SILLING

FAIRMONT STATE UNIVERSITY

RFB-458

ADDENDUM 04

Date:	May 12, 2026
Project:	RFB-458 Fairmont State University Musick Library Modernization
Location:	Fairmont, West Virginia
Architect:	SILLING, HBM
Owner:	Fairmont State University

The following amendments, addenda, additions and deletions shall be made to the contract documents titled as above. This Addendum is issued to modify the original Project Manual and Drawings as prepared by Silling Architects for the above referenced project dated April 6, 2026 and is hereby made a part of the Contract Documents. Insofar as the contract documents are at variance with Addendum 04, this Addendum shall govern. Bidders shall review changes to all portions of the work, as changes to one portion may affect the work of another. **IT IS THE RESPONSIBILITY OF EACH BIDDER TO VERIFY THAT ALL SUBCONTRACTORS AND SUPPLIERS HAVE ADDRESSED ADDENDUM ITEMS**.

CLARIFICATIONS

1. **The bid date will not be extended. Bids are due Tuesday, May 19, 2026 at 2:00pm.**
2. All storefront systems and aluminum doors shall be PVDF White finish. Specification 08 41 13 is updated to reflect the change.
3. As called out in Specification 08 41 13, Wide Stile Doors are noted as “nominal 6”.” A wide stile of 5” is acceptable.
4. Some gypsum bulkheads are stud framed and others are installed using a suspended grid. Installation method varies by location.
5. Furniture and shelving shown on drawings A12.01 and A12.02 is not included in this contract. These drawings are provided for general reference purposes only, unless noted otherwise (see clarification 6). Furniture arrangements may change prior to installation.
6. Metal lockers located in Corridor 216 are in the scope of this project and shall be included in submitted bids. Contractor shall supply and install nine (9) three-tier locker units complying with the specifications.
7. The Owner will remove a limited amount of furniture, as depicted in the attached photographs. All additional furnishings left in the space are to be removed and properly disposed of by the Contractor.
8. Refer to 1/A103 for the Coffee Shop ceiling installation. Drawing 1/A103 shall supersede 1/A2.01 in cases that the two differ. Refer to MEP drawings for fixture types.
9. Refer to sheet A-104 for the Coffee Shop finish schedule. This drawing shall supersede notes on sheet A9.00.
10. Existing electrical panel schedules will not be provided since most existing panels are simply being back-fed into the new switchboard. The existing panel schedules on site are old and not very accurate. The contractor may review the existing schedules during pre-bid site visits.

11. The first and third floors utilize a return air plenum. PVC piping for sanitary waste and venting is not acceptable. Attached specification 22 13 16 removes the PVC reference.

12. Kitchen equipment (provided by Other) will be equipped with standard cord and plug where necessary.

13. Refer to drawing 3/S1.0 for steel angle detailing at duct penetrations through the roof slab.

14. Wall tile layouts for restroom walls are depicted on updated sheet A2.02 (included herein). Wet walls to receive full-height tile; toilet side walls to receive 60” high tile wainscot; remaining walls to receive 6” tile base. Notes in the “Comments” column of the Finish Schedule on Sheet A9.00 are superseded by elevations on sheet A2.02.

15. Acoustical Suspended Baffle ASB-1 has been replaced, as shown on revised sheet A9.00, to a product that can be vertically mounted.

16. Deck heights on floors vary as the original structure and subsequent additions utilize differing construction techniques. Floor-to-floor heights, as indicated on historic drawings (not verified), are:
    - **a.** First to Second Floor: 11’-11”
    - **b.** Second to Third Floor: 11’-11”
    - **c.** Third floor to Roof: 11’-10 15/16”

17. CUFS-1, noted on A104, Basis of Design: Sonhard StonClad UR w/ H14 (3/16" Troweled System), Slip Resistant Finish, Integral Cove Base, Color TBD selected from manufacturer's full standard range.

18. B-2, noted on A104, Basis of Design: Johnsonite 4” Rolled Cove Base. Color TBD selected from manufacturer’s full standard range (color may differ from other rolled cove base I the project).

19. An updated Kitchen Equipment Schedule is attached (replacing the schedule on sheet A-001), clarifying what is to be provided and/or installed by the General Contractor or the Kitchen Equipment Contractor (not in contract, “KEC”).The General Contractor shall provide rough-ins for the equipment as noted in the drawings and schedule with final connections made by the KEC unless otherwise noted in the Kitchen Equipment Schedule.
    Specifically note:
    a. The stainless steel legs & angle supports for countertops shall be provided by the KEC to the GC. However, the GC/Millwork subcontractor may opt to provide them.
    b. The grease interceptor shall be furnished and installed by the GC.
    c. Blocking shall be provided where noted on the drawings and schedule.

20. Drawing A-501 detail 1 calls out a new Eliason Gate on the left side of the counter. The basis of design is the Eliason SCP-Gate. Color TBD selected from manufacturer’s full range.

21. Signage listed on sheet A-002 is shown for reference only and shall not be included in bids. Owner to contract directly with signage company. All other signage, including, but not limited to, signs indicated on sheet A11.01 shall be included in the project scope.

22. Coffee shop millwork, solid surface countertops, and solid surface waterfall are included in the project scope.

23. As noted on sheet AD1.01, the existing door, frame, and associated components into room EX124 are to be removed. In the same location, a new door, EX124 (named to match the room), frame, and associated components shall be supplied and installed. See revised sheet A8.01 for updated schedule.

24. Door EX108 is on the second floor, located at the page North side of Stair C, Room STO3-B. The existing wall is called out for demolition and patching on sheet AD1.01, and the new door is shown on sheet A1.02. See revised sheet A8.01 for updated schedule.

CHANGES TO SPECIFICATIONS

1. Replace Table of Contents

2. Delete specification 10 26 00 WALL PROTECTION; no applicable products in the project.

3. Replace Specification 08 41 13 – ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS.
    a. Paragraph 2.10 has been replaced to clarify the finish as PVDF.
4. Add Specification 08 41 23 – FIRE RATED ALUMINUM STOREFRONT

5. Replace Specification 09 51 13 – ACOUSTIC PANEL CEILING
    a. Paragraph 2.3.A.2 – Basis of Design changed.
    b. Paragraph 2.5.B.1 – ASB-1 product data updated per revised Basis of Design.

CHANGES TO DRAWINGS

1. Sheet A2.02 ENLARGED TOILET ROOMS
    a. Changed wall tile patterns in restrooms on drawings 1 through 8. Added note for rooms 213 and 214 to have wall tile patterns matching room 215.
2. Sheet A8.01 DOOR SCHEDULES & DETAILS
    a. Edited schedule to update and include information for doors EX108 and EX124.

3. Sheet A9.00 FINISH SCHEDULE
    a. Changed ASB-1 product data.

4. Sheet P3.4 NEW WORK – ROOF PLAN – PLUMBING
    a. Added coded noted 6.

5. Sheet M2.4 NEW WORK – ROOF PLAN – MECHANICAL
    a. Revised coded note 6.
    b. Added coded note 9 and associated hatching.

6. Sheet M5.1 DETAILS – MECHANICAL
    a. Deleted Rooftop w/Spring Isolation & Drywall Acoustic Treatment detail.
    b. Added Rooftop with Spring Isolation base on Dunnage detail.

All Bidders shall hand write receipt of Addendum 04 on Bid Form and check the appropriate box on the Addenda Acknowledgement Form.

ATTACHMENTS

- Table of Contents
- Specifications 08 41 13, 08 41 23, 09 51 13.
- Drawings A2.02, A8.01, A9.00, P3.4, M2.4, M5.1.
- Kitchen Equipment Schedule
- Photos of furniture to be removed **by Owner.**

End of Addendum 04

Fairmont State University – Ruth Ann Musick Library Renovations

Fairmont, WV

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SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

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. Exterior and interior storefront framing.
2. Storefront framing for punched openings.
3. Exterior and interior manual-swing entrance doors and door-frame units.

1.3 PERFORMANCE REQUIREMENTS

A. General Performance: Aluminum-framed systems shall withstand the effects of the following performance requirements without exceeding performance criteria or failure due to defective manufacture, fabrication, installation, or other defects in construction:

1. Movements of supporting structure indicated on Drawings including, but not limited to, story drift and deflection from uniformly distributed and concentrated live loads.

2. Dimensional tolerances of building frame and other adjacent construction.
3. Failure includes the following:

a. Deflection exceeding specified limits.
b. Thermal stresses transferring to building structure.
c. Framing members transferring stresses, including those caused by thermal and structural movements to glazing.
d. Noise or vibration created by wind and by thermal and structural movements.
e. Loosening or weakening of fasteners, attachments, and other components.
f. Failure of operating units.

B. Wind Loads: As indicated on Drawings.

C. Air Infiltration: Provide aluminum-framed systems with maximum air leakage through fixed glazing and framing areas of 0.06 cfm/sq. ft. of fixed wall area when tested according to ASTM E 283 at a minimum static-air-pressure difference of 1.57 lbf/sq. ft.

D. Water Penetration under Static Pressure: Provide aluminum-framed systems that do not evidence water penetration through fixed glazing and framing areas when tested according to ASTM E 331 at a minimum static-air-pressure difference of 20 percent of positive wind-load design pressure, but not less than 6.24 lbf/sq. ft.

1.4 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: For aluminum-framed systems. Include plans, elevations, sections, details, and attachments to other work.

1. Include details of provisions for system expansion and contraction and for drainage of moisture in the system to the exterior.

2. Shop drawings shall be stamped by a engineer licensed in the state that the project is located.

C. Samples: For each type of exposed finish required.

D. Product test reports.

E. Field quality-control reports.

F. Maintenance data.

G. Warranties: Sample of special warranties.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of units required for this Project.

B. Testing Agency Qualifications: Qualified according to ASTM E 699 for testing indicated.

C. Engineering Responsibility: Manufacturer shall prepare signed and stamped engineered drawings and data for aluminum-framed systems, including Shop Drawings, based on testing and engineering analysis of manufacturer's standard units in systems similar to those indicated for this Project.

D. Product Options: Information on Drawings and in Specifications establishes requirements for systems' aesthetic effects and performance characteristics. Aesthetic effects are indicated by dimensions, arrangements, alignment, and profiles of components and assemblies as they relate to sightlines, to one another, and to adjoining construction. Performance characteristics are indicated by criteria subject to verification by one or more methods including preconstruction testing, field testing, and in-service performance.

E. Source Limitations for Aluminum-Framed Systems: Obtain from single source from single manufacturer.

F. Pre-installation Conference: Conduct conference at Project site.

1.6 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of aluminum-framed systems that do not comply with requirements or that fail in materials or workmanship within specified warranty period.

1. Warranty Period: Five years from date of Substantial Completion.

B. Special Finish Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components on which finishes do not comply with requirements or that fail in materials or workmanship within specified warranty period. Warranty does not include normal weathering.

1. Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. 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:
1. Basis of Design: YKK AP America Inc., YES 45 TU-FS
2. Vistawall Architectural Products; The Vistawall Group.
3. Kanwneer 451 is basis of design by Kawneer North America; an Alcoa company.
4. EFCO

2.2 MATERIALS

A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.

1. Sheet and Plate: ASTM B 209.
2. Extruded Bars, Rods, Profiles, and Tubes: ASTM B 221.
3. Extruded Structural Pipe and Tubes: ASTM B 429.
4. Structural Profiles: ASTM B 308/B 308M.

5. Welding Rods and Bare Electrodes: AWS A5.10/A5.10M.

B. Steel Reinforcement: Manufacturer's standard zinc-rich, corrosion-resistant primer, complying with SSPC-PS Guide No. 12.00; applied immediately after surface preparation and pretreatment. Select surface preparation methods according to

recommendations in SSPC-SP COM and prepare surfaces according to applicable SSPC standard.

1. Structural Shapes, Plates, and Bars: ASTM A 36/A 36M.
2. Cold-Rolled Sheet and Strip: ASTM A 1008/A 1008M.
3. Hot-Rolled Sheet and Strip: ASTM A 1011/A 1011M.

2.3 FRAMING SYSTEMS

A. Framing Members: Manufacturer's standard extruded-aluminum framing members of thickness required and reinforced as required to support imposed loads.

1. Construction: YKK YES 45 TU-FS
2. Glazing System: Retained mechanically with gaskets on four sides.
3. Glazing Plane: As indicated.

B. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with non-staining, nonferrous shims for aligning system components.

C. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, non-staining, non-bleeding fasteners and accessories compatible with adjacent materials.

1. Use self-locking devices where fasteners are subject to loosening or turning out from thermal and structural movements, wind loads, or vibration.
2. Reinforce members as required to receive fastener threads.

3. Use exposed fasteners with countersunk Phillips screw heads, fabricated from stainless steel.

D. Concrete and Masonry Inserts: Hot-dip galvanized cast-iron, malleable-iron, or steel inserts, complying with ASTM A 123/A 123M or ASTM A 153/A 153M.

E. Concealed Flashing: Manufacturer's standard corrosion-resistant, nonstaining, nonbleeding flashing compatible with adjacent materials.

F. Framing System Gaskets and Sealants: Manufacturer's standard, recommended by manufacturer for joint type.

1. Provide sealants for use inside of the weatherproofing system that have a VOC content of 250 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

2.4 ENTRANCE DOOR SYSTEMS

A. Entrance Doors: Manufacturer's standard glazed entrance doors for manual-swing operation.

1. Door Construction: 1-3/4-inch overall thickness, with minimum 0.125-inch-thick, extruded-aluminum tubular rail and stile members. Mechanically fasten corners

with reinforcing brackets that are deeply penetrated and fillet welded or that incorporate concealed tie rods.

2. Door Design: Wide stile; 6-inch nominal width.
3. Glazing Stops and Gaskets: Beveled, snap-on, extruded-aluminum stops and preformed gaskets.

    a. Provide non-removable glazing stops on outside of door.

2.5 ENTRANCE DOOR HARDWARE

A. General: Provide entrance door hardware and entrance door hardware sets indicated in door and frame schedule for each entrance door to comply with requirements in this Section.

1. Entrance Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and products equivalent in function and comparable in quality to named products.
2. Sequence of Operation: Provide electrified door hardware function, sequence of operation, and interface with other building control systems indicated.
3. Opening-Force Requirements:

    a. Egress Doors: Not more than 5 lbf to release the latch and not more than 5 lbf to set the door in motion.

    b. Accessible Interior Doors: Not more than 5 lbf to fully open door.

B. Designations: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of entrance door hardware are indicated in "Entrance Door Hardware Sets" Article. Products are identified by using entrance door hardware designations as follows:

1. Named Manufacturers' Products: Manufacturer and product designation are listed for each door hardware type required for the purpose of establishing minimum requirements. Manufacturers' names are abbreviated in "Entrance Door Hardware Sets" Article.

2. References to BHMA Standards: Provide products complying with these standards and requirements for description, quality, and function.

C. Pivot Hinges: BHMA A156.4, Grade 1.

1. Offset-Pivot Hinges: Provide top, bottom, and intermediate offset pivots at each door leaf.

D. Continuous-Gear Hinges: Manufacturer's standard with stainless-steel bearings between knuckles, fabricated to full height of door and frame.

E. Mortise Auxiliary Locks: BHMA A156.5, Grade 1.

F. Manual Flush Bolts: BHMA A156.16, Grade 1.

G. Automatic and Self-Latching Flush Bolts: BHMA A156.3, Grade 1.

H. Panic Exit Devices: BHMA A156.3, Grade 1, listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for panic protection, based on testing according to UL 305.

I. Cylinders: As specified in Section 087100 "Door Hardware."

1. Keying: Master key system. Permanently inscribe each key with a visual key control number and include notation "DO NOT DUPLICATE" to be furnished by Owner.

J. Strikes: Provide strike with black-plastic dust box for each latch or lock bolt; fabricated for aluminum framing.

K. Operating Trim: BHMA A156.6.

L. Removable Mullions: BHMA A156.3, extruded aluminum.

1. When used with panic exit devices, provide removable mullions listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for panic protection, based on testing according to UL 305. Use only mullions that have been tested with exit devices to be used.

M. Closers: BHMA A156.4, Grade 1, with accessories required for a complete installation, sized as required by door size, exposure to weather, and anticipated frequency of use; adjustable to comply with field conditions and requirements for opening force.

N. Concealed Overhead Holders: BHMA A156.8, Grade 1.

O. Surface-Mounted Holders: BHMA A156.16, Grade 1.

P. Door Stops: BHMA A156.16, Grade 1, wall mounted, as appropriate for door location indicated, with integral rubber bumper.

Q. Weather Stripping: Manufacturer's standard replaceable components.

1. Compression Type: Made of ASTM D 2000, molded neoprene, or ASTM D 2287, molded PVC.
2. Sliding Type: AAMA 701/702, made of wool, polypropylene, or nylon woven pile with nylon-fabric or aluminum-strip backing.

R. Weather Sweeps: Manufacturer's standard exterior-door bottom sweep with concealed fasteners on mounting strip.

S. Silencers: BHMA A156.16, Grade 1.

T. Thresholds: BHMA A156.21, raised thresholds beveled with a slope of not more than 1:2, with maximum height of 1/2 inch.

2.6 Finger Guards: Manufacturer's standard collapsible neoprene or PVC gasket anchored to frame hinge-jamb at center-pivoted doors.

2.7 GLAZING SYSTEMS

A. Glazing: As specified in Division 08 Section "Glazing."

B. Glazing Gaskets: Manufacturer's standard compression types; replaceable, molded or extruded, of profile and hardness required to maintain watertight seal.

C. Spacers and Setting Blocks: Manufacturer's standard elastomeric type.

2.8 ACCESSORY MATERIALS

A. Bituminous Paint: Cold-applied, asphalt-mastic paint complying with SSPC-Paint 12 requirements except containing no asbestos; formulated for 30-mil thickness per coat.

B. Sub Sill: Set all storefront and punch windows with a continuous aluminum sub sill. Color to match aluminum system. Sub sill shall have inside 'leg' turned up ¾" minimum.

2.9 FABRICATION

A. Form or extrude aluminum shapes before finishing.

B. Weld in concealed locations to greatest extent possible to minimize distortion or discoloration of finish. Remove weld spatter and welding oxides from exposed surfaces by descaling or grinding.

C. Framing Members, General: Fabricate components that, when assembled, have the following characteristics:

1. Profiles that are sharp, straight, and free of defects or deformations.
2. Accurately fitted joints with ends coped or mitered.
3. Means to drain water passing joints, condensation within framing members, and moisture migrating within the system to exterior.
4. Physical and thermal isolation of glazing from framing members.
5. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.
6. Provisions for field replacement of glazing from exterior.
7. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible.

D. Mechanically Glazed Framing Members: Fabricate for flush glazing without projecting stops.

E. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.

2.10 ALUMINUM FINISHES

A. High-Performance Organic Finish, Two-Coat PVDF: Fluoropolymer finish complying with AAMA 2605 and containing not less than 70 percent PVDF resin by weight in color coat.

1. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
2. Color and Gloss: As selected by Architect from manufacturer's full range.

PART 3 - EXECUTION

3.1 INSTALLATION

A. General:

1. Comply with manufacturer's written instructions.
2. Do not install damaged components.
3. Fit joints to produce hairline joints free of burrs and distortion.
4. Rigidly secure non-movement joints.
5. Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration.
6. Seal joints watertight unless otherwise indicated.

B. Metal Protection:

1. Where aluminum will contact dissimilar metals, protect against galvanic action by painting contact surfaces with primer or applying sealant or tape, or by installing nonconductive spacers as recommended by manufacturer for this purpose.
2. Where aluminum will contact concrete or masonry, protect against corrosion by painting contact surfaces with bituminous paint.

C. Install components to drain water passing joints, condensation occurring within framing members, and moisture migrating within the system to exterior.

D. Set continuous sub sill and sill members and flashing in full sealant bed as specified in Division 07 Section "Joint Sealants" to produce weathertight installation.

E. Install components plumb and true in alignment with established lines and grades, and without warp or rack.

F. Install glazing as specified in Division 08 Section "Glazing."

3.2 FIELD QUALITY CONTROL

A. Engage the manufacturer’s representative to review installed work and to perform field tests and inspections. Representative shall make at least two visits and issue a written report each time listing any deficiencies and required corrective actions as well as general assessment of installed work.

B. Repair or remove work if test results and inspections indicate that it does not comply with specified requirements.

C. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

D. Aluminum-framed assemblies will be considered defective if they do not pass tests and inspections.

E. Prepare test and inspection reports.

END OF SECTION 084113

SECTION 084123 - FIRE RATED ALUMINUM FRAMED STOREFRONTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Fire rated glazing and framing systems for installation as sidelights and wall sections in interior openings.

B. Related Sections:

1. Section 079200 – “Joint Sealants” for installation of joint sealants installed with fire-rated glazed framing systems and for sealants to the extent not specified in this Section.
2. Section 087100 “Door Hardware:” Door hardware other than that provided by the work of this section.
3. Section 098813 – “Fire Resistant Glazing” for glazing to be installed in work of this section.

1.2 REFERENCES

A. American Architectural Manufacturers Association (AAMA)

1. AAMA 2605 -2005 Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels.

B. American Society for Testing and Materials (ASTM):

1. Fire safety related:

a. ASTM E119: Methods for Fire Tests of Building Construction and Materials.

2. Material related

a. ASTM A 1008/A 1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength, Low Alloy, and High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable; 2007.
b. ASTM A 1011/A 1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength; 2006b.

C. Builders Hardware Manufacturers Association, Inc.

1. BHMA A156 - American National Standards for door hardware; 2006 (ANSI/BHMA A156).

D. National Fire Protection Association (NFPA):

1. NFPA 80: Fire Doors and Windows.

2. NFPA 252: Fire Tests of Door Assemblies
3. NFPA 257: Fire Test of Window Assemblies

E. Underwriters Laboratories, Inc. (UL):

1. UL 9: Fire Tests of Window Assemblies.
2. UL 10 B: Fire Tests of Door Assemblies
3. UL 10 C: Positive Pressure Fire Tests of Window & Door Assemblies
4. UL 263: Fire tests of Building Construction and Materials

1.3 SUBMITTALS

A. Submit in accordance with Section 013300 – Submittal Procedures.

B. Product Data:

1. Technical Information: Submit latest edition of manufacturer's product data providing product descriptions, technical data, Underwriters Laboratories, Inc. listings and installation instructions.

C. Shop Drawings:

1. Include plans, elevations and details of product showing component dimensions; framing opening requirements, dimensions, tolerances, and attachment to structure

D. Samples for Verification: Actual sample of finished products for the following:

1. Full size sample of frame profile, 6 inches long.
2. Verification of sample of selected finish.

E. Glazing Schedule: Use same designations indicated on drawings for glazed openings in preparing a schedule listing glass types and thicknesses for each size opening and location.

F. Warranties: Submit manufacturer's warranty.

G. Certificates of compliance from glass and glazing materials manufacturers attesting that glass and glazing materials furnished for project comply with requirements.

1. Separate certification will not be required for glazing materials bearing manufacturer's permanent label designating type and thickness of glass, provided labels represent a quality control program involving a recognized certification agency or independent testing laboratory acceptable to authority having jurisdiction.

1.4 QUALITY ASSURANCE

A. Fire-Rated Window Assemblies: Assemblies complying with NFPA 80 that are classified and labeled by UL, for fire ratings indicated, based on testing according to NFPA 257 and UL 9.

B. Fire-Rated Wall Assemblies: Assemblies complying with ASTM E119 that are classified and labeled by UL, for fire ratings indicated, based on testing in accordance with UL 263, ASTM E119.

C. Listings and Labels - Fire Rated Assemblies: Under current follow-up service by Underwriters Laboratories® maintaining a current listing or certification. Label assemblies accordance with limits of manufacturer's listing.

1.5 DELIVERY, STORAGE AND HANDLING

A. Deliver, store and handle under provisions specified by manufacturer.

1.6 PROJECT CONDITIONS

A. Obtain field measurements prior to fabrication of frame units. If field measurements will not be available in a timely manner coordinate planned measurements with the work of other sections.

1. Note whether field or planned dimensions were used in the creation of the shop drawings.

B. Coordinate the work of this section with others effected including but not limited to: other interior components and door hardware beyond that provided by this section.

1.7 WARRANTY

A. Provide manufacturer's standard warranty.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Subject to compliance with requirements, provide products by one of the following:

1. McGrory Glass
2. Safety and Fire Technology, Inc.
3. Technical Glass Products – Fireframes Aluminum Series

2.2 PERFORMANCE REQUIREMENTS

A. System Description:

1. Steel fire-rated glazed wall and/or window system, dual aluminum cover cap format

a. Face width – 2 inches.
b. Duration – Windows Capable of providing a fire rating for 60 minutes.
c. Duration – Walls: Capable of providing a fire rating for 60 minutes.

B. Structural Performance

1. Member deflection: Limit deflection of the edge of the glass normal to the plane of the glass to flexure limit of glass.

2. Live load deflection of the construction above assemblies specified in this Section that may be connected to assemblies of this Section shall be limited to 3/16” or less.

2.3 MATERIALS

A. Aluminum Framing System

1. Steel Frame — The steel framing members shall be constructed of two halves of nominal width and depth as required by opening size, glazing size, and frame spacing, with lengths cut according to glazing size.
2. Aluminum Trim — Supplied with the steel framing members. Nominal 2 in. (50.8 mm) wide with lengths cut according to framing system layout.
3. Stainless Steel Standoffs — Supplied with the steel framing members. Nom 5/16 in. (8 mm) diameter with depth adjusted to match glazing thickness.
4. Stainless Steel Moment and Connecting Braces — Supplied with the steel framing members. Sized as required by opening size, glazing size and frame spacing.
5. Framing Member Fasteners — Supplied with the steel framing members. Screws are M6 x16mm Button Head Socket Cap Screws for frame assembly and #6 x 1” Pan Head Sheet Metal Screws for door installation.
6. Glazing Gasket - Supplied with the steel framing members. Applied to the steel framing members to cushion and seal the glazing material when installed. Color: black.

B. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.

1. Extruded Bars, Rods, Shapes, and Tubes: ASTM B 221 (ASTM B 221M).

C. Steel Reinforcement: Use manufacturer's standard corrosion-resistant primer complying with SSPC-PS Guide No. 12.00 applied immediately after surface preparation and pretreatment. Select surface preparation methods according to recommendations in SSPC-SP COM and prepare surfaces according to applicable SSPC standard.

1. Structural Shapes, Plates, and Bars: ASTM A 36/A 36M Standard Specification for Carbon Structural Steel.
2. Cold-Rolled Sheet and Strip: ASTM A1008/A1008M Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Required Hardness, Solution Hardened, and Bake Hardenable
3. Hot-Rolled Sheet and Strip: ASTM A1011/A1011M Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength

D. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, nonstaining, nonbleeding fasteners and accessories compatible with adjacent materials.

1. Where fasteners are subject to loosening or turn out from thermal and structural movements, or vibration, use self-locking devices.
2. Reinforce members as required to receive fastener threads.

2.4 ACCESSORIES

A. Fasteners: Use fasteners fabricated from Type 304 or Type 316 stainless steel.

B. Glazing Gaskets:

1. ASTM C 864 (extruded EPDM rubber that provides for silicone adhesion) or ASTM C1115 Standard Specification for Dense Elastomeric Silicone Rubber Gaskets and Accessories (extruded silicone).

C. Intumescent Tape: As supplied by frame manufacturer.

D. Setting Blocks: ¼" Calcium silicate.

E. Perimeter Anchors: Steel.

F. Silicone Sealant: One-Part Low Modulus, neutral cure High Movement-Capable Sealant: Type S; Grade NS; Class 25 with additional movement capability of 100 percent in extension and 50 percent in compression; Use (Exposure) NT; Uses (Substrates) M, G, A, and O as applicable. (Use-O joint substrates include: Metal factory-coated with a high-performance coating; galvanized steel; ceramic tile.)

1. Available Products:

a. Momentive
b. Tremco
c. Dow

G. Intumescent Caulk: Single component, latex-based, intumescent caulk designed to stop passage of fire, smoke, and fumes through fire-rated separations; permanently flexible after cure; will not support mold growth; flame spread/smoke developed 10/10.

1. Available Products:

a. 3M CP 25WB+

2.5 SLAG-WOOL-FIBER / ROCK-WOOL-FIBER INSULATION

A. Available Manufacturers:

1. Fibrex Insulations Inc.
2. Owens Corning
3. Thermafiber.
4. Rockwool

B. Unfaced, Slag-Wool-Fiber/Rock-Wool-Fiber Board Insulation: ASTM C 612, maximum flame-spread and smoke-developed indexes of 15 and 0, respectively; passing ASTM E 136 for combustion characteristics; and of the following nominal density and thermal resistivity:

1. Nominal density of 4 lb/cu. ft. (64 kg/cu. m), Types IA and IB, thermal resistivity of 4 deg F x h x sq. ft./Btu x in. at 75 deg F (27.7 K x m/W at 24 deg C).
2. Fiber Color: Regular color, unless otherwise indicated.

2.6 FABRICATION

A. Obtain reviewed shop drawings prior to fabrication.

B. Fabrication Dimensions: Fabricate fire-rated assembly to field dimensions or guaranteed openings.

C. Factory prepared, fire-rated steel door assemblies by TGP to be prehung, prefinished with hardware preinstalled for field mounting.

D. Field glaze door and frame assemblies.

2.7 FINISHES

A. Finish after fabrication.

B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces or noticeable variations in the same piece are not acceptable.

C. Aluminum Finishes

1. High-Performance Organic Finish (2-Coat Fluoropolymer): AA-C12C40R1x (Chemical Finish: cleaned with inhibited chemicals; Chemical Finish: conversion coating; Organic Coating: manufacturer's standard 2-coat, thermocured system consisting of specially formulated inhibitive primer and fluoropolymer color topcoat containing not less than 70 percent polyvinylidene fluoride resin by weight). Prepare, pretreat, and apply coating to exposed metal surfaces to comply with AAMA 2605 and with coating and resin manufacturers' written instructions.
2. Color and Gloss: As selected by Architect from manufacturer's full range.

PART 3 - **EXECUTION**

3.1 EXAMINATION

A. Site Verification of Conditions: Verify substrate conditions (which have been previously installed under other sections) are acceptable for product installation in accordance with manufacturer’s instructions. Verify openings are sized to receive curtain wall system and sill plate is level in accordance with manufacturer’s acceptable tolerances.

B. Notify Architect of any conditions which jeopardize the integrity of the proposed fire wall / door system.

C. Do not proceed until such conditions are corrected.

3.2 INSTALLATION

A. Install framing system in accordance with manufacturer’s Installation Manual.

3.3 REPAIR AND TOUCH UP

B. Powder Coated Finishes

1. Limited to minor repair of small scratches. Use only manufacturer's recommended products.
2. Such repairs shall match original finish for quality or material and view.
3. Repairs and touch-up not visible from a distance of 5 feet Owner and Architect to approve.

C. Remove and replace glass that is broken, chipped, cracked, abraded, or damaged.

3.4 PROTECTION AND CLEANING

A. Protect glass from damage immediately after installation by attaching crossed streamers to framing held away from glass. Do not apply markers to glass surface. Remove nonpermanent labels, and clean surfaces.

1. Do not clean with astringent cleaners. Use a clean "grit free" cloth and a small amount of mild soap and water or mild detergent.
2. Do not use any of the following:

a. Steam jets
b. Abrasives
c. Strong acidic or alkaline detergents, or surface-reactive agents
d. Detergents not recommended in writing by the manufacturer
e. Do not use any detergent above 77 degrees F
f. Organic solvents including but not limited to those containing ester, ketones, alcohols, aromatic compounds, glycol ether, or halogenated hydrocarbons.
g. Metal or hard parts of cleaning equipment must not touch the glass surface

B. Protect glass from contact with contaminating substances resulting from construction operations, including weld splatter. If, despite such protection, contaminating substances do come into contact with glass, remove them immediately as recommended by glass manufacturer.

C. Wash glass on both exposed surfaces in each area of Project not more than four days before date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended by glass manufacturer.

END OF SECTION 084123

SECTION 095113 - ACOUSTICAL PANEL CEILINGS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

B. Section Includes:

1. Acoustical Panels for ceilings.
2. Exposed grid suspension system.
3. Wire hangers, fasters, main runners, cross tees, and wall angle moldings.
4. Metal edge moldings, trims, and accessories.

C. Related Requirements:

1. Section 092900 "Gypsum Board" for suspended gypsum board ceilings and accessories.
2. Division 23 - HVAC
3. Division 26 - Electrical Work

1.2 PREINSTALLATION MEETINGS

A. Pre-Installation Conference: Convene minimum two weeks prior to starting work of this section. Agenda shall include project conditions, coordination with work of other trades, and layout of items that penetrate ceilings. Conference shall be attended by Contractor, related subcontractors, and Architect.

1.3 ACTION SUBMITTALS

A. Product Data:

1. Acoustical panels. (Acoustic Tile)
2. Metal suspension system.
3. Metal edge molding, trim, and other accessories.

B. Samples: For each exposed product and for each color and texture specified, 6 inches (150 mm) in size.

C. Samples for Verification: For each component indicated and for each exposed finish required, prepared on Samples of sizes indicated below:

1. Acoustical Panels: Set of 6-inch- (150-mm) square. Samples of each type, color, pattern, and texture.
2. Exposed Suspension-System Members, Moldings, and Trim: Set of 6-inch (150-mm) long Samples of each type, finish, and color.
3. Clips: Full-size.

1.4 INFORMATIONAL SUBMITTALS

A. Coordination Drawings: Reflected ceiling plans, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:

1. Ceiling suspension-system members.
2. Structural members to which suspension systems will be attached.
3. Method of attaching hangers to building structure.

    a. Furnish layouts for cast-in-place anchors, clips, and other ceiling attachment devices whose installation is specified in other Sections.

4. Carrying channels or other supplemental support for hanger-wire attachment where conditions do not permit installation of hanger wires at required spacing.
5. Size and location of initial access modules for acoustical panels.
6. Items penetrating finished ceiling and ceiling-mounted items including the following:

    a. Lighting fixtures.
    b. Diffusers.
    c. Grilles.
    d. Speakers.
    e. Sprinklers.
    f. Access panels.
    g. Perimeter moldings.
    h. Security cameras and other technology.

7. Show operation of hinged and sliding components covered by or adjacent to acoustical tile panels.
8. Minimum Drawing Scale: 1/8 inch = 1 foot (1:96).

B. Qualification Data: For testing agency.

C. Product Test Reports: For each acoustical panel ceiling, for tests performed by a qualified testing agency.

D. Evaluation Reports: For each acoustical panel ceiling suspension system, anchor, and fastener type, from ICC-ES.

E. Field quality-control reports.

F. Build America, Buy America Act (BABAA): Submit certifications on compliance with BABAA requirements for all materials and products specified herein.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: Provide manufacturer's maintenance instructions that include recommendations for periodic checking, adjustment, periodic cleaning, and maintenance of all components.

1.6 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Acoustical Ceiling Units: Full-size panels equal to (1) carton of each type installed.
2. Suspension-System Components: Quantity of each exposed component equal to (1) percent of quantity installed.

1.7 QUALITY ASSURANCE

A. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.

1. Build mockup of typical ceiling area in Staff Area and one in Lobby/Pre-Function area.
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.

B. Manufacturer & Installer: Firm manufacturing the specified product shall have adequate capacity required for projects listed and have successfully completed similar projects for a period of not less than five years. The Installer should be approved by the manufacturer as qualified to perform work required with minimum of 2 years documented experience installing projects of similar size and complexity.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Deliver acoustical panels, suspension-system components, and accessories to Project site and store them in a fully enclosed, conditioned space where they will be protected against damage from moisture, humidity, temperature extremes, direct sunlight, surface contamination, and other causes.

B. Before installing acoustical panels, permit them to reach room temperature and a stabilized moisture content.

1.9 FIELD CONDITIONS

A. Environmental Limitations: Do not install acoustical panel ceilings until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

1. Pressurized Plenums: Operate ventilation system for not less than 48 hours before beginning acoustical panel ceiling installation.

B. Mechanical, electrical, and other utility services above the ceiling plane shall be completed. No materials should rest against, or wrap around, the ceiling suspension components or connecting hangers.

C. Heating and cooling systems shall be operating before, during, and after installation, with the humidity of the interior spaces maintained between 25 and 55 percent, and a temperature between 60 to 90 degrees F.

1.10 WARRANTY

A. Furnish to the Architect in the Owner's name, the manufacturers' written guarantee covering the products supplied against defects in materials and workmanship under normal operating conditions for a period of one year from the date of shipment. Submit certificates of compliance showing warranty period by dates for each project completed to the Owner.

1. All system components shall be manufactured and supplied by the named manufacturer. Individual components, provided by individual suppliers will not be considered or accepted.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

A. Source Limitations for Ceiling System: Obtain each type of acoustical ceiling panel and its supporting suspension system from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

A. Seismic Performance: Suspended ceilings to withstand the effects of earthquake motions determined in accordance with ASCE/SEI 7.

B. Surface-Burning Characteristics: Comply with ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1. Flame-Spread Index: Class A in accordance with ASTM E1264.

a. Type XII, Form 2, Pattern G

2. Flame Spread: 25 or less.
3. Smoke-Developed Index: 50 or less.

2.3 MANUFACTURERS

A. Subject to compliance with requirements, provide product indicated on Drawings or comparable product by one of the following:

1. Armstrong World Industries, Inc. (Basis of Design, ACT-1, ACT-2, ACT-3, ACT-4).
2. Frasch! (Basis of Design, ASB-1)
3. Or equal, must be submitted to architect for review and approval prior to bid date. Approvals will be communicated through an addendum. Requests must be submitted 10 days prior to bid date for approvals.

    a. Products must be BABAA Compliant.

2.4 ACOUSTICAL PANELS (ACT-1, ACT-2, ACT-3, ACT-4)

A. Acoustical Panel Standard: Provide manufacturer's standard panels in accordance with ASTM E1264 and designated by type, form, pattern, acoustical rating, and light reflectance unless otherwise indicated.

B. Acoustic Panel Types:

1. ACT-1 as follows:

    a. Type and Form: Type A: Wet-formed mineral base with factory painted finish; Form 2.2; Fire Class A.
    b. Pattern: E (lightly textured).
    c. Acceptable Product: Ultima, #1912, No added formaldehyde as manufactured by Armstrong World Industries
    d. Color: White (WH).
    e. Light Reflectance (LR): ASTM E 1477; Not less than 0.88.
    f. Ceiling Attenuation Class (CAC): ASTM C 1414; Not less than 35.
    g. Noise Reduction Coefficient (NRC): ASTM C 423; Not less than 0.75.
    h. Articulation Class (AC): ASTM E 1111.
    i. Edge/Joint Detail: Beveled Tegular 9/16-inch for interface with SUPRAFINE XL 9/16" Exposed Tee grid.
    j. Thickness:

        1) 3/4 inch (19 mm).

    k. Modular Size: 24 by 24 inches (610 by 610 mm).

2. ACT-2 as follows:

    a. Type and Form: Type A: Wet-formed mineral base with factory painted finish; Form 1.2; ASTM E84 Fire Class A.
    b. Pattern: E (lightly textured).
    c. Acceptable Product: Calla, #2824, No added formaldehyde as manufactured by Armstrong World Industries
    d. Color: Light Grey (MLG) from MFG standard available colors.
    e. Light Reflectance (LR): ASTM E 1477; Not less than 0.85.
    f. Ceiling Attenuation Class (CAC): ASTM C 1414; Not less than 35.
    g. Noise Reduction Coefficient (NRC): ASTM C 423; Not less than 0.85.
    h. Articulation Class (AC): ASTM E 1111.
    i. Edge/Joint Detail: Beveled Tegular 9/16-inch for interface with SUPRAFINE XL 9/16" Exposed Tee grid.

j. Thickness:

1) 1-inch (25.4 mm).

k. Modular Size: 24 by 24 inches (610 by 610 mm).

3. ACT-3 as follows:

a. Type and Form: Type A: Wet-formed mineral base with factory painted finish; Form 1.2; ASTM E84 Fire Class A.
b. Pattern: E (lightly textured).
c. Acceptable Product: Calla, #2824, No added formaldehyde as manufactured by Armstrong World Industries
d. Color: Grey Stone (MGS) from MFG standard available colors.
e. Light Reflectance (LR): ASTM E 1477; Not less than 0.85.
f. Ceiling Attenuation Class (CAC): ASTM C 1414; Not less than 35.
g. Noise Reduction Coefficient (NRC): ASTM C 423; Not less than 0.85.
h. Articulation Class (AC): ASTM E 1111.
i. Edge/Joint Detail: Beveled Tegular 9/16-inch for interface with SUPRAFINE XL 9/16" Exposed Tee grid.
j. Thickness:

1) 1-inch (25.4 mm).

k. Modular Size: 24 by 24 inches (610 by 610 mm).

4. ACT-4 as follows:

a. Type and Form: Type A: Wet-formed mineral base with factory painted finish; Form 1.2; ASTM E84 Fire Class A.
b. Pattern: E (lightly textured).
c. Acceptable Product: Calla, #2824, No added formaldehyde as manufactured by Armstrong World Industries
d. Color: Custom color to match FSU branding color.
e. Light Reflectance (LR): ASTM E 1477; Not less than 0.85.
f. Ceiling Attenuation Class (CAC): ASTM C 1414; Not less than 35.
g. Noise Reduction Coefficient (NRC): ASTM C 423; Not less than 0.85.
h. Articulation Class (AC): ASTM E 1111.
i. Edge/Joint Detail: Beveled Tegular 9/16-inch for interface with SUPRAFINE XL 9/16" Exposed Tee grid.
j. Thickness:

1) 1-inch (25.4 mm).

k. Modular Size: 24 by 24 inches (610 by 610 mm).

C. Dimensional Stability: HumiGuard Plus

D. Antimicrobial Treatment: Manufacturer's standard broad spectrum, antimicrobial formulation that inhibits fungus, mold, mildew, and gram-positive and gram-negative bacteria and showing no mold, mildew, or bacterial growth when tested in accordance

with ASTM D3273, ASTM D3274, or ASTM G21 and evaluated in accordance with ASTM D3274 or ASTM G21.

1. Armstrong BiBlock, Basis of Design

E. Dimensional Stability: HumiGuard Plus

F. Antimicrobial Treatment: Manufacturer's standard broad spectrum, antimicrobial formulation that inhibits fungus, mold, mildew, and gram-positive and gram-negative bacteria and showing no mold, mildew, or bacterial growth when tested in accordance with ASTM D3273, ASTM D3274, or ASTM G21 and evaluated in accordance with ASTM D3274 or ASTM G21.

1. Armstrong BiBlock, Basis of Design

2.5 ACOUSTICAL PET PANELS (ASB-1)

A. Acoustical Panel Standard: Provide manufacturer's standard panels in accordance with ASTM E1264 and designated by type, form, pattern, acoustical rating, and light reflectance unless otherwise indicated.

B. Acoustic Panel Types:

1. ASB-1 as follows:

a. Type and Form: 100% PET (55% recycled PET); ASTM E84 Fire Class A.
b. Pattern: Linear with 77.9% openness and acoustic mesh backing.
c. Acceptable Product: Linyfelt 2x2 – Uniform Height (Ceilings) & Linyfelt 8L (Wall Mounted), No added formaldehyde as manufactured by Frasch!
d. PET Blade Color: Smoky Beige.
e. Mesh backing color: Black
f. Ceiling Attenuation Class (CAC): ASTM C 1414; Not less than 35.
g. Noise Reduction Coefficient (NRC): ASTM C 423; Not less than 0.65.
h. Articulation Class (AC): ASTM E 1111.
i. Edge/Joint Detail: Manufacturer’s standard profile for interface with Armstrong World Industries SUPRAFINE XL 9/16" Exposed Tee grid.
j. Linear Blade Thickness:

1) Linyfelt 2x2 (Ceilings) 1.54-inch (39 mm).

2) Linyfelt 8L (Wall Mounted) 1.54-inch (39 mm).

k. Linyfelt 2x2 (Ceilings) Modular Panel Size: 24 by 24 inches (608 mm by 608 mm) by 2-inches (58 mm) overall height.

l. Linyfelt 8L (Wall Mounted) Modular Panel Size: 96 by 24 inches (2440 mm by 608 mm) by 2-inches (58 mm) overall height.

2.6 METAL SUSPENSION SYSTEM (for ACT & ASB)

A. Metal Suspension-System Standard: Provide manufacturer's standard, direct-hung, metal suspension system and accessories in accordance with ASTM C635/C635M and designated by type, structural classification, and finish indicated.

B. Narrow-Face, Capped, Double-Web, Steel Suspension System: Main and cross runners roll formed from cold-rolled steel sheet; pre-painted, electrolytically zinc coated, or hot-dip galvanized, G30 (Z90) coating designation; with prefinished 9/16-inch (15-mm) wide metal caps on flanges.

1. Structural Classification: ASTM C 635 Heavy-duty system.
2. End Condition of Cross Runners: Staked-on clip. Override (stepped) type.
3. Face Design: Flat, flush.
4. Cap Finish: Prefinished, white

C. Hanger Rods: Mild steel, zinc coated or protected with rust-inhibitive paint.

D. Flat Hangers: Mild steel, zinc coated or protected with rust-inhibitive paint.

E. Angle Hangers: Angles with legs not less than 7/8 inch (22 mm) wide; formed with 0.04-inch (1-mm) thick, galvanized-steel sheet complying with ASTM A653/A653M, G90 (Z275) coating designation; with bolted connections and 5/16-inch (8-mm) diameter bolts.

F. Hold-Down Clips: Manufacturer's standard hold-down.

1. Provide at building exits and where required for panel stability.

G. Seismic Clips: Manufacturer's standard seismic clips designed to secure acoustical panels in place during a seismic event.

H. Seismic Stabilizer Bars: Manufacturer's standard perimeter stabilizers designed to accommodate seismic forces.

I. Seismic Struts: Manufacturer's standard compression struts designed to accommodate seismic forces.

2.7 ACCESSORIES

A. Attachment Devices: Size for five times the design load indicated in ASTM C635/C635M, Table 1, "Direct Hung," unless otherwise indicated. Comply with seismic design requirements.

1. Armstrong World Industries (Basis of Design)

B. Wire Hangers, Braces, and Ties: Provide wires as follows:

1. Zinc-Coated, Carbon-Steel Wire: ASTM A641/A641M, Class 1 zinc coating, soft temper.

2. Size: Wire diameter sufficient for its stress at three times hanger design load (ASTM C635/C635M, Table 1, "Direct Hung") will be less than yield stress of wire, but not less than 12 gauge 0.08-inch (2.05-mm) diameter wire.

2.8 METAL EDGE MOLDINGS AND TRIM

A. Roll-Formed, Sheet-Metal Edge Moldings and Trim: Type and profile indicated or, if not indicated, manufacturer's standard moldings for edges and penetrations that comply with seismic design requirements; formed from sheet metal of same material, finish, and color as that used for exposed flanges of suspension-system runners.

1. Manufacturers:

    a. Armstrong World Industries (Basis of Design)

2. Edge moldings to fit acoustical panel edge details and suspension systems indicated and match width and configuration of exposed runners unless otherwise indicated.
3. For lay-in panels with reveal edge details, provide stepped edge molding that forms reveal of same depth and width as that formed between edge of panel and flange at exposed suspension member.
4. For circular penetrations of ceiling, provide edge moldings fabricated to diameter required to fit penetration exactly.

B. Extruded-Aluminum Edge Moldings and Trim: Where indicated, provide manufacturer's extruded-aluminum edge moldings and trim of profile indicated or referenced by manufacturer's designations, including splice plates, corner pieces, attachment and other clips, complying with seismic design requirements.

1. Powder-Coat Finish: Minimum dry film thickness of 1.5 mils (0.04 mm). Comply with ASTM C635/C635M and coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.

C. Acceptable Product: Axiom Classic Trim as manufactured by Armstrong World Industries.

1. Sizes: 4-inch high

    a. Locate at ASB-1 edge between ASB to ACT transitions and as Indicated in Drawings

2. Color: White (WH) to match suspension system.

2.9 ACOUSTICAL SEALANT

A. Acoustical Sealant: As specified in Section 079219 "Acoustical Joint Sealants."

2.10 MISCELLANEOUS MATERIALS

A. Acoustical Tile Adhesive: Type recommended in writing by acoustical tile manufacturer, bearing UL label for Class 0-25 flame spread.

B. ACT Tile Edge Sealant: for cut tile edges, 2630 0691 Connect Edge Sealant.

C. Include all accessories and fasteners for complete ASB assembly and installation.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, including structural framing to which acoustical panel ceilings attach or abut, with Installer present, for compliance with requirements specified in this and other Sections that affect ceiling installation and anchorage and with requirements for installation tolerances and other conditions affecting performance of acoustical panel ceilings.

B. Examine acoustical panels before installation. Reject acoustical panels that are wet, moisture damaged, or mold damaged.

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

3.2 PREPARATION

A. Measure each ceiling area and establish layout of acoustical panels to balance border widths at opposite edges of each ceiling. Avoid using less-than-half-width panels at borders unless otherwise indicated and comply with layout shown on reflected ceiling plans.

B. Layout openings for penetrations centered on the penetrating items.

3.3 INSTALLATION OF SUSPENDED ACOUSTICAL PANEL CEILINGS

A. Install suspended acoustical panel ceilings in accordance with ASTM C636/C636M**,** local seismic design requirements, and manufacturer's written instructions.

B. Suspend ceiling hangers from building's structural members and as follows:

1. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structure or of ceiling suspension system.
2. Splay hangers only where required to miss obstructions; offset resulting horizontal forces by bracing, counter-splaying, or other equally effective means.
3. Where width of ducts and other construction within ceiling plenum produces hanger spacings that interfere with location of hangers at spacings required to support standard suspension-system members, install supplemental suspension members and hangers in form of trapezes or equivalent devices.

4. Secure wire hangers to ceiling-suspension members and to supports above with a minimum of three tight turns. Connect hangers directly to structure or to inserts, eye screws, or other devices that are secure and appropriate for substrate and that will not deteriorate or otherwise fail due to age, corrosion, or elevated temperatures.
5. Secure flat, angle, channel, and rod hangers to structure, including intermediate framing members, by attaching to inserts, eye screws, or other devices that are secure and appropriate for both the structure to which hangers are attached and the type of hanger involved. Install hangers in a manner that will not cause them to deteriorate or fail due to age, corrosion, or elevated temperatures.
6. Attach hangers to structural members.
7. When steel framing does not permit installation of hanger wires at spacing required, install carrying channels or other supplemental support for attachment of hanger wires.
    a. Do not attach hangers to steel deck tabs.
    b. Do not attach hangers to steel roof deck.
8. Space hangers not more than 48 inches (1200 mm) o.c. along each member supported directly from hangers unless otherwise indicated; provide hangers not more than 8 inches (200 mm) from ends of each member.
9. Size supplemental suspension members and hangers to support ceiling loads within performance limits established by referenced standards.

C. Secure bracing wires to ceiling suspension members and to supports with a minimum of four tight turns per ASTM C636/C636M. Suspend bracing from building's structural members as required for hangers, without attaching to permanent metal forms, steel deck, or steel deck tabs. Fasten bracing wires into concrete with cast-in-place or post-installed anchors.

D. Install edge moldings and trim of type indicated at perimeter of acoustical ceiling area and where necessary to conceal edges of acoustical panels.
1. Apply acoustical sealant in a continuous ribbon concealed on back of vertical legs of moldings before they are installed.
2. Screw-attach moldings to substrate at intervals not more than 16 inches (400 mm) o.c. and not more than 3 inches (75 mm) from ends. Miter corners accurately and connect securely.
3. Do not use exposed fasteners, including pop rivets, on moldings and trim.

E. Install suspension-system runners so they are square and securely interlocked with one another. Remove and replace dented, bent, or kinked members.

F. Install acoustical panels with undamaged edges and fit accurately into suspension-system runners and edge moldings. Scribe and cut panels at borders and penetrations to provide precise fit.
1. For reveal-edged panels on suspension-system runners, install panels with bottom of reveal in firm contact with top surface of runner flanges.
2. Paint cut edges of panel remaining exposed after installation; match color of exposed panel surfaces using coating recommended in writing for this purpose by acoustical panel manufacturer.

3. Install hold-down clips in areas indicated; space in accordance with panel manufacturer's written instructions unless otherwise indicated.

   a. Hold-Down Clips: Space 24 inches (610 mm) o.c. on all cross runners.
   b. Locate at building exit locations

3.4 ERECTION TOLERANCES

A. Suspended Ceilings: Install main and cross runners level to a tolerance of 1/8 inch in 12 feet (3 mm in 3.6 m, non-cumulative.

B. Moldings and Trim: Install moldings and trim to substrate and level with ceiling suspension system to a tolerance of 1/8 inch in 12 feet (3 mm in 3.6 m), non-cumulative.

3.5 FIELD QUALITY CONTROL

A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.

B. Perform the following tests and inspections of completed installations of acoustical panel ceiling hangers and anchors and fasteners in successive stages and when installation of ceiling suspension systems on each floor has reached 20 percent completion, but no panels have been installed. Do not proceed with installations of acoustical panel ceiling hangers for the next area until test results for previously completed installations of acoustical panel ceiling hangers show compliance with requirements.

   1. When testing discovers fasteners and anchors that do not comply with requirements, testing agency will test those anchors not previously tested until 20 pass consecutively and then will resume initial testing frequency.

C. Acoustical panel ceiling hangers, anchors, and fasteners will be considered defective if they do not pass tests and inspections.

D. Prepare test and inspection reports.

3.6 CLEANING

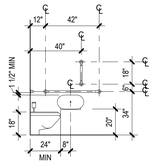
A. Clean exposed surfaces of acoustical panel ceilings, including trim, edge moldings, and suspension-system members. Comply with manufacturer's written instructions for cleaning and touchup of minor finish damage.

B. Remove and replace ceiling components that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

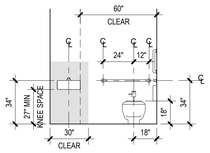
END OF SECTION 095113

ACCESSORY ELEVATION LEGEND

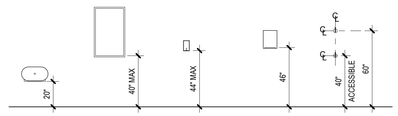
NOTE:
PROVIDE SOLID BLOCKING FOR ALL ACCESSORY INSTALLATIONS.



ACCESSIBLE WATER CLOSET - ADULT
SIDE ELEVATION



ACCESSIBLE WATER CLOSET - ADULT
FRONT ELEVATION



TOILET PAPER DISPENSER | ACCESSIBLE MIRROR | ACCESSIBLE SOAP DISPENSER | ACCESSIBLE PAPER TOWEL DISPENSER | HOOKS

NO.	DESCRIPTION	TOP OF SEAT HGT.
WC-1	ACCESSIBLE	17" MIN-19" MAX
REFER TO PLUMBING DWGS		

GENERAL NOTES

1. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION WITH THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
2. PROVIDE BLOCKING FOR SUPPORT OF ALL WALL ATTACHMENTS INCLUDING BUT NOT LIMITED TO WALL ACCESSORIES (HANDRAILS, BUMPERS, GUARDS, ETC), TOILET ACCESSORIES (GRAB BARS, DIAPER CHANGING STATIONS, ETC), WALL MOUNTED DIGITAL DISPLAYS, MARKERBOARDS, BASE AND WALL CABINETS. CONTRACTOR SHALL COORDINATE AND VERIFY ALL REQUIREMENTS FOR ATTACHMENTS.
3. DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION AND INSTALLATION OF CABINETRY. REFER TO GENERAL WOOD WORK NOTES FOR ADDITIONAL INFORMATION.
4. ALL WORK CONSIDERED NEW, UNLESS OTHERWISE NOTED.
5. ALL GRIDS EXISTING, VERIFY DIMENSIONS IN FIELD.
6. ALL DOORS TO BE FRAMED MINIMUM 4" FROM INSIDE FACE OF JAMB TO PERPENDICULAR WALL.

REFLECTED CEILING PLAN GENERAL NOTES

1. THE CONTRACTOR MUST SUBMIT TO ARCHITECT A COORDINATED REFLECTED CEILING PLAN FOR REVIEW AND APPROVAL INCORPORATING LIGHT FIXTURES, SPRINKLER HEADS AND MECHANICAL LAYOUTS.
2. REFER TO HVAC DRAWINGS FOR LOCATION OF SUPPLY DIFFUSERS AND RETURN GRILLES.
3. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES AND CEILING MOUNTED SMOKE DETECTORS, SPEAKERS, FIRE ALARM DEVICES, ETC.
4. SPRINKLER HEADS ARE NOT INDICATED ON THE REFLECTED CEILING PLANS. SPRINKLER HEADS TO ALIGN WITH EACH OTHER IN BOTH NORTH / SOUTH AND EAST / WEST DIRECTIONS WHERE THEY OCCUR IN A SINGLE SPACE. SIMILARLY FOR OTHER CEILING DEVICES. REFER TO FIRE PROTECTION DRAWINGS.
5. THE CONTRACTOR SHALL VERIFY THAT ACCESS PANELS OF APPROPRIATE SIZE AND TYPE OF ACCESS AND SERVICE EQUIPMENT SHOULD BE INSTALLED IN GYPSUM BOARD CEILINGS OR SOFFITS AND OTHER NON ACCESSIBLE TYPE CEILINGS OR SOFFITS WHERE ACCESS, SERVICES OR ADJUSTMENT TO MECHANICAL, PLUMBING OR ELECTRICAL ITEMS MAY BE NEEDED. ACCESS PANELS SHALL BE OF FIRE RATED TYPE EQUAL TO THE RATING OF THE CEILING OR SOFFIT IN WHICH THEY OCCUR.
6. THE CONTRACTOR SHALL PROVIDE ACCESS PANELS IN GYPSUM BOARD CEILINGS AND IN HARD SURFACE SOFFITS SO THAT THE ARCHITECT, THE STATE AND LOCAL OFFICIALS CAN INSPECT RATED WALLS. THESE ACCESS PANELS SHALL BE LOCATED AS NECESSARY TO VIEW ALL SURFACES OF THE RATED WALL(S).
7. NO EXPOSED FASTENERS.

SYMBOL LEGEND

EXISTING CONSTRUCTION

NEW CONSTRUCTION

WALL PARTITION TYPE. REFER TO SHEET G0.02 FOR ADDITIONAL INFORMATION.

INDICATES TOILET ACCESSORIES FOR THIS DRAWING ONLY. SEE TOILET ROOM ACCESSORIES LIST.

SYMBOL LEGEND

EXISTING CONSTRUCTION

NEW CONSTRUCTION

OUT OF SCOPE

CEILING TYPES:

SEE FINISH SCHEDULE FOR FURTHER INFORMATION.

ACT-1: ACOUSTICAL CEILING TILE

ACT-2: COLORED ACOUSTICAL CEILING TILE

GYP: GYPSUM BOARD

ASB-1: ACOUSTICAL SUSPENDED BAFFLES

PMP-1: PERFORATED METAL PANEL

NO CEILING - EXPOSED

FIXTURES:

SEE ELECTRICAL DWGS FOR FURTHER INFORMATION.

INDIRECT/DIRECT LINEAR PENDENT

RECESSED LINEAR

2 x 2 FLAT PANEL LED FIXTURE

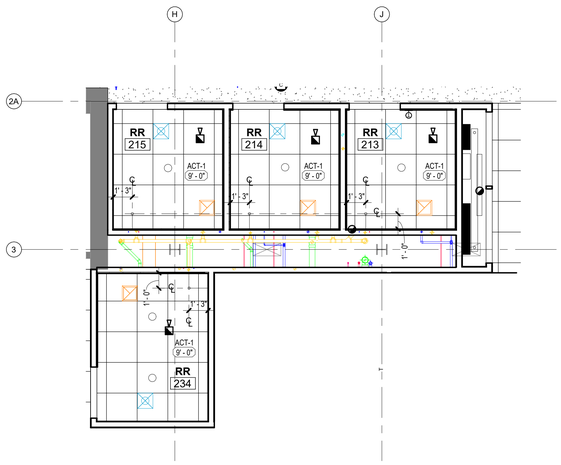
RECESSED CAN LIGHT

DECORATIVE GLOBE PENDENT

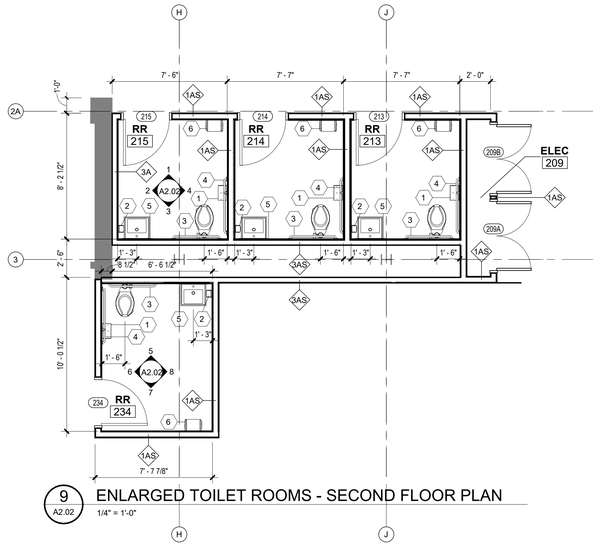
DECORATIVE ACOUSTIC PENDENT

TOILET ACCESSORIES SCHEDULE

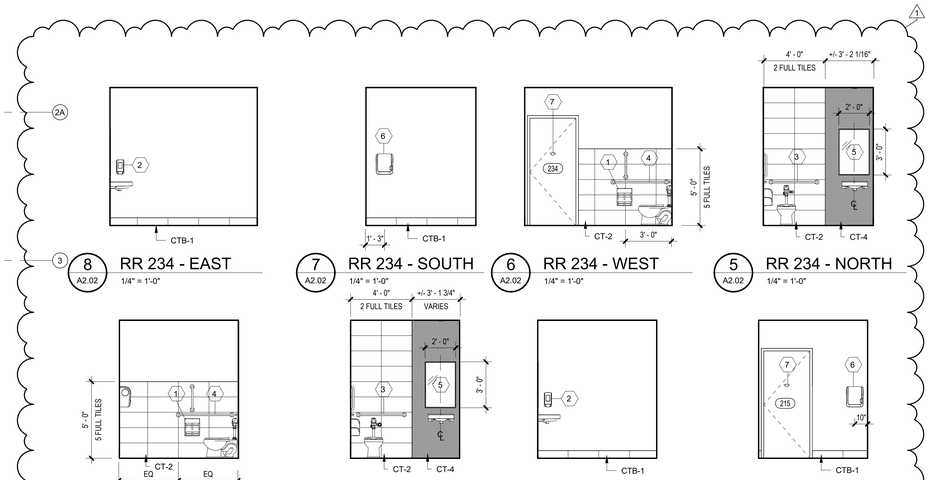
TAG #	DESCRIPTION	MANUFACTURER	MODEL #
1	4-Roll Vertical Toilet Paper Dispenser	GP PRO Georgia-Pacific LLC	56748
2	Wall-Mounted Manual Dispenser	GP PRO Georgia-Pacific LLC	53057
3	1 1/4" Diameter Stainless Steel Grab Bars with Snap Flange	Bobrick Washroom Equipment, Inc.	B-5806 Series
4	1 1/4" Diameter Stainless Steel Grab Bars with Snap Flange	Bobrick Washroom Equipment, Inc.	B-5806 Series
5	Glass Frameless Mirror	Bradley Corporation	Model 747 Series
6	Mechanical High-Capacity Paper Towel Dispenser	GP PRO Georgia-Pacific LLC	59589
7	Door-Mounted Hook	Bobrick Washroom Equipment, Inc.	B-672 Series



10 A2.02 ENLARGED TOILET ROOMS - SECOND FLOOR RCP
1/4" = 1'-0"



9 A2.02 ENLARGED TOILET ROOMS - SECOND FLOOR PLAN
1/4" = 1'-0"



8 A2.02 RR 234 - EAST — 1/4" = 1'-0"
7 A2.02 RR 234 - SOUTH — 1/4" = 1'-0"
6 A2.02 RR 234 - WEST — 1/4" = 1'-0"
5 A2.02 RR 234 - NORTH — 1/4" = 1'-0"
4 A2.02 RR 215 - EAST — 1/4" = 1'-0"
3 A2.02 RR 215 - SOUTH — 1/4" = 1'-0"
2 A2.02 RR 215 - WEST — 1/4" = 1'-0"
1 A2.02 RR 215 - NORTH — 1/4" = 1'-0"

NOTE: WALL TILE LAYOUTS FOR ROOMS 214 AND 213 TO MATCH ROOM 215.

2026-05-12 2:31:26 PM

SILLING
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seal

STATE OF WEST VIRGINIA JOSEPH R. KUTZ NO. 5346 REGISTERED ARCHITECT
04.06.2026

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project
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drawing issue
CONSTRUCTION DOCUMENTS 04-06-2026

revisions
1 ADDENDUM 04 05.12.2026

title
ENLARGED TOILET ROOMS

date
04.06.2026

sheet number
A2.02

DOOR AND FRAME SCHEDULE

DOOR #	LOCATION	DOOR (W.xH.xThickness)	DOOR TYPE	DOOR MAT'L	DOOR FINISH	FRAME TYPE	FRAME MAT'L	FRAME FINISH	DOOR DETAILS HEAD	DOOR DETAILS JAMB	DOOR DETAILS SILL	FIRE RATING	HDW. SET	REMARKS:
101B	WORK ROOM	3' - 0"x7' - 0"x0' - 1 3/4"	E	WD	STAIN, WHITE OAK		HM		1/A8.01	5/A8.01	10/A8.01	-	13.0	PUSH PULL W/ BOLT
200	MAIN STAIR	6' - 0"x8' - 0"x0' - 1 3/4"	BB	AL/SG		ISF02	AL					1	14.0	CLASSROOM LOCK W/ EXIT DEVICE
201	HONORS OFFICE	3' - 0"x7' - 0"x0' - 1 3/4"	B	AL/SG	PVDF, WHITE	ISF04	AL		3/A8.01	7/A8.01	10/A8.01	-	2.0	OFFICE LOCK W/ KEY
202	HONORS OFFICE	3' - 0"x7' - 0"x0' - 1 3/4"	B	AL/SG	PVDF, WHITE	ISF05	AL		3/A8.01	7/A8.01	10/A8.01	-	2.0	OFFICE LOCK W/ KEY
204	LEAD OFFICE	3' - 0"x7' - 0"x0' - 1 3/4"	E	WD/SG	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	9.0	OFFICE LOCK W/ KEY
205	LEAD DIR	3' - 0"x7' - 0"x0' - 1 3/4"	E	WD/SG	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	9.0	OFFICE LOCK W/ KEY
206	LEAD WORK ROOM	6' - 0"x7' - 0"x0' - 1 3/4"	BB	WD/SG	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	6.0	STOREROOM LOCK W/ HARDWIRED CARD READER, SCHEDULED TO UNLOCK
208	LEAD AST DIR	3' - 0"x7' - 0"x0' - 1 3/4"	E	WD/SG	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	9.0	OFFICE LOCK W/ KEY
209A	ELEC	4' - 6"x7' - 0"x0' - 1 3/4"	AA	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	7.0	STOREROOM LOCK
209B	ELEC	4' - 6"x7' - 0"x0' - 1 3/4"	AA	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	7.0	STOREROOM LOCK
210	IT	3' - 0"x7' - 0"x0' - 1 3/4"	A	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	8.0	STOREROOM LOCK
211A	TESTING	3' - 0"x7' - 0"x0' - 1 3/4"	A	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	5.0	CLASSROOM LOCK W/ CARD READER
211B	SM TEST	3' - 0"x7' - 0"x0' - 1 3/4"	E	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	11.0	CLASSROOM LOCK
211C	PROCTOR	3' - 0"x7' - 0"x0' - 1 3/4"	A	WD/SG	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	10.0	OFFICE LOCK W/ KEY
212	PROCTOR	3' - 0"x7' - 0"x0' - 1 3/4"	E	WD/SG	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	9.0	OFFICE LOCK W/ KEY
213	RR	3' - 0"x7' - 0"x0' - 1 3/4"	A	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	12.0	PRIVACY THUMBTURN LOCK (UNLOCK WITH KEY) AND OCCUPANCY INDICATOR W/ CLOERS AND HOLD OPEN
214	RR	3' - 0"x7' - 0"x0' - 1 3/4"	A	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	12.0	PRIVACY THUMBTURN LOCK (UNLOCK WITH KEY) AND OCCUPANCY INDICATOR W/ CLOERS AND HOLD OPEN
215	RR	3' - 0"x7' - 0"x0' - 1 3/4"	A	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	12.0	PRIVACY THUMBTURN LOCK (UNLOCK WITH KEY) AND OCCUPANCY INDICATOR W/ CLOERS AND HOLD OPEN
218	STORAGE	3' - 0"x7' - 0"x0' - 1 3/4"	A	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	7.0	STOREROOM LOCK
219A	CLASSROOM	3' - 0"x7' - 0"x0' - 1 3/4"	B	AL/SG	PVDF, WHITE	ISF09	AL		3/A8.01	7/A8.01	10/A8.01	-	3.0	CLASSROOM LOCK W/ EXIT DEVICE
219B	CLASSROOM	3' - 0 1/8"x7' - 0"x0' - 1 3/4"	B	AL/SG	PVDF, WHITE	ISF20	AL		3/A8.01	6/A8.01 7/A8.01	10/A8.01	-	3.0	CLASSROOM LOCK W/ EXIT DEVICE
221	STUDY	3' - 0"x7' - 0"x0' - 1 3/4"	B	AL/SG	PVDF, WHITE	ISF10	AL		3/A8.01	7/A8.01	10/A8.01	-	4.0	CLASSROOM LOCK
222	MIDDLE COLLEGE	3' - 0"x7' - 0"x0' - 1 3/4"	B	AL/SG	PVDF, WHITE	ISF11	AL		3/A8.01	7/A8.01	10/A8.01	-	2.0	OFFICE LOCK W/ KEY
223	STUDY	3' - 0"x7' - 0"x0' - 1 3/4"	B	AL/SG	PVDF, WHITE	ISF12	AL		3/A8.01	7/A8.01	10/A8.01	-	4.0	CLASSROOM LOCK
224	MIDDLE COLLEGE	3' - 0"x7' - 0"x0' - 1 3/4"	B	AL/SG	PVDF, WHITE	ISF13	AL		3/A8.01	7/A8.01	10/A8.01	-	2.0	OFFICE LOCK W/ KEY
225		3' - 0"x7' - 0"x0' - 1 3/4"	B	AL/SG	PVDF, WHITE	ISF20	AL		3/A8.01	6/A8.01 7/A8.01	10/A8.01	-	4.0	CLASSROOM LOCK
226	FLEX STUDY/OFFICE	3' - 0"x7' - 0"x0' - 1 3/4"	B	AL/SG	PVDF, WHITE	ISF16	AL		3/A8.01	7/A8.01	10/A8.01	-	4.0	CLASSROOM LOCK
227	CONFERENCE	3' - 0"x7' - 0"x0' - 1 3/4"	B	AL/SG	PVDF, WHITE	ISF17	AL		3/A8.01	7/A8.01	10/A8.01	-	4.0	CLASSROOM LOCK
229	OFFICE	3' - 0"x7' - 0"x0' - 1 3/4"	E	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	9.0	OFFICE LOCK W/ KEY
230	OFFICE	3' - 0"x7' - 0"x0' - 1 3/4"	E	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	9.0	OFFICE LOCK W/ KEY
231	OFFICE	3' - 0"x7' - 0"x0' - 1 3/4"	E	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	9.0	OFFICE LOCK W/ KEY
233	ANATOMY	3' - 0"x7' - 0"x0' - 1 3/4"	B	AL/SG	PVDF, WHITE	ISF18	AL		3/A8.01	7/A8.01	10/A8.01	-	1.0	STOREROOM LOCK
234	RR	3' - 0"x7' - 0"x0' - 1 3/4"	A	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	-	12.0	PRIVACY THUMBTURN LOCK (UNLOCK WITH KEY) AND OCCUPANCY INDICATOR W/ CLOERS AND HOLD OPEN

DOORS MISSING FROM SCHEDULE

EX108	STAIR	3'-0" X 7'-0" X 1 3/4"	A	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	1	3.0	CLASSROOM LOCK W/EXIT DEVICE
EX124	ELECTRICAL	3'-0" X 7'-0" X 1 3/4"	A	WD	STAIN, WHITE OAK	A	HM		1/A8.01	5/A8.01	10/A8.01	45 MIN	7.0	STOREROOM LOCK

NOTE: REVISION 1 REMOVED THUMBTURN COMMENTS. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION ON HARDWARE SETS.

DOOR AND DOOR FRAME GENERAL NOTES

1. ALL EXTERIOR DOORS SHALL HAVE LOW PROFILE ALUMINUM THRESHOLDS MEETING THE REQUIREMENTS OF ADA.
2. ALL EXTERIOR STEEL DOORS SHALL BE GALVANIZED.
3. ALL EXTERIOR STEEL DOOR FRAMES SHALL BE GALVANIZED.
4. ALL EXTERIOR DOORS SHALL HAVE A DRIP CAP AND TOP CAP AT HEAD OF DOOR.
5. ALL EXTERIOR DOORS SHALL BE WEATHER STRIPED WITH BOTTOM SWEEPS.
6. ALL EXTERIOR STEEL DOORS SHALL BE INSULATED GLASS.
7. VERIFY ACTUAL THROAT DEPTH OF ALL DOOR FRAMES WITH WALL/PARTITION.
8. ALL GLASS IN DOORS AND SIDE LITES SHALL BE SAFETY GLASS. PROVIDE FIRE RATED GLASS WHERE INDICATED ON DOOR AND FRAME SCHEDULE OR AS NOTED ON DRAWINGS.
9. ALL EXTERIOR DOOR FRAMES SHALL BE SEALED AND CAULKED AROUND PERIMETER, HEAD, SILL AND JAMBS.
10. PROVIDE PAD LOCKS KEYED INTO MASTER KEY SYSTEM AT ROOF HATCHES.

DOOR HARDWARE GENERAL NOTES

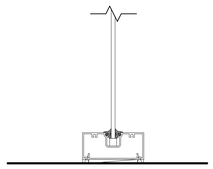
1. CONTRACTOR SHALL REVIEW KEYING OF ALL DOORS WITH OWNER PRIOR TO FABRICATION OF CORES. KEY INTO OWNER'S EXISTING MASTER KEY SYSTEM.
2. ALL DOORS SHALL MEET ALL ADA GUIDELINES.
3. ALL DOORS EQUIPPED WITH LOCKS SHALL ALLOW EGRESS FROM WITHIN THE ROOM WITHOUT THE USE OF KEYS, SPECIAL TOOLS OR KNOWLEDGE.

DOOR FRAME AND HARDWARE ABBREVIATIONS

AL	ALUMINUM	MIN	MINUTE
HM	HOLLOW METAL	MTL	METAL
INSUL	INSULATED	SF	STOREFRONT
INT	INTERIOR	SG	SAFETY GLASS
LAM	LAMINATED	WD	WOOD

REMARKS

- A AUTOMATIC SLIDING DOOR
- B AUTOMATIC DOOR OPENER
- C ACCESS CONTROL
- D ACCESS CONTROL BY OTHERS
- E ALARMED EXIT DEVICE
- F INSULATED GLASS
- G SURFACE MOUNTED WINDOW SHADE IN DOOR LITE
- H SEE MANUFACTURER SPECS AND SIZES
- I LOUVER VENT PANEL IN DOOR

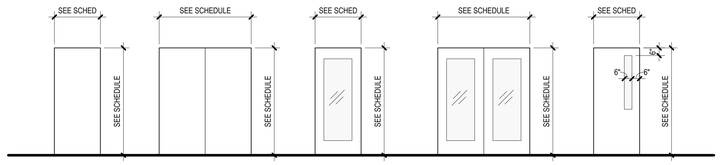


SF2 CENTER GLAZED INTERIOR STOREFRONT SYSTEM.

SEE PROJECT MANUAL FOR FURTHER INFORMATION

GLAZING TYPE

3" = 1'-0"



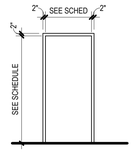
NOTE: TYPE A DOOR MAY HAVE SIDELITE, SEE ELEVATIONS

SEE SCHEDULE FOR DOOR PANEL MATERIAL

NOTE: ALL GLAZING TO BE SAFETY GLASS UNLESS OTHERWISE NOTED OR SCHEDULED

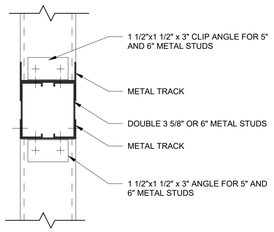
DOOR TYPES

1/4" = 1'-0"



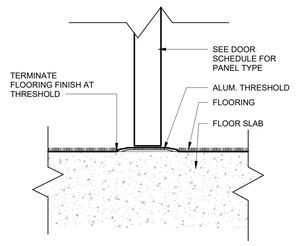
H.M. FRAME TYPES

1/4" = 1'-0"



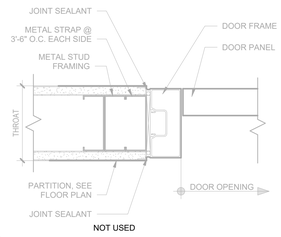
11 A8.01 FRAMED DOOR HEADER, TYP.

3" = 1'-0"



10 A8.01 SILL DETAIL - INTERIOR THRESHOLD

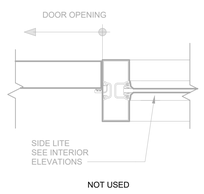
3" = 1'-0"



NOT USED

9 A8.01 JAMB DETAIL - INT. AL

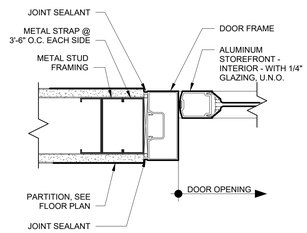
3" = 1'-0"



NOT USED

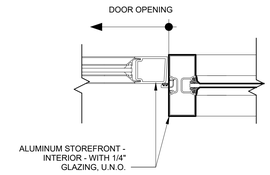
8 A8.01 JAMB DETAIL - INT. AL W/ SIDELITE

3" = 1'-0"



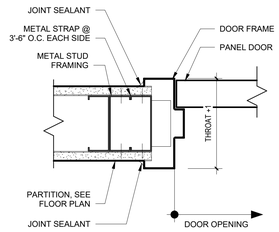
7 A8.01 JAMB DETAIL - INT. AL W/ SF

3" = 1'-0"



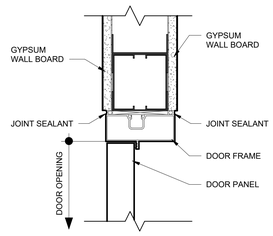
6 A8.01 JAMB DETAIL - INT. AL W/ SF TO SF

3" = 1'-0"



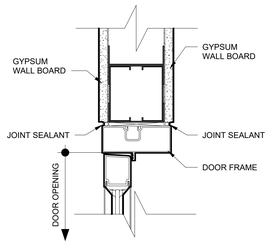
5 A8.01 JAMB DETAIL - INT. HM

3" = 1'-0"



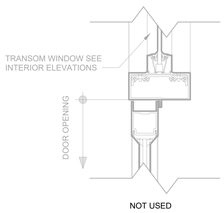
4 A8.01 HEAD DETAIL - INT. AL

3" = 1'-0"



3 A8.01 HEAD DETAIL - INT. AL W/ SF

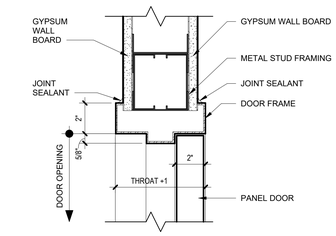
3" = 1'-0"



NOT USED

2 A8.01 HEAD DETAIL - INT. AL W/ SF & TRANSOM

3" = 1'-0"



1 A8.01 HEAD DETAIL - INTERIOR HM

3" = 1'-0"

2025-05-12 2:31:27 PM

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405 Capitol Street, Upper Atrium
Charleston, West Virginia 25301
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seal

STATE OF WEST VIRGINIA JOSEPH R. KUTZ NO. 5346 REGISTERED PROFESSIONAL ENGINEER 04.06.2026

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project

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drawing issue

CONSTRUCTION DOCUMENTS 04-06-2026

revisions

1	ADDENDUM 01	04.24.2026
2	ADDENDUM 03	05.07.2026
3	ADDENDUM 04	05.12.2026

title

DOOR SCHEDULE & DETAILS

date

04.06.2026

sheet number

A8.01

FINISH LEGEND

CARPET (CPT)

CPT-1
- MFG: SHAW CONTRACT
- COLLECTION: LOCAL LANDSCAPES
- STYLE: LANDSCAPE ST604
- COLOR: FOREST 04585
- SIZE: 18" X 36"
- INSTALLATION: ASHLAR
- LOCATION: GENERAL FIELD CARPET

CPT-2
- MFG: SHAW CONTRACT
- COLLECTION: LOCAL LANDSCAPES
- STYLE: MIGRATE ST606
- COLOR: FOREST REDWOOD 04850
- SIZE: 18" X 36"
- INSTALLATION: ASHLAR
- LOCATION: GENERAL FIELD TRANSITION CARPET

CPT-3
- MFG: SHAW CONTRACT
- COLLECTION: LOCAL LANDSCAPES
- STYLE: LANDSCAPE ST604
- COLOR: REDWOOD 04850
- SIZE: 18" X 36"
- INSTALLATION: ASHLAR
- LOCATION: FLOOR 1, 2 & 3 - MAROON ACCENT CARPET

CPT-4
- MFG: SHAW CONTRACT
- COLLECTION: LOCAL LANDSCAPES
- STYLE: LANDSCAPE ST604
- COLOR: LAKE 04486
- SIZE: 18" X 36"
- INSTALLATION: ASHLAR
- LOCATION: FLOOR 2 - BLUE ACCENT CARPET

CPT-5 (NOT USED)

CPT-6
- MFG: MOHAWK GROUP
- COLLECTION: CROSSING CURRENT
- STYLE: REFINED PASS BT582
- COLOR: 978 ALDER
- SIZE: 24" X 24"
- INSTALLATION: ASHLAR
- LOCATION: OFFICES

WALK OFF MAT (WOM)

WOM-1
- MFG: SHAW CONTRACT
- COLLECTION: ALL ACCESS
- STYLE: PATH TILE 5T034
- COLOR: STERLING 34557
- SIZE: 24" X 24"
- INSTALLATION: ASHLAR
- LOCATION: VESTIBULES

RESILIENT (RES)

RES-1
- MFG: INTERFACE FLOORING
- STYLE: BRUSHED LINES 4.5MM
- COLOR: MOUSSE
- SIZE: 25CM X 1M X 4.5MM
- THICKNESS: 4.5MM
- INSTALLATION: ASHLAR
- LOCATION: CLASSROOM, LEAD WORKROOM

STATIC DISSIPATE TILE (SDT)

SDT-1
- MFG: FLEXCO
- STYLE: DELANE ESD VINYL
- COLOR: WARM GRAY 65
- SIZE: 24" X 24" X 1/8" GUAGE
- INSTALLATION: ASHLAR
- LOCATION: LEVEL 1: ELECTRICAL 135
  LEVEL 2: IT 210, ELEC 209

RESILIENT BASE (RB)

RB-1
- MFG.: JOHNSONITE BY TARKETT
- STYLE: COVE BASE (TOE)
- COLOR: TBD
- SIZE: 4"H ROLL
- LOCATION: AREAS OF RESILIENT FLOORING

RB-2
- MFG.: JOHNSONITE BY TARKETT
- STYLE: STRAIGHT BASE (TOELESS)
- COLOR: TBD
- SIZE: 4"H ROLL
- LOCATION: AREAS OF CARPET FLOORING

SEALED CONCRETE (SC)

SC-1
- TYPE: REFER TO SPECIFICATIONS MANUAL
- LOCATION: REFER TO FINISH PLAN FOR LOCATIONS

FLOORING TRANSITIONS (TR)

TR-1
- MFG.: SCHLUTER
- PROFILE: RENO-U
- FINISH: STAINLESS STEEL
- LOCATION: CARPET / CERAMIC TILE

TR-2
- MFG.: JOHNSONITE, BY TARKETT
- PROFILE: REDUCER CRS-29-A
- FINISH: TBD
- LOCATION: RESILIENT OR CARPET / SEALED CONCRETE

TR-3
- MFG.: JOHNSONITE, BY TARKETT
- PROFILE: SLIM LINE TRANSITION SLTC-29-C
- FINISH: TBD
- LOCATION: CARPET / RESILIENT OR SDT

TR-4
- MFG.: SCHLUTER
- PROFILE: RENO-U
- FINISH: STAINLESS STEEL
- LOCATION: CERAMIC TILE / VCT

TR-5
- MFG.: SCHLUTER
- PROFILE: RENO-U
- FINISH: STAINLESS STEEL
- LOCATION: CARPET / EXISTING MARBLE STAIR

TR-6
- MFG.: SCHLUTER
- PROFILE: RENO-U
- FINISH: STAINLESS STEEL
- LOCATION: SDT / VCT

TILE (CT)

CT-1 NOT USED IN PHASE 1

CT-2
- MFG.: DALTILE
- STYLE: SYNCHRONIC
- COLOR: WHITE SY30
- FINISH: MATTE
- SIZE: 12" X 24"
- THICKNESS: 5/16"
- INSTALLATION: STACKED
- LOCATION: RESTROOM WALLS

CT-3
- MFG.: DALTILE
- STYLE: HADDONSTONE
- COLOR: HORIZON VEIN-CUT
- FINISH: MATTE
- SIZE: 12" X 24"
- THICKNESS: 5/16"
- INSTALLATION: STACKED
- LOCATION: RESTROOM FLOORS

CT-4
- MFG.: DALTILE
- STYLE: COLOR WHEEL HERRINGBONE
- COLOR: PLUM CRAZY 1178
- FINISH: GLAZED
- SIZE: 1"X3" HERRINGBONE MOSAIC (DOT MOUNTED ON 9" X 12" SHEET
- THICKNESS: 1/4" THK.
- INSTALLATION: MONOLITHIC
- LOCATION: RESTROOM TILE ACCENT & DRINKING FOUNTAINS

CERAMIC TILE BASE (CTB)

CTB-1
- MFG.: DALTILE
- STYLE: HADDONSTONE COVE BASE
- COLOR: HORIZON VEIN-CUT
- FINISH: MATTE
- SIZE: 6" X 24"
- THICKNESS: 5/16"
- LOCATION: RESTROOM COVE BASE

CERAMIC TILE ACCESSORIES

TOP TRIM ACCESSORY
- MFG: SCHLUTER SYSTEMS
- STYLE: SCHIENE
- FINISH: SATIN ANODIZED ALUMINUM
- LOCATION: RESTROOMS
- NOTE: REFER TO DETAIL TBD

OUTSIDE CORNER ACCESSORY
- MFG: SCHLUTER SYSTEMS
- STYLE: QUADEC
- FINISH: SATIN ANODIZED ALUMINUM
- LOCATION: RESTROOMS
- NOTE: REFER TO DETAIL TBD

COVE BASE & INSIDE CORNER ACCESSORY
- MFG: SCHLUTER SYSTEMS
- STYLE: DILEX-EHK COVE
- FINISH: SATIN ANODIZED ALUMINUM
- LOCATION: RESTROOMS
- NOTE: REFER TO DETAIL TBD

GROUT (GT)

GT-1 NOT USED IN PHASE 1
- MFG.: TBD
- COLOR: TBD
- LOCATION: USE WITH CT-1
- NOTE: COLOR MATCH CAULK AT INSIDE CORNERS

GT-2
- MFG.: TBD
- COLOR: TBD
- LOCATION: USE WITH CT-2
- NOTE: COLOR MATCH CAULK AT INSIDE CORNERS

GT-3
- MFG.: TBD
- COLOR: TBD
- LOCATION: USE WITH CT-3 & CTB-1
- NOTE: COLOR MATCH CAULK AT INSIDE CORNERS

GT-4
- MFG.: TBD
- COLOR: TBD
- LOCATION: USE WITH CT-4
- NOTE: COLOR MATCH CAULK AT INSIDE CORNERS

HIGH IMPACT WALLCOVERING (HIW)

HIW-1
- MFG: C/S ACROVYN
- STYLE: .040" 4000 WALLCOVERING
- COLOR: AS SELECTED BY ARCHITECT FROM STANDARD MFG OFFERING
- TEXTURE: SUEDE
- HEIGHT: 48"H
- LOCATION: REFER TO FINISH PLANS AND INTERIOR ELEVATIONS

CORNER GUARDS (CG)

CG-1
- MFG: C/S ACROVYN
- STYLE: 2" LEG STAINLESS STEEL CO-8
- COLOR: 304 STAINLESS STEEL ALLOY
- TEXTURE: #4 SATIN FINISH
- HEIGHT: 48"H
- LOCATION: REFER TO FINISH PLANS AND INTERIOR ELEVATIONS

WINDOW FILM (WF)

WF-1
- MFG: SKYLINE DESIGN
- STYLE: MAKE TRIANGLES 2
- PATTERN: TRIANGLES 2 OPTION A
- SIZE: REFER TO INTERIOR ELEVATIONS
- MEDIA: PVC-FREE POLYESTER WINDOW FILM
- COLOR: WHITE
- LOCATION: REFER TO FINISH PLAN & INTERIOR ELEVATIONS FOR LOCATIONS

PAINT (PT)

PT-1
- MFG: SHERWIN WILLIAMS
- COLOR: SW7667 ZIRCON
- LOCATION: GENERAL FIELD PAINT

PT-2
- MFG: SHERWIN WILLIAMS
- COLOR: SW7029 AGREEABLE GRAY
- LOCATION: CLASSROOM & OFFICES

PT-3
- MFG: SHERWIN WILLIAMS
- COLOR: SW7602 INDIGO BATIK
- LOCATION: LEVEL 2 - ACCENT PAINT AT SERVICE DESK & LEVEL 2 GAMING AREA

PT-4
- MFG: SHERWIN WILLIAMS
- COLOR: SW1240 FMT STATE MAROON (CUSTOM COLOR)
- LOCATION: LEVEL 1 - ACCENT PAINT
- NOTE: COORDINATE WITH OWNER FOR CUSTOM COLOR INFORMATION

PT-5
- MFG: SHERWIN WILLIAMS
- COLOR: SW0031 DUTCH TILE BLUE
- LOCATION: LEVEL 2 - ACCENT PAINT

PT-6
- MFG: SHERWIN WILLIAMS
- COLOR: SW9129 JADE DRAGON
- LOCATION: LEVEL 3 - ACCENT PAINT

PT-7
- MFG: SHERWIN WILLIAMS
- COLOR: SW7006 EXTRA WHITE
- LOCATION: GYP. BOARD CEILINGS

PT-8
- MFG: SHERWIN WILLIAMS
- COLOR: SW7623 CASCADES
- LOCATION: LEVEL 3 - ACCENT PAINT AT SERVICE DESK

PT-9
- MFG: SHERWIN WILLIAMS
- COLOR: TBD
- LOCATION: COFFEE SHOP

PT-10
- MFG: SHERWIN WILLIAMS
- COLOR: TBD
- LOCATION: COFFEE SHOP

ACOUSTICAL CEILING TILE (ACT)

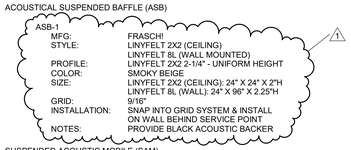
ACT-1
- MFG: ARMSTRONG
- STYLE: ULTIMA LAY-IN TEGULAR #1912
- COLOR: WHITE
- SIZE: 24" X 24" X .75"
- GRID: 9/16" SUPRAFINE X, WHITE
- LOCATION: REFER TO REFLECTED CEILING PLAN

ACT-2
- MFG: ARMSTRONG
- STYLE: CALLA SQUARE TEGULAR 2824
- COLOR: LIGHT GREY (MLG) FROM MANUFACTURER'S STANDARD
- SIZE: 24" X 24" X .75"
- GRID: 9/16" SUPRAFINE X, WHITE
- LOCATION: REFER TO REFLECTED CEILING PLAN

ACT-3
- MFG: ARMSTRONG
- STYLE: CALLA SQUARE TEGULAR 2824
- COLOR: GREY STONE (MGS) FROM MANUFACTURER'S STANDARD
- SIZE: 24" X 24" X .75"
- GRID: 9/16" SUPRAFINE X, WHITE
- LOCATION: REFER TO REFLECTED CEILING PLAN

ACT-4
- MFG: ARMSTRONG
- STYLE: CALLA SQUARE TEGULAR 2824 - CUSTOM COLOR
- COLOR: CUSTOM COLOR - SW1240 FMT STATE MAROON (CUSTOM PAINT COLOR)
- SIZE: 24" X 24" X .75"
- GRID: 9/16" SUPRAFINE X, WHITE
- LOCATION: REFER TO REFLECTED CEILING PLAN
- NOTE: COORDINATE WITH OWNER FOR CUSTOM COLOR INFORMATION

ACOUSTICAL SUSPENDED BAFFLE (ASB)



ASB-1
- MFG: FRASCH!
- STYLE: LINYFELT 2X2 (CEILING) LINYFELT 8L (WALL MOUNTED)
- PROFILE: LINYFELT 2X2 2-1/4" - UNIFORM HEIGHT
- COLOR: SMOKY BEIGE
- SIZE: LINYFELT 2X2 (CEILING): 24" X 24" X 2"H LINYFELT 8L (WALL): 24" X 96" X 2.25"H
- GRID: 9/16"
- INSTALLATION: SNAP INTO GRID SYSTEM & INSTALL ON WALL BEHIND SERVICE POINT
- NOTES: PROVIDE BLACK ACOUSTIC BACKER

SUSPENDED ACOUSTIC MOBILE (SAM)

SAM-1 NOT USED IN PHASE 1
- MFG: LIGHTART BY 3FORM
- STYLE: MOBILES - GEOMETRIC SQUARES
- COLOR: BURGUNDY
- SIZE: 8" X 8" SQUARE PET FELT
- INSTALLATION: SUSPENDED - REFER TO RCP & INTERIOR ELEVATIONS FOR LOCATIONS
- LOCATION: MAIN LOBBY 100

TACKBOARD FELT (TBF)

TBF-1
- MFG: SOELBERG
- TYPE: MUTO SLAB
- COLOR: CURRANT
- THICKNESS: 1/2" THK.
- SIZE: VARIES, REFER TO TACKBOARD & MARKERBOARD SCHEDULE
- LOCATION: LEVEL 1 & OFFICES

TBF-2
- MFG: SOELBERG
- TYPE: MUTO SLAB
- COLOR: LAMB'S EAR
- THICKNESS: 1/2" THK.
- SIZE: VARIES, REFER TO TACKBOARD & MARKERBOARD SCHEDULE
- LOCATION: LEVEL 2

ARCHITECTURAL WOODWORK FINISH LEGEND

SOLID SURFACE (SSM)

SSM-1
- MFG: CORIAN
- COLOR: ASH CONCRETE
- LOCATION: WINDOW SILLS

WOOD STAIN TYPE (WD)

WD-1: NOT USED IN PHASE 1

QUARTER SAWN WHITE OAK, SOLID WOOD AND VENEER CUSTOM STAINED TO MATCH WILSONART WHITE RIVER FOREST 8227K-79

FINISH SCHEDULE

LEVEL	ROOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	Comments
FIRST FLOOR	102	WORK ROOM	-	-	-	-	
FIRST FLOOR	124	OFFICE	SC-1	RB-1	PT-1	EXP.	
FIRST FLOOR	X100	MAIN LOBBY	-	-	-	-	
SECOND FLOOR	200A	GENERAL SEATING CENTRAL	CPT-1, CPT-4	RB-2	PT-1, PT-5	ACT-1, ASB-1	
SECOND FLOOR	200B	GENERAL SEATING SOUTHWEST	CPT-1, CPT-3	RB-2	PT-1, PT-5	ACT-1, ACT-4, PTD. GYP. BD. PT-7, PTD. EXP., PT-4	INSTALL CT-4 TILE BEHIND DRINKING FOUNTAIN, FULL HEIGHT
SECOND FLOOR	200C	GENERAL SEATING SOUTHEAST	CPT-1	RB-2	PT-1	ACT-1, PTD. GYP. BD., PT-7	
SECOND FLOOR	201	HONORS OFFICE	CPT-6	RB-2	PT-2, WF-1	ACT-1	REFER TO INTERIOR ELEVATIONS FOR WF LOCATIONS
SECOND FLOOR	202	HONORS OFFICE	CPT-6	RB-2	PT-2, WF-1	ACT-1	REFER TO INTERIOR ELEVATIONS FOR WF LOCATIONS
SECOND FLOOR	203	HONORS	CPT-3	RB-2	PT-1	ACT-1	
SECOND FLOOR	204	LEAD OFFICE	CPT-6	RB-2	PT-2	ACT-1	
SECOND FLOOR	205	LEAD DIR	CPT-6	RB-2	PT-2	ACT-1	
SECOND FLOOR	206	LEAD WORK ROOM	RES-1	RB-1	PT-2	ACT-1	
SECOND FLOOR	207	LEAD GENERAL TUTORING	CPT-1	RB-2	PT-1, PT-5	ACT-1, PTD. GYP. BD., PT-7	
SECOND FLOOR	208	LEAD AST DIR	CPT-6	RB-2	PT-2	ACT-1	
SECOND FLOOR	209	ELEC	SC-1	RB-1	PT-1	PTD. GYP. BD., PT-7	
SECOND FLOOR	210	IT	SDT-1	RB-1	PT-1	PTD. GYP. BD., PT-7	
SECOND FLOOR	211	TESTING	CPT-1	RB-2	PT-2	ACT-1	
SECOND FLOOR	212	PROCTOR	CPT-6	RB-2	PT-2	ACT-1	
SECOND FLOOR	212A	SM TEST	CPT-1	RB-2	PT-1	ACT-1	
SECOND FLOOR	213	RR	CT-3	CTB-1	CT-2, CT-4	PTD. GYP. BD., PT-7	CERAMIC TILE FULL HEIGHT ALL WALLS, REFER TO TOILET ROOM ELEVATIONS
SECOND FLOOR	214	RR	CT-3	CTB-1	CT-2, CT-4	PTD. GYP. BD., PT-7	CERAMIC TILE FULL HEIGHT ALL WALLS, REFER TO TOILET ROOM ELEVATIONS
SECOND FLOOR	215	RR	CT-3	CTB-1	CT-2, CT-4	PTD. GYP. BD., PT-7	CERAMIC TILE FULL HEIGHT ALL WALLS, REFER TO TOILET ROOM ELEVATIONS
SECOND FLOOR	217	GAMING & SEATING	CPT-1	RB-2	PT-1, PT-3	ACT-4, PTD. GYP. BD., PT-X	
SECOND FLOOR	218	STORAGE	SC-1	RB-1	PT-1	PTD. GYP. BD., PT-7	
SECOND FLOOR	219	CLASSROOM	RES-1	RB-1	PT-2	ACT-1	
SECOND FLOOR	220	STUDY NOOK	CPT-1	RB-2	PT-1	ACT-1, ACT-2, ACT-3	
SECOND FLOOR	221	STUDY	CPT-4	RB-2	PT-1, WF-1	ACT-1	REFER TO INTERIOR ELEVATIONS FOR WF LOCATIONS
SECOND FLOOR	222	MIDDLE COLLEGE	CPT-6	RB-2	PT-2, WF-1	ACT-1	REFER TO INTERIOR ELEVATIONS FOR WF LOCATIONS
SECOND FLOOR	223	STUDY	CPT-4	RB-2	PT-1, WF-1	ACT-1	REFER TO INTERIOR ELEVATIONS FOR WF LOCATIONS
SECOND FLOOR	224	MIDDLE COLLEGE	CPT-6	RB-2	PT-2, WF-1	ACT-1	REFER TO INTERIOR ELEVATIONS FOR WF LOCATIONS
SECOND FLOOR	225	STUDY	CPT-4	RB-2	PT-1, WF-1	ACT-1	REFER TO INTERIOR ELEVATIONS FOR WF LOCATIONS
SECOND FLOOR	226	FLEX OFFICE / STUDY	CPT-4	RB-2	PT-1, WF-1	ACT-1	REFER TO INTERIOR ELEVATIONS FOR WF LOCATIONS
SECOND FLOOR	227	CONFERENCE	CPT-4	RB-2	PT-1, WF-1	ACT-1	REFER TO INTERIOR ELEVATIONS FOR WF LOCATIONS
SECOND FLOOR	228	SERVICE POINT	CPT-4	RB-2	PT-1, PT-8, ASB-1	ASB-1, PTD. GYP. BD., PT-7	
SECOND FLOOR	229	OFFICE	CPT-6	RB-2	PT-2	ACT-1	
SECOND FLOOR	230	OFFICE	CPT-6	RB-2	PT-2	ACT-1	
SECOND FLOOR	231	MGR. OFFICE	CPT-6	RB-2	PT-2	ACT-1	
SECOND FLOOR	233	ANATOMY	CPT-1	RB-2	PT-1	ACT-1	
SECOND FLOOR	234	RR	CT-3	-	CT-2, CT-4	PTD. GYP. BD., PT-7	REFER TO TOILET ROOM ELEVATIONS
SECOND FLOOR	EL01-B	ELV	ETR	ETR	ETR	ETR	
SECOND FLOOR	ST01-B	MAIN STAIR	CPT-4, ETR MARBLE STAIR & LANDING	ETR	PT-1	PTD. GYP. BD., PT-7	
SECOND FLOOR	ST02-B	STAIR B	ETR	ETR	ETR	ETR	
SECOND FLOOR	ST03-B	STAIR C	ETR	ETR	ETR	ETR	

MARKERBOARD/TACKBOARD SCHEDULE

TAG	LEVEL	TYPE	ROOM NAME	ROOM NUMBER	HEIGHT	WIDTH	PLACEMENT HEIGHT	Comments
MB01	SECOND FLOOR	MARKERBOARD	CLASSROOM	219	3' - 0"	8' - 0"	3' - 6"	
MB02	SECOND FLOOR	MARKERBOARD	HONORS	203	4' - 0"	6' - 0"	3' - 0"	
MB03	SECOND FLOOR	MARKERBOARD	LEAD OFFICE	204	3' - 0"	4' - 0"	4' - 0"	
MB04	SECOND FLOOR	MARKERBOARD	LEAD DIR	205	3' - 0"	4' - 0"	4' - 0"	
MB06	SECOND FLOOR	MARKERBOARD	LEAD WORK ROOM	206	4' - 0"	6' - 0"	4' - 0"	
MB07	SECOND FLOOR	MARKERBOARD	LEAD WORK ROOM	206	4' - 0"	6' - 0"	3' - 6"	
MB08	SECOND FLOOR	MARKERBOARD	LEAD GENERAL TUTORING	207	4' - 0"	6' - 0"	3' - 0"	
MB09	SECOND FLOOR	MARKERBOARD	LEAD AST DIR	208	3' - 0"	4' - 0"	3' - 6"	
MB10	SECOND FLOOR	MARKERBOARD	PROCTOR	212	3' - 0"	4' - 0"	3' - 6"	
MB11	SECOND FLOOR	MARKERBOARD	GAMING & SEATING	217	3' - 0"	8' - 0"	4' - 0"	
MB12	SECOND FLOOR	MARKERBOARD	GAMING & SEATING	217	3' - 0"	8' - 0"	4' - 0"	
MB13	SECOND FLOOR	MARKERBOARD	STUDY	221	4' - 0"	6' - 0"	3' - 0"	
MB14	SECOND FLOOR	MARKERBOARD	MIDDLE COLLEGE	222	4' - 0"	6' - 0"	3' - 0"	
MB15	SECOND FLOOR	MARKERBOARD	STUDY	223	4' - 0"	6' - 0"	3' - 0"	
MB16	SECOND FLOOR	MARKERBOARD	MIDDLE COLLEGE	224	4' - 0"	6' - 0"	3' - 0"	
MB17	SECOND FLOOR	MARKERBOARD	STUDY	225	4' - 0"	4' - 6"	2' - 8"	
MB18	SECOND FLOOR	MARKERBOARD	FLEX OFFICE / STUDY	226	4' - 0"	6' - 0"	3' - 0"	
MB19	SECOND FLOOR	MARKERBOARD	CONFERENCE	227	4' - 0"	6' - 0"	3' - 0"	
MB20	SECOND FLOOR	MARKERBOARD	OFFICE	229	4' - 0"	6' - 0"	3' - 0"	
MB21	SECOND FLOOR	MARKERBOARD	MGR. OFFICE	231	4' - 0"	6' - 0"	2' - 8"	
TB01	SECOND FLOOR	TACKBOARD	GENERAL SEATING SOUTHWEST	200B	4' - 0"	11' - 11"	3' - 0"	TBF-2
TB02	SECOND FLOOR	TACKBOARD	GENERAL SEATING SOUTHWEST	200B	4' - 0"	2' - 0"	3' - 0"	TBF-2
TB03	SECOND FLOOR	TACKBOARD	GENERAL SEATING SOUTHWEST	200B	4' - 0"	6' - 9 1/2"	3' - 0"	TBF-2
TB04	SECOND FLOOR	TACKBOARD	HONORS OFFICE	201	4' - 0"	9' - 3"	3' - 6"	TBF-1
TB05	SECOND FLOOR	TACKBOARD	HONORS OFFICE	202	4' - 0"	7' - 4"	3' - 6"	TBF-1
TB06	SECOND FLOOR	TACKBOARD	HONORS	203	4' - 0"	15' - 0"	3' - 0"	TBF-1
TB08	SECOND FLOOR	TACKBOARD	OFFICE	229	4' - 0"	8' - 1"	3' - 0"	TBF-1
TB09	SECOND FLOOR	TACKBOARD	OFFICE	230	4' - 0"	7' - 5"	3' - 0"	TBF-1
TB10	SECOND FLOOR	TACKBOARD	OFFICE	230	4' - 0"	11' - 0"	3' - 0"	TBF-1
TB11	SECOND FLOOR	TACKBOARD	OFFICE	230	4' - 0"	11' - 3"	3' - 0"	TBF-1
TB12	SECOND FLOOR	TACKBOARD	OFFICE	230	4' - 0"	11' - 2 1/2"	3' - 0"	TBF-1
TB13	SECOND FLOOR	TACKBOARD	MGR. OFFICE	231	4' - 0"	11' - 3"	3' - 0"	TBF-1
TB14	SECOND FLOOR	TACKBOARD	FLEX OFFICE / STUDY	226	4' - 0"	5' - 1 3/4"	3' - 0"	TBF-2
TB15	SECOND FLOOR	TACKBOARD	FLEX OFFICE / STUDY	226	4' - 0"	4' - 5 11/16"	3' - 0"	TBF-2
TB16	SECOND FLOOR	TACKBOARD	CONFERENCE	227	4' - 0"	19' - 4 3/4"	3' - 0"	TBF-2

TACKBOARDS AND MARKERBOARDS ARE SUPPLIED AND INSTALLED BY G.C.

FINISH FLOOR GENERAL NOTES

1. CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONTRACT DOCUMENTS, FINISH PLANS AND FINISH SCHEDULE AND SHALL AT ONCE REPORT TO THE ARCHITECT ANY ERROR, INCONSISTENCY OR OMISSION THAT HE MAY DISCOVER.
2. ITEMS REQUIRING FINISH SELECTION THAT DO NOT APPEAR ON THE FINISH PLANS SHALL BE SELECTED FROM SHOP DRAWING SUBMITTALS AND/OR SAMPLES AS REQUIRED BY THE PROJECT MANUAL (SPECIFICATIONS).
3. UNLESS NOTED OTHERWISE, ALL FLOOR MATERIAL TRANSITIONS SHALL OCCUR AT THE CENTERLINE OF A DOOR OR CASED OPENING.
4. WALL BASE SHALL NOT BE INSTALLED ON EXPOSED STEEL COLUMNS.
5. UNLESS NOTED OTHERWISE, ALL FINISH FLOOR MATERIAL TO BE INSTALLED PRIOR TO, AND EXTEND UNDER, SHELVING AND ARCHITECTURAL WOODWORK.
6. ALL METAL ACCESS DOORS, ELECTRICAL PANELS, AND DIFFUSERS, VENTS, ETC. SHALL BE PAINTED TO MATCH ADJACENT WALL OR CEILING FINISH UNLESS NOTED OTHERWISE. THIS NOTE APPLIED TO OCCUPIED AREA ONLY.
7. CONTRACTOR SHALL MATCH ARCHITECT'S SAMPLE FOR ALL STAINED WOODS. CONTRACTOR SHALL PROVIDE TWO (2) STAIN SAMPLES ON ACTUAL WOOD TYPES TO BE USED.
8. CONTRACTOR SHALL PAINT ALL EXPOSED CEILING TILE EDGES THAT ARE CUT TO MATCH SAID TILES.
9. UNLESS OTHERWISE NOTED, CEILING ACCESS PANELS, HVAC REGISTERS, HVAC CONTROLS, ELECTRICAL OUTLETS/DEVICES, SWITCHES AND GRILLS TO BE WHITE. CONFIRM WITH ARCHITECT IN SHOP DRAWINGS PRIOR TO ORDERING.

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STATE OF WEST VIRGINIA JOSEPH R. KUTZ NO 5346 REGISTERED ARCHITECT
04.06.2026

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1	ADDENDUM 04	05.12.2026

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FINISH SCHEDULE

date

04.06.2026

sheet number

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PLAN NOTES

A. SEE SHEET P0.1 FOR PLUMBING SYMBOL LEGEND AND PLUMBING GENERAL NOTES.

B. SEE SHEET P4.1 FOR PLUMBING FIXTURE SCHEDULE.

C. SEE SHEET P5.1 FOR PLUMBING DETAILS.

D. SEE SHEET P6.1 FOR SANITARY ISOMETRIC.

E. CONTRACTOR WILL ALSO NEED TO COORDINATE CUTTING AND PATCHING WITH OWNER. ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS SHALL BE LIMITED TO ONLY AREA REQUIRED FOR INSTALLATION OF NEW WORK. PATCH TO MATCH ALL EXISTING CONSTRUCTION, FIRE/SMOKE RATINGS AND ROOM FINISH. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

F. OFFSET PIPING AROUND STRUCTURAL MEMBERS, LIGHTING, AND DUCTWORK AS REQUIRED TO MAINTAIN FINAL ROOM DIMENSIONS. COORDINATE EXACT PIPE ROUTING WITH ALL TRADES.

G. INSTALL PLUMBING PIPING AND CONCEAL WITHIN FURRED OUT WALLS AND CHASES. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLANS.

H. PLUMBING PIPING SHOWN ON THIS SHEET IS LOCATED WITHIN RESPECTIVE FLOOR CEILING SPACE UNLESS NOTED OTHERWISE. PLUMBING PIPING DENOTED WITH "U" IS LOCATED "UNDER" FLOOR.

I. ALL CLEANOUTS INSTALLED IN CEILING SPACE ARE TO BE EASILY ACCESSIBLE ABOVE LAY-IN CEILING TILES. COORDINATE WITH ARCHITECTURAL PLANS.

CODED NOTES

1. 4" VENT THROUGH ROOF. SEE VENT PIPE CURB DETAIL ON SHEET P5.1 FOR FURTHER INSTRUCTION.

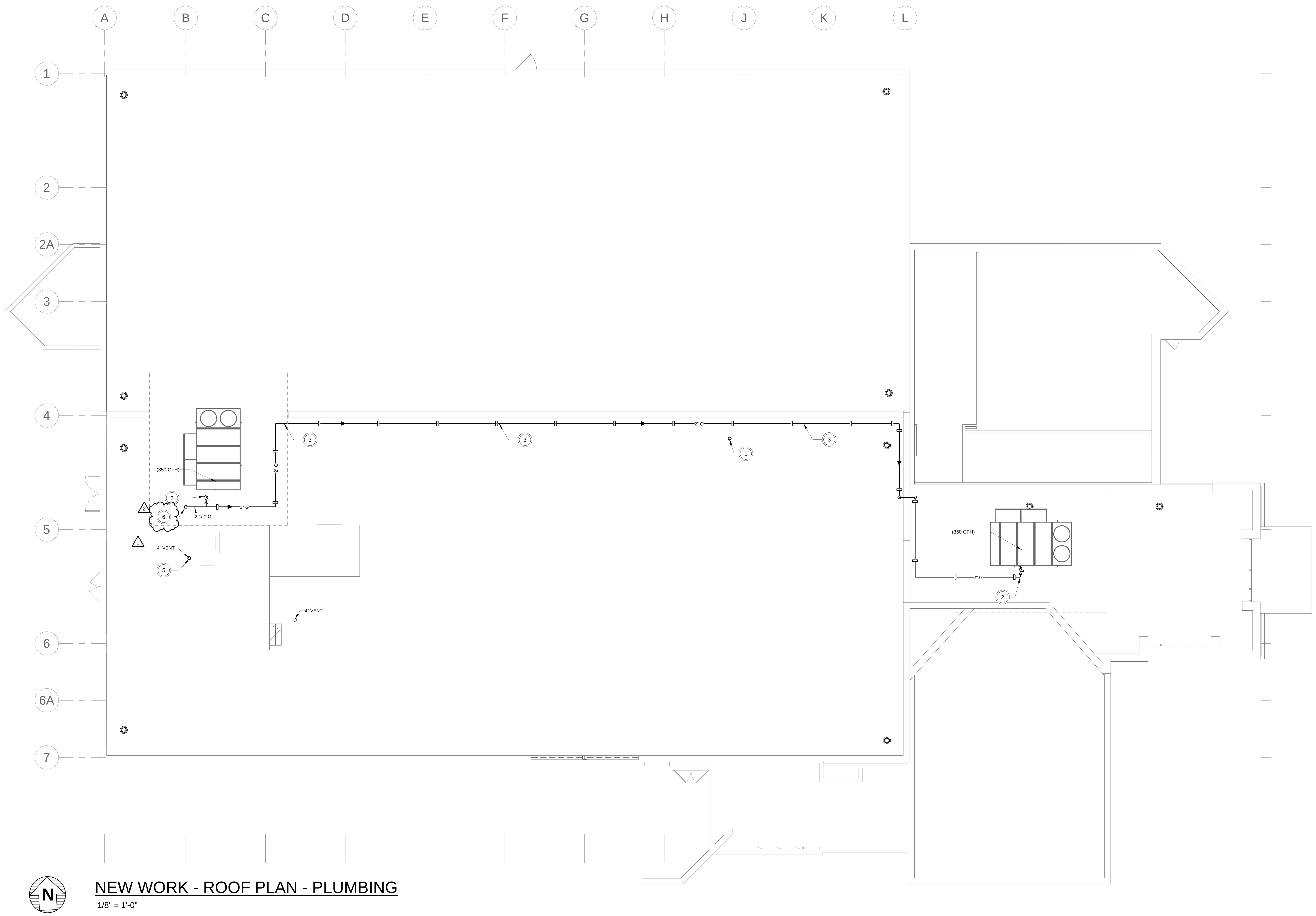
2. EXTEND AND INSTALL 2-1/2" GAS PIPING THROUGH ROOF.

3. INSTALL GAS PIPING WITH PROPER ROOF SUPPORTS. SEE DETAIL ON SHEET P5.1.

4. INSTALL 1-1/2" PIPING WITH GAS COCK AND C TYPE INLINE GAS FILTER. PROVIDE ROUGH-IN AND FINAL CONNECTIONS. (1)

5. TERMINATE WATER HEATER VENT FLUE THROUGH ROOF PER MANUFACTURER'S RECOMMENDATION.

(2) 6. GAS PIPING DOWN THROUGH PATE STYLE ROOF PENETRATION CURB. REFER TO VENT PIPE CURB DETAIL ON SHEET P5.1.



NEW WORK - ROOF PLAN - PLUMBING

1/8" = 1'-0"

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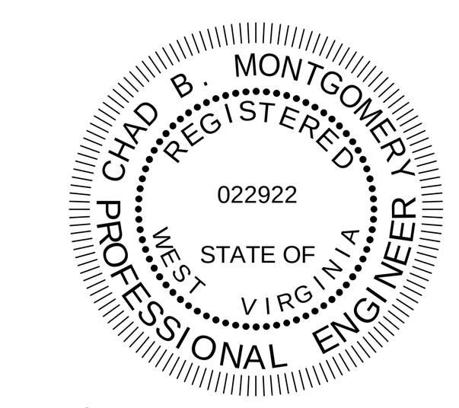

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2	ADDENDUM 04	05.12.2026

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NEW WORK - ROOF PLAN - PLUMBING

date

04.06.2026

sheet number

P3.4

PHOTO 1

PLAN NOTES

A. SEE SHEET M0.1 FOR GENERAL NOTES AND SYMBOL LEGEND.

B. SEE SHEETS M1.X FOR HVAC DEMOLITION PLANS.

C. SEE SHEETS M2.X FOR HVAC NEW WORK PLANS (DUCTWORK).

D. SEE SHEETS M3.X FOR HVAC NEW WORK PLANS (PIPING).

E. SEE SHEETS M4.X FOR ENLARGED MECHANICAL ROOMS.

F. SEE SHEET SERIES M5.X FOR HVAC DETAILS.

G. SEE SHEET SERIES M6.X FOR TEMPERATURE CONTROLS.

H. SEE SHEET SERIES M7.X FOR HVAC SCHEDULES.

I. OFFSET HVAC DUCTWORK AROUND HVAC PIPING, STRUCTURAL MEMBERS, LIGHTING, FIRE SUPPRESSION PIPING AND PLUMBING PIPING AS REQUIRED TO MAINTAIN FINAL ROOM DIMENSIONS. COORDINATE EXACT PIPE ROUTING WITH ALL TRADES.

J. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING CONSTRUCTION. COORDINATE EXACT WEIGHT AND MOUNTING OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH OTHER UTILITIES AND CEILINGS.

K. THESE CONTRACT DOCUMENTS HAVE BEEN COMPILED FROM ORIGINAL DESIGN DRAWINGS AND FIELD VERIFIED WHERE POSSIBLE. DUE TO UNFORESEEN PRE-EXISTING CONDITIONS WHICH INCLUDES EXISTING CONCEALED PIPING, THE CONTRACTOR SHALL INCLUDE IN HIS BASE BID A SUM TO HANDLE PIPING OFFSETS AND REROUTING OF EXISTING SERVICE MAINS IN NEW WALLS OR CHASES AT NO ADDITIONAL COST TO THE OWNER.

L. THE BUILDING UTILIZES AN ABOVE CEILING PLENUM FOR RETURN AIR. PROVIDE RETURN AIR TRANSFER OPENINGS AS SHOWN ON PLANS.

M. CONTRACTORS SHALL COORDINATE AND SCHEDULE THEIR WORK TO NOT DELAY CONSTRUCTION AND TO ELIMINATE CONFLICTS. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO BE FAMILIAR WITH THE EXISTING CONDITIONS, AND COMPLETE CONSTRUCTION DOCUMENTS INCLUDING WORK BY OTHER TRADES. PROJECT WORK SPACE IS CONGESTED, THEREFORE CONTRACTORS SHALL COORDINATE THEIR WORK TO ELIMINATE INTERFERENCES. PREPARATION OF COORDINATION DRAWINGS AND SKETCHES IS HIGHLY RECOMMENDED. INSTALLATION OF SYSTEMS WITHOUT COORDINATION WILL NOT ALLEVIATE THE CONTRACTOR FROM RESPONSIBILITY. AT THE OWNER'S DISCRETION, THE CONTRACTOR SHALL REMOVE AND RE-INSTALL SUCH WORK WITHOUT ADDITIONAL COMPENSATION OR ADJUSTMENT TO THE SCHEDULE.

N. THE H.C. SHALL REMOVE THE EXISTING CEILING SYSTEM OUTSIDE OF PROJECT SCOPE AS REQUIRED FOR THE REMOVAL AND RELOCATION OF THE EXISTING MECHANICAL UTILITIES TO SERVE THIS AREA OF RENOVATION AND TO MAINTAIN SERVICES TO THE ADJACENT AREAS. THE H.C. SHALL REPLACE THE EXISTING CEILING SYSTEM TO MATCH EXISTING CONDITIONS. SEE ARCHITECTURAL PLANS FOR EXACT LIMITS OF CONSTRUCTION UNDER THIS PROJECT.

O. CAP THE ENDS OF EXISTING DUCTS THAT WILL REMAIN AS SOON AS POSSIBLE AFTER A SECTION OF DUCT IS DEMOLISHED TO MINIMIZE DISRUPTION TO THE REST OF THE SYSTEM.

CODED NOTES

1. CONDENSING UNIT MOUNTED ON ROOF. SECURE CONDENSING UNIT ON RAIL CURBS THROUGH VIBRATION ISOLATION PADS. MAINTAIN MANUFACTURERS RECOMMENDED CLEARANCES. SEE DETAILS FOR ADDITIONAL INFORMATION. EXTEND RL/RS PIPING TO UNIT. VERIFY MAXIMUM PIPING LENGTHS AND VERTICAL DIFFERENTIALS DO NOT EXCEED MANUFACTURER DISTANCES PRIOR TO ORDERING.

2. REFRIGERANT RL/RS DOWN THROUGH PATE STYLE PIPE PENETRATION CURB. SEE DETAILS FOR ADDITIONAL INFORMATION. VERIFY LINE SIZES WITH MANUFACTURER. TYP.

3. APPROXIMATE LOCATION OF EXISTING EXHAUST FAN TO REMAIN. PROTECT DURING CONSTRUCTION.

4. ROOF MOUNTED UPBLAST EXHAUST FAN. PROVIDE WITH SOUND CURB. SEE SCHEDULE AND DETAILS FOR ADDITIONAL INFORMATION. FAN TO BE INITIALLY BALANCED FOR 400 CFM DURING PHASE 1 AND 800 CFM AT END OF PHASE 2.

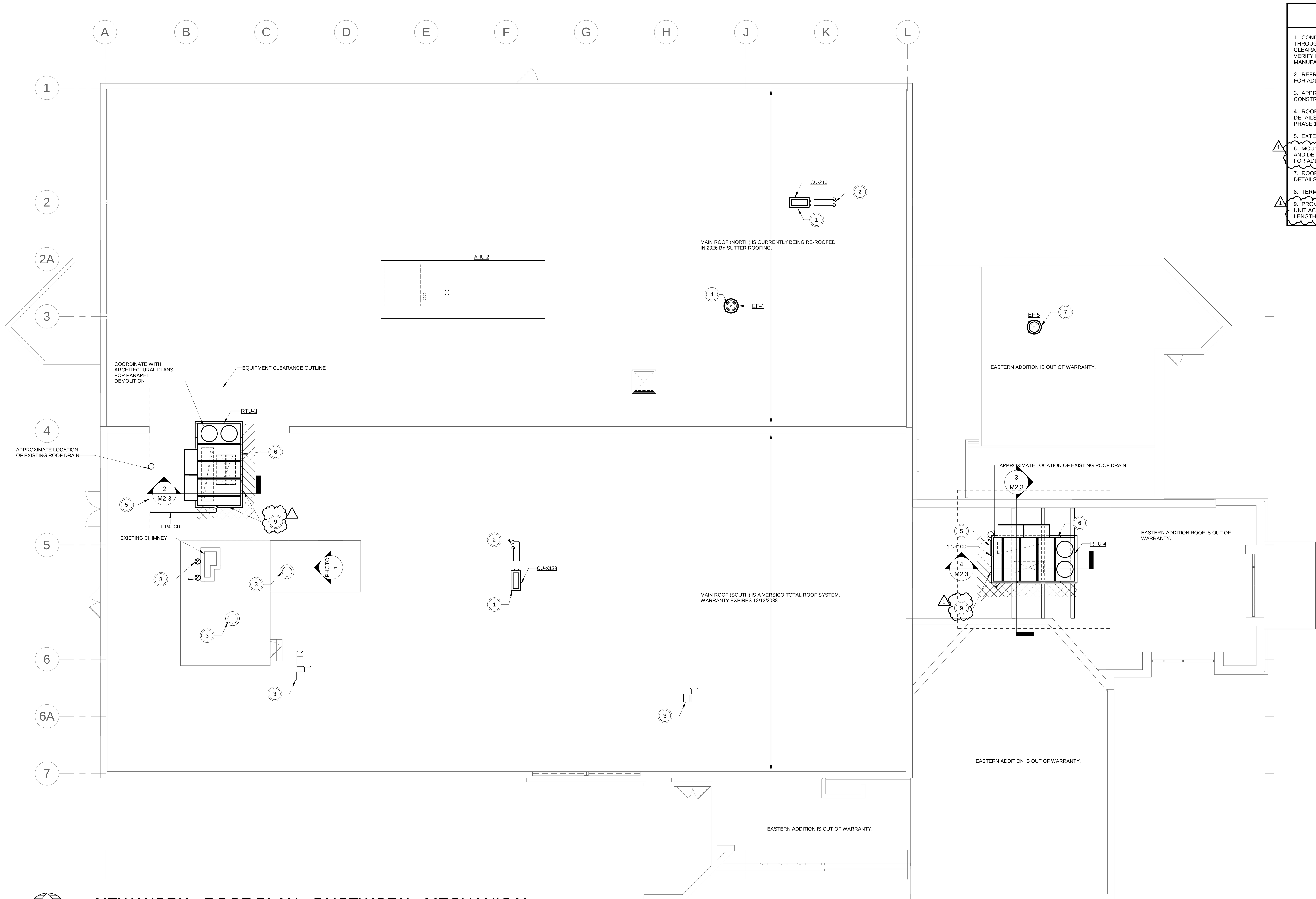
5. EXTEND 1-1/4" CONDENSATE FROM RTU-3 AND RTU-4 TO NEARBY ROOF DRAIN.

1 6. MOUNT RTU ON SPRING ISOLATION ON TOP OF STEEL DUNNAGE ON ROOF. SEE SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION. SEE STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

7. ROOF MOUNTED UPBLAST EXHAUST FAN. PROVIDE WITH SOUND CURB. SEE SCHEDULE AND DETAILS FOR ADDITIONAL INFORMATION.

8. TERMINATE FLUES PER BOILER MANUFACTURER RECOMMENDATIONS.

1 9. PROVIDE OSHA-COMPLIANT ROOFTOP ACCESS PLATFORM ALONG THE 2 SIDES REQUIRING UNIT ACCESS. PLATFORM SIMILAR TO LIGHTHOUSE SAFETY OR EQUAL. HATCHING INDICATES LENGTH OF PLATFORM.



NEW WORK - ROOF PLAN - DUCTWORK - MECHANICAL

1/8" = 1'-0"

1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 3/16" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0"

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NEW WORK - ROOF PLAN - HVAC - MECHANICAL

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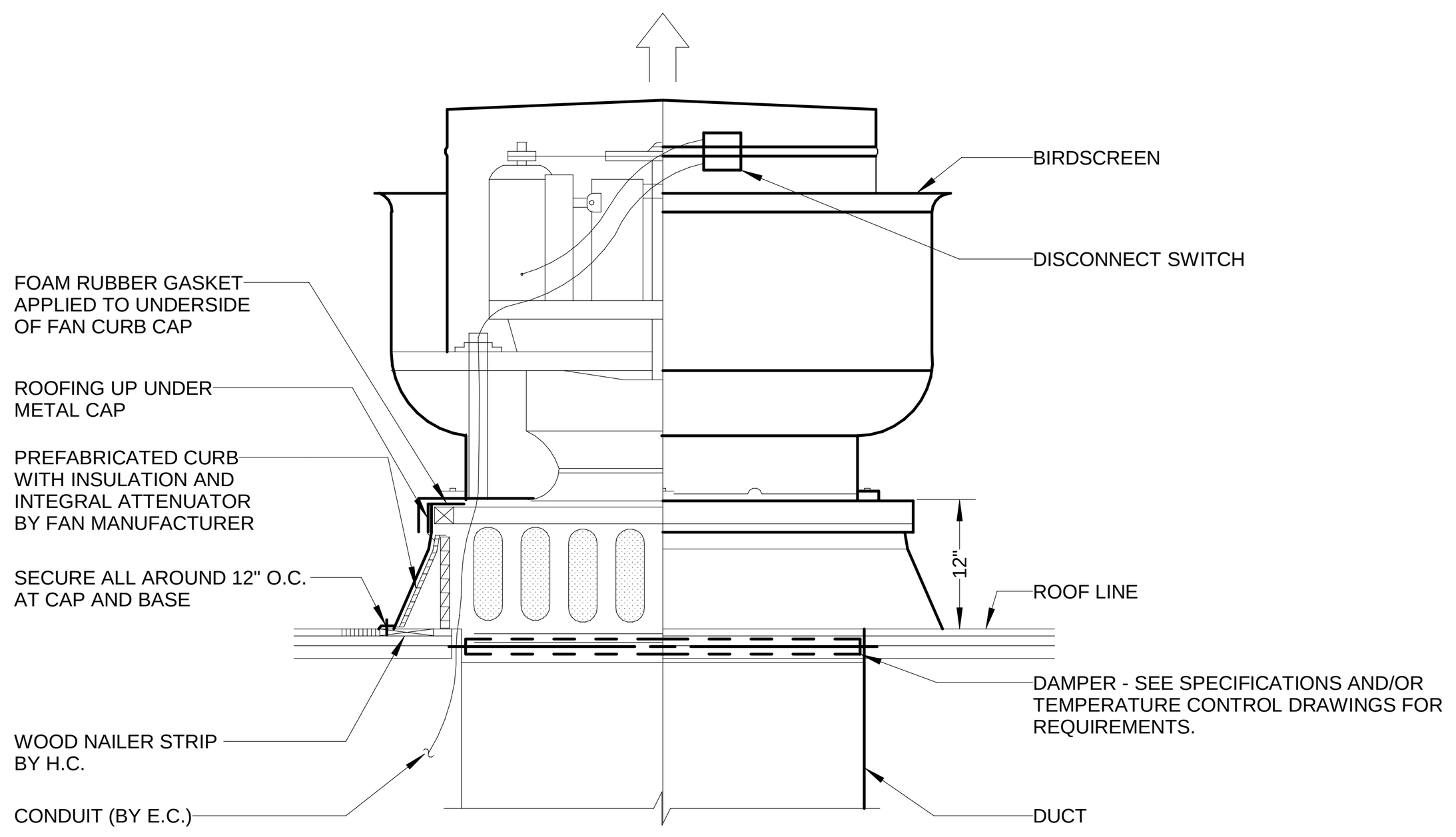


NOTES:

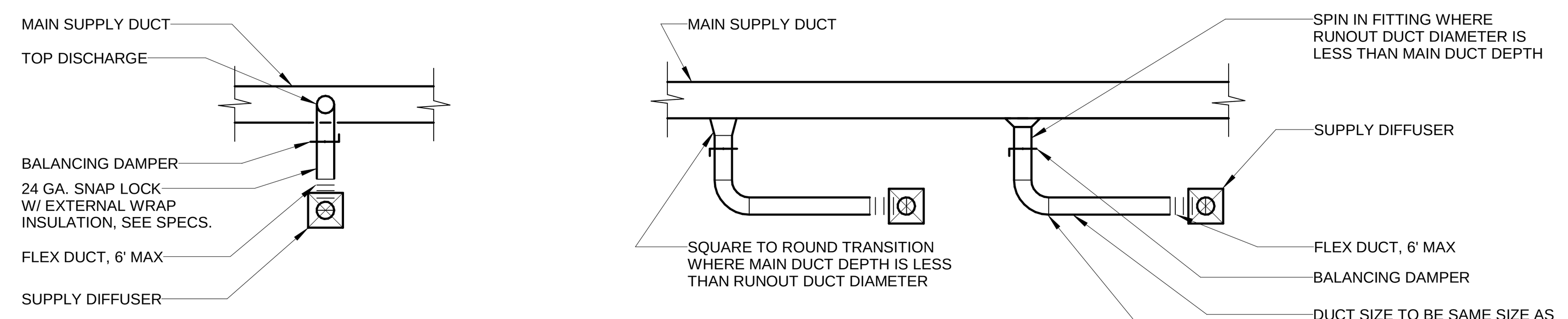
1. WIRING TO BE RUN IN CONDUIT GUIDE PROVIDED BY FAN MFR.
2. CONDUIT TO BE RUN IN CORNER INSIDE CURB BY E.C. UNLESS OTHERWISE INDICATED.
3. SHIM CURB AND VENTILATOR AS NECESSARY TO MOUNT EXHAUST FAN DEAD LEVEL.
4. SIZE ROOF OPENING IN ACCORDANCE WITH MFR'S APPROVED SHOP DRAWINGS. COORDINATE LOCATION WITH E.C.

UPBLAST TYPE WITH SOUND CURB

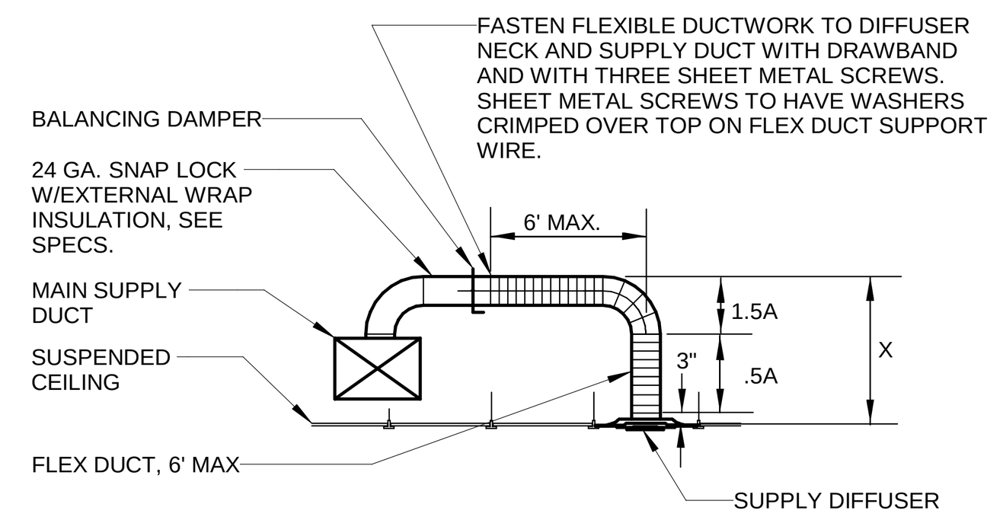
ROOF CENTRIFUGAL EXHAUST FAN

N.T.S.

NOTE:
THE DETAILED REPRESENTATION VIEWS INDICATE TYPICAL INSTALLATION STANDARD FOR ALL DIFFUSER RUNOUTS. ALL DIFFUSERS SHALL BE PROVIDED WITH DUCT-MOUNTED BALANCE DAMPERS UNLESS BALANCING MEANS ARE NOTED ELSEWHERE.



DETAILED REPRESENTATION - PLAN VIEWS

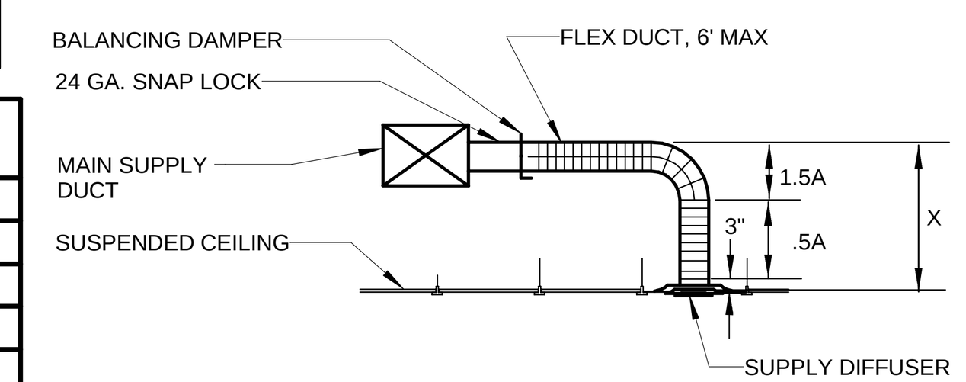


TOP DISCHARGE

DUCT RUNOUT SIZE SHALL BE THE SAME SIZE AS THE DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE (TYP).

DIFF. NECK DIA. A	X
6"	15"
8"	19"
10"	23"
12"	27"
14"	31"
15"	35"

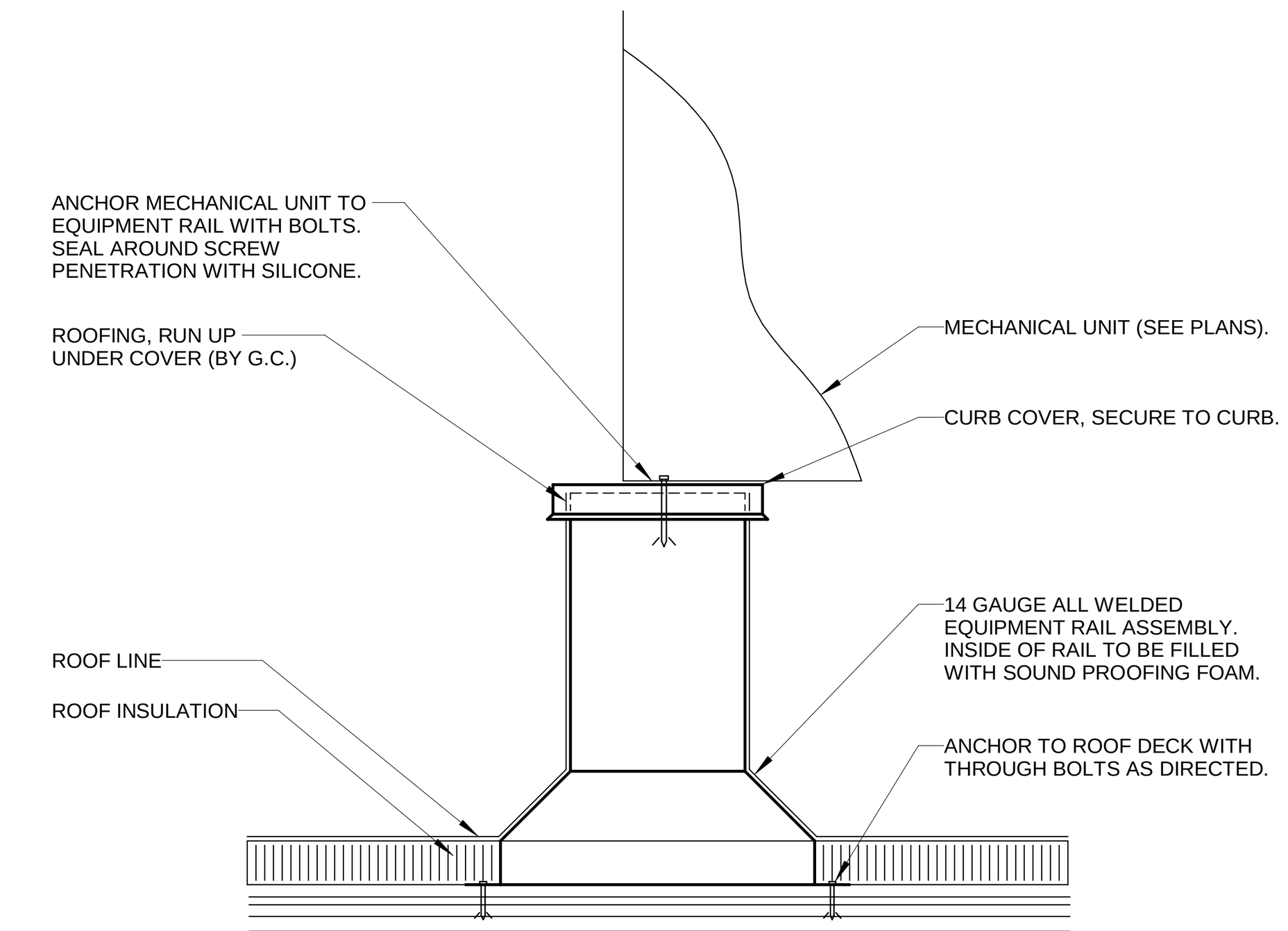
A = DIFFUSER NECK DIA.
X = 3" + 2A (MINIMUM)



SIDE DISCHARGE

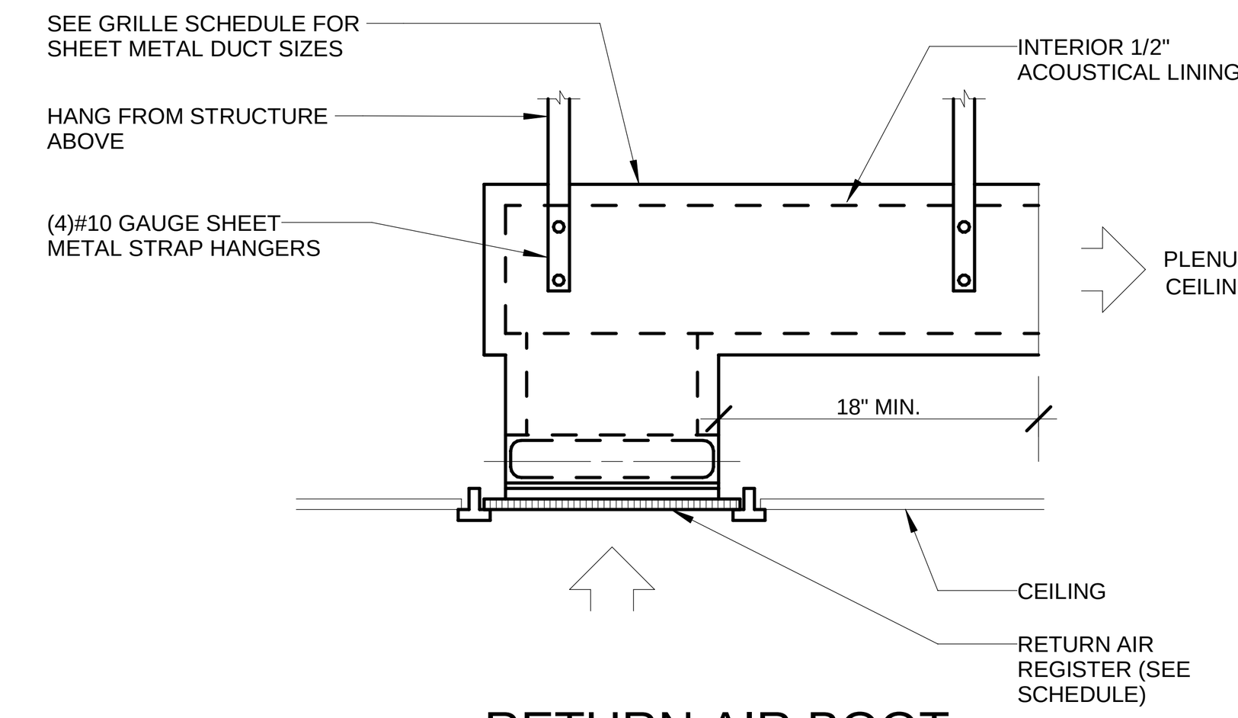
SUPPLY DIFFUSER CONNECTION DETAIL

N.T.S.



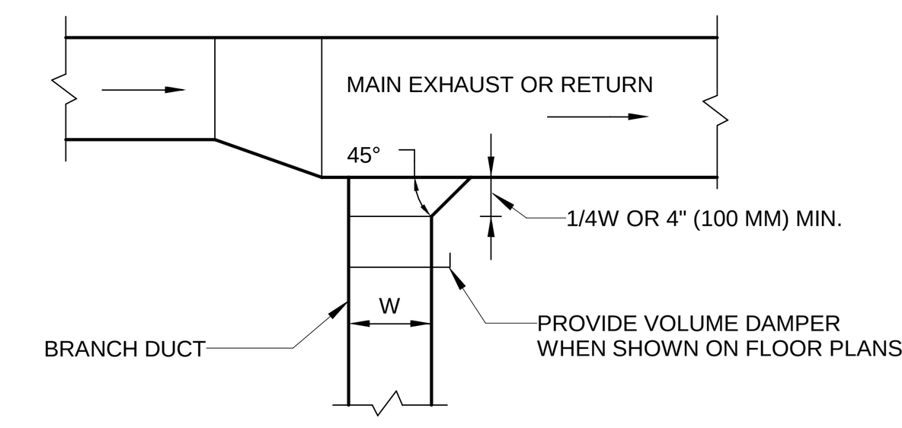
ROOF EQUIPMENT RAIL DETAIL

N.T.S.



RETURN AIR BOOT

N.T.S.



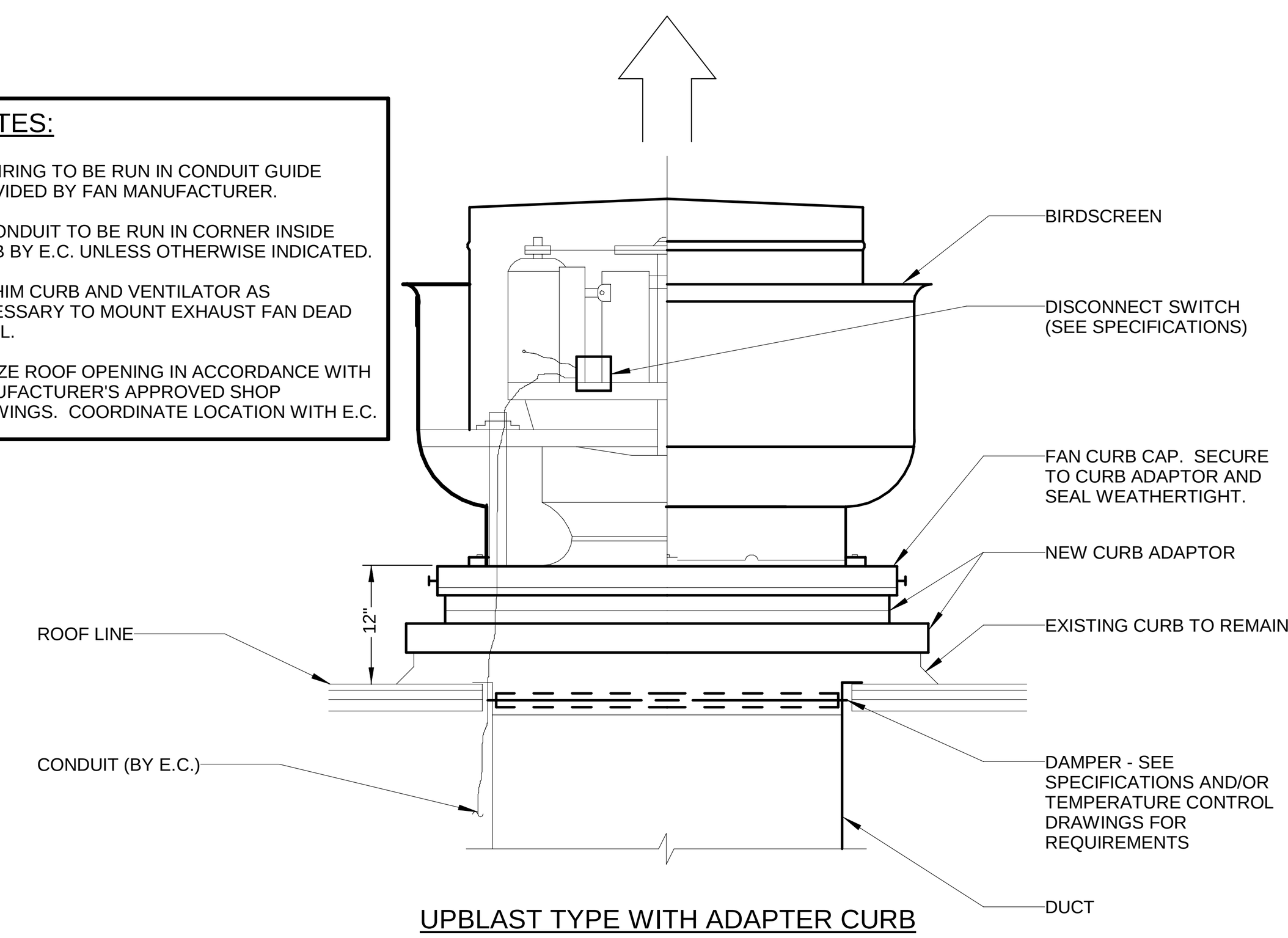
PLAN VIEW

EXHAUST OR RETURN BRANCH DUCTWORK

N.T.S.

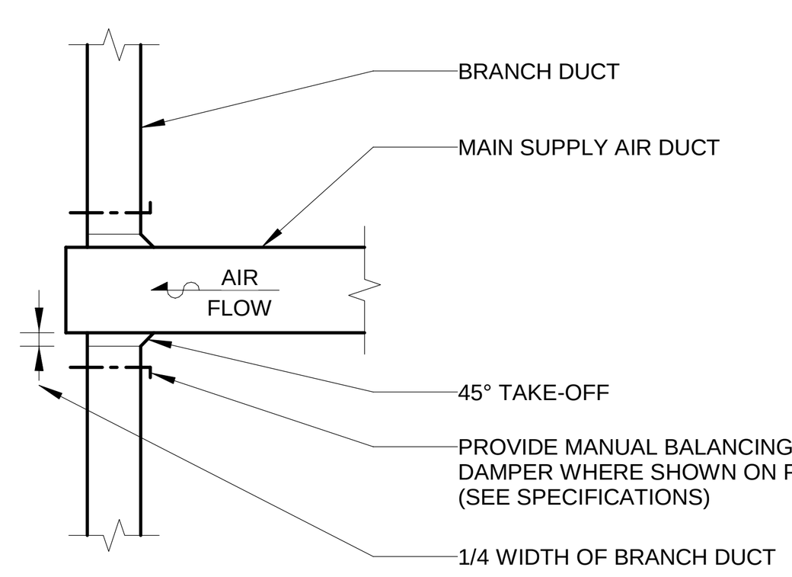
NOTES:

1. WIRING TO BE RUN IN CONDUIT GUIDE PROVIDED BY FAN MANUFACTURER.
2. CONDUIT TO BE RUN IN CORNER INSIDE CURB BY E.C. UNLESS OTHERWISE INDICATED.
3. SHIM CURB AND VENTILATOR AS NECESSARY TO MOUNT EXHAUST FAN DEAD LEVEL.
4. SIZE ROOF OPENING IN ACCORDANCE WITH MANUFACTURER'S APPROVED SHOP DRAWINGS. COORDINATE LOCATION WITH E.C.



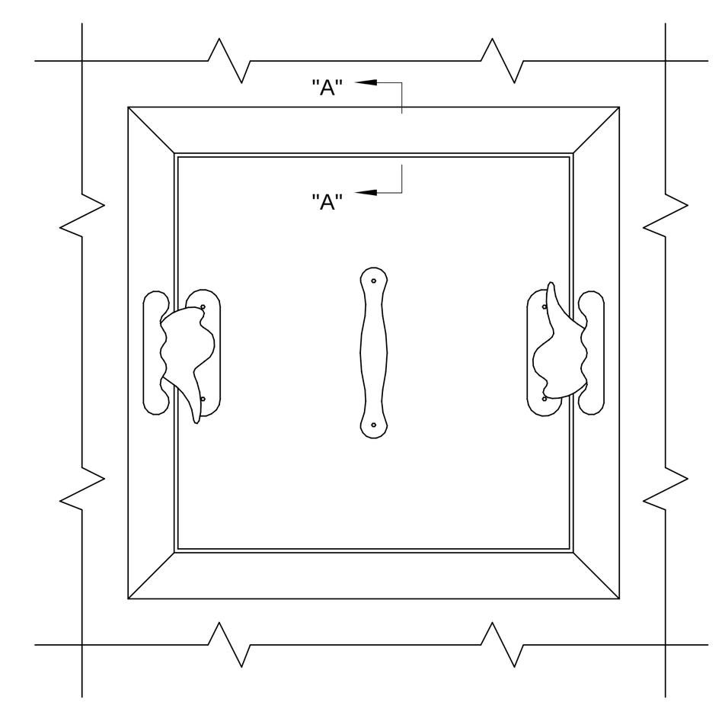
UPBLAST TYPE WITH ADAPTER CURB

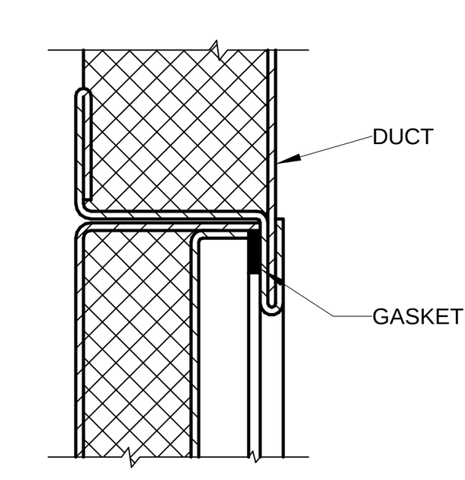
ROOF CENTRIFUGAL EXHAUST FAN



LOW PRESSURE END OF SUPPLY AIR DUCT DETAIL

N.T.S.

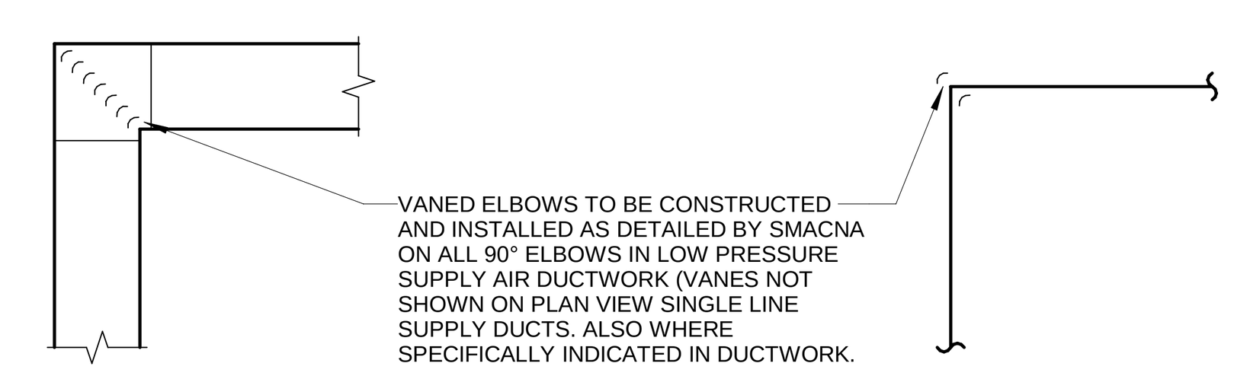




SECTION "A-A"

ACCESS PANEL

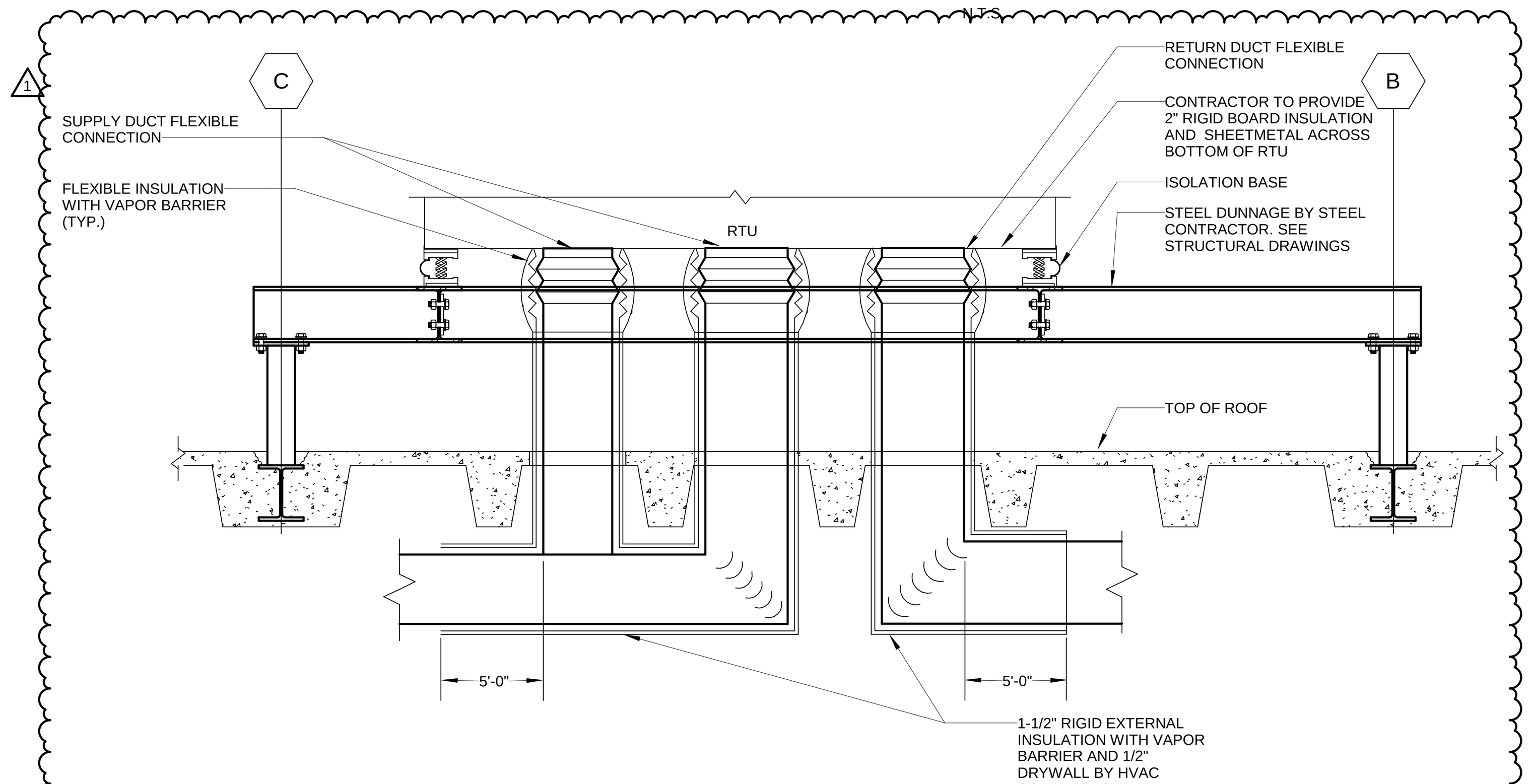
N.T.S.



(1-1/2 WIDTH RADIUS-TYPE ELBOWS ARE OPTIONAL; SEE MECHANICAL SPECIFICATIONS)

LOW PRESSURE SUPPLY AIR DUCT ELBOW DETAIL

N.T.S.

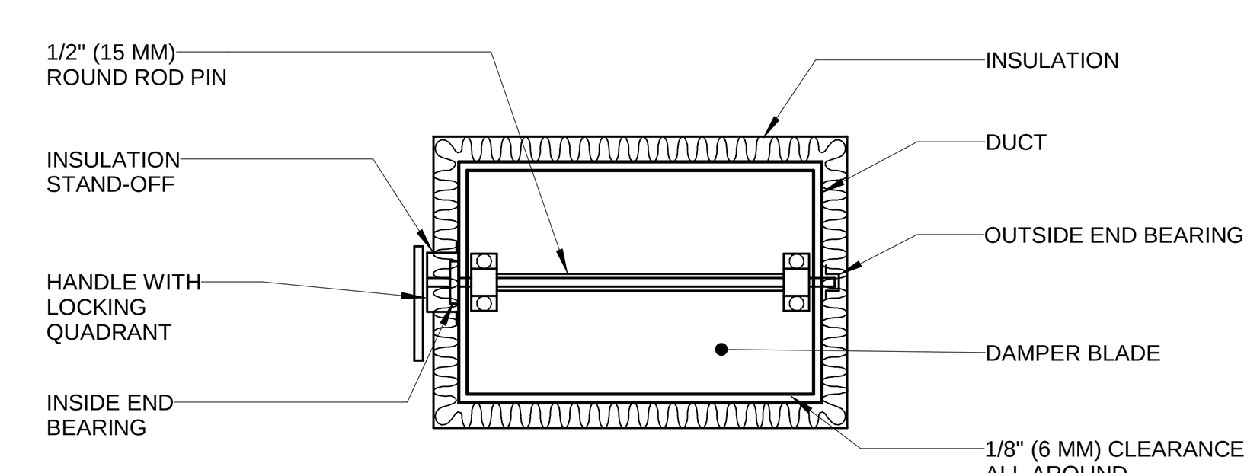


RTU-2 (RTU-3 SIMILAR)
ROOFTOP WITH SPRING ISOLATION BASE ON DUNNAGE

N.T.S.

NOTE:

1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.



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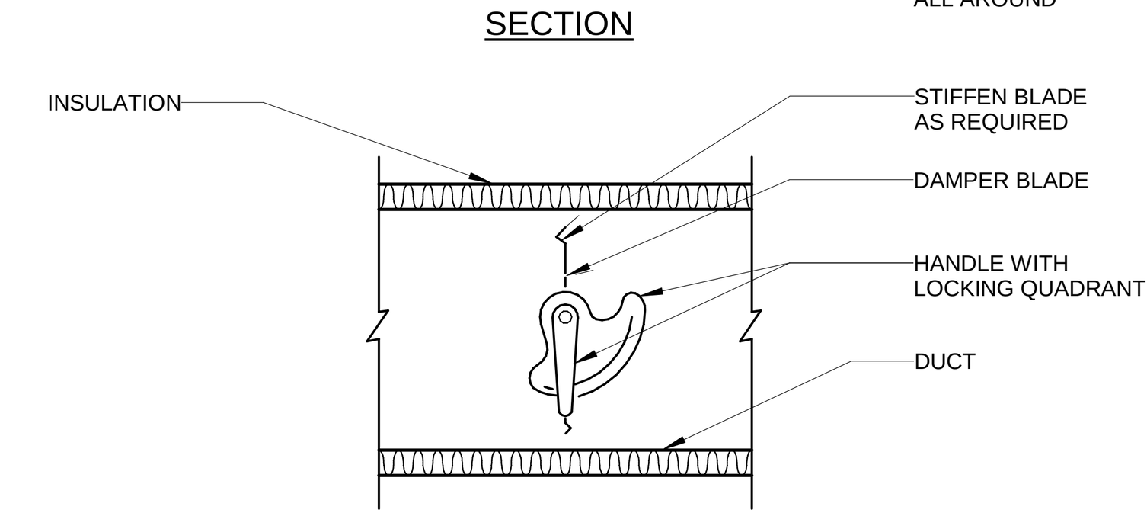
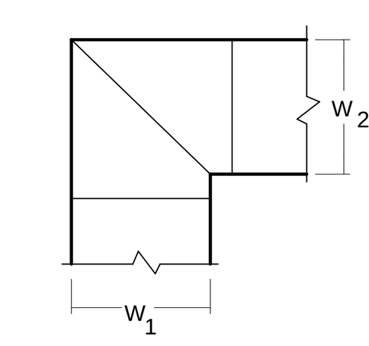


SIDE ELEVATION

VOLUME DAMPER DETAIL

N.T.S.



NOTES:

1. ALL VANED ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
2. WHEN W_1 DOES NOT EQUAL W VANE SHALL BE SINGLE VANE TYPE REGARDLESS OF W DIMENSION.
3. ALL SINGLE VANES SHALL HAVE A 2" (50 MM) RADIUS, 1 1/2" (40 MM) MAXIMUM SPACE BETWEEN VANES AND A 3/4" (20 MM) TRAILING EDGE.
4. WHEN W_1 EQUALS W AND W IS GREATER THAN 20" (500 MM) VANES SHALL BE DOUBLE VANE TYPE.

DUCTWORK SQUARE VANED ELBOWS

N.T.S.

5/11/2026 2:46:51 PM

SILLING
405 Capitol Street, Upper Atrium
Charleston, West Virginia 25301
Phone 304.346.0565
www.silling.com

HBM ARCHITECTURE INTERIOR DESIGN
1382 W Ninth Street, Suite 300
Cleveland, Ohio 44113
Phone 216.241.1101
www.hbmarchitects.com

seal

CHAD B. MONTGOMERY REGISTERED 022922 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

SIGNATURE 04.06.26 DATE

client

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Fairmont, WV 26554
Phone: (304) 367.4110

mechanical / electrical engineers

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1208 Massillon Rd. Suite G200
Akron, OH 44306
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structural engineer

SMBH Inc.
1166 Dublin Road
Columbus, OH 43215
Phone: (614) 481-9800

project

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drawing issue

CONSTRUCTION DOCUMENTS 04.06.26

revisions

1 ADDENDUM 04 05.12.2026

title

DETAILS - MECHANICAL

date

04.06.2026

sheet number

M5.1

EQUIPMENT SCHEDULE

ID	QTY	DESCRIPTION	MANUFACTURER	MODEL	VOLTAGE	AMP	NEMA	CORD	LOW VOLTAGE	BFP REQUIRED	SUPPLY HANDOFF	SUPPLY TYPE	DRAIN REQUIRED	NOTE	FURNISHED BY	INSTALLED BY
A1	3	MENU BOARD DISPLAY	NEC	4P-B55EJ2U	120		1-15p	CORDED	CAT6					Hang and tilt on A2 Displays to be abutting	GC	GC
A2	3	MENU BOARD MOUNTS	CHIEF	RMT3										Blocking required. Mount to Wall	GC	GC
A3	2	PAPER TOWEL DISPENSER	TORK	H1 MANUAL										Mount to wall at 48"	KEC	GC
A4	2	HAND SINK SOAP DISPENSER	ECOLAB											Mount to wall at 48"	VENDOR	VENDOR
A5	1	3 COMP SINK CHEMICAL DISPENSER	ECOLAB	2.5 GAL BRACKETS										Mount to wall	VENDOR	VENDOR
A6	1	MOP SINK CHECMICAL DISPENSER	ECOLAB	2.5 GAL BRACKETS										Mount to wall	VENDOR	VENDOR
A7	5	STAINLESS STEEL LEG	REGENCY	600LEGS820										Quantity and location to be confirmed / adjusted by millwork	KEC	GC
A7.1	5	STAINLESS STEEL FLANGED FOOT	REGENCY	600SSFF										1 required for each leg (A7)	KEC	GC
A8	5	UNDERCOUNTER L BRACKET	IRON SUPPORTS	14" D x 10" H										Mount to wall	KEC	GC
A9	4	NITROGEN TANK BRACKET	RLUII	GRAY										Mount to wall at 24"	SAXBYS	GC
A10	1	POS TERMINAL	TOAST						CAT6					Low Voltage at 18"	SAXBYS	SAXBYS
A11	1	POS PRINTER	EPSON						CAT6					Low Voltage at 18"	SAXBYS	SAXBYS
A12	1	ORDER AHEAD TABLET	TOAST						CAT6					Low Voltage at 18"	SAXBYS	SAXBYS
A13	1	ORDER AHEAD PRINTER	TOAST						CAT6					Low Voltage at 18"	SAXBYS	SAXBYS
A14	1	PICK UP TABLET	TOAST						CAT6					Low Voltage at 18"	SAXBYS	SAXBYS
A15	1	CULINARY PRINTER	EPSON						CAT6					Electrical / Low Voltage at 44"	SAXBYS	SAXBYS
A16	1	TIMECLOCK TABLET	SAMSUNG	GALAXY Tab A7 Lite 8.7					CAT6; RJ45 CONNECTOR DOUBLE GANG BOX					Low Voltage at 42"	SAXBYS	SAXBYS
A17	1	TIMECLOCK TABLET BRACKET	VIDAMOUNT	On-Wall Tablet Mount										Mount to wall at 48"	SAXBYS	GC
A18	1	NETWORK RACK	CYBERPOWER	CR9U61003										Electrical at 60". Blocking required, Mount to wall	GC	GC
A19	1	SURVEY TABLET	TOAST						CAT6					Low Voltage at 18"	SAXBYS	SAXBYS
A20	1	WALL MOUNTED FIRST AID KIT	NOBLE	5773SHELFNOB										Mount to wall	KEC	GC
A21	1	WALL MOUNTED BODILY FLUID CLEANUP KIT	NOBLE	86612UFAO										Mount to wall	KEC	GC
A22	2	13" KNIFE RACK	DEXTER RUSSELL	82103										Mount to wall	KEC	GC
A23	8	WALL MOUNTED GLOVE BOX MOUNT	NOBLE	394RWGD1										Mount to wall	KEC	GC
A24	1	WALL MOUNTED MOP HOLDER	CARLISLE	4073100										Mount to wall	KEC	GC
A30	1	LASER PRINTER	BROTHER	HL-L2350DW											GC	GC
E1	1	COFFEE BREWER	BUNN	53100.0101	120/208	14	14-20P	SUPPLY CORD		YES	3/8" COMPRESSION	FILTERED CW		Plumb at 44" from E60 with BFP. Set in place, provide and install cord, plug into outlet	KEC	KEC
E2	1	COFFEE GRINDER	BUNN	22100.0000	120	11	5-15P	CORDED						Unpack, set in place, plug into outlet	KEC	KEC
E3	3	COFFEE SHUTTLE	BUNN	44050.0200										Unpack, set in place	KEC	KEC
E5	1	ESPRESSO MACHINE	EVERSYS	E'4S GROUP	208	30	L6-30P	CORDED	CAT6	YES	3/8" COMPRESSION	FILTERED CW	INDIRECT	Provide photos as requested to ensure site is ready for install	VENDOR	VENDOR
E5.1	1	ESPRESSO FILTER	BWT	BESTMAX (L)								FILTERED CW		From E60	VENDOR	VENDOR
E7	1	PITCHER RINSER	RHINO	RHPR300-S							3/8" COMPRESSION	CW	INDIRECT	Plumb in water line at 24". Drain to FS. Pressure Limiting Valve: 50psi	KEC	GC
E9	2	BLENDER	VITAMIX	36019	120	15	5-15P	CORDED						Electrical at 42". Unpack, set in place, plug in to outlet	KEC	KEC
E10	1	CONVEYOR TOASTER	WARING	CTS1000B	208	13	5-20P	CORDED						Electrical at 54". Unpack, set in place, remove laser wrap, plug into outlet	KEC	KEC
E11	2	COUNTERTOP OVEN	MERRYCHEF	CONNEX 12 HIGH POWER	208/240		6-30P	CORDED						Electrical at 24" and 48". Unpack, set in place, remove laser wrap, plug into outlet	KEC	KEC
E12	1	DRAFT TOWER	MICROMATIC	DS-144-PSS										Provide photos as requested to ensure site is ready for install	KEC	VENDOR
E13	1	DRIP TRAY	MICROMATIC	DP-1020D									INDIRECT	Plumb in (Drain to bucket in cabinet)	KEC	VENDOR
E14	1	33" PASTRY CASE	COOLER DEPOT	ZW-90										Unpack, set in place, clear silicon each corner	KEC	KEC
E15	1	PEDESTAL GLASS AND PITCHER FILLER	FISHER	1008						YES	3/8" COMPRESSION	FILTERED CW		Plumb in at 24" from E60	KEC	GC
E16	1	36" UC DISPLAY CASE	STRUCTURAL CONCEPTS	C33R-UC	110/120	10.85	5-15P	CORDED						Unpack, set in place, level with adjustable feet, plug into outlet	KEC	KEC
E17	1	UC REFRIGERATOR, 27"	TRUE	TUC-27-LP-HC	115	2	5-15P	CORDED						Barrel locks and 2 1/2" casters required. Unpack, set in place, remove laser wrap, plug into outlet	KEC	KEC
E18	1	UC REFRIGERATOR, 36"	TRUE	TUC-36-LP-HC	115	2	5-15P	CORDED						Barrel locks and 2 1/2" casters required. Unpack, set in place, remove laser wrap, plug into outlet	KEC	KEC
E19	1	REFRIGERATED WORK TABLE, 48"	AVANTCO	178SSWT48RA	115	3	5-15P	CORDED						Barrel locks required. Unpack, set in place, remove laser wrap, plug into outlet	KEC	KEC
E20	1	REFRIGERATED PREP TABLE, 48"	AVANTCO	178SSPT48A	115	4.9	5-15P	CORDED						Unpack, set in place, remove laser wrap, plug into outlet	KEC	KEC
E21	1	DROP-IN ICE BIN	KROWNE	D278									INDIRECT	Plumb in (drain to FS)	KEC	GC
E28	1	GREASE INTERCEPTOR	SEE PLUMBING DRAWINGS												GC	GC
E33	1	POT FILLER	WATERLOO	750PF24DJ						YES	1/2" COMPRESSION	FILTERED CW		Plumb at 54" from E60	KEC	GC
E35	1	ICE MAKER	HOSHIZAKI	KM-520-MAJ	115	10.6	5-15P	SUPPLY CORD		YES				Unpack, set in place, plumb at 42" from E60 with BFP, install cord, plug into outlet	KEC	KEC
E35.1	1	ICE BIN	HOSHIZAKI	B-300PF									INDIRECT	Unpack, set in place, plumb in (drain to FS)	KEC	KEC
E36	1	REACH-IN REFRIGERATOR	AVANTCO	178SS3RHC	115	7.2	5-15P	CORDED						Unpack, set in place, remove laser wrap, plug into outlet	KEC	KEC
E38	1	REACH-IN FREEZER	AVANTCO	178A49FHC	115	8.5	5-15P	CORDED						Unpack, set in place, remove laser wrap, plug into outlet	KEC	KEC
E41	7	EPOXIED WIRE SHELF 24" x 48"	REGENCY	460G2448KM75										Unpack, assemble, put in place	KEC	KEC
E42	4	WALL MOUNTED SS SHELF	REGENCY	600WS1836										Blocking required, Mount to wall	KEC	KEC
E42.1	2	TICKET RAIL	SAN JAMAR	CK6536A										Mount to SS shelf	KEC	KEC
E44	2	WALL MOUNTED SS SHELF	REGENCY	600WS1848										Blocking required, Mount to wall	KEC	KEC
E44.1	1	TICKET RAIL	SAN JAMAR	CK6548A										Mount to SS shelf	KEC	KEC
E45	1	STAINLESS STEEL FILLER TABLE 26" x 30"	REGENCY	600TB3026G										Unpack, assemble, put in place	KEC	KEC
E46	4	WALL MOUNTED WIRE SHELF, 18"x36"	REGENCY	460EG1836										Blocking required, Mount to wall	KEC	KEC
E46.1	4	WALL MOUNT	REGENCY	460GB18X										Blocking required, Mount to wall	KEC	KEC
E46.2	2	WALL MOUNT ADAPTER	REGENCY	460GDB18X										Blocking required, Mount to wall	KEC	KEC
E49	1	STEEL STACKING CART	MERRYCHEF	SR329										Unpack, remove laser wrap, set in place	KEC	KEC
E50	2	SS PICK UP SHELVES, 18"x54"	REGENCY	460SS1854										Unpack, assemble, put in place	KEC	LEC
E50.1	4	SS PICK UP POSTS, 27"	REGENCY	460SSP27										Unpack, assemble, put in place	KEC	KEC
E51	4	UC SS SHELVES, 24"x30"	REGENCY	460SS2430										Unpack, assemble, put in place	KEC	KEC
E51.1	16	UC SS POSTS, 27"	REGENCY	460SSP27										Unpack, assemble, put in place	KEC	KEC
E55	1	DEPOSITORY SAFE	BARSKA	AX13312										Unpack, put in place	KEC	KEC
E57	5	NARROW TRASH CAN	LAVEX	475WH23BK										Unpack, put in place	KEC	KEC
E58	2	NARROW RECYCLE	LAVEX	475WH23BLREC										Unpack, put in place	KEC	KEC
E59	3	LOCKER STORAGE	REGENCY	600LC13122KG										Unpack, put in place	KEC	KEC
E60	1	WATER FILTER	PENTAIR	EV9328-06						YES	3/4" COMPRESSION	CW		Mount to wall, plumb in. Outlet supplies E5.1, E35, E33, E15, E1	KEC	GC
SK1	1	3-COMP SINK	REGENCY	600S316201GR									DIRECT	Unpack, secure to wall, plumb faucet, food grde silicone edges	KEC	GC
SK1.1	1	3-COMP SINK FAUCET	T&S BRASS	MPY-8WLN-12-4C							1/2" COMPRESSION	HW & CW		Faucet for SK1	KEC	GC
SK2	1	WALL MOUNTED HAND SINK	KROWNE	HS-30L							1/2" COMPRESSION	HW & CW	DIRECT	Unpack, mount to wall, plumb faucet	KEC	GC
SK3	1	1-COMP SINK	REGENCY	600S11620X									INDIRECT	Unpack, set in place, plumb in (faucet and drain to FS)	KEC	GC
SS1	1	SS CUP DISPENSER CABINET	CUSTOM	CUSTOM FABRICATION										Provided by SS vendor. Install by GC	VENDOR	GC
SS1.1	6	CUP DISPENSER	DISPENSE-RITE	ADJ-2										Preinstalled by SS vendor	VENDOR	GC
SS2	1	SS BACK COUNTER	CUSTOM	CUSTOM FABRICATION										Provided by SS vendor. Assembly, plumbing connections, and install by GC	VENDOR	GC
SS2.1	1	DROP IN HAND SINK	KROWNE	HS-1220								HW & CW	DIRECT	Preinstalled by SS vendor. Plumbing connections by GC	VENDOR	GC
SS2.2	1	DROP-IN DUMP SINK	KROWNE	HS-1419								HW & CW	INDIRECT	Preinstalled by SS vendor. Plumbing connections by GC	VENDOR	GC
SS2.3	1	DROP-IN ICE BIN	KROWNE	D278									INDIRECT	Preinstalled by SS vendor. Drain to FS by GC	VENDOR	GC
SS3	1	SS ESPRESSO COUNTER	CUSTOM	CUSTOM FABRICATION										Provided by SS vendor. Assembly, plumbing connections, and install by GC	VENDOR	GC
C1		360 CAMERA	UBIQUITI	UVC-AI-360					CAT6						GC	GC
SP2		CEILING SPEAKERS	JBL	24CT MICRO					SPEAKER WIRE (70V); RJ45 CONNECTOR AT VOLUME CONTROL						GC	GC
SP3		CEILING SPEAKERS	JBL	47HC, WHITE					SPEAKER WIRE (70V); RJ 45 CONNECTOR AT VOLUME CONTROL						GC	GC

ABBREVIATIONS:
KEC - KITCHEN EQUIPMENT CONTRACTOR

05/11/2026

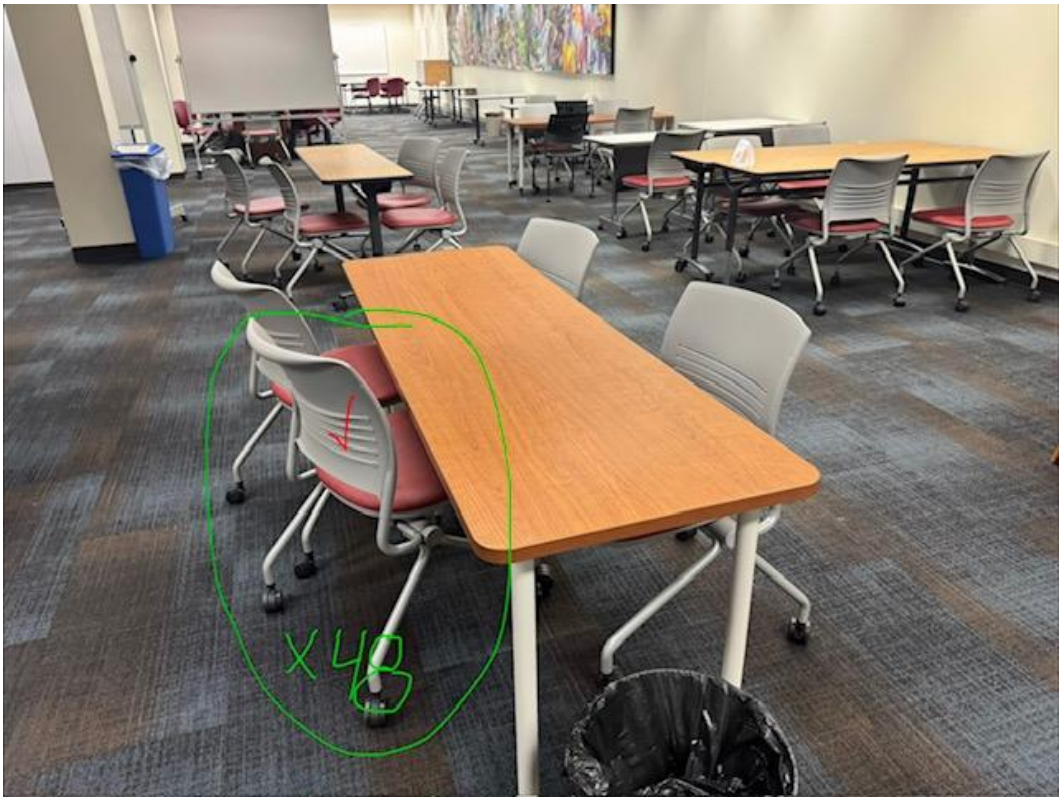
Furniture to be Removed By Owner

Fairmont State University will remove and reuse the following furnishings prior to demolition:

Modular Seating Group, Coffee Tables, and Beanbag chairs:

Study Pods:

Chairs with casters (48):



Modular wall system:

Mobile Markerboards: