving students when they resumed classes at Davis School. Azalea remembered Black faculty members and progressive young white educators collaborated to ease the transition. In 1969-1970, principal Charles E. Boone and twelve teachers instructed 193 first- through eighth-grade and 115 ninth- through twelfth-grade students. Sixteen youth including Alice Spencer graduated. Bookkeeping and industrial arts had been added to the curriculum and French was dropped. Beginning in fall 1970, when full integration was finally achieved, Davis and O. A. Peay schools served first- through sixth-grade children, while seventh- through twelfth-grade youth were assigned to Mattamuskeet School.⁴¹

⁴⁰ Cecelski, *Along Freedom Road*, 98-99, 152-153, 159-162, 168; "How One Rural North Carolina County Made Civil Rights History," WUNC interview.

⁴¹ "Davis High School," "Principal's Annual Elementary and High School Reports," 1969-1970; Roy Hardee, "HEW Oks Hyde School Plan," *News and Observer*, July 23, 1969, p. 3; *Educational Directory of North Carolina*, 1969-1970, 58; Cecelski, *Along Freedom Road*, 101; Azalea Mackey, telephone conversation with Heather Fearnbach, May 13, 2022; Alice Spencer Mackey, telephone conversation with Heather Fearnbach, May 24, 2022.

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Older students proactively organized a biracial planning committee to delineate protocol for merging aspects of campus life including athletics, clubs, extracurricular activities, student government, homecoming, prom, and graduation. Equal Black and white representation was required in every arena. In the process of faculty integration, Davis and O. A. Peay schools retained Black principals and some African American educators transferred to Mattamuskeet School. Young Black and white teachers brought a fresh perspective to all three campuses. O. A. Peay and North Carolina Central University graduate Archie Green of Swan Quarter was hired at Mattamuskeet School in fall 1971 after completing his student teaching there and remained until his 2001 retirement. He taught history and was the history club's faculty advisor during the 1971-1972 term. Graduation ceremonies were cancelled that spring due to controversy surrounding subject matter in a play presented by the history club that some found offensive.⁴²

Davis School was enlarged with a cafeteria and kitchen wing in 1971. Fred G. Bogue headed the campus from fall 1971 until fall 1974, when Alfred Lockamy became principal. Davis and O. A. Peay schools were remodeled in a similar manner in 1982, when asphalt-shingled gable roofs were installed that encapsulate the original flat roofs and central flat-roofed rectangular monitors. At Davis School, suspended ceilings obscure the monitor windows as well as square window openings in the upper portions of corridor walls that facilitated light transference between the corridor and flanking rooms. However, these features are intact and visible from the attic. Following the cafeteria's completion, the 1925 Engelhard Ridge School functioned as a storage building until its demolition in the late 1970s or early 1980s, perhaps in conjunction with the 1982 renovation of the 1953 and 1964 buildings. Davis School closed at the conclusion of the 1998-1999 term following Mattamuskeet School's expansion to accommodate first- through sixth grades. Hyde County Schools has since operated two campuses—Mattamuskeet on the mainland and Ocracoke on the island—for kindergarten through twelfth-grade youth.

Davis School Post-1999 Renovation

After garnering public input regarding the potential function of Davis School, Hyde County pursued funding to renovate the campus for use as a business incubator and community center. A \$98,000 Rural Business Enterprise Grant facilitated the 1999 renovation of five classrooms in the 1964 building to serve as the Hyde Davis Business Enterprise Center (HDBEC). Davis School alumni formed the non-profit Davis High Ventures Corporation (DHV) in June 2000 and leased the 1953/1964/1971 building to house the Davis Youth Recreation and Community Center. That summer, Hyde County leased the existing baseball field to the nonprofit Engelhard Development Corporation, which utilized a 2001 North Carolina Parks and Recreation Trust Fund grant to construct the paved walking path that

⁴² Archie Green, telephone conversation with Heather Fearnbach, May 16, 2022; Azalea Mackey, telephone conversation with Heather Fearnbach, May 13, 2022; Cecelski, *Along Freedom Road*, 160-161.

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wraps around the baseball field south of the school and improve the northwest parking lot. In 2002, the nonprofit Hyde County Community Development Corporation (HCCDC) began operating the HDBEC and Hyde County was awarded a sizable Community Development Block Grant (CDBG) Revitalization Strategies grant—\$350,000 annually for five years—to stimulate the revitalization of Engelhard and the surrounding area. A portion of the money allowed for additional remodeling of the 1964 building and modifications to the 1953/1964/1971 building including installation of the commercial kitchen; work that was completed in 2007. Also in 2002, the Duke Endowment's Program for the Rural Carolinas granted the HCCDC \$75,000 annually for two years to subsidize business development training for Hyde County residents at the HDBEC. A \$201,000 2006 CDBG-Rural Initiative grant allowed Hyde County to finish renovating the 1964 building. The project, finished in 2007, resulted in the current floor plan. Traub Architecture + Design, headed by architect Gerald P. Traub, rendered plans for renovations of the 1953/1964/1971 and 1964 buildings executed between 2000 and 2009.⁴³

Before the 1953/1964/1971 building sustained damage in 2019 during Hurricane Dorian, it hosted myriad educational and recreational programs for youth and adults; events including banquets, parties, reunions, weddings, funerals, and worship services; and served as an emergency response center. Hyde County has managed the HDBEC since the HCCDC's 2014 dissolution. The Beaufort-Hyde-Martin Regional Library system opened the Hyde County Public Library in the central north classroom on April 27, 2016. Since 2021, Beaufort County Community College's continuing education program has utilized the southeast office suite and northeast, northwest, and southwest classrooms. Courses offered at Davis Center include small business development, keyboarding, cooking, gardening, welding, and carpentry, as well as EMS/CPR, nurse aide, and notary public certification. Youth enrichment camps are held during the summer.⁴⁴

⁴³ Michael Adams and Margie Brooks, conversations and email correspondence with Heather Fearnbach, March-June 2022; Alice Keeney, telephone conversations and email correspondence with Heather Fearnbach, May-June 2022; Gerald P. Traub, telephone conversations and email correspondence with Heather Fearnbach, May 2022.

⁴⁴ Michael Adams and Margie Brooks, conversations and email correspondence with Heather Fearnbach, March-June 2022; Beaufort County Community College Small Business Center, "Class Schedule," <https://www.beaufortccc.edu/> (accessed April 2022).

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Section 10. Geographical Data

Latitude/Longitude Coordinates

1. Latitude: 36.401027 Longitude: -79.333643

Verbal Boundary Description

The nominated property consists of approximately eight acres of Hyde County tax parcel # 8685-63-0956 (8.662 acres), as indicated by the heavy solid line on the enclosed map. Scale: one inch equals approximately one hundred feet.

Boundary Justification

The nominated tract encompasses most of the acreage historically associated with Davis School and provides an appropriate setting that conveys the complex's educational function. The northeast corner of the tax parcel, which contains a one-story, low-gable-roofed, vinyl-sided, modular 1994 building that serves as a child care center and the chain-link-fenced enclosed playground west of the building, is excluded from the National Register boundary since the area no longer contributes to the school's significance.

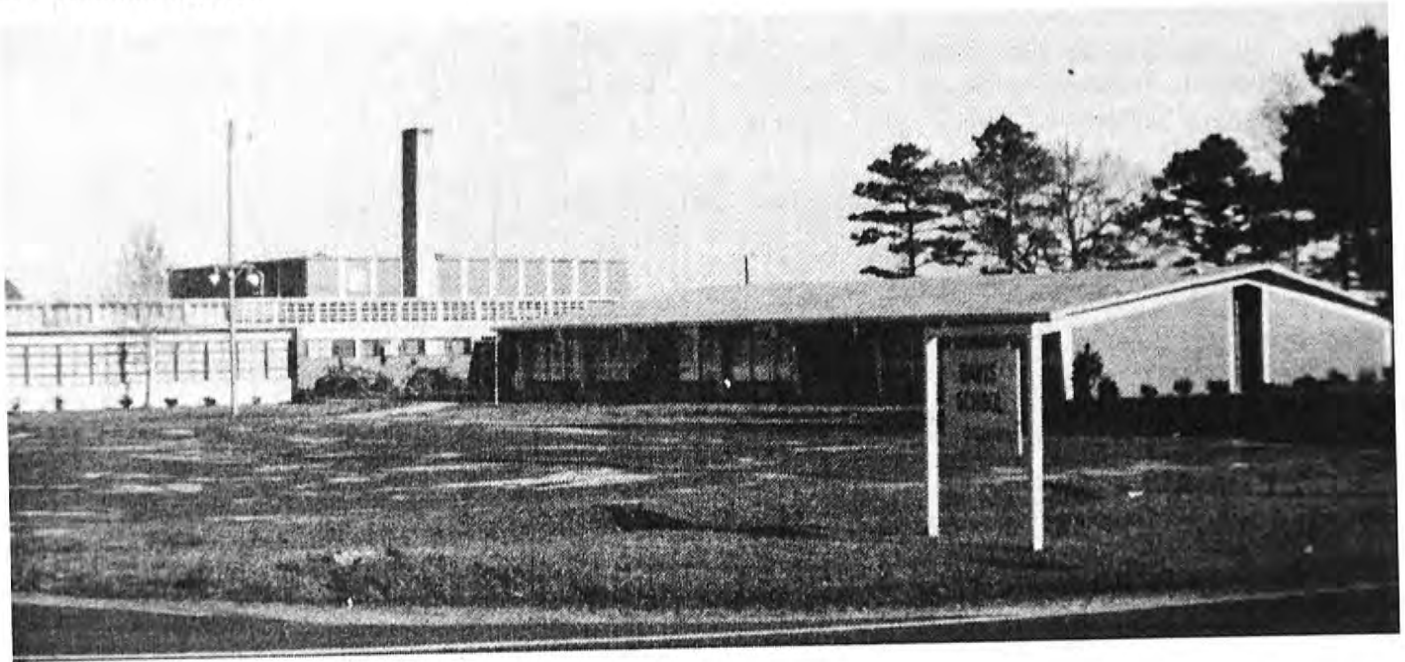
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Davis School
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Historic Photograph



Looking southeast, 1976 photograph from *Hyde County History: A Hyde County Bicentennial Project* (Hyde County Historical and Genealogical Society, 1976), 54

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Photographs

Photograph 1 taken by Andy Holloway, HoneyDrew Media, on September 4, 2020. Photographs 2-13 taken by Heather Fearnbach, Fearnbach History Services, Inc., 3334 Nottingham Road, Winston-Salem, NC, on March 16, 2022. Digital images located at the North Carolina SHPO.



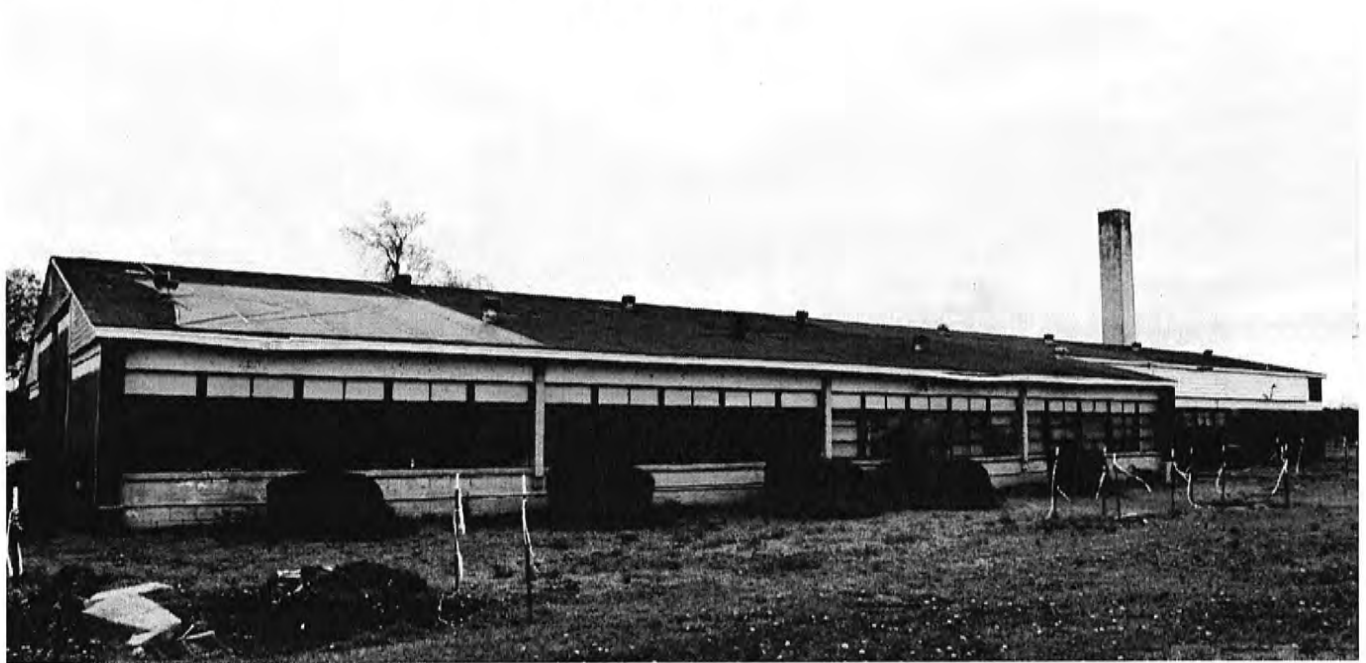
1. Looking northwest from parcel's southeast corner

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Davis School
Hyde County, NC



2. Davis School, 1953, west elevation, looking southeast (above)
3. 1953 school and 1964 gymnasium, southwest oblique (below)



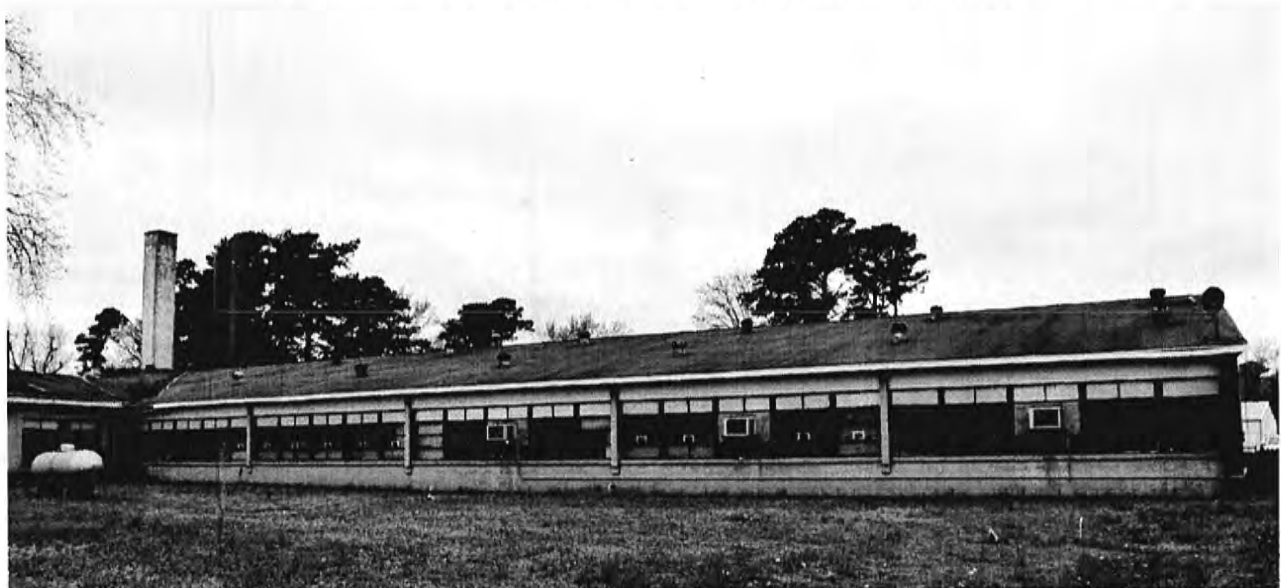
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4. 1953 school, east elevation (right), 1971 cafeteria/kitchen wing, 1964 gymnasium, looking south (above) and 5. 1953 west elevation, looking west (below)



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6. southeast classroom, looking south (above) and 7. northeast classroom, looking south (below)



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8. northwest classroom, looking west (above) and
9. gymnasium/auditorium, looking south (below)



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Hyde County, NC



10. 1964 classroom building, northwest oblique (above) and 11. southeast oblique (below)



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Section number Photos Page 40 Davis School
Hyde County, NC

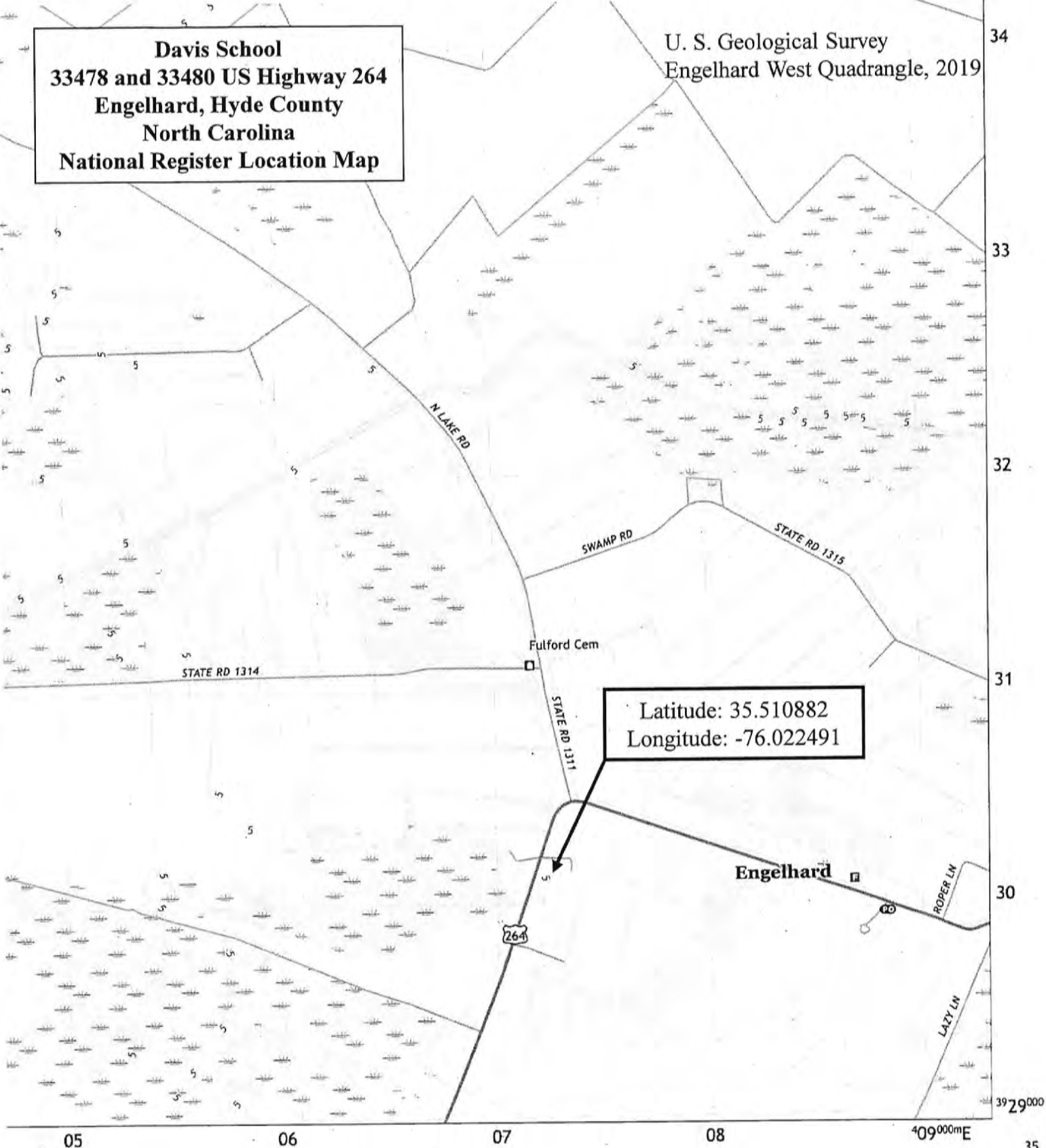


12. 1964 building, south-central room (above) and 13. northwest room (below)

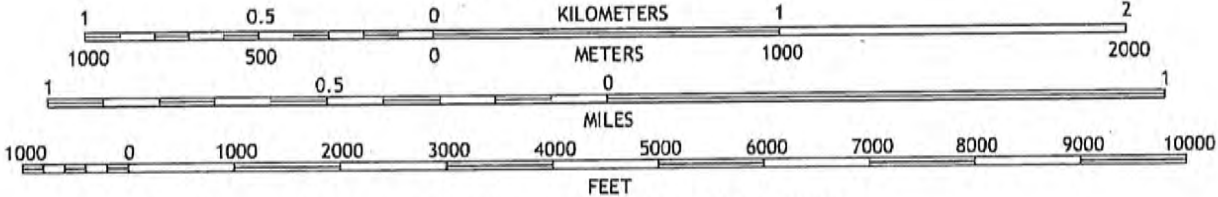


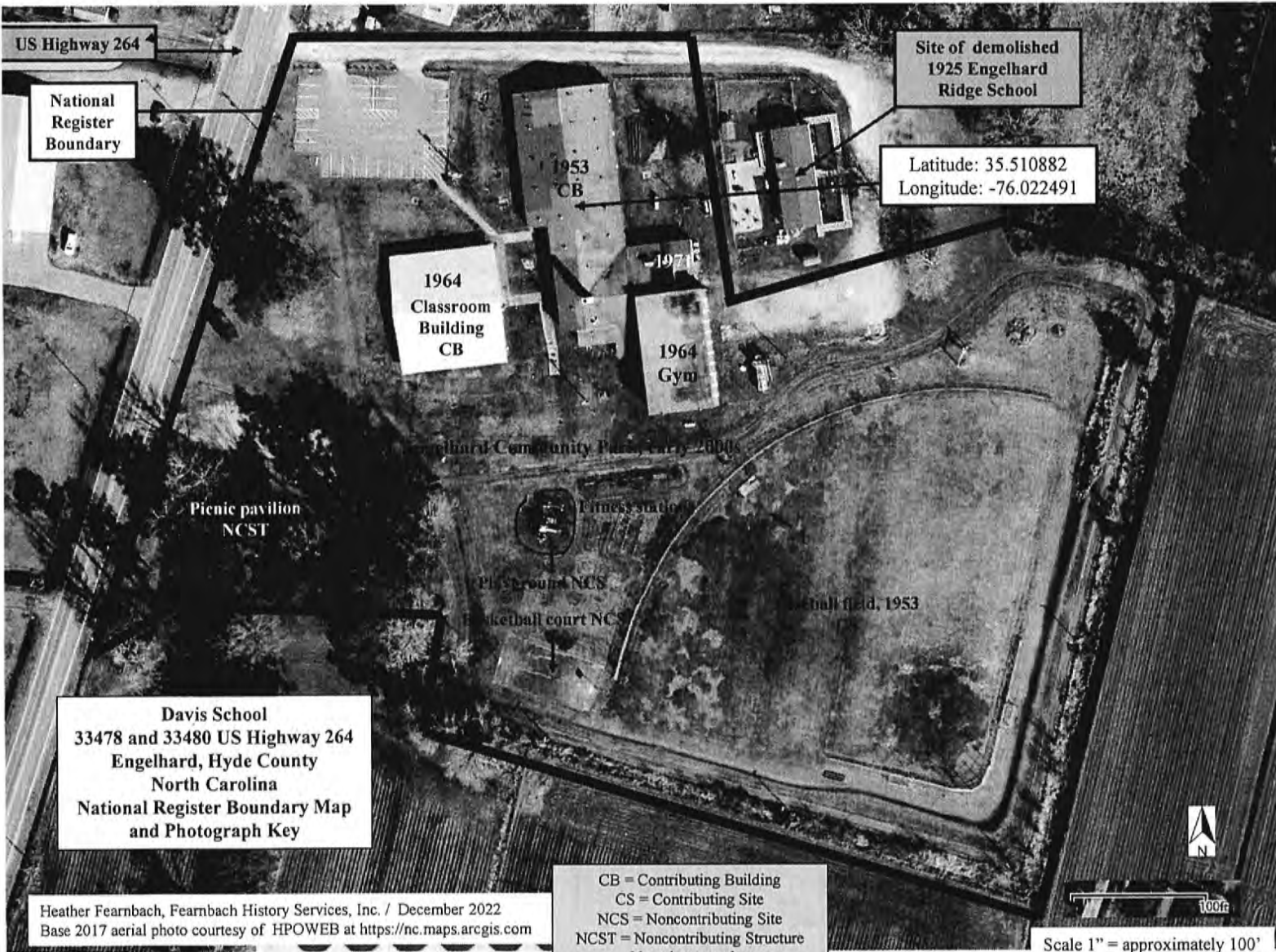
Davis School
33478 and 33480 US Highway 264
Engelhard, Hyde County
North Carolina
National Register Location Map

U. S. Geological Survey
Engelhard West Quadrangle, 2019



SCALE 1:24 000





US Highway 264

National Register Boundary

Site of demolished 1925 Engelhard Ridge School

Latitude: 35.510882
Longitude: -76.022491

1953 CB

1964 Classroom Building CB

1971
1964 Gym

Engelhard Community Park, Early 1800s

Picnic pavilion NCST

Fitness studio

Play grounds NCS

Basketball court NCS

Baseball field, 1953

Davis School
33478 and 33480 US Highway 264
Engelhard, Hyde County
North Carolina
National Register Boundary Map
and Photograph Key

Heather Fearnbach, Fearnbach History Services, Inc. / December 2022
Base 2017 aerial photo courtesy of HPOWEB at <https://nc.maps.arcgis.com>

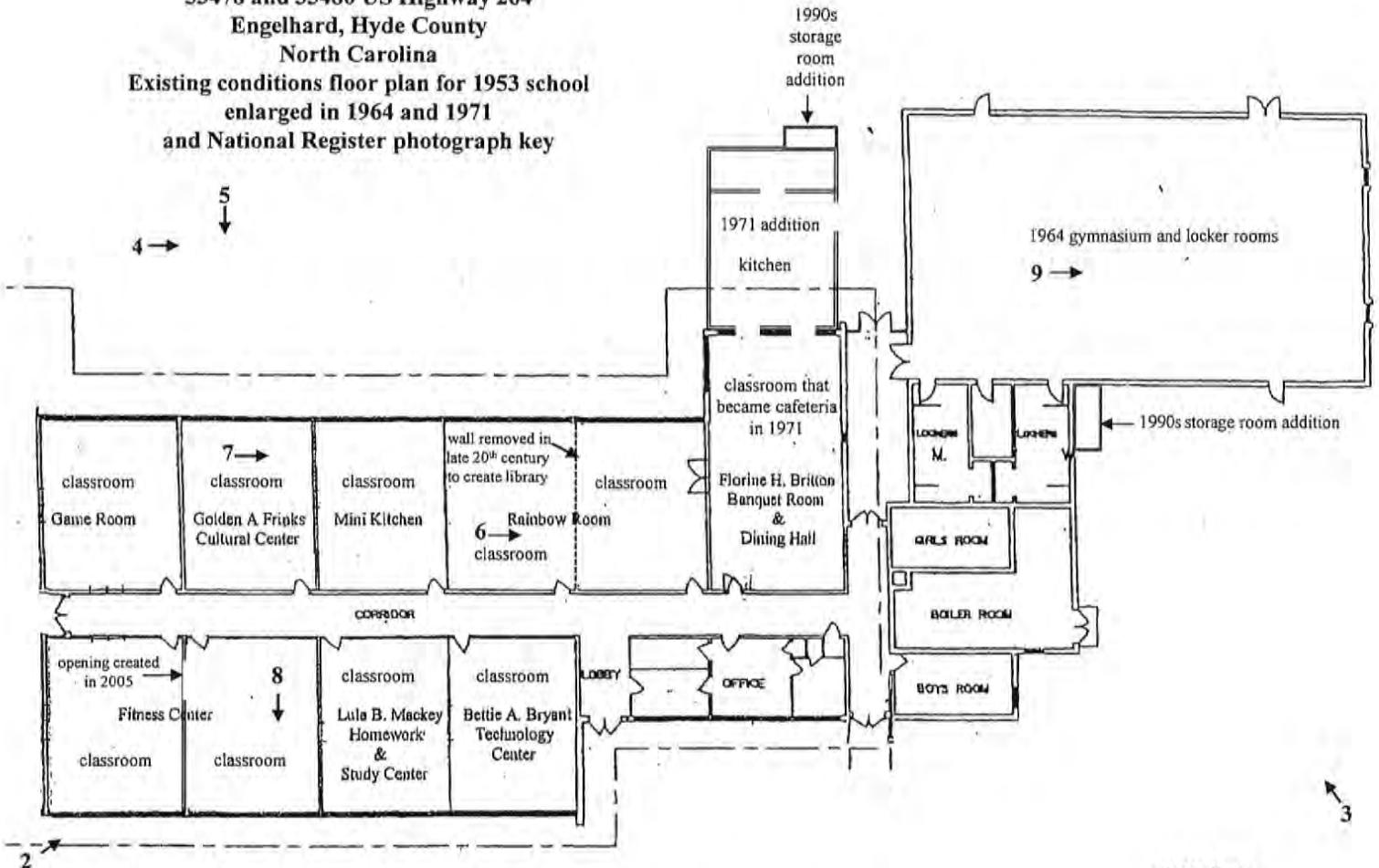
CB = Contributing Building
CS = Contributing Site
NCS = Noncontributing Site
NCST = Noncontributing Structure
00 = photo number



100ft

Scale 1" = approximately 100'

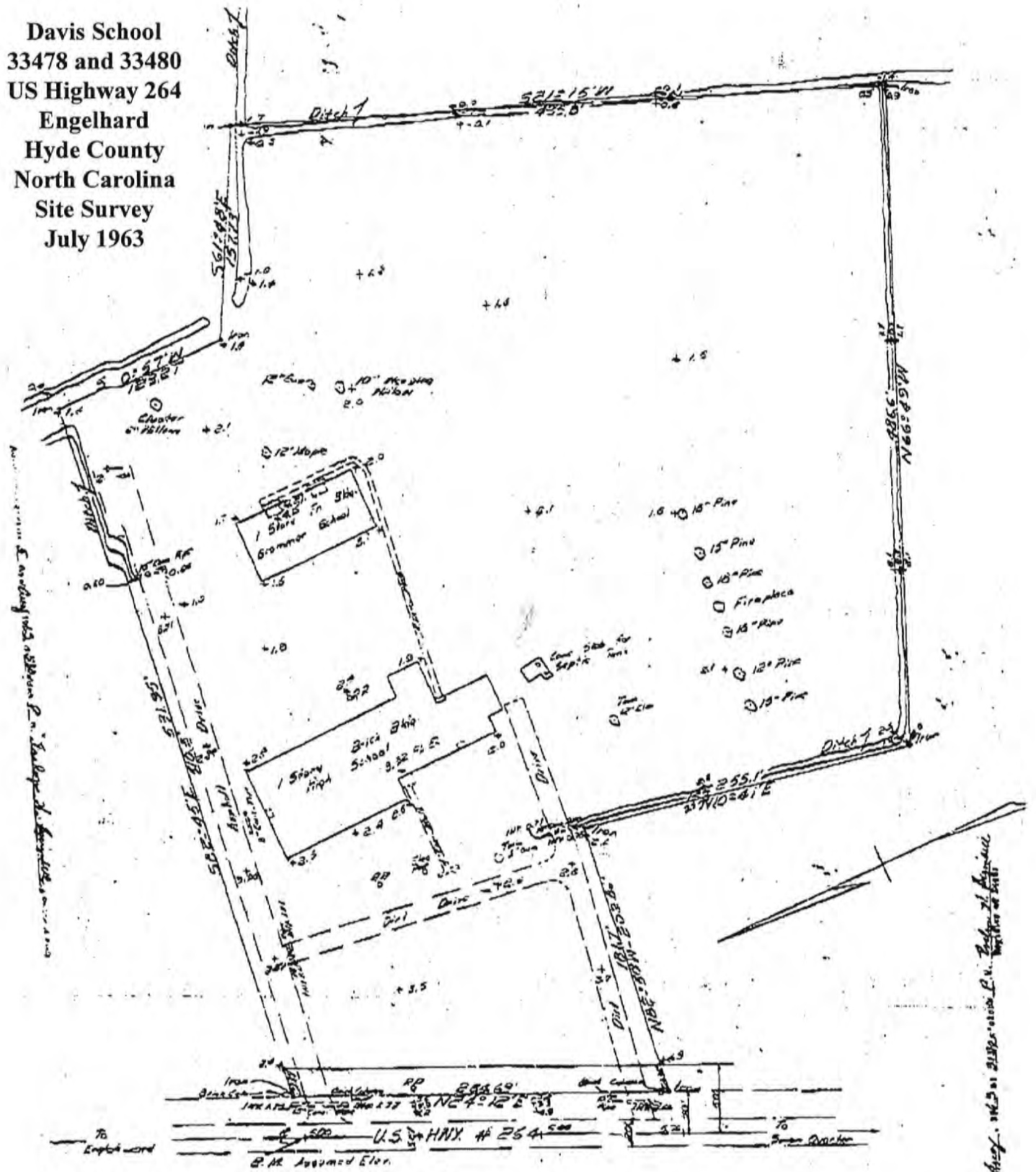
Davis School
 33478 and 33480 US Highway 264
 Engelhard, Hyde County
 North Carolina
 Existing conditions floor plan for 1953 school
 enlarged in 1964 and 1971
 and National Register photograph key



Post-2005 floor plan provided by Davis Ventures
 Annotated by Heather Fearnbach, Fearnbach History Services, Inc. / December 2022

Not to Scale
 ← N

Davis School
 33478 and 33480
 US Highway 264
 Engelhard
 Hyde County
 North Carolina
 Site Survey
 July 1963



TOPO MAP
 DAVIS SCHOOL
 LOCATED IN
 LAKE LANDING TOWNSHIP
 T. 12 GREEN & ASSOC. ENGRS
 JULY 1963

ENGLEHARD, NC.
 WILSON, N.C.
 SCALE: 1" = 50'

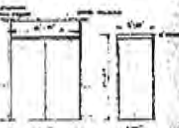
Not to Scale

Map BK 1
 Page 10
 77B

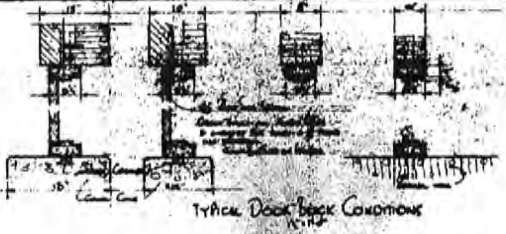
Assumed elevation on the E. end of Hwy. 264 as shown on 1963 map of Englehard

ROOM FINISH SCHEDULE

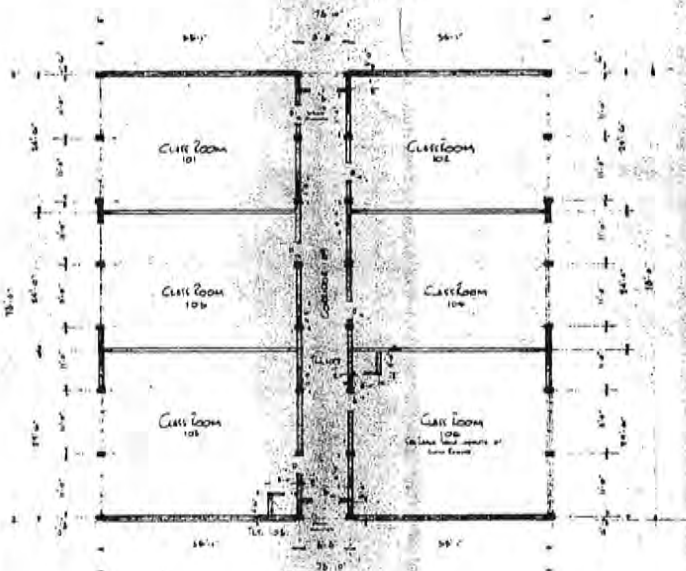
NO.	ITEM	QUANTITY	UNIT	FINISH	REMARKS
101	CLASSROOM	18	SQ. FT.	WOOD	WOOD
102	CLASSROOM	18	SQ. FT.	WOOD	WOOD
103	CLASSROOM	18	SQ. FT.	WOOD	WOOD
104	CLASSROOM	18	SQ. FT.	WOOD	WOOD
105	CLASSROOM	18	SQ. FT.	WOOD	WOOD
106	CLASSROOM	18	SQ. FT.	WOOD	WOOD
107	CLASSROOM	18	SQ. FT.	WOOD	WOOD
108	CLASSROOM	18	SQ. FT.	WOOD	WOOD
109	CLASSROOM	18	SQ. FT.	WOOD	WOOD
110	CLASSROOM	18	SQ. FT.	WOOD	WOOD
111	CLASSROOM	18	SQ. FT.	WOOD	WOOD
112	CLASSROOM	18	SQ. FT.	WOOD	WOOD
113	CLASSROOM	18	SQ. FT.	WOOD	WOOD
114	CLASSROOM	18	SQ. FT.	WOOD	WOOD
115	CLASSROOM	18	SQ. FT.	WOOD	WOOD
116	CLASSROOM	18	SQ. FT.	WOOD	WOOD
117	CLASSROOM	18	SQ. FT.	WOOD	WOOD
118	CLASSROOM	18	SQ. FT.	WOOD	WOOD
119	CLASSROOM	18	SQ. FT.	WOOD	WOOD
120	CLASSROOM	18	SQ. FT.	WOOD	WOOD



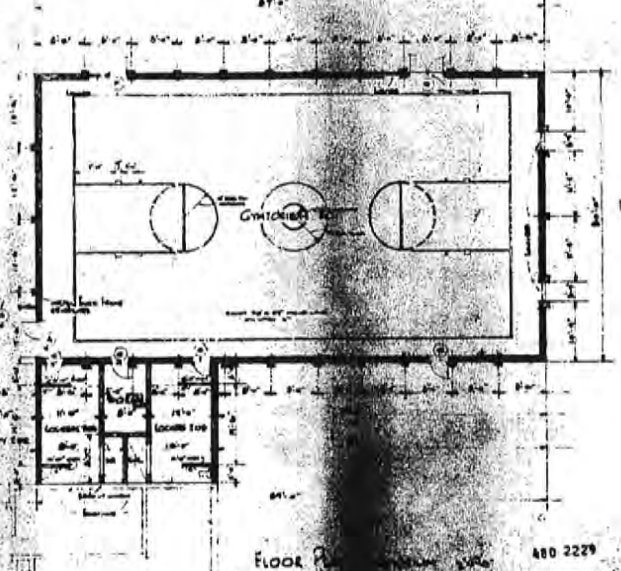
DOOR SCHEDULE



TYPICAL DOOR BACK CONDITIONS



FLOOR PLAN CLASSROOM WING



FLOOR PLAN

480 2229

RECEIVED
NOV 17 1963
DIVISION OF
SCHOOL PLANNING

NO.	REVISION	DATE	BY	DESCRIPTION
1	AS SHOWN			
2	AS SHOWN			
3	AS SHOWN			
4	AS SHOWN			

ADDITION TO DAVIS SCHOOL
HYDE COUNTY, N.C.

NO.	REVISION	DATE	BY	DESCRIPTION
1	AS SHOWN			
2	AS SHOWN			
3	AS SHOWN			
4	AS SHOWN			

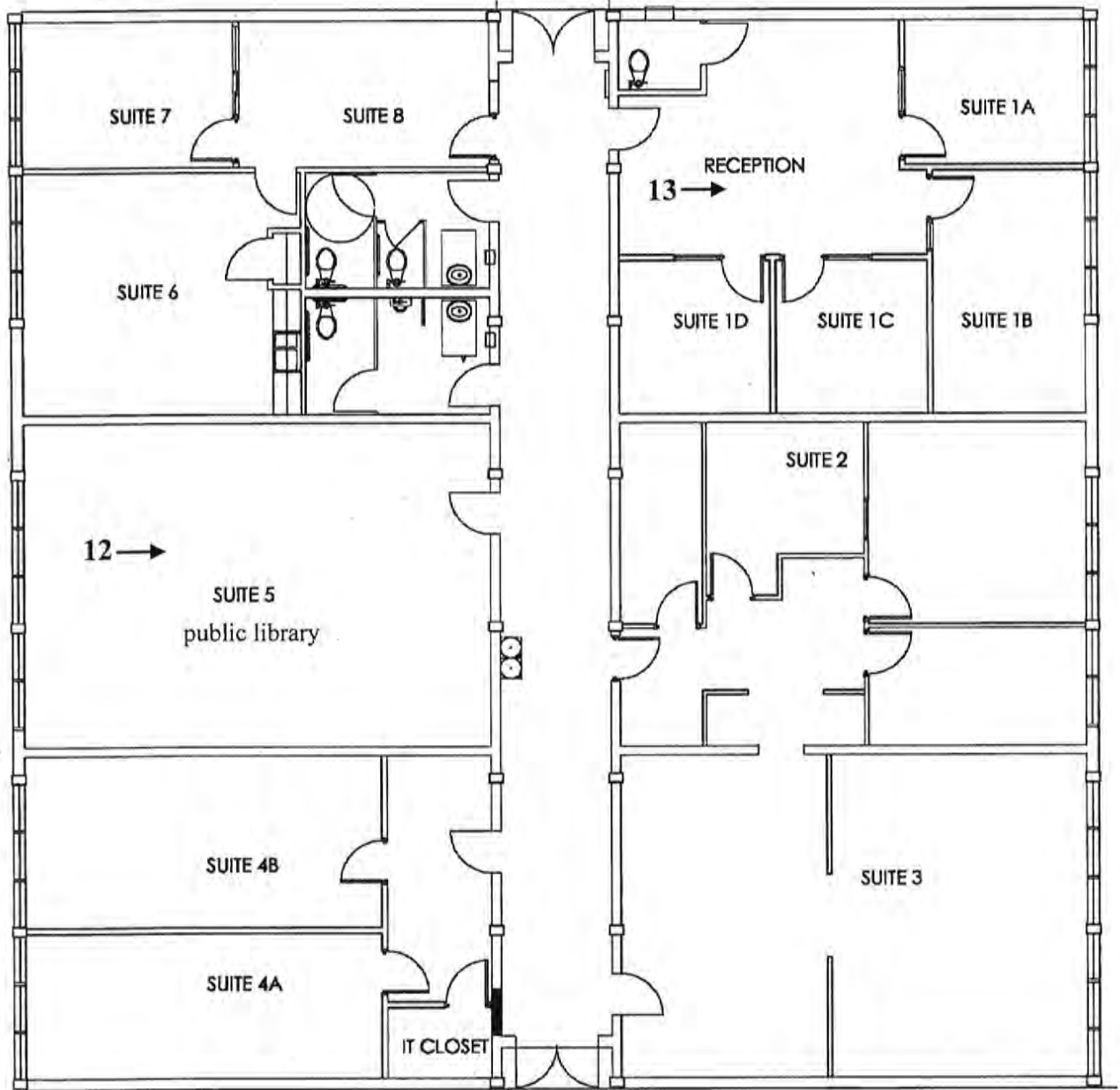
Davis School
33478 and 33480 US Highway 264
Engelhard, Hyde County, North Carolina
Original floor plans for 1964 classroom building
and gymnasium/auditorium and locker room addition

Floor plan drawn by architect B. Atwood Skinner Jr. in October 1963

Not to Scale ←N

Davis School
33478 and 33480 US Highway 264
Engelhard, Hyde County, North Carolina
Existing conditions floor plan for 1964 classroom building
and National Register photograph key

10 ↙



11 ↗

Not to Scale

Floor plan drawn by Traub Architecture + Design, May 21, 2007
Annotated by Heather Fearnbach, Fearnbach History Services, Inc. / December 2022

N →



North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office

Ramona M. Bartos, Administrator

Governor Roy Cooper
Secretary D. Reid Wilson

Office of Archives and History
Deputy Secretary Darin J. Waters, Ph.D.

May 17, 2023

Mike Adams
Davis Ventures
PO Box 95
Engelhard, NC 27824

Re: Certificate of Entry in the National Register of Historic Places
Davis School, 33478 US Hwy 264, Engelhard, Hyde County, NC (HY0907)
Listed: April 17, 2023

Dear Mr. Adams:

I am pleased to inform you that the above-referenced property has been entered in the National Register of Historic Places. An official certificate of listing and a copy of the nomination are enclosed. Hyde County is most fortunate to have you support the preservation of a property that justly deserves this honor.

The National Register has been called "a roll call of the tangible reminders of the history of the United States." It is, therefore, a pleasure for the Office of Archives and History to participate in this program and thereby make our nation aware of North Carolina's rich cultural heritage.

In order that we may keep our records up to date, it would be very helpful if you would notify us of any changes in ownership or of any major alterations to the property. We appreciate your partnership in preserving the best of our past for posterity.

Sincerely,

A handwritten signature in black ink, appearing to read "Darin J. Waters".

Darin J. Waters
State Historic Preservation Officer

DJW/ssh

Enclosures

cc: Kris Noble, County Manager, Hyde County
Earl Pugh, Jr., Chairman, Hyde County Board of Commissioners
Heather Fearnbach, Consultant, Fearnbach History Services, Inc.

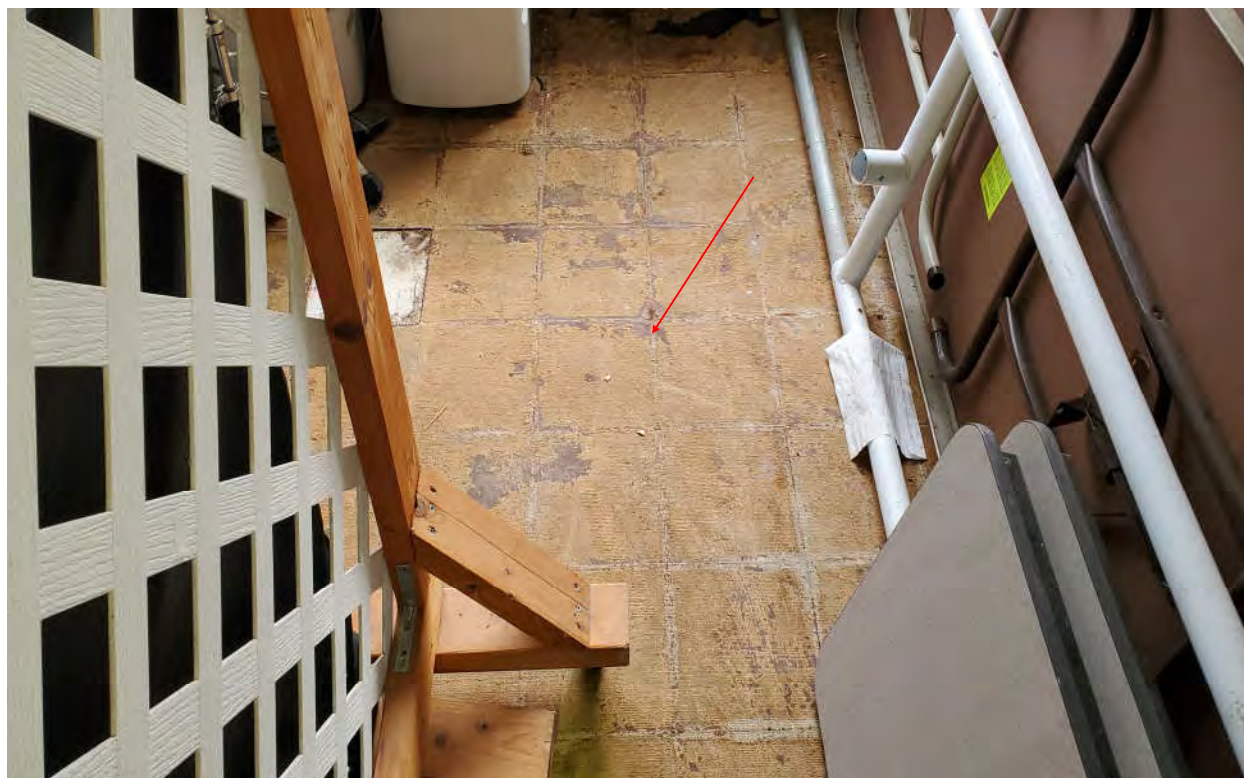
Section 106 ATTACHMENT 3:

Subject Property Current Photographs

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 1 - Homogeneous Areas A-01 & A-22—Typical Asbestos-Containing Exterior Window Glazing and Window Frame Caulking Located Throughout Main Building Window Units. (57 Window Units)

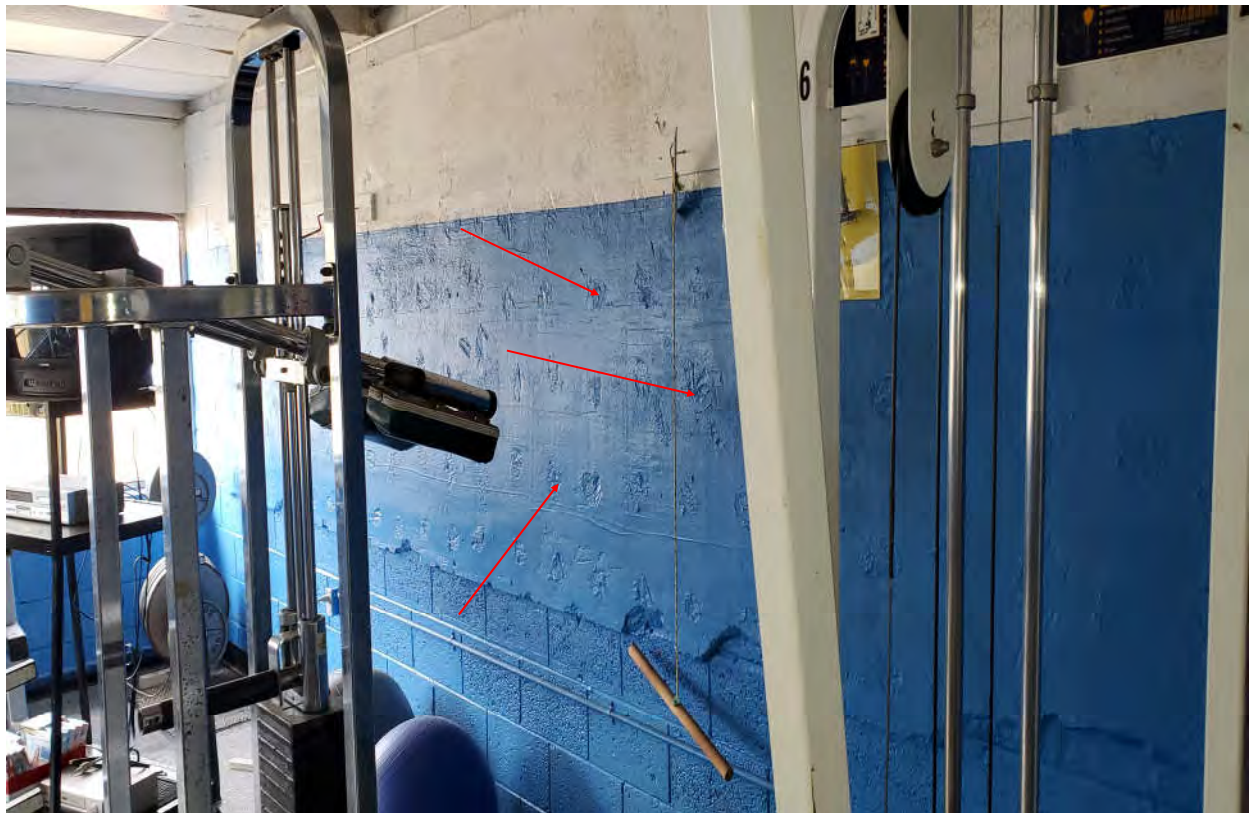


Photograph 2 - Homogeneous Area A-06—Typical Asbestos-Containing 9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) Located as Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum (9,700 SF)

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 3 - Homogeneous Area A-06 - Typical Asbestos-Containing 9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) Located as Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum



Photograph 4 - Homogeneous Areas A-14—Typical Asbestos-Containing Chalkboard Mastic Located Throughout Main Building Chalkboards.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 5 - Homogeneous Area A-23 - Asbestos-Containing “Air-Cell” Straight Run Pipe Insulation Located Overhead in the Mechanical Room. (10 LF)



Photograph 6 - Typical Lead-Based Paint Throughout Interior and Exterior Metal Window Components (Sashes & Casings), Concrete Window Headers, & Wooden Eaves of Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 7 - Typical Lead-Based Paint on Red Doors and Dooring Casings in Restrooms of Main Building.



Photograph 8 - Typical Lead-Based Paint on CMU Walls in This One Room Only in Office Area in Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 9 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.



Photograph 10 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 11 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.



Photograph 12 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**

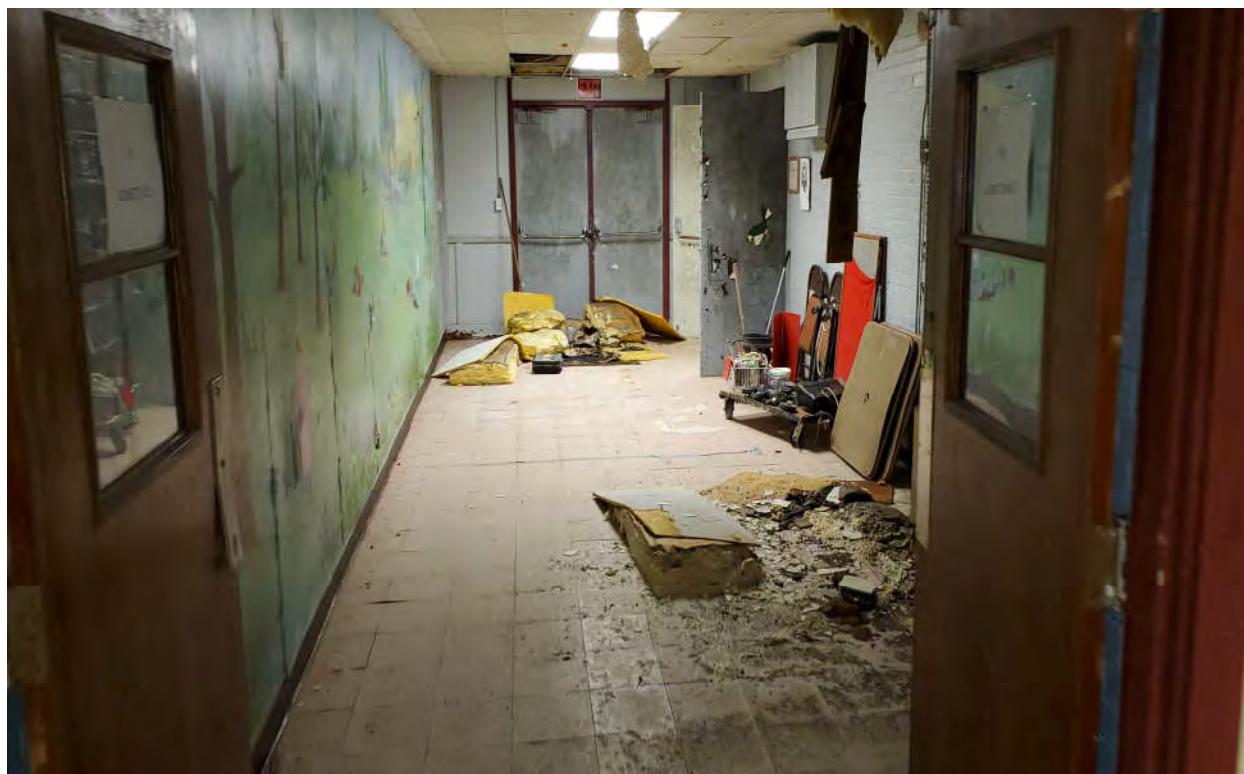


Photograph 13 - Typical Moisture Damage & Mold Growth in Cafeteria from Damaged Roof.



Photograph 14 - Typical Moisture Damage & Mold Growth on Walls, Door Components, & Other Surfaces in the Cafeteria from Damaged Roof.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 15 - Typical Water Damage & Mold Growth in Gym Corridor from Damaged Roof.



Photograph 16 - Typical Moisture Damage & Mold Growth on Walls, Door Components, & Other Surfaces in the Gym Locker Rooms from Damaged Roof.

Section 106 ATTACHMENT 4:

Hazardous Materials Assessment Report



January 17, 2023

Mr. Albrecht N. McLawhorn, AIA, NCARB
INTREPID Architecture, PA
114 East Third Street
Greenville, NC 27858

**RE: Hazardous Materials Assessment Report
Davis Ventures Community Center
33478 US Highway 64 East
Engelhard, North Carolina
AEC Project #23009**

Mr. McLawhorn:

Affinity Environmental Consulting, LLC performed a hazardous materials assessment for asbestos-containing materials, lead-based paint, and mold at the above referenced site. Please find the final report attached.

Thank you for the opportunity to be of service. If you have any questions or need additional information, please do not hesitate to call.

Sincerely,
Affinity Environmental Consulting, LLC

A handwritten signature in black ink, appearing to read 'Mike Cook', is written over a light blue horizontal line.

Mike Cook, CIEC
Principal

Attachment



HAZARDOUS MATERIALS
ASSESSMENT REPORT
for
Davis Ventures Community Center
33478 US Highway 64 East
Engelhard, North Carolina

AEC Project #23009

Prepared For:
INTREPID Architecture, PA
114 East Third Street
Greenville, NC 27858

Prepared By:
Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Report Prepared: January 17, 2023

Asbestos Inspector: Mike Cook, NC Accreditation #12016

Lead Inspector: Mike Cook, NC Accreditation #120218

Mold Inspector: Mike Cook, CIEC #0909002

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 - 1.3 Sample Collection
 - 1.4 Sample Analysis
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- 3.0 Mold and Moisture Survey
 - 3.1 Summary
 - 3.2 Project Description
 - 3.3 Mold Surface Sampling
 - 3.3 Conclusions
 - 3.4 Recommendations
 - 3.5 Conditional Statement

APPENDICES

- APPENDIX A - Asbestos Inspection Homogeneous Areas & Results
- APPENDIX B - Asbestos Bulk Sampling Location Drawing
- APPENDIX C - Asbestos PLM Bulk Sample Laboratory Results
- APPENDIX D - Lead Survey XRF Results
- APPENDIX E - Mold Surface Sampling Laboratory Analysis Data
- APPENDIX F - Photographs

1.0 Asbestos Inspection

1.1 SUMMARY: On January 12th, 2023, Affinity Environmental Consulting, LLC (AEC) performed an asbestos inspection of the Davis Ventures Community Center located at 33478 US Highway 64 East in Engelhard, North Carolina. AEC was retained by INTREPID Architecture, PA to perform the inspection prior to renovation of the building. Bulk samples of suspect asbestos-containing materials (ACM) were collected and analyzed using Polarized Light Microscopy (PLM).

1.2 BUILDING DESCRIPTION: The Davis Ventures Community Center is a single-story brick and concrete block structure. The building was originally a school. The building has water damaged roofing in the cafeteria and adjacent gym corridor. Ceilings consist of suspended ceilings throughout the classrooms, cafeteria, and restrooms, drywall in the corridors, and plaster in the locker rooms. There is a wood ceiling deck above the suspended ceiling throughout the main building. Walls consist of concrete block and brick throughout the classrooms, office area, gym, locker rooms, and restrooms. There is drywall in the dining room. Flooring consists of vinyl flooring and carpet throughout the main building classrooms, corridors, cafeteria, and office area. There is ceramic tile in the restrooms. There is hardwood in the Gym. There is mud pipe fitting insulation in the locker rooms and mechanical room. There is a 10 linear foot section of air-cell straight run pipe insulation in the mechanical room. HVAC ducts located above the drywall ceiling in the corridor of the main building are insulated with fiberglass insulation.

1.3 SAMPLE COLLECTION: The bulk sampling was conducted in order to fulfill requirements as set forth in EPA's National Emissions Standards for Hazardous Air Pollutants (NESHAPS) asbestos regulation, 40 CFR, Part 61, Subpart M which requires an asbestos evaluation of buildings scheduled for renovation or demolition. Bulk samples were collected of suspect asbestos-containing materials (ACM) in general accordance with sampling protocols established in US EPA Regulation 40 CFR Part 763 Asbestos Hazard Emergency Response Act (AHERA).

Suspect materials are divided into homogeneous areas for sampling. A homogeneous area is described as a section of material with the same color, texture, age, composition, and other characteristics that indicate a continuity of the material. The bulk samples were taken of non-friable and friable (material, which can be crumbled or reduced to powder by hand pressure). The suspected ACM samples were taken from Thermal Systems Insulation (TSI), Surfacing Materials (SURF), and Miscellaneous Materials (MISC). Attached in **Appendix A** are descriptions of all homogenous areas identified and an estimate of quantity of asbestos, location, and type of asbestos in each homogeneous area. **All quantities are estimates and should be field verified for all other uses.** If no asbestos was detected in a sample, it is indicated as None Detected.

1.4 SAMPLE ANALYSIS: The samples were shipped via FedEx to SAI, an NVLAP accredited laboratory, in Greensboro, North Carolina for PLM analysis. PLM is the EPA approved method for analyzing bulk samples for asbestos. This method utilizes a light microscope equipped with polarizing filters. The identification of asbestos fibers is determined by the visual properties displayed when the sample is treated with various dispersion staining liquids. The actual structure of the fiber and the effect of polarized light on the fiber substantiate identification. The limit of detection of asbestos by PLM is about 1 percent by area; thus, samples containing less than 1 percent of asbestos are not reliably detected by this technique. The PLM method does determine both the percent (1% or above) and type of asbestos in the bulk sample.

1.5 RESULTS: Following are the asbestos-containing materials identified during this asbestos inspection of the Davis Ventures Community Center:

TABLE 1 – Asbestos-Containing Materials Identified			
Homogenous Area	Asbestos-Containing Material	Location/Approximate Quantity	Photo #
A-01 & A-22	Exterior Window Glazing and Window Frame Caulking	Throughout Main Building Window Units (57 Window Units)	1
A-06	9" x 9" Floor Tile & Black Mastic (Green & Brown Colors)	Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum (9,700 SF)	2 & 3
A-14	Black Chalkboard Mastic	Throughout Chalkboards of Building	4
A-23	"Air-Cell" Straight Run Pipe Insulation	Mechanical Room Overhead (10 LF)	5

Homogeneous area details and results are listed in Appendix A. Bulk sample location drawing is attached in Appendix B. Laboratory analysis data is attached in Appendix C. Photographs are attached in Appendix F.

1.6 RECOMMENDATIONS AND REQUIREMENTS: Recommendations are made with knowledge of how asbestos-containing materials are generally handled during a renovation or demolition. Before proceeding with renovation or demolition of any building or the removal of any asbestos-containing materials, friable or non-friable, contact the regulatory agency with EPA-NESHAPS authority for the area where the work is to occur. In North Carolina, the NC DHHS/Division of Public Health Hazards Control Unit has that authority. Their contact information is:

Health Hazards Control Unit
NC DHHS/Division of Public Health
1912 Mail Service Center
Raleigh, NC 27699-1912
Phone: 919-707-5950
Website: www.epi.state.nc.us/epi/asbestos/demolition.html

Also contact your local city and county governments for any permitting regulations that they may require.

According to current EPA regulations, asbestos-containing materials (ACM) are any materials containing more than 1% by weight of any mixture of asbestos types. The disposed asbestos must be placed in a landfill that is accredited to receive these materials. This landfill must be notified of the presence of ACM debris and waste before disposal.

The asbestos-containing materials identified should be removed by a North Carolina DHHS Health Hazards Control Unit accredited contractor prior to disturbance. **Additional sampling may be necessary if additional suspect asbestos-containing materials are discovered during the renovation process.**

END OF SECTION

2.0 Lead-Based Paint Survey Report

2.1 SUMMARY: On January 12th, 2023, Affinity Environmental Consulting, LLC (AEC) performed a lead-based paint survey of the Davis Ventures Community Center located at 33478 US Highway 64 East in Engelhard, North Carolina. AEC was retained by INTREPID Architecture, PA to perform the survey prior to renovation of the building. The LBP survey was performed on interior and exterior painted major building components of the building. A Viken Pb200i spectrum XRF analyzer was used for the survey

2.2 DISCLAIMER: This is our report of X-Ray Fluorescence (XRF) analysis. The presence or absence of lead-based paint or lead-based paint hazards applies only to tested surfaces on the date of the field visit and these conditions may change due to deterioration or maintenance. Ongoing monitoring by the owner is usually necessary. Please review this report fully; including any remarks printed on each page and contact us for an explanation of any aspect of this report, written or printed, which you do not fully understand.

2.3 RESULTS: Following are the components with Lead-Based Paint at or above the federal regulatory level of 1.0 mg/cm² at the Davis Ventures Community Center:

TABLE 2 – Lead-Based Painted Components Identified				
Substrate	Component	Location	Result mg/cm ²	Photo #
Metal	Window Components (Interior & Exterior Sashes & Casings)	Throughout Main Building	1.0 – 3.0	6
Metal	Red Door & Door Casings	Restrooms	1.5	7
CMU	Wall	1 Room in Office Area (Main Reception w/Glass Doors)	1.8 – 2.5	8
Concrete	Window Headers	Exterior Main Building	1.3 – 1.5	6
Wood	Eaves	Exterior Main Building	3.0	6

All XRF paint testing data and results are listed in Appendix D. Photographs are attached in Appendix F.

2.4 RECOMMENDATIONS: According to the North Carolina Department of Health and Human Services (NCDHHS), any painted building component containing lead levels greater than or equal to 1.0 mg/cm² (XRF) or 0.06% by weight (paint chip analysis) must be disposed of in a construction and demolition landfill or municipal solid waste landfill (Subtitle D).

It is common knowledge throughout the lead removal industry that the OSHA PEL lead level of 50 ug/m³ is likely to be exceeded during the disturbance of painted building components with lead levels equal to or greater than 1.0 mg/cm² or 0.5% by weight. All other tested building components containing lower lead levels, less than 1.0 mg/cm², have less potential for the OSHA PEL level of 50 ug/m³ to be reached during controlled disturbance. When conducting activities that involve the disturbance of any components containing lead-based paints, OSHA Construction Standard 29 CFR 1926.62 procedures should be implemented. At a minimum, this includes, negative exposure

assessments, training, medical surveillance, and personal protection. In addition, lead-based paint and lead-based painted components should be properly disposed in accordance with local, state, and federal regulations and requirements.

END OF SECTION

3.0 MOLD AND MOISTURE SURVEY

3.1 SUMMARY: On January 12th, 2023, Affinity Environmental Consulting, LLC (AEC) performed a non-destructive mold and moisture survey of the Davis Ventures Community Center located at 33478 US Highway 64 East in Engelhard, North Carolina. AEC was retained by INTREPID Architecture, PA to perform the survey prior to renovation of the building. The project included a non-destructive visual inspection for moisture intrusion and mold growth along with surface sample collection with laboratory analysis for mold spores.

3.2 PROJECT DESCRIPTION: AEC representative, Mr. Mike G. Cook, CIEC #0909002 conducted the visual mold and moisture survey and collected surface samples in the building. The following observations and notes were made in the following areas during the visual survey (Photographs attached in Appendix F):

1. The roof was observed to be in poor condition throughout. There are numerous tarps on section of the roof. The roof is caved in over the cafeteria dining room and adjacent gym corridor. There are various water damaged ceiling tiles located throughout the building.
2. Visible mold growth was observed on surfaces throughout the building. **(Photos #9, 10, 11, 12, 13, & 14).**
3. The ceilings are badly damaged in the cafeteria, gym corridor, and gym locker rooms from water damage. **(Photos #13, 14, 15, & 16).**

3.3 MOLD Surface Sampling: Two (2) representative tape lift samples were collected from surfaces where suspect visible black mold growth was observed in the building. The samples were sent by FedEx to Scientific Analytical Institute (SAI) in Greensboro, NC for analysis to determine the type of mold present if any. A direct examination allows for the immediate determination of the presence of fungal spores as well as what types of fungi are present. Most surfaces collect a mixture of fungal spores that are normally present in the environment. SAI performed laboratory analysis using SAI Method B-SOP-005.

TABLE 3 – Tape Lift Surface Sample Locations	
Sample #	Sample Location
T-01	Main Corridor Wall
T-02	Main Corridor Door Frame

See laboratory analysis attached in Appendix E.

3.3 CONCLUSIONS:

- 1) The roof was observed to be in poor condition throughout requiring repair.
- 2) Ceilings are damaged in the cafeteria, gym corridor, and gym locker rooms requiring repair.
- 3) Visible mold growth was observed on surfaces throughout the building.
- 4) Tape lift surface sampling results indicate that *Cladosporium* mold is present on surfaces throughout the Main Building. High levels of fruiting bodies and hyphal fragments were also observed on the tape lift samples which indicates active mold growth. *Cladosporium* mold species have been categorized as a potential allergens, pathogens, and toxin producers.

3.4 RECOMMENDATIONS:

- 1) Repair all roofing materials of the building.
- 2) Remove and dispose of all porous components and items throughout the building. This includes: ceiling tiles, HVAC flex ducts, carpet, ceiling and roofing debris, trash, etc. All fabric furniture, clothing, and other fabric items should be disposed of.
- 3) Either dispose of all HVAC units and metal ducting throughout the building or have them professionally cleaned and sanitized.
- 4) All remaining surfaces in the building should be professionally cleaned and sanitized.
- 5) A trained mold remediation contractor should be selected to perform recommendations 2 through 4 following US EPA protocol 402-K-01-001-Mold Remediation in Schools and Commercial Buildings.

3.5 CONDITIONAL STATEMENT: The analysis, conclusions, and recommendations submitted in this report are based on the investigation previously outlined and the data collected at the locations listed. This report does not reflect specific variations that may occur between test locations or any change that may occur due to environmental conditions varying over time. Statistically accurate measurements for indoor air contaminants can only be obtained by collecting multiple samples at multiple times of the day over multiple days. The samples were located where site conditions permitted and where it is believed representative conditions occur. Recommendations are made in accordance with generally accepted industrial hygiene principles and practices and are designed as a tool to assist the client based on information and data available at the time of the survey. The conclusions and recommendations in this report do not constitute medical or legal opinion. A licensed physician should be consulted for medical guidance. This report has been prepared for use by the Client identified in this report. If this

report is transferred to any other party or used for any other purpose without the express written authorization of Affinity Environmental Consulting, LLC (AEC), AEC will not be held liable or responsible for any decisions or outcomes made by such parties.

END OF SECTION

APPENDIX A

Asbestos Inspection Homogeneous Areas & Results

Asbestos Inspection Results Davis Ventures Community Center 33478 US Highway 264 East Engelhard, North Carolina

Homogeneous Area					Material Description			
Number	Description	Sample #	Sample Location	Total Asbestos % and Type	Location(s)	Estimated Quantity	Condition	Potential for Disturbance
A-01	Exterior Window Glazing MISC - NF	A-01-01	Main Building Front	4% Chrysotile	Throughout Main Building Window Units	57 Window Units	SD	PSD
		A-01-02	Main Building Rear	4% Chrysotile				
A-02	Top Layer of Roof Shingles MISC - NF	A-02-01	Main Building Roof	None Detected	Main Building Roof	14,000 SF	D	PSD
		A-02-02	Main Building Roof	None Detected				
A-03	Bottom Layer Roof Shingles & Felt MISC - NF	A-03-01A(shingles)	Main Building Roof	None Detected	Main Building Roof	14,000 SF	D	PSD
		A-03-01B(felt)	Main Building Roof	None Detected				
		A-03-02A(shingles)	Main Building Roof	None Detected				
		A-03-02B(felt)	Main Building Roof	None Detected				
A-04	2' x 4' Ceiling Tile (Chicken Track Pattern) MISC - F	A-04-01	Fitness Room	None Detected	Fitness Rooms & Restrooms	1,950 SF	D	PSD
		A-04-02	Men's Restroom	None Detected				
A-05	4" Black Vinyl Cove Base & Adhesive MISC - NF	A-05-01A(vinyl)	Fitness Room	None Detected	Throughout Main Building	Not Quantified	G	LPD
		A-05-01B(adhesive)	Fitness Room	None Detected				
		A-05-02A(vinyl)	Corridor	None Detected				
		A-05-02B(adhesive)	Corridor	None Detected				
A-06	9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) MISC - NF	A-06-01A(carpet glue)	Fitness Room	None Detected	Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum	9,700 SF	G	LPD
		A-06-01B(tile)	Fitness Room	6% Chrysotile				
		A-06-01B(brown mastic)	Fitness Room	None Detected				
		A-06-02A(tile)	Corridor	3% Chrysotile				
		A-06-02B(black mastic)	Corridor	8% Chrysotile				
		A-06-03A(tile)	Office Closet	5% Chrysotile				
		A-06-03B(black mastic)	Office Closet	None Detected				
		A-06-04A(tile)	Gym Corridor	3% Chrysotile				
A-06-04B(black mastic)	Gym Corridor	None Detected						
A-07	12" x 12" Pink Floor Tile and Mastic MISC - NF	A-07-01A(tile)	Corridor	None Detected	Top Layer of Flooring in Main Corridor and Office Area	2,250 SF	G	LPD
		A-07-01B(mastic)	Corridor	None Detected				
		A-07-02A(tile)	Corridor	None Detected				
		A-07-02B(mastic)	Corridor	None Detected				
		A-07-03A(tile)	Office Closet	None Detected				
		A-07-03B(mastic)	Office Closet	None Detected				

NOTE: Quantities Listed are for inspection purposes only. Quantities should be field verified for all other uses.

SURF = Surfacing	F= Friable	SF = Square Feet	G = Good	LPD = Low Potential for Disturbance
MISC = Miscellaneous Material	NF = Non-friable	LF = Linear Feet	D = Damaged	PD = Potential for Disturbance
TSI = Thermal System Insulation	DNA = Did Not Analyze	CF = Cubic Feet	SD = Significantly Damaged	PSD = Potential of Significant Disturbance
	ND = None Detected			

Asbestos Inspection Results Davis Ventures Community Center 33478 US Highway 264 East Engelhard, North Carolina

Homogeneous Area					Material Description			
Number	Description	Sample #	Sample Location	Total Asbestos % and Type	Location(s)	Estimated Quantity	Condition	Potential for Disturbance
A-08	Sprayed-on Texture Ceiling Surfacing SURF - F	A-08-01	Corridor North	None Detected	Throughout Main Corridor of Building	1,450 SF	G	LPD
		A-08-02	Corridor Middle	None Detected				
		A-08-03	Corridor South	None Detected				
A-09	Green Linoleum Flooring MISC - NF	A-09-01(vinyl & mastic)	Break Room	None Detected	Top Layer of Flooring in Break Room	720 SF	G	LPD
		A-09-02(vinyl & mastic)	Break Room	None Detected				
A-10	Concrete Block Wall Coating MISC - F	A-10-01	Corridor	None Detected	Throughout Concrete Block Walls of Building	Not Quantified	G	LPD
		A-10-02	Fitness Room	None Detected				
		A-10-03	Gym	None Detected				
A-11	Plaster Ceiling SURF - F	A-11-01(finish & base)	Gym Corridor	None Detected	Gym Corridor & Gym Locker Rooms	810 SF	SD	PSD
		A-11-02(finish & base)	Gym Corridor	None Detected				
		A-11-03(mash sample)	Gym Locker Room	None Detected				
A-12	12" x 12" Red Floor Tile & Mastic MISC - NF	A-12-01A(tile)	Gym Locker Room	None Detected	Gym Locker Room	100 SF	G	LPD
		A-12-01B(mastic)	Gym Locker Room	None Detected				
		A-12-02A(tile)	Gym Locker Room	None Detected				
		A-12-02B(mastic)	Gym Locker Room	None Detected				
A-13	Mud Pipe Insulation Fitting (Elbows, T's, etc.) TSI - F	A-13-01	Gym Locker Room	None Detected	Fittings Throughout Gym Locker Rooms and Mechanical Room	25 Fittings	D	PSD
		A-13-02	Mechanical Room	None Detected				
		A-13-03	Mechanical Room	None Detected				
A-14	Black Chalkboard Mastic MISC - NF	A-14-01	Fitness Room	5% Chrysotile	Throughout Chalkboards of Building	Not Quantified	G	LPD
A-15	2' x 2' Decorative Ceiling Tile MISC - F	A-15-01	Dining Room	None Detected	Cafeteria Dining Room	250 SF	D	PSD
		A-15-02	Dining Room	None Detected				
A-16	Plaster Bulkhead SURF - F	A-16-01	Dining Room	None Detected	Cafeteria Dining Room	120 SF	D	PSD
A-17	2' x 4' Drywall Ceiling Tile MISC - F	A-17-01	Kitchen	None Detected	Cafeteria Kitchen	575 SF	D	PSD
		A-17-02	Kitchen	None Detected				

NOTE: Quantities Listed are for inspection purposes only. Quantities should be field verified for all other uses.

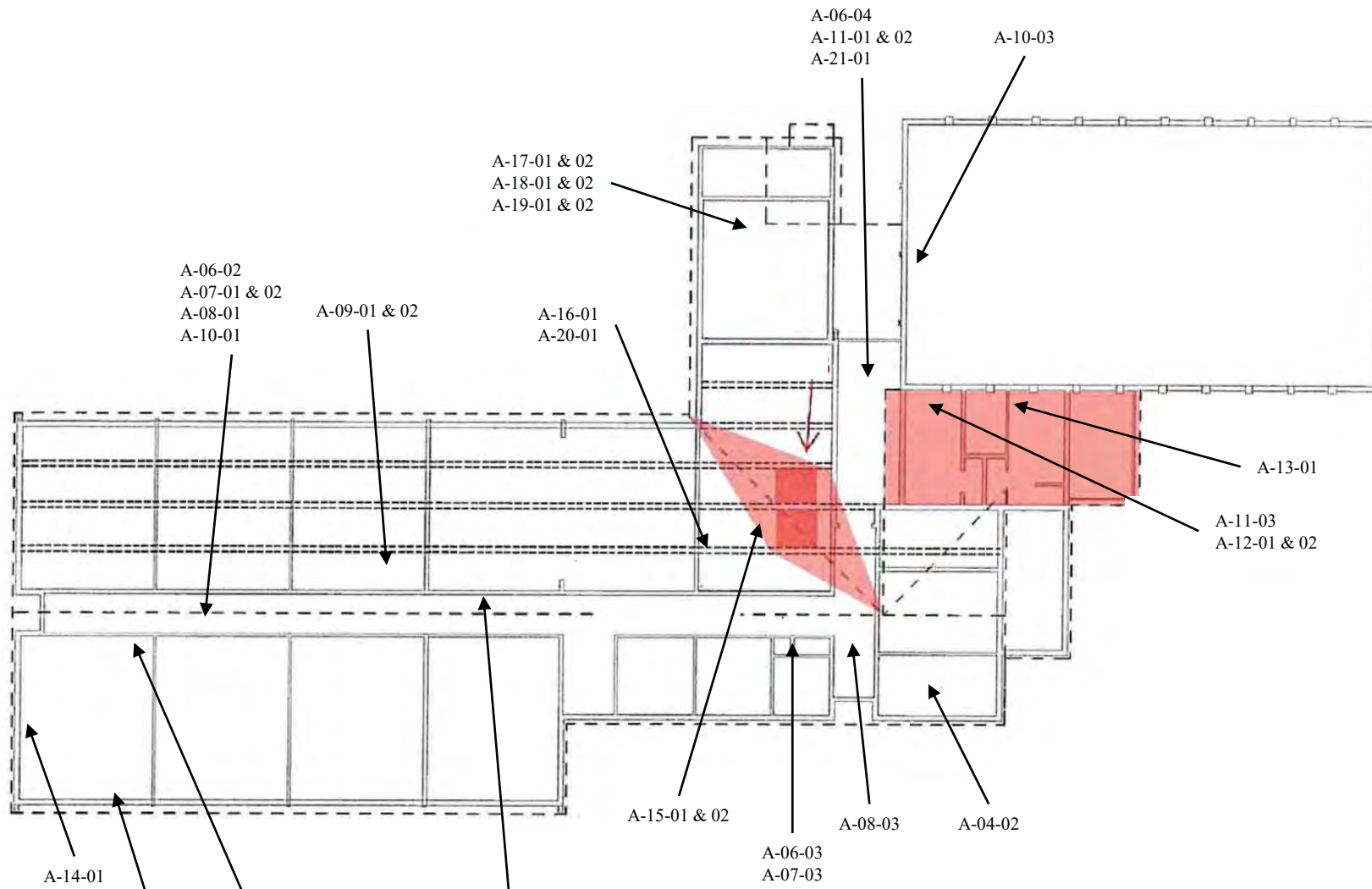
SURF = Surfacing	F= Friable	SF = Square Feet	G = Good	LPD = Low Potential for Disturbance
MISC = Miscellaneous Material	NF = Non-friable	LF = Linear Feet	D = Damaged	PD = Potential for Disturbance
TSI = Thermal System Insulation	DNA = Did Not Analyze	CF = Cubic Feet	SD = Significantly Damaged	PSD = Potential of Significant Disturbance
	ND = None Detected			


Asbestos Inspection Results Davis Ventures Community Center 33478 US Highway 264 East Engelhard, North Carolina

Homogeneous Area					Material Description			
Number	Description	Sample #	Sample Location	Total Asbestos % and Type	Location(s)	Estimated Quantity	Condition	Potential for Disturbance
A-18	Gray Flooring & Mastic MISC - F	A-18-01(flooring & mastic)	Kitchen	None Detected	Cafeteria Kitchen	575 SF	D	PSD
		A-18-02(flooring & mastic)	Kitchen	None Detected				
A-19	12" x 12" Gray Floor Tile & Mastic MISC - NF	A-19-01A(tile)	Kitchen	None Detected	Kitchen Dishwash Area	11 SF	G	LPD
		A-19-01B(mastic)	Kitchen	None Detected				
		A-19-02A(tile)	Kitchen	None Detected				
		A-19-02B(mastic)	Kitchen	None Detected				
A-20	Drywall & Joint Compound Wall MISC - F	A-20-01	Cafeteria Dining Room	None Detected	Cafeteria Dining Room	900 SF	G	LPD
A-21	Built-up Roofing Debris MISC - NF	A-21-01	Gym Corridor	None Detected	Roofing Debris on Floor in Gym Corridor	Not Quantified	G	LPD
A-22	Exterior Window Frame Caulking MISC - NF	A-22-01	Main Building Rear	4% Chrysotile	Throughout Main Building Window Units	57 Window Units	G	LPD
		A-22-02	Main Building Front	4% Chrysotile				
A-23	"Air-Cell" Straight Run Pipe Insulation TSI - F	Assumed Asbestos-Containing - No Samples Collected			Mechanical Room	10 LF	G	LPD
NOTE : Quantities Listed are for inspection purposes only. Quantities should be field verified for all other uses.								
SURF = Surfacing MISC = Miscellaneous Material TSI = Thermal System Insulation		F= Friable NF = Non-friable DNA = Did Not Analyze ND = None Detected		SF = Square Feet LF = Linear Feet CF = Cubic Feet		G = Good D = Damaged SD = Significantly Damaged		LPD = Low Potential for Disturbance PD = Potential for Disturbance PSD = Potential of Significant Disturbance

APPENDIX B

Asbestos Bulk Sampling Location Drawing



Asbestos Bulk Sampling Locations	
Davis Ventures Community Center	
Engelhard, NC	
Scale: No Scale	
Date: 1/14/2023	
Drawn by: MGC	
AEC #23009	
	

APPENDIX C

Asbestos PLM Bulk Sample Laboratory Results



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-01-01		4% Chrysotile		96% Other	White Non-Fibrous Homogeneous
10013885_0001					Ashed
A-01-02		4% Chrysotile		96% Other	White Non-Fibrous Homogeneous
10013885_0002					Teased, Ashed
A-02-01		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0003					Dissolved
A-02-02		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0004					Dissolved
A-03-01 - A		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0005	shingle				Dissolved
A-03-01 - B		None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
10013885_0047	felt				Dissolved, Teased
A-03-02 - A		None Detected	20% Fiber Glass	80% Other	Black Non-Fibrous Homogeneous
10013885_0048	shingle - not on coc				Dissolved
A-03-02 - B		None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
10013885_0049	felt - not on coc				Dissolved, Teased

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Byron Stroble (71)

Analyst

Approved Signatory

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-04-01		None Detected	45% Mineral Wool 45% Cellulose	10% Other	Gray Fibrous Homogeneous
10013885_0006					Teased, Ashed
A-04-02		None Detected	45% Mineral Wool 45% Cellulose	10% Other	Gray Fibrous Homogeneous
10013885_0007					Teased, Ashed
A-05-01 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0008	covebase				Ashed
A-05-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0050	mastic				Dissolved
A-05-02 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0009	covebase				Ashed
A-05-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0051	mastic				Dissolved
A-06-01 - A		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0010	mastic 1				Dissolved
A-06-01 - B		6% Chrysotile		94% Other	Brown Non-Fibrous Homogeneous
10013885_0052	tile				Dissolved

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Byron Stroble (71)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
 P.O. Box 7153
 Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-06-01 - C		None Detected		100% Other	Brown Non-Fibrous Homogeneous
10013885_0053	mastic 2				Dissolved
A-06-02 - A		3% Chrysotile		97% Other	Green Non-Fibrous Homogeneous
10013885_0011	tile				Dissolved
A-06-02 - B		8% Chrysotile		92% Other	Black Non-Fibrous Homogeneous
10013885_0054	mastic				Dissolved
A-06-03 - A		5% Chrysotile		95% Other	Black Non-Fibrous Homogeneous
10013885_0012	tile				Dissolved
A-06-03 - B		None Detected		100% Other	Black Non-Fibrous Homogeneous
10013885_0055	mastic				Dissolved
A-06-04 - A		3% Chrysotile		97% Other	Green Non-Fibrous Homogeneous
10013885_0013	tile				Dissolved
A-06-04 - B		None Detected		100% Other	Black Non-Fibrous Homogeneous
10013885_0056	mastic				Dissolved
A-07-01 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0014	tile				Dissolved

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Byron Stroble (71)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
 P.O. Box 7153
 Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-07-01 - B		None Detected		100% Other	White, Yellow Non-Fibrous Heterogeneous
10013885_0057	mastic/leveling compound				Dissolved
A-07-02 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0015	tile				Dissolved
A-07-02 - B		None Detected		100% Other	Yellow, White Non-Fibrous Heterogeneous
10013885_0058	mastic/leveling compound				Dissolved
A-07-03 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0016	tile				Dissolved
A-07-03 - B		None Detected		100% Other	Brown Non-Fibrous Homogeneous
10013885_0059	mastic				Dissolved
A-08-01		None Detected		90% Other 10% Vermiculite	White Non-Fibrous Homogeneous
10013885_0017					Teased
A-08-02		None Detected		90% Other 10% Vermiculite	White Non-Fibrous Homogeneous
10013885_0018					Teased
A-08-03		None Detected		90% Other 10% Vermiculite	White Non-Fibrous Homogeneous
10013885_0019					Teased

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Byron Stroble (71)

Analyst

Approved Signatory

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
 P.O. Box 7153
 Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-09-01 - A		None Detected	30% Cellulose	70% Other	Brown Non-Fibrous Homogeneous
10013885_0020	vinyl sheet flooring				Teased
A-09-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0060	mastic				Dissolved
A-09-02 - A		None Detected	30% Cellulose	70% Other	Brown Non-Fibrous Homogeneous
10013885_0021	vinyl sheet flooring				Teased
A-09-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0061	mastic				Dissolved
A-10-01		None Detected		100% Other	White Non-Fibrous Homogeneous
10013885_0022					Dissolved
A-10-02		None Detected		100% Other	Blue Non-Fibrous Homogeneous
10013885_0023					Dissolved
A-10-03		None Detected		100% Other	Green Non-Fibrous Homogeneous
10013885_0024					Dissolved
A-11-01 - A		None Detected		100% Other	White Non-Fibrous Homogeneous
10013885_0025	finish				Crushed

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Byron Stroble (71)

Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
 P.O. Box 7153
 Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-11-01 - B		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0062	base				Crushed
A-11-02 - A		None Detected		100% Other	White Non-Fibrous Homogeneous
10013885_0026	finish				Crushed
A-11-02 - B		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0063	base				Crushed
A-11-03		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0027	single layer plaster				Crushed
A-12-01 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0028	tile				Dissolved
A-12-01 - B		None Detected		100% Other	Red Non-Fibrous Homogeneous
10013885_0064	mastic				Dissolved
A-12-02 - A		None Detected		100% Other	Pink Non-Fibrous Homogeneous
10013885_0029	tile				Dissolved
A-12-02 - B		None Detected		100% Other	Red Non-Fibrous Homogeneous
10013885_0065	mastic				Dissolved

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Byron Stroble (71)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-13-01		None Detected	30% Mineral Wool	70% Other	Gray Non-Fibrous Homogeneous
10013885_0030					Teased
A-13-02 - A		None Detected	60% Cellulose	40% Other	White Fibrous Heterogeneous
10013885_0031	wrap				Dissolved, Teased
A-13-02 - B		None Detected	30% Mineral Wool	70% Other	Gray Non-Fibrous Homogeneous
10013885_0066	insulation				Teased
A-13-03 - A		None Detected	60% Cellulose	40% Other	White Fibrous Heterogeneous
10013885_0032	wrap				Dissolved, Teased
A-13-03 - B		None Detected	30% Mineral Wool	70% Other	Gray Non-Fibrous Homogeneous
10013885_0067	insulation				Teased
A-14-01		5% Chrysotile		95% Other	Gray, Beige Non-Fibrous Heterogeneous
10013885_0033					Crushed, Dissolved
A-15-01		None Detected	45% Cellulose 45% Mineral Wool	10% Other	Gray Fibrous Homogeneous
10013885_0034					Teased, Ashed
A-15-02		None Detected	45% Mineral Wool 45% Cellulose	10% Other	Gray Fibrous Homogeneous
10013885_0035					Teased, Ashed

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Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
P.O. Box 7153
Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-16-01		None Detected	10% Cellulose	90% Other	White, Brown Non-Fibrous Homogeneous
10013885_0036					Teased
A-17-01		None Detected	10% Cellulose	90% Other	Brown, White Non-Fibrous Homogeneous
10013885_0037					Teased
A-17-02		None Detected	10% Cellulose	90% Other	Brown, White Non-Fibrous Homogeneous
10013885_0038					Teased
A-18-01 - A		None Detected	60% Cellulose	40% Other	Brown Fibrous Heterogeneous
10013885_0039	vinyl sheet flooring				Dissolved, Teased
A-18-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0068	mastic				Dissolved
A-18-02 - A		None Detected	60% Cellulose	40% Other	Brown Fibrous Heterogeneous
10013885_0040	vinyl sheet flooring				Dissolved, Teased
A-18-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0069	mastic				Dissolved
A-19-01 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0041	tile				Dissolved

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Byron Stroble (71)

Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and
 40 CFR, Part 763, Subpart E, App.E



Customer: Affinity Environmental Consulting, LLC
 P.O. Box 7153
 Asheville, NC 28802

Attn: Mike Cook

Lab Order ID: 10013885

Analysis: PLM

Date Received: 01/14/2023

Date Reported: 01/17/2023

Project: Davis Ventures Community Center

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
A-19-01 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0070	mastic				Dissolved
A-19-02 - A		None Detected		100% Other	Gray Non-Fibrous Homogeneous
10013885_0042	tile				Dissolved
A-19-02 - B		None Detected		100% Other	Yellow Non-Fibrous Homogeneous
10013885_0071	mastic				Dissolved
A-20-01		None Detected	10% Cellulose	90% Other	Brown, White Non-Fibrous Heterogeneous
10013885_0043	drywall:none detect; joint compound:none detect				Teased
A-21-01		None Detected	30% Cellulose	70% Other	Black Non-Fibrous Heterogeneous
10013885_0044					Dissolved
A-22-01		4% Chrysotile		96% Other	Gray Non-Fibrous Homogeneous
10013885_0045					Ashed
A-22-02		4% Chrysotile		96% Other	Gray Non-Fibrous Homogeneous
10013885_0046					Ashed

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Byron Stroble (71)

Analyst

Approved Signatory



Scientific Analytical Institute
 4604 Dundas Dr. Greensboro, NC 27407
 Phone: 336.292.3888 Fax: 336.292.3313
 www.sailab.com lab@sailab.com

Lab Use Only
 Lab Order ID: 10013885
 Client Code: _____

Company Contact Information	
Company: Affinity Environmental Consulting, LLC	Contact: Mike Cook
Address: P.O. Box 7153	Phone <input type="checkbox"/> : (828) 508-3812
Ashville, NC 28802	Fax <input type="checkbox"/> :
	Email <input checked="" type="checkbox"/> : mcook@affinityenv.com

Asbestos Test Types	
PLM EPA 600/R-93/116 (PLM)	<input checked="" type="checkbox"/>
Positive stop	<input type="checkbox"/>
PLM Point Count 400 (PT4)	<input type="checkbox"/>
PLM Point Count 1000 (PTM)	<input type="checkbox"/>
PCM NIOSH 7400-A Rules (PCM)	<input type="checkbox"/>
B Rules (PCB) <input type="checkbox"/> TWA (PTA) <input type="checkbox"/>	
TEM AHERA (AHE)	<input type="checkbox"/>
TEM Level II (LII)	<input type="checkbox"/>
TEM NIOSH 7402 (TNI)	<input type="checkbox"/>
TEM Bulk Qualitative (TBL)	<input type="checkbox"/>
TEM Bulk Chatfield (TBS)	<input type="checkbox"/>
TEM Bulk Quantitative (TBQ)	<input type="checkbox"/>
TEM Wipe ASTM D6480-05	<input type="checkbox"/>
TEM Microvac ASTM D5755-02	<input type="checkbox"/>
TEM Water EPA 100.2 (TW1)	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>

Billing/Invoice Information	Turn Around Times	
Company: SAME	90 Min. <input type="checkbox"/>	48 Hours <input type="checkbox"/>
Contact:	3 Hours <input type="checkbox"/>	72 Hours <input type="checkbox"/>
Address:	6 Hours <input type="checkbox"/>	96 Hours <input type="checkbox"/>
	12 Hours <input type="checkbox"/>	120 Hours <input type="checkbox"/>
	24 Hours <input checked="" type="checkbox"/>	144* Hours <input type="checkbox"/>

PO Number: _____
 Project Name/Number: Davis Ventures Community Center

Sample ID #	Description/Location	Volume/Area	Comments
A-01-01			
A-01-02			
A-02-01			
A-02-02			
A-03-01			Accepted <input checked="" type="checkbox"/>
A-04-01			
A-04-02			Rejected <input type="checkbox"/>
A-05-01			
A-05-02			
A-06-01			
A-06-02			

Total # of Samples 46

Relinquished by	Date/Time	Received by	Date/Time
<i>Mike Cook</i>	1/13/23	<i>Don H. P. [Signature]</i>	1/14/23 1200

APPENDIX D

Lead Survey XRF Results

XRF PAINT TESTING DATA
 DAVIS VENTURES COMMUNITY CENTER
 33478 US HIGHWAY 264 | ENGELHARD, NC

TEST #	DATE	TIME	COLOR	SUBSTRATE	COMPONENT	LOCATION	PbC mg/cm ²	RESULT
1	1/12/2023	12:20:44	YELLOW	CMU	WALL	CORRIDOR	0.1	Negative
2	1/12/2023	12:21:06	YELLOW	CMU	WALL	CORRIDOR	0	Negative
3	1/12/2023	12:21:32	PINK	METAL	DOOR CASE	CORRIDOR	0.2	Negative
4	1/12/2023	12:21:48	PINK	METAL	DOOR CASE	CORRIDOR	0	Negative
5	1/12/2023	12:22:18	WHITE	DRYWALL	CEILING	CORRIDOR	0	Negative
6	1/12/2023	12:22:26	WHITE	DRYWALL	CEILING	CORRIDOR	0	Negative
7	1/12/2023	12:23:31	WHITE	WOOD	CEILING DECKING	FITNESS	0	Negative
8	1/12/2023	12:23:41	WHITE	WOOD	CEILING DECKING	FITNESS	0.3	Negative
9	1/12/2023	12:24:23	WHITE	CONCRETE	BEAM	FITNESS	0.6	Negative
10	1/12/2023	12:24:48	WHITE	CMU	WALL	FITNESS	0	Negative
11	1/12/2023	12:25:01	BLUE	CMU	WALL	FITNESS	0	Negative
12	1/12/2023	12:25:26	WHITE	METAL	WINDOW SASH	FITNESS	1	Positive
13	1/12/2023	12:25:49	WHITE	METAL	WINDOW CASE	FITNESS	0.9	Negative
14	1/12/2023	12:26:29	WHITE	METAL	DOOR	FITNESS	0	Negative
15	1/12/2023	12:31:32	YELLOW	WOOD	CHALKBOARD TRIM	FITNESS	0.6	Negative
16	1/12/2023	12:31:56	YELLOW	WOOD	CHALKBOARD TRIM	FITNESS	0.6	Negative
17	1/12/2023	12:32:17	YELLOW	METAL	RADIATOR	FITNESS	0	Negative
18	1/12/2023	12:32:43	YELLOW	METAL	WINDOW SASH	FITNESS	1.1	Positive
19	1/12/2023	12:35:06	WHITE	WOOD	CEILING DECKING	MEETING ROOM	0.1	Negative
20	1/12/2023	12:35:52	WHITE	CONCRETE	WINDOW HEADER	MEETING ROOM	0.7	Negative
21	1/12/2023	12:36:43	YELLOW	CMU	WALL	MEETING ROOM	0.3	Negative
22	1/12/2023	12:37:36	WHITE	WOOD	DOOR	MEETING ROOM	0.6	Negative
23	1/12/2023	12:37:52	WHITE	WOOD	DOOR CASE	MEETING ROOM	0.9	Negative
24	1/12/2023	12:38:30	WHITE	METAL	DOOR CASE	CORRIDOR	0.8	Negative
25	1/12/2023	13:00:11	WHITE	DRYWALL	WALL	CAFETERIA	0.1	Negative
26	1/12/2023	13:00:34	WHITE	WOOD	DOOR	CAFETERIA	0	Negative
27	1/12/2023	13:02:21	RED	CONCRETE	FLOOR	OFFICE	0.1	Negative
28	1/12/2023	13:02:55	GREEN	WOOD	SHELVING	OFFICE	0	Negative
29	1/12/2023	13:05:10	WHITE	WOOD	CEILING	OFFICE	0.1	Negative
30	1/12/2023	13:05:32	YELLOW	CMU	WALL	OFFICE	2.5	Positive
31	1/12/2023	13:05:45	YELLOW	CMU	WALL	OFFICE	0	Negative
32	1/12/2023	13:06:04	YELLOW	CMU	WALL	OFFICE	1.8	Positive
33	1/12/2023	13:06:16	YELLOW	CMU	WALL	OFFICE	0.1	Negative
34	1/12/2023	13:06:27	YELLOW	CMU	WALL	OFFICE	0	Negative
35	1/12/2023	13:07:09	YELLOW	METAL	WINDOW SASH	OFFICE	1.7	Positive
36	1/12/2023	13:07:23	YELLOW	METAL	WINDOW CASE	OFFICE	3	Positive
37	1/12/2023	13:07:55	WHITE	WOOD	DOOR CASE	OFFICE	0.8	Negative
38	1/12/2023	13:08:58	RED	METAL	DOOR	RESTROOM	1.5	Positive
39	1/12/2023	13:09:11	RED	METAL	DOOR CASE	RESTROOM	1.5	Positive
40	1/12/2023	13:09:43	WHITE	METAL	DOOR CASE	EXIT DOOR	0	Negative
41	1/12/2023	13:09:58	WHITE	METAL	DOOR	EXIT DOOR	0.1	Negative
42	1/12/2023	13:10:23	WHITE	CMU	WALL	RESTROOM	0.2	Negative
43	1/12/2023	13:10:39	WHITE	CONCRETE	WALL	RESTROOM	0.1	Negative
44	1/12/2023	13:11:00	WHITE	PORCELAIN	SINK	RESTROOM	0	Negative
45	1/12/2023	13:11:53	WHITE	PLASTER	CEILING	RESTROOM	0.2	Negative
46	1/12/2023	13:13:02	GRAY	BRICK	WALL	RESTROOM	0.2	Negative

XRF PAINT TESTING DATA
 DAVIS VENTURES COMMUNITY CENTER
 33478 US HIGHWAY 264 | ENGELHARD, NC

TEST #	DATE	TIME	COLOR	SUBSTRATE	COMPONENT	LOCATION	PbC mg/cm ²	RESULT
47	1/12/2023	13:13:22	GRAY	METAL	DOOR	RESTROOM	0.1	Negative
48	1/12/2023	13:13:39	RED	METAL	DOOR CASE	RESTROOM	0.4	Negative
49	1/12/2023	13:14:09	RED	METAL	DOOR CASE	LOCKER ROOM	0.4	Negative
50	1/12/2023	13:14:37	WHITE	PLASTER	CEILING	LOCKER ROOM	0.1	Negative
51	1/12/2023	13:15:02	YELLOW	CMU	WALL	LOCKER ROOM	0	Negative
52	1/12/2023	13:15:25	WHITE	CMU	WALL	GYM	0	Negative
53	1/12/2023	13:15:34	WHITE	CMU	WALL	GYM	0	Negative
54	1/12/2023	13:16:00	RED	WOOD	DOOR	GYM	0	Negative
55	1/12/2023	13:16:20	RED	METAL	DOOR	GYM	0.1	Negative
56	1/12/2023	13:18:07	GREEN	METAL	DOOR	EXTERIOR	0.1	Negative
57	1/12/2023	13:18:22	GREEN	METAL	DOOR CASE	EXTERIOR	0	Negative
58	1/12/2023	13:18:46	BLACK	METAL	WINDOW SASH	EXTERIOR	1.5	Positive
59	1/12/2023	13:19:20	WHITE	CONCRETE	WINDOW HEADER	EXTERIOR	1.3	Positive
60	1/12/2023	13:19:36	WHITE	CONCRETE	WINDOW HEADER	EXTERIOR	1.5	Positive
61	1/12/2023	13:27:55	WHITE	CMU	WALL	MECH ROOM	0	Negative
62	1/12/2023	13:29:11	GREEN	METAL	DOOR	MECH ROOM	0.9	Negative
63	1/12/2023	13:30:50	WHITE	CMU	COLUMN	EXT GYM	0	Negative
64	1/12/2023	13:31:18	RED	METAL	COLUMN	EXT GYM	0.2	Negative
65	1/12/2023	13:32:18	TAN	CMU	WALL	EXT CAFÉ	0.1	Negative
66	1/12/2023	13:32:43	BROWN	METAL	DOOR	EXT CAFÉ	0	Negative
67	1/12/2023	13:36:09	WHITE	METAL	FASCIA	EXTERIOR	0.8	Negative
68	1/12/2023	13:36:47	BEIGE	CMU	WALL	EXTERIOR	0.3	Negative
69	1/12/2023	13:37:15	BLACK	METAL	WINDOW SASH	EXTERIOR	0.8	Negative
70	1/12/2023	13:37:34	BLACK	METAL	WINDOW SASH	EXTERIOR	0.9	Negative
71	1/12/2023	13:39:42	WHITE	WOOD	EAVE	EXTERIOR	3	Positive

APPENDIX E

Mold Surface Sampling Laboratory Analysis Data

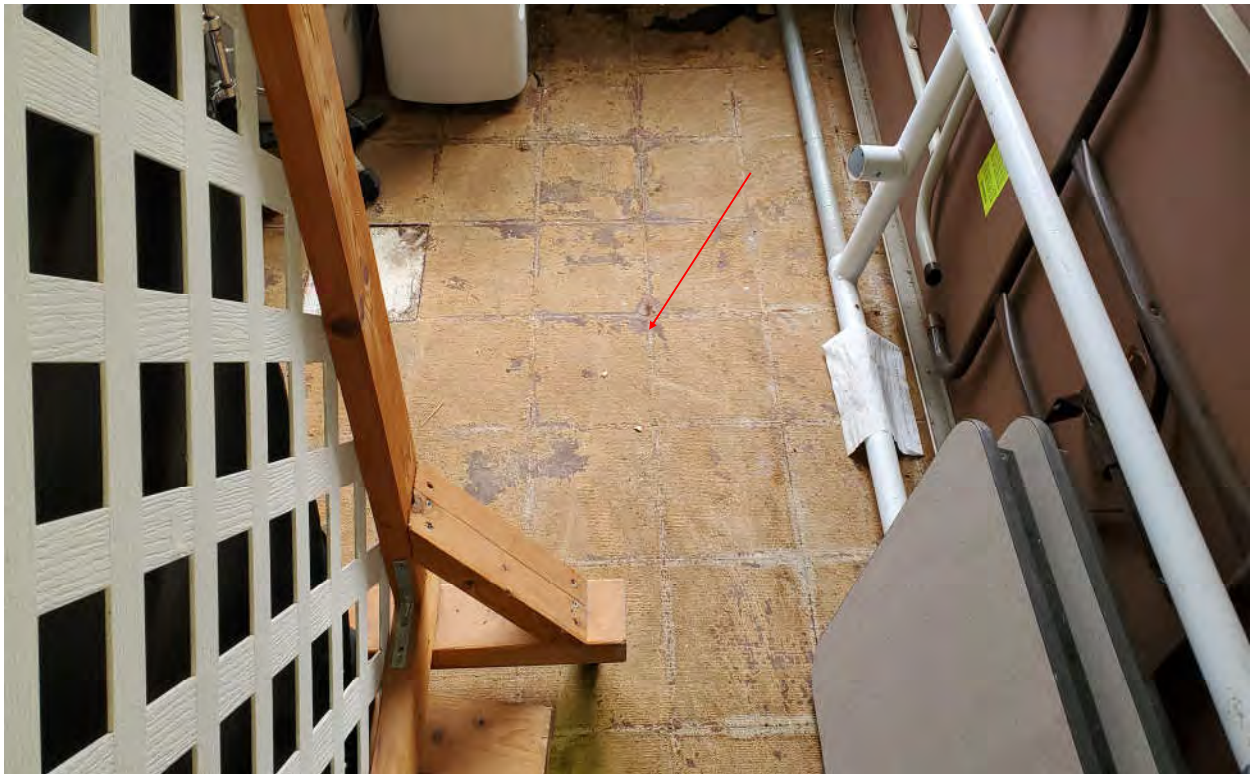
APPENDIX F

Photographs

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 1 - Homogeneous Areas A-01 & A-22—Typical Asbestos-Containing Exterior Window Glazing and Window Frame Caulking Located Throughout Main Building Window Units. (57 Window Units)

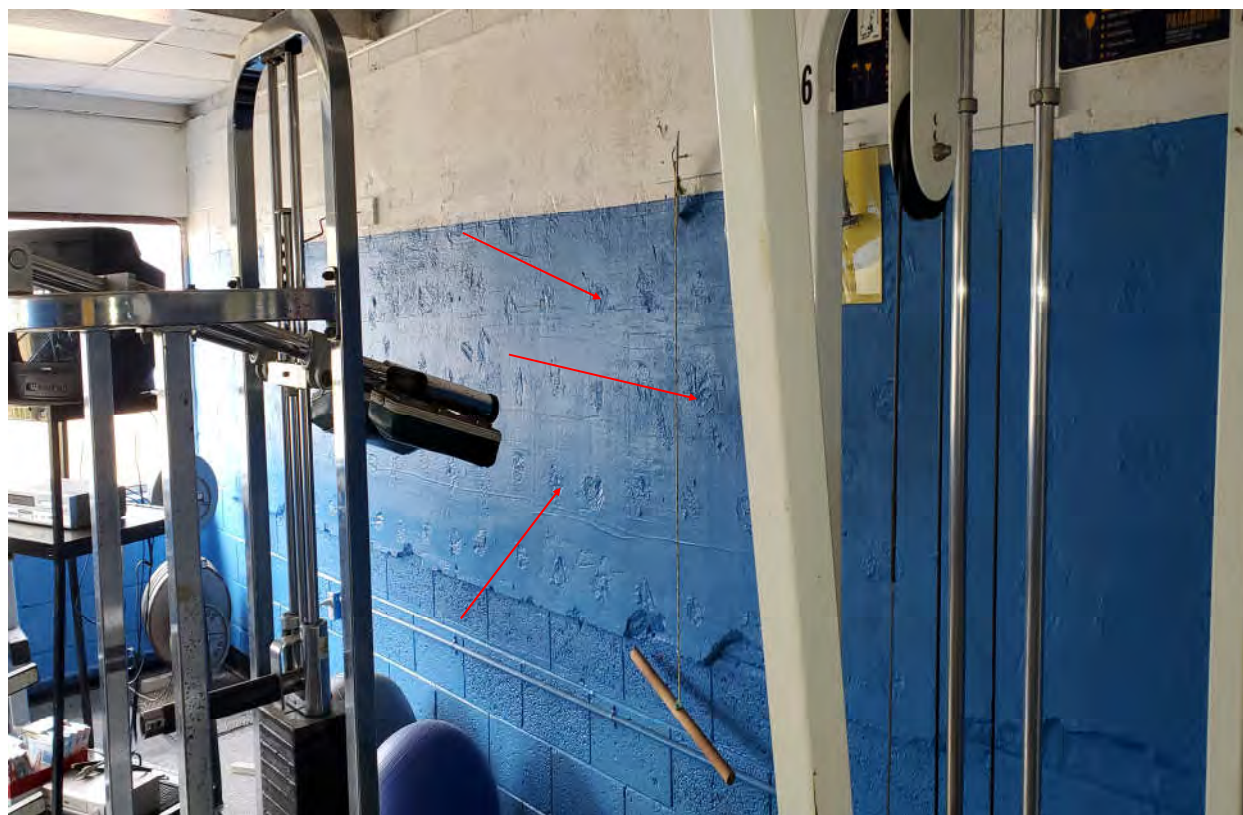


Photograph 2 - Homogeneous Area A-06—Typical Asbestos-Containing 9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) Located as Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum (9,700 SF)

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 3 - Homogeneous Area A-06 - Typical Asbestos-Containing 9" x 9" Floor Tile & Black Mastic (Green & Brown Colors) Located as Underlayer Throughout Main Building Classrooms, Corridors, & Office Area Under Carpet or Non-ACM Floor Tile or Linoleum



Photograph 4 - Homogeneous Areas A-14—Typical Asbestos-Containing Chalkboard Mastic Located Throughout Main Building Chalkboards.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 5 - Homogeneous Area A-23 - Asbestos-Containing “Air-Cell” Straight Run Pipe Insulation Located Overhead in the Mechanical Room. (10 LF)



Photograph 6 - Typical Lead-Based Paint Throughout Interior and Exterior Metal Window Components (Sashes & Casings), Concrete Window Headers, & Wooden Eaves of Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 7 - Typical Lead-Based Paint on Red Doors and Dooring Casings in Restrooms of Main Building.



Photograph 8 - Typical Lead-Based Paint on CMU Walls in This One Room Only in Office Area in Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 9 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.



Photograph 10 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 11 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.



Photograph 12 - Typical Mold Growth on Walls, Door Components, & Other Surfaces Located Throughout the Main Building.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**

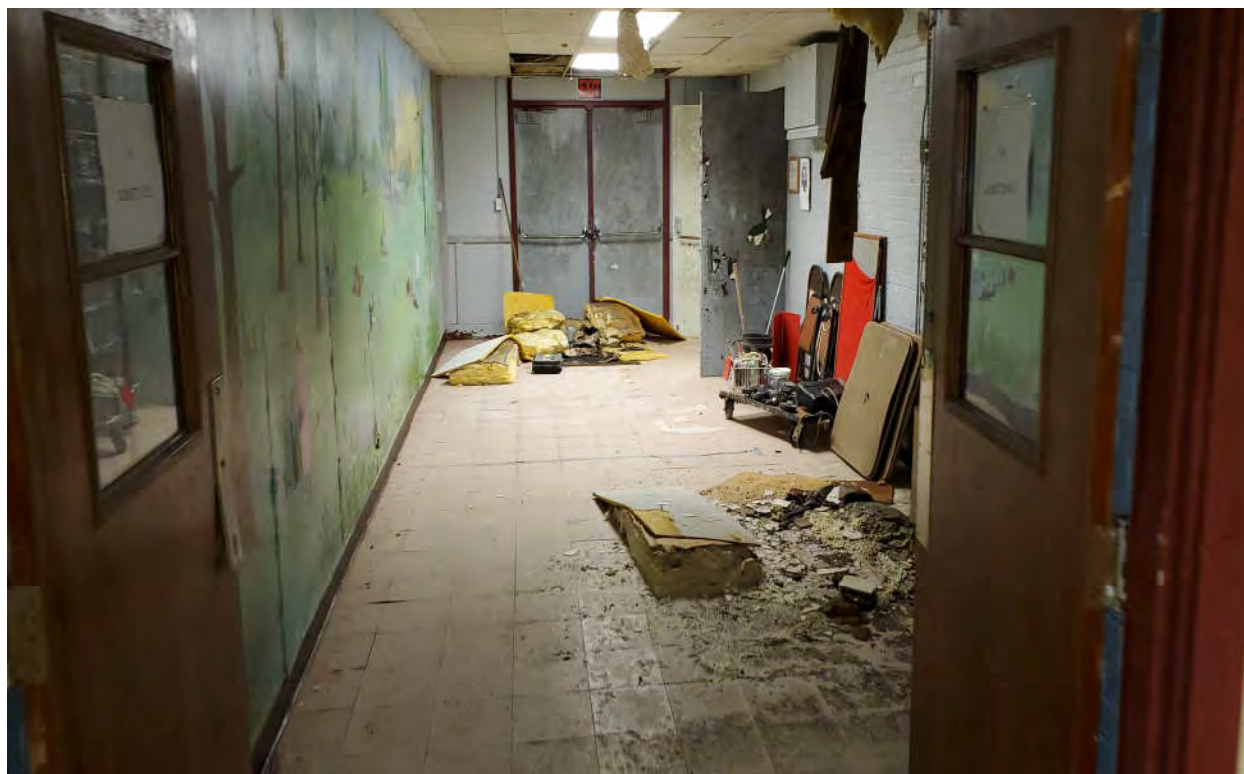


Photograph 13 - Typical Moisture Damage & Mold Growth in Cafeteria from Damaged Roof.



Photograph 14 - Typical Moisture Damage & Mold Growth on Walls, Door Components, & Other Surfaces in the Cafeteria from Damaged Roof.

**Asbestos-Containing Material Photographs
Davis Ventures Community Center
Engelhard, NC**



Photograph 15 - Typical Water Damage & Mold Growth in Gym Corridor from Damaged Roof.



Photograph 16 - Typical Moisture Damage & Mold Growth on Walls, Door Components, & Other Surfaces in the Gym Locker Rooms from Damaged Roof.

**TDAT Results and When to Consult with
Tribes under Section 106 Checklist**



Tribal Directory Assessment Information



Contact Information for Tribes with Interests in Hyde County, North Carolina

Tribal Name				County Name			
- Catawba Indian Nation				Hyde			
Contact Name	Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Dr. Wenonah G. Haire	THPO and Catawba Cultural Center Executive Director	1536 Tom Steven Road Rock Hill, SC 29730	(803) 328-2427 ext. 224	(803) 328-5791		wenonah.haire@catawba.com	http://www.catawba-indian.net/
Bill Harris	Chief	996 Avenue of the Nations Rock Hill, SC 29730	(803) 366-4792	(803) 327-4853		bill.harris@catawbaindian.net	http://www.catawba-indian.net/

1 - 1 of 1 results

« < 1 > » 10 ▾

Appendix A

When To Consult With Tribes Under Section 106

Section 106 requires consultation with federally-recognized Indian tribes when a project may affect a historic property of religious and cultural significance to the tribe. Historic properties of religious and cultural significance include: archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places, traditional cultural landscapes, plant and animal communities, and buildings and structures with significant tribal association. The types of activities that may affect historic properties of religious and cultural significance include: ground disturbance (digging), new construction in undeveloped natural areas, introduction of incongruent visual, audible, or atmospheric changes, work on a building with significant tribal association, and transfer, lease or sale of properties of the types listed above.

If a project includes any of the types of activities below, invite tribes to consult:

- significant ground disturbance (digging)**
Examples: new sewer lines, utility lines (above and below ground), foundations, footings, grading, access roads
- new construction in undeveloped natural areas**
Examples: industrial-scale energy facilities, transmission lines, pipelines, or new recreational facilities, in undeveloped natural areas like mountaintops, canyons, islands, forests, native grasslands, etc., and housing, commercial, and industrial facilities in such areas
- incongruent visual changes**
Examples: construction of a focal point that is out of character with the surrounding natural area, impairment of the vista or viewshed from an observation point in the natural landscape, or impairment of the recognized historic scenic qualities of an area
- incongruent audible changes**
Examples: increase in noise levels above an acceptable standard in areas known for their quiet, contemplative experience
- incongruent atmospheric changes**
Examples: introduction of lights that create skyglow in an area with a dark night sky
- work on a building with significant tribal association**
Examples: rehabilitation, demolition or removal of a surviving ancient tribal structure or village, or a building or structure that there is reason to believe was the location of a significant tribal event, home of an important person, or that served as a tribal school or community hall
- transfer, lease or sale of a historic property of religious and cultural significance**
Example: transfer, lease or sale of properties that contain archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, plant and animal communities, or buildings and structures with significant tribal association
- None of the above apply**

Davis Ventures Community Center	Andrea Gievers	6/13/23
Project	Reviewed By	Date

ATTACHMENT 11:

Sole Source Aquifers

U.S. EPA Sole Source Aquifers Map

U.S. EPA Sole Source Aquifers Map



4/17/2023, 4:12:52 PM

1:9,244,649

 Sole_Source_Aquifers

0 65 130 260 mi
0 105 210 420 km

Esri, HERE, Garmin, NGA, USGS, NPS

ATTACHMENT 12:

Wetlands Protection

Davis Ventures Community Center - NWI Map



June 9, 2023

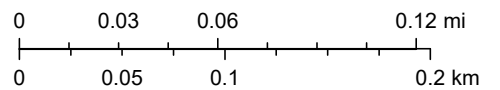
1:4,514

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

- Freshwater Pond
- Lake
- Other
- Riverine

Davis Ventures Community Center



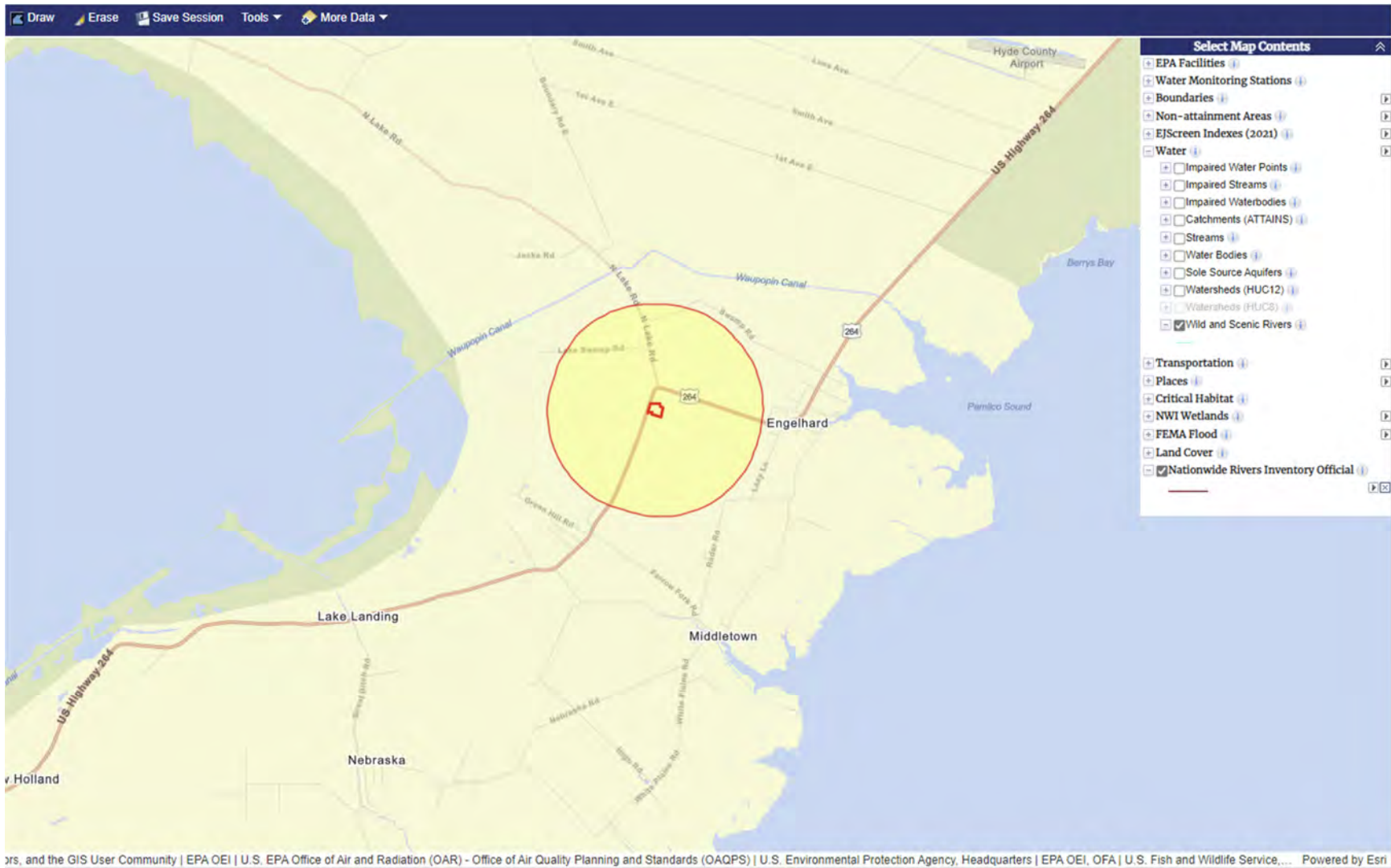
U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov, Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar

ATTACHMENT 13:

Wild and Scenic Rivers

NEPAssist Maps of DOI NPS Nationwide Rivers
Inventory and National Wild and Scenic Rivers System
Showing 1-mile Buffer from Subject Property

Davis Ventures Community Center – Wild and Scenic Rivers Map (1-mile Buffer)







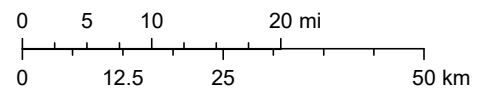
Davis Ventures Community Center - Wild Scenic Rivers Map (1-mile Buffer)



June 9, 2023

1:1,155,581

-  Project Buffer
-  Nationwide Rivers Inventory Official
-  Davis Ventures Community Center
-  Wild and Scenic Rivers



Earthstar Geographics, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS

ATTACHMENT 14:

Environmental Justice

EJScreen Standard Report, EJScreen ACS Summary Report, EJScreen Census 2010 Summary Report, EJScreen Community Report, NC DEQ Community Mapping System Map, and CDC Report for Hyde County

1 mile Ring around the Area, NORTH CAROLINA, EPA Region 4

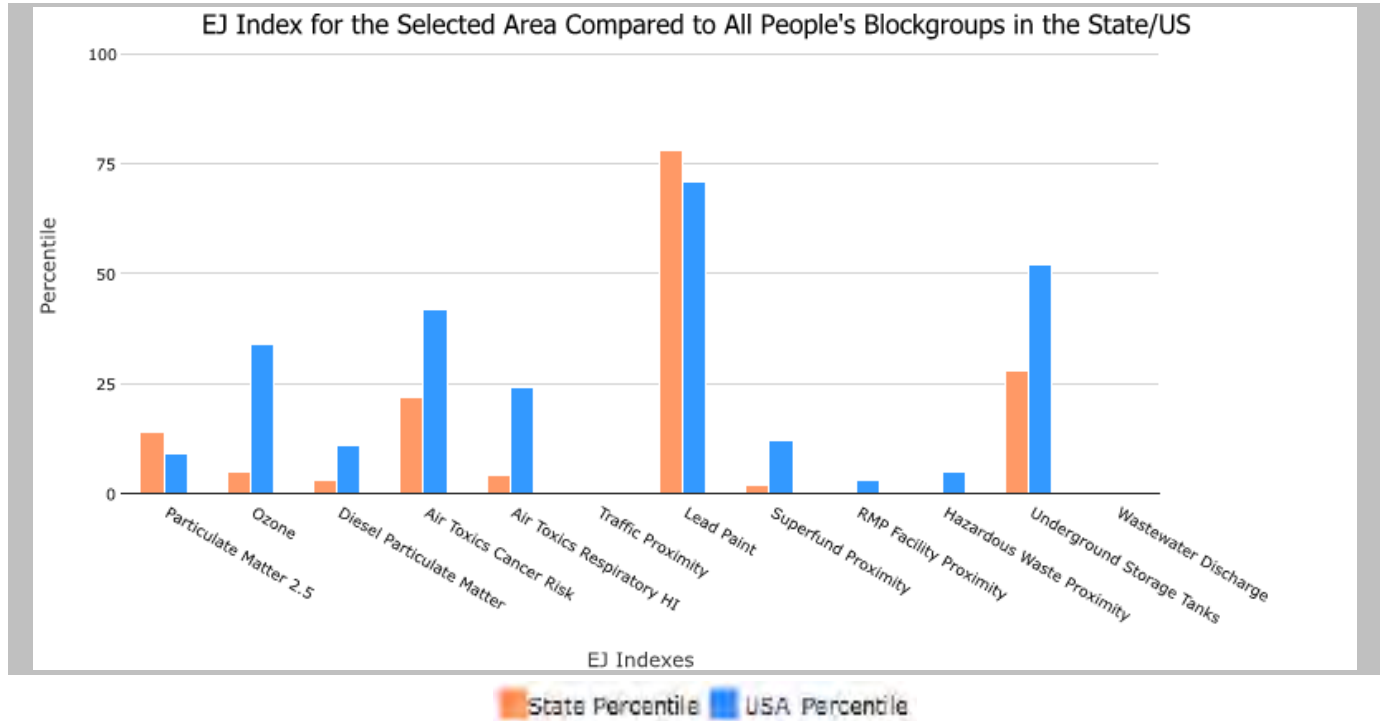
Approximate Population: 258

Input Area (sq. miles): 3.62

Davis Ventures Community Center

Selected Variables	State Percentile	USA Percentile
Environmental Justice Indexes		
Particulate Matter 2.5 EJ index	14	9
Ozone EJ index	5	34
Diesel Particulate Matter EJ index*	3	11
Air Toxics Cancer Risk EJ index*	22	42
Air Toxics Respiratory HI EJ index*	4	24
Traffic Proximity EJ index	N/A	N/A
Lead Paint EJ index	78	71
Superfund Proximity EJ index	2	12
RMP Facility Proximity EJ index	0	3
Hazardous Waste Proximity EJ index	0	5
Underground Storage Tanks EJ index	28	52
Wastewater Discharge EJ index	N/A	N/A

EJ Indexes - The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.



*Diesel particular matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: <https://www.epa.gov/haps/air-toxics-data-update>.

1 mile Ring around the Area, NORTH CAROLINA, EPA Region 4

Approximate Population: 258

Input Area (sq. miles): 3.62

Davis Ventures Community Center



Sites reporting to EPA

Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0

EJScreen Report (Version 2.11)



1 mile Ring around the Area, NORTH CAROLINA, EPA Region 4

Approximate Population: 258

Input Area (sq. miles): 3.62

Davis Ventures Community Center

Selected Variables	Value	State Avg.	%ile in State	USA Avg.	%ile in USA
Pollution and Sources					
Particulate Matter 2.5 ($\mu\text{g}/\text{m}^3$)	5.87	7.67	7	8.67	3
Ozone (ppb)	36.6	41.5	2	42.5	15
Diesel Particulate Matter* ($\mu\text{g}/\text{m}^3$)	0.0573	0.178	1	0.294	<50th
Air Toxics Cancer Risk* (lifetime risk per million)	20	28	21	28	<50th
Air Toxics Respiratory HI*	0.2	0.36	3	0.36	<50th
Traffic Proximity (daily traffic count/distance to road)	N/A	400	N/A	760	N/A
Lead Paint (% Pre-1960 Housing)	0.27	0.15	76	0.27	55
Superfund Proximity (site count/km distance)	0.011	0.08	1	0.13	5
RMP Facility Proximity (facility count/km distance)	0.023	0.41	0	0.77	1
Hazardous Waste Proximity (facility count/km distance)	0.018	0.83	0	2.2	2
Underground Storage Tanks (count/km ²)	0.084	3.9	13	3.9	27
Wastewater Discharge (toxicity-weighted concentration/m distance)	N/A	0.28	N/A	12	N/A
Socioeconomic Indicators					
Demographic Index	45%	35%	69	35%	69
Supplemental Demographic Index	18%	15%	69	15%	72
People of Color	42%	37%	63	40%	61
Low Income	47%	33%	72	30%	76
Unemployment Rate	1%	5%	24	5%	23
Limited English Speaking Households	0%	2%	0	5%	0
Less Than High School Education	23%	11%	84	12%	84
Under Age 5	9%	6%	82	6%	81
Over Age 64	12%	16%	32	16%	36
Low Life Expectancy	19%	21%	34	20%	49

EJScreen is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJScreen documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJScreen outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.

1 mile Ring around the Area, NORTH CAROLINA, EPA Region 4

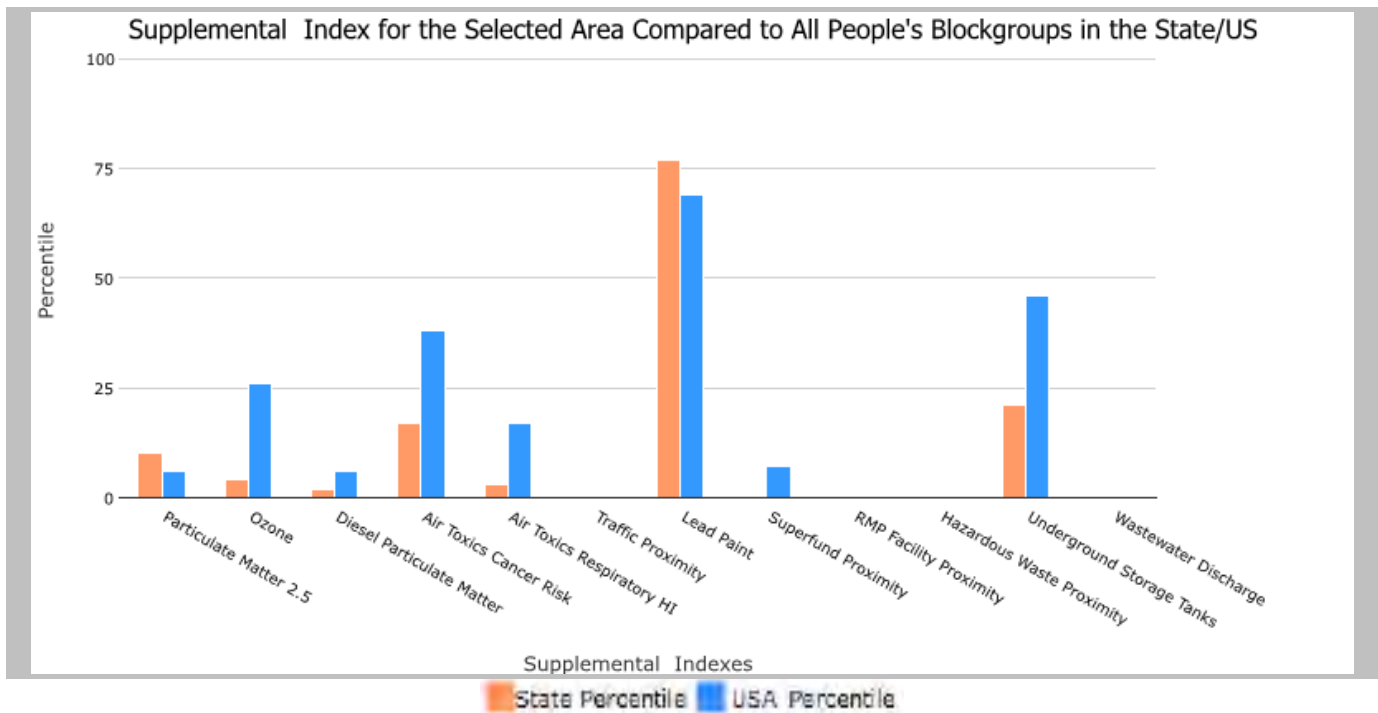
Approximate Population: 258

Input Area (sq. miles): 3.62

Davis Ventures Community Center

Selected Variables	State Percentile	USA Percentile
Supplemental Indexes		
Particulate Matter 2.5 Supplemental Index	10	6
Ozone Supplemental Index	4	26
Diesel Particulate Matter Supplemental Index*	2	6
Air Toxics Cancer Risk Supplemental Index*	17	38
Air Toxics Respiratory HI Supplemental Index*	3	17
Traffic Proximity Supplemental Index	N/A	N/A
Lead Paint Supplemental Index	77	69
Superfund Proximity Supplemental Index	0	7
RMP Facility Proximity Supplemental Index	0	0
Hazardous Waste Proximity Supplemental Index	0	0
Underground Storage Tanks Supplemental Index	21	46
Wastewater Discharge Supplemental Index	N/A	N/A

Supplemental Indexes - The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on low-income, limited English speaking, less than high school education, unemployed, and low life expectancy populations with a single environmental indicator.



This report shows the values for environmental and demographic indicators, EJScreen indexes, and supplemental indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJScreen documentation for discussion of these issues before using reports. For additional information, see: www.epa.gov/environmentaljustice.



Location: User-specified polygonal location
 Ring (buffer): 1-miles radius
 Description: Davis Ventures Community Center

Summary of ACS Estimates		2016 - 2020
Population		258
Population Density (per sq. mile)		83
People of Color Population		110
% People of Color Population		42%
Households		104
Housing Units		161
Housing Units Built Before 1950		39
Per Capita Income		18,380
Land Area (sq. miles) (Source: SF1)		3.12
% Land Area		79%
Water Area (sq. miles) (Source: SF1)		0.83
% Water Area		21%

	2016 - 2020 ACS Estimates	Percent	MOE (±)
Population by Race			
Total	258	100%	410
Population Reporting One Race	256	99%	700
White	154	60%	315
Black	101	39%	333
American Indian	0	0%	13
Asian	0	0%	13
Pacific Islander	0	0%	13
Some Other Race	0	0%	13
Population Reporting Two or More Races	3	1%	27
Total Hispanic Population	6	2%	58
Total Non-Hispanic Population	252		
White Alone	149	58%	315
Black Alone	101	39%	333
American Indian Alone	0	0%	13
Non-Hispanic Asian Alone	0	0%	13
Pacific Islander Alone	0	0%	13
Other Race Alone	0	0%	13
Two or More Races Alone	3	1%	27
Population by Sex			
Male	118	46%	226
Female	140	54%	227
Population by Age			
Age 0-4	24	9%	62
Age 0-17	84	33%	158
Age 18+	174	67%	222
Age 65+	31	12%	76

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020

Location: User-specified polygonal location
 Ring (buffer): 1-miles radius
 Description: Davis Ventures Community Center

	2016 - 2020 ACS Estimates	Percent	MOE (±)
Population 25+ by Educational Attainment			
Total	173	100%	241
Less than 9th Grade	2	1%	19
9th - 12th Grade, No Diploma	38	22%	96
High School Graduate	62	36%	144
Some College, No Degree	42	24%	117
Associate Degree	19	11%	83
Bachelor's Degree or more	11	6%	58
Population Age 5+ Years by Ability to Speak English			
Total	235	100%	368
Speak only English	225	96%	301
Non-English at Home ¹⁺²⁺³⁺⁴	9	4%	74
¹ Speak English "very well"	3	1%	33
² Speak English "well"	3	1%	35
³ Speak English "not well"	4	2%	39
⁴ Speak English "not at all"	0	0%	13
³⁺⁴ Speak English "less than well"	4	2%	39
²⁺³⁺⁴ Speak English "less than very well"	7	3%	51
Linguistically Isolated Households*			
Total	0	0%	13
Speak Spanish	0	0%	13
Speak Other Indo-European Languages	0	0%	13
Speak Asian-Pacific Island Languages	0	0%	13
Speak Other Languages	0	0%	13
Households by Household Income			
Household Income Base	104	100%	138
< \$15,000	18	17%	71
\$15,000 - \$25,000	16	15%	62
\$25,000 - \$50,000	31	30%	89
\$50,000 - \$75,000	13	13%	47
\$75,000 +	26	25%	98
Occupied Housing Units by Tenure			
Total	104	100%	138
Owner Occupied	57	55%	92
Renter Occupied	47	45%	126
Employed Population Age 16+ Years			
Total	183	100%	241
In Labor Force	94	52%	187
Civilian Unemployed in Labor Force	1	0%	16
Not In Labor Force	88	48%	187

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of anyrace.

N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS)

*Households in which no one 14 and over speaks English "very well" or speaks English only.



Location: User-specified polygonal location

Ring (buffer): 1-miles radius

Description: Davis Ventures Community Center

	2016 - 2020 ACS Estimates	Percent	MOE (±)
Population by Language Spoken at Home*			
Total (persons age 5 and above)	N/A	N/A	N/A
English	N/A	N/A	N/A
Spanish	N/A	N/A	N/A
French, Haitian, or Cajun	N/A	N/A	N/A
German or other West Germanic	N/A	N/A	N/A
Russian, Polish, or Other Slavic	N/A	N/A	N/A
Other Indo-European	N/A	N/A	N/A
Korean	N/A	N/A	N/A
Chinese (including Mandarin, Cantonese)	N/A	N/A	N/A
Vietnamese	N/A	N/A	N/A
Tagalog (including Filipino)	N/A	N/A	N/A
Other Asian and Pacific Island	N/A	N/A	N/A
Arabic	N/A	N/A	N/A
Other and Unspecified	N/A	N/A	N/A
Total Non-English	N/A	N/A	N/A

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.
 N/A means not available. **Source:** U.S. Census Bureau, American Community Survey (ACS) 2016 - 2020.
 *Population by Language Spoken at Home is available at the census tract summary level and up.



Location: User-specified polygonal location
 Ring (buffer): 1-miles radius
 Description: Davis Ventures Community Center

Summary	Census 2010
Population	330
Population Density (per sq. mile)	105
People of Color Population	157
% People of Color Population	48%
Households	117
Housing Units	162
Land Area (sq. miles)	3.13
% Land Area	79%
Water Area (sq. miles)	0.83
% Water Area	21%

Population by Race	Number	Percent
Total	330	-----
Population Reporting One Race	325	99%
White	185	56%
Black	134	41%
American Indian	1	0%
Asian	0	0%
Pacific Islander	0	0%
Some Other Race	5	1%
Population Reporting Two or More Races	5	1%
Total Hispanic Population	18	5%
Total Non-Hispanic Population	312	95%
White Alone	173	52%
Black Alone	134	41%
American Indian Alone	0	0%
Non-Hispanic Asian Alone	0	0%
Pacific Islander Alone	0	0%
Other Race Alone	0	0%
Two or More Races Alone	4	1%

Population by Sex	Number	Percent
Male	156	47%
Female	174	53%

Population by Age	Number	Percent
Age 0-4	20	6%
Age 0-17	71	21%
Age 18+	259	79%
Age 65+	59	18%

Households by Tenure	Number	Percent
Total	117	
Owner Occupied	81	69%
Renter Occupied	36	31%

Data Note: Detail may not sum to totals due to rounding. Hispanic population can be of any race.

Source: U.S. Census Bureau, Census 2010 Summary File 1.



EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

Engelhard, NC

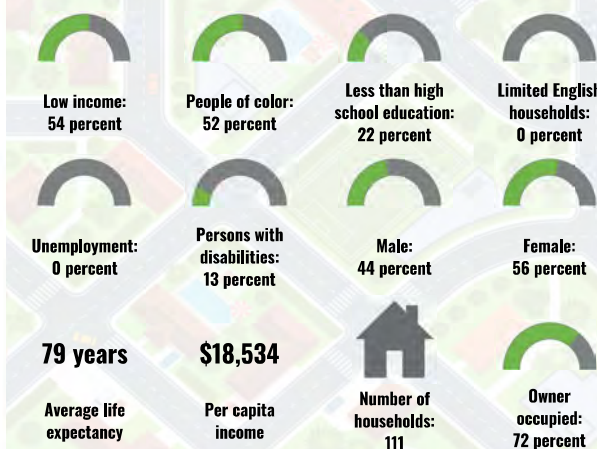
1 mile Ring around the Area
 Population: 257
 Area in square miles: 3.62



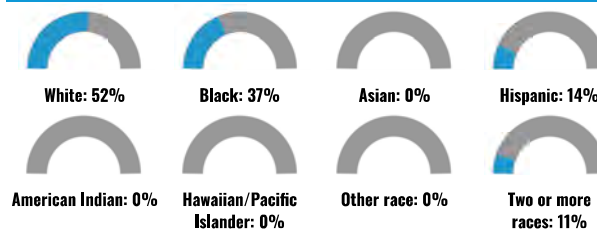
Jul 17, 2023
 Davis Ventures Community Center
 davis ventures community center

1:18,000
 0 0.17 0.35 0.71 1.42
 0 0.28 0.56 1.13 km
 Esri Community Map Compositor, Map of North Carolina 2017, Esri, DeLorme, Garmin, GeoEye, GeoNames, Inc., HEREUSA, Intermap, Inc., JP, US Census Bureau, USDA

COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
No language data available.	

Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

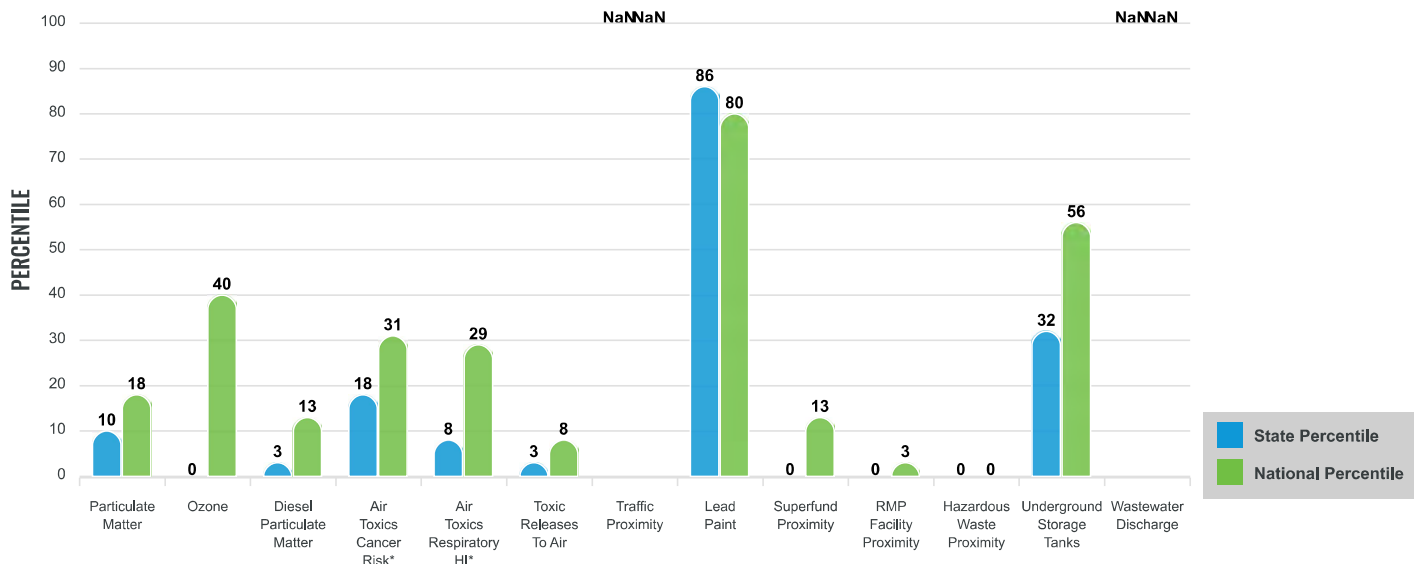
Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

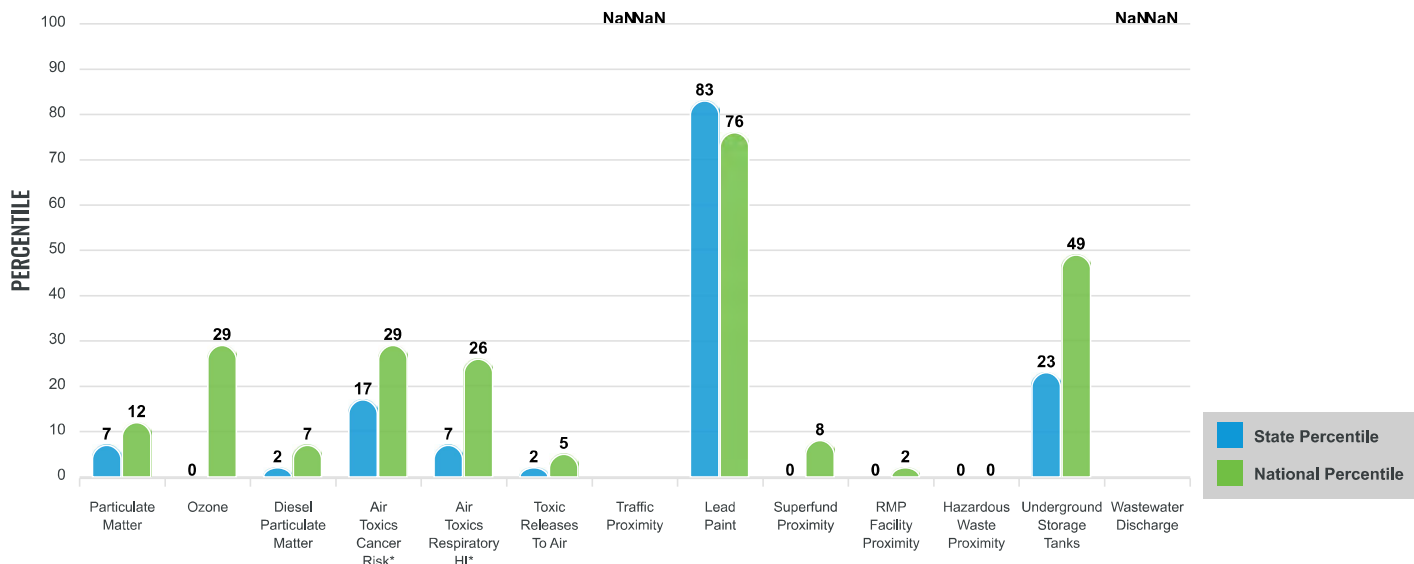
EJ INDEXES FOR THE SELECTED LOCATION



SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 1 mile Ring around the Area

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter (µg/m ³)	5.66	7.8	4	8.08	6
Ozone (ppb)	56.6	61.7	0	61.6	16
Diesel Particulate Matter (µg/m ³)	0.0519	0.168	1	0.261	4
Air Toxics Cancer Risk* (lifetime risk per million)	20	28	1	28	3
Air Toxics Respiratory HI*	0.2	0.34	1	0.31	4
Toxic Releases to Air	2.7	3,100	2	4,600	6
Traffic Proximity (daily traffic count/distance to road)	NaN	79	NaN	210	NaN
Lead Paint (% Pre-1960 Housing)	0.37	0.17	85	0.3	64
Superfund Proximity (site count/km distance)	0.011	0.081	0	0.13	5
RMP Facility Proximity (facility count/km distance)	0.015	0.26	0	0.43	1
Hazardous Waste Proximity (facility count/km distance)	0.012	0.52	0	1.9	0
Underground Storage Tanks (count/km ²)	0.088	3.9	14	3.9	27
Wastewater Discharge (toxicity-weighted concentration/m distance)	N/A	0.25	N/A	22	N/A
SOCIOECONOMIC INDICATORS					
Demographic Index	53%	36%	78	35%	77
Supplemental Demographic Index	19%	15%	76	14%	77
People of Color	52%	37%	70	39%	67
Low Income	54%	34%	82	31%	84
Unemployment Rate	0%	6%	0	6%	0
Limited English Speaking Households	0%	2%	0	5%	0
Less Than High School Education	22%	12%	84	12%	84
Under Age 5	4%	5%	48	6%	46
Over Age 64	15%	18%	46	17%	49
Low Life Expectancy	19%	21%	35	20%	49

*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: <https://www.epa.gov/haps/air-toxics-data-update>.

Sites reporting to EPA within defined area:

Superfund	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities	0
Water Dischargers	0
Air Pollution	0
Brownfields	0
Toxic Release Inventory	0

Other community features within defined area:

Schools	0
Hospitals	0
Places of Worship	0

Other environmental data:

Air Non-attainment	No
Impaired Waters	No

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community	Yes
Selected location contains an EPA IRA disadvantaged community	Yes

Report for 1 mile Ring around the Area

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	19%	21%	34	20%	49
Heart Disease	8	6.5	76	6.1	84
Asthma	9.8	9.4	65	10	49
Cancer	6.3	6.2	48	6.1	52
Persons with Disabilities	13.2%	14%	45	13.4%	54

CLIMATE INDICATORS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	85%	10%	99	12%	98
Wildfire Risk	18%	9%	88	14%	82

CRITICAL SERVICE GAPS

INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	41%	16%	94	14%	95
Lack of Health Insurance	22%	11%	94	9%	94
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Footnotes

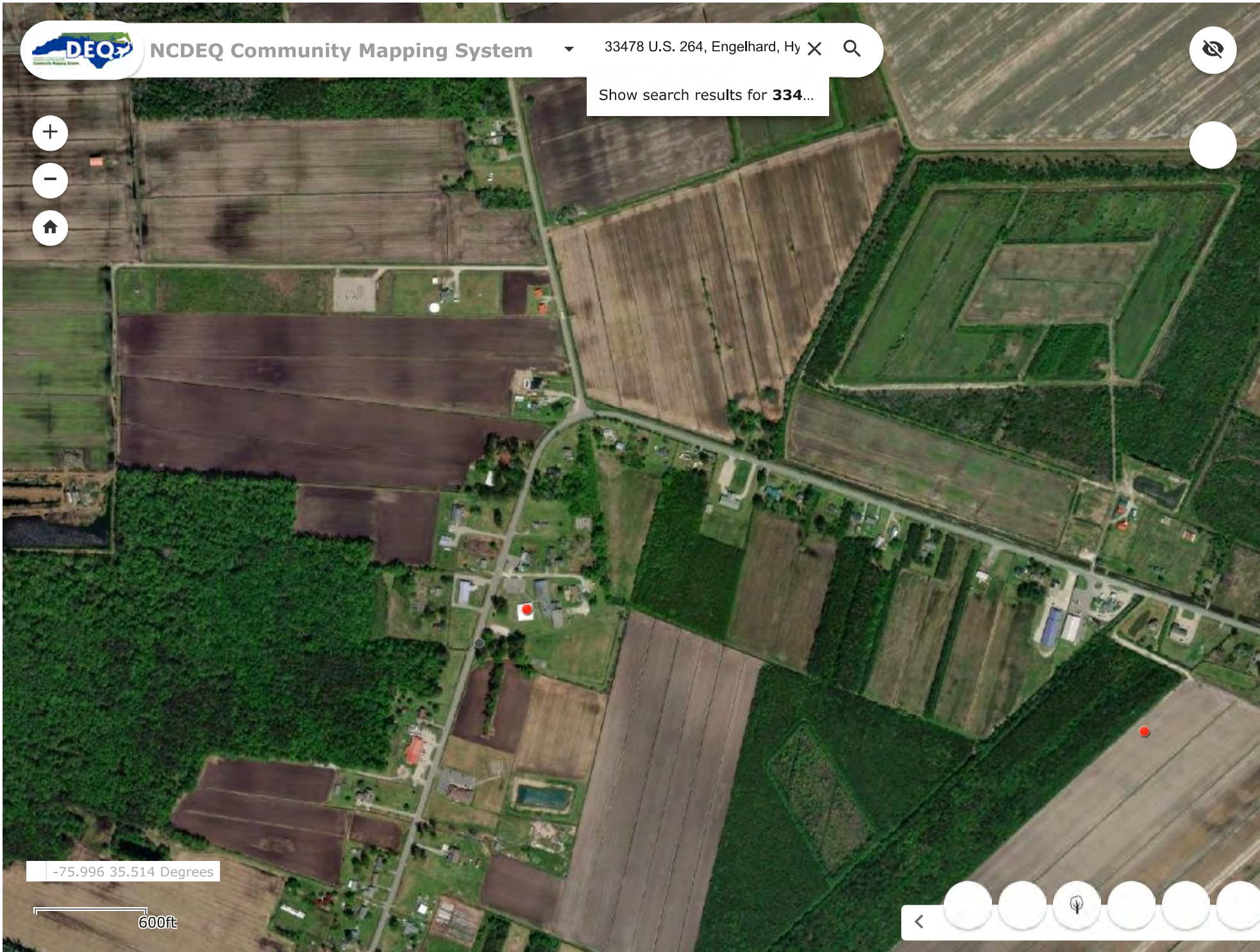
Report for 1 mile Ring around the Area



Show search results for 334...



-75.996 35.514 Degrees





The places where you live, work, and play may affect your health.
You can use this **Info by Location** tool to get a snapshot of some of the environmental health issues for your area.

Enter a county name.

Don't know the county name? Type in a zip code instead.

SUBMIT

Select Topics (optional) »

Hyde County, North Carolina[†]



POPULATION: 5,730

INCOME

Average Household Income

Hyde County: \$43,112

North Carolina: \$57,388

Residents who live below the poverty line



20.0%

Hyde County

12.9%

North Carolina

QUICK FACTS:

Out of 10 people living in this county

SEX



6 are male & 4 are female

AGE



About 2 are between the ages of 0 and 19 years

About 2 are between the ages of 20 and 34 years

About 2 are between the ages of 35 and 49 years

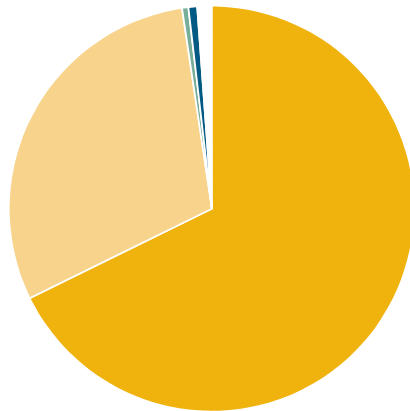
About 4 are 50 years and older

ETHNICITY



1 are Hispanic and 9 are non-Hispanic

RACE



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ned%20some%20quick%20facts%20about%20the%20people%20in%20my%20county.%20Visit%20https://ephtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data (../DataExplorer?query=C7380B65-728D-4621-A122-47283CF8B444&G5=9999) | Learn more about this topic (/showPcMain.action)

† 2020 data from the National Environmental Public Health Tracking Network (/showHome.action)



Asthma[†]

Percent of **adults** who currently have asthma

7.8%

7.0%

North Carolina

National

Asthma is a chronic disease that affects the airways that carry oxygen in and out of the lungs. Asthma can cause

- shortness of breath,
- wheezing,
- coughing, and

- tightness in the chest.

Asthma attacks have been linked to many factors, including exposure to environmental hazards like

- allergens,
- tobacco smoke, and
- indoor and outdoor air pollution.

Asthma can be controlled by taking medication and avoiding triggers that can cause an attack.



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<https://ephtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county>)

Discover the data ([/.. /DataExplorer/?query=1F12A3B5-E744-4857-9110-401524CC8D8E&fips=37&G5=9999](https://ephtracking.cdc.gov/DataExplorer/?query=1F12A3B5-E744-4857-9110-401524CC8D8E&fips=37&G5=9999)) | Learn more about this topic ([/showAsthma.action](#))

† 2020 data from the National Environmental Public Health Tracking Network ([/showHome.action](#))



Air Quality: Ground-Level Ozone[†]



Hyde County residents were exposed to unhealthy levels of ozone for **0 Days** in 2019.

Ozone occurs naturally in the sky and helps protect us from the sun's harmful rays. But ground-level ozone can be bad for your health and the environment. Ground-level ozone is one of the biggest parts of smog.

When ozone levels are above the national standard, everyone should try to limit their contact with it by reducing the amount of time spent outside.

Hyde County residents were exposed to unhealthy levels of ozone for **0 Days** in 2019.

Check the EPA's Air Quality Index (AQI) at AirNow.gov (<http://www.AirNow.gov>) to see the current air quality conditions for your location. You can use the AQI to plan your daily activities to reduce exposure to ozone.



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Discover the data (</../DataExplorer/?query=1C537D70-420B-4B25-ABBE-F1B6FAD2C30B&fips=37095&G5=9999>) | Learn more about this topic (</showAirHealth.action>)

† 2019 data from the National Environmental Public Health Tracking Network (</showHome.action>)



Air Quality: Particulate Matter[†]

ANNUAL AMBIENT CONCENTRATION OF PM_{2.5}

5.7 $\mu\text{g}/\text{m}^3$ *

Hyde County, North Carolina

12.0 $\mu\text{g}/\text{m}^3$ *

Annual National Standard

*Micrograms Per Cubic Meter ($\mu\text{g}/\text{m}^3$)

Air pollution is a leading environmental threat to human health.

Particles in the air like dust, dirt, soot, and smoke are one kind of air pollution called particulate matter. Fine particulate matter, or PM_{2.5}, is so small that it cannot be seen in the air. Breathing in PM_{2.5} may

- lead to breathing problems,
- make asthma symptoms or some heart conditions worse, and
- lead to low birth weight.

The national standard for annual PM_{2.5} levels is **12.0 $\mu\text{g}/\text{m}^3$** . When PM_{2.5} levels are above 12, this means that air quality is more likely to affect your health.

In 2019, the annual level of PM_{2.5} in **Hyde County** was **5.7 $\mu\text{g}/\text{m}^3$** . *

* Micrograms per cubic meter (./images/content/PM2-5_5.jpg) ($\mu\text{g}/\text{m}^3$)



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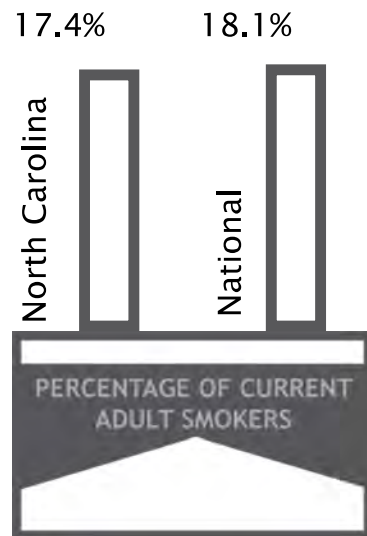
[url=https%3A%2F%2Fephtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking](https://twitter.com/share?url=https%3A%2F%2Fephtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking))

Discover the data (</../DataExplorer/?query=4E04F504-A4A2-405C-85AB-9BC6B3F7325D&fips=37095&G5=9999>) | Learn more about this topic (</showAirLanding.action>)

† 2019 data from the National Environmental Public Health Tracking Network (</showHome.action>)



Smoking[†]



Tobacco use is the single most preventable cause of death and disease in the United States. Smoking harms nearly every organ of the body. It causes many diseases and reduces the health of smokers in general. The negative health effects from cigarette smoking account for an estimated 500,000 deaths, or nearly 1 of every 5 deaths, each year in the United States.



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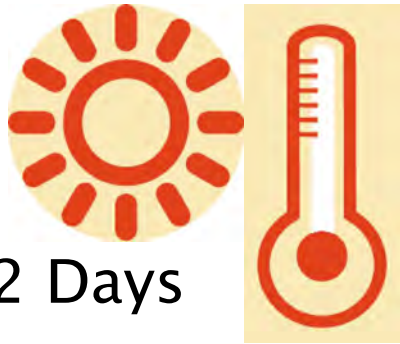
ned%20some%20quick%20facts%20about%20the%20people%20in%20my%20county.%20Visit%20https://ephtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data ([/../DataExplorer/?query=2B83BA8E-9849-47BF-92C2-2CA0D51CC90C&fips=37&G5=9999](https://ephtracking.cdc.gov/DataExplorer/?query=2B83BA8E-9849-47BF-92C2-2CA0D51CC90C&fips=37&G5=9999)) | Learn more about this topic ([/showHBSmokingPrevalence.action](#))

† 2018 data from the National Environmental Public Health Tracking Network ([/showHome.action](#))



Extreme Heat[†]



2 Days

with temperatures above 90°F

Extreme summer heat is increasing in the United States, and climate projections indicate that extreme heat events will be more frequent and intense in coming decades. Extremely hot weather can cause illness or even death. Knowing how hot it gets in your area can help you prepare for extremely hot temperatures and prevent heat related illness

(<http://emergency.cdc.gov/disasters/extremeheat/heattips.asp>).

Hyde County had **2 Days** with maximum temperatures above 90°F during May–September 2021.

Heat-related death or illnesses are preventable if you follow a few simple steps.

- Stay cool.
- Stay hydrated.
- Stay informed.



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[url=https%3A%2F%2Fephrtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking\)](https://twitter.com/share?url=https%3A%2F%2Fephrtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking)

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Discover the data ([/../DataExplorer/?query=51ED8370-BE00-4813-A4F8-AE641EF61672&fips=37095&G5=9999](https://ephrtracking.cdc.gov/DataExplorer/?query=51ED8370-BE00-4813-A4F8-AE641EF61672&fips=37095&G5=9999)) | Learn more about this topic ([/showClimateChangeExtremeHeat.action](#))

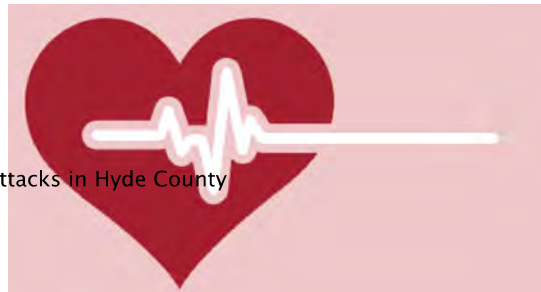
† 2021 data from the National Environmental Public Health Tracking Network ([/showHome.action](#))



Heart Attacks[†]

Less Than
10

deaths from heart attacks in Hyde County



The environment is one of several factors ([/showHeartExpRisk.action](#)) that can lead to an increased risk for heart disease. High levels of air pollution and extreme hot and cold temperatures have been linked to increases in heart disease and deaths from heart attacks. A heart attack happens when a part of the heart muscle dies or gets damaged because of reduced blood supply.

In 2020, there were

- **Less than 10 deaths** from heart attacks in Hyde County.
- **3,231 deaths** from heart attacks in North Carolina.



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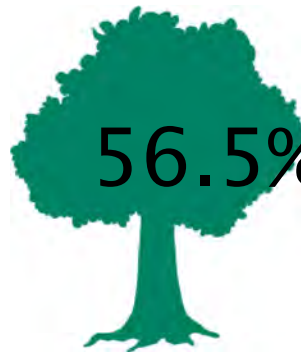
med%20some%20quick%20facts%20about%20the%20people%20in%20my%20county.%20Visit%20<https://ephtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county>.)

Discover the data ([/..../DataExplorer/?query=19D1C8B6-45AB-4216-A2CC-2DCC250FD1FE&fips=37095&G5=9999](https://ephtracking.cdc.gov/DataExplorer/?query=19D1C8B6-45AB-4216-A2CC-2DCC250FD1FE&fips=37095&G5=9999)) | Learn more about this topic ([/showHeartAttack.action](#))

† 2020 data from the National Environmental Public Health Tracking Network ([/showHome.action](#))



Access To Parks[†]



56.5%

Live within half a mile of a park in Hyde County



Having access to places for physical activity, like parks, encourages people to get active and do so more often. The closer you live to a park, the more likely you are to walk or bike there. Walking and biking to parks can decrease air pollution and car crashes, which in turn, can reduce chronic disease rates and traffic-related injuries.

In 2020,

56.5% of people living in **Hyde County** lived within half a mile of a park.

58.7% of people living in **North Carolina** lived within half a mile of a park.



([https://twitter.com/share?](https://twitter.com/share?url=https%3A%2F%2Fephtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20#environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking)

[url=https%3A%2F%2Fephtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20#environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking\)](https://twitter.com/share?url=https%3A%2F%2Fephtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20#environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking)

med%20some%20quick%20facts%20about%20the%20people%20in%20my%20county.%20Visit%20https://ephtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data ([/./DataExplorer/?query=16F809E7-BD81-4A24-8588-F6A3A62B866E&fips=37095&G5=9999](https://ephtracking.cdc.gov/DataExplorer/?query=16F809E7-BD81-4A24-8588-F6A3A62B866E&fips=37095&G5=9999)) | Learn more about this topic ([/showProximityToHighways.action](#))

† 2020 data from the National Environmental Public Health Tracking Network ([/showHome.action](#))



Proximity To Highways[†]



1.4%



of Hyde County population that live within 150m of a highway

Traffic-related air pollution is a major cause of unhealthy air quality, especially in urban areas. Many health problems have been linked to exposure to traffic-related air pollution. The closer your home or school is to a major highway, the more likely you and your family are to be exposed to traffic-related air

pollution.

In 2020, **1.4%** of the population of Hyde County lived within 150 meters* of a major highway.

In 2020, **66.7%** of Hyde County public schools were sited within 150 meters* of a major highway.

* 150 meters is about 2 blocks.



([https://twitter.com/share?](https://twitter.com/share?url=https%3A%2F%2Fephtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking)

[url=https%3A%2F%2Fephtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking\)](https://twitter.com/share?url=https%3A%2F%2Fephtracking.cdc.gov%2FInfoByLocation%2F&text=Check%20out%20environmental%20health%20in%20your%20county&hashtags=PublicHealth,Tracking)

ned%20some%20quick%20facts%20about%20the%20people%20in%20my%20county.%20Visit%20https://ephtracking.cdc.gov/InfoByLocation%2F%20to%20find%20out%20facts%20for%20your%20county.)

Discover the data ([../DataExplorer/?query=75C3D4C4-D2CC-4E1B-A26C-FA01EE02076C&fips=37095&G5=9999](https://ephtracking.cdc.gov/InfoByLocation/?query=75C3D4C4-D2CC-4E1B-A26C-FA01EE02076C&fips=37095&G5=9999)) | Learn more about this topic ([/showProximityToHighways.action](https://ephtracking.cdc.gov/InfoByLocation/showProximityToHighways.action))

† 2020 data from the National Environmental Public Health Tracking Network ([/showHome.action](https://ephtracking.cdc.gov/InfoByLocation/showHome.action))



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Vulnerability Disclosure Policy (<https://www.hhs.gov/vulnerability-disclosure-policy/index.html>)

Visit the Tracking Network for more information about your health and the environment.

www.cdc.gov/ephtracking (<http://www.cdc.gov/ephtracking/>)

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(mailto:EPHT@LISTSERV.CDC.GOV?

subject=Please%20add%20me%20to%20CDC's%20Environmental%20Public%20
serv.&body=Please%20fill%20in%20the%20information%20below:%0AName:%0



ATTACHMENT 15:

State Environmental Clearinghouse Comments

Draft CEST Comments



Roy Cooper
Governor

Pamela B. Cashwell
Secretary

July 21, 2023

Andrea Gievers
Hyde County
c/o NC Department of Public Safety
Office of Recovery and Resiliency
Durham, NC 27709-

Re: SCH File # 23-E-4600-0252 Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and rem

Dear Andrea Gievers:

The above referenced environmental impact information has been submitted to the State Clearinghouse under the provisions of the National Environmental Policy Act. According to G.S. 113A-10, when a state agency is required to prepare an environmental document under the provisions of federal law, the environmental document meets the provisions of the State Environmental Policy Act.

Attached to this letter are comments made by the agencies in the review of this document. If any further environmental review documents are prepared for this project, they should be forwarded to this office for intergovernmental review.

If you have any questions, please do not hesitate to contact me at (984) 236-0000.

Sincerely,

KADISHA MOLYNEAUX
State Environmental Review Clearinghouse

Attachments

Mailing
1301 Mail Service Center | Raleigh, NC 27699-1301



ncadmin.nc.gov

Location
116 West Jones St. | Raleigh NC 27603
984-236-0000 T

Control No.: 23-E-4600-0252

Date Received: 6/20/2023

County.: HYDE

Agency Response: 7/20/2023

Review Closed: 7/20/2023

JINTAO WEN
CLEARINGHOUSE COORDINATOR
DPS - DIV OF EMERGENCY MANAGEMENT

Project Information

Type: National Environmental Policy Act ironmental Assessment

Applicant: Hyde County

Project Desc.: Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions.

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: JINTAO WEN

Date: 7/10/2023

Control No.: 23-E-4600-0252

Date Received: 6/20/2023

County.: HYDE

Agency Response: 7/20/2023

Review Closed: 7/20/2023

JESSICA MOSLEY
CLEARINGHOUSE COORDINATOR
DEPT OF TRANSPORTATION

Project Information

Type: National Environmental Policy Act ironmental Assessment

Applicant: Hyde County

Project Desc.: Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions.

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: JESSICA MOSLEY

Date: 6/21/2023

Control No.: 23-E-4600-0252

Date Received: 6/20/2023

County.: HYDE

Agency Response: 7/20/2023

Review Closed: 7/20/2023

DEVON BORGARDT
CLEARINGHOUSE COORDINATOR
DEPT OF NATURAL & CULTURAL
RESOURCE

Project Information

Type: National Environmental Policy Act Environmental Assessment

Applicant: Hyde County

Project Desc.: Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions.

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Reviewed By: DEVON BORGARDT

Date: 7/19/2023



North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office

Ramona M. Bartos, Administrator

Governor Roy Cooper
Secretary D. Reid Wilson

Office of Archives and History
Deputy Secretary, Darin J. Waters, Ph.D.

July 19, 2023

MEMORANDUM

TO: Andrea Gievers andrea.l.gievers@rebuild.nc.gov
N.C. Office of Recovery & Resiliency
Department of Public Safety

FROM: Ramona M. Bartos, Deputy State Historic Preservation Officer *RMB for Ramona M. Bartos*

SUBJECT: Davis Ventures Community Center Improvement, 33478 US Highway 264, Englehard, Hyde County, SCH 23-E-4600-0252, ER 19-2399

Thank you for your recent submission concerning the above-referenced undertaking. We have reviewed the proposed work to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions and offer the following comments.

We are pleased to see and applaud the proposed work for in-kind repair and rebuilding of deteriorated portions of the existing roofing, along with preserving the encapsulated original flat roof and monitor roof on the National Register-listed Davis School (HY0907). This work will help to ensure the re-use of these contributing portions of the school and long-term preservation of this historically and architecturally significant property.

Much of the proposed undertaking, including roof work, soffit and fascia repairs, hazardous material remediation, and interior work appears to meet the *Secretary of the Interior's Standards for Rehabilitation*. Linked below is a National Park Service Preservation Brief (#37) on "*Appropriate Methods for Reducing Lead-Paint Hazards in Historic Housing*", that may provide helpful guidance for lead abatement.

<https://home1.nps.gov/tps/how-to-preserve/briefs/37-lead-paint-hazards.htm>

Windows

The 75% construction drawings indicate that the existing windows are to remain – see sheet A0.01, D12 under Demo Key Notes: "*all existing window assembly to remain, UNO*". We are confused in that the submittal letter from June 13, 2023, notes "*removal and replacement of existing windows with new thermally-broken aluminum storefront and low-e coated insulated glazing panels*". Please provide clarification as to whether the existing historic windows are to be retained or be replaced.

Replacement of the original windows that are repairable would not meet the *Secretary of the Interior's Standards for Rehabilitation* and would result in an adverse effect. The steel-frame windows are an important character defining feature of the school buildings and replacement does not meet *Standards* one, three, and five, noted below.

1: The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.

3: Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a historic property shall be preserved.

5: Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match to old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.

To meet the *Standards* and avoid an adverse effect, the existing historic windows must be repaired rather than replaced. The National Park Service's (NPS) Preservation Brief #9, The Repair of Historic Wooden Windows, provides helpful information and guidance on historic wood windows. This brief can be on the NPS website linked below:

<https://www.nps.gov/tps/how-to-preserve/briefs/9-wooden-windows.htm>.

To make the windows more energy efficient, consider retrofitting them with double-insulated glass or by adding storm window units. Exterior or interior storm glazing may also be added to improve energy efficiency. To minimize the visual impact of adding storm windows the division of the storm windows must align with the meeting rails of the historic windows.

NPS Preservation Brief # 3 Improving Energy Efficiency in Historic Buildings, is another information resource and can be found at the NPS link below:

<https://www.nps.gov/tps/how-to-preserve/briefs/3-improve-energy-efficiency.htm>

Restoration Specialist Reid Thomas is available upon request and time-available basis to provide technical restoration advice with the project. Mr. Thomas can be reached at email: reid.thomas@dncr.nc.gov or office: (252) 830-6580, ext 222.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, Environmental Review Coordinator, at 919-814-6579 or environmental.review@ncdcr.gov. In all future communication concerning this project, please cite the above referenced tracking number.

cc: Crystal Best, NC SCH
Reid Thomas, NC HPO-EO

crystal.best@doa.nc.gov
reid.thomas@dncr.nc.gov

Control No.: 23-E-4600-0252

Date Received: 6/20/2023

County.: HYDE

Agency Response: 7/20/2023

Review Closed: 7/20/2023

LYN HARDISON
CLEARINGHOUSE COORDINATOR
DEPT OF ENVIRONMENTAL QUALITY

Project Information

Type: National Environmental Policy Act ironmental Assessment

Applicant: Hyde County

Project Desc.: Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions.

As a result of this review the following is submitted:

No Comment

Comments Below

Documents Attached

Please review comments

Reviewed By: LYN HARDISON

Date: 7/24/2023



NORTH CAROLINA
Environmental Quality

ROY COOPER
Governor

ELIZABETH S. BISER
Secretary

To: Crystal Best
State Clearinghouse
NC Department of Administration

From: Lyn Biles
Division of Environmental Assistance and Customer Service
Washington Regional Office

Re: 23-0252
Environmental Assessment - Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate, and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions. Hyde County

Date: July 18, 2023

The Department of Environment Quality has reviewed the proposal for the referenced project. Based on the information provided, several of our agencies have identified permits that may be required and offered some valuable guidance. The comments are attached for the applicant's review.

The Department will continue to be available to assist the applicant with any questions or concerns.

Thank you for the opportunity to respond.

Attachments



North Carolina Department of Environmental Quality

217 West Jones Street | 1601 Mail Service Center | Raleigh, North Carolina 27699-1601

919.707.8600



NORTH CAROLINA
Environmental Quality

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director

July 12, 2023

To: Lyn Biles, Environmental Assistance and SEPA Coordinator
Division of Environmental Assistance and Customer Service

From: Melodi Deaver, Administrative Specialist
Division of Waste Management, Hazardous Waste Section

RE: NEPA Review, Project#23-0252, Hyde County/HUD (Hyde County)

The Hazardous Waste Section has reviewed the proposed project for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate, and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions and would like to make the following comment.

Any hazardous waste generated from the demolition, construction, operation, maintenance, and/or remediation (e.g. excavated soil) from the proposed project must be managed in accordance with the North Carolina Hazardous Waste Rules. The demolition, construction, operation, maintenance, and remediation activities conducted will most likely generate a solid waste, and a determination must be made whether it is a hazardous waste. If a project site generates more than 220 pounds of hazardous waste in a calendar month, the HWS must be notified, and the site must comply with the small quantity generator (SQG) requirements. If a project site generates more than 2200 pounds of hazardous waste in a calendar month, the HWS must be notified, and the facility must comply with the large quantity generator (LQG) requirements.

Generators are required to determine their generator status and both SQGs & LQGs are required to obtain a site EPA Identification number for the generation of hazardous waste.

Should any questions arise, please contact Melodi Deaver at 919-707-8204 or Heather Goldman at 919-270-2186.

Respectfully,

Melodi Deaver

Compliance Branch
Hazardous Waste Section



North Carolina Department of Environmental Quality | Division of Waste Management
Raleigh Regional Office | 3800 Barrett Drive | Raleigh, North Carolina 27609
919.791.4200

ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director



MEMORANDUM

TO: Michael Scott, Division Director through Sharon Brinkley

FROM: Amanda Thompson, Environmental Senior Specialist - Solid Waste Section

DATE: June 30, 2023

SUBJECT: Review: SW 23-0252 – Hyde County (EA – Hyde County/HUD – Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate, and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove/dispose of nonfunctional mechanical systems and remove/store kitchen equipment.)

The Division of Waste Management, Solid Waste Section (Section) has reviewed the documents submitted for the subject project in Hyde County, NC. Based on the information provided in this document, the Section at this time does not see an adverse impact on the surrounding communities and likewise knows of no situations in the communities, which would affect this project.

For any planned or proposed projects, it is recommended that during any land clearing, demolition, and construction, the Hyde county/HUD and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the development of this project where suitable. **Any waste generated by and of the project that cannot be beneficially reused or recycled as described, may require disposal of at a solid waste management facility permitted by the Division. The Section strongly recommends that the Hyde County/HUD require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.**

Permitted solid waste management facilities are listed on the Division of Waste Management, Solid Waste Section portal site at: <https://deq.nc.gov/about/divisions/waste-management/waste-management-rules-data/solid-waste-management-annual-reports/solid-waste-permitted-facility-list>

And the site locator tool at:

<https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebf49fc383f688>

Questions regarding solid waste management for this project should be directed to Mr. Ray Williams, Environmental Senior Specialist, Solid Waste Section, at (252) 948-3955.

cc: Ray Williams, Environmental Senior Specialist



North Carolina Department of Environmental Quality | Division of Waste Management
Fayetteville Regional Office | 225 Green Street, Suite 714 | Fayetteville, North Carolina 28301
910.433.3300

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Washington
 Project Number: 23-0252 Due Date: 07/17/2023
 County: Hyde

After review of this project, it has been determined that the DEQ permit(s) and/or approvals indicated may need to be obtained for this project to comply with North Carolina Law. Questions regarding these permits should be addressed to the Regional Office indicated on the reverse of the form. All applications, information and guidelines relative to these plans and permits are available from the same Regional Office.

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (Statutory time limit)
<input type="checkbox"/>	Permit to construct & operate wastewater treatment facilities, non-standard sewer system extensions & sewer systems that do not discharge into state surface waters.	Application 90 days before begins construction or award of construction contracts. On-site inspection may be required. Post-application technical conference usual.	30 days (90 days)
<input type="checkbox"/>	Permit to construct & operate, sewer extensions involving gravity sewers, pump stations and force mains discharging into a sewer collection system	Fast-Track Permitting program consists of the submittal of an application and an engineer's certification that the project meets all applicable State rules and Division Minimum Design Criteria.	30 days (N/A)
<input type="checkbox"/>	NPDES - permit to discharge into surface water and/or permit to operate and construct wastewater facilities discharging into state surface waters.	Application 180 days before begins activity. On-site inspection. Pre-application conference usual. Additionally, obtain permit to construct wastewater treatment facility granted after NPDES. Reply time, 30 days after receipt of plans or issue of NPDES permit-whichever is later.	90-120 days (N/A)
<input type="checkbox"/>	Water Use Permit	Pre-application technical conference usually necessary.	30 days (N/A)
<input type="checkbox"/>	Well Construction Permit	Complete application must be received, and permit issued prior to the installation of a groundwater monitoring well located on property not owned by the applicant, and for a large capacity (>100,000 gallons per day) water supply well.	7 days (15 days)
<input type="checkbox"/>	Dredge and Fill Permit	Application copy must be served on each adjacent riparian property owner. On-site inspection. Pre-application conference usual. Filling may require Easement to Fill from N.C. Department of Administration and Federal Dredge and Fill Permit.	55 days (90 days)
<input type="checkbox"/>	Permit to construct & operate Air Pollution Abatement facilities and/or Emission Sources as per 15 A NCAC (2Q.0100 thru 2Q.0300)	Application must be submitted, and permit received prior to construction and operation of the source. If a permit is required in an area without local zoning, then there are additional requirements and timelines (2Q.0113).	90 days
<input checked="" type="checkbox"/>	Any open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900	N/A	60 days (90 days)
<input checked="" type="checkbox"/>	Demolition or renovations of structures containing asbestos material must be in compliance with 15 A NCAC 20.1110 (a) (1) which requires notification and removal prior to demolition. Contact Asbestos Control Group 919-707-5950	Please Note - The Health Hazards Control Unit (HHCU) of the N.C. Department of Health and Human Services, must be notified of plans to demolish a building, including residences for commercial or industrial expansion, even if no asbestos is present in the building.	60 days (90 days)
<input checked="" type="checkbox"/>	The Sedimentation Pollution Control Act of 1973 must be properly addressed for any land disturbing activity. An erosion & sedimentation control plan will be required if one or more acres are to be disturbed. Plan must be filed with and approved by applicable Regional Office (Land Quality Section) at least 30 days before beginning activity. A NPDES Construction Stormwater permit (NCG010000) is also usually issued should design features meet minimum requirements. A fee of \$100 for the first acre or any part of an acre. An express review option is available with additional fees.		20 days (30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with NCDOT's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		(30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with _____ Local Government's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		Based on Local Program
<input type="checkbox"/>	Compliance with 15A NCAC 04B .0125 – Buffers Zones for Trout Waters shall have an undisturbed buffer zone 25 feet wide or of sufficient width to confine visible siltation within the twenty-five percent (25%) of the buffer zone nearest the land-disturbing activity, whichever is greater.		
<input type="checkbox"/>	Compliance with 15A NCAC 2H .0126 - NPDES Stormwater Program which regulates three types of activities: Industrial, Municipal Separate Storm Sewer System & Construction activities that disturb ≥1 acre.		30-60 days (90 days)
<input type="checkbox"/>	Compliance with 15A NCAC 2H 1000 -State Stormwater Permitting Programs regulate site development and post-construction stormwater runoff control. Areas subject to these permit programs include site all 20 coastal counties, and various other counties and watersheds throughout the state.		45 days (90 days)

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Washington
 Project Number: 23-0252 Due Date: 07/17/2023
 County: Hyde

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (Statutory time limit)
<input type="checkbox"/>	Mining Permit	On-site inspection usual. Surety bond filed with DEQ Bond amount varies with type mine and number of acres of affected land. Affected area greater than one acre must be permitted. The appropriate bond must be received before the permit can be issued.	30 days (60 days)
<input type="checkbox"/>	Dam Safety Permit	If permit required, application 60 days before begin construction. Applicant must hire N.C. qualified engineer to prepare plans, inspect construction, and certify construction is according to DEQ approved plans. May also require a permit under mosquito control program. And a 404 permit from Corps of Engineers. An inspection of site is necessary to verify Hazard Classification. A minimum fee of \$200.00 must accompany the application. An additional processing fee based on a percentage, or the total project cost will be required upon completion.	30 days (60 days)
<input type="checkbox"/>	Oil Refining Facilities	N/A	90-120 days (N/A)
<input type="checkbox"/>	Permit to drill exploratory oil or gas well	File surety bond of \$5,000 with DEQ running to State of NC conditional that any well opened by drill operator shall, upon abandonment, be plugged according to DEQ rules and regulations.	10 days N/A
<input type="checkbox"/>	Geophysical Exploration Permit	Application filed with DEQ at least 10 days prior to issue of permit. Application by letter. No standard application forms.	10 days N/A
<input type="checkbox"/>	State Lakes Construction Permit	Application fee based on structure size is charged. Must include descriptions & drawings of structure & proof of ownership of riparian property	15-20 days N/A
<input type="checkbox"/>	401 Water Quality Certification	Compliance with the T15A 02H .0500 Certifications are required whenever construction or operation of facilities will result in a discharge into navigable water as described in 33 CFR part 323.	60 days (130 days)
<input type="checkbox"/>	Compliance with Catawba, Goose Creek, Jordan Lake, Randleman, Tar Pamlico or Neuse Riparian Buffer Rules is required. Buffer requirements: http://deq.nc.gov/about/divisions/water-resources/water-resources-permits/wastewater-branch/401-wetlands-buffer-permits/401-riparian-buffer-protection-program		
<input type="checkbox"/>	Nutrient Offset: Loading requirements for nitrogen and phosphorus in the Neuse and Tar-Pamlico River basins, and in the Jordan and Falls Lake watersheds, as part of the nutrient-management strategies in these areas. DWR nutrient offset information: http://deq.nc.gov/about/divisions/water-resources/planning/nonpoint-source-management/nutrient-offset-information		
<input type="checkbox"/>	CAMA Permit for MAJOR development	\$250.00 - \$475.00 fee must accompany application	75 days (150 days)
<input type="checkbox"/>	CAMA Permit for MINOR development	\$100.00 fee must accompany application	22 days (25 days)
<input type="checkbox"/>	Abandonment of any wells, if required must be in accordance with Title 15A. Subchapter 2C.0100.		
<input checked="" type="checkbox"/>	Notification of the proper regional office is requested if "orphan" underground storage tanks (USTS) are discovered during any excavation operation.		
<input type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of a public water system must be approved by the Division of Water Resources/Public Water Supply Section prior to the award of a contract or the initiation of construction as per 15A NCAC 18C .0300 et. seq., Plans and specifications should be submitted to 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. All public water supply systems must comply with state and federal drinking water monitoring requirements. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	If existing water lines will be relocated during the construction, plans for the water line relocation must be submitted to the Division of Water Resources/Public Water Supply Section at 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of the _____ water system must be approved through the _____ delegated plan approval authority. Please contact them at _____ for further information.		

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Washington
 Project Number: 23-0252 Due Date: 07/17/2023
 County: Hyde

Other Comments (attach additional pages as necessary, being certain to comment authority)

Division	Initials	No comment	Comments	Date Review
DAQ		<input type="checkbox"/>		/ /
DWR-WQROS (Aquifer & Surface)	DRS &	<input checked="" type="checkbox"/>	No Comments &	6/21/2023
DWR-PWS	CWW	<input checked="" type="checkbox"/>	No Comments	6/26/2023
DEMLR (LQ & SW)	SD	<input type="checkbox"/>	E&SC not required	6/30/2023
DWM – UST	AJD	<input checked="" type="checkbox"/>	See attached comments	7/6/2023
Other Comments		<input type="checkbox"/>		/ /

REGIONAL OFFICES

Questions regarding these permits should be addressed to the Regional Office marked below.

- | | | |
|---|--|---|
| <input type="checkbox"/> Asheville Regional Office
2090 U.S. 70 Highway
Swannanoa, NC 28778-8211
Phone: 828-296-4500
Fax: 828-299-7043 | <input type="checkbox"/> Fayetteville Regional Office
225 Green Street, Suite 714,
Fayetteville, NC 28301-5043
Phone: 910-433-3300
Fax: 910-486-0707 | <input type="checkbox"/> Mooresville Regional Office
610 East Center Avenue, Suite 301,
Mooresville, NC 28115
Phone: 704-663-1699
Fax: 704-663-6040 |
| <input type="checkbox"/> Raleigh Regional Office
3800 Barrett Drive,
Raleigh, NC 27609
Phone: 919-791-4200
Fax: 919-571-4718 | <input checked="" type="checkbox"/> Washington Regional Office
943 Washington Square Mall,
Washington, NC 27889
Phone: 252-946-6481
Fax: 252-975-3716 | <input type="checkbox"/> Wilmington Regional Office
127 Cardinal Drive Ext.,
Wilmington, NC 28405
Phone: 910-796-7215
Fax: 910-350-2004 |
| | <input type="checkbox"/> Winston-Salem Regional Office
450 Hanes Mill Road, Suite 300,
Winston-Salem, NC 27105
Phone: 336-776-9800
Fax: 336-776-9797 | |

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director



TO: Lyn Hardison, Environmental Coordinator

FROM: A. Alfred J Discepolo, Hydrogeologist

THROUGH: Sylvia Newsom-Hunneke, Regional UST Supervisor

DATE: July 6, 2023

RE: Environmental Review – Project Number 23-0252– Project is for the proposed improvements of the gymnasium/auditorium, gym corridor and 1971 cafeteria of the Davis Ventures Community Center in Engelhard, Hyde County.

Review of the Petroleum Underground Storage Tank (UST), and Non-UST Databases does not indicate any petroleum releases within the proposed project area. I reviewed the above proposal and determined that this project should not have any adverse impact upon groundwater. The following comments are pertinent to my review:

1. The Washington Regional Office (WaRO) UST Section recommends removal of any abandoned or out-of-use petroleum USTs or petroleum above ground storage tanks (ASTs) within the project area. The UST Section should be contacted regarding use of any proposed or on-site petroleum USTs or ASTs. We may be reached at (252) 946-6481.
2. Any petroleum USTs or ASTs must be installed and maintained in accordance with applicable local, state, and federal regulations. For additional information on petroleum ASTs, it is advisable that the North Carolina Department of Insurance at (919) 661-5880 ext. 239, USEPA (404) 562-8761, local fire department, and Local Building Inspectors be contacted.
3. Any petroleum spills must be contained, and the area of impact must be properly restored. Petroleum spills of significant quantity must be reported to the North Carolina Department of Environmental Quality – Division of Waste Management Underground Storage Tank Section in the Washington Regional Office at (252) 946-6481
4. Any soils excavated during demolition or construction that show evidence of petroleum contamination, such as stained soil, odors, or free product must be reported immediately to the local Fire Marshall to determine whether explosive or inhalation hazards exist. Also, notify the UST Section of the Washington Regional Office at (252) 946-6481. Petroleum contaminated soils must be handled in accordance with all applicable regulations.
5. Any questions or concerns regarding spills from petroleum USTs, ASTs, or vehicles should be directed to the UST Section at (252) 946-6481.



North Carolina Department of Environmental Quality | Division of Waste Management | UST Section
Washington Regional Office | 943 Washington Square Mall | Washington, NC 27889 | (252) 946-6481



NORTH CAROLINA
Environmental Quality

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director

Date: June 22, 2023

To: Michael Scott, Director
Division of Waste Management

Through: Janet Macdonald
Inactive Hazardous Sites Branch

From: Katie C Tatum
Inactive Hazardous Sites Branch

Subject: NEPA Project # 23-0252 Hyde County/HUD, Hyde County, North Carolina

The Superfund Section has reviewed the proximity of sites under its jurisdiction to the Hyde County/HUD project. Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate, and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions.

No (0) Superfund Section sites and no (0) Brownfields Program Sites were identified within one mile of the project as shown on the attached report.

Please contact Janet Macdonald at 919.707.8349 if you have any questions concerning the Superfund Section review portion of this SEPA/NEPA inquiry.



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200



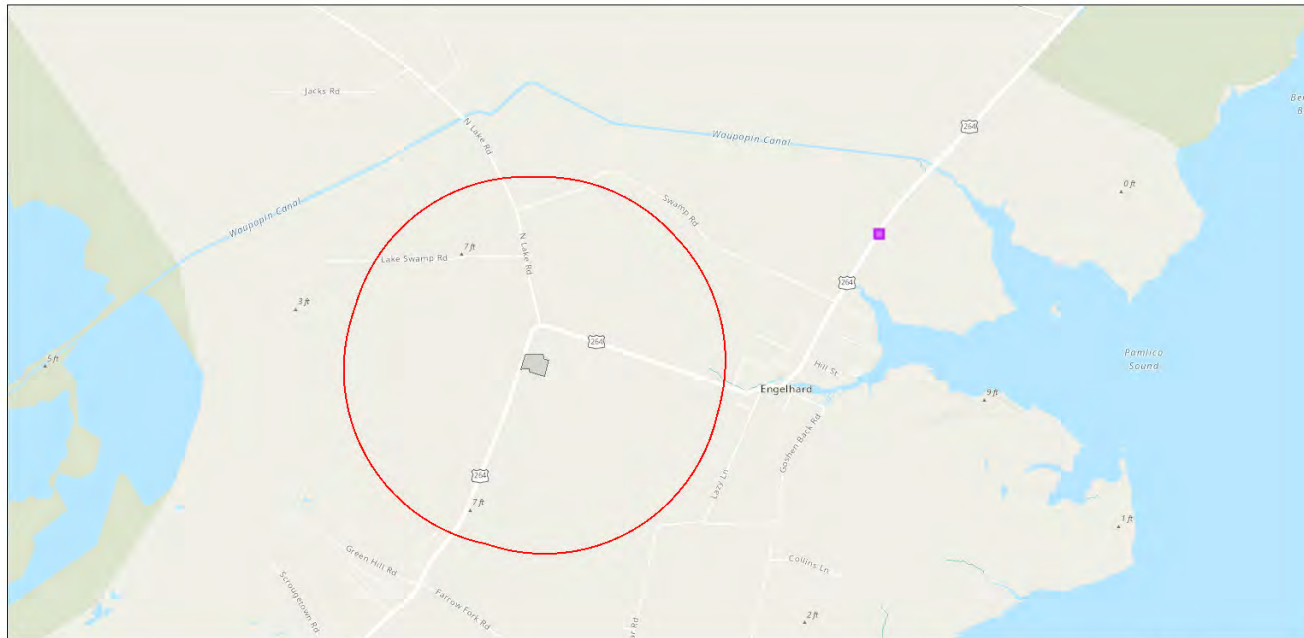
Superfund & Brownfield Sites SEPA/NEPA Review Report

Area of Interest (AOI) Information

Area : 2,321.84 acres

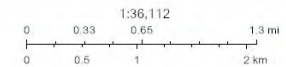
Jun 22 2023 10:43:39 Eastern Daylight Time

Hyde County NEPA project 23-0252



Pre Regulatory Landfill Sites

■ Activity Pending



Esri, NASA, NGA, USGS, FEMA, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA

Summary

Name	Count	Area(acres)	Length(mi)
Certified DSCA Sites	0	N/A	N/A
Federal Remediation Branch Sites	0	N/A	N/A
Inactive Hazardous Sites	0	N/A	N/A
Pre-Regulatory Landfill Sites	0	N/A	N/A
Brownfields Program Sites	0	N/A	N/A

Department of Environmental Quality Project Internal Review

Project Number: 23-0252

County: Hyde

Date Received: 6-20-2023

Due Date: 7-17-2023

Project Description: *Environmental Assessment - Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions.*

This Project is being reviewed as indicated below:

Regional Office	Regional Office Area	In-House Review	
<input type="checkbox"/> Asheville	<input checked="" type="checkbox"/> Air	<input type="checkbox"/> Air Quality	<input type="checkbox"/> Coastal Management
<input type="checkbox"/> Fayetteville	<input checked="" type="checkbox"/> DWR	<input checked="" type="checkbox"/> Waste Mgmt	<input type="checkbox"/> Marine Fisheries
<input type="checkbox"/> Mooresville	<input checked="" type="checkbox"/> DWR - Public Water	<input type="checkbox"/> Water Resources Mgmt (Public Water, Planning & Water Quality Program)	<input type="checkbox"/> CC & PS Div. of Emergency Mgmt
<input type="checkbox"/> Raleigh	<input checked="" type="checkbox"/> DEMLR (LQ & SW)	<input type="checkbox"/> DWR-Transportation Unit	<input type="checkbox"/> DMF-Shellfish Sanitation
<input checked="" type="checkbox"/> Washington	<input checked="" type="checkbox"/> DWM		<input checked="" type="checkbox"/> Wildlife <u>Maria</u>
<input type="checkbox"/> Wilmington			<input type="checkbox"/> Wildlife/DOT
<input type="checkbox"/> Winston Salem			

Manager Sign-Off/Region:	Date: 7-3-2023	In-House Reviewer/Agency: Maria NCNRC
--------------------------	--------------------------	---

Response (check all applicable)

No objection to project as proposed.
 No Comment

Insufficient information to complete review
 Other (specify or attach comments)



Roy Cooper
Governor

Pamela B. Cashwell
Secretary

July 24, 2023

Andrea Gievers
Hyde County
c/o NC Department of Public Safety
Office of Recovery and Resiliency
Durham, NC 27709-

Re: SCH File # 23-E-4600-0252 Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and rem

Dear Andrea Gievers:

The above referenced environmental impact information has been submitted to the State Clearinghouse under the provisions of the National Environmental Policy Act. According to G.S. 113A-10, when a state agency is required to prepare an environmental document under the provisions of federal law, the environmental document meets the provisions of the State Environmental Policy Act.

Attached to this letter are comments made by the agencies in the review of this document. If any further environmental review documents are prepared for this project, they should be forwarded to this office for intergovernmental review.

If you have any questions, please do not hesitate to contact me at (984) 236-0000.

Sincerely,

KADISHA MOLYNEAUX
State Environmental Review Clearinghouse

Attachments

Mailing
1301 Mail Service Center | Raleigh, NC 27699-1301



ncadmin.nc.gov

Location
116 West Jones St. | Raleigh NC 27603
984-236-0000 T

Control No.: 23-E-4600-0252

Date Received: 6/20/2023

County.: HYDE

Agency Response: 7/20/2023

Review Closed: 7/20/2023

LYN HARDISON
CLEARINGHOUSE COORDINATOR
DEPT OF ENVIRONMENTAL QUALITY

Project Information

Type: National Environmental Policy Act ironmental Assessment

Applicant: Hyde County

Project Desc.: Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions.

As a result of this review the following is submitted:

No Comment

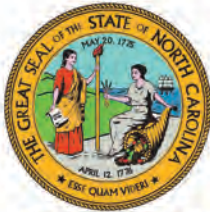
Comments Below

Documents Attached

Please review comments

Reviewed By: LYN HARDISON

Date: 7/24/2023



NORTH CAROLINA
Environmental Quality

ROY COOPER
Governor

ELIZABETH S. BISER
Secretary

To: Crystal Best
State Clearinghouse
NC Department of Administration

From: Lyn Biles
Division of Environmental Assistance and Customer Service
Washington Regional Office

Re: 23-0252
Environmental Assessment - Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate, and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions. Hyde County

Date: July 18, 2023

The Department of Environment Quality has reviewed the proposal for the referenced project. Based on the information provided, several of our agencies have identified permits that may be required and offered some valuable guidance. The comments are attached for the applicant's review.

The Department will continue to be available to assist the applicant with any questions or concerns.

Thank you for the opportunity to respond.

Attachments



North Carolina Department of Environmental Quality

217 West Jones Street | 1601 Mail Service Center | Raleigh, North Carolina 27699-1601

919.707.8600



NORTH CAROLINA
Environmental Quality

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director

July 12, 2023

To: Lyn Biles, Environmental Assistance and SEPA Coordinator
Division of Environmental Assistance and Customer Service

From: Melodi Deaver, Administrative Specialist
Division of Waste Management, Hazardous Waste Section

RE: NEPA Review, Project#23-0252, Hyde County/HUD (Hyde County)

The Hazardous Waste Section has reviewed the proposed project for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate, and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions and would like to make the following comment.

Any hazardous waste generated from the demolition, construction, operation, maintenance, and/or remediation (e.g. excavated soil) from the proposed project must be managed in accordance with the North Carolina Hazardous Waste Rules. The demolition, construction, operation, maintenance, and remediation activities conducted will most likely generate a solid waste, and a determination must be made whether it is a hazardous waste. If a project site generates more than 220 pounds of hazardous waste in a calendar month, the HWS must be notified, and the site must comply with the small quantity generator (SQG) requirements. If a project site generates more than 2200 pounds of hazardous waste in a calendar month, the HWS must be notified, and the facility must comply with the large quantity generator (LQG) requirements.

Generators are required to determine their generator status and both SQGs & LQGs are required to obtain a site EPA Identification number for the generation of hazardous waste.

Should any questions arise, please contact Melodi Deaver at 919-707-8204 or Heather Goldman at 919-270-2186.

Respectfully,

Melodi Deaver

Compliance Branch
Hazardous Waste Section



North Carolina Department of Environmental Quality | Division of Waste Management
Raleigh Regional Office | 3800 Barrett Drive | Raleigh, North Carolina 27609
919.791.4200

ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director



MEMORANDUM

TO: Michael Scott, Division Director through Sharon Brinkley

FROM: Amanda Thompson, Environmental Senior Specialist - Solid Waste Section

DATE: June 30, 2023

SUBJECT: Review: SW 23-0252 – Hyde County (EA – Hyde County/HUD – Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate, and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove/dispose of nonfunctional mechanical systems and remove/store kitchen equipment.)

The Division of Waste Management, Solid Waste Section (Section) has reviewed the documents submitted for the subject project in Hyde County, NC. Based on the information provided in this document, the Section at this time does not see an adverse impact on the surrounding communities and likewise knows of no situations in the communities, which would affect this project.

For any planned or proposed projects, it is recommended that during any land clearing, demolition, and construction, the Hyde county/HUD and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the development of this project where suitable. **Any waste generated by and of the project that cannot be beneficially reused or recycled as described, may require disposal of at a solid waste management facility permitted by the Division. The Section strongly recommends that the Hyde County/HUD require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.**

Permitted solid waste management facilities are listed on the Division of Waste Management, Solid Waste Section portal site at: <https://deq.nc.gov/about/divisions/waste-management/waste-management-rules-data/solid-waste-management-annual-reports/solid-waste-permitted-facility-list>

And the site locator tool at:

<https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebf49fc383f688>

Questions regarding solid waste management for this project should be directed to Mr. Ray Williams, Environmental Senior Specialist, Solid Waste Section, at (252) 948-3955.

cc: Ray Williams, Environmental Senior Specialist



North Carolina Department of Environmental Quality | Division of Waste Management
Fayetteville Regional Office | 225 Green Street, Suite 714 | Fayetteville, North Carolina 28301
910.433.3300

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Washington
 Project Number: 23-0252 Due Date: 07/17/2023
 County: Hyde

After review of this project, it has been determined that the DEQ permit(s) and/or approvals indicated may need to be obtained for this project to comply with North Carolina Law. Questions regarding these permits should be addressed to the Regional Office indicated on the reverse of the form. All applications, information and guidelines relative to these plans and permits are available from the same Regional Office.

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (Statutory time limit)
<input type="checkbox"/>	Permit to construct & operate wastewater treatment facilities, non-standard sewer system extensions & sewer systems that do not discharge into state surface waters.	Application 90 days before begins construction or award of construction contracts. On-site inspection may be required. Post-application technical conference usual.	30 days (90 days)
<input type="checkbox"/>	Permit to construct & operate, sewer extensions involving gravity sewers, pump stations and force mains discharging into a sewer collection system	Fast-Track Permitting program consists of the submittal of an application and an engineer's certification that the project meets all applicable State rules and Division Minimum Design Criteria.	30 days (N/A)
<input type="checkbox"/>	NPDES - permit to discharge into surface water and/or permit to operate and construct wastewater facilities discharging into state surface waters.	Application 180 days before begins activity. On-site inspection. Pre-application conference usual. Additionally, obtain permit to construct wastewater treatment facility granted after NPDES. Reply time, 30 days after receipt of plans or issue of NPDES permit-whichever is later.	90-120 days (N/A)
<input type="checkbox"/>	Water Use Permit	Pre-application technical conference usually necessary.	30 days (N/A)
<input type="checkbox"/>	Well Construction Permit	Complete application must be received, and permit issued prior to the installation of a groundwater monitoring well located on property not owned by the applicant, and for a large capacity (>100,000 gallons per day) water supply well.	7 days (15 days)
<input type="checkbox"/>	Dredge and Fill Permit	Application copy must be served on each adjacent riparian property owner. On-site inspection. Pre-application conference usual. Filling may require Easement to Fill from N.C. Department of Administration and Federal Dredge and Fill Permit.	55 days (90 days)
<input type="checkbox"/>	Permit to construct & operate Air Pollution Abatement facilities and/or Emission Sources as per 15 A NCAC (2Q.0100 thru 2Q.0300)	Application must be submitted, and permit received prior to construction and operation of the source. If a permit is required in an area without local zoning, then there are additional requirements and timelines (2Q.0113).	90 days
<input checked="" type="checkbox"/>	Any open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900	N/A	60 days (90 days)
<input checked="" type="checkbox"/>	Demolition or renovations of structures containing asbestos material must be in compliance with 15 A NCAC 20.1110 (a) (1) which requires notification and removal prior to demolition. Contact Asbestos Control Group 919-707-5950	Please Note - The Health Hazards Control Unit (HHCU) of the N.C. Department of Health and Human Services, must be notified of plans to demolish a building, including residences for commercial or industrial expansion, even if no asbestos is present in the building.	60 days (90 days)
<input checked="" type="checkbox"/>	The Sedimentation Pollution Control Act of 1973 must be properly addressed for any land disturbing activity. An erosion & sedimentation control plan will be required if one or more acres are to be disturbed. Plan must be filed with and approved by applicable Regional Office (Land Quality Section) at least 30 days before beginning activity. A NPDES Construction Stormwater permit (NCG010000) is also usually issued should design features meet minimum requirements. A fee of \$100 for the first acre or any part of an acre. An express review option is available with additional fees.		20 days (30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with NCDOT's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		(30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with _____ Local Government's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		Based on Local Program
<input type="checkbox"/>	Compliance with 15A NCAC 04B .0125 – Buffers Zones for Trout Waters shall have an undisturbed buffer zone 25 feet wide or of sufficient width to confine visible siltation within the twenty-five percent (25%) of the buffer zone nearest the land-disturbing activity, whichever is greater.		
<input type="checkbox"/>	Compliance with 15A NCAC 2H .0126 - NPDES Stormwater Program which regulates three types of activities: Industrial, Municipal Separate Storm Sewer System & Construction activities that disturb ≥1 acre.		30-60 days (90 days)
<input type="checkbox"/>	Compliance with 15A NCAC 2H 1000 -State Stormwater Permitting Programs regulate site development and post-construction stormwater runoff control. Areas subject to these permit programs include site all 20 coastal counties, and various other counties and watersheds throughout the state.		45 days (90 days)

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Washington
 Project Number: 23-0252 Due Date: 07/17/2023
 County: Hyde

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (Statutory time limit)
<input type="checkbox"/>	Mining Permit	On-site inspection usual. Surety bond filed with DEQ Bond amount varies with type mine and number of acres of affected land. Affected area greater than one acre must be permitted. The appropriate bond must be received before the permit can be issued.	30 days (60 days)
<input type="checkbox"/>	Dam Safety Permit	If permit required, application 60 days before begin construction. Applicant must hire N.C. qualified engineer to prepare plans, inspect construction, and certify construction is according to DEQ approved plans. May also require a permit under mosquito control program. And a 404 permit from Corps of Engineers. An inspection of site is necessary to verify Hazard Classification. A minimum fee of \$200.00 must accompany the application. An additional processing fee based on a percentage, or the total project cost will be required upon completion.	30 days (60 days)
<input type="checkbox"/>	Oil Refining Facilities	N/A	90-120 days (N/A)
<input type="checkbox"/>	Permit to drill exploratory oil or gas well	File surety bond of \$5,000 with DEQ running to State of NC conditional that any well opened by drill operator shall, upon abandonment, be plugged according to DEQ rules and regulations.	10 days N/A
<input type="checkbox"/>	Geophysical Exploration Permit	Application filed with DEQ at least 10 days prior to issue of permit. Application by letter. No standard application forms.	10 days N/A
<input type="checkbox"/>	State Lakes Construction Permit	Application fee based on structure size is charged. Must include descriptions & drawings of structure & proof of ownership of riparian property	15-20 days N/A
<input type="checkbox"/>	401 Water Quality Certification	Compliance with the T15A 02H .0500 Certifications are required whenever construction or operation of facilities will result in a discharge into navigable water as described in 33 CFR part 323.	60 days (130 days)
<input type="checkbox"/>	Compliance with Catawba, Goose Creek, Jordan Lake, Randleman, Tar Pamlico or Neuse Riparian Buffer Rules is required. Buffer requirements: http://deq.nc.gov/about/divisions/water-resources/water-resources-permits/wastewater-branch/401-wetlands-buffer-permits/401-riparian-buffer-protection-program		
<input type="checkbox"/>	Nutrient Offset: Loading requirements for nitrogen and phosphorus in the Neuse and Tar-Pamlico River basins, and in the Jordan and Falls Lake watersheds, as part of the nutrient-management strategies in these areas. DWR nutrient offset information: http://deq.nc.gov/about/divisions/water-resources/planning/nonpoint-source-management/nutrient-offset-information		
<input type="checkbox"/>	CAMA Permit for MAJOR development	\$250.00 - \$475.00 fee must accompany application	75 days (150 days)
<input type="checkbox"/>	CAMA Permit for MINOR development	\$100.00 fee must accompany application	22 days (25 days)
<input type="checkbox"/>	Abandonment of any wells, if required must be in accordance with Title 15A. Subchapter 2C.0100.		
<input checked="" type="checkbox"/>	Notification of the proper regional office is requested if "orphan" underground storage tanks (USTS) are discovered during any excavation operation.		
<input type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of a public water system must be approved by the Division of Water Resources/Public Water Supply Section prior to the award of a contract or the initiation of construction as per 15A NCAC 18C .0300 et. seq., Plans and specifications should be submitted to 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. All public water supply systems must comply with state and federal drinking water monitoring requirements. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	If existing water lines will be relocated during the construction, plans for the water line relocation must be submitted to the Division of Water Resources/Public Water Supply Section at 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of the _____ water system must be approved through the _____ delegated plan approval authority. Please contact them at _____ for further information.		

State of North Carolina Department of Environmental Quality
 INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Washington
 Project Number: 23-0252 Due Date: 07/17/2023
 County: Hyde

Other Comments (attach additional pages as necessary, being certain to comment authority)

Division	Initials	No comment	Comments	Date Review
DAQ		<input type="checkbox"/>		/ /
DWR-WQROS (Aquifer & Surface)	DRS &	<input checked="" type="checkbox"/>	No Comments &	6/21/2023
DWR-PWS	CWW	<input checked="" type="checkbox"/>	No Comments	6/26/2023
DEMLR (LQ & SW)	SD	<input type="checkbox"/>	E&SC not required	6/30/2023
DWM – UST	AJD	<input checked="" type="checkbox"/>	See attached comments	7/6/2023
Other Comments		<input type="checkbox"/>		/ /

REGIONAL OFFICES

Questions regarding these permits should be addressed to the Regional Office marked below.

- | | | |
|---|--|---|
| <input type="checkbox"/> Asheville Regional Office
2090 U.S. 70 Highway
Swannanoa, NC 28778-8211
Phone: 828-296-4500
Fax: 828-299-7043 | <input type="checkbox"/> Fayetteville Regional Office
225 Green Street, Suite 714,
Fayetteville, NC 28301-5043
Phone: 910-433-3300
Fax: 910-486-0707 | <input type="checkbox"/> Mooresville Regional Office
610 East Center Avenue, Suite 301,
Mooresville, NC 28115
Phone: 704-663-1699
Fax: 704-663-6040 |
| <input type="checkbox"/> Raleigh Regional Office
3800 Barrett Drive,
Raleigh, NC 27609
Phone: 919-791-4200
Fax: 919-571-4718 | <input checked="" type="checkbox"/> Washington Regional Office
943 Washington Square Mall,
Washington, NC 27889
Phone: 252-946-6481
Fax: 252-975-3716 | <input type="checkbox"/> Wilmington Regional Office
127 Cardinal Drive Ext.,
Wilmington, NC 28405
Phone: 910-796-7215
Fax: 910-350-2004 |
| | <input type="checkbox"/> Winston-Salem Regional Office
450 Hanes Mill Road, Suite 300,
Winston-Salem, NC 27105
Phone: 336-776-9800
Fax: 336-776-9797 | |

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director



TO: Lyn Hardison, Environmental Coordinator

FROM: A. Alfred J Discepolo, Hydrogeologist

THROUGH: Sylvia Newsom-Hunneke, Regional UST Supervisor

DATE: July 6, 2023

RE: Environmental Review – Project Number 23-0252– Project is for the proposed improvements of the gymnasium/auditorium, gym corridor and 1971 cafeteria of the Davis Ventures Community Center in Engelhard, Hyde County.

Review of the Petroleum Underground Storage Tank (UST), and Non-UST Databases does not indicate any petroleum releases within the proposed project area. I reviewed the above proposal and determined that this project should not have any adverse impact upon groundwater. The following comments are pertinent to my review:

1. The Washington Regional Office (WaRO) UST Section recommends removal of any abandoned or out-of-use petroleum USTs or petroleum above ground storage tanks (ASTs) within the project area. The UST Section should be contacted regarding use of any proposed or on-site petroleum USTs or ASTs. We may be reached at (252) 946-6481.
2. Any petroleum USTs or ASTs must be installed and maintained in accordance with applicable local, state, and federal regulations. For additional information on petroleum ASTs, it is advisable that the North Carolina Department of Insurance at (919) 661-5880 ext. 239, USEPA (404) 562-8761, local fire department, and Local Building Inspectors be contacted.
3. Any petroleum spills must be contained, and the area of impact must be properly restored. Petroleum spills of significant quantity must be reported to the North Carolina Department of Environmental Quality – Division of Waste Management Underground Storage Tank Section in the Washington Regional Office at (252) 946-6481
4. Any soils excavated during demolition or construction that show evidence of petroleum contamination, such as stained soil, odors, or free product must be reported immediately to the local Fire Marshall to determine whether explosive or inhalation hazards exist. Also, notify the UST Section of the Washington Regional Office at (252) 946-6481. Petroleum contaminated soils must be handled in accordance with all applicable regulations.
5. Any questions or concerns regarding spills from petroleum USTs, ASTs, or vehicles should be directed to the UST Section at (252) 946-6481.



North Carolina Department of Environmental Quality | Division of Waste Management | UST Section
Washington Regional Office | 943 Washington Square Mall | Washington, NC 27889 | (252) 946-6481



NORTH CAROLINA
Environmental Quality

ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director

Date: June 22, 2023

To: Michael Scott, Director
Division of Waste Management

Through: Janet Macdonald
Inactive Hazardous Sites Branch

From: Katie C Tatum
Inactive Hazardous Sites Branch

Subject: NEPA Project # 23-0252 Hyde County/HUD, Hyde County, North Carolina

The Superfund Section has reviewed the proximity of sites under its jurisdiction to the Hyde County/HUD project. Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate, and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions.

No (0) Superfund Section sites and no (0) Brownfields Program Sites were identified within one mile of the project as shown on the attached report.

Please contact Janet Macdonald at 919.707.8349 if you have any questions concerning the Superfund Section review portion of this SEPA/NEPA inquiry.



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200



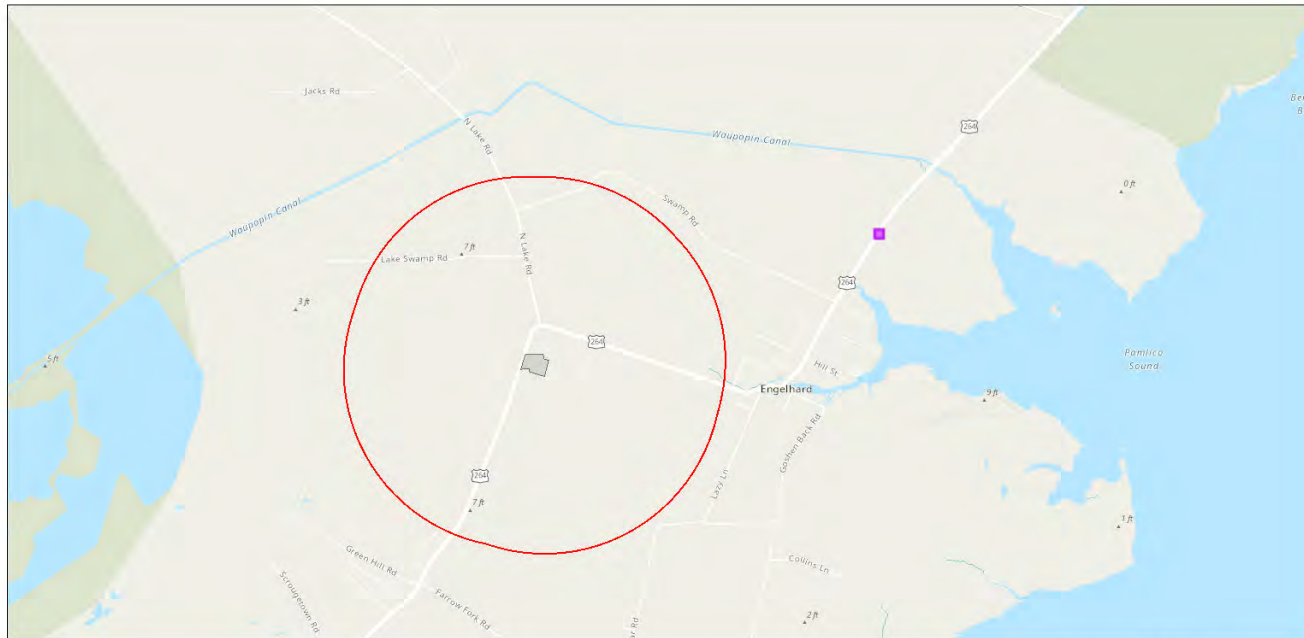
Superfund & Brownfield Sites SEPA/NEPA Review Report

Area of Interest (AOI) Information

Area : 2,321.84 acres

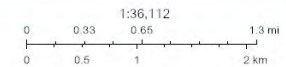
Jun 22 2023 10:43:39 Eastern Daylight Time

Hyde County NEPA project 23-0252



Pre Regulatory Landfill Sites

■ Activity Pending



Esri, NASA, NGA, USGS, FEMA, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA

Summary

Name	Count	Area(acres)	Length(mi)
Certified DSCA Sites	0	N/A	N/A
Federal Remediation Branch Sites	0	N/A	N/A
Inactive Hazardous Sites	0	N/A	N/A
Pre-Regulatory Landfill Sites	0	N/A	N/A
Brownfields Program Sites	0	N/A	N/A

Department of Environmental Quality Project Internal Review

Project Number: 23-0252

County: Hyde

Date Received: 6-20-2023

Due Date: 7-17-2023

Project Description: *Environmental Assessment - Proposed project is for the Davis Ventures Community Center improvements including replacement of the roof and windows; remediate, abate and repair or demolish and replace all hazardous materials, mold, and rotten and damaged materials; remove and dispose of nonfunctional mechanical systems, and remove and store kitchen equipment. All proposed project activities will occur only to the 1964 gymnasium/auditorium, gym corridor, and 1971 cafeteria additions.*

This Project is being reviewed as indicated below:

Regional Office	Regional Office Area	In-House Review	
<input type="checkbox"/> Asheville	<input checked="" type="checkbox"/> Air	<input type="checkbox"/> Air Quality	<input type="checkbox"/> Coastal Management
<input type="checkbox"/> Fayetteville	<input checked="" type="checkbox"/> DWR	<input checked="" type="checkbox"/> Waste Mgmt	<input type="checkbox"/> Marine Fisheries
<input type="checkbox"/> Mooresville	<input checked="" type="checkbox"/> DWR - Public Water	<input type="checkbox"/> Water Resources Mgmt (Public Water, Planning & Water Quality Program)	<input type="checkbox"/> CC & PS Div. of Emergency Mgmt
<input type="checkbox"/> Raleigh	<input checked="" type="checkbox"/> DEMLR (LQ & SW)	<input type="checkbox"/> DWR-Transportation Unit	<input type="checkbox"/> DMF-Shellfish Sanitation
<input checked="" type="checkbox"/> Washington	<input checked="" type="checkbox"/> DWM		<input checked="" type="checkbox"/> Wildlife <u>Maria</u>
<input type="checkbox"/> Wilmington			<input type="checkbox"/> Wildlife/DOT
<input type="checkbox"/> Winston Salem			

Manager Sign-Off/Region:	Date: <i>7-3-2023</i>	In-House Reviewer/Agency: <i>Maria NCNRC</i>
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Response (check all applicable)

No objection to project as proposed.
 No Comment

Insufficient information to complete review
 Other (specify or attach comments)

NOI-RROF Comments