Addendum

Project Number	*Client / Project Title*
LGA Project No. 21074	**A New School Facility: Horace Maynard Middle School**
Addendum Number	*Date*
Addendum 007	**Friday, June 21, 2024**

Addendum Compiled By

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Overview

To prime contractors and all others to whom drawings have been issued. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification. This addendum forms a part of the Contract Documents dated 3/15/2024.

Prior Addenda

ADD 001 stamped 31May2024
ADD 002 stamped 10June2024
ADD 003 stamped 14June2024
ADD 004 stamped 17June2024
ADD 005 stamped 19June 2024
ADD 006 stamped 20June 2024

This addendum supplements and modifies the Contract Documents as follows:

CHANGES TO THE PROJECT MANUAL

1. 00 01 10 – TABLE OF CONTENTS
   a. Updated to reflect new spec sections
2. 07 13 26 – SELF ADHERING WATERPROOFING
   a. New spec
3. 10 82 13 – ROOF EQUIPMENT SCREENS
   a. New spec
4. 12 35 83 – SPECIALTY CASEWORK
   a. New spec

CHANGES TO THE DRAWINGS

1. COVER SHEET
   a. Updated to indicate revised drawings
2. G1.11 – GENERAL INFORMATION
   a. Fire wall opening area shown for fire marshal
3. AS1.11 – OVERALL ARCHITECTURAL SITE PLAN
   a. Fencing / gates added
4. AS1.13 – ENLARGED SOUTH FIELD PLAN
   a. Fencing / gates added
5. A1.12 – SECOND FLOOR COMPOSITE PLAN
   a. Fire wall around boulevard highlighted for TN SFMO
6. A1.23 – SECOND FLOOR PLAN – AREA 'C'
   a. Fire wall around boulevard highlighted for TN SFMO
7. A1.31 – ENLARGED ROOM PLANS – AREAS A & B
   a. Fire wall around boulevard highlighted for TN SFMO
8. A1.32 – ENLARGED ROOM PLANS – AREA E
   a. 60 min fire rated overhead coiling door highlighted for TN SFMO
9. A4.11 – WALL SECTIONS – CLASSROOM WINGS
   a. Structurally independent fire wall detail added for TN SFMO
10. A8.11 – DOOR TYPES AND SCHEDULE
    a. 60 min fire rated overhead coiling door highlighted for TN SFMO
11. FP1.21 – FIRST FLOOR PLAN – AREA A – FIRE PROTECTION
    a. Note added for TN SFMO
12. FP1.22 – FIRST FLOOR PLAN – AREA B – FIRE PROTECTION
    a. Note added for TN SFMO
13. FP1.23 – SECOND FLOOR PLAN – AREA C – FIRE PROTECTION

a. Note added for TN SFMO

14. FP1.24 – SECOND FLOOR PLAN – AREA D – FIRE PROTECTION
    a. Note added for TN SFMO
15. FP1.25 – SECOND FLOOR PLAN – AREA E – FIRE PROTECTION
    a. Note added for TN SFMO
16. FP1.26 – SECOND FLOOR PLAN – AREA F – FIRE PROTECTOIN
    a. Note added for TN SFMO

ATTACHMENTS

(04) Specification Sections
(16) Drawing Sheets

END OF ADDENDUM / ATTACHMENTS FOLLOW

SECTION 00 01 10 - TABLE OF CONTENTS

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

DIVISION 01 - GENERAL REQUIREMENTS

DIVISION 21 - FIRE SUPPRESSION

DIVISION 22 - PLUMBING

DIVISION 23 - HEATING, VENTILATING AND AIR CONDITIONING (HVAC)

DIVISION 25 - INTEGRATED AUTOMATION

Not Used

DIVISION 26 – ELECTRICAL

END OF SECTION

SECTION 07 13 26 - SELF-ADHERING SHEET WATERPROOFING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
   1. Modified bituminous sheet waterproofing system.

B. Related Requirements:
   1. Division 07 Section "Expansion Control" for plaza- or foundation-wall expansion-joint assemblies that interface with waterproofing.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.
   1. Review waterproofing requirements including surface preparation, substrate condition and pretreatment, minimum curing period, forecasted weather conditions, special details and sheet flashings, installation procedures, testing and inspection procedures, and protection and repairs.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.
   1. Include construction details, material descriptions, and tested physical and performance properties of waterproofing.
   2. Include manufacturer's written instructions for evaluating, preparing, and treating substrate.

B. Shop Drawings: Show locations and extent of waterproofing and details of substrate joints and cracks, sheet flashings, penetrations, inside and outside corners, tie-ins with adjoining waterproofing, and other termination conditions.

C. Samples: For each exposed product and for each color and texture specified, including the following products:
   1. 8-by-8-inch (200-by-200-mm) square of waterproofing and flashing sheet.
   2. 8-by-8-inch (200-by-200-mm) square of insulation.
   3. 4-by-4-inch (100-by-100-mm) square of drainage panel.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer.

B. Field quality-control reports.

C. Sample Warranties: For special warranties.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by waterproofing manufacturer.

B. Mockups: Build mockups to verify selections made under Sample submittals and to set quality standards for installation.
   1. Build for each typical waterproofing installation including accessories to demonstrate surface preparation, crack and joint treatment, corner treatment, and protection.
      a. Size: 100 sq. ft. in area.
      b. Description: Each type of wall installation.
      c. Location to be determined in field by Architect.
   2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
   3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 FIELD CONDITIONS

A. Environmental Limitations: Apply waterproofing within the range of ambient and substrate temperatures recommended by waterproofing manufacturer. Do not apply waterproofing to a damp or wet substrate.
   1. Do not apply waterproofing in snow, rain, fog, or mist.

B. Maintain adequate ventilation during preparation and application of waterproofing materials.

1.8 WARRANTY

A. Manufacturer's Warranty: Manufacturer's standard materials-only warranty in which manufacturer agrees to furnish replacement waterproofing material for waterproofing that does not comply with requirements or that fails to remain watertight within specified warranty period.
   1. Warranty Period: Five years from date of Substantial Completion.

B. Installer's Special Warranty: Specified form, signed by Installer, covering Work of this Section, for warranty period of two (2) years.
   1. Warranty includes removing and reinstalling protection board, drainage panels, and insulation.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

A. Source Limitations for Waterproofing System: Obtain waterproofing materials and all other components from single source / single manufacturer for a complete waterproofing system.

2.2 MODIFIED BITUMINOUS SHEET WATERPROOFING

A. Modified Bituminous Sheet: Minimum 60-mil (1.5-mm) nominal thickness, self-adhering sheet consisting of 56 mils (1.4 mm) of rubberized asphalt laminated on one side to a 4-mil- (0.10-mm-) thick, polyethylene-film reinforcement, and with release liner on adhesive side.
   1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
      a. American Hydrotech, Inc.; VM75.
      b. Carlisle Coatings & Waterproofing Inc.; CCW MiraDRI 860/861.
      c. CETCO Building Materials Group, a subsidiary of AMCOL International Corp.; Envirosheet.
      d. Grace, W. R., & Co. - Conn.; Bituthene 3000/Low Temperature or Bituthene 4000.
      e. Henry Company; Blueskin WP 100/200.
      f. Meadows, W. R., Inc.; SealTight Mel-Rol.
      g. Nervastral, Inc.; BITU-MEM.
      h. Polyguard Products, Inc.; Polyguard 650.
      i. Protecto Wrap Company; PW 100/60.
      j. Tamko Building Products, Inc.; TW-60.
      k. York Manufacturing, Inc.; HydroGard.
   2. Physical Properties:
      a. Tensile Strength, Membrane: 250 psi (1.7 MPa) minimum; ASTM D 412, Die C, modified.
      b. Ultimate Elongation: 300 percent minimum; ASTM D 412, Die C, modified.
      c. Low-Temperature Flexibility: Pass at minus 20 deg F (minus 29 deg C); ASTM D 1970.
      d. Crack Cycling: Unaffected after 100 cycles of 1/8-inch (3-mm) movement; ASTM C 836.
      e. Puncture Resistance: 40 lbf (180 N) minimum; ASTM E 154.
      f. Water Absorption: 0.2 percent weight-gain maximum after 48-hour immersion at 70 deg F (21 deg C); ASTM D 570.
      g. Water Vapor Permeance: 0.05 perms (2.9 ng/Pa x s x sq. m) maximum; ASTM E 96/E 96M, Water Method.
      h. Hydrostatic-Head Resistance: 200 feet (60 m) minimum; ASTM D 5385.
   3. Sheet Strips: Self-adhering, rubberized-asphalt strips of same material and thickness as sheet waterproofing.

2.3 AUXILIARY MATERIALS

A. General: Furnish auxiliary materials recommended by waterproofing manufacturer for intended use and compatible with sheet waterproofing.
   1. Furnish liquid-type auxiliary materials that comply with VOC limits of authorities having jurisdiction.

B. Primer: Liquid primer recommended for substrate by sheet-waterproofing material manufacturer.

C. Surface Conditioner: Liquid, waterborne surface conditioner recommended for substrate by sheet-waterproofing material manufacturer.

D. Liquid Membrane: Elastomeric, two-component liquid, cold fluid applied, of trowel grade or low viscosity.

E. Substrate Patching Membrane: Low-viscosity, two-component, modified asphalt coating.

F. Metal Termination Bars: Aluminum bars, approximately 1 by 1/8 inch (25 by 3 mm) thick, predrilled at 9-inch (229-mm) centers.

G. Protection Course: ASTM D 6506, semirigid sheets of fiberglass or mineral-reinforced-asphaltic core, pressure laminated between two asphalt-saturated fibrous liners and as follows:
   1. Thickness: 1/4 inch (6 mm), nominal.
   2. Adhesive: Rubber-based solvent type recommended by waterproofing manufacturer for protection course type.

H. Protection Course: Fan folded, with a core of extruded-polystyrene board insulation faced on one side with plastic film, nominal thickness 1/4 inch (6 mm), with compressive strength of not less than 8 psi (55 kPa) per ASTM D 1621, and maximum water absorption by volume of 0.6 percent per ASTM C 272.

I. Protection Course: Extruded-polystyrene board insulation, unfaced, ASTM C 578, Type X, 1/2 inch (13 mm) thick.

J. Protection Course: Molded-polystyrene board insulation, ASTM C 578, Type I, 0.90-lb/cu. ft. (15-kg/cu. m) minimum density, 1-inch (25-mm) minimum thickness.

2.4 MOLDED-SHEET DRAINAGE PANELS

A. Molded-Sheet Drainage Panel: Comply with Division 33 Section "Subdrainage."

B. Nonwoven-Geotextile-Faced, Molded-Sheet Drainage Panel: Composite subsurface drainage panel consisting of a studded, nonbiodegradable, molded-plastic-sheet drainage core; with a nonwoven, needle-punched geotextile facing with an apparent opening size not exceeding No. 70 (0.21-mm) sieve laminated to one side of the core[and a polymeric film bonded to the other side]; and with a vertical flow rate of 9 to 15 gpm per ft. (112 to 188 L/min. per m).

1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
   a. American Hydrotech, Inc.; Hydrodrain 400 .
   b. Carlisle Coatings & Waterproofing Inc.; CCW MiraDRAIN 6000.
   c. Grace, W. R., & Co. - Conn.; Hydroduct 220.
   d. Protecto Wrap Company; Protecto Drain 2000-V.

C. Woven-Geotextile-Faced, Molded-Sheet Drainage Panel: Composite subsurface drainage panels consisting of a studded, nonbiodegradable, molded-plastic-sheet drainage core; with a woven-geotextile facing with an apparent opening size not exceeding No. 40 (0.425-mm) sieve laminated to one side of the core[and a polymeric film bonded to the other side]; and with a horizontal flow rate not less than 2.8 gpm per ft. (35 L/min. per m).

D. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
   a. American Hydrotech, Inc.; Hydrodrain 700.
   b. Carlisle Coatings & Waterproofing Inc.; CCW MiraDRAIN 9000.
   c. Grace, W. R., & Co. - Conn.; Hydroduct 225.
   d. Protecto Wrap Company; Protecto Drain 2000-H.

2.5 INSULATION

A. Insulation, General: Comply with Division 07 Section "Thermal Insulation."

B. Board Insulation: Extruded-polystyrene board insulation complying with ASTM C 578, square edged.
   1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
      a. DiversiFoam Products.
      b. Dow Chemical Company (The).
      c. Owens Corning Insulating Systems LLC.
      d. Pactiv Building Products.
      e. T. Clear Corporation, a subsidiary of Fin Pan Inc.
   2. Type IV, 25-psi (173-kPa) minimum compressive strength.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the waterproofing.
   1. Verify that concrete has cured and aged for minimum time period recommended in writing by waterproofing manufacturer.
   2. Verify that substrate is visibly dry and within the moisture limits recommended in writing by manufacturer. Test for capillary moisture by plastic sheet method according to ASTM D 4263.

3. Verify that compacted subgrade is dry, smooth, sound, and ready to receive waterproofing sheet.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 SURFACE PREPARATION

A. Clean, prepare, and treat substrates according to manufacturer's written instructions. Provide clean, dust-free, and dry substrates for waterproofing application.

B. Mask off adjoining surfaces not receiving waterproofing to prevent spillage and overspray affecting other construction.

C. Remove grease, oil, bitumen, form-release agents, paints, curing compounds, and other penetrating contaminants or film-forming coatings from concrete.

D. Remove fins, ridges, mortar, and other projections and fill honeycomb, aggregate pockets, holes, and other voids.

E. Prepare, fill, prime, and treat joints and cracks in substrates. Remove dust and dirt from joints and cracks according to ASTM D 4258.
1. Install sheet strips of width according to manufacturer's written instructions and center over treated construction and contraction joints and cracks exceeding a width of 1/16 inch.

F. Corners: Prepare, prime, and treat inside and outside corners according to ASTM D 6135.
1. Install membrane strips centered over vertical inside corners. Install 3/4-inch (19-mm) fillets of liquid membrane on horizontal inside corners and as follows:
a. At footing-to-wall intersections, extend liquid membrane in each direction from corner or install membrane strip centered over corner.

G. Prepare, treat, and seal vertical and horizontal surfaces at terminations and penetrations through waterproofing and at drains and protrusions according to ASTM D 6135.

3.3 MODIFIED BITUMINOUS SHEET-WATERPROOFING APPLICATION

A. Install modified bituminous sheets according to waterproofing manufacturer's written instructions and recommendations in ASTM D 6135.

B. Apply primer to substrates at required rate and allow it to dry. Limit priming to areas that will be covered by sheet waterproofing in same day. Reprime areas exposed for more than 24 hours.

C. Apply and firmly adhere sheets over area to receive waterproofing. Accurately align sheets and maintain uniform 2-1/2-inch minimum lap widths and end laps. Overlap and seal seams, and stagger end laps to ensure watertight installation.
1. When ambient and substrate temperatures range between 25 and 40 deg F (minus 4 and plus 5 deg C), install self-adhering, modified bituminous sheets produced for

low-temperature application. Do not use low-temperature sheets if ambient or substrate temperature is higher than 60 deg F (16 deg C).

D. Two-Ply Application: Install sheets to form a membrane with lap widths not less than 50 percent of sheet widths, to provide a minimum of two thicknesses of sheet membrane over areas to receive waterproofing.

E. Apply continuous sheets over already-installed sheet strips, bridging substrate cracks, construction, and contraction joints.

F. Seal edges of sheet-waterproofing terminations with mastic.

G. Install sheet-waterproofing and auxiliary materials to tie into adjacent waterproofing.
1. Repair tears, voids, and lapped seams in waterproofing not complying with requirements. Slit and flatten fishmouths and blisters. Patch with sheet waterproofing extending 6 inches (150 mm) beyond repaired areas in all directions.

H. Immediately install protection course with butted joints over waterproofing membrane.

3.4 MOLDED-SHEET DRAINAGE-PANEL INSTALLATION

A. Place and secure molded-sheet drainage panels, with geotextile facing away from wall or deck substrate, according to manufacturer's written instructions. Use adhesives or other methods that do not penetrate waterproofing. Lap edges and ends of geotextile to maintain continuity. Protect installed molded-sheet drainage panels during subsequent construction.
1. For vertical applications, install protection course before installing drainage panels.

3.5 INSULATION INSTALLATION

A. Install one or more layers of board insulation to achieve required thickness over waterproofed surfaces. Cut and fit to within 3/4 inch (19 mm) of projections and penetrations.

B. On vertical surfaces, set insulation units in adhesive or tape applied according to manufacturer's written instructions.

3.6 FIELD QUALITY CONTROL

A. Engage a site representative qualified by waterproofing membrane manufacturer to inspect substrate conditions, surface preparation, membrane application, flashings, protection, and drainage components, and to furnish daily reports to Architect.

B. Engage an independent testing agency to observe flood testing and examine underside of decks and terminations for evidence of leaks during flood testing.

C. Prepare test and inspection reports.

3.7 PROTECTION, REPAIR, AND CLEANING

A. Do not permit foot or vehicular traffic on unprotected membrane.

B. Protect waterproofing from damage and wear during remainder of construction period.

C. Protect installed board insulation from damage due to UV light, harmful weather exposures, physical abuse, and other causes. Provide temporary coverings where insulation is subject to abuse and cannot be concealed and protected by permanent construction immediately after installation.

D. Correct deficiencies in or remove waterproofing that does not comply with requirements; repair substrates, reapply waterproofing, and repair sheet flashings.

E. Clean spillage and soiling from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

END OF SECTION

SECTION 10 82 13 – ROOF EQUIPMENT SCREENS

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Stand-alone roof equipment screens and supporting steel framework. Screens shall be designed to attach to the roof structure and not the equipment being screened.

B. Roof screen accessories.

1.2 RELATED SECTIONS

A. Section 042000 - Masonry Anchorage and Reinforcement: Installation of anchors.

B. Section 051200 - Structural Steel: Metal Framing.

C. Section 053113 - Steel Floor Deck.

D. Section 055000 - Metal Fabrications: Frames and supports.

E. Section 077213 - Roof Curbs.

F. Section 099100 - Paints and Coatings: Field applied paint finish.

G. Division 23 - Roof Top HVAC Equipment.

1.3 REFERENCES

A. ASTM A 500 - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes.

B. ASTM A 513 - Standard Specification for Electric-Resistance-Welded Carbon and Alloy Steel Mechanical Tubing

C. ASTM A 653/A 653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

D. ASTM A 666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.

E. ASTM A 787 - Standard Specification for Electric-Resistance-Welded Metallic-Coated Carbon Steel Mechanical Tubing

F. ASTM A 1008 - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable.

G. ASTM A 1057 - Standard Specification for Steel, Structural Tubing, Cold Formed, Welded, Carbon, Zinc-Coated (Galvanized) by the Hot-Dip Process.

H. ASTM B 749 - Standard Specification for Lead and. Lead Alloy Strip, Sheet, and Plate Products.

I. ASTM D 4811 - Standard Specification for Nonvulcanized (Uncured) Rubber Sheet Used as Roof Flashing.

J. ASTM D 6878 - Standard Specification for Thermoplastic Polyolefin Based Sheet Roofing.

K. ASCE 7 - Minimum Design Loads for Buildings and Other Structures.

L. AWS A2.4 - Standard Symbols for Welding, Brazing, and Nondestructive Examination.

M. AWS D1.1 - Structural Welding Code - Steel.

N. AWS D1.6 - Structural Welding Code - Stainless Steel.

1.4 COORDINATION

A. Coordinate Work with other operations and installation of roofing materials to avoid damage to installed insulation and membrane materials.

1.5 ACTION SUBMITTALS

A. Submit under provisions of Section 013300.

B. Product Data: Manufacturer's data sheets on each product to be used, including:
1. Preparation instructions and recommendations.
2. Storage and handling requirements and recommendations.
3. Installation methods.

C. Shop Drawings: Layout and erection drawings showing typical cross sections and dimensioned locations of all frames and base supports. Include erection drawings, elevations, and details where applicable. Indicate welded connections using standard AWS A2.4 welding symbols. Indicate net weld lengths.

D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.

E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, shape, and patterns.

1.6 INFORMATIONAL SUBMITTALS

A. Design Calculations: 3 copies of structural design calculations for structural components and components resisting wind loads with seal and signature of professional engineer licensed in the State of Tennessee.

B. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

C. Welders Certificates: Certify welders employed on the Work, verifying AWS qualification within previous 12 months.

D. Warranties: 3 signed copies.

1.7 QUALITY ASSURANCE

A. Manufacturer Qualifications: Manufacturer with a minimum five years documented experience in producing pre-manufactured metal-framed equipment screens.

B. Design Qualifications: Provide structural design calculations stamped by a professional engineer licensed in the state in which this project is located.

C. Welders: AWS certified within previous 12 months.

D. Pre-Installation Meeting:
1. Convene at job site, at least seven calendar days prior to scheduled beginning of construction activities of this section, to review requirements of this section.
2. Require attendance by representatives of the installing subcontractor (who will represent the system manufacturer), the mechanical subcontractors and other entities affected by construction activities of this section.
3. Notify Architect four calendar days in advance of scheduled meeting date.

E. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
1. Locate in area designated by Architect.
2. Construct mock-up, one full screen section wide, including two roof supports.
3. Do not proceed with remaining work until workmanship, color, and location is approved by Architect.
4. Remove mock-up if required by Architect.
5. Accepted mock-up may remain in place.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to the project site clearly marked for proper identification.

B. Receive, handle and store materials in conformance with the manufacturers printed instructions.

C. Store products under cover, in manufacturer's unopened packaging until ready for installation.

D. Protect materials from exposure to moisture.

E. Store materials in a dry, warm, ventilated weathertight location.

F. Protect metal fabrications from damage by exposure to weather.

G. Handling: Use a forklift or crane to move material. Do not lift the bundles by the metal bands.
   1. Fork Lift: Spread the forks as far as possible to balance the load. Drive slowly when moving long bundles over uneven surfaces to avoid tipping the load
   2. Crane: Position the canvas sling straps so that the space between the straps is at least 1/3 the length of the bundle. Use sling straps with looped ends running one end of the strap through the loop at the other end to cinch the bundle when lifted. When setting the load on the roof, put wood blocks under it to protect the roof and allow space to remove the sling straps.
   3. Roof Placement: Spread the bundles and crates out as much as possible to avoid overloading the roof structure. Place the material directly over major supports such as beams or trusses.
   4. Position bundles of tubing parallel to the slope of the roof and block prior to opening to prevent the tubing from rolling down the roof slope when unbundled.

1.9 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

B. Field Measurements: Verify roof screen dimensions and conditions of the installation by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
   1. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating equipment enclosure without field measurements. Coordinate construction to ensure that actual dimensions correspond to established dimensions.

1.10 WARRANTY

A. Framing System: Provide manufacturer's standard written limited warranty stating that the complete framing system shall be warranted against structural failure due to cracking, buckling, bending, tearing or corrosion arising under normal use and environmental conditions for the coverage period applicable.

B. Products installed on projects located 2 miles or greater from salt or brackish bodies of water shall be warranted for twenty (20) years

C. Products installed on projects located greater than 1 mile but less than 2 miles from salt or brackish bodies of water will be warranted for five (5) years, except for aluminum, stainless steel or copper Products which will be warranted for twenty (20) years.

D. Products installed on projects located 1 mile or less from salt or brackish bodies of water will be warranted for three (3) years, except for aluminum, stainless steel or copper Products which will be warranted for twenty (20) years

E. Panel Finish:
   1. Provide written warranty stating that the paint finish applied on all equipment enclosure panels will be warranted against chipping, peeling, cracking, fading, or

blistering for the coverage period of up to twenty (20) years, see panel manufacturer warranty for coverage details.

2. Provide warranty signed by the panel manufacturer and paint finish applicator (if separate from manufacturer).

F. Louvers: Refer to Section 089100, Louvers

G. Decorative Metal Panels: Refer to Section 074210, Metal Wall Panels

H. The above warranties are in addition to, and not a limitation of, other rights the Owner may have under the Contract Documents.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Design Loads: Comply with Building Code for site location and building height.
1. Design to resist ASCE 7 - Minimum Design Loads for Buildings and Other Structures, using the latest published ASCE version.
2. Design all materials, assembly and attachments to resist snow, wind, suction and uplift loading at any point without damage or permanent set.

B. Structural Design: Prepare structural design calculations for screen framing and attachment to structure including reactions at base supports for verification of roof structure by Architect.

C. All welds to be performed by an AWS certified welder. Valid certification to be provided.

2.2 MANUFACTURERS

A. Acceptable Manufacturer: RoofScreen Mfg., which is located at: 347 Coral St.; Santa Cruz, CA 95060; Toll Free Tel: 866-766-3727; Tel: 831-421-9230; Fax: 866-253-0738; Email: request info (info@roofscreen.com); Web: www.roofscreen.com .

B.

C. Requests for substitutions will be considered in accordance with provisions of Section 01 63 00 Substitution Procedures.

2.3 MATERIALS

A. Square Base Supports: Weldments fabricated from cold rolled steel conforming to ASTM A 1008, fabricated with pre-punched holes in base plate for fastening to roof structure. After fabrication, apply minimum 2 to 4 mil baked on powder coat primer.
1.
2. Height 12 inches (305 mm).
3.

B. Square Base Support Extensions: Fabricated from same material and finish as base supports.
   1. Height 8 inches (203 mm).

C. Square Base Cap: Weldments fabricated from AISI Type 304 stainless steel with mill finish, and fabricated to overlap base support and flashing boot a minimum of 2 inches (51 mm). Provide moment resisting adjustable connection to attach framing to base cap.

D. Round Post Supports: 12 inch (305 mm) tall weldments fabricated from galvanized steel tube conforming to ASTM A 500 and cold rolled steel plate conforming to ASTM A36, fabricated with pre-punched holes in base plate for fastening to roof structure. After fabrication, apply minimum 2 to 4 mil shop primer to base plate and weld. Provide height adjustment with galvanized tube sleeve conforming to ASTM A 500, sized to telescope over outside of round post tube and fastened at desired height with self-drilling, self-tapping screws.

E. Round Post Cap: Weldments fabricated from AISI Type 304 stainless steel with mill finish fabricated to slip over 2-1/2" sleeve tube allowing adjustable height when used with Round Post Support.

F. Square Post Support: [insert height needed] (Max insulation thickness plus 12 inches) (305 mm) tall weldments fabricated from galvanized steel tube conforming to ASTM A 500 and cold rolled steel plate conforming to ASTM A36, fabricated with pre-punched holes in base plate for fastening to roof structure. After fabrication, apply minimum 2 to 4 mil shop primer to base plate and weld.

G. Square Post Cap: Saddle - ASTM 1008 CRS, 11ga. Hot-dip galvanized. Connective tube- ASTM A513, 14ga. Hot-dip galvanized. Fabricated to overlap base support and flashing boot a minimum of 2 inches (51 mm).

H. Square Galvanized Roof Flashing: Fabricated from galvanized sheet steel, 24 gauge, conforming to ASTM A 653/A 653M. Provide with galvanized sheet steel, 24 gauge (ASTM A 653/A 653M) base flange that extends a minimum of 4 inches (102 mm) onto the roof surface on all four sides. Riser shall be tapered to allow easy fit over Square Base Supports with minimal gap at top of flashing. Solder all seams for water tightness.

I. Roof Flashing: Refer to Division 07 section that specifies the roof membrane.

J. Base Cap Gasket: EPDM with self-adhesive closed cell foam.

K. Framing: Carbon or galvanized steel structural tubing in manufacturer’s standard sizes, conforming to ASTM A 500 and/or ASTM A787 with manufacturer’s standard galvanized coating conforming to ASTM A 1057. Provide with wall thickness as determined by structural calculations.

L. Connector Fittings: Fabricated from AISI Type 304 stainless steel with mill finish.

M. Steel Girts: Steel tube conforming to ASTM A 500 and/or A 787, with a G90 hot-dip galvanized coating.

N. Steel Hat Channel: Steel sheet conforming to ASTM A 653, Class SS, with a G90 hot-dip galvanized coating per ASTM A 1057.

O. Hardware: Bolts, nuts and washers: 18-8 stainless steel.

P. Self-Drilling Screws: Carbon steel with factory applied protective coating conforming to ASTM B 117 salt spray testing.

Q. Welding Materials: AWS D1.1; type required for materials being welded.

R. Panel:
1. Profile:
2. 7.2 Rib Panel.
3. 3 inch Deep Rib Panel.
4. Flush Panel.
5. R Panel.
6. U Panel.
7. 7/8 inch (22 mm) Corrugated.
8. Flush Textured Panel.
9. Base Metal:
10. Minimum 26 gauge Galvalume steel sheet, AZ50, conforming to ASTM A 792 for painted and unpainted panels.
11. Minimum 24 gauge Galvalume steel sheet, AZ50, conforming to ASTM A 792 for painted and unpainted panels.
12. Finish:
13. PVDF fluoropolymer, 1 mil, 2 coat, 70 percent.
14. Color as selected by Architect from manufacturer's standard color range.
15. Coat reverse side with off-white primer coat.
16. Panel Fasteners: No. 14 self-tapping sheet metal screw. Color coat heads to match panel color.
17. Panel Trim: Same material and finish as panel. Configuration as shown on Drawings

2.4 FABRICATION

A. Fit and shop assemble items in largest practical sections, for delivery to site.

B. Fabricate items with joints tightly fitted and secured.

C. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.

D. Supply components required for anchorage of fabrications. Fabricate anchors and related components of same material and finish as fabrication, except where specifically noted otherwise.

E. Fabricate system components so that portions of screen can be dismantled for repairs to equipment being screened and for future roof replacement.

F. Trim and Closures: Fabricated from 24 gauge metal and finished with the manufacturer's standard coating system.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine area where work will be installed to verify the installation can be performed in accordance with the Drawings and structural calculation requirements without interference from other equipment or trades.

B. If preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

C. Do not begin installation until conditions have been properly prepared.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install components plumb and level, accurately fitted, free from distortion or defects.

C. Provide for erection loads, and for sufficient temporary bracing to maintain indicated alignment until completion of erection and installation of permanent attachments.

D. Anchor fabrications to structure as indicated.

E. Separate dissimilar metals and use gasketed fasteners, isolation shim, or isolation tape to eliminate possibility of corrosive or electrolytic action between metals.

F. Exercise care when installing components so as not to damage finish surfaces. Touch up as required to repair damaged finishes.

G. Install flashing boots at base supports as required to provide a watertight connection. Install as recommended by the roof membrane manufacturer.

H. Remove all protective masking from material immediately after installation.

3.4 CLEANING AND PROTECTION

A. Remove all protective masking from framing and trim material immediately after installation. Remove temporary protective coverings and strippable films, if any, as metal

wall panels are installed, unless otherwise indicated in manufacturer's written installation instructions. Maintain in a clean condition during construction.

B. Protect installed products until completion of project.
   1. Ensure that finishes and structure of installed systems are not damaged by subsequent construction activities.
   2. If minor damage to finishes occurs, repair damage in accordance with manufacturer's recommendations; provide replacement components if repaired finishes are unacceptable to Architect.

C. Prior to Substantial Completion: Remove dust or other foreign matter from component surfaces; clean finishes in accordance with manufacturer's instructions.

D. Replace metal wall panels and framing members that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION

SECTION 12 35 83 - SPECIALTY CASEWORK

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Musical instrument storage casework.

B. Music library system.

1.2 RELATED SECTIONS

A. Section 01 35 00 - Special Procedures.

B. Section 01 60 00 - Product Requirements.

C. Section 09 21 16.23 - Gypsum Board Shaft Wall Assemblies.

D. Section 09 65 13 - Resilient Base and Accessories.

E. Section 12 32 16 - Manufactured Plastic-Laminate-Clad Casework.

1.3 REFERENCES

A. American National Standards Institute (ANSI):
   1. ANSI A208.1 - Particleboard.

B. American Society of Civil Engineers (ASCE):
   1. ASCE 7 - Minimum Design Loads for Buildings and Other Structures.

C. ASTM International (ASTM):
   1. ASTM C 423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
   2. ASTM C 1503 - Specification for Silvered Flat Glass Mirror.
   3. ASTM E 488 - Standard Test Methods for Strength of Anchors in Concrete and Masonry Elements.
   4. ASTM E 795 - Standard Practices for Mounting Test Specimens During Sound Absorption Tests.

D. Audio Engineering Society (AES):
   1. AES-4id - AES information document for room acoustics and sound reinforcement systems -- Characterization and measurement of surface scattering uniformity.

E. Builders Hardware Manufacturers Association (BHMA):
   1. ANSI/BHMA A156.9 - Cabinet Hardware.

F. GREENGUARD Environmental Institute (GEI):

1. GREENGUARD certified low emitting products.

G. International Electrotechnical Commission (IEC)
1. Requirements for listing and labeling of products.

H. National Electrical Manufacturers Association (NEMA):
1. NEMA LD 3 - High Pressure Decorative Laminates.

I. National Fire Protection Association (NFPA):
1. NFPA 70 - National Electrical Code (NEC).

J. Underwriters' Laboratories, Inc. (UL) and Underwriters' Laboratories of Canada (ULC):
1. Requirements for listing and labeling of products.

K. US Green Building Council (USGBC):
1. Leadership in Energy and Environmental Design (LEED) Green Building Rating System.

L. U.S. Department of Commerce, National Institute of Standards and Technology (NIST):
1. DOC PS 1 - U.S. Product Standard for Construction and Industrial Plywood.

M. California Air Resources Board (CARB).

N. California 93120 - Formaldehyde Emissions Phase I.

1.4 SUBMITTALS

A. Product Data: Manufacturer's data sheets, installation instructions, and maintenance recommendations.

B. Shop Drawings: Prepared by manufacturer. Include elevations showing casework components, details of each condition of installation, and types and locations of hardware and fasteners. Show fabrication and installation details. Include plans, elevations, sections, details, and attachments to other Work.
1. Indicate seismic bracing and fastening requirements.

C. Samples: For each color and finish for each exposed casework component.

D. Operation and Maintenance Data.

E. Warranty: Submit sample meeting warranty requirements of this Section.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Approved manufacturer listed in this section, with minimum 5 years experience in manufacture of similar products in use in similar environments.

B. Obtain music education casework through one source from a single approved manufacturer.

C. Electrical Components: Listed and labeled per NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver, store, and handle casework in accordance with manufacturer's recommendations. Ship to jobsite only after roughing-in, painting work, and other related finish work has been completed and installation areas are ready to accept casework and recommended temperature and humidity levels will be maintained during the remainder of construction.

1.7 COORDINATION

A. Coordinate installation of blocking and supports in frame wall assemblies under work of other sections where required for anchoring casework.

1.8 WARRANTY

A. Special Warranty: Manufacturer's written warranty indicating manufacturer's intent to repair or replace components of music education storage casework that fail in materials or workmanship within 10 years from date of Substantial Completion. Failures are defined to include, but are not limited to, the following:
   1. Fracturing or breaking of casework components including doors, panels, shelves, or hardware resulting from normal wear and tear and normal use other than vandalism.
   2. Delamination or other failures of glue bond of components.
   3. Warping of casework components not resulting from leaks, flooding, or other uncontrolled moisture or humidity.
   4. Failure of operating hardware.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Wenger Corporation, including all Wenger, J.R. Clancy and GearBoss product brands. Wenger Corporation, which is located at: 555 Park Dr.; Owatonna, MN 55060; Toll Free Tel: 800-4WENGER (493-6437); Tel: (507) 455-4100; Fax: (507) 455-4258; Email: request info (info@wengercorp.com); Wenger Corporation - Syracuse, which is located at 7041 Interstate Island Road, Syracuse, NY 13209; Toll Free Tel: 800-836-1885; Tel: (315) 451-3440; Email: request info (JRCinfo@wengercorp.com); Web: https://www.wengercorp.com

B. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

1. Approval of Comparable Products: Submit the following in accordance with project substitution requirements, within time period allowed for substitution review:
    a. Product data, including certified independent test data indicating compliance with requirements for acoustical performance.
    b. Samples of each type of product specified, including but not limited to the following:
        1) Door and casework panels.
        2) Grille doors.
        3) Hinges with through-bolting hardware.
        4) Latches with through-bolting hardware.
    c. Project references: minimum of 5 installations not less than 5 years old, with owner contact information.
    d. List of successful installations of similar products available for evaluation by Architect.
    e. Sample warranty.
2. Approved manufacturers shall meet separate requirements of Submittals.

2.2 MATERIALS

A. Materials Meeting Sustainable Design Requirements:
1. No Added Urea Formaldehyde Products: Provide music education storage casework made with composite products and adhesives with no urea formaldehyde added.
2. FSC Certified Wood Products: Provide music education storage casework made with wood from certified sources. Also available in Moisture Resistant, Class 1 Fire rated and Plywood cores.

B. Particleboard: ANSI A208.1, minimum 43 lb/cu. ft. (689 kg/cu. m) density, composite products and adhesives, with no urea formaldehyde added.

C. Fire Rated Particle Board: ANSI A208.1, minimum 45 lb/cu. ft. (720 kg/cu. m) density ASTM E-84 class 1.

D. Plywood: APA standards PS1-98 section 5.7.4 or 5.7.1 or ANSI /HPVA HP-1-2004 Panel provide with HDF skins to prevent grain telegraphing.

E. Particleboard Thermoset Panels: Particleboard finished with thermally-fused polyester surfacing on both sides meeting performance properties of NEMA LD 3 for VGS grade, edge-banded, including the following:
1. Surface Abrasion Resistance: Taber Wheel, 400 cycles, for solid colors.

F. Particleboard Thermoset Panels: Particleboard panel with no formaldehyde added 3/4 inch (19 mm) thick finished with thermally-fused polyester surfacing on both sides meeting performance requirements of NEMA LD 3 for VGS grade, edge-banded, including the following:
1. Surface Abrasion Resistance: Taber Wheel, 400 cycles, for solid colors.

G. Polyethylene Shelves: High-density, one-piece, blow-molded or polyethylene, with radiused front edge, for abuse-resistant shelves. Same color throughout will not show scratches.

H. PVC Edge Banding: Radiused PVC extrusions, 1/8 inch (3 mm) thick.

2.3 MUSICAL INSTRUMENT STORAGE CASEWORK

A. Basis of Design: UltraStor Storage Cabinets as manufactured by Wenger Corporation. Modular instrument storage casework with integral bases, adjustable levelers, and through-bolted fastening, enabling owner reconfiguration of unit layout.
   1. Acoustically enhanced instrument storage casework finished with interior lining of sound-absorbent material providing sound absorption and noise reduction properties.
   2. Sound Absorption Average: Minimum SAA of 0.80, based upon sound absorption coefficient for twelve one-third octave bands from 200 to 2500 Hz, inclusive, with a minimum Noise Reduction Coefficient (NRC) of 0.75, per ASTM C 423 and ASTM E 795.
   3. Acoustical Performance: Comply with manufacturer's published sound absorption data.
   4. Wave grille doors in 5/16 inch (24 mm) and 1/4 inch (6.4 mm) diameter designed to reduce vibration.
   5. Adjustable shelf system integrated into cabinet walls allowing shelf placement at increments common to musical instruments. No loose parts or tools required. Shelf system to include a latch to prevent unintended shelf movement.

B. Seismic Performance: Comply with ASCE 7, "Minimum Design Loads for Buildings and Other Structures": Section 9, "Earthquake Loads" based upon seismic design criteria indicated.

C. Storage Casework Component Load Capacities:
   1. Storage Casework Wire-Grille Door Hinge: Each weld capable of resisting 400 lbf (1779 N) pull test without visible damage or permanent deformation.
   2. Storage Casework Full Grille Door Hinge= Full length door capable of supporting 315 lbs (143 kg). Through open and close cycle without permanent damage.
   3. Robe and Uniform Storage Casework Garment Hanger Rods: Capable of supporting vertical load applied uniformly along width of unit of 200 lbf (890 N).

D. Robe and uniform storage casework with integral bases, adjustable levelers, and through-bolted fastening, enabling owner reconfiguration of unit layout.

E. General: Provide through-ventilating instrument storage casework meeting requirements in System Description and Performance Requirements Articles.

F. Side Panels and Divider Panels: Particleboard thermoset panel with no urea formaldehyde added, 3/4 inch (19 mm) thick. Side panels machined to accept unit-to-unit through-bolting.

G. Grille Doors: Bright basic steel wire, 5/16 and 3/16 inch (7.9 and 4.8 mm) diameter, or 5/16 and 1/4 inch (7.9 and 6.3 mm) diameter for AcoustiCabinets, with full 360 degree welds at T-joints.
   1. Provide for instrument storage casework.
   2. Provide for robe and uniform storage casework.
   3. Provide for casework indicated.

H. Panel Doors: Particleboard thermoset panel with no urea formaldehyde added, 3/4 inch (19 mm) thick.
   1. Color: As selected by Architect from Manufacturer's standard colors.
   2. Door Grille: Provide for instrument storage casework, full height.
   3. Door Grille: Provide for instrument storage casework, compartment height.
   4. Door Grille: Provide for Robe and Uniform Storage Casework.
   5. Door Grille: Provide for casework indicated.

I. Open Casework: Provide casework without doors.
   1. Provide for robe and uniform storage casework.
   2. Provide for casework indicated.

J. Panel Edge Banding: 3 mm thick, heat-bonded, with radiused and profiled edges and corners.

K. Shelving: Sized with adequate gap between shelving and casework side panels to allow air movement inside casework.
   1. Up to 27 inches (686 mm) wide: Removable molded polyethylene shelf, with impact-resistant, radiused front edge, mounted to cabinet wall with self-locking clip.
   2. Over 27 inches (686 mm) wide: For large instrument casework: Removable formed polyethylene shelf, ribbed, with high-impact-resistant, radiused front edge, supported by steel tube frame.
   3. Tubular steel supports are included for shelves over 19 inches (483 mm) wide.
   4. Corner cabinet revolving shelving: 0.053 inch (1.3 mm) min. thickness steel sheet bolted to revolving steel center post, with radiused hardboard deflector panel.

L. Casework Panel Color: As selected by Architect from manufacturer's standard colors.

M. Filler Panels and Closure: 3/4 inch (19 mm) thick particleboard thermoset panels with no urea formaldehyde in Oyster color. Provide the following, cut to fit field conditions, where indicated:
   1. Wall filler between cabinet side and wall.
   2. Top filler between cabinet top and wall.
   3. Top of cabinet closure panel between cabinet and finished ceiling or soffits.
   4. Finished back panel for exposed cabinet backs.

N. Butt Hinges: 2-3/4 inches (70 mm), 5-knuckle steel hinges made from 0.090 inch (2.29 mm) thick metal, ANSI/BHMA A156.9, Grade 1, with powder-coated finish, through-bolted to door and side panels and welded to grille door frames. Provide 2 hinges on compartment doors, and 4 hinges on full-height doors.

O. Slide Latch: 0.105 inch (2.67 mm) min. thickness steel, with padlock eye, powder-coat finish, through-bolted to panel door and side panel and welded to grille door frames. Latches securely without padlock. Provide with clear plastic label holder for use with standard size labels; number system available for user to print. Padlocks furnished by Owner.

P. Panel Connectors: 1/4-20 by 1.77 inch (45 mm) panel connectors, with steel thread inserts, powder coated to match panels.

Q. Cabinet Levelers: Leveling glides with 3/8 inch (9.5 mm) diameter threaded steel rod in steel corner brackets, minimum two each per cabinet side, accessible from within unit, and concealed in completed installation.

R. Carcass joinery includes lag screws powder coated to match substrate.

S. Back panel 7/32 inch (5.6 mm) reinforced with 3/4 inch (19 mm) stretchers panels held in a dado groove and lag screwed in place.

T. Fasteners: Manufacturer-recommended fasteners as required for casework substrate and project performance requirements, consisting of one or more of the following:
1. Sheet Metal Screws: SAE J78, corrosion-resistant-coated, self-drilling, self-tapping steel drill screws.
2. Wood Screws: ASME B18.6.1.
3. Expansion Anchors in Concrete and Concrete Masonry Units: Carbon-steel, zinc plated.
4. Hardware supplied to anchor the cabinets to the wall and to adjacent casework

U. Finish: Steel Sheet, Steel Wire, and Exposed Fasteners. Urethane-based electrostatic powder coating, color as indicated. Refer to Drawings.

2.4 MUSIC LIBRARY SYSTEM

A. Basis of Design: Music Library System as manufactured by Wenger Corporation.
1. Standard Width 7-Shelf Unit: 173G700 S, 16 inches (41 cm) wide; 12 inches x 34-1/2 inches x 10-1/2 inches (30 x 88 x 27 cm) of shelf space available; 4 shelves adjustable, 3 shelves fixed.
2. Oversized Width 7-Shelf Unit: 173G700 O, 19 inches (48 cm) wide; 15 inches x 34-1/2 inches x 10-1/2 inches (38 x 88 x 27 cm) of shelf space available; 4 shelves adjustable, 3 shelves fixed.
3. Standard Width 6-Shelf Unit: 173G600 S, 16 inches (41 cm) wide; 12 inches x 34-1/2 inches x 10-1/2 inches (30 x 88 x 27 cm) of shelf space available; 4 shelves adjustable, 2 shelves fixed.
4. Oversized Width 6-Shelf Unit: 173G600 O; 19 inches (48 cm) wide; 15 inches x 34-1/2 inches x 10-1/2 inches (38 x 88 x 27 cm) of shelf space available; 4 shelves adjustable, 2 shelves fixed.

B. Design and Construction:
1. Pull-out design, equally spaced shelves provide 10-1/2 inches (27 cm) of available height per shelf.
2. Units are constructed of 3/4 inch (19 mm) thick industrial grade composite wood with no added formaldehyde and polyester laminate finish in Wenger standard colors.
3. Shelves are reinforced with an aluminum extrusion that includes a slot with vinyl material for labeling with dry-erase markers.
4. Frame is 16-gauge, 1 inch (2.54 cm) square tubular steel, painted black.
5. Back panel is designed to fit on either side of unit for left or right hand use.
6. Includes four 8 inch (20 cm) diameter casters.
7. Each unit contains bumpers for control of side and outward movement.
8. Unit requires anchoring to floor and wall.

9. Each shelf rated at 100 lbs. (45 kg) maximum capacity.
10. Ten-year warranty.
11. Top closure, constructed particleboard that matches the end covers, supports up to 50 lb/lin.ft. (74 kg/m) loading.
12. Oblique file system accessory on standard 12 inch (30 cm) shelf widths.
13. Lock option (padlocks not included).

C. Substrate and Loading: Verify substrate is concrete or epoxy coated concrete; not recommended for installation on padded carpet or vinyl flooring.
1. Floor point load for a 7-shelf unit at rated load is 800 psi (5516 kpa) per caster.
2. Floor point load for a 6-shelf unit at rated load is 700 psi (4826 kpa) per caster.

D. Sustainability: GREENGUARD Indoor Air Quality Certified and GREENGUARD Children & Schools Certified.

2.5 METAL SHELVING SYSTEMS

A. GearBoss Metal Shelving Systems, Shelf Starter Bay, Shelf Add-On Bay, and Shelves by Wenger Corporation: Cantilever-type modular metal storage shelving system comprised of the following components:
1. Structural Performance:
f. Allowable Load Rating: 1000 lb. (373 kg) per 4 by 8-foot (1219 by 2438-mm) bay.
g. Load-Carrying Capacity per 48 inch (1219 mm) Shelf: 250 lb. (113 kg).
2. Shelf Unit Uprights: Steel tube, metallic-coated, 2-inch (50.8 mm) square, 0.109-inch (2.76 mm) thick, with perforations on all four sides at 1 inch (25 mm) on center.
3. Horizontal Stringer: Formed sheet steel, metallic-coated, 0.075-inch (1.9-mm) thick.
4. Shelf Cross Tubes: 14 gauge steel tube, metallic-coated, 5/8-inch (22-mm) square.
5. Shelf Brackets: Formed steel, 0.015-inch (0.38-mm) thick.
6. Laminate-Clad Wood Panels: Core material and thickness indicated, finished with thermally-fused anti-microbial polyester surfacing on both sides.
7. Unit Width: 48 inch (1219 mm) center-to-center unless otherwise indicated.
8. Unit Height: 96 inches (2438 mm).
9. Unit Height: As indicated on the Drawings.
10. Shelves can be adjusted in 1 inch (25 mm) increment without tools.

B. Metal Shelving Materials:
1. Aluminum Extruded Bars, Profiles, and Tubes: ASTM B221.
2. Sheet Steel: Cold-rolled, ASTM A1008, commercial steel, type B.
3. Steel Tube: ASTM A501, hot-formed steel tubing.
4. Steel Wire: ASTM C510, cold drawn steel wire.
5. Particleboard: To ANSI A208.1, minimum 43 lb/cu. ft. (689 kg/cu. m) density.
h. Provide fire retardant treated type.
6. Plywood: APA standards PS1-98 section 5.7.4 or 5.7.1 or ANSI /HPVA HP-1-2004 Panel provide with HDF skins to prevent grain telegraphing.
7. Steel Tube: ASTM A500, cold-formed steel tubing.
8. Laminate Finish: Composite, of thickness indicated, finished with thermally-fused anti-microbial polyester surfacing on both sides, meeting performance properties

of NEMA LD3 for VGS grade, with heat bonded, radiused, 3 mm thick extruded PVC edge banding.

i. Surface Abrasion Resistance: Taber Wheel, 400 cycles, for solid colors.

9. PVC Edge Banding: LMA EDG-1, radiused PVC extrusions, 3 mm thick, heat-bonded.
10. Anchors and Fasteners:
    j. Factory Provided: Material, type, and size recommended by manufacturer for secure anchorage to substrate.
    k. Field Installed: Manufacturer-recommended fasteners furnished by Contractor as required for locker substrate and project requirements.

C. Metal Shelving Fabrication:
1. Fabricate components square, and rigid. Make exposed metal safe to touch and free of sharp ends or burrs.
2. Form frames, panels, doors, and accessories from one-piece, or one rigid assembly, unless specifically shown on Shop Drawings.
3. Factory preassemble metal components by welding all joints, and connections; with no bolts, nuts, screws, or rivets used in assembly, except as required for knock down shipping and attachment to mounting surfaces.

D. Metal Shelving Accessories:
1. Shelf Depth: 17.5 inches (444 mm) with 2 cross tubes.
2. Shelf Depth: 30.5 inches (775 mm) with 4 cross tubes.
3. Lock Box: Steel sides and bottom, polished aluminum front, key-tab lock, hinged door panel lockable with a key.
4. Work Surface: Particleboard laminate-clad panel with graphite high wear laminate with black edge band, 1-1/8-inch (28.6-mm) thick, inserted into 30-1/2 inch (775 mm) cantilever shelf bracket over cross tubes. Quantity of work surfaces as indicated on Drawings.
5. Cantilevered Shelf: Steel tube and bracket, with aluminum extrusion nosing, mill finish unless otherwise indicated.
6. Hinged Panel Doors: Laminate clad panel door 5/8-inch (15.9 mm) thick.
7. Garment Hanger: Steel round tube mounts underneath shelf; powder-coat finish, black. Quantity of garment bars as indicated on Drawings.
8. Drawer: Pull-out utility drawer mounted under work surface.

E. Metal Shelving Finishes: Manufacturer's standard finish, color as selected by Architect from manufacturer's standard colors.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine casework installation areas for compliance with requirements for installation tolerances, location of blocking and other anchoring reinforcements, and other existing conditions affecting installation and performance of casework. Proceed with casework installation upon correction of unsatisfactory conditions.

3.2 CASEWORK INSTALLATION

A. Install plumb, level, and true; using integral levelers. Install in accordance with manufacturer's recommendations and approved submittals.
   1. Install seismic bracing and fastening in accordance with approved shop drawings.

B. Install hardware uniformly and precisely. Set hinges snug and flat. Adjust and align hardware so moving parts operate freely and contact points meet accurately. Allow for final adjustment after installation.

C. Adjust casework and hardware so doors and drawers operate smoothly without warp or bind and close with uniform reveals.

D. Metal Shelving Requirements:
   1. Anchor uprights to walls using anchors of type, size, and spacing recommended by manufacturer.
   2. Install shelves in each unit.
   3. Erect cantilever adjustable uprights to substrate with a maximum tolerance from vertical of 1/4 inch (6 mm).
   4. Adjust metal shelving so connectors and other components engage accurately and securely. Verify modular components fit easily into alternate locations without force or use of tools.

3.3 CLEANING AND PROTECTING

A. Repair or replace defective work as directed by Architect upon inspection.

B. Clean casework surfaces. Touch up, refinish, or replace damaged components in a manner acceptable to Architect.

C. Turn over operation and maintenance instructions to Owner.

END OF SECTION

THE LEWIS GROUP ARCHITECTS, INC.

Knoxville & Cleveland, Tennessee

A NEW FACILITY FOR:

UNION COUNTY PUBLIC SCHOOLS HORACE MAYNARD MIDDLE SCHOOL

CONSULTANTS:

LAND DEVELOPMENT SOLUTIONS
CIVIL ENGINEER

HAINES STRUCTURAL GROUP
STRUCTURAL ENGINEER

ENGINEERING SERVICES GROUP, INC.
MECHANICAL ENGINEER

VREELAND ENGINEERS, INC.
ELECTRICAL ENGINEER

DENNIS FORD FOOD CONSULTANT SERVICES
FOOD SERVICE CONSULTANT

INDEX OF DRAWINGS

CIVIL SHEETS RESUBMITTED W/ NEW STAMP 4/26/24

Sheet Number	Sheet Name	Sheet Issue Date	Current Revision Date	Current Revision Description
-	COVER	03/15/2024	06/21/2024	ADD 007
1				
G1.11	GENERAL INFORMATION	03/15/2024	06/21/2024	ADD 007
G1.21	FIRST FLOOR LIFE SAFETY PLAN AND NOTES	03/15/2024	04/26/2024	R1-SFMO RD 1
G1.22	SECOND FLOOR LIFE SAFETY PLAN AND NOTES	03/15/2024	06/20/2024	ADD 006
G1.31	UL DESIGN ASSEMBLIES	03/15/2024		
G1.32	UL DESIGN ASSEMBLIES	03/15/2024		
5				
C001	SITE SURVEY	03/15/2024	04/26/2024	R1-SFMO RD 1
C101	SITE LAYOUT PLAN	03/15/2024	06/17/2024	ADD 004
C102	SITE LAYOUT PLAN (ALTERNATES)	03/15/2024	06/17/2024	ADD 004
C103	ROAD IMPROVEMENTS LAYOUT PLAN	06/10/2024		
C104	STRIPING AND SIGNAGE PLAN	06/10/2024		
C201	SITE GRADING PLAN	03/15/2024	04/26/2024	R1-SFMO RD 1
C202	SITE GRADING PLAN (ALTERNATES)	03/15/2024	04/26/2024	R1-SFMO RD 1
C203	ROAD IMPROVEMENT GRADING PLAN	06/10/2024		
C301	INITIAL EROSION CONTROL PLAN	03/15/2024	04/26/2024	R1-SFMO RD 1
C302	INTERMEDIATE EROSION CONTROL PLAN	03/15/2024	04/26/2024	R1-SFMO RD 1
C303	FINAL EROSION CONTROL PLAN	03/15/2024	04/26/2024	R1-SFMO RD 1
C304	SWPPP	03/15/2024	04/26/2024	R1-SFMO RD 1
C305	EROSION CONTROL DETAILS	03/15/2024	04/26/2024	R1-SFMO RD 1
C306	EROSION CONTROL DETAILS	03/15/2024	04/26/2024	R1-SFMO RD 1
C307	EROSION CONTROL DETAILS	03/15/2024	04/26/2024	R1-SFMO RD 1
C401	SITE UTILITY PLAN	03/15/2024	04/26/2024	R1-SFMO RD 1
C501	SITE DETAILS	03/15/2024	06/17/2024	ADD 004
C502	SITE DETAILS	03/15/2024	04/26/2024	R1-SFMO RD 1
C503	SITE DETAILS	03/15/2024	04/26/2024	R1-SFMO RD 1
19				
AS1.11	OVERALL ARCHITECTURAL SITE PLAN	03/15/2024	06/21/2024	ADD 007
AS1.12	ENLARGED CAFETERIA & COURTYARD PLANS & DETAILS	03/15/2024		
AS1.13	ENLARGED SOUTH FIELD PLAN	03/15/2024	06/21/2024	ADD 007
AS1.14	ENLARGED NORTH FIELD PLANS	03/15/2024		
AS1.15	ANCILLARY STRUCTURE AND ATHLETIC FIELD DETAILS	03/15/2024		
AS1.21	SOUTH CANOPY PLANS & ELEVATIONS	03/15/2024	06/14/2024	ADD 003
AS1.22	SOUTH CANOPY DETAILS	03/15/2024	06/14/2024	ADD 003
AS1.23	NORTH CANOPY PLANS, ELEVATIONS, AND DETAILS	03/15/2024		
AS1.24	LOADING PLAN & ELEVATIONS	03/15/2024		
AS1.25	LOADING AREA DETAILS	03/15/2024		
10				
A1.11	FIRST FLOOR COMPOSITE PLAN	03/15/2024	04/26/2024	R1-SFMO RD 1
A1.12	SECOND FLOOR COMPOSITE PLAN	03/15/2024	06/21/2024	ADD 007
A1.21	FIRST FLOOR PLAN - AREA 'A'	03/15/2024	04/26/2024	R1-SFMO RD 1
A1.22	FIRST FLOOR PLAN - AREA 'B'	03/15/2024	04/26/2024	R1-SFMO RD 1
A1.23	SECOND FLOOR PLAN - AREA 'C'	03/15/2024	06/21/2024	ADD 007
A1.24	SECOND FLOOR PLAN - AREA 'D'	03/15/2024	06/20/2024	ADD 006
A1.25	SECOND FLOOR PLAN - AREA 'E'	03/15/2024	05/31/2024	ADD 001
A1.26	SECOND FLOOR PLAN - AREA 'F'	03/15/2024	04/26/2024	R1-SFMO RD 1
A1.31	ENLARGED ROOM PLANS - AREAS 'A' & 'B'	03/15/2024	06/21/2024	ADD 007
A1.32	ENLARGED ROOM PLANS - AREA 'E'	03/15/2024	06/21/2024	ADD 007
A1.33	ENLARGED ROOM PLANS - AREA 'F'	03/15/2024	06/20/2024	ADD 006
A1.34	ENLARGED BLVD PLAN	03/15/2024		
A1.41	PLAN DETAILS	03/15/2024	04/26/2024	R1-SFMO RD 1
A1.51	STAIR PLANS AND DETAILS - STAIRS A & B	03/15/2024	05/20/2024	R2
A1.52	STAIR PLANS AND DETAILS - STAIR C	03/15/2024	05/20/2024	R2
A1.53	STAIR PLANS AND DETAILS - STAIR D	03/15/2024	05/31/2024	ADD 001
A1.54	STAIR AND ELEVATOR PLANS AND DETAILS	03/15/2024	05/31/2024	ADD 001
A1.61	GYMNASIUM STRIPING PLAN	03/15/2024	04/26/2024	R1-SFMO RD 1
A1.71	INTERIOR PARTITION TYPES	03/15/2024		
A2.11	BUILDING ELEVATIONS - SOUTH	03/15/2024	06/14/2024	ADD 003
A2.12	BUILDING ELEVATIONS - NORTH	03/15/2024	06/14/2024	ADD 003
A2.13	BUILDING ELEVATIONS - EAST & WEST	03/15/2024	06/19/2024	ADD 005
A2.14	BUILDING ELEVATIONS - HIDDEN	03/15/2024	06/14/2024	ADD 003
A2.21	BUILDING ELEVATIONS - ENLARGED	03/15/2024	06/19/2024	ADD 005
A3.11	BUILDING SECTIONS	03/15/2024	05/31/2024	ADD 001
A4.11	WALL SECTIONS - CLASSROOM WINGS	03/15/2024	06/21/2024	ADD 007
A4.12	WALL SECTIONS	03/15/2024	06/14/2024	ADD 003
A4.13	WALL SECTIONS - MAIN ENTRIES	03/15/2024		
A4.14	WALL SECTIONS	03/15/2024		
A4.15	WALL SECTIONS - ADMINISTRATION	03/15/2024	06/14/2024	ADD 003
A4.16	WALL SECTIONS - ADMINISTRATION	03/15/2024	06/14/2024	ADD 003
A4.17	WALL SECTIONS - CAFETERIA	03/15/2024		
A4.18	WALL SECTIONS - GYMNASIUM	03/15/2024		
A4.19	WALL SECTIONS - RETAINING	03/15/2024		
A5.11	ROOF PLAN AND NOTES	03/15/2024		
A5.21	ROOF DETAILS	03/15/2024	06/14/2024	ADD 003
A6.11	FIRST FLOOR REFLECTED CEILING PLAN	03/15/2024	05/20/2024	R2
A6.12	SECOND FLOOR REFLECTED CEILING PLAN	03/15/2024	06/14/2024	ADD 003
A6.21	FIRST FLOOR REFLECTED CEILING PLAN - AREA 'A'	03/15/2024	05/20/2024	R2
A6.22	FIRST FLOOR REFLECTED CEILING PLAN - AREA 'B'	03/15/2024	05/20/2024	R2
A6.23	SECOND FLOOR REFLECTED CEILING PLAN - AREA 'C'	03/15/2024	05/20/2024	R2
A6.24	SECOND FLOOR REFLECTED CEILING PLAN - AREA 'D'	03/15/2024	06/20/2024	ADD 006
A6.25	SECOND FLOOR REFLECTED CEILING PLAN - AREA 'E'	03/15/2024	05/20/2024	R2
A6.26	SECOND FLOOR REFLECTED CEILING PLAN - AREA 'F'	03/15/2024	05/20/2024	R2
A6.31	CEILING DETAILS	03/15/2024	05/31/2024	ADD 001
A7.11	INTERIOR ELEVATIONS AND TYPICAL MOUNTING HEIGHTS	03/15/2024	04/26/2024	R1-SFMO RD 1
A7.12	INTERIOR ELEVATIONS	03/15/2024		
A7.13	INTERIOR ELEVATIONS - AREA 'A'	03/15/2024		
A7.14	INTERIOR ELEVATIONS	03/15/2024	05/20/2024	R2
A7.15	INTERIOR ELEVATIONS	03/15/2024		
A7.16	INTERIOR ELEVATIONS	03/15/2024	06/20/2024	ADD 006
A7.17	INTERIOR ELEVATIONS - GYM	03/15/2024		
A7.18	INTERIOR ELEVATIONS - GYM	03/15/2024	05/31/2024	ADD 001
A7.19	INTERIOR ELEVATIONS - GYM	03/15/2024		
A7.20	INTERIOR ELEVATIONS	03/15/2024		
A7.21	INTERIOR ELEVATIONS - BAND	03/15/2024		
A7.22	INTERIOR ELEVATIONS - BLVD	03/15/2024	05/31/2024	ADD 001
A7.31	MILLWORK DETAILS	03/15/2024		
A7.32	MILLWORK DETAILS	03/15/2024		
A7.33	MILLWORK DETAILS	03/15/2024		
A8.11	DOOR TYPES AND SCHEDULE	03/15/2024	06/21/2024	ADD 007
A8.12	GLAZING ELEVATIONS	03/15/2024	06/20/2024	ADD 006
A8.13	GLAZING ELEVATIONS	03/15/2024	05/31/2024	ADD 001
A8.21	HEAD, JAMB, AND SILL DETAILS	03/15/2024	06/14/2024	ADD 003
A8.22	HEAD, JAMB, AND SILL DETAILS	03/15/2024		
A9.11	FINISH NOTES AND DETAILS	03/15/2024		
A9.12	ROOM FINISH SCHEDULES	03/15/2024	06/20/2024	ADD 006
A9.21	FINISH FLOOR PLAN - AREA 'A'	03/15/2024	04/26/2024	R1-SFMO RD 1
A9.22	FINISH FLOOR PLAN - AREA 'B'	03/15/2024	05/20/2024	R2
A9.23	FINISH FLOOR PLAN - AREA 'C'	03/15/2024	04/26/2024	R1-SFMO RD 1
A9.24	FINISH FLOOR PLAN - AREA 'D'	03/15/2024	06/20/2024	ADD 006
A9.25	FINISH FLOOR PLAN - AREA 'E'	03/15/2024		
A9.26	FINISH FLOOR PLAN - AREA 'F'	03/15/2024	05/20/2024	R2

STRUCTURAL SHEETS REISSUED W/ STAMP 5/31/24

Sheet Number	Sheet Name	Sheet Issue Date	Current Revision Date	Current Revision Description
74				
S0.01	ABBREVIATIONS, SYMBOLS AND LEGENDS	03/15/2024		
S0.02	STRUCTURAL GENERAL NOTES	03/15/2024		
S0.03	STRUCTURAL GENERAL NOTES	03/15/2024		
S0.04	SPECIAL INSPECTIONS	03/15/2024		
S0.05	TYPICAL CONCRETE DETAILS	03/15/2024		
S0.06	TYPICAL MASONRY & STEEL DETAILS	03/15/2024		
S0.07	TYPICAL STEEL DETAILS	03/15/2024	06/19/2024	ADD 005
S0.08	TYPICAL STEEL DETAILS	03/15/2024		
S0.09	TYPICAL LIGHT GAUGE DETAILS	03/15/2024		
S0.11	TYPICAL STEEL JOIST LOADING DETAILS	05/31/2024	06/19/2024	ADD 005
S1.01	OVERALL FOUNDATION PLAN	03/15/2024		
S1.02	OVERALL FLOOR FRAMING PLAN	03/15/2024		
S1.03	OVERALL ROOF FRAMING PLAN	03/15/2024		
S1.10	FOUNDATION PLAN - AREA 'A'	03/15/2024		
S1.11	FOUNDATION PLAN - AREA 'C'	03/15/2024		
S1.12	ROOF FRAMING PLAN - AREA 'C'	03/15/2024		
S1.20	FOUNDATION PLAN - AREA 'B'	03/15/2024		
S1.21	FLOOR FRAMING PLAN - AREA 'D'	03/15/2024		
S1.22	ROOF FRAMING PLAN - AREA 'D'	03/15/2024	04/26/2024	R1-SFMO RD 1
S1.30	FLOOR FRAMING PLAN - AREA 'E'	03/15/2024	06/19/2024	ADD 005
S1.31	ROOF FRAMING PLAN - AREA 'E'	03/15/2024	06/19/2024	ADD 005
S1.40	FOUNDATION PLAN - AREA 'F'	03/15/2024	04/26/2024	R1-SFMO RD 1
S1.41	ROOF FRAMING PLAN - AREA 'F'	03/15/2024	04/26/2024	R1-SFMO RD 1
S1.51	ENLARGED NORTH CANOPY PLANS	03/15/2024		
S1.52	ENLARGED SOUTH ENTRANCE PLANS	03/15/2024		
S2.01	SECTIONS & DETAILS	03/15/2024	04/26/2024	R1-SFMO RD 1
S2.02	SECTIONS & DETAILS	03/15/2024		
S2.10	SECTIONS & DETAILS	03/15/2024		
S2.11	SECTIONS & DETAILS	03/15/2024	04/26/2024	R1-SFMO RD 1
S2.12	SECTIONS & DETAILS	03/15/2024		
S2.20	SECTIONS & DETAILS	03/15/2024	04/26/2024	R1-SFMO RD 1
S2.21	SECTIONS & DETAILS	03/15/2024		
S2.22	SECTIONS & DETAILS	03/15/2024	04/26/2024	R1-SFMO RD 1
S2.23	SECTIONS & DETAILS	03/15/2024		
S2.24	SECTIONS & DETAILS	05/31/2024	06/19/2024	ADD 005
S2.25	SECTIONS & DETAILS	03/15/2024		
36				
P0.21	FIRST FLOOR PLAN - AREA A - UNDERGROUND	03/15/2024		
P0.22	FIRST FLOOR PLAN - AREA B - UNDERGROUND	03/15/2024		
P1.21	FIRST FLOOR PLAN - AREA 'A' - WASTE AND VENT	03/15/2024		
P1.22	FIRST FLOOR PLAN - AREA 'B' - WASTE AND VENT	03/15/2024		
P1.23	SECOND FLOOR PLAN - AREA 'C' - WASTE AND VENT	03/15/2024		
P1.24	SECOND FLOOR PLAN - AREA 'D' - WASTE AND VENT	03/15/2024		
P1.25	SECOND FLOOR PLAN - AREA 'E' - WASTE AND VENT	03/15/2024		
P1.26	SECOND FLOOR PLAN - AREA 'F' - WASTE AND VENT	03/15/2024		
P2.21	FIRST FLOOR PLAN - AREA 'A' - SERVICES	03/15/2024		
P2.22	FIRST FLOOR PLAN - AREA 'B' - SERVICES	03/15/2024		
P2.23	SECOND FLOOR PLAN - AREA 'C' - SERVICES	03/15/2024		
P2.24	SECOND FLOOR PLAN - AREA 'D' - SERVICES	03/15/2024		
P2.25	SECOND FLOOR PLAN - AREA 'E' - SERVICES	03/15/2024		
P2.26	SECOND FLOOR PLAN - AREA 'F' - SERVICES	03/15/2024		
P2.27	OVERALL ROOF PLAN - SERVICES	03/15/2024		
P3.01	ENLARGED KITCHEN FLOOR PLAN - UNDERGROUND	03/15/2024		
P3.02	ENLARGED KITCHEN FLOOR PLAN - WASTE AND VENT	03/15/2024		
P3.03	ENLARGED KITCHEN FLOOR PLAN - SERVICES	03/15/2024		
P4.01	PLUMBING FIXTURES	03/15/2024		
P4.02	PLUMBING DETAILS	03/15/2024		
P4.03	PLUMBING RISER DIAGRAMS	03/15/2024		
21				
M1.21	FIRST FLOOR PLAN - AREA 'A' - HVAC	03/15/2024	04/26/2024	R1-SFMO RD 1
M1.22	FIRST FLOOR PLAN - AREA 'B' - HVAC	03/15/2024	04/26/2024	R1-SFMO RD 1
M1.23	SECOND FLOOR PLAN - AREA 'C' - HVAC	03/15/2024	04/26/2024	R1-SFMO RD 1
M1.24	SECOND FLOOR PLAN - AREA 'D' - HVAC	03/15/2024	04/26/2024	R1-SFMO RD 1
M1.25	SECOND FLOOR PLAN - AREA 'E' - HVAC	03/15/2024	04/26/2024	R1-SFMO RD 1
M1.26	SECOND FLOOR PLAN - AREA 'F' - HVAC	03/15/2024	04/26/2024	R1-SFMO RD 1
M2.01	ROOF PLAN - HVAC	03/15/2024		
M3.01	ENLARGED KITCHEN PLAN - HVAC	03/15/2024	04/26/2024	R1-SFMO RD 1
M3.02	KITCHEN SCHEDULES & DETAILS	03/15/2024		
M4.01	SCHEDULES - HVAC	03/15/2024		
M4.02	DETAILS - HVAC	03/15/2024		
11				
SE1.10	OVERALL SITE PLAN - ELECTRICAL	05/31/2024		
SE1.11	PARTIAL SITE PLAN - ALT #1 - ELECTRICAL	05/31/2024		
SE1.12	PARTIAL SITE PLAN - ALT #2 - ELECTRICAL	05/31/2024		
SE1.13	PARTIAL PLAN - SOFTBALL FIELD - ALT #2 - ELECTRICAL	05/31/2024		
4				
E1.11	FIRST FLOOR PLAN - AREA 'A' - LIGHTING	03/15/2024	04/26/2024	R1-SFMO RD 1
E1.12	FIRST FLOOR PLAN - AREA 'B' - LIGHTING	03/15/2024	04/26/2024	R1-SFMO RD 1
E1.13	SECOND FLOOR PLAN - AREA 'C' - LIGHTING	03/15/2024	04/26/2024	R1-SFMO RD 1
E1.14	SECOND FLOOR PLAN - AREA 'D' - LIGHTING	03/15/2024	04/26/2024	R1-SFMO RD 1
E1.15	SECOND FLOOR PLAN - AREA 'E' - LIGHTING	03/15/2024	04/26/2024	R1-SFMO RD 1
E1.16	SECOND FLOOR PLAN - AREA 'F' - LIGHTING	03/15/2024	04/26/2024	R1-SFMO RD 1
E2.11	FIRST FLOOR PLAN - AREA 'A' - POWER	03/15/2024	04/26/2024	R1-SFMO RD 1
E2.12	FIRST FLOOR PLAN - AREA 'B' - POWER	03/15/2024	04/26/2024	R1-SFMO RD 1
E2.13	SECOND FLOOR PLAN - AREA 'C' - POWER	03/15/2024		
E2.14	SECOND FLOOR PLAN - AREA 'D' - POWER	03/15/2024	04/26/2024	R1-SFMO RD 1
E2.15	SECOND FLOOR PLAN - AREA 'E' - POWER	03/15/2024	04/26/2024	R1-SFMO RD 1
E2.16	SECOND FLOOR PLAN - AREA 'F' - POWER	03/15/2024		
E3.11	FIRST FLOOR PLAN - AREA 'A' - COMMUNICATIONS	03/15/2024		
E3.12	FIRST FLOOR PLAN - AREA 'B' - COMMUNICATIONS	03/15/2024		
E3.13	SECOND FLOOR PLAN - AREA 'C' - COMMUNICATIONS	03/15/2024		
E3.14	SECOND FLOOR PLAN - AREA 'D' - COMMUNICATIONS	03/15/2024		
E3.15	SECOND FLOOR PLAN - AREA 'E' - COMMUNICATIONS	03/15/2024		
E3.16	SECOND FLOOR PLAN - AREA 'F' - COMMUNICATIONS	03/15/2024		
E4.11	FIRST FLOOR PLAN - AREA 'A' - FIRE ALARM AND HVAC WIRING	03/15/2024	04/26/2024	R1-SFMO RD 1
E4.12	FIRST FLOOR PLAN - AREA 'B' - FIRE ALARM AND HVAC WIRING	03/15/2024	04/26/2024	R1-SFMO RD 1
E4.13	SECOND FLOOR PLAN - AREA 'C' - FIRE ALARM AND HVAC WIRING	03/15/2024	04/26/2024	R1-SFMO RD 1
E4.14	SECOND FLOOR PLAN - AREA 'D' - FIRE ALARM AND HVAC WIRING	03/15/2024	04/26/2024	R1-SFMO RD 1
E4.15	SECOND FLOOR PLAN - AREA 'E' - FIRE ALARM AND HVAC WIRING	03/15/2024	04/26/2024	R1-SFMO RD 1
E4.16	SECOND FLOOR PLAN - AREA 'F' - FIRE ALARM AND HVAC WIRING	03/15/2024	04/26/2024	R1-SFMO RD 1
E5.10	ENLARGED KITCHEN PLAN - ELECTRICAL	03/15/2024		
E5.11	ROOF PLAN - AREA 'A' - ELECTRICAL	03/15/2024		
E5.12	ROOF PLAN - AREA 'D' - ELECTRICAL	03/15/2024		
E5.13	ROOF PLAN - AREA 'F' - ELECTRICAL	03/15/2024		
E6.11	LEGEND AND LIGHTING FIXTURE SCHEDULE	03/15/2024		
E6.12	DETAILS	03/15/2024		
E6.13	FEEDER DIAGRAM	03/15/2024		
E6.14	PANELBOARDS	03/15/2024		
E6.15	PANELBOARDS	03/15/2024		
FP1.21	FIRST FLOOR PLAN - AREA A - FIRE PROTECTION	03/15/2024	06/21/2024	ADD 007
FP1.22	FIRST FLOOR PLAN - AREA B - FIRE PROTECTION	03/15/2024	06/21/2024	ADD 007
FP1.23	SECOND FLOOR PLAN - AREA C - FIRE PROTECTION	03/15/2024	06/21/2024	ADD 007
FP1.24	SECOND FLOOR PLAN - AREA D - FIRE PROTECTION	03/15/2024	06/21/2024	ADD 007
FP1.25	SECOND FLOOR PLAN - AREA E - FIRE PROTECTION	03/15/2024	06/21/2024	ADD 007
FP1.26	SECOND FLOOR PLAN - AREA F - FIRE PROTECTION	03/15/2024	06/21/2024	ADD 007
FP3.01	FIRE PROTECTION DETAILS	03/15/2024	04/26/2024	R1-SFMO RD 1
7				
FS100	FS EQUIPMENT LAYOUT PLAN	03/15/2024		
FS200	FS EQUIPMENT WASTE LAYOUT PLAN	03/15/2024		
FS300	FS EQUIPMENT PLUMBING LAYOUT PLAN	03/15/2024		
FS400	FS EQUIPMENT ELECTRICAL LAYOUT PLAN	03/15/2024		

LEWIS GROUP ARCHITECTS
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info@lewisgroup.net | www.lewisgroup.net

PROJECT REVISIONS

#	DATE	DESCRIPTION
1	04/26/2024	R1-SFMO RD 1
2	05/20/2024	R2
3	05/31/2024	ADD 001
4	06/10/2024	ADD 002
5	06/14/2024	ADD 003
6	06/17/2024	ADD 004
7	06/19/2024	ADD 005
8	06/20/2024	ADD 006
9	06/21/2024	ADD 007

PROJECT DATE
03/15/2024

PROJECT NO.
21074

GENERAL INFORMATION

PROJECT NAME: HORACE MAYNARD MIDDLE SCHOOL

PROJECT NUMBER: LGA PROJECT #: 21074

PROJECT LOCATION: 200 JOHN DEERE DRIVE
CITY / STATE: MAYNARDVILLE, TENNESSEE 37807
COUNTY: UNION COUNTY
OWNER NAME: UNION COUNTY PUBLIC SCHOOLS ⚠1

OWNER: UNION COUNTY PUBLIC SCHOOLS
OWNER ADDRESS: PO BOX 10
3006 MAYNARDVILLE HIGHWAY
MAYNARDVILLE, TN 37807
CONTACT: GREG CLAY, DIRECTOR OF SCHOOLS
PHONE: (865) 992-5466
EMAIL: gregory.clay@ucps.org

PROPERTY SIZE: 46.28 ACRES
PROPERTY DEED BOOK:
CLT MAP: MAP 064
PARCEL: PARCEL 48.00
PAGE: PAGE 860

FIRE CHIEF: CHARLES WILSON
(865) 992-3821
125 JOHNSON ROAD
MAYNARDVILLE, TENNESSEE 37807

ARCHITECT: LEWIS GROUP ARCHITECTS, INC. PC
CONTACT: PAUL MCCALL
ADDRESS: 6512 DEANE HILL DRIVE
KNOXVILLE, TN 37919
PHONE: (865) 584-5000
FAX: (865) 588-1272
EMAIL: pmccall@lewisgroup.net

CIVIL ENGINEER: LAND DEVELOPMENT SOLUTIONS
CONTACT: CHAD BROWN
ADDRESS: 310 SIMMONS RD, SUITE K
KNOXVILLE, TN 37922
PHONE: (865) 671-2281
FAX: (865) 671-2283
EMAIL: cbrown@ldstn.com

STRUCTURAL ENGINEER: HAINES STRUCTURAL GROUP
CONTACT: GEOFF GOODMILLER
ADDRESS: 800 SOUTH GAY STREET, SUITE 1750
KNOXVILLE, TN 37929
PHONE: (865) 329-9920
EMAIL: ggoodmiller@haines-sg.com

MECHANICAL/PLUMBING ENGINEER: ENGINEERING SERVICES GROUP
CONTACT: RUSTY WHILLOCK
ADDRESS: 900 E. HILL AVENUE, SUITE 350
KNOXVILLE, TN 37915
PHONE: (865) 522-0393
FAX: (865) 522-0166
EMAIL: rwhillock@esg1989.com

ELECTRICAL ENGINEER: VREELAND ENGINEERS
CONTACT: HAROLD DAMRON
ADDRESS: 3107 SUTHERLAND AVENUE
KNOXVILLE TN 37919
PHONE: (865) 637-4451
FAX: (865) 637-1558
EMAIL: hdamron@vreelandengineers.com

KITCHEN/FOOD SERVICE: DFFSC
CONTACT: DENNIS FORD
ADDRESS: 1709 FOREST PARK BOULEVARD
KNOXVILLE, TN 37909
PHONE: (865) 216-8418
EMAIL: dffsc@att.net

CODE INFORMATION

CODE REVIEW SUMMARY

PROJECT NO.: 21074
PROJECT: HORACE MAYNARD MIDDLE SCHOOL
PROJECT LOCATION: MAYNARDVILLE, TENNESSEE 37807
BUILDING DESCRIPTION: NEW TWO-STORY MIDDLE SCHOOL.

APPLICABLE CODES:
STATE OF TENNESSEE
2012 INTERNATIONAL BUILDING CODE IBC
2012 NFPA 101, LIFE SAFETY CODE LSC
2012 INTERNATIONAL FUEL GAS CODE IFGC
2012 INTERNATIONAL MECHANICAL CODE IMC
2012 INTERNATIONAL PLUMBING CODE IPC
2012 INTERNATIONAL FIRE CODE IFC
2012 INTERNATIONAL ENERGY CONSERVATION CODE IECC
2017 NATIONAL ELECTRIC CODE, NFPA 70 NEC
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN ⚠1

CITY OF MAYNARDVILLE
2018 INTERNATIONAL BUILDING CODE IBC

SCOPE:
HORACE MAYNARD MIDDLE SCHOOL WILL BE A NEW TWO-STORY FACILITY INCLUDING A GYM, CAFETERIA, AND COMMERCIAL KITCHEN.

IECC CLIMATE ZONE:
ZONE 4A SEE APPENDIX A IECC TABLE C402.2
THERMAL ENVELOPE REQUIREMENTS:
ROOFS – INSULATION ENTIRELY ABOVE DECKS = R-30CI
ROOFS – METAL BUILDINGS (WITH R-5 THERMAL BLOCKS) = R-19+
WALLS, ABOVE GRADE – MASS = R-9.5CI
WALLS, BELOW GRADE – R-7.5CI
FLOORS – MASS = R-10CI
SLAB-ON-GRADE FLOORS – UNHEATED SLABS = R-10 FOR 24" BELOW

BUILDING RISK CATEGORY:
RISK CATEGORY: III IBC T1604.5

OCCUPANCY (IBC CHAPTER 3):
OCCUPANCY GROUP: EDUCATIONAL, GROUP E IBC 305; LSC 6.1.3

HAZARD CLASSIFICATION:
ORDINARY HAZARD LSC 6.2.2.3

CONSTRUCTION TYPE:
TYPE II-B, SPRINKLERED IBC CHAPTER 6

FIRE SEPARATION DISTANCE: (SITE LOCATION)
X > 30' TYPE II-B - 0 HOURS IBC T602

FIRE RESISTANCE RATING: IBC T601
PRIMARY STRUCTURAL FRAME 0 HOURS
BEARING WALLS
INTERIOR 0 HOURS
EXTERIOR 0 HOURS
NON-BEARING
EXTERIOR (IBC T602) 0 HOURS
INTERIOR 0 HOURS
FLOOR AND SECONDARY MEMBERS 0 HOURS
ROOF AND SECONDARY MEMBERS 0 HOURS

SEISMIC DESIGN CATEGORY: C
REQUIRED SEISMIC BRACING SPRINKLER PIPING ⚠1

IBC 2012 - 404 "ATRIUMS "
404.1 GENERAL: IN OTHER THAN GROUP H OCCUPANCIES, AND WHERE PERMITTED BY SECTION 712.1.6, THE PROVISIONS OF SECTIONS 404.1 THROUGH 404.9 SHALL APPLY TO BUILDINGS OR STRUCTURES CONTAINING VERTICAL OPENINGS DEFINED AS "ATRIUMS."
404.1.1 DEFINITION: THE FOLLOWING TERM IS DEFINED IN CHAPTER 2: ATRIUM.
[F] 404.3 AUTOMATIC SPRINKLER PROTECTION. AN APPROVED AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED THROUGHOUT THE ENTIRE BUILDING.
EXCEPTIONS:
- THAT AREA OF A BUILDING ADJACENT TO OR ABOVE THE ATRIUM NEED NOT BE SPRINKLERED PROVIDED THAT PORTION OF THE BUILDING IS SEPARATED FROM THE ATRIUM PORTION BY NOT LESS THAN 2-HOUR FIRE BARRIERS CONSTRUCTED IN ACCORDANCE WITH SECTION 707 OR HORIZONTAL ASSEMBLIES CONSTRUCTED IN ACCORDANCE WITH SECTION 711, OR BOTH.
- WHERE THE CEILING OF THE ATRIUM IS NOT MORE THAN 55 FEET (16 764 MM) ABOVE THE FLOOR, SPRINKLER PROTECTION AT THE CEILING OF THE ATRIUM IS NOT REQUIRED.

[F] 404.4 FIRE ALARM SYSTEM. A FIRE ALARM SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 907.2.14.
404.5 SMOKE CONTROL. A SMOKE CONTROL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 909.
EXCEPTION: SMOKE CONTROL IS NOT REQUIRED FOR ATRIUMS THAT CONNECT ONLY TWO STORIES.
404.6 ENCLOSURE OF ATRIUMS. ATRIUM SPACES SHALL BE SEPARATED FROM ADJACENT SPACES BY A 1-HOUR FIRE BARRIER CONSTRUCTED IN ACCORDANCE WITH SECTION 707 OR A HORIZONTAL ASSEMBLY CONSTRUCTED IN ACCORDANCE WITH SECTION 711, OR BOTH.
EXCEPTIONS:
- A FIRE BARRIER IS NOT REQUIRED WHERE A GLASS WALL FORMING A SMOKE PARTITION IS PROVIDED. THE GLASS WALL SHALL COMPLY WITH ALL OF THE FOLLOWING:
- AUTOMATIC SPRINKLERS ARE PROVIDED ALONG BOTH SIDES OF THE SEPARATION WALL AND DOORS, OR ON THE ROOM SIDE ONLY IF THERE IS NOT A WALKWAY ON THE ATRIUM SIDE. THE SPRINKLERS SHALL BE LOCATED BETWEEN 4 INCHES AND 12 INCHES (102 MM AND 305 MM) AWAY FROM THE GLASS AND AT INTERVALS ALONG THE GLASS NOT GREATER THAN 6 FEET (1829 MM). THE SPRINKLER SYSTEM SHALL BE DESIGNED SO THAT THE ENTIRE SURFACE OF THE GLASS IS WET UPON ACTIVATION OF THE SPRINKLER SYSTEM WITHOUT OBSTRUCTION;
- THE GLASS WALL SHALL BE INSTALLED IN A GASKETED FRAME IN A MANNER THAT THE FRAMING SYSTEM DEFLECTS WITHOUT BREAKING (LOADING) THE GLASS BEFORE THE SPRINKLER SYSTEM OPERATES; AND
- WHERE GLASS DOORS ARE PROVIDED IN THE GLASS WALL, THEY SHALL BE EITHER SELF-CLOSING OR AUTOMATIC-CLOSING.
- A FIRE BARRIER IS NOT REQUIRED WHERE A GLASS-BLOCK WALL ASSEMBLY COMPLYING WITH SECTION 2110 AND HAVING A 3/4-HOUR FIRE PROTECTION RATING IS PROVIDED.
- A FIRE BARRIER IS NOT REQUIRED BETWEEN THE ATRIUM AND THE ADJOINING SPACES OF ANY THREE FLOORS OF THE ATRIUM PROVIDED SUCH SPACES ARE ACCOUNTED FOR IN THE DESIGN OF THE SMOKE CONTROL SYSTEM.

NFPA 101 2012 - 8.6.7 " *ATRIUM*"
UNLESS PROHIBITED BY CHAPTERS 11 THROUGH 43, AN ATRIUM SHALL BE PERMITTED, PROVIDED THAT THE FOLLOWING CONDITIONS ARE MET:
- THE ATRIUM IS SEPARATED FROM THE ADJACENT SPACES BY FIRE BARRIERS WITH NOT LESS THAN A 1-HOUR FIRE RESISTANCE RATING, WITH OPENING PROTECTIVES FOR CORRIDOR WALLS, UNLESS ONE OF THE FOLLOWING IS MET:
- THE REQUIREMENT OF 8.6.7(1) SHALL NOT APPLY TO EXISTING, PREVIOUSLY APPROVED ATRIUMS.
- ANY NUMBER OF LEVELS OF THE BUILDING SHALL BE PERMITTED TO OPEN DIRECTLY TO THE ATRIUM WITHOUT ENCLOSURE, BASED ON THE RESULTS OF THE ENGINEERING ANALYSIS REQUIRED IN 8.6.7(5).
- "GLASS WALLS AND INOPERABLE WINDOWS SHALL BE PERMITTED IN LIEU OF THE FIRE BARRIERS WHERE ALL THE FOLLOWING ARE MET:
- AUTOMATIC SPRINKLERS ARE SPACED ALONG BOTH SIDES OF THE GLASS WALL AND THE INOPERABLE WINDOWS AT INTERVALS NOT TO EXCEED 6 FT (1830 MM).
- THE AUTOMATIC SPRINKLERS SPECIFIED IN 8.6.7(1) (C) (I) ARE LOCATED AT A DISTANCE FROM THE GLASS WALL NOT TO EXCEED 12 IN. (305 MM) AND ARRANGED SO THAT THE ENTIRE SURFACE OF THE GLASS IS WET UPON OPERATION OF THE SPRINKLERS.
- THE GLASS WALL IS OF TEMPERED, WIRED, OR LAMINATED GLASS HELD IN PLACE BY A GASKET SYSTEM THAT ALLOWS THE GLASS FRAMING SYSTEM TO DEFLECT WITHOUT BREAKING (LOADING) THE GLASS BEFORE THE SPRINKLERS OPERATE.
- THE AUTOMATIC SPRINKLERS REQUIRED BY 8.6.7(1) (C) (I) ARE NOT REQUIRED ON THE ATRIUM SIDE OF THE GLASS WALL AND THE INOPERABLE WINDOW WHERE THERE IS NO WALKWAY OR OTHER FLOOR AREA ON THE ATRIUM SIDE ABOVE THE MAIN FLOOR LEVEL.
- DOORS IN THE GLASS WALLS ARE OF GLASS OR OTHER MATERIAL THAT RESISTS THE PASSAGE OF SMOKE.
- DOORS IN THE GLASS WALLS ARE SELF-CLOSING OR AUTOMATIC-CLOSING UPON DETECTION OF SMOKE.
- THE GLASS IS CONTINUOUS VERTICALLY, WITHOUT HORIZONTAL MULLIONS, WINDOW TREATMENTS, OR OTHER OBSTRUCTIONS THAT WOULD INTERFERE WITH THE WETTING OF THE ENTIRE GLASS SURFACE.
- ACCESS TO EXITS IS PERMITTED TO BE WITHIN THE ATRIUM, AND EXIT DISCHARGE IN ACCORDANCE WITH 7.7.2 IS PERMITTED TO BE WITHIN THE ATRIUM.
- THE OCCUPANCY WITHIN THE ATRIUM MEETS THE SPECIFICATIONS FOR CLASSIFICATION AS LOW OR ORDINARY HAZARD CONTENTS. (SEE 6.2.2.) THE ENTIRE BUILDING IS PROTECTED THROUGHOUT BY AN APPROVED, SUPERVISED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 9.7.
- "FOR OTHER THAN EXISTING, PREVIOUSLY APPROVED ATRIUMS, AN ENGINEERING ANALYSIS IS PERFORMED THAT DEMONSTRATES THAT THE BUILDING IS DESIGNED TO KEEP THE SMOKE LAYER INTERFACE ABOVE THE HIGHEST UNPROTECTED OPENING TO ADJOINING SPACES, OR 6 FT (1830 MM) ABOVE THE HIGHEST FLOOR LEVEL OF EXIT ACCESS OPEN TO THE ATRIUM, FOR A PERIOD EQUAL TO 1.5 TIMES THE CALCULATED EGRESS TIME OR 20 MINUTES, WHICHEVER IS GREATER.
- "IN OTHER THAN EXISTING, PREVIOUSLY APPROVED ATRIUMS, WHERE AN ENGINEERED SMOKE CONTROL SYSTEM IS INSTALLED TO MEET THE REQUIREMENTS OF 8.6.7(5), THE SYSTEM IS INDEPENDENTLY ACTIVATED BY EACH OF THE FOLLOWING:
- REQUIRED AUTOMATIC SPRINKLER SYSTEM
- MANUAL CONTROLS THAT ARE READILY ACCESSIBLE TO THE FIRE DEPARTMENT

INTERIOR PARTITIONS:
CORRIDOR WALLS – NO REQUIRED RATING IBC T1020.2

INTERIOR FINISHES:
EDUCATIONAL, GROUP E
SPRINKLERED - EXITS CLASS B; CORRIDORS CLASS C; ROOMS CLASS C IBC T803.9
EXITS CLASS A; OTHER THAN EXITS CLASS A OR B LSC 14.3.3.2

AUTOMATIC SPRINKLER SYSTEM:
EDUCATIONAL, GROUP E: SPRINKLERED – REQUIRED IBC 903.2.3; LSC 14.3.5.1

PORTABLE FIRE EXTINGUISHERS:
5LB 2A:10B:C MINIMUM, 11,250 S.F., 75' TRAVEL DISTANCE IBC T906.3(1)

OCCUPANT LOAD: IBC T1004.5 AND LSCT7.3.1.2

CLASSROOM	20 N.S.F./OCC.
VOCATIONAL ROOM	50 N.S.F./OCC.
COMMONS AREA	15 N.S.F./OCC.
BUSINESS	100 G.S.F./OCC.
KITCHEN	200 G.S.F./OCC.
ACCESSORY/STORAGE	300 G.S.F./OCC.
ACCESSORY/STORAGE (LSC)	500 G.S.F./OCC.

SEE SHEET G1.21 AND G1.22 FOR OCCUPANT LOAD BY ROOM AND EGRESS.

DOORS
DOOR SHALL NOT INTERFERE WITH THE EXIT ACCESS CORRIDOR LSC 14.2.5.6
DOOR SWING NOT REDUCE EXIT BY MORE THAN 50% AND NOT PROJECT MORE THAN 7" LSC 7.2.1.4.3.1
DOORS IN CORRIDOR SHALL BE SELF-CLOSING LSC 8.4.3.5

EGRESS WIDTH:
STAIRS – 0.3 X 335 = 100.5" IBC 1005.3.1
OTHER – 0.2 X 496 = 99.2" MINIMUM WIDTH IBC 1005.3.2; LSC T7.3.3.1

EDUCATIONAL, GROUP E STAIRS – 100.5" EGRESS WIDTH PROVIDED
EDUCATIONAL, GROUP E OTHER – 136.75" EGRESS WIDTH PROVIDED

NUMBER OF EXITS: IBC T1015.1; LSC 14.2.4.2

	MINIMUM EXITS REQUIRED	EXITS PROVIDED
1ST FLOOR	4	10
2ND FLOOR	4	10

ROOMS WITH MORE THAN 50 OCCUPANTS 2 EXITS FROM ROOM LSC 14.2.5.4
MEANS OF EGRESS 50% OF CAPACITY LSC 7.3.1.1.2

EXIT SIGNS
REQUIRED IBC 1011.1

TRAVEL DISTANCE:
EDUCATIONAL, GROUP E
DEAD END CORRIDOR 50 FEET, SPRINKLERED IBC 1018.5 E2; LSC 14.2.5.2
EXIT ACCESS TRAVEL DISTANCE 250 FEET, SPRINKLERED IBC T1016.2
EXIT ACCESS TRAVEL DISTANCE 200 FEET, SPRINKLERED
COMMON PATH OF TRAVEL 75 FEET IBC T1014.3
COMMON PATH OF TRAVEL 100 FEET LSC 14.2.5.3.1

CORRIDOR:
CONSTRUCTION – RATING REQUIRED 0 HOUR RATING WITH SPRINKLER SYSTEM IBC T1018.1
SMOKE PARTITION WITH SELF-CLOSING DOORS LSC 14.3.6(2)
WIDTH – MINIMUM CORRIDOR 72" FOR 100 OR MORE OCCUPANTS IBC T1018.2
MINIMUM CORRIDOR WITH IS 6' CLEAR LSC 14.2.3.2

SMOKE PARTITIONS:
EXTENT FROM FLOOR TO ROOF DECK OR TO CEILING IF IS CONTINUOUS MEMBRANE, SPACE ABOVE NOT USED AS PLENUM AND SMOKE-TIGHT JOINT AT TOP OF WALL IBC 710.4; LSC 8.4.2

GLASS AND GLAZING:
SAFETY GLASS REQUIRED IBC 2406.4.3

PLUMBING FIXTURE COUNT IBC T2902.1
1,998 OCCUPANTS >> 999 MALE/ 999 FEMALE

	MALE	FEMALE	
WATER CLOSET (1/50)	24	25	NOT SUBSTITUTE FOR MORE THAN 67%
PROVIDED:	14	14	IPC 419.2
	21	ADDITIONAL W.C. MARKED AS UNISEX	
LAVATORIES (1/50)	18	19	
PROVIDED:	8	8	
	21	ADDITIONAL W.C. MARKED AS UNISEX	
DRINKING FOUNTAINS (1/100)	12	TOTAL (1,000 STUDENT CORE SCHOOL = 10 REQUIRED)	
PROVIDED:	12 + 6 BOTTLEFILLERS		
SERVICE SINK	6		
PROVIDED:	48		

EGRESS CAPACITY OF DOORS (2012 IBC 1005.1):
DOORS WITH STANDARD HOLLOW METAL FRAMES AND BUTT HINGES

SIZE	CLEAR WIDTH	MAX. OCC. LOAD (CAP = 2"/OCC)
(1) 3'-0"	33.125"	165 OCCUPANTS
(1) 3'-2"	35.125"	175 OCCUPANTS
(1) 3'-4"	37.125"	185 OCCUPANTS
(1) 3'-6"	39.125"	195 OCCUPANTS
(1) 3'-8"	41.125"	205 OCCUPANTS
(1) 3'-10"	43.125"	215 OCCUPANTS
(1) 4'-0"	45.125"	225 OCCUPANTS
(2) 3'-0"	67.125"	335 OCCUPANTS
(2) 3'-2"	71.125"	357 OCCUPANTS
(2) 3'-3"	73.125"	367 OCCUPANTS
(2) 3'-4"	75.125"	377 OCCUPANTS
(2) 3'-6"	79.125"	397 OCCUPANTS
(2) 3'-7"	81.125"	407 OCCUPANTS
(2) 3'-8"	83.125"	417 OCCUPANTS
(2) 3'-10"	87.125"	437 OCCUPANTS
(2) 4'-0"	91.125"	457 OCCUPANTS

LISTED U.L. ASSEMBLIES
SEE SHEETS G1.31 AND G1.32.

GRAPHIC SYMBOLS

DETAIL / DRAWING TITLE
View Name
SCALE: 1/8" = 1'-0"
1 / A1.11

SECTION INDICATOR
SECTION NUMBER
DETAIL LABEL (IF APPLICABLE)
1A / A1.11 / SIM
SHEET NUMBER

DETAIL INDICATOR
DETAIL NUMBER
DETAIL LABEL (IF APPLICABLE)
1A / A5.11 / SIM
SHEET NUMBER

EXTERIOR ELEVATION TAG
EXTERIOR ELEVATION NUMBER
1 / A1.11
SHEET NUMBER

INTERIOR ELEVATION TAG
1A / A1.11 / 1A
INTERIOR ELEVATION NUMBER
SHEET NUMBER

ROOM TAG
Room Name / 1001 / 150 SF / 150 SF
ROOM NAME
ROOM NUMBER
ROOM AREA
PROGRAMMED ROOM AREA (IF APPLICABLE)

REVISION INDICATOR
1
REVISION NUMBER

WALL DESIGNATION
NEW CONSTRUCTION

WINDOW / LOUVER / STOREFRONT / CURTAIN WALL TAG
A
WINDOW NUMBER
LOUVER NUMBER
STOREFRONT NUMBER
CURTAIN WALL NUMBER

ELEVATION DATUM MARK
FIRST FLOOR EL.0'-0"

KEYNOTE
KEYNOTE NUMBER

CEILING TAG
C1 / 110'-0"
HEIGHT OF CEILING ABOVE FINISH FLOOR
CEILING TYPE DESIGNATION -SEE CEILING TYPES LIST ON REFLECTED CEILING PLAN

WALL TAG
555
WALL TAG SYMBOL
SEE PARTITION TYPES SHEET A1.71 FOR DESCRIPTION OF PARTITION

DOOR TAG
101
DOOR NUMBER

COLUMN GRID LINES AND HEADS
0
COLUMN SYMBOL
COLUMN GRID

MATCH LINE
1/A1.11 / 1/A1.12

DOOR DESIGNATION
NEW CONSTRUCTION

MATERIALS LEGEND

CONCRETE BLOCK (CMU) IN PLAN OR SECTION
GYPSUM BOARD, PLASTER, OR CONCRETE IN PLAN AS NOTED
PLYWOOD
FINISHED WOOD
WOOD FRAMING
METAL IN SECTION
BRICK
CONCRETE IN SECTION
BATT INSULATION
CONCRETE BLOCK (CMU) IN SECTION
EARTH
RIGID INSULATION IN PLAN OR SECTION
STONE IN PLAN OR SECTION

ABBREVIATIONS

A.F.F.	ABOVE FINISH FLOOR
ALT.	ALTERNATE
ALUM.	ALUMINUM
ARCH.	ARCHITECTURE
ASPH.	ASPHALT
ATTN.	ATTENTION
BEJ	BUILDING EXPANSION JOINT
BSMT.	BASEMENT
BLDG.	BUILDING
BLK.	BLOCK
BRG.	BEARING
C.B.	CATCH BASIN
CDC	COMPREHENSIVE DEVELOPMENT CLASSROOM
CLG.	CEILING
CLO.	CLOSET
CLR.	CLEAR
COL.	COLUMN
COMP.	COMPOSITION
CONC.	CONCRETE
CONCS	CONCESSION STAND
C.M.U.	CONCRETE MASONRY UNIT
CONF.	CONFERENCE ROOM
CONST.	CONSTRUCTION
C.J.	CONTROL JOINT
C.T.	CERAMIC TILE
DTL.	DETAIL
DIA.	DIAMETER
DN.	DOWN
D.F.	DRINKING FOUNTAIN
D.S.	DOWNSPOUT
EA.	EACH
E.I.F.S.	EXTERIOR INSULATION AND FINISH SYSTEM
ELEC.	ELECTRIC
ELEV.	ELEVATOR
E.W.C.	ELECTRIC WATER COOLER
ELEV.	ELEVATION
EQ.	EQUAL
EXIST.	EXISTING
EXT.	EXTERIOR
E.J.	EXPANSION JOINT
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
FLR.	FLOOR
F.D.	FLOOR DRAIN
F.T.	FOOT
FTG.	FOOTING
GALV.	GALVANIZE
G.I.	GALVANIZED IRON
GA.	GAUGE
GYP.	GYPSUM
H.B.	HOSE BIB
HDWRE.	HARDWARE
HVAC	HEATING, VENTILATION, & AIRE CONDITIONING
HGT.	HEIGHT
H.M.	HOLLOW METAL
I.D.	INSIDE DIAMETER
IDF	INDIVIDUAL DISTRIBUTION FRAME
IN.	INCH
INV.	INVERT
I.S.S.	IN-SCHOOL SUSPENSION
JAN.	JANITOR
LAV.	LAVATORY
LB.	POUND
LKR	LOCKER
M.H.	MANHOLE
MANUF.	MANUFACTURER
M.O.	MASONRY OPENING
MTL.	METAL
MECH.	MECHANICAL
MAX.	MAXIMUM
MDF	MAIN DISTRIBUTION FRAME
MGR	MANAGER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO.	NUMBER
O.C.	OUTSIDE DIAMETER
OCC.	OCCUPANTS / OCCUPANCY
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
OPP.	OPPOSITE
PL.	PLATE
PLAS.	PLASTIC
PLAM.	PLASTIC LAMINATE
PLUMB.	PLUMBING
PLYWD.	PLYWOOD
P.T.	PRESSURE TREATED
R. OR RAD.	RADIUS
R.D.	ROOF DRAIN
REINF.	REINFORCING
REQ'D	REQUIRED
RM.	ROOM
R.O.	ROUGH OPENING
R.I.	ROUGH-IN
RTI	RESPONSE TO INTERVENTION
SCHED.	SCHEDULE
SECT.	SECTION
S.F.	SQUARE FEET
SHT.	SHEET
SIM.	SIMILAR
SPECS.	SPECIFICATIONS
SPED	SPECIAL EDUCATION
SQ. FT.	SQUARE FEET
SRO	STUDENT RESOURCE OFFICER
STD.	STANDARD
STEM	SCIENCE TECHNOLOGY ENGINEERING MATH
STL.	STEEL
STOR.	STORAGE
S.D.	STORM DRAIN
SUSP.	SUSPENDED
SQ.	SQUARE
S.S.	STAINLESS STEEL
STRCT.	STRUCTURAL
T.LT.	TOILET
TYP.	TYPICAL
U.L.	UNDERWRITER'S LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V.C.T.	VINYL COMPOSITION TILE
VERT.	VERTICAL
W.C.	WATER CLOSET
W.H.	WATER HEATER
W.F.	WIDE FLANGE
WD.	WOOD
W/	WITH
W.W.F.	WELDED WIRE FABRIC
W.W.M.	WELDED WIRE MESH

SYMBOLS:
∠ ANGLE
@ AT
℄ CENTER LINE

ALLOWABLE AREA:
EDUCATIONAL, GROUP-E
BASE ALLOWABLE AREA FOR TYPE II-B CONSTRUCTION: **14,500 S.F., 2 STORY, 55 FEET**

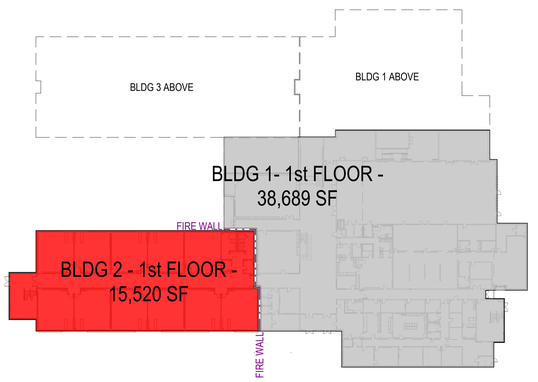
AREA MODIFICATION: (506) $A_a = \{ A_T + [A_T \times I_f] + [A_T \times I_s] \}$
[EDUCATIONAL OCCUPANCY ALLOWABLE AREA IS 14,500 S.F.

A_a ALLOWABLE AREA PER STORY
A_T TABULAR AREA PER STORY
I_f AREA INCREASE FACTOR DUE TO FRONTAGE
I_s AREA INCREASE FACTOR DUE TO SPRINKLER

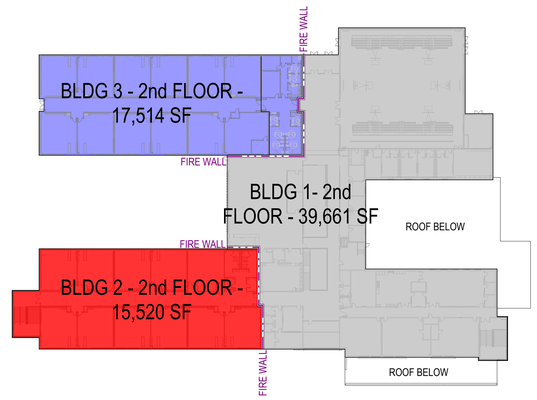
BLDG 1 (SEE KEY PLAN TO RIGHT)
ACTUAL:
1ST FLOOR: **38,689 SF**
2ND FLOOR: **39,661 SF**
ALLOWABLE:
$A_a = \{ A_T + [A_T \times I_f] + [A_T \times I_s] \}$
$A_a = \{ 14,500 + [NOT CALCULATED] + [14,500 \times 2] \}$
$A_a =$ **43,500 SF**

BLDG 2 (SEE KEY PLAN TO RIGHT)
ACTUAL:
1ST FLOOR: **15,520 SF**
2ND FLOOR: **15,520 SF**
ALLOWABLE:
$A_a = \{ A_T + [A_T \times I_f] + [A_T \times I_s] \}$
$A_a = \{ 14,500 + [NOT CALCULATED] + [14,500 \times 2] \}$
$A_a =$ **43,500 SF**

BLDG 3 (SEE KEY PLAN TO RIGHT)
ACTUAL:
1ST FLOOR: **17,514 SF**
ALLOWABLE:
$A_a = \{ A_T + [A_T \times I_f] + [A_T \times I_s] \}$
$A_a = \{ 14,500 + [NOT CALCULATED] + [14,500 \times 3] \}$
$A_a =$ **58,000 SF**



1ST FLOOR BUILDING AREAS
SCALE: 1" = 50'-0"
1 / G1.11



2ND FLOOR BUILDING AREAS
SCALE: 1" = 50'-0"
2 / G1.11

⚠1

LEWIS GROUP ARCHITECTS
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A NEW SCHOOL FACILITY:
HORACE MAYNARD MIDDLE SCHOOL
UNION COUNTY PUBLIC SCHOOLS
MAYNARDVILLE, TN

JACOB STAFFORD THOMAS — REGISTERED ARCHITECT — DEPARTMENT OF AGRICULTURE — COMMERCE — No. 104774 — STATE OF TENNESSEE

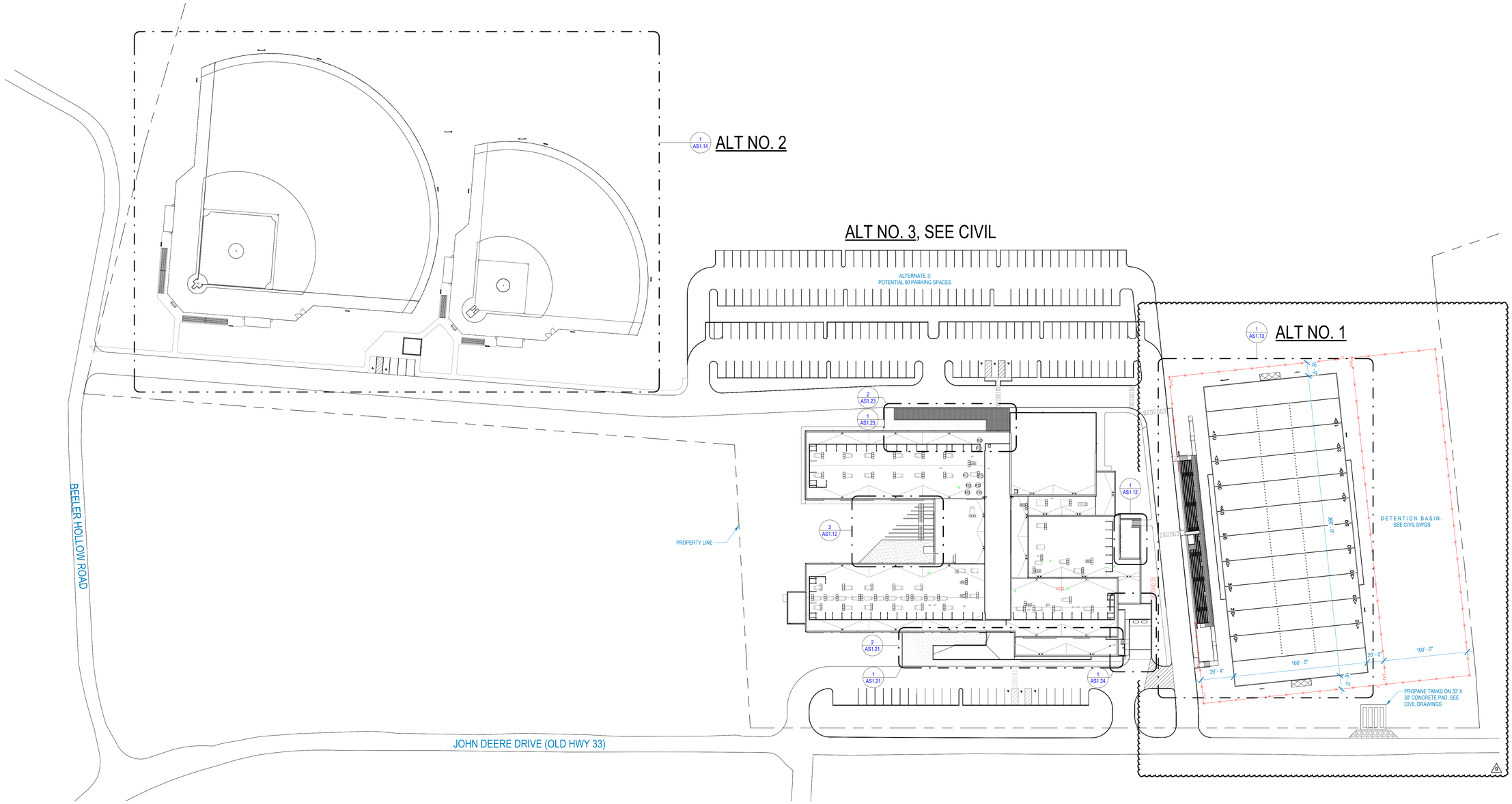
DATE: 03/15/2024
PROJECT NO: 21074
SBC NO:

PROJECT REVISIONS

#	DATE	DESCRIPTION
1	04/26/2024	R1-SFMO RD 1
9	06/21/2024	ADD 007

GENERAL INFORMATION

G1.11



OVERALL ARCHITECTURAL SITE PLAN
SCALE: 1" = 50'-0"

1
AS1.11

LEWIS GROUP ARCHITECTS
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JACOB STAFFORD THOMAS
REGISTERED ARCHITECT
AGRICULTURE
COMMERCE
No. 104781
STATE OF TENNESSEE
03/15/2024

A NEW SCHOOL FACILITY:
HORACE MAYNARD MIDDLE SCHOOL
UNION COUNTY PUBLIC SCHOOLS
MAYNARDVILLE, TN

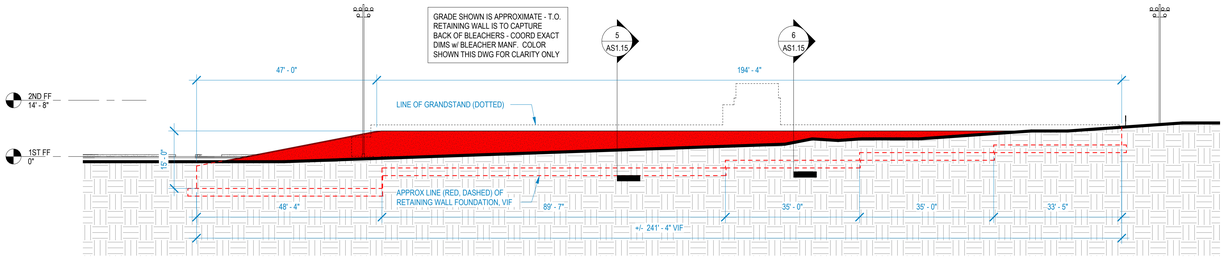
DATE: 03/15/2024
PROJECT NO: 21074
SBC NO:

PROJECT REVISIONS

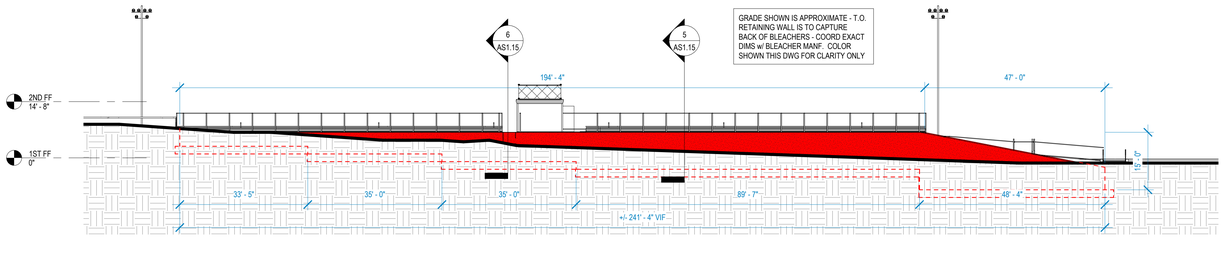
#	DATE	DESCRIPTION
9	06/21/2024	ADD 007

OVERALL ARCHITECTURAL SITE PLAN

AS1.11



RETAINING WALL ELEVATION - EAST
SCALE: 1/16" = 1'-0"
2 AS1.13



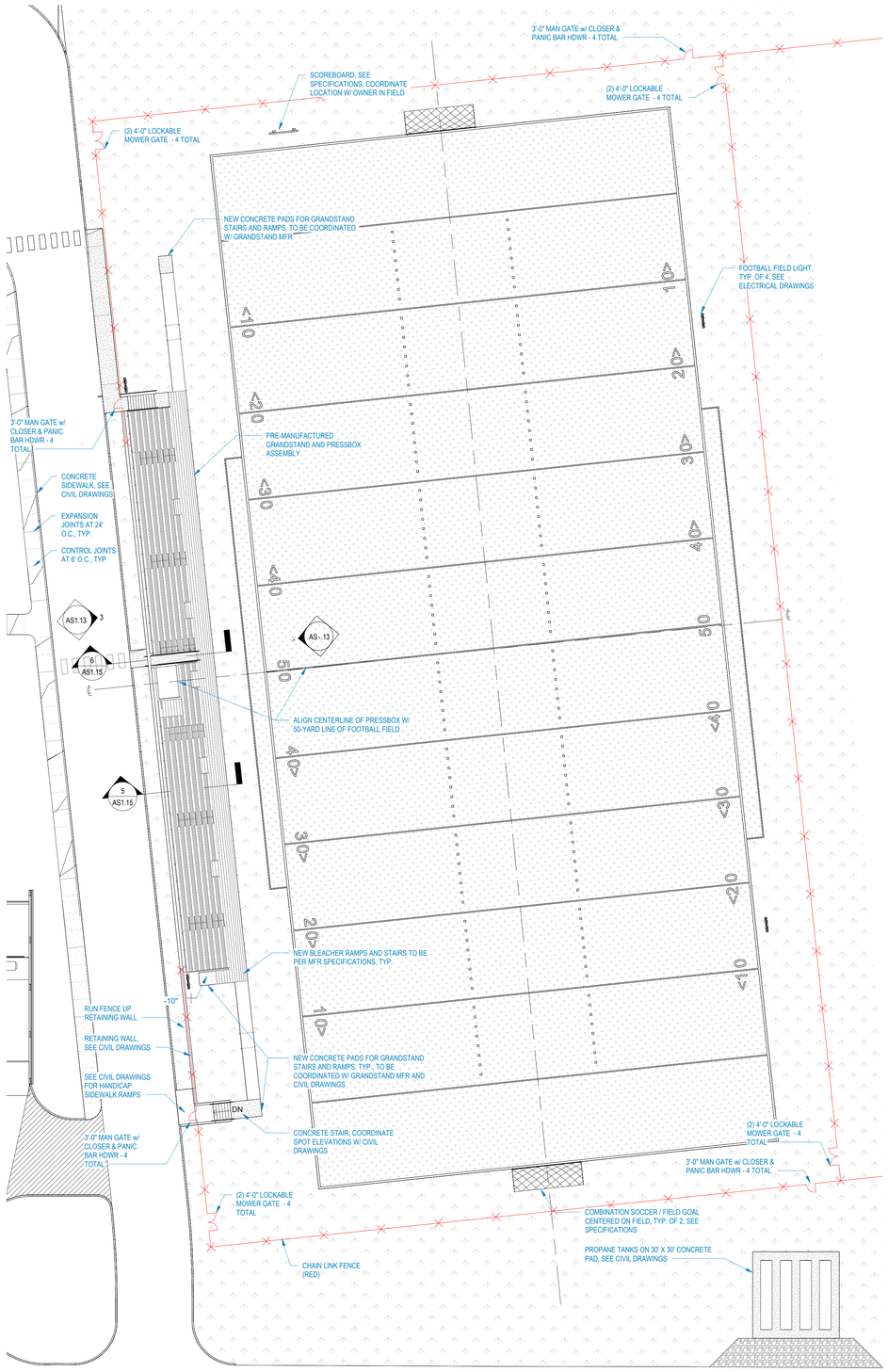
RETAINING WALL ELEVATION - WEST
SCALE: 1/16" = 1'-0"
3 AS1.13

SITE AND ATHLETIC FIELD NOTES

1. ALL ATHLETIC FIELDS SHALL BE LASER-GRADED TO WITHIN 0.1' OF PROPOSED FINISHED GRADE AND AS REQUIRED TO PROVIDED POSITIVE DRAINAGE.
2. SKINNED AREAS OF ATHLETIC FIELDS SHALL RECEIVE 6" OF SANDY CLAY MIXTURE CONSISTING OF 50% RED CLAY, 48& SCREENED SAND AND 2% SILT/SOIL.
3. WARNING TRACK AREAS OF ATHLETIC FIELDS SHALL MATCH SKINNED AREAS U.N.O.
4. TURFED AREAS OF ATHLETIC FIELDS SHALL RECEIVE 6" SIFTED TOPSOIL. ADD DOLOMITIC LIMESTONE AT TWO TONS PER ACRE AS REQUIRED TO INCREASE PH LEVEL OF MIXTURE.
5. AT TURFED AREAS OF ATHLETIC FIELDS, APPLY 10-20-20 FERTILIZER / PREPLANT MIXTURE WITH 1.2% RONSTAR - APPLY AT TWO HUNDRED POUNDS PER ACRE. APPLY 15-15-15 STARTER FERTILIZER AT THREE HUNFRED FIFTY POUNDS PER ACRE.
6. ALL TURFED AREAS OF ATHLETIC FIELDS SHALL BE SODDED WITH TIFWAY 419 BERMUDA GRASS. COORDINATE SODDING SCHEDULE WITH GENERAL CONTRACTOR.
7. FOR ALL FENCE TYPES / HEIGHTS, CONTRACTOR SHALL SUBMIT DETAILED DESIGN DRAWINGS TO INCLUDE POST SIZE / SPACING, POST FOOTINGS, ETC. ACCORDING TO INDUSTRY STANDARDS.
8. COORDINATE ALL FENCING SPECIFICS AND DETAILS INCLUDING ANCHORAGE WITH FENCING MANUFACTURER / SUPPLIER.
9. CONSTRUCT BASEBALL FIELD, SOFTBALL FIELD, AND FOOTBALL FIELD IN ACCORDANCE WITH THE NATIONAL ASSOCIATIONS COURT & FIELD DIAGRAM GUIDE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

SITE AND ATHLETIC FIELD LEGEND:

- CONCRETE
- 'SKINNED' AREAS / WARNING TRACK
- SEED AND STRAW
- GRASS TURF



ENLARGED FOOTBALL / SOCCER FIELD PLAN - ALT NO. 1
SCALE: 1" = 20'-0"
1 AS1.13
6

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JACOB STAFFORD THOMAS REGISTERED ARCHITECT AGRICULTURE COMMERCE 03/15/2024 No. 104781 STATE OF TENNESSEE

A NEW SCHOOL FACILITY:
HORACE MAYNARD MIDDLE SCHOOL
UNION COUNTY PUBLIC SCHOOLS
MAYNARDVILLE, TN

DATE: 03/15/2024
PROJECT NO: 21074
SBC NO:

PROJECT REVISIONS

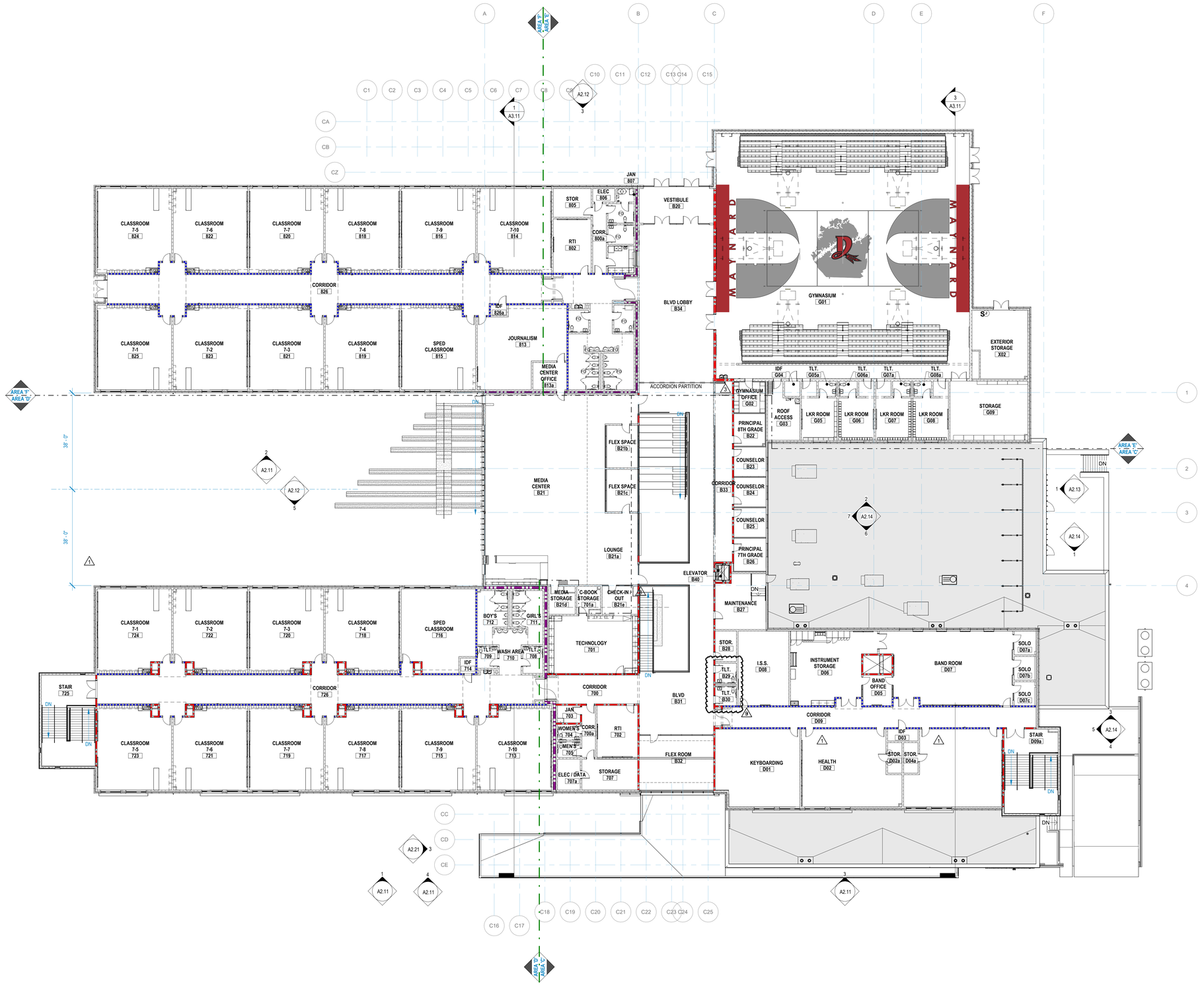
#	DATE	DESCRIPTION
8	06/20/2024	ADD 006
9	06/21/2024	ADD 007

ENLARGED SOUTH FIELD PLAN

AS1.13

WALL LEGEND

- EXTERIOR WALL
- NON- RATED STUD PARTITION
- NON- RATED CMU PARTITION
- NON-RATED CMU "SMOKE BARRIER"
- ONE-HOUR RATED "FIRE BARRIER"
- TWO-HOUR RATED "FIRE WALL" ⚠



SECOND FLOOR PLAN
SCALE: 1/16" = 1'-0"

2
A1.12

MAGNETIC NORTH

BUILDING NORTH

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A NEW SCHOOL FACILITY:

HORACE MAYNARD MIDDLE SCHOOL

UNION COUNTY PUBLIC SCHOOLS

MAYNARDVILLE, TN

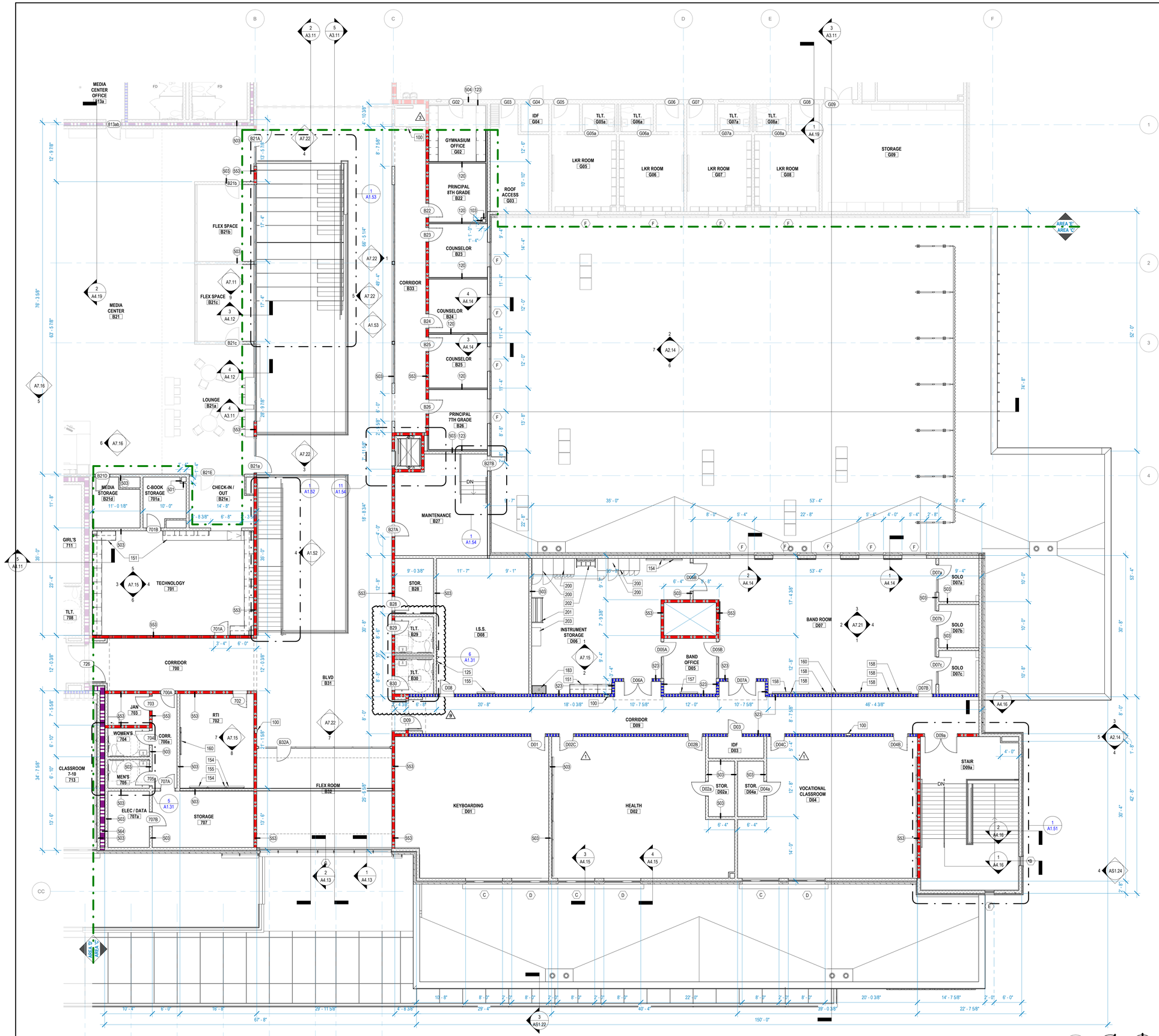
DATE: 03/15/2024
PROJECT NO: 21074
SBC NO:

PROJECT REVISIONS

#	DATE	DESCRIPTION
1	04/26/2024	R1-SFMO RD 1
3	05/31/2024	ADD 001
8	06/20/2024	ADD 006
9	06/21/2024	ADD 007

SECOND FLOOR COMPOSITE PLAN

A1.12



SECOND FLOOR PLAN - AREA 'C'
SCALE: 1/8" = 1'-0"

1 A1.23

MAGNETIC NORTH

BUILDING NORTH

WALL LEGEND

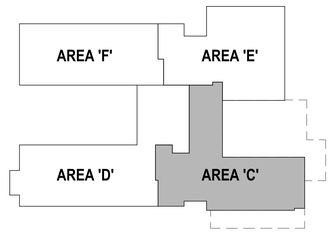
- EXTERIOR WALL
- NON- RATED STUD PARTITION
- NON- RATED CMU PARTITION
- NON-RATED CMU "SMOKE BARRIER"
- ONE-HOUR RATED "FIRE BARRIER"
- TWO-HOUR RATED "FIRE WALL"

GENERAL FLOOR PLAN NOTES

1. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF CONC. WALL, FACE OF STUD AT STUD WALLS, CENTERLINE OF COLUMN, EDGE OF WALK OR FACE OF CURB UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL NOT SCALE THIS OR ANY OTHER DRAWING IN CONTRACT DOCUMENTS. DIMENSIONS SHALL ALWAYS TAKE PRECEDENCE. CONTACT ARCHITECT FOR CLARIFICATION CONCERNING ANY AND ALL DISCREPANCIES.
3. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS CONCERNING FIXTURE AND EQUIPMENT LOCATIONS ON-SITE. DO NOT SCALE THIS OR ANY OTHER DRAWING. IN THE EVENT DIMENSIONS ARE IN QUESTION OR IF ANY DISCREPANCIES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK.
4. REFER TO WALL LEGEND FOR TYPE OF CONSTRUCTION OF ALL INTERIOR AND EXTERIOR WALLS.
5. ITEMS NOT INCLUDED IN GENERAL CONTRACTOR'S CONTRACT ARE MARKED "N.I.C." (NOT IN CONTRACT) AND SHALL BE PERFORMED BY OWNER'S OWN FORCES OR OTHERS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. EXPOSED WASTE AND HOT WATER PIPING BELOW HANDICAPPED ACCESSIBLE COUNTERTOPS SHALL BE WRAPPED IN NEAT, WORKMANLIKE MANNER PER ALL APPLICABLE HANDICAPPED CODES. WRAPPING MATERIAL STYLE AND COLOR SHALL BE ARCHITECT APPROVED.
7. CONTRACTOR SHALL COMPLETE ALL INSULATION WORK AND CONTACT ARCHITECT TO RECEIVE FIELD APPROVAL PRIOR TO INSTALLATION OF INTERIOR FINISHES.
8. REFER TO SCHEDULES AND SPECIFICATIONS FOR ALL INTERIOR FINISHES.
9. ALL TOILET ACCESSORIES AND OTHER WALL MOUNTED FIXTURES AND APPURTENANCES SHALL RECEIVE SOLID WOOD BLOCKING AS REQ'D. FOR SECURE INSTALLATION.
10. IN CASE OF DIMENSIONAL DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS, CONTACT ARCHITECT FOR CLARIFICATION.
11. CONTRACTOR AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATION OF THEIR SPECIFIC TRADES. FAILURE TO FAMILIARIZE THEMSELVES WITH OTHER TRADES IN THE ENTIRE CONTRACT DOCUMENTS PACKAGE SHALL RESULT IN CORRECTING AND/OR PROVIDING THESE SERVICES AT NO ADDITIONAL COST TO THE OWNER.
12. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL UNDERSTAND THAT THESE DRAWINGS ARE PART OF THE CONTRACT DOCUMENTS AND ARE ALL INCLUSIVE AS AN ENTIRE PACKAGE AND ARE NOT TO BE BROKEN UP INTO SETS FOR DIFFERENT TRADES, INCLUDING, BUT NOT LIMITED TO MECHANICAL, PLUMBING, & ELECTRICAL.
13. ALL MASONRY UNITS THAT NEED TO BE ALTERED, SUCH AS PIPE SLEEVES, ELECTRICAL BOXES, ETC. SHALL BE IN ACCORDANCE WITH SPECIFICATIONS. CONTRACTOR SHALL NOT BREAK UNITS WITH HAMMERS OR OTHER LIKE INSTRUMENTS.

FLOOR PLAN KEYNOTES

100	FIRE EXTINGUISHER IN SEMI-RECESSED CABINET - SEE SPECIFICATIONS
125	COAT HOOK - SEE SPECIFICATIONS
151	MILLWORK - REFER TO INTERIOR ELEVATIONS
154	48"x48" ADJUSTABLE TACK BOARD
155	48"x48" ADJUSTABLE MARKER BOARD
157	48"x48" MARKER BOARD - MOUNT AT 2'-8" A.F.F.
158	48"x48" MARKER BOARD WITH MUSICAL STAVE - MOUNT BOTTOM AT 2'-3" A.F.F.
160	FLAT SCREEN TV, N.I.C.- SEE ELECTRICAL DRAWINGS
183	SPACE SAVER WASH STATION - SEE PLUMBING DRAWINGS
200	WIRE GRILL DOORS STORAGE CABINETS WITH ADJUSTABLE SHELVES - SEE SPECIFICATIONS
201	GUITAR STORAGE RACKS - SEE SPECIFICATIONS
202	CELLO STORAGE RACKS - SEE SPECIFICATIONS
203	PERCUSSION WORKSTATION



2ND FLOOR KEY MAP - AREA 'C'
SCALE: 1" = 80'-0"

2 A1.23

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JACOB STAFFORD THOMAS REGISTERED ARCHITECT DEPARTMENT OF AGRICULTURE COMMERCE No. 104781 STATE OF TENNESSEE

A NEW SCHOOL FACILITY:

HORACE MAYNARD MIDDLE SCHOOL

UNION COUNTY PUBLIC SCHOOLS

MAYNARDVILLE, TN

DATE: 03/15/2024
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SBC NO:

PROJECT REVISIONS

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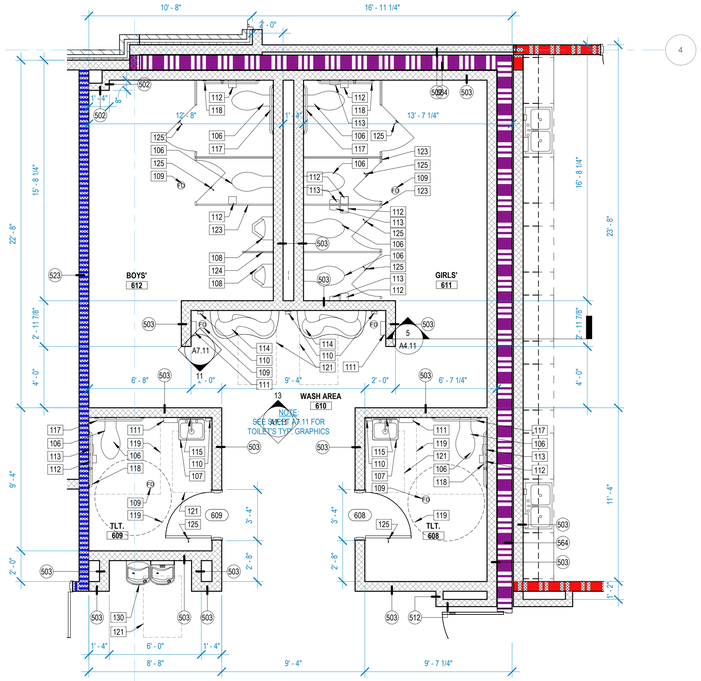
1	04/26/2024	R1-SFMO RD 1
3	05/31/2024	ADD 001
9	06/21/2024	ADD 007

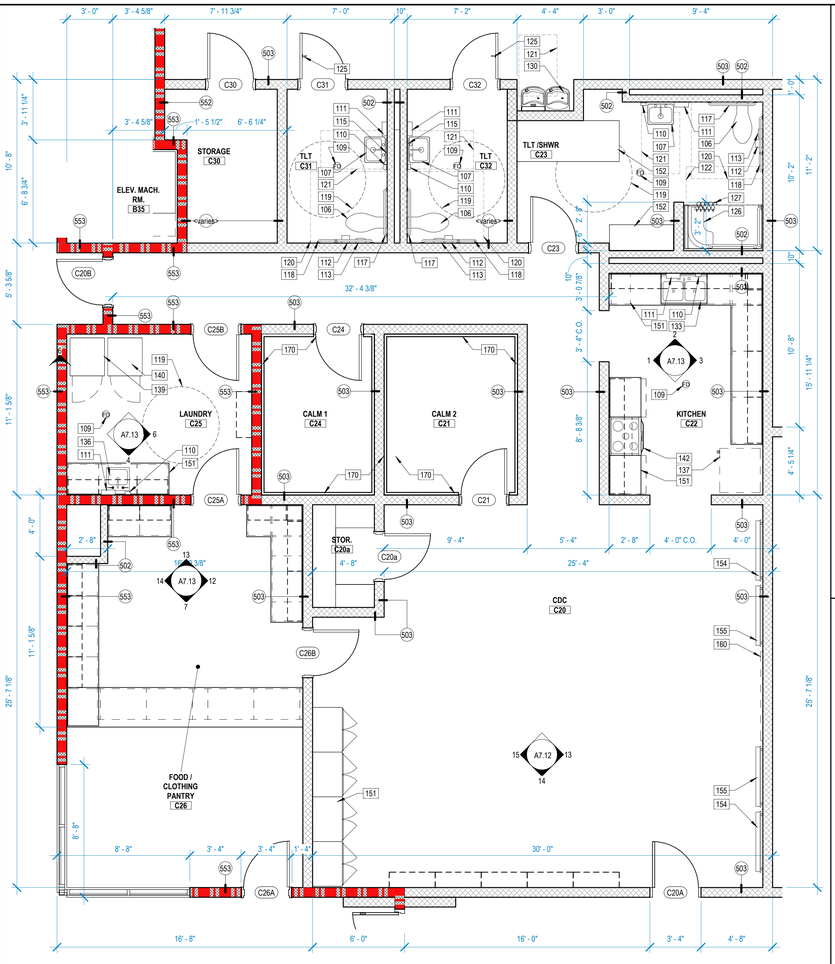
SECOND FLOOR PLAN - AREA 'C'

A1.23



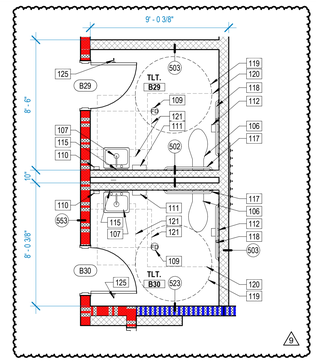
ENLARGED RESTROOM AREA FLOOR PLAN
SCALE: 1/4" = 1'-0"

8
A1.31



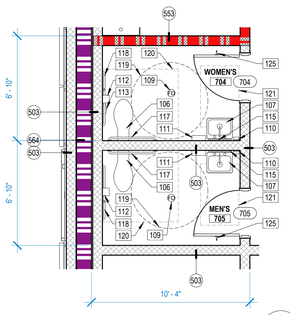
ENLARGED CDC AND RESTROOM FLOOR PLANS
SCALE: 1/4" = 1'-0"

7
A1.31



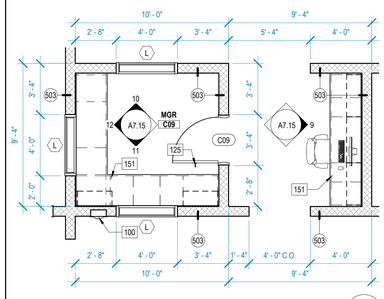
ENLARGED PLAN - TOILETS #B29 & B30
SCALE: 1/4" = 1'-0"

6
A1.31



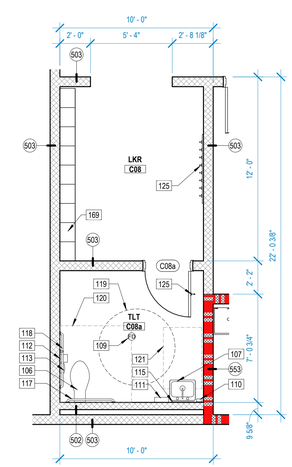
ENLARGED PLAN - TOILETS #704 & 705
SCALE: 1/4" = 1'-0"

5
A1.31



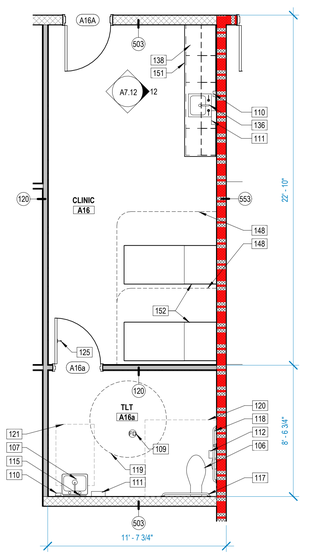
ENLARGED PLAN - MANAGER
SCALE: 1/4" = 1'-0"

4
A1.31



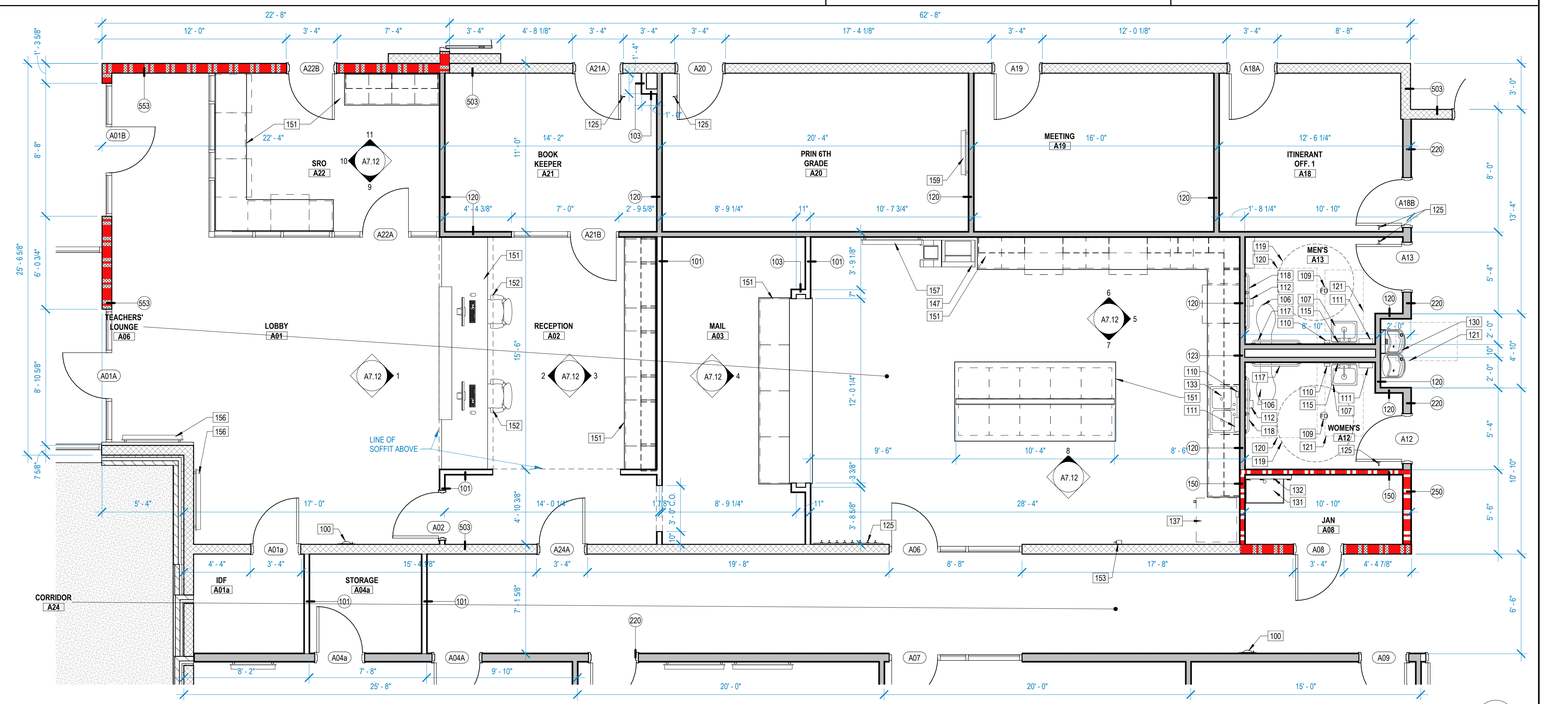
ENLARGED PLAN - STAFF RESTROOM
SCALE: 1/4" = 1'-0"

3
A1.31



ENLARGED PLAN - CLINIC AND RESTROOM
SCALE: 1/4" = 1'-0"

2
A1.31



ENLARGED PLAN - ADMININSTRATION
SCALE: 1/4" = 1'-0"

1
A1.31

FLOOR PLAN KEYNOTES

100	FIRE EXTINGUISHER IN SEMI-RECESSED CABINET - SEE SPECIFICATIONS
106	WATER CLOSET - SEE PLUMBING DRAWINGS
107	LAVATORY - SEE PLUMBING DRAWINGS
108	URINAL - SEE PLUMBING DRAWINGS
109	FLOOR DRAIN - SEE PLUMBING DRAWINGS
110	SOAP DISPENSER - O.F.C.I.
111	PAPER TOWEL DISPENSER - O.F.C.I.
112	TOILET PAPER DISPENSER - O.F.C.I.
113	SANITARY NAPKIN DISPOSAL - SEE SPECIFICATIONS
114	HANDWASHING STATION - SEE PLUMBING DRAWINGS
115	18"x24" MIRROR - SEE SPECIFICATIONS
117	36" LONG HORIZONTAL GRAB BAR
118	42" LONG HORIZONTAL GRAB BAR AND 18" LONG VERTICAL GRAB BAR
119	60" DIAMETER ACCESSIBLE FLOOR AREA
120	60"x56" CLEAR FLOOR AREA AT WATER CLOSET
121	30"x48" ACCESSIBLE FLOOR AREA
122	30"x60" CLEAR FLOOR AREA AT SHOWER
123	TOILET PARTITIONS - SEE SPECIFICATIONS
124	URINAL SCREEN - SEE SPECIFICATIONS
125	COAT HOOK - SEE SPECIFICATIONS
126	PRE-MAN FIBERGLASS HANDICAPPED SHOWER UNIT WITH HANDICAP FOLDING SEAT, WALL MOUNTED HANDHELD SHOWER, 24"x36" LONG CONTINUOUS HORIZONTAL GRAB BAR, 18" VERTICAL GRAB BAR, AND ALL OTHER ACCESSORIES - SEE PLUMBING DRAWINGS
127	SHOWER CURTAIN AND ROD
130	ELECTRIC WATER COOLER - SEE PLUMBING DRAWINGS
131	MOP SINK - SEE PLUMBING DRAWINGS - PROVIDE 48" HIGH WALL PROTECTION AT SIDE AND REAR WALL
132	WALL-MOUNTED BROOM / MOP HOLDER - SEE SPECIFICATIONS
133	DOUBLE COMBINATION SINK - SEE PLUMBING DRAWINGS
136	SINGLE BOWL SINK - SEE PLUMBING DRAWINGS
137	REFRIGERATOR - N.I.C. - STUB FOR ICE MAKER WHERE OCCURS - SEE PLUMBING/ELECTRICAL DRAWINGS
138	UNDERCOUNTER REFRIGERATOR - N.I.C. - SEE ELECTRICAL DRAWINGS
139	CLOTHES WASHER - SEE PLUMBING/ELECTRICAL DRAWINGS - N.I.C.
140	ELECTRIC CLOTHES DRYER - SEE ELECTRICAL DRAWINGS - N.I.C.
142	ELECTRIC RANGE, N.I.C. - SEE ELECTRICAL DRAWINGS
147	COPIER - N.I.C.
148	PRIVACY CURTAIN & RAIL
151	MILLWORK - REFER TO INTERIOR ELEVATIONS
152	FURNISHINGS - N.I.C.
153	PENCIL SHARPENER - SEE DETAIL 6/A7.23
154	48"x48" ADJUSTABLE TACK BOARD
155	48"x48" ADJUSTABLE MARKER BOARD
156	48"x48" TACK BOARD - MOUNT AT 2'-8" A.F.F.
157	48"x48" MARKER BOARD - MOUNT AT 2'-8" A.F.F.
159	36"x20" TACK BOARD, MOUNT ABOVE DESK - VERIFY LOCATION WITH USER
160	FLAT SCREEN TV, N.I.C.- SEE ELECTRICAL DRAWINGS
169	METAL LOCKERS - SEE SPECIFICATIONS
170	WALL-MOUNTED PROTECTION MATS - SEE SPECIFICATIONS

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JACOB STAFFORD THOMAS
REGISTERED ARCHITECT
AGRICULTURE
COMMERCE
No. 104781
STATE OF TENNESSEE

A NEW SCHOOL FACILITY:
HORACE MAYNARD MIDDLE SCHOOL
UNION COUNTY PUBLIC SCHOOLS
MAYNARDVILLE, TN

DATE: 03/15/2024
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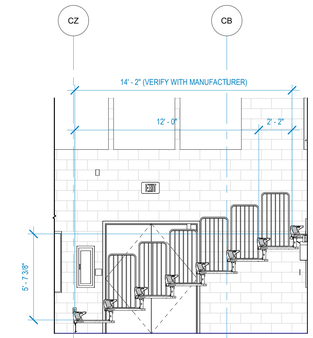
SBC NO:

PROJECT REVISIONS

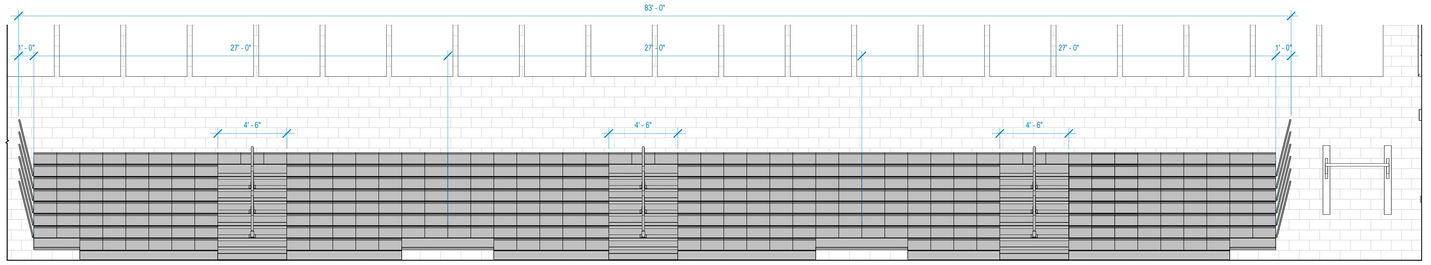
#	DATE	DESCRIPTION
3	05/31/2024	ADD 001
9	06/21/2024	ADD 007

ENLARGED ROOM PLANS - AREAS 'A' & 'B'

A1.31

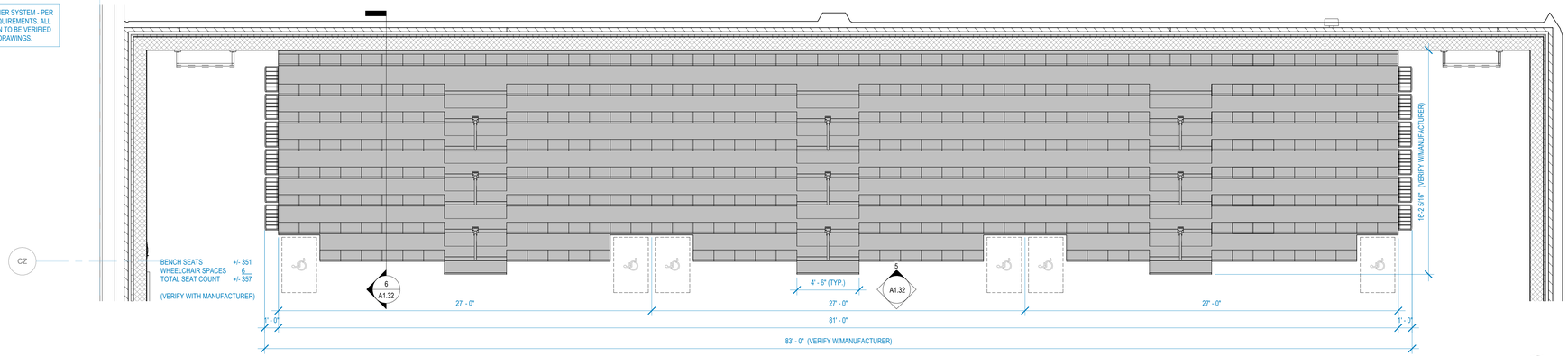


RETRACTABLE BLEACHER SYSTEM - SECTION 6 A1.32
SCALE: 1/4" = 1'-0"

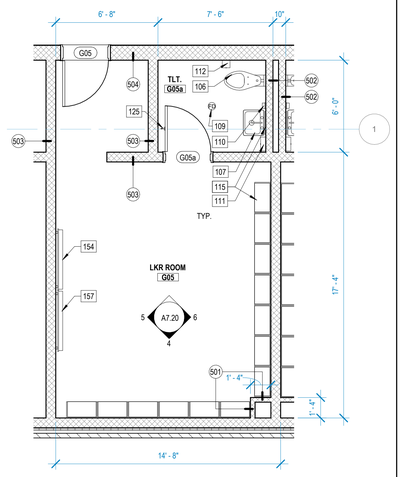


RETRACTABLE BLEACHER SYSTEM - FRONT ELEVATION 5 A1.32
SCALE: 1/4" = 1'-0"

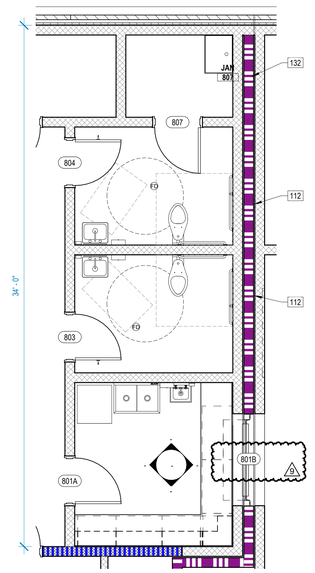
RETRACTABLE BLEACHER SYSTEM - PER MANUFACTURER'S REQUIREMENTS. ALL NOTES AND DIMENSION TO BE VERIFIED W/ MANUFACTURER'S DRAWINGS.



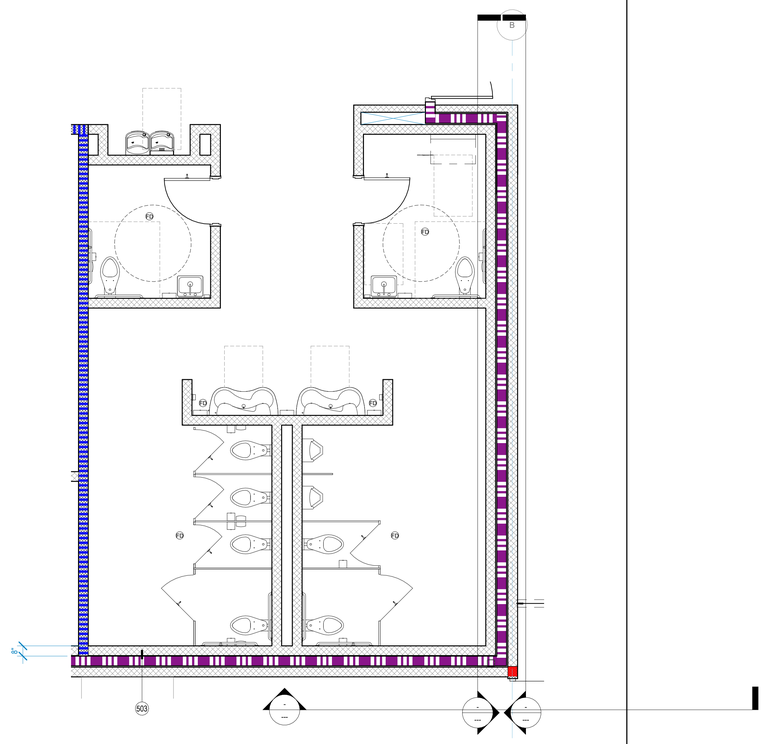
RETRACTABLE BLEACHER SYSTEM - ENLARGED PLAN 4 A1.32
SCALE: 1/4" = 1'-0"



ENLARGED PLAN - LOCKER ROOM #G05 3 A1.32
SCALE: 1/4" = 1'-0"



ENLARGED PLAN - RMs #801, 803, 804 & 807 2 A1.32
SCALE: 1/4" = 1'-0"



ENLARGED PLAN - TOILET #810 1 A1.32
SCALE: 1/4" = 1'-0"

FLOOR PLAN KEYNOTES

106	WATER CLOSET - SEE PLUMBING DRAWINGS
107	LAVATORY - SEE PLUMBING DRAWINGS
109	FLOOR DRAIN - SEE PLUMBING DRAWINGS
110	SOAP DISPENSER - O.F.C.I.
111	PAPER TOWEL DISPENSER - O.F.C.I.
112	TOILET PAPER DISPENSER - O.F.C.I.
115	18"x24" MIRROR - SEE SPECIFICATIONS
125	COAT HOOK - SEE SPECIFICATIONS
132	WALL-MOUNTED BROOM / MOP HOLDER - SEE SPECIFICATIONS
154	48"x48" ADJUSTABLE TACK BOARD
157	48"x48" MARKER BOARD - MOUNT AT 2'-8" A.F.F.
179	SPORTS LOCKERS

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UNION COUNTY PUBLIC SCHOOLS
MAYNARDVILLE, TN

DATE: 03/15/2024
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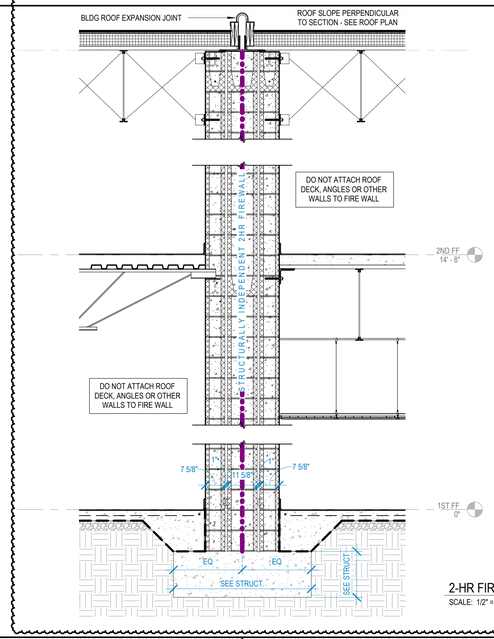
SBC NO:

PROJECT REVISIONS

#	DATE	DESCRIPTION
9	06/21/2024	ADD 007

ENLARGED ROOM PLANS - AREA 'E'

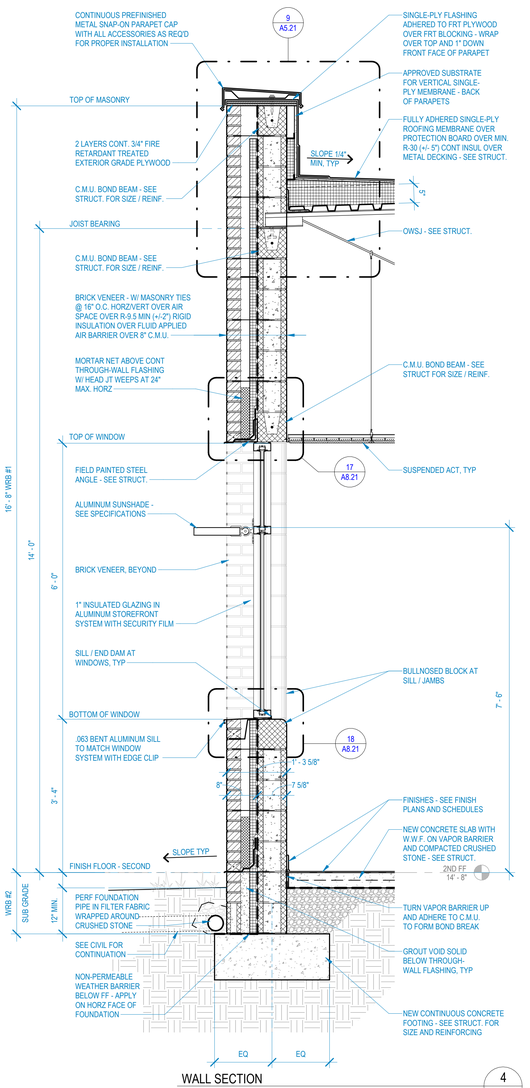
A1.32



2-HR FIRE WALL DETAIL

SCALE: 1/2" = 1'-0"

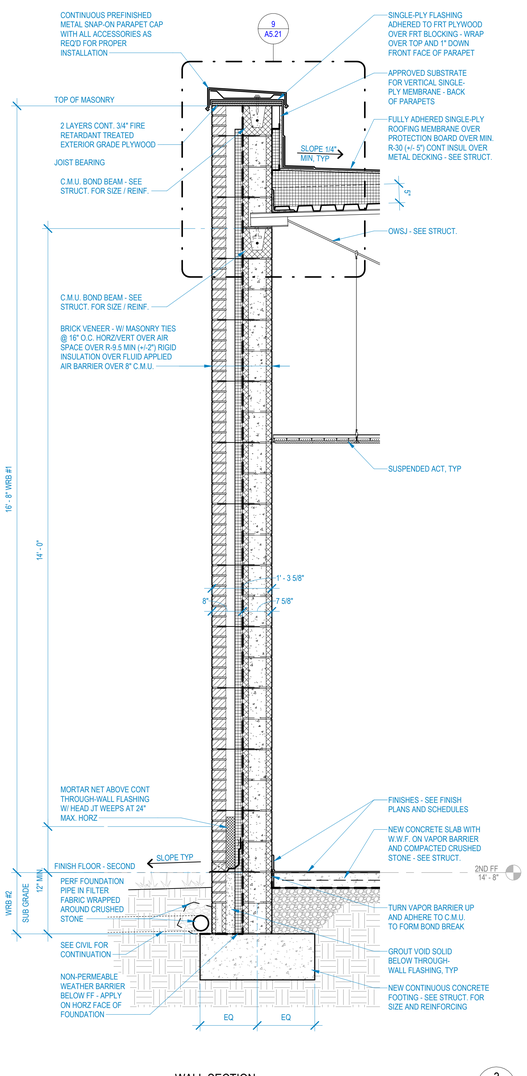
5 A4.11



WALL SECTION

SCALE: 3/4" = 1'-0"

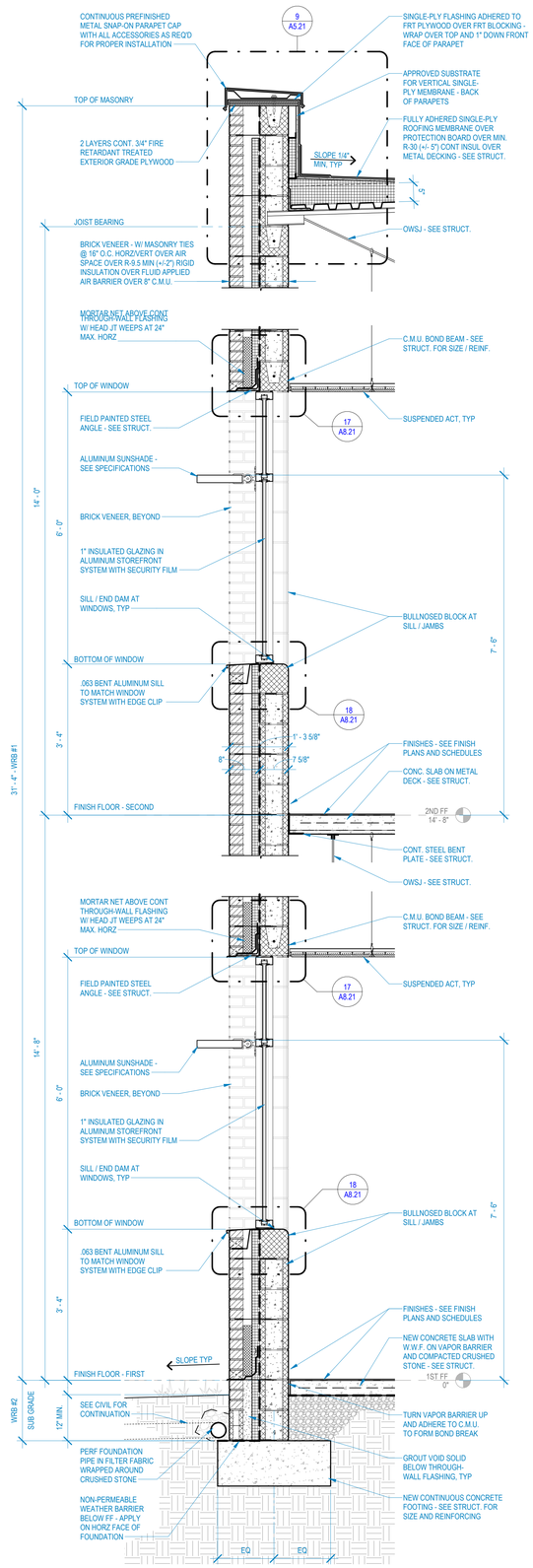
4 A4.11



WALL SECTION

SCALE: 3/4" = 1'-0"

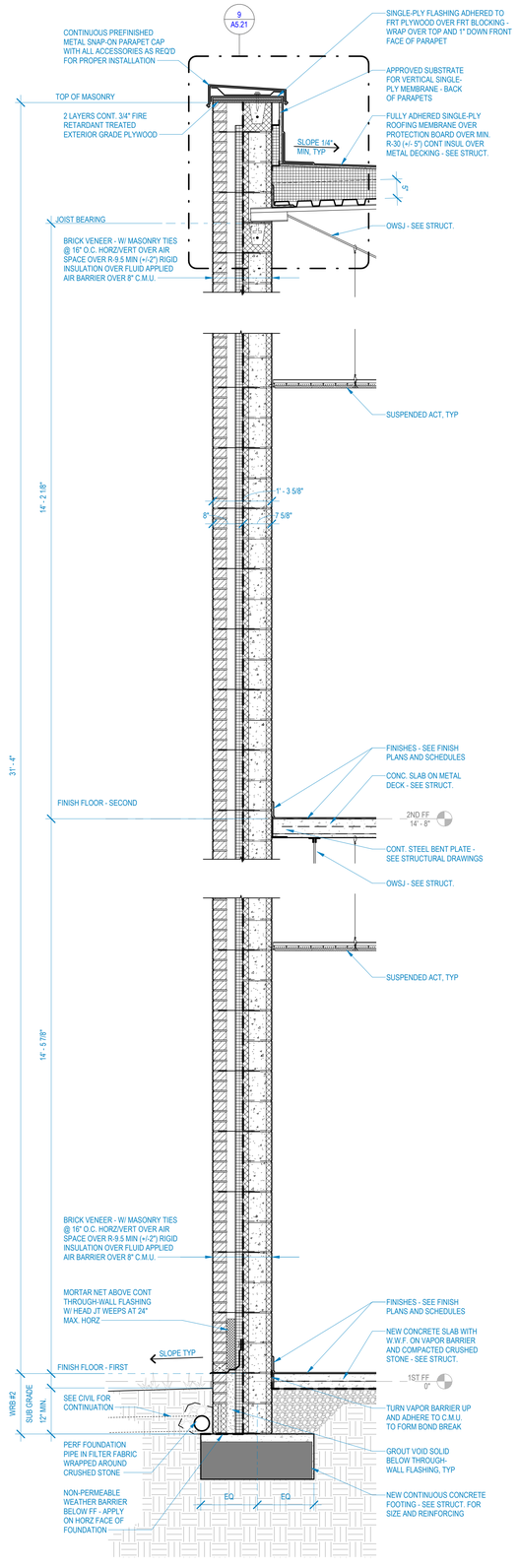
3 A4.11



WALL SECTION

SCALE: 3/4" = 1'-0"

2 A4.11



WALL SECTION

SCALE: 3/4" = 1'-0"

1 A4.11

LEWIS GROUP ARCHITECTS
| KNOXVILLE, TN | 6512 DEANE HILL DR. 37919 - PH. 865.584.5000 | CLEVELAND, TN | 63 OCOEE ST. 37311 - PH. 423.476.0012
info@lewisgroup.net | www.lewisgroup.net

JACOB STAFFORD THOMAS REGISTERED ARCHITECT AGRICULTURE COMMERCE No. 104781 STATE OF TENNESSEE

A NEW SCHOOL FACILITY:

HORACE MAYNARD MIDDLE SCHOOL

UNION COUNTY PUBLIC SCHOOLS

MAYNARDVILLE, TN

DATE: 03/15/2024
PROJECT NO: 21074
SBC NO:

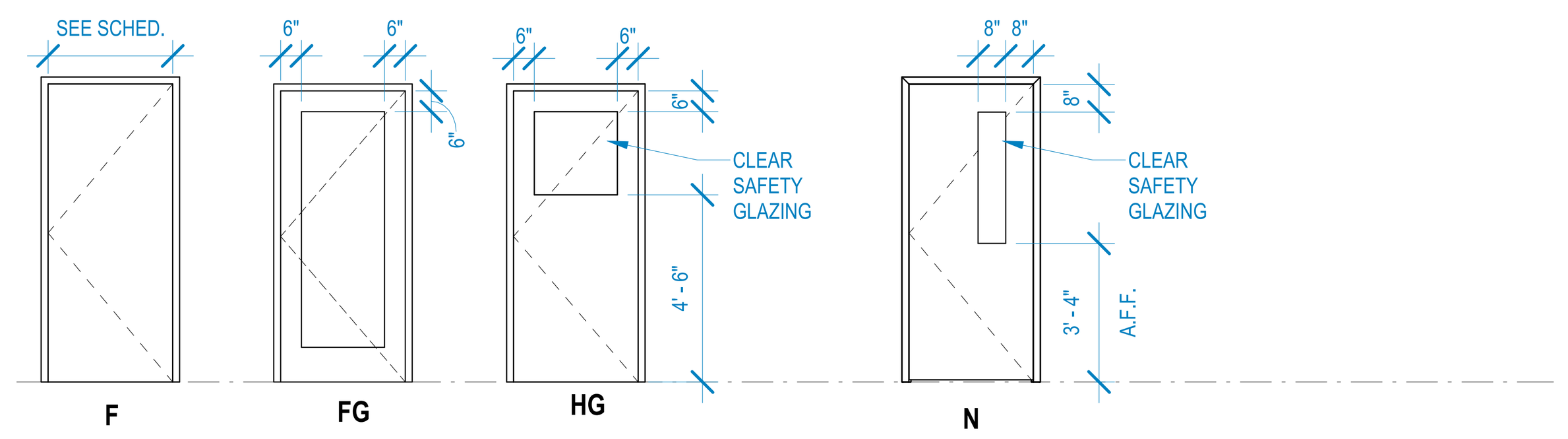
PROJECT REVISIONS

#	DATE	DESCRIPTION
9	06/21/2024	ADD 007

WALL SECTIONS - CLASSROOM WINGS

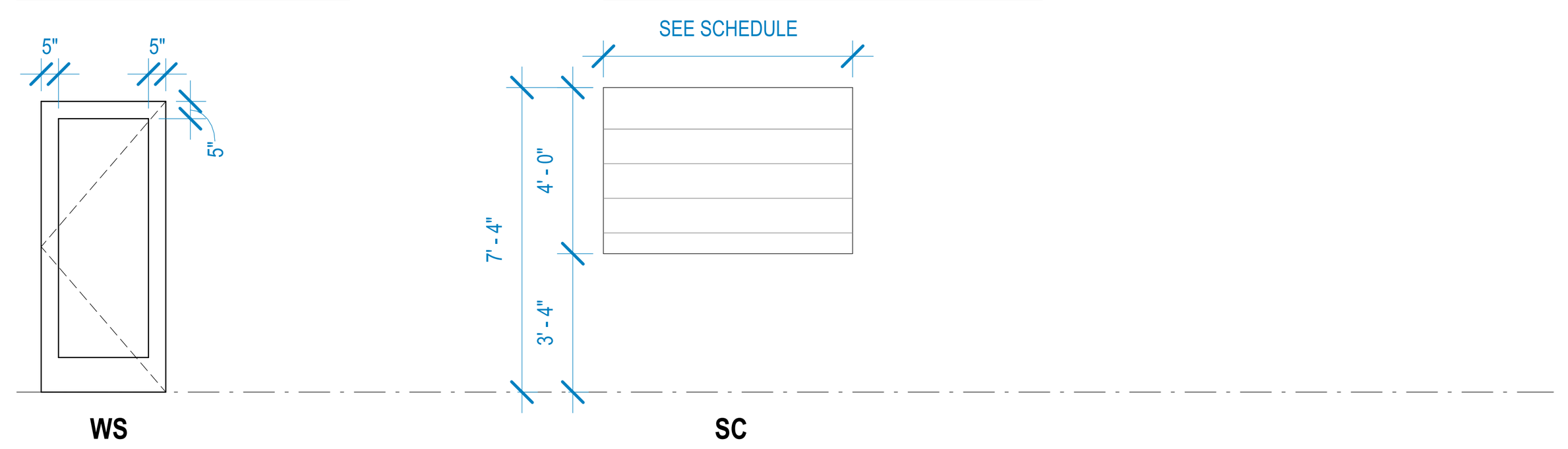
A4.11

WOOD AND HOLLOW METAL DOORS



ALUMINUM DOORS

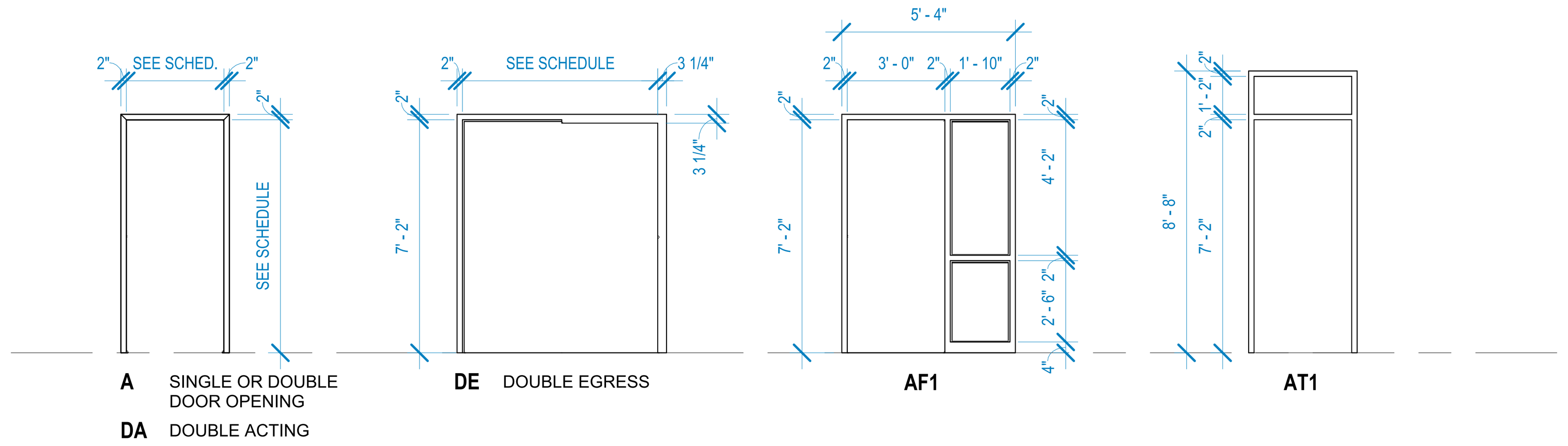
STAINLESS STEEL DOOR



DOOR TYPES
SCALE: 1/4" = 1'-0"

HOLLOW METAL FRAMES

SEE DOOR SCHEDULE ON SHEET A8.01 FOR DOOR OPENING SIZES AND HEAD / JAMB DETAIL DESIGNATIONS.
REFER TO FRAME PROFILE DETAILS FOR FRAME WIDTH DIMENSIONS.



STOREFRONT FRAMES

SEE DOOR SCHEDULE FOR DOOR OPENING SIZES AND HEAD / JAMB DETAIL DESIGNATIONS.
FRAME TYPE ELEVATIONS SHOW GLASS OPENING DIMENSIONS AND INTERMEDIATE MULLION WIDTHS ONLY;
REFER TO FRAME PROFILE DETAILS FOR FRAME WIDTH DIMENSIONS.

REFER TO GLAZING ELEVATIONS ON SHEETS A8.12 AND A8.13

DOOR FRAME TYPES
SCALE: 1/4" = 1'-0"

WINDOW & STOREFRONT NOTES

1. ALL GLASS TO BE TEMPERED.

2. NOTE: MP METAL PANEL

3. ENTRY- RESISTANT FILM:
INSTALL CLEAR, ENTRY-RESISTANT FILM ON GLASS PANELS OF EACH EXTERIOR ENTRY OR BASEMENT LEVEL WINDOW AND DOOR TO PREVENT BREAK-INS BY INTRUDERS. REFER TO THE STATE OF TENNESSEE, PUBLIC CHAPTER NO. 367, HOUSE BILL NO.322, SECTION 12, TENNEESSEE CODE ANNOTATED 49-6-818.

4. ALL WINDOWS IN 1-HR RATED FIRE WALLS SURROUNDING ATRIUM TO BE INSTALLED IN GASKETED FRAME

GENERAL DOOR NOTES

1. ALL DOORS ARE 1 3/4" THICKNESS, UNLESS OTHERWISE NOTED.
2. ALL WOOD DOORS ARE SOLID CORE UNLESS OTHERWISE INDICATED.
3. ALL INTERIOR GLASS IS 1/4" AND ALL INSULATED GLASS IS 1" UNLESS OTHERWISE INDICATED.
4. ALL EXTERIOR HOLLOW METAL DOORS ARE INSULATED.
5. REFER TO SPECIFICATION SECTION 08 71 00 "DOOR HARDWARE" FOR HARDWARE SET DESCRIPTIONS.
6. REFER TO DOOR AND FRAME TYPES, SHEETS A8.3 & A8.4 FOR FRAME PROFILES.
7. ALL DOORS TO HAVE STANDARD 5/16" UNDERCUT UNLESS OTHERWISE INDICATED OR REQUIRED TO RECIEVE SCHEDULED THRESHOLD.

DOOR TYPE DESIGNATIONS

N1
- DOOR TYPE SUB-LETTER (USED FOR VARIATIONS OF THE SAME TYPE)
- DOOR TYPE

OH OVERHEAD COILING COUNTER DOOR
F FLUSH
FG FULL GLASS
HG HALF GLASS
N NARROW LITE
WS WIDE STILE (ALUMINUM)

FRAME TYPE DESIGNATIONS

AS2A
- FRAME TYPE SUB-LETTER (USED FOR VARIATIONS OF THE SAME TYPE)
- NUMBER OF OPENINGS OR LITES
- FRAME TYPE

A DOOR FRAME
AF DOOR FRAME WITH FULL HEIGHT SIDELITE
AT DOOR FRAME WITH TRANSOM
ATF DOOR FRAME WITH TRANSOM AND FULL HT. SIDELITE
DA DOUBLE ACTING DOOR
DE DOUBLE EGRESS FRAME

DOOR / FRAME MATERIAL

AL ALUMINUM
HM HOLLOW METAL
SS STAINLESS STEEL
WD WOOD, WOOD VENEER

DOOR SCHEDULE

MARK	SIZE (W x H)	DOOR		FRAME		HEAD	JAMB	THRESHOLD	LABEL	HDWR SET	COAT HOOK	REMARKS
		TYPE	MATERIAL	TYPE	MATERIAL							
800G	36" DOOR OPENING	101HHH										
ANCILLARY STRUCTURE												
AS-101	3'-0" x 7'-2"	F	HM	A	HM					41	No	SEE 1/AS1.15, EXTERIOR
AS-102	3'-0" x 7'-2"	F	HM	A	HM					41	No	SEE 1/AS1.15, EXTERIOR
AREA 'A'												
A01A	3'-0" x 7'-10".	FG	HM	SEE REMARKS	HM			-	45	11	No	SEE 9/A8.12
A01a	3'-0" x 7'-2"	F	WD	A	HM			-		27	No	
A01B	3'-0" x 7'-10".	FG	HM	SEE REMARKS	HM			-	45	11	No	SEE 9/A8.12
A02	3'-0" x 7'-2"	N	WD	A	HM					24	No	
A04A	3'-0" x 7'-2"	N	WD	A	HM					24.01	No	
A04a	3'-0" x 7'-2"	F	WD	A	HM					27	No	
A05A	3'-0" x 7'-2"	N	WD	A	HM					24.01	No	
A05B	3'-0" x 7'-2"	N	WD	A	HM					24	No	
A06	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM					26	No	SEE 13/A8.12
A07	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM					26	No	SEE 14/A8.12
A08	3'-0" x 7'-2"	F	WD	A	HM				45	28	No	
A09	3'-0" x 7'-2"	N	WD	A	HM					24.01	Yes	
A10	3'-0" x 7'-2"	F	WD	A	HM			-		28	No	
A11A	6'-0" x 7'-2"	F	WD	A	HM					30	No	
A11a	3'-0" x7'-2"	F	HM	A	HM					28.2	No	EXTERIOR
A11B	3'-0" x7'-2"	F	WD	A	HM					28	No	
A12	3'-0" x 7'-2"	F	WD	A	HM					25	Yes	
A13	3'-0" x 7'-2"	F	WD	A	HM					25	Yes	
A14	3'-0" x 7'-2"	F	WD	A	HM					28	No	
A15A	3'-0" x 7'-2"	F	WD	A	HM				60	19	No	
A15B	7'-0" x 7'-2"	F	HM	A	HM					5	No	EXTERIOR
A16A	3'-0" x 7'-2"	N	WD	A	HM					24	No	
A16a	3'-0" x 7'-2"	F	WD	A	HM					25	Yes	
A17	3'-0" x 7'-2"	F	WD	A	HM					28	No	
A18A	3'-0" x 7'-2"	N	WD	A	HM					24	No	
A18B	3'-0" x 7'-2"	F	WD	A	HM					24.01	Yes	
A19	3'-0" x 7'-2"	N	WD	A	HM					24	No	
A20	3'-0" x 7'-2"	N	WD	A	HM					24	Yes	
A21A	3'-0" x 7'-2"	N	WD	A	HM					24	No	
A21B	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM					24	No	12/A8.12
A22A	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM					36	No	10/A8.12
A22B	3'-0" x 7'-2"	N	WD	A	HM				45	24	No	
A23A	PR 3'-0"x7'-2"	N	WD	DE	HM				45	17	No	
A23B	PR 3'-0" x 7'-2"	FG	HM	A	HM					5	No	EXTERIOR
A24A	3'-0" x 7'-2"	N	WD	A	HM					24	No	
A24B	3'-0" x 7'-2"	N	WD	A	HM					24	No	
B01A	6'-0" x 7'-10"	WS	AL	A	AL					1	No	SEE 7/A8.12, EXTERIOR
B01B	6'-0" x 7'-10"	WS	AL	A	AL					1	No	SEE 7/A8.12, EXTERIOR
B01C	6'-0" x 7'-10"	WS	AL	A	AL					8	No	SEE 8/A8.12
B01D	6'-0" x 7'-10"	WS	AL	A	AL					9	No	SEE 8/A8.12
B35	3'-6" x 7'-2"	F	WD	A	HM				45	28	No	
C01A	6'-0" x 7'-10"	FG	WD	SEE REMARKS	HM					10	No	SEE 17/A8.12
C01B	6'-0" x 7'-10"	FG	WD	SEE REMARKS	HM					10	No	SEE 17/A8.12
C01C	3'-0" x 7'-10"	WS	AL	SEE REMARKS	AL					10	No	SEE 19/A8.12, EXTERIOR
C01D	3'-0" x 7'-2"	WS	AL	SEE REMARKS	AL					10	No	SEE 19/A8.12, EXTERIOR
C02	6'-0" x 7'-2"	F	WD	A	HM				45	39	No	
C03	6'-0" x 7'-2"	F	WD	A	HM					30	No	
C05A	6'-0" x 7'-2"	F	WD	A	HM					30	No	
C05B	6'-0" x 7'-2"	F	WD	A	HM					30	No	
C06A	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM					37	No	SEE 18/A8.12
C06B	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM					37	No	SEE 18/A8.12
C06C	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM					37	No	SEE 18/A8.12
C06D	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM					37	No	SEE 18/A8.12
C07A	3'-0" x 7'-2"	N	WD	DA	HM					29.01	No	
C07B	3'-0" x 7'-2"	N	WD	DA	HM					29.01	No	
C07C	3'-0" x 7'-2"	N	WD	DA	HM					29.01	No	
C08a	3'-0" x 7'-2"	F	WD	A	HM					25	Yes	
C09	3'-0" x 7'-2"	F	WD	A	HM					24	Yes	
C10A	3'-0" x 7'-2"	F	WD	A	HM					29	No	
C10B	6' x 4'	SC	STL	-	-					-	No	SEE MANUFACTURER'S SPEC
C11	3'-0" x 7'-2"	F	WD	A	HM					27	No	
C12A	3'-0" x 7'-2"	F	WD	A	HM					27	No	
C12B	3'-0" x 7'-2"	F	WD	A	HM				45	28	No	
C13	3'-0" x 7'-2"	F	WD	A	HM					27	No	
C14	6'-0" x 7'-2"	F	WD	A	HM				45	39	No	
C15	6'-0" x 7'-2"	F	HM	A	HM			-		6	No	EXTERIOR
C20A	3'-0"x7'-2"	FG	WD	A	HM					24	No	
C20a	3'-0" x 7'-2"	F	WD	A	HM					27	No	
C20B	3'-0" x 7'-2"	N	WD	A	HM				45	28	No	
C21	3'-0" x 7'-2"	N	WD	A	HM					27	No	
C23	3'-0" x 7'-2"	F	WD	A	HM					25	Yes	
C24	3'-0" x 7'-2"	N	WD	A	HM					26	No	
C25A	3'-0" x 7'-2"	F	WD	A	HM				45	20	No	
C25B	3'-0" x 7'-2"	F	WD	A	HM				45	20	No	
C26A	3'-0" x 7'-2"	N	WD	A	HM				45	36	No	
C26B	3'-0" x 7'-2"	F	HM	A	HM					24	No	
C30	3'-0" x 7'-2"	F	WD	A	HM					27	No	
C31	3'-0" x 7'-2"	F	WD	A	HM					25.01	Yes	
C32	3'-0" x 7'-2"	F	WD	A	HM					25.01	Yes	
AREA 'B'												
600A	3'-0" x 7'-2"	F	WD	A	HM				45	20.1	No	
601A	3'-0" x 7'-2"	F	WD	A	HM				45	12	No	
601B	3'-0" x 7'-2"	F	WD	A	HM				45	12	No	
602	3'-0" x 7'-2"	N	WD	A	HM				45	24	No	
603	3'-0" x 7'-2"	F	WD	A	HM				45	28	No	
604	3'-0" x 7'-2"	F	WD	A	HM				0	25	Yes	
605	3'-0" x 7'-2"	F	WD	A	HM				0	25	Yes	
606	3'-0" x 7'-2"	F	WD	A	HM					28	No	
607	3'-0" x 7'-2"	F	WD	A	HM				0	28	No	
608	3'-0" x 7'-2"	F	WD	A	HM					25.01	Yes	
609	3'-0" x 7'-2"	F	WD	A	HM				0	25.01	Yes	
613A	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
614A	3'-0" x 7'-2"	F	WD	A	HM				20	21	No	
615A	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
616A	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
617A	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
618A	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
619A	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
620A	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
621A	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
622A	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
623A	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
624A	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
625A	PR 4'-0" x 7'-2"	N	HM	A	HM				60	16	No	
625B	PR 4'-0" x 7'-2"	N	HM	A	HM			-		5	No	EXTERIOR
626	PR 4'-0"x7'-2"	N	WD	DE	HM				90	17	No	
B02A	PR 3'-0" x 7'-2"	N	WD	A	HM				45	38	No	
B02B	3'-0" x 7'-10"	WS	AL	SEE REMARKS	AL					4	No	SEE 1/A8.13, EXTERIOR
B02C	3'-0" x7'-2"	F	WD	A	HM					27	No	
B03	6'-0" x 8'-0"	WS	AL	SEE REMARKS	AL			-		1	No	SEE 1/A8.13, EXTERIOR
AREA 'C'												
700A	3'-0" x 7'-2"	F	WD	A	HM				45	20.1	No	
701A	3'-0" x 7'-2"	N	WD	A	HM				45	24	No	
701B	3'-0" x 7'-2"	F	WD	A	HM					27	No	
702	3'-0" x 7'-2"	N	WD	A	HM				45	24	No	
703	3'-0" x 7'-2"	F	WD	A	HM				45	28	No	
704	3'-0" x 7'-2"	F	WD	A	HM				0	25	Yes	
705	3'-0" x 7'-2"	F	WD	A	HM				0	25	Yes	
707A	3'-0" x 7'-2"	F	WD	A	HM				0	28	No	
707B	3'-0" x 7'-2"	F	WD	A	HM					28	No	
B21D	3'-0" x 7'-2"	F	WD	A	HM				0	27	No	
B22	3'-0" x 7'-2"	N	WD	A	HM				45	24	No	
B23	3'-0" x 7'-2"	N	WD	A	HM				45	24	No	
B24	3'-0" x 7'-2"	N	WD	A	HM				45	24	No	
B25	3'-0" x 7'-2"	N	WD	A	HM				45	24	No	
B26	3'-0" x 7'-2"	N	WD	A	HM				45	24	No	
B27A	3'-0" x 7'-2"	F	WD	A	HM				45	28	No	
B27B	3'-0" x7'-2"	F	HM	A	HM					28	No	EXTERIOR
B28	3'-0" x 7'-2"	F	WD	A	HM				45	28	No	
B29	3'-0" x 7'-2"	F	WD	A	HM				0	25.01	Yes	
B30	3'-0" x 7'-2"	F	WD	A	HM				0	25.01	Yes	
B32A	3'-0" x 8'-2"	FG	WD	SEE REMARKS	HM					12.01	No	SEE 7/A8.13
D01	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
D02a	3'-0" x 7'-2"	F	WD	A	HM					27	No	
D02B	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
D02C	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
D03	3'-0" x 7'-2"	F	WD	A	HM				20	21	No	
D04a	3'-0" x 7'-2"	F	WD	A	HM					27	No	
D04B	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
D04C	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	

DOOR SCHEDULE

MARK	SIZE (W x H)	DOOR		FRAME		HEAD	JAMB	THRESHOLD	LABEL	HDWR SET	COAT HOOK	REMARKS
		TYPE	MATERIAL	TYPE	MATERIAL							
D05A	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM					36	No	SEE 6/A8.13
D05B	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM					36	No	SEE 6/A8.13 (SIMILAR)
D06A	PR 3'-0" x 7'-2"	N	WD	A	HM				20	23	No	
D06B	PR 3'-0" x 7'-2"	N	WD	A	HM					31	No	
D07A	PR 3'-0" x 7'-2"	N	WD	A	HM				20	23	No	
D07a	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM			-		13	No	SEE 5/A8.13
D07B	3'-0" x 7'-2"	F	WD	A	HM				20	15	No	
D07b	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM			-		13	No	SEE 5/A8.13 (SIMILAR)
D07c	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM			-		13	No	SEE 5/A8.13 (SIMILAR)
D08	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
D09	PR 3'-0"x7'-2"	N	WD	DE	HM				45	17	No	
D09a	PR 3'-6" x 7'-2"	N	WD	A	HM				60	16	No	
AREA 'D'												
708	3'-0" x 7'-2"	F	WD	A	HM					25.01	Yes	
709	3'-0" x 7'-2"	F	WD	A	HM					25.01	Yes	
713	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
714	3'-0" x 7'-2"	F	WD	A	HM				20	20	No	
715	3'-0" x 7'-2"	N	WD	A	HM				20	20	No	
716	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
717	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
718	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
719	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
720	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
721	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
722	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
723	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
724	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
725	PR 3'-6" x 7'-2"	N	WD	A	HM				60	16	No	
726	PR 4'-0"x7'-2"	N	WD	DE	HM				90	17	No	
B21A	3'-0" x 7'-10".	FG	WD	SEE REMARKS	HM				45	36	No	SEE 2/A8.13
B21a	3'-0" x 7'-10".	FG	WD	SEE REMARKS	HM				45	36	No	SEE 2/A8.13
B21B	3'-0" x 7'-10"..	WS	AL	A	AL					2	No	
B21b	3'-0" x 7'-2"	F	WD	A	HM					12.01	No	
B21c	3'-0" x 7'-2"	F	WD	A	HM					12.01	No	
B21E	3'-0" x 7'-2".	FG	WD	SEE REMARKS	HM				0	13	No	SEE 10/A8.13
AREA 'E'												
800A	PR 4'-0"x7'-2"	N	WD	DE	HM				90	17	No	
800B	3'-0" x 7'-2"	F	WD	A	HM				20	20.1	No	
801A	3'-0" x 7'-2"	F	WD	A	HM				0	24	No	
801B	6'-0" x 3'-4"	OHCD							60			COUNTER COILING DOOR
802	3'-0" x 7'-2"	N	WD	A	HM				20	28	No	
803	3'-0" x 7'-2"	F	WD	A	HM				0	25	Yes	
804	3'-0" x 7'-2"	F	WD	A	HM				0	25	Yes	
805	3'-0" x 7'-2"	F	WD	A	HM				0	28	No	
806	3'-0" x 7'-2"	F	WD	A	HM				0	28.01	No	
807	3'-0" x 7'-2"	F	WD	A	HM				0	27	No	
808	3'-0" x 7'-2"	F	WD	A	HM				0	25.01	Yes	
809	3'-0" x 7'-2"	F	WD	A	HM				0	25.01	Yes	
813aa	3'-0" x 7'-2"	N	WD	A	HM					24	No	
813ab	3'-0" x 7'-2"	N	WD	A	HM				90	18	No	
826A	PR 4'-0"x7'-2"	N	WD	DE	HM				0	17	No	
B20A	6'-0" x 7'-10"_	WS	AL	SEE REMARKS	AL			-		1	No	SEE 8/A8.13
B20B	6'-0" x 7'-10"_	WS	AL	SEE REMARKS	AL			-		1	No	SEE 8/A8.13
B31A	6'-0" x 7'-10"_	WS	AL	SEE REMARKS	AL					14	No	SEE 9/A8.13
B31B	6'-0" x 7'-10"_	WS	AL	SEE REMARKS	AL					14	No	SEE 9/A8.13
G01A	PR 3'-0" x 7'-2"	N	WD	A	HM				45	32	No	
G01B	PR 3'-0" x 7'-2"	N	WD	A	HM				45	32	No	
G01C	6'-0" x 7'-2"	F	HM	A	HM			-		5	No	EXTERIOR
G01D	6'-0" x 7'-2"	F	HM	A	HM			-		5	No	EXTERIOR
G01E	6'-0" x 7'-2"	F	HM	A	HM					5	No	EXTERIOR
G02	3'-0" x 7'-2"	N	WD	A	HM					24	No	
G03	3'-0" x 7'-2" 2	F	WD	A	HM					33	No	
G04	3'-0" x 7'-2" 2	F	WD	A	HM					28	No	
G05	3'-0" x 7'-2"	F	WD	A	HM					33	No	
G05a	3'-0" x 7'-2"	F	WD	A	HM					25	No	
G06	3'-0" x 7'-2"	F	WD	A	HM					33	No	
G06a	3'-0" x 7'-2"	F	WD	A	HM					25	No	
G07	3'-0" x 7'-2"	F	WD	A	HM					33	No	
G07a	3'-0" x 7'-2"	F	WD	A	HM					25	No	
G08	3'-0" x 7'-2"	F	WD	A	HM					33	No	
G08a	3'-0" x 7'-2"	F	WD	A	HM					25	No	
G09	6'-0" x 7'-2"	F	WD	A	HM					30	No	
X02	6'-0" x 7'-2"	F	HM	A	HM			-		3	No	EXTERIOR
AREA 'F'												
813	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
814	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
815	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
816	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
818	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
819	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
820	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
821	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
822	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
823	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
824	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
825	3'-0" x 7'-2"	N	WD	A	HM				20	15	No	
826a	3'-0" x 7'-2"	F	WD	DE	HM				20	21	No	
826B	PR 3'-6" x 7'-2"	N	HM	A	HM			-		5	No	
MEZZANINE												
M01A	2'-4" x 4'-6"	F	HM	A	HM					4	No	EXTERIOR, SEE 7/A1.54
M01B	3'-0" x5'-10"	F	HM	A	HM					4	No	EXTERIOR, SEE 7/A1.54

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A NEW SCHOOL FACILITY:
HORACE MAYNARD MIDDLE SCHOOL
UNION COUNTY PUBLIC SCHOOLS
MAYNARDVILLE, TN

DATE: 03/15/2024
PROJECT NO: 21074
SBC NO:

PROJECT REVISIONS

#	DATE	DESCRIPTION
1	04/26/2024	R1-SFMO RD 1
3	05/31/2024	ADD 001
8	06/20/2024	ADD 006
9	06/21/2024	ADD 007

DOOR TYPES AND SCHEDULE

SPRINKLER HEAD LEGEND

SYM	TYPE	TEMP. (F)	ORIFICE	k FACTOR	MANUFACTURER/MODEL #
⊗	QUICK RESPONSE BRASS UPRIGHT	155	1/2"	5.6	TYCO, TY-FRB
⊙	QUICK RESPONSE SEMI-RECESSED CHROME PENDENT	155	1/2"	5.6	TYCO, TY-FRB
⊙	QUICK RESPONSE SEMI-RECESSED CHROME PENDENT, HIGH TEMP	200	1/2"	5.6	TYCO, TY-FRB
◐	DRY PENDENT	155	1"	5.6	TYCO, DS-1
⊳	QUICK RESPONSE CONCEALED WINDOW WASH PENDENT W/ DEFLECTOR	155	1/2"	5.6	TYCO, CWS

GENERAL NOTE:
1. ALL SPRINKLER PIPING INSIDE BUILDING SHALL BE SCHEDULE-40 BLACK STEEL.

SPRINKLER ZONE 2

SPRINKLER ZONE 1

PROVIDE AND INSTALL BAFFLES BETWEEN SPRINKLER HEADS THAT ARE CLOSER THAN 6'-0" ON CENTER, ACCORDING TO NFPA-13. COORDINATE BAFFLES WITH ARCHITECT.

PROVIDE UPRIGHT SPRINKLER HEAD IN BOTTOM OF ELEVATOR SHAFT. PROVIDE SHUT-OFF VALVE W/ TAMPER SWITCH.

PROVIDE AND INSTALL BAFFLES BETWEEN SPRINKLER HEADS THAT ARE CLOSER THAN 6'-0" ON CENTER, ACCORDING TO NFPA-13. COORDINATE BAFFLES WITH ARCHITECT.

CDC C20 | REMOTE AREA - KITCHEN
ORDINARY HAZARD
0.15 DENSITY
1500 SQ FT.
250 GPM HOSE

PROVIDE SPRINKLER COVERAGE UNDER LOWEST STAIR LANDING.

TO HYDRAULICALLY CALCULATED SPRINKLER ZONE 1.

TO HYDRAULICALLY CALCULATED SPRINKLER ZONE 2.

FDC

SPRINKLER ENTRANCE W/DOUBLE CHECK BACKFLOW AND TWO ZONE RISERS, ALARM BELL AND FDC

6"FIRE LINE, SEE CIVIL SITE UTILITY PLAN FOR CONTINUATION.

FIRST FLOOR - AREA A - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

1 FP1.21

MAGNETIC NORTH

BUILDING NORTH

AREA 'B' (SPRINKLER ZONE 1)

AREA 'A' (SPRINKLER ZONE 1)

KEY PLAN

WALL LEGEND

- EXTERIOR WALL
- NON- RATED STUD PARTITION
- NON- RATED CMU PARTITION
- NON-RATED SMOKE PARTITION
- ONE-HOUR RATED FIRE BARRIER
- TWO-HOUR RATED FIRE WALL
- NON-RATED FURRING SOUND WALL

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No. 104884
4/26/24
State of Tennessee

A NEW SCHOOL FACILITY:

HORACE MAYNARD MIDDLE SCHOOL

UNION COUNTY PUBLIC SCHOOLS
MAYNARDVILLE, TN

DATE: 03/15/2024
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SBC NO:

PROJECT REVISIONS

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1	04/26/2024	REV 1
7	06/21/2024	ADD 07

FIRST FLOOR PLAN - AREA A - FIRE PROTECTION

FP1.21

SPRINKLER HEAD LEGEND

SYM	TYPE	TEMP. (F)	ORIFICE	k FACTOR	MANUFACTURER/MODEL #
⊗	QUICK RESPONSE BRASS UPRIGHT	155	1/2"	5.6	TYCO, TY-FRB
⊙	QUICK RESPONSE SEMI-RECESSED CHROME PENDENT	155	1/2"	5.6	TYCO, TY-FRB
⊙H	QUICK RESPONSE SEMI-RECESSED CHROME PENDENT, HIGH TEMP	200	1/2"	5.6	TYCO, TY-FRB
◐	DRY PENDENT	155	1"	5.6	TYCO, DS-1
▷	QUICK RESPONSE CONCEALED WINDOW WASH PENDENT W/ DEFLECTOR	155	1/2"	5.6	TYCO, CWS

2 2

GENERAL NOTE:
1. ALL SPRINKLER PIPING INSIDE BUILDING SHALL BE SCHEDULE-40 BLACK STEEL. 7

SPRINKLER ZONE 2

SPRINKLER ZONE 1

ART STOR B02a
ART B02
CLASSROOM 6-1 624
CLASSROOM 6-2 622
CLASSROOM 6-3 620
CLASSROOM 6-4 618
SPED CLASSROOM 616
BOYS' 612
GIRLS' 611
WASH AREA 610
STEM 601
TLT. 609
TLT. 608
IDF 614
CORRIDOR 626
CORRIDOR 600
STAIRS 625
CLASSROOM 6-5 623
CLASSROOM 6-6 621
CLASSROOM 6-7 619
CLASSROOM 6-8 617
CLASSROOM 6-9 615
CLASSROOM 6-10 613
JAN 603
WOMEN'S 604
CORR. 600a
RTI 602
MEN'S 605
ELEC 606
STORAGE 607

PROVIDE SPRINKLER COVERAGE UNDER LOWEST STAIR LANDING.

SPRINKLER INSPECTOR'S TEST CONNECTION. SPRINKLER CONTRACTOR SHALL VERIFY LOCATION.

FIRST FLOOR - AREA B - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

1
FP1.22

MAGNETIC NORTH

BUILDING NORTH

AREA 'B' (SPRINKLER ZONE 1)

AREA 'A' (SPRINKLER ZONE 1)

KEY PLAN

WALL LEGEND

- EXTERIOR WALL
- NON- RATED STUD PARTITION
- NON- RATED CMU PARTITION
- NON-RATED SMOKE PARTITION
- ONE-HOUR RATED FIRE BARRIER
- TWO-HOUR RATED FIRE WALL
- NON-RATED FURRING SOUND WALL

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State of Tennessee

A NEW SCHOOL FACILITY:

HORACE MAYNARD MIDDLE SCHOOL

UNION COUNTY PUBLIC SCHOOLS
MAYNARDVILLE, TN

DATE: 03/15/2024
PROJECT NO: 21074
SBC NO:

PROJECT REVISIONS

#	DATE	DESCRIPTION
1	04/26/2024	REV 1
7	06/21/2024	ADD 07

FIRST FLOOR PLAN - AREA B - FIRE PROTECTION

FP1.22

SPRINKLER HEAD LEGEND

SYM	TYPE	TEMP. (F)	ORIFICE	K FACTOR	MANUFACTURER/MODEL #
⊗	QUICK RESPONSE BRASS UPRIGHT	155	1/2"	5.6	TYCO, TY-FRB
◉	QUICK RESPONSE SEMI-RECESSED CHROME PENDENT	155	1/2"	5.6	TYCO, TY-FRB
◉ H	QUICK RESPONSE SEMI-RECESSED CHROME PENDENT, HIGH TEMP	200	1/2"	5.6	TYCO, TY-FRB
◐	DRY PENDENT	155	1"	5.6	TYCO, DP-1
▣	QUICK RESPONSE CONCEALED WINDOW WASH PENDENT W/ DEFLECTOR	155	1/2"	5.6	TYCO, CWS

GENERAL NOTE:
1. ALL SPRINKLER PIPING INSIDE BUILDING SHALL BE SCHEDULE-40 BLACK STEEL.

PROVIDE AND INSTALL BAFFLES BETWEEN SPRINKLER HEADS THAT ARE CLOSER THAN 6'-0" ON CENTER, ACCORDING TO NFPA-13. COORDINATE BAFFLES WITH ARCHITECT.

SPRINKLER ZONE 2

SPRINKLER ZONE 1

GYMNASIUM OFFICE G02
PRINCIPAL 5TH GRADE B22
FLEX SPACE B21b
ROOF ACCESS G03
COUNSELOR B23
COUNSELOR B24
CORRIDOR B33
CORRIDOR B33
COUNSELOR B25
PRINCIPAL 7TH GRADE B26
ELEVATOR B40
MEDIA STORAGE B21d
C-BOOK STORAGE 701a
CHECK-IN / OUT B27a
MAINTENANCE B27
GIRL'S 711
TECHNOLOGY 701
TLT. 708
CORRIDOR 700
BLVD B31
JAN 703
WOMEN'S 704
CORR. 704a
RTT 702
MEN'S 705
STORAGE 707
ELEC / DATA 707a
FLEX ROOM B32
I.S.S. D08
INSTRUMENT STORAGE D06
BAND OFFICE D05
BAND ROOM D07
SOLO D07a
SOLO D07b
SOLO D07c
TLT. B29
TLT. B30
CORRIDOR D09
IDF D03
STOR. D09a
STOR. D04a
KEYBOARDING D01
HEALTH D02
VOCATIONAL CLASSROOM D04
STAIR D09a

SECOND FLOOR - AREA C - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

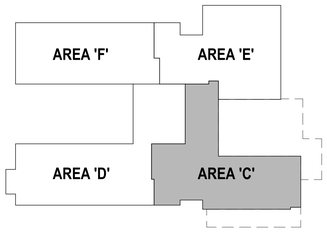
1 FP1.23

MAGNETIC NORTH

BUILDING NORTH

WALL LEGEND

- EXTERIOR WALL
- NON- RATED STUD PARTITION
- NON- RATED CMU PARTITION
- NON-RATED SMOKE PARTITION
- ONE-HOUR RATED FIRE BARRIER
- TWO-HOUR RATED FIRE WALL
- NON-RATED FURRING SOUND WALL



KEY PLAN

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4/26/24

A NEW SCHOOL FACILITY:

HORACE MAYNARD MIDDLE SCHOOL

UNION COUNTY PUBLIC SCHOOLS
MAYNARDVILLE, TN

DATE: 03/15/2024
PROJECT NO: 21074
SBC NO:

PROJECT REVISIONS

#	DATE	DESCRIPTION
1	04/26/2024	REV 1
7	06/21/2024	ADD 07

SECOND FLOOR PLAN - AREA C - FIRE PROTECTION

FP1.23

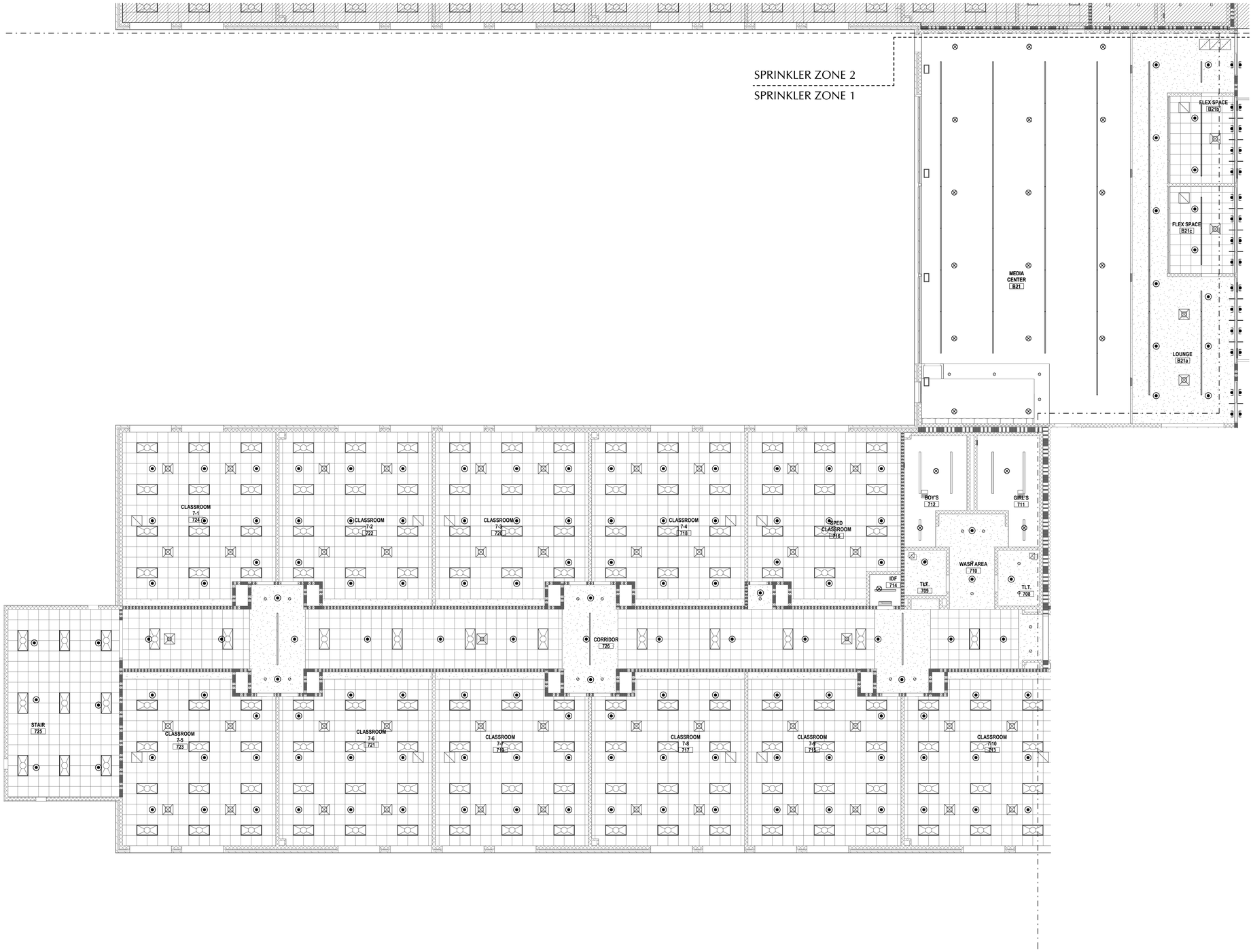
SPRINKLER HEAD LEGEND

SYM	TYPE	TEMP. (F)	ORIFICE	k FACTOR	MANUFACTURER/MODEL #
⊗	QUICK RESPONSE BRASS UPRIGHT	155	1/2"	5.6	TYCO, TY-FRB
⊙	QUICK RESPONSE SEMI-RECESSED CHROME PENDENT	155	1/2"	5.6	TYCO, TY-FRB
⊙	QUICK RESPONSE SEMI-RECESSED CHROME PENDENT, HIGH TEMP	200	1/2"	5.6	TYCO, TY-FRB
◐	DRY PENDENT	155	1"	5.6	TYCO, DS-1
▶	QUICK RESPONSE CONCEALED WINDOW WASH PENDENT W/ DEFLECTOR	155	1/2"	5.6	TYCO, CWS

2

GENERAL NOTE:
1. ALL SPRINKLER PIPING INSIDE BUILDING SHALL BE SCHEDULE-40 BLACK STEEL.

7

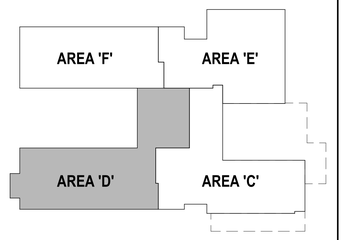


SECOND FLOOR - AREA D - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

1
FP1.24

MAGNETIC NORTH

BUILDING NORTH



KEY PLAN

WALL LEGEND

- EXTERIOR WALL
- NON- RATED STUD PARTITION
- NON- RATED CMU PARTITION
- NON-RATED SMOKE PARTITION
- ONE-HOUR RATED FIRE BARRIER
- TWO-HOUR RATED FIRE WALL
- NON-RATED FURRING SOUND WALL

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State of Tennessee

A NEW SCHOOL FACILITY:

HORACE MAYNARD MIDDLE SCHOOL

UNION COUNTY PUBLIC SCHOOLS
MAYNARDVILLE, TN

DATE: 03/15/2024
PROJECT NO: 21074
SBC NO:

PROJECT REVISIONS

#	DATE	DESCRIPTION
1	04/26/2024	REV 1
7	06/21/2024	ADD 07

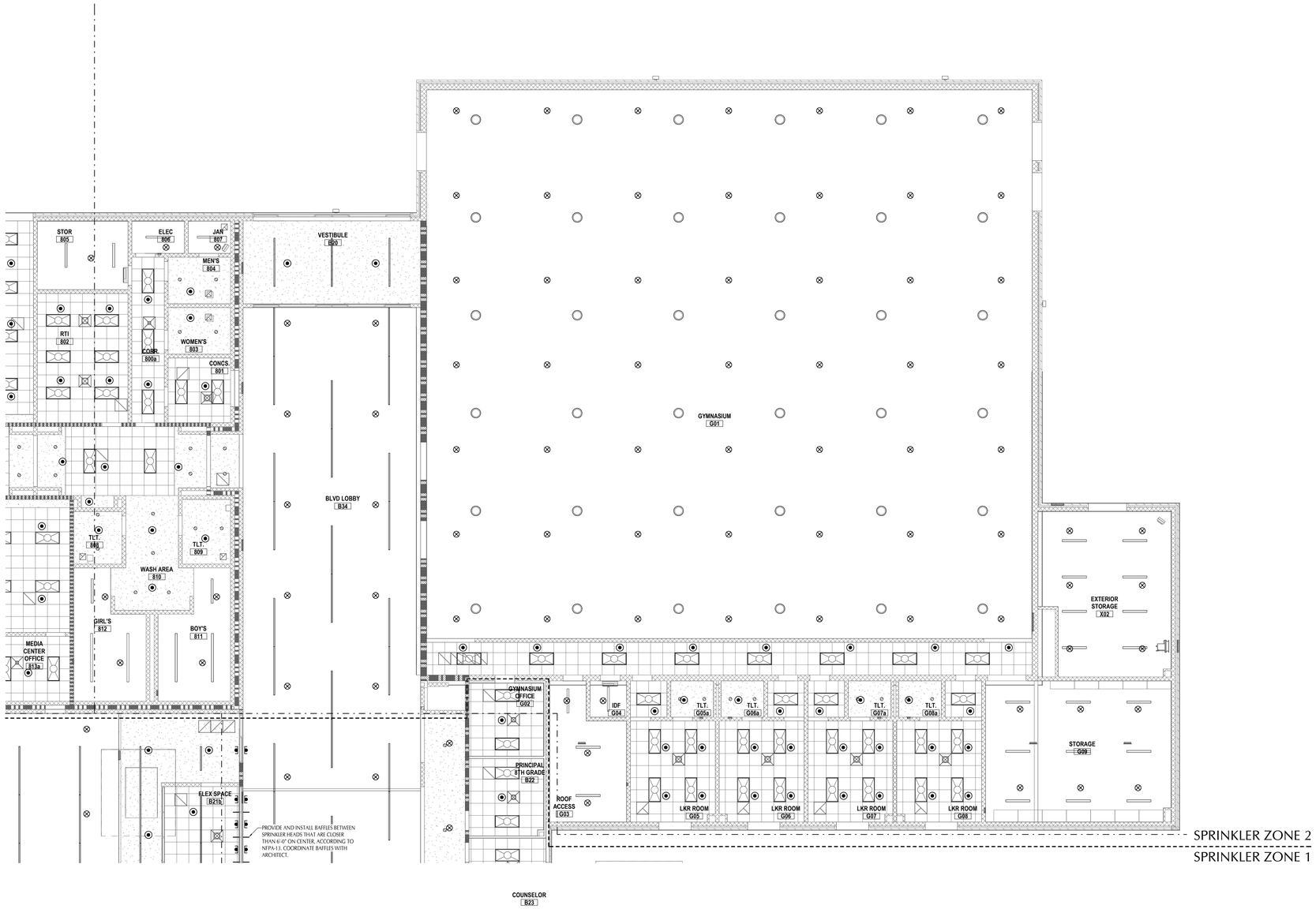
SECOND FLOOR PLAN - AREA D - FIRE PROTECTION

FP1.24

SPRINKLER HEAD LEGEND

SYM	TYPE	TEMP. (F)	ORIFICE	k FACTOR	MANUFACTURER/MODEL #
⊗	QUICK RESPONSE BRASS UPRIGHT	155	1/2"	5.6	TYCO, TY-FRB
⊙	QUICK RESPONSE SEMI-RECESSED CHROME PENDENT	155	1/2"	5.6	TYCO, TY-FRB
⊙ HT	QUICK RESPONSE SEMI-RECESSED CHROME PENDENT, HIGH TEMP	200	1/2"	5.6	TYCO, TY-FRB
◐	DRY PENDENT	155	1"	5.6	TYCO, DS-1
⊱	QUICK RESPONSE CONCEALED WINDOW WASH PENDENT W/ DEFLECTOR	155	1/2"	5.6	TYCO, CWS

GENERAL NOTE:
1. ALL SPRINKLER PIPING INSIDE BUILDING SHALL BE SCHEDULE-40 BLACK STEEL.

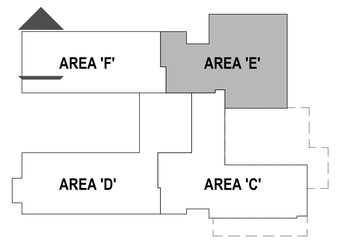


SECOND FLOOR - AREA E - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

1 FP1.25

MAGNETIC NORTH

BUILDING NORTH



KEY PLAN

WALL LEGEND

- EXTERIOR WALL
- NON- RATED STUD PARTITION
- NON- RATED CMU PARTITION
- NON-RATED SMOKE PARTITION
- ONE-HOUR RATED FIRE BARRIER
- TWO-HOUR RATED FIRE WALL
- NON-RATED FURRING SOUND WALL

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A NEW SCHOOL FACILITY:

HORACE MAYNARD MIDDLE SCHOOL

UNION COUNTY PUBLIC SCHOOLS
MAYNARDVILLE, TN

DATE: 03/15/2024
PROJECT NO: 21074
SBC NO:

PROJECT REVISIONS

#	DATE	DESCRIPTION
1	04/26/2024	REV 1
7	06/21/2024	ADD 07

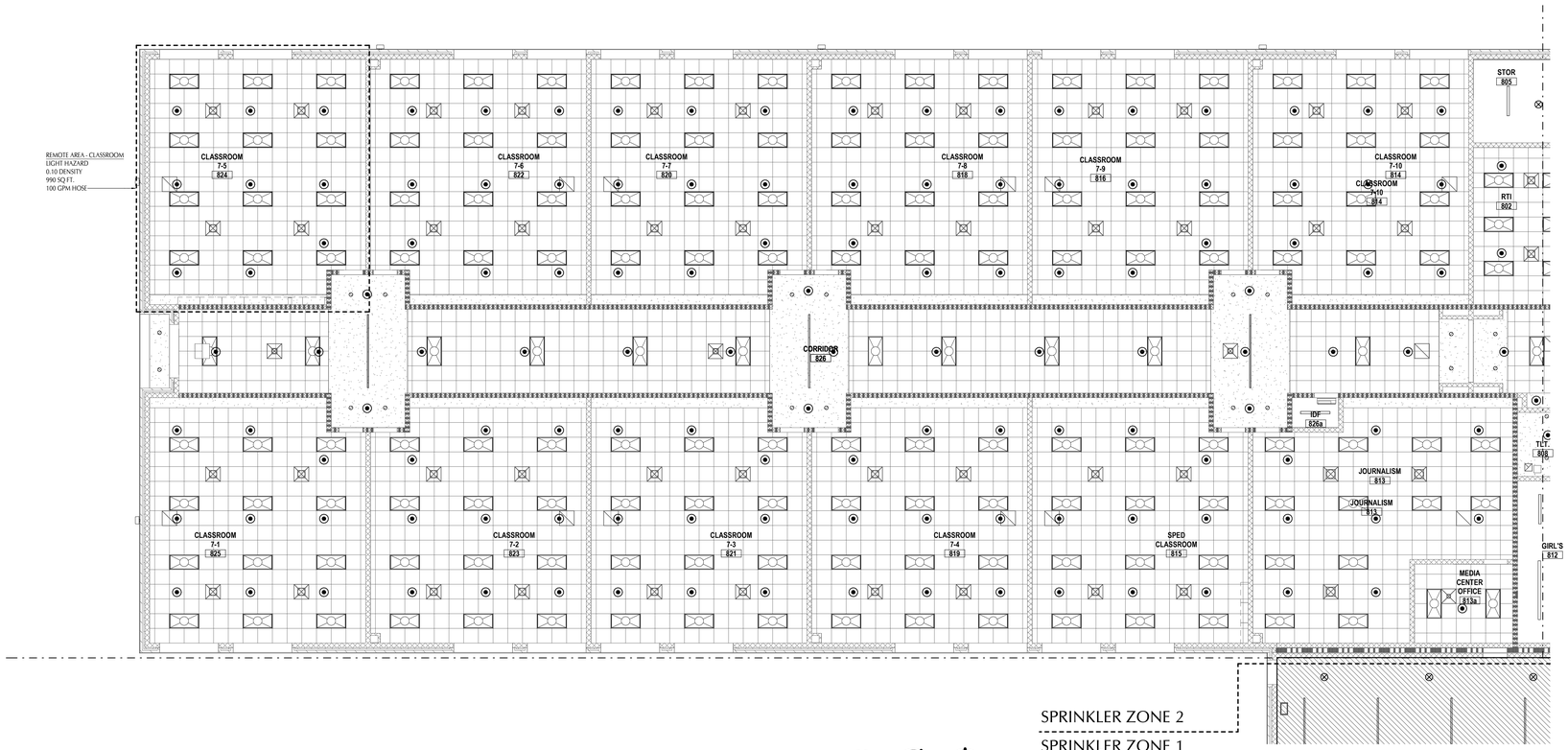
SECOND FLOOR PLAN - AREA E - FIRE PROTECTION

FP1.25

SPRINKLER HEAD LEGEND

SYM	TYPE	TEMP. (F)	ORIFICE	k FACTOR	MANUFACTURER/MODEL #
⊗	QUICK RESPONSE BRASS UPRIGHT	155	1/2"	5.6	TYCO, TY-FRB
⊙	QUICK RESPONSE SEMI-RECESSED CHROME PENDENT	155	1/2"	5.6	TYCO, TY-FRB
⊙ H	QUICK RESPONSE SEMI-RECESSED CHROME PENDENT, HIGH TEMP	200	1/2"	5.6	TYCO, TY-FRB
◐	DRY PENDENT	155	1"	5.6	TYCO, DS-1
▣	QUICK RESPONSE CONCEALED WINDOW WASH PENDENT W/ DEFLECTOR	155	1/2"	5.6	TYCO, CWS

GENERAL NOTE:
1. ALL SPRINKLER PIPING INSIDE BUILDING SHALL BE SCHEDULE-40 BLACK STEEL.

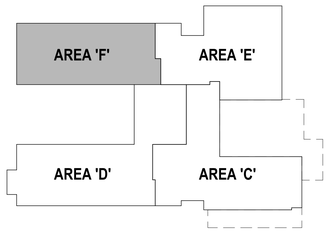


SECOND FLOOR - AREA F - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

1 FP1.26

MAGNETIC NORTH

BUILDING NORTH



KEY PLAN

WALL LEGEND

- EXTERIOR WALL
- NON- RATED STUD PARTITION
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- NON-RATED FURRING SOUND WALL

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JEFFREY R. WHILLOCK — REGISTERED ENGINEER — No. 104884 — 4/26/24 — State of Tennessee

A NEW SCHOOL FACILITY:

HORACE MAYNARD MIDDLE SCHOOL

UNION COUNTY PUBLIC SCHOOLS
MAYNARDVILLE, TN

DATE: 03/15/2024
PROJECT NO: 21074
SBC NO:

PROJECT REVISIONS

#	DATE	DESCRIPTION
1	04/26/2024	REV 1
7	06/21/2024	ADD 07

SECOND FLOOR PLAN - AREA F - FIRE PROTECTION

FP1.26