

ADDENDUM NO. 02

1.1 PROJECT INFORMATION

- A. Project Name: **Ogden Community Services Building Remodel**
- B. Architect: GSBS Architects
- C. Architect Project Number: 2023.040.00
- D. Date of Addendum: **August 15, 2025**
- E. Addendum Number: 02

1.2 NOTICE TO GENERAL CONTRACTOR

- A. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract.
- B. The General Contractor shall acknowledge receipt of this Addendum.

1.3 ATTACHMENTS - PROJECT SPECIFICATIONS

- A. **064116 – Plastic Laminate-clad architectural cabinets.**
- B. **095113 – Acoustical Panel Ceilings**
- C. **096513 – Resilient Base and Accessories.**
- D. **096519 – Resilient Tile Flooring**
- E. **096813 – Tile Carpeting.**
- F. **123661.16 – Solid Surfacing Countertops.**

1.4 ATTACHMENTS - PROJECT DRAWING

A. ARCHITECTURAL:

- 1. G001: DRAWING INDEX, SYMBOLS AND ABBREVIATIONS**
 - a. Re-print in color.
- 2. AE101: FLOOR PLAN & REFLECTED CEILING PLAN**
 - a. Re-print in color.

- b. Eliminated wall types note.
 - c. Added note for Level 3 Armortex ballistic fiberglass wall panel and glazing (or equal).
 - d. Changed wall type D6Ci to D6Bi.
3. **AE102: INTERIOR ELEVATIONS**
- a. Revised millwork elevations.
 - b. Added millwork details.
4. **AE842: INTERIOR DETAILS**
- a. Added millwork details.

1.5 ATTACHMENTS – OTHER DOCUMENTS

A. **BID RFI AND RESPONSES.**

SECTION 064116 - PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Plastic-laminate-clad architectural cabinets.
2. Cabinet hardware and accessories.
3. Miscellaneous materials.

B. Related Requirements:

1. Section 061000 "Rough Carpentry" for wood furring, blocking, shims, and hanging strips required for installing cabinets that are concealed within other construction before cabinet installation.
2. Section 123661.16 "Solid Surface Countertops."

1.2 COORDINATION

A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections to support loads imposed by installed and fully loaded cabinets.

1.3 ACTION SUBMITTALS

A. Product Data:

1. Plastic-laminate-clad architectural cabinets.
2. Cabinet hardware and accessories.
3. Miscellaneous materials.

B. Product Data Submittals: For each product.

1. Include data for fire-retardant treatment from chemical-treatment manufacturer and certification by treating plant that treated materials comply with requirements.

C. Shop Drawings:

1. Include plans, elevations, sections, and attachment details.
2. Show large-scale details.
3. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
4. Show locations and sizes of cutouts and holes for items installed in plastic-laminate architectural cabinets.

- D. Samples: For each exposed product and for each color and texture specified, in manufacturer's or manufacturer's standard size.
- E. Samples for Initial Selection: For each type of exposed finish.
- F. Samples for Verification: For the following:
 - 1. Plastic Laminates: 8 by 10 inches, for each type, color, pattern, and surface finish required.
 - a. Provide one sample applied to core material with specified edge material applied to one edge.
 - 2. Exposed Cabinet Hardware and Accessories: One full-size unit for each type and finish.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For manufacturer and installer.
- B. Evaluation Reports: For fire-retardant-treated materials, from ICC-ES.
- C. Field quality-control reports.

1.5 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.
 - 1. Manufacturer's Certification: Licensed participant in AWI's Quality Certification Program.
- B. Installer Qualifications: Licensed participant in AWI's Quality Certification Program.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver cabinets until painting and similar finish operations that might damage architectural cabinets have been completed in installation areas. Store cabinets in installation areas or in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

1.7 FIELD CONDITIONS

- A. Environmental Limitations without Humidity Control: Do not deliver or install cabinets until building is enclosed, wet-work is complete, and HVAC system is operating and maintaining

- temperature and relative humidity at levels planned for building occupants during the remainder of the construction period.
- B. Environmental Limitations with Humidity Control: Do not deliver or install cabinets until building is enclosed, wet-work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg F and relative humidity between 25 and 55 percent during the remainder of the construction period.
- C. Field Measurements: Where cabinets are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
1. Locate concealed framing, blocking, and reinforcements that support cabinets by field measurements before being enclosed/concealed by construction and indicate measurements on Shop Drawings.
- D. Established Dimensions: Where cabinets are indicated to fit to other construction, establish dimensions for areas where cabinets are to fit. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

PART 2 - PRODUCTS

2.1 ARCHITECTURAL CABINETS

- A. Manufacturers: Subject to compliance with requirements, available AWI Qualification Program manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. JLR-Fondell Woodwork, Phone: 801-373-5642. Address: 1657 North State Street, Lehi, Utah 84043.
 2. Fetzer's Inc., Phone: 801-484-6103. Address: 6223 West Double Eagle Circle, Salt Lake City, Utah 84118.
 3. Masterpiece Commercial Millwork, Phone: 801-406-9950. Address: 1291 W. Center Street, Lindon, Utah 84042.
 4. Associated Fixture Manufactures, Inc. Phone (801) 250-7620. Address: 8975 W 3500 S, Magna UT 84044

2.2 PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS

- A. Quality Standard: Unless otherwise indicated, comply with the Architectural Woodwork Standards for grades of cabinets indicated for construction, finishes, installation, and other requirements.
1. Provide labels and certificates from AWI certification program indicating that woodwork and installation complies with requirements of grades specified.

2. The Contract Documents contain requirements that are more stringent than the referenced quality standard. Comply with requirements of Contract Documents in addition to those of the referenced quality standard.
- B. Architectural Woodwork Standards Grade: Custom.
- C. Type of Construction: Frameless.
- D. Door and Drawer-Front Style: Flush overlay.
- E. High-Pressure Decorative Laminate: ISO 4586-3, grades as indicated or if not indicated, as required by quality standard.
1. Basis-of-Design Product: Subject to compliance with requirements, provide either the named product or comparable product by another manufacturer. Products from other manufacturers must be pre-approved prior to bid date and should be delivered to GSBS for Architect and Owner review. Submitted products will be evaluated for approval based on comparable construction makeup, as well as design aesthetic.
- F. Exposed Surfaces:
1. Plastic-Laminate Grade: HGS.
 2. Edges: Grade HGS.
 3. Pattern Direction: Vertically for drawer fronts, doors, and fixed panels.
- G. Semiexposed Surfaces:
1. Surfaces Other Than Drawer Bodies: Thermally fused laminate panels.
 - a. Edges of Plastic-Laminate Shelves: PVC tape, 0.018-inch minimum thickness, matching laminate in color, pattern, and finish.
 - b. Edges of Thermally Fused Laminate Panel Shelves: PVC or polyester edge banding.
 - c. For semiexposed backs of panels with exposed plastic-laminate surfaces, provide surface of high-pressure decorative laminate, ISO 4586-3, grade to match exposed surface.
 2. Drawer Sides and Backs: Thermally fused laminate panels with PVC or polyester edge banding.
 3. Drawer Bottoms: Thermally fused laminate panels.
- H. Dust Panels: 1/4-inch plywood or tempered hardboard above compartments and drawers unless located directly under tops.
- I. Concealed Backs of Panels with Exposed Plastic-Laminate Surfaces: High-pressure decorative laminate, ISO 4583-3, grade to match exposed surface.
- J. Drawer Construction: Fabricate with exposed fronts fastened to subfront with mounting screws from interior of body.
1. Join subfronts, backs, and sides with glued rabbeted joints supplemented by mechanical fasteners.

K. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:

1. As indicated in architectural drawings.

2.3 WOOD MATERIALS

A. Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of architectural cabinet and quality grade specified unless otherwise indicated.

1. Wood Moisture Content: 8 to 13 percent.
- B. Composite Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of architectural cabinet and quality grade specified unless otherwise indicated.

1. Medium-Density Fiberboard (MDF): ANSI A208.2, Grade 130.
2. Particleboard (Medium Density): ANSI A208.1, Grade M-2-Exterior Glue.
3. Softwood Plywood: DOC PS 1, medium-density overlay.
4. Thermally Fused Laminate (TFL) Panels: Particleboard or MDF finished with thermally fused, melamine-impregnated decorative paper and complying with requirements of ISO 4586.

2.4 FIRE-RETARDANT-TREATED MATERIALS

A. Fire-Retardant-Treated Materials, General: Where fire-retardant-treated materials are indicated, use materials that are acceptable to authorities having jurisdiction and with fire-test-response characteristics specified as determined by testing identical products in accordance with test method indicated by a qualified testing agency.

1. Use treated materials that comply with requirements of referenced quality standard. Do not use materials that are warped, discolored, or otherwise defective.
2. Use fire-retardant-treatment formulations that do not bleed through or otherwise adversely affect finishes. Do not use colorants to distinguish treated materials from untreated materials.
3. Identify fire-retardant-treated materials with appropriate classification marking of qualified testing agency in the form of removable paper label or imprint on surfaces that will be concealed from view after installation.
- B. Fire-Retardant-Treated Lumber and Plywood: Products with a flame-spread index of 25 or less when tested in accordance with ASTM E84, with no evidence of significant progressive combustion when the test is extended an additional 20 minutes, and with the flame front not extending more than 10.5 feet beyond the centerline of the burners at any time during the test.
1. Kiln-dry lumber and plywood after treatment to a maximum moisture content of 19 and 15 percent, respectively.
2. For items indicated to receive a stained or natural finish, use organic resin chemical formulation.

- 3. Mill lumber after treatment within limits set for wood removal that do not affect listed fire-test-response characteristics, using a woodworking shop certified by testing and inspecting agency.
 - 4. Mill lumber before treatment and implement procedures during treatment and drying processes that prevent lumber from warping and developing discolorations from drying sticks or other causes, marring, and other defects affecting appearance of architectural cabinets.
- C. Fire-Retardant Particleboard: Made from softwood particles and fire-retardant chemicals mixed together at time of panel manufacture to achieve flame-spread index of 25 or less and smoke-developed index of 25 or less in accordance with ASTM E84.
- 1. For panels 3/4 inch thick and less, comply with ANSI A208.1 for Grade M-2 except for the following minimum properties: modulus of rupture, 1600 psi; modulus of elasticity, 300,000 psi; internal bond, 80 psi; and screw-holding capacity on face and edge, 250 and 225 lbf, respectively.
 - 2. For panels 13/16 to 1-1/4 inches thick, comply with ANSI A208.1 for Grade M-1 except for the following minimum properties: modulus of rupture, 1300 psi; modulus of elasticity, 250,000 psi; linear expansion, 0.50 percent; and screw-holding capacity on face and edge, 250 and 175 lbf, respectively.
- D. Fire-Retardant Fiberboard: MDF panels complying with ANSI A208.2, made from softwood fibers, synthetic resins, and fire-retardant chemicals mixed together at time of panel manufacture to achieve flame-spread index of 25 or less and smoke-developed index of 200 or less in accordance with ASTM E84.

2.5 CABINET HARDWARE AND ACCESSORIES

- A. Cabinet Hardware: Provide cabinet hardware and accessory materials associated with architectural cabinets except for items specified in Section 087111 "Door Hardware (Descriptive Specification)."
- B. Butt Hinges: 2-3/4-inch, five-knuckle steel hinges made from 0.095-inch-thick metal, and as follows:
 - 1. Semiconcealed Hinges for Flush Doors: ANSI/BHMA A156.9, B01361.
 - 2. Semiconcealed Hinges for Overlay Doors: ANSI/BHMA A156.9, B01521.
- C. Frameless Concealed Hinges (European Type): ANSI/BHMA A156.9, B01602, 135 degrees of opening, self-closing.
- D. Back-Mounted Pulls: ANSI/BHMA A156.9, B02011.
- E. Typical Building Pulls: Back mounted, solid brass. Manufacturer: Top Knobs, Collection: Square Bar Pull, #M1158 Reeded Pull, Brushed Nickel, 5 1/16 inch pull.
 - 1. Website: topknobs.com
 - 2. Submit actual sample pull with specified finish to architect for final approval.

- F. Adjustable Shelf Standards and Supports: ANSI/BHMA A156.9, B04102; with shelf brackets, B04112.
- G. Shelf Rests: ANSI/BHMA A156.9, B04013; metal.
- H. Drawer Slides: ANSI/BHMA A156.9.
 - 1. Heavy-Duty (Grade 1HD-100 and Grade 1HD-200): Side mount.
 - a. Type: Full extension.
 - b. Material: Zinc-plated ball bearing slides.
 - c. Motion Feature: Soft close dampener.
 - 2. Pencil drawers not more than 3 inches high and not more than 24 inches wide, provide 50 lb load capacity.
 - 3. General-purpose drawers more than 3 inches high, but not more than 6 inches high and not more than 24 inches wide, provide 75 lb load capacity.
 - 4. File drawers more than 6 inches high or more than 24 inches wide, provide 100 lb load capacity.
 - 5. Lateral file drawers more than 6 inches high and more than 24 inches but not more than 30 inches wide, provide 150 lb load capacity.
 - 6. Lateral file drawers more than 6 inches high and more than 30 inches wide, provide 200 lb load capacity.
- I. Door Locks: ANSI/BHMA A156.11, E07121.
- J. Drawer Locks: ANSI/BHMA A156.11, E07041.
- K. Door and Drawer Silencers: ANSI/BHMA A156.16, L03011.
- L. Grommets for Cable Passage: 2-inch OD, molded-plastic grommets and matching plastic caps with slot for wire passage.
 - 1. Product: Hafele; Metal Cable Grommet, One-Piece, Round 44mm
 - 2. Color: Stainless Steel Look - HA-631.31.012
 - 3. Website: Hafele.com
- M. Wire Management:
 - 1. Product: Mocket: WM22A – Large J-Shaped Under Desk Manager with Flange
 - 2. Color: Matte Black
 - 3. Website: Mocket.com
 - 4. Size: Full length of desk opening from grommet to outlet.
- N. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in ANSI/BHMA A156.9.

2.6 MISCELLANEOUS MATERIALS

- A. Furring, Blocking, Shims, and Hanging Strips: Softwood or hardwood lumber, kiln-dried to less than 15 percent moisture content.
- B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors.
- C. Adhesive for Bonding Plastic Laminate: Type I, waterproof type as selected by fabricator to comply with requirements.
 - 1. Adhesive for Bonding Edges: Hot-melt adhesive or adhesive specified above for faces.

2.7 FABRICATION

- A. Fabricate architectural cabinets to dimensions, profiles, and details indicated.
- B. Complete fabrication, including assembly and hardware application, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
 - 1. Notify Architect seven days in advance of the dates and times architectural cabinet fabrication will be complete.
 - 2. Trial fit assemblies at manufacturer's shop that cannot be shipped completely assembled. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting. Verify that various parts fit as intended and check measurements of assemblies against field measurements before disassembling for shipment.
- C. Shop-cut openings to maximum extent possible to receive hardware, appliances, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Before installation, condition cabinets to humidity conditions in installation areas for not less than 72 hours.

3.2 INSTALLATION

- A. Architectural Woodwork Standards Grade: Install cabinets to comply with quality standard grade of item to be installed.
- B. Assemble cabinets and complete fabrication at Project site to extent that it was not completed in the shop.
- C. Anchor cabinets to anchors or blocking built in or directly attached to substrates. Secure with wafer-head cabinet installation screws.
- D. Install cabinets level, plumb, and true in line to a tolerance of 1/8 inch in 96 inches using concealed shims.
 1. Scribe and cut cabinets to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
 2. Install cabinets without distortion so doors and drawers fit openings and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.
 3. Fasten wall cabinets through back, near top and bottom, and at ends not more than 16 inches o.c. with No. 10 wafer-head screws sized for not less than 1-1/2-inch penetration into wood framing, blocking, or hanging strips.

3.3 ADJUSTING AND CLEANING

- A. Repair damaged and defective cabinets, where possible, to eliminate functional and visual defects. Where not possible to repair, replace architectural cabinets. Adjust joinery for uniform appearance.
- B. Clean, lubricate, and adjust hardware.
- C. Clean cabinets on exposed and semiexposed surfaces.

END OF SECTION 064116

SECTION 095113 - ACOUSTICAL PANEL CEILINGS

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 acoustical panels and exposed suspension systems for ceilings and acoustical tiles.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- 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 size indicated below.
 - 1. Acoustical Panel: Set of 6-inch- square. Samples of each type, color, pattern, and texture.
- D. Product Test Reports: For each acoustical panel ceiling, for tests performed by manufacturer and witnessed by a qualified testing agency.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For finishes to include in maintenance manuals.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver acoustical panels, and accessories to Project site in original, unopened packages 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.
- C. Handle acoustical panels carefully to avoid chipping edges or damaging units in any way.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Surface-Burning Characteristics: Comply with ASTM E 84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - 1. Flame-Spread Index: Comply with ASTM E 1264 for Class A materials.
 - 2. Smoke-Developed Index: 450 or less.

2.2 ACOUSTICAL PANELS, GENERAL

A. Source Limitations:

- 1. Acoustical Ceiling Panel: Obtain each type from single source from single manufacturer.
- B. Source Limitations: Obtain each type of acoustical ceiling panel from single source from single manufacturer.
- C. Glass-Fiber-Based Panels: Made with binder containing no urea formaldehyde.
- D. Acoustical Panel Standard: Provide manufacturer's standard panels of configuration indicated that comply with ASTM E 1264 classifications as designated by types, patterns, acoustical ratings, and light reflectances unless otherwise indicated.

- 1. Mounting Method for Measuring NRC: Type E-400; plenum mounting in which face of test specimen is 15-3/4 inches (400 mm) away from test surface according to ASTM E 795.
- E. Acoustical Panel Colors and Patterns: Match appearance characteristics indicated for each product type.
 - 1. Where appearance characteristics of acoustical panels are indicated by referencing pattern designations in ASTM E 1264 and not manufacturers' proprietary product designations, provide products selected by Architect from each manufacturer's full range that comply with requirements indicated for type, pattern, color, light reflectance, acoustical performance, edge detail, and size.

2.3 ACOUSTICAL PANELS – TYPE B1

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Armstrong World Industries, Ultima or comparable product by one of the following:
 - 1. CertainTeed Corp.
 - 2. Chicago Metallic Corporation.
 - 3. USG Interiors, Inc. Subsidiary of USG Corporation.

- B. Classification: Provide panels complying with ASTM E 1264 for type, form, and pattern as follows:
 - 1. Type and Form: Type III, mineral base with painted finish; Form 2, water felted.
- C. Pattern: CE (perforated, small holes and lightly textured).
- D. Color: White.
- E. LR: Not less than 0.85.
- F. NRC: Not less than 0.75.
- G. CAC: Not less than 33.
- H. Edge/Joint Detail: Square.
- I. Thickness: 3/4 inch (19 mm).
- J. Modular Size: 24 by 48 inches (610 by 1220 mm).
- K. Broad Spectrum Antimicrobial Fungicide and Bactericide Treatment: Provide acoustical panels treated with manufacturer's standard antimicrobial formulation that inhibits fungus, mold, mildew, and gram-positive and gram-negative bacteria and showing no mold, mildew, or bacterial growth when tested according to ASTM D 3273 and evaluated according to ASTM D 3274 or ASTM G 21.

2.4 METAL SUSPENSION SYSTEMS, GENERAL

- A. Metal Suspension-System Standard: Provide manufacturer's standard direct-hung metal suspension systems of types, structural classifications, and finishes indicated that comply with applicable requirements in ASTM C 635/C 635M.
- B. Attachment Devices: Size for five times the design load indicated in ASTM C 635/C 635M, Table 1, "Direct Hung," unless otherwise indicated. Comply with seismic design requirements.
- C. Wire Hangers, Braces, and Ties: Provide wires complying with the following requirements:
 - 1. Zinc-Coated, Carbon-Steel Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper.
 - 2. Stainless-Steel Wire: ASTM A 580/A 580M, Type 304, nonmagnetic.
 - 3. Nickel-Copper-Alloy Wire: ASTM B 164, nickel-copper-alloy UNS No. N04400.
 - 4. Size: Select wire diameter so its stress at three times hanger design load (ASTM C 635/C 635M, Table 1, "Direct Hung") will be less than yield stress of wire, but provide not less than 0.135-inch- (3.5-mm-) diameter wire.
- D. Hanger Rods: 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 A 653/A 653M, G90 (Z275) coating designation; with bolted connections and 5/16-inch- (8-mm-) diameter bolts.
- F. Seismic Stabilizer Bars: Manufacturer's standard perimeter stabilizers designed to accommodate seismic forces.
- G. Seismic Struts: Manufacturer's standard compression struts designed to accommodate seismic forces.
- H. Seismic Clips: Manufacturer's standard seismic clips designed and spaced to secure acoustical panels in place.
- I. Hold-Down Clips: Where indicated, provide manufacturer's standard hold-down clips spaced 24 inches (610 mm) o.c. on all cross tees.
- J. Impact Clips: Where indicated, provide manufacturer's standard impact-clip system designed to absorb impact forces against acoustical panels.

2.5 METAL SUSPENSION SYSTEM

- A. Basis of Design Product: Subject to compliance with requirements, provide Armstrong World Industries, Prelude or comparable product by one of the following:
 - 1. CertainTeed Corp.
 - 2. USG Interiors Inc.; Subsidiary of USG Corporation.
 - 3. Chicago Metallic.
- B. Wide-Face, Capped, Double-Web, Steel Suspension System: Main and cross runners roll formed from cold-rolled steel sheet; prepainted, electrolytically zinc coated, or hot-dip galvanized according to ASTM A 653/A 653M, not less than G30 (Z90) coating designation; with prefinished 15/16-inch- (24-mm-) wide metal caps on flanges.
 - 1. Structural Classification: Heavy-duty system.
 - 2. End Condition of Cross Runners: Override (stepped) type.
 - 3. Face Design: Flat, flush.
 - 4. Cap Material: Steel cold-rolled sheet.
 - 5. Cap Finish: Painted white.

2.6 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. Provide manufacturer's standard edge moldings that fit acoustical panel edge details and suspension systems indicated and that match width and configuration of exposed runners unless otherwise indicated.
2. For circular penetrations of ceiling, provide edge moldings fabricated to diameter required to fit penetration exactly.
3. Use perimeter seismic clips to stabilize perimeter of suspended ceiling grid components, in accordance with ASCE/SEI 7, in lieu of 2" perimeter wall angle.
4. Provide aluminum reveal molding to transition between different ceiling materials where indicated in Drawings.
 - a. Basis-of-Design Product: Subject to compliance with requirements, provide Fry Reglet ARM-150-75 or equivalent product.

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 INSTALLATION

- A. General: Install acoustical panel ceilings to comply with ASTM C 636/C 636M and seismic design requirements indicated, according to manufacturer's written instructions and CISCA's "Ceiling Systems Handbook."
 1. Fire-Rated Assembly: Install fire-rated ceiling systems according to tested fire-rated design.
- B. 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 a neat, precise fit.
 1. Arrange directionally patterned acoustical panels as follows:
 - a. To match existing conditions.
 2. For square-edged panels, install panels with edges fully hidden from view by flanges of suspension-system runners and moldings.

- 3. For reveal-edged panels on suspension-system runners, install panels with bottom of reveal in firm contact with top surface of runner flanges.
 - 4. For reveal-edged panels on suspension-system members with box-shaped flanges, install panels with reveal surfaces in firm contact with suspension-system surfaces and panel faces flush with bottom face of runners.
 - 5. 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.
 - 6. Do not support ceilings directly from permanent metal forms or floor deck. Fasten hangers to cast-in-place hanger inserts, postinstalled mechanical or adhesive anchors, or power-actuated fasteners that extend through forms into concrete.
 - 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.
 - 8. Do not attach hangers to steel deck tabs.
 - 9. Do not attach hangers to steel roof deck. Attach hangers to structural members.
 - 10. 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.
 - 11. Size supplemental suspension members and hangers to support ceiling loads within performance limits established by referenced standards and publications.
- C. Secure bracing wires to ceiling suspension members and to supports with a minimum of four tight turns. 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 postinstalled 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, leveling with ceiling suspension system to a tolerance of 1/8 inch in 12 feet (3.2 mm in 3.6 m). 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 a neat, precise fit.
- 1. For square-edged panels, install panels with edges fully hidden from view by flanges of suspension-system runners and moldings.
 - 2. For reveal-edged panels on suspension-system runners, install panels with bottom of reveal in firm contact with top surface of runner flanges.

3. For reveal-edged panels on suspension-system members with box-shaped flanges, install panels with reveal surfaces in firm contact with suspension-system surfaces and panel faces flush with bottom face of runners.
4. 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.
5. Install hold-down and impact clips in areas indicated, in areas required by authorities having jurisdiction, and for fire-resistance ratings; space as recommended by panel manufacturer's written instructions unless otherwise indicated.
6. Protect lighting fixtures and air ducts to comply with requirements indicated for fire-resistance-rated assembly.

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

END OF SECTION 095113

SECTION 096513 - RESILIENT BASE AND ACCESSORIES

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. Rubber molding accessories.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each exposed product and for each color and texture specified, not less than 12 inches long.
- C. Samples for Initial Selection: For each type of product indicated.
- D. Samples for Verification: For each type of product indicated and for each color, texture, and pattern required in manufacturer's standard-size Samples, but not less than 12 inches long.
- E. Product Schedule: For resilient base and accessory products. Use same designations indicated on Drawings.

1.4 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. Furnish not less than 2 percent of each type, color, pattern, and size of resilient product installed.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced installer to perform work of this Section who has specialized in installing resilient products similar to those required for this Project and with a record of successful in-service performance.

- B. Source Limitations: Obtain each type and color of product specified from one source with resources to provide products of consistent quality in appearance and physical properties without delaying the Work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F.

1.7 FIELD CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive resilient products during the following periods:
1. 48 hours before installation.
 2. During installation.
 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Install resilient products after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.
1. Critical Radiant Flux Classification: Class 1, not less than 0.45 W/sq. cm.
 2. Smoke Density: Maximum specific optical density of 450 or less when tested per ASTM E 662.

2.2 RUBBER MOLDING ACCESSORY

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. Burke Mercer Flooring Products.
 2. Flexco, Inc.
 3. Johnsonite.

RESILIENT BASE AND ACCESSORIES

096513 - 2

OGDEN COMMUNITY SERVICES BALLISTIC UPGRADE AND REMODEL
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4. Roppe Corporation, USA.
- B. Description: Rubber carpet edge for glue-down applications, nosing for carpet, reducer strip for resilient floor covering, joiner for tile and carpet transition strips.
- C. Profile and Dimensions: As indicated.
- D. Locations: Provide rubber molding accessories in areas indicated.
- E. Colors and Patterns: Match Architect's sample.

2.3 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by resilient-product manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by resilient-product manufacturer for resilient products and substrate conditions indicated.
 1. Use adhesives that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):
 - a. Rubber Floor Adhesives: Not more than 60 g/L.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
 1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
 1. Installation of resilient products indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.

- B. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound; remove bumps and ridges to produce a uniform and smooth substrate.
- C. Do not install resilient products until materials are the same temperature as space where they are to be installed.
 - 1. At least 48 hours in advance of installation, move resilient products and installation materials into spaces where they will be installed.
- D. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient products.

3.3 RESILIENT ACCESSORY INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient accessories.
- B. Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of floor covering that would otherwise be exposed.

3.4 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protecting resilient products.
- B. Perform the following operations immediately after completing resilient-product installation:
 - 1. Remove adhesive and other blemishes from surfaces.
 - 2. Sweep and vacuum horizontal surfaces thoroughly.
 - 3. Damp-mop horizontal surfaces to remove marks and soil.
- C. Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- D. Cover resilient products subject to wear and foot traffic until Substantial Completion.

END OF SECTION 096513

SECTION 096519 - RESILIENT TILE FLOORING

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. Solid vinyl floor tile.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For each type of resilient floor tile.
 - 1. Include floor tile layouts, edges, columns, doorways, enclosing partitions, built-in furniture, cabinets, and cutouts.
 - 2. Show details of special patterns.
- C. Samples: Full-size units of each color, texture, and pattern of floor tile required.
- D. Samples for Initial Selection: For each type of floor tile indicated.
- E. Samples for Verification: Full-size units of each color and pattern of floor tile required.
- F. Product Schedule: For floor tile. Use same designations indicated on Drawings.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For each type of floor tile to include in maintenance manuals.

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. Floor Tile: Furnish one box for every 50 boxes or fraction thereof, of each type, color, and pattern of floor tile installed.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are competent in techniques required by manufacturer for floor tile installation and seaming method indicated.
 - 1. Engage an installer who employs workers for this Project who are trained or certified by floor tile manufacturer for installation techniques required.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Store floor tile and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F. Store floor tiles on flat surfaces.

1.9 FIELD CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive floor tile during the following periods:
 - 1. 48 hours before installation.
 - 2. During installation.
 - 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Close spaces to traffic during floor tile installation.
- D. Close spaces to traffic for 48 hours after floor tile installation.
- E. Install floor tile after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: For resilient floor tile, as determined by testing identical products according to ASTM E648 or NFPA 253 by a qualified testing agency.
 - 1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

2.2 SOLID VINYL FLOOR TILE – VT1

- A. Manufacturers: Subject to compliance with requirements, provide products as indicated on the drawings.

2.3 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by floor tile manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by floor tile and adhesive manufacturers to suit floor tile and substrate conditions indicated. Adhesives used must be compatible with the brand of vinyl tile be adhered.
 - 1. Adhesives shall have a VOC content of 50 g/L or less.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
 - 1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of floor tile.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Prepare substrates according to floor tile manufacturer's written instructions to ensure adhesion of resilient products.
- B. Concrete Substrates: Prepare according to ASTM F710.
 - 1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
 - 2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by floor tile manufacturer. Do not use solvents.
 - 3. Alkalinity and Adhesion Testing: Perform tests recommended by floor tile manufacturer. Proceed with installation only after substrate alkalinity falls within range on pH scale recommended by manufacturer in writing, but not less than 5 or more than 9 pH.
 - 4. Moisture Testing: Perform tests so that each test area does not exceed 200 sq. ft., and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.
 - a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
 - b. Relative Humidity Test: Using in-situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
- C. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound; remove bumps and ridges to produce a uniform and smooth substrate.
- D. Do not install floor tiles until materials are the same temperature as space where they are to be installed.
 - 1. At least 48 hours in advance of installation, move resilient floor tile and installation materials into spaces where they will be installed.
- E. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient floor tile.

3.3 FLOOR TILE INSTALLATION

- A. Comply with manufacturer's written instructions for installing floor tile.
- B. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.
 - 1. Lay tiles in pattern indicated.

- C. Match floor tiles for color and pattern by selecting tiles from cartons in the same sequence as manufactured and packaged, if so numbered. Discard broken, cracked, chipped, or deformed tiles.
 - 1. Lay tiles in pattern of colors and sizes indicated.
- D. Scribe, cut, and fit floor tiles to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and door frames.
- E. Extend floor tiles into toe spaces, door reveals, closets, and similar openings. Extend floor tiles to center of door openings.
- F. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on floor tiles as marked on substrates. Use chalk or other nonpermanent marking device.
- G. Install floor tiles on covers for telephone and electrical ducts, building expansion-joint covers, and similar items in installation areas. Maintain overall continuity of color and pattern between pieces of tile installed on covers and adjoining tiles. Tightly adhere tile edges to substrates that abut covers and to cover perimeters.
- H. Adhere floor tiles to substrates using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections. Adhesives used must be compatible with the brand of vinyl tile be adhered.

3.4 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protecting floor tile.
- B. Perform the following operations immediately after completing floor tile installation:
 - 1. Remove adhesive and other blemishes from surfaces.
 - 2. Sweep and vacuum surfaces thoroughly.
 - 3. Damp-mop surfaces to remove marks and soil.
- C. Protect floor tile from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- D. Cover floor tile until Substantial Completion.

END OF SECTION 096519

SECTION 096813 - TILE CARPETING

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. Modular carpet tile.

- B. Related Requirements:

- 1. Section 096513 "Resilient Base and Accessories" for resilient wall base and accessories installed with carpet tile.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

- 1. Review methods and procedures related to carpet tile installation including, but not limited to, the following:

- a. Review delivery, storage, and handling procedures.
 - b. Review ambient conditions and ventilation procedures.
 - c. Review subfloor preparation procedures.

1.4 ACTION SUBMITTALS

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

- 1. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
 - 2. Include manufacturer's written installation recommendations for each type of substrate.

- B. Shop Drawings: For carpet tile installation, plans showing the following:

- 1. Columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet tiles.
 - 2. Carpet tile type, color, and dye lot.
 - 3. Type of subfloor.

4. Type of installation.
 5. Pattern of installation.
 6. Pattern type, location, and direction.
 7. Pile direction.
 8. Type, color, and location of insets and borders.
 9. Type, color, and location of edge, transition, and other accessory strips.
 10. Transition details to other flooring materials.
- C. Samples: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.
1. Carpet Tile: Full-size Sample.
 2. Exposed Edge, Transition, and Other Accessory Stripping: 12-inch- long Samples.
- D. Samples for Initial Selection: For each type of carpet tile.
1. Include Samples of exposed edge, transition, and other accessory stripping involving color or finish selection.
- E. Samples for Verification: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.
1. Carpet Tile: Full-size Sample.
 2. Exposed Edge, Transition, and Other Accessory Stripping: 12-inch- long Samples.
- F. Product Schedule: For carpet tile. Use same designations indicated on Drawings.
- G. Sustainable Product Certification: Provide ANSI/NSF 140 certification for carpet products.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Product Test Reports: For carpet tile, for tests performed by a qualified testing agency.
- C. Sample Warranty: For special warranty.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For carpet tiles to include in maintenance manuals. Include the following:
 1. Methods for maintaining carpet tile, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule.
 2. Precautions for cleaning materials and methods that could be detrimental to carpet tile.

1.7 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. Carpet Tile: Full-size units equal to 5 percent of amount installed for each type indicated, but not less than 10 sq. yd..

1.8 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who is certified by the International Certified Floorcovering Installers Association at the Master II certification level.
- B. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.
 - 1. Build mockups at locations and in sizes shown on Drawings.
 - 2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Comply with the Carpet and Rug Institute's CRI 104.

1.10 FIELD CONDITIONS

- A. Comply with the Carpet and Rug Institute's CRI 104 for temperature, humidity, and ventilation limitations.
- B. Environmental Limitations: Do not deliver or install carpet tiles until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at levels planned for building occupants during the remainder of the construction period.
- C. Do not install carpet tiles over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.
- D. Where demountable partitions or other items are indicated for installation on top of carpet tiles, install carpet tiles before installing these items.

1.11 WARRANTY

- A. Special Warranty for Carpet Tiles: Manufacturer agrees to repair or replace components of carpet tile installation that fail in materials or workmanship within specified warranty period.

1. Warranty does not include deterioration or failure of carpet tile due to unusual traffic, failure of substrate, vandalism, or abuse.
2. Failures include, but are not limited to, the following:
 - a. More than 10 percent edge raveling, snags, and runs.
 - b. Dimensional instability.
 - c. Excess static discharge.
 - d. Loss of tuft-bind strength.
 - e. Loss of face fiber.
 - f. Delamination.
 - g. Insert failure characteristic.
3. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 CARPET TILE – CP1

- A. Products: Subject to compliance with requirements, provide the following:
 1. Shaw Contract
- B. Color: As indicated in architectural drawings
- C. Pattern: As indicated in architectural drawings
- D. Install Method: As indicated in architectural drawing
- E. Fiber Content: 100 percent nylon 6, 6.
- F. Pile Characteristic: Tufted textured loop pile.
- G. Yarn Weight: 20 oz./cu. yd.
- H. Density: 5180 oz./cu. yd.
- I. Pile Thickness: 0.289 for finished carpet tile according to ASTM D6859.
- J. Stitches: 9.0 insert stitches per inch.
- K. Primary Backing/Backcoating: Manufacturer's standard composite materials.
- L. Secondary Backing: Ultraloc
- M. Size: As indicated in Architectural Drawings.
- N. Applied Treatments:

1. Soil-Resistance Treatment: Manufacturer's standard treatment.
2. Antimicrobial Treatment: Manufacturer's standard treatment that protects carpet tiles as follows:
 - a. Antimicrobial Activity: Not less than 2-mm halo of inhibition for gram-positive bacteria, not less than 1-mm halo of inhibition for gram-negative bacteria, and no fungal growth, according to AATCC 174.

O. Performance Characteristics:

1. Appearance Retention Rating: Heavy traffic, 3.0 minimum according to ASTM D7330.
2. Critical Radiant Flux Classification: Not less than 0.45 W/sq. cm according to NFPA 253.
3. Dry Breaking Strength: Not less than 100 lbf according to ASTM D2646.
4. Dimensional Tolerance: Within 1/32 inch of specified size dimensions, as determined by physical measurement.
5. Dimensional Stability: 0.2 percent or less according to ISO 2551 (Aachen Test).
6. Colorfastness to Crocking: Not less than 4, wet and dry, according to AATCC 165.
7. Colorfastness to Light: Not less than 4 after 40 AFU (AATCC fading units) according to AATCC 16, Option E.
8. Electrostatic Propensity: Less than 3.5 kV according to AATCC 134.

2.2 CARPET TILE – CP1

- A. Products: Subject to compliance with requirements, provide the following:
1. Shaw Contract
 - B. Color: As indicated in architectural drawings
 - C. Pattern: As indicated in architectural drawings
 - D. Install Method: As indicated in architectural drawing
 - E. Fiber Content: 100 percent nylon 6, 6.
 - F. Pile Characteristic: Needlebond Hobnail
 - G. Yarn Weight: 49 oz./cu. yd.
 - H. Density: 6477 oz./cu. yd.
 - I. Pile Thickness: 0.362 for finished carpet tile according to ASTM D6859.
 - J. Primary Backing/Backcoating: Manufacturer's standard composite materials.
 - K. Secondary Backing: Ecoworx Tile

L. Size: As indicated in Architectural Drawings.

M. Applied Treatments:

1. Soil-Resistance Treatment: Manufacturer's standard treatment.
2. Antimicrobial Treatment: Manufacturer's standard treatment that protects carpet tiles as follows:
 - a. Antimicrobial Activity: Not less than 2-mm halo of inhibition for gram-positive bacteria, not less than 1-mm halo of inhibition for gram-negative bacteria, and no fungal growth, according to AATCC 174.

N. Performance Characteristics:

1. Appearance Retention Rating: Heavy traffic, 3.0 minimum according to ASTM D7330.
2. Critical Radiant Flux Classification: Not less than 0.45 W/sq. cm according to NFPA 253.
3. Dry Breaking Strength: Not less than 100 lbf according to ASTM D2646.
4. Dimensional Tolerance: Within 1/32 inch of specified size dimensions, as determined by physical measurement.
5. Dimensional Stability: 0.2 percent or less according to ISO 2551 (Aachen Test).
6. Colorfastness to Crocking: Not less than 4, wet and dry, according to AATCC 165.
7. Colorfastness to Light: Not less than 4 after 40 AFU (AATCC fading units) according to AATCC 16, Option E.
8. Electrostatic Propensity: Less than 3.5 kV according to AATCC 134.

2.3 INSTALLATION ACCESSORIES

- A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet tile manufacturer.
- B. Adhesives: Water-resistant, mildew-resistant, nonstaining, pressure-sensitive type to suit products and subfloor conditions indicated, that comply with flammability requirements for installed carpet tile, and are recommended by carpet tile manufacturer for releasable installation.
- C. Metal Edge/Transition Strips: Extruded aluminum with finish of profile and width shown, of height required to protect exposed edge of carpet, and of maximum lengths to minimize running joints.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet tile performance.
- B. Examine carpet tile for type, color, pattern, and potential defects.
- C. Concrete Slabs: Verify that finishes comply with requirements specified in Section 033000 "Cast-in-Place Concrete" and that surfaces are free of cracks, ridges, depressions, scale, and foreign deposits.
 - 1. Moisture Testing: Perform tests so that each test area does not exceed 200 sq. ft., and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.
 - a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
 - b. Relative Humidity Test: Using in situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
 - c. Perform additional moisture tests recommended in writing by adhesive and carpet tile manufacturers. Proceed with installation only after substrates pass testing.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104 and with carpet tile manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile.
- B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch wide or wider, and protrusions more than 1/32 inch unless more stringent requirements are required by manufacturer's written instructions.
- C. Concrete Substrates: Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by adhesive and carpet tile manufacturers.
- D. Broom and vacuum clean substrates to be covered immediately before installing carpet tile.

3.3 INSTALLATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104, Section 10, "Carpet Tile," and with carpet tile manufacturer's written installation instructions.
- B. Installation Method: As recommended in writing by carpet tile manufacturer.
- C. Maintain dye-lot integrity. Do not mix dye lots in same area.
- D. Maintain pile-direction patterns recommended in writing by carpet tile manufacturer.
- E. Cut and fit carpet tile to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet tile manufacturer.
- F. Extend carpet tile into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- G. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on carpet tile as marked on subfloor. Use nonpermanent, nonstaining marking device.
- H. Install pattern parallel to walls and borders.
- I. Access Flooring: Stagger joints of carpet tiles so carpet tile grid is offset from access flooring panel grid. Do not fill seams of access flooring panels with carpet adhesive; keep seams free of adhesive.

3.4 CLEANING AND PROTECTION

- A. Perform the following operations immediately after installing carpet tile:
 1. Remove excess adhesive and other surface blemishes using cleaner recommended by carpet tile manufacturer.
 2. Remove yarns that protrude from carpet tile surface.
 3. Vacuum carpet tile using commercial machine with face-beater element.
- B. Protect installed carpet tile to comply with the Carpet and Rug Institute's CRI 104, Section 13.7.
- C. Protect carpet tile against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet tile manufacturer.

END OF SECTION 096813

SECTION 123661.16 - SOLID SURFACING COUNTERTOPS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Solid surface material countertops.
2. Solid surface material backsplashes.

1.2 ACTION SUBMITTALS

A. Product Data: For countertop materials.

B. Shop Drawings: For countertops. Show materials, finishes, edge and backsplash profiles, methods of joining, and cutouts for plumbing fixtures.

1. Show locations and details of joints.
2. Show direction of directional pattern, if any.

C. Samples for Verification: For the following products:

1. Countertop material, 6 inches square.

1.3 INFORMATIONAL SUBMITTALS

A. Qualification Data: For fabricator.

1.4 CLOSEOUT SUBMITTALS

A. Maintenance Data: For solid surface material countertops to include in maintenance manuals. Include Product Data for care products used or recommended by Installer and names, addresses, and telephone numbers of local sources for products.

1.5 QUALITY ASSURANCE

A. Fabricator Qualifications: Shop that employs skilled workers who custom-fabricate countertops similar to that required for this Project, and whose products have a record of successful in-service performance.

B. Installer Qualifications: Fabricator of countertops.

1.6 FIELD CONDITIONS

- A. Field Measurements: Verify dimensions of countertops by field measurements after base cabinets are installed but before countertop fabrication is complete.

1.7 COORDINATION

- A. Coordinate locations of utilities that will penetrate countertops or backsplashes.

PART 2 - PRODUCTS

2.1 SOLID SURFACE COUNTERTOP MATERIALS

- A. Solid Surface Material: Homogeneous-filled plastic resin complying with ISFA 2-01.
- B. Basis-of-Design as follows: Subject to compliance with requirements, provide either product indicated on drawings or comparable product by another manufacturer. Products from other manufacturers must be pre-approved prior to bid date and should be delivered to GSBS for Architect and Owner review. Submitted products will be evaluated for approval based on comparable construction makeup, as well as design aesthetic.
 - 1. Type: Provide Standard type unless Special Purpose type is indicated.
 - 2. Colors and Patterns: As indicated in architectural drawings.
- C. Particleboard: ANSI A208.1, Grade M-2-Exterior Glue.
- D. Plywood: Exterior softwood plywood complying with DOC PS 1, Grade C-C Plugged, touch sanded.

2.2 FABRICATION

- A. Fabricate countertops according to solid surface material manufacturer's written instructions and to the AWI/AWMAC/WI's "Architectural Woodwork Standards."
 - 1. Grade: Custom.
- B. Configuration:
 - 1. Front: Straight, slightly eased at top.
 - 2. Backsplash: Straight, slightly eased at corner.
 - 3. End Splash: None.
- C. Countertops:
 - 1. 3/4-inch- thick, solid surface material with front edge built up with same material.

- D. Backsplashes: 1/2-inch- thick, solid surface material.
- E. Fabricate tops with shop-applied edges and backsplashes unless otherwise indicated. Comply with solid surface material manufacturer's written instructions for adhesives, sealers, fabrication, and finishing.
 - 1. Fabricate with loose backsplashes for field assembly.
 - 2. Install integral sink bowls in countertops in the shop.
- F. Joints:
 - 1. Fabricate countertops without joints.
 - 2. Fabricate countertops in sections for joining in field.
 - a. Joint Locations: Not within 18 inches of a sink or cooktop and not where a countertop section less than 36 inches long would result, unless unavoidable.
 - b. Splined Joints: Accurately cut kerfs in edges at joints for insertion of metal splines to maintain alignment of surfaces at joints. Make width of cuts slightly more than thickness of splines to provide snug fit. Provide at least three splines in each joint.
- G. Cutouts and Holes:
 - 1. Undercounter Plumbing Fixtures: Make cutouts for fixtures in shop using template or pattern furnished by fixture manufacturer. Form cutouts to smooth, even curves.
 - a. Provide vertical edges, slightly eased at juncture of cutout edges with top and bottom surfaces of countertop and projecting 3/16 inch into fixture opening.
 - b. Provide vertical edges, rounded to 3/8-inch radius at juncture of cutout edges with top surface of countertop, slightly eased at bottom, and projecting 3/16 inch into fixture opening.
 - c. Provide 3/4-inch full bullnose edges projecting 3/8 inch into fixture opening.
 - 2. Fittings: Drill countertops in shop for plumbing fittings, undercounter soap dispensers, and similar items.

2.3 INSTALLATION MATERIALS

- A. Adhesive: Product recommended by solid surface material manufacturer.
- B. Sealant for Countertops: Comply with applicable requirements in Section 079200 "Joint Sealants."

PART 3 - EXECUTION

3.1 EXAMINATION

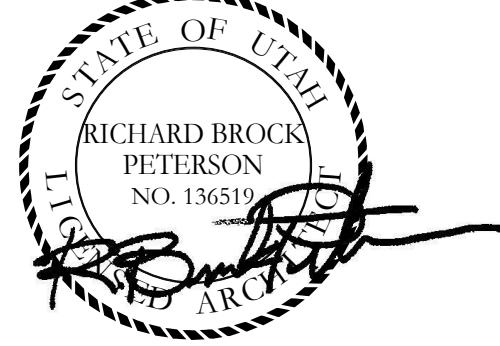
- A. Examine substrates to receive solid surface material countertops and conditions under which countertops will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of countertops.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install countertops level to a tolerance of 1/8 inch in 8 feet, 1/4 inch maximum. Do not exceed 1/64-inch difference between planes of adjacent units.
- B. Fasten countertops by screwing through corner blocks of base units into underside of countertop. Predrill holes for screws as recommended by manufacturer. Align adjacent surfaces and, using adhesive in color to match countertop, form seams to comply with manufacturer's written instructions. Carefully dress joints smooth, remove surface scratches, and clean entire surface.
- C. Fasten subtops to cabinets by screwing through subtops into cornerblocks of base cabinets. Shim as needed to align subtops in a level plane.
- D. Secure countertops to subtops with adhesive according to solid surface material manufacturer's written instructions. Align adjacent surfaces and, using adhesive in color to match countertop, form seams to comply with manufacturer's written instructions. Carefully dress joints smooth, remove surface scratches, and clean entire surface.
- E. Bond joints with adhesive and draw tight as countertops are set. Mask areas of countertops adjacent to joints to prevent adhesive smears.
 1. Install metal splines in kerfs in countertop edges at joints. Fill kerfs with adhesive before inserting splines and remove excess immediately after adjoining units are drawn into position.
 2. Clamp units to temporary bracing, supports, or each other to ensure that countertops are properly aligned and joints are of specified width.
- F. Install backsplashes and end splashes by adhering to wall and countertops with adhesive. Mask areas of countertops and splashes adjacent to joints to prevent adhesive smears.
- G. Install aprons to backing and countertops with adhesive. Mask areas of countertops and splashes adjacent to joints to prevent adhesive smears. Fasten by screwing through backing. Predrill holes for screws as recommended by manufacturer.

- H. Complete cutouts not finished in shop. Mask areas of countertops adjacent to cutouts to prevent damage while cutting. Make cutouts to accurately fit items to be installed, and at right angles to finished surfaces unless beveling is required for clearance. Ease edges slightly to prevent snipping.
 - 1. Seal edges of cutouts in particleboard subtops by saturating with varnish.
- I. Apply sealant to gaps at walls; comply with Section 079200 "Joint Sealants."

END OF SECTION 123661.16



VICINITY MAP



DRAWING INDEX

DRAWING INDEX	
SHEET NUMBER	SHEET NAME
GENERAL	
G000	COVER SHEET
G001	DRAWING INDEX, SYMBOLS AND ABBREVIATIONS
G100	GENERAL NOTES
G120	CODE DATA
4	
ARCHITECTURAL	
AD101	DEMOLITION FLOOR PLAN
AE101	FLOOR PLAN & REFLECTED CEILING PLAN
AE102	INTERIOR ELEVATIONS
AE601	DOOR & WINDOW SCHEDULE & ELEVATIONS
AE841	INTERIOR DETAILS
5	
STRUCTURAL	
SE001	PLANS AND DETAILS
1	
MECHANICAL	
M000	General Notes & Legends
M201	Mechanical Plan
M501	Mechanical Details
3	
PLUMBING	
P201	Plumbing Plan
P000	Plumbing Notes & Legends
2	
ELECTRICAL	
ED101	LEVEL 1 - DEMOLITION PLAN
EG001	GENERAL NOTES & SYMBOLS LISTS
EG002	ELECTRICAL DETAILS
EC003	ELECTRICAL SCHEDULES
EL101	LEVEL 1 - LIGHTING PLAN
EL201	LIGHTING PHOTOMETRY PLAN
EP101	LEVEL 1 - POWER AND SYSTEMS PLAN
7	

ABBREVIATIONS

ABV	ABOVE	DWGS	DRAWINGS	HR	HOUR	PLAM	PLASTIC LAMINATE	V.I.F.	VERIFY IN FIELD
A.F.F.	ABOVE FINISH FLOOR	EA	EACH	HYD	HYDRANT	PL	PLATE	VERT	VERTICAL
ADJ	ADJUSTABLE	EL	ELEVATION	IN	INCHES OR INCH	PCF	POUNDS PER CUBIC FOOT	VEST	VESTIBULE
ALUM	ALUMINUM	ELEV	ELEVATION	INFO	INFORMATION	PLF	POUNDS PER LINEAL FOOT	W/	WITH
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	EQ	EQUAL	INSUL	INSULATION	PSF	POUNDS PER SQUARE FOOT	W/O	WITHOUT
AB	ANCHOR BOLT	EXIST	EXISTING	INT	INTERIOR	PSI	POUNDS PER SQUARE INCH	WD	WOOD
<	ANGLE	EXP	EXPANSION	LAV	LAVATORY	QTY	QUANTITY		
APPROX	APPROXIMATE	E.J.	EXPANSION JOINT	LT WT	LIGHT WEIGHT	RAD	RADIUS		
ARCH	ARCHITECTURAL OR ARCHITECT	EXT	EXTERIOR	MAINT	MAINTENANCE	RCP	REFLECTED CEILING PLAN		
@	AT	FT	FEET OR FOOT	MFR	MANUFACTURER	REINF	REINFORCED		
B.P.	BASE PLATE	FIN	FINISH	M.O.	MASONRY OPENING	REQ	REQUIRED		
BRG	BEARING	F.F.	FINISH FLOOR	MAX	MAXIMUM	R.D.	ROOF DRAIN		
BTWN	BETWEEN	F.E.	FIRE EXTINGUISHER	MECH	MECHANICAL	R.M.	ROOM		
BITUM	BITUMINOUS	F.E.C.	FIRE EXTINGUISHER CABINET	MTL	METAL	R.O.	ROUGH OPENING		
BD	BOARD	FLR	FLOOR	MIN	MINIMUM	SCHED	SCHEDULE		
B.O.	BOTTOM OF	FD	FLOOR DRAIN	MISC	MISCELLANEOUS	SHT	SHEET		
BLDG	BUILDING	FTG	FOOTING	N.I.C.	NOT IN CONTRACT	SIM	SIMILAR		
CLG	CEILING	FDN	FOUNDATION	N.T.S.	NOT TO SCALE	STC	SOUND TRANSMISSION COEFFICIENT		
CL	CENTER LINE	GA	GAGE/GAUGE	#	NUMBER	SPEC	SPECIFICATION		
CLR	CLEAR	GAL	GALLON	NO.	NUMBER	STD	STANDARD		
COL	COLUMN	GPM	GALLONS PER MINUTE	O.C.	ON CENTER	STRUCT	STRUCTURAL		
CONC	CONCRETE	GALV	GALVANIZED	OPP	OPPOSITE	SUSP	SUSPENDED		
CMU	CONCRETE MASONRY UNIT	GND	GROUND	O.D.	OUTSIDE DIAMETER	THRU	THROUGH		
CONST	CONSTRUCTION	GYP BD	GYPSUM BOARD	O.H.	OVERHEAD	T.O.	TOP OF		
CONT	CONTINUOUS	GWB	GYPSUM WALL BOARD	OH DR	OVERHEAD DOOR	T.O.A.	TOP OF ASPHALT		
C.J.	CONTROL JOINT	HW	hardware	O.F.C.I.	OWNER FURNISHED CONTRACTOR	T.O.C.	TOP OF CURB		
COORD	COORDINATE	HVAC	HEATING/VENTILATION/AIR CONDITIONING	INSTALLED	INSTALLED	T.O.F.	TOP OF FOOTING		
DEPT	DEPARTMENT	HT	HEIGHT	O.F.O.I.	OWNER FURNISHED OWNER	T.O.S.	TOP OF SLAB OR SIDEWALK		
DTL	DETAIL	H.M.	HOLLOW METAL	INSTALLED	INSTALLED	T.O.W.	TOP OF WALL		
Ø	DIAMETER	HORIZ	HORIZONTAL	PNT	PAINTED OR PAINT	TYP	TYPICAL		
DIA	DIAMETER			PTN	PARTITION	U.N.O.	UNLESS NOTED OTHERWISE		
DBL	DOUBLE			PTN	PERPENDICULAR	VEN	VENeer		

NOTE:
ABBREVIATIONS FOR FINISHED MATERIALS ARE DESCRIBED IN THE FINISH LEGEND.

GRAPHIC SYMBOLS

	GRID LINES
	DETAIL SYMBOL, DETAIL NUMBER/ SHEET WHERE DETAIL IS DRAWN
	BUILDING SECTION SYMBOL, SECTION REFERENCE/ SHEET WHERE SECTION IS DRAWN
	WALL SECTION SYMBOL, SECTION REFERENCE/ SHEET WHERE SECTION IS DRAWN
	EXTERIOR ELEVATION SYMBOL, ELEVATION IDENTIFICATION SHEET WHERE ELEVATION IS DRAWN
	INTERIOR ELEVATION SYMBOL, ELEVATION IDENTIFICATION SHEET WHERE ELEVATION IS DRAWN
	ELEVATION CONTROL POINT OR DATUM POINT
100A	DOOR TAG, DOOR NUMBER
W1	WINDOW TAG, WINDOW OR STOREFRONT NUMBER
NAME	ROOM TAG, ROOM NAME, ROOM NUMBER
101	REVISION TAG
	VIEW NAME, VIEW NUMBER/ SHEET WHERE VIEW IS LOCATED, VIEW NAME/VIEW SCALE

MATERIALS/LEGEND

	CONCRETE MASONRY UNIT
	FACE BRICK
	CONCRETE (POURED IN PLACE)
	GYPSUM BOARD OR SETTING BEDS
	INSULATION (BATT & BLANKET)
	INSULATION (RIGID/SEMI-RIGID)
	PLYWOOD
	CONTINUOUS ROUGH WOOD
	BLOCKING, ROUGH WOOD
	METAL (LARGE SCALE)
	GRAVEL
	EARTH
	COMPACTED FILL
	QUARRY/CERAMIC TILE
	FIREPROOFING
	WOOD

CONSTRUCTION DOCUMENTS

OGDEN
COMMUNITY
SERVICES BLDG
REMODEL

133 W 29th Street, Ogden, UT 84401

OWNER PROJECT NO.:
GSBS PROJECT NO.: 2023.04.00
ISSUED DATE: 07/21/2025

DRAWING INDEX, SYMBOLS
AND ABBREVIATIONS



METAL STUD DEFLECTION CHART

VV	STC	UL#	DESCRIPTION	RATING	PLAN
NON-RATED METAL STUD WALLS					
			16" STUD SPACING (L/360, 5psf) 3 5/8" STUD (1 5/8" FLANGE) 33 mils 15'-4" High (Max.)		
			45 mils 16'-8" High (Max.)		
			54 mils 17'-10" High (Max.)		
			6" STUD (1 5/8" FLANGE) 33 mils 22'-9" High (Max.)		
			45 mils 24'-9" High (Max.)		
			12" STUD SPACING (L/360, 5psf) 8" STUD (2 1/2" FLANGE) 45 mils 37'-5" High (Max.)		
			54 mils 26'-6" High (Max.)		
			54 mils 40'-3" High (Max.)		
			68 mils 39'-3" High (Max.)		
			68 mils 43'-3" High (Max.)		
WALL TYPES NOTES					
1.	UNLESS NOTED OTHERWISE, DIMENSIONS LOCATING WALLS INDICATE CENTERS OF METAL STUD WALLS. FACE OF STUD AT WOOD STUD WALLS AND TO PLACE OF CONCRETE RETAINING WALLS.				
2.	UNLESS NOTED OTHERWISE, SPECIFIED WALL TYPE TO CONTINUE AT DOOR AND WINDOW OPENINGS (TOP AND BOTTOM).				
3.	IN ADDITION TO THE REQUIREMENTS OF DIVISION 01 OF THE SPECIFICATION, PROVIDE WALL TYPE D3B IF NO OTHER WALL TYPE HAS BEEN INDICATED.				
4.	ALL STUDS DIMENSION TO FINISHED SURFACE INDICATED, INCLUSIVE OF ALL MATERIALS UTILIZED IN THE RELEVANT ASSEMBLY.				
5.	FOR WALL TYPES WITH AN "H" DESIGNATION, PROVIDE MANUFACTURER'S RECOMMENDED STRAPPING AT NO LESS THAN 4'-0" O.C. VERTICALLY, WHEN THE WALL IS NOT DIRECTLY ATTACHED TO A SUPPORTING WALL SURFACE.				
6.	IF METAL AND/OR WOOD STUDS ARE PROVIDED AS FURRING, INSTALL ALL CONCEALED ELEMENTS IN THE METAL AND/OR WOOD FRAMED ASSEMBLY.				
7.	PROVIDE FIRE RETARDANT TREATED PLYWOOD BACKING ON ALL WALLS INDICATED TO RECEIVE WALL MOUNTED EQUIPMENT IN ELECTRICAL, DATA, IDP/MDP ROOMS.				
8.	PROVIDE 1/4" THERMAL JAMB WITH VERTICAL AND/OR WOOD STUD WALLS SHALL BE LOCATED 1/4" CLEAR FROM ADJACENT WALL.				
9.	PROVIDE SUITABLE BLOCKING IN METAL AND/OR WOOD FRAMED WALLS AND CEILINGS AS REQUIRED FOR INSTALLATION OF MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND SPECIALTIES.				
10.	WHERE METAL AND/OR WOOD STUDS ARE INSTALLED DIRECTLY AGAINST CONCRETE MASONRY WALLS, EXTERIOR CONCRETE WALLS OR DISSIMILAR METALS AT EXTERIOR WALLS, INSTALL ISOLATION STRIP BETWEEN STUDS AND EXTERIOR WALL.				
11.	PROVIDE GLASS-MAT WATER RESISTANT GYPSUM BOARD AT ALL LOCATIONS INDICATED TO RECEIVE TILE. INSTALL WITH 1/4 INCH GAP WHERE PANELS ABUT OTHER CONSTRUCTION OR PENETRATIONS. WHERE THE EXISTING PANELS ABUT OTHER TYPES OF PANELS IN SAME PLANE, SHIM SURFACES TO PRODUCE A UNIFORM PLANE ACROSS PANEL SURFACES.				
12.	UNLESS NOTED OTHERWISE, PROVIDE LEVEL 4 FINISH AT GYPSUM BOARD PANEL SURFACES THAT WILL BE EXPOSED TO VIEW.				

WALL TYPES SCHEDULE

VV	STC	UL#	DESCRIPTION	RATING	PLAN
NON-RATED METAL STUD WALLS					
D3B	45		3 5/8" METAL STUDS @ 16" O.C. W/ 5/8" GYPSUM BOARD, EACH SIDE EXTEND GYP. BOARD 2" FLICK ABOVE, FILL CAVITY W/ 3 1/2" FIBERGLASS SOUND ATTENUATION BLANKET		
D3CI	55		SEE COMMENT # 1: 3 5/8" METAL STUDS @ 16" O.C. W/ (2) LAYERS 5/8" GYPSUM BOARD, EACH SIDE EXTEND GYP. BOARD 2" FLICK ABOVE, FILL CAVITY W/ 3 1/2" FIBERGLASS SOUND ATTENUATION BLANKET		
D3Si	35		3 5/8" METAL STUDS @ 16" O.C. W/ 5/8" GYPSUM BOARD OVER 8'-0" HIGH BALLISTIC PANEL ONE SIDE AND (1) LAYER 5/8" GYPSUM BOARD, EACH SIDE EXTEND GYP. BOARD 2" FLICK ABOVE, FILL CAVITY W/ 6" FIBERGLASS SOUND ATTENUATION BLANKET		
D6B	45		6" METAL STUDS @ 16" O.C. W/ 5/8" GYPSUM BOARD, EACH SIDE EXTEND GYP. BOARD 2" FLICK ABOVE, FILL CAVITY W/ 6" FIBERGLASS SOUND ATTENUATION BLANKET		
H3B			3 5/8" METAL STUDS @ 16" O.C. W/ 5/8" GYPSUM BOARD, ONE SIDE ONLY. EXTEND GYP. BD. TO DECK ABOVE		

WALL TYPES NOTES

1. UNLESS NOTED OTHERWISE, DIMENSIONS LOCATING WALLS INDICATE CENTERS OF METAL STUD WALLS. FACE OF STUD AT WOOD STUD WALLS AND TO PLACE OF CONCRETE RETAINING WALLS.
2. UNLESS NOTED OTHERWISE, SPECIFIED WALL TYPE TO CONTINUE AT DOOR AND WINDOW OPENINGS (TOP AND BOTTOM).
3. IN ADDITION TO THE REQUIREMENTS OF DIVISION 01 OF THE SPECIFICATION, PROVIDE WALL TYPE **D3B** IF NO OTHER WALL TYPE HAS BEEN INDICATED.
4. ALL STUDS DIMENSION TO FINISHED SURFACE INDICATED, INCLUSIVE OF ALL MATERIALS UTILIZED IN THE RELEVANT ASSEMBLY.
5. FOR WALL TYPES WITH AN "H" DESIGNATION, PROVIDE MANUFACTURER'S RECOMMENDED STRAPPING AT NO LESS THAN 4'-0" O.C. VERTICALLY, WHEN THE WALL IS NOT DIRECTLY ATTACHED TO A SUPPORTING WALL SURFACE.
6. IF METAL AND/OR WOOD STUDS ARE PROVIDED AS FURRING, INSTALL ALL CONCEALED ELEMENTS IN THE METAL AND/OR WOOD FRAMED ASSEMBLY.
7. PROVIDE FIRE RETARDANT TREATED PLYWOOD BACKING ON ALL WALLS INDICATED TO RECEIVE WALL MOUNTED EQUIPMENT IN ELECTRICAL, DATA, IDP/MDP ROOMS.
8. PROVIDE 1/4" THERMAL JAMB WITH VERTICAL AND/OR WOOD STUD WALLS SHALL BE LOCATED 1/4" CLEAR FROM ADJACENT WALL.
9. PROVIDE SUITABLE BLOCKING IN METAL AND/OR WOOD FRAMED WALLS AND CEILINGS AS REQUIRED FOR INSTALLATION OF MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND SPECIALTIES.
10. WHERE METAL AND/OR WOOD STUDS ARE INSTALLED DIRECTLY AGAINST CONCRETE MASONRY WALLS, EXTERIOR CONCRETE WALLS OR DISSIMILAR METALS AT EXTERIOR WALLS, INSTALL ISOLATION STRIP BETWEEN STUDS AND EXTERIOR WALL.
11. PROVIDE GLASS-MAT WATER RESISTANT GYPSUM BOARD AT ALL LOCATIONS INDICATED TO RECEIVE TILE. INSTALL WITH 1/4 INCH GAP WHERE PANELS ABUT OTHER CONSTRUCTION OR PENETRATIONS. WHERE THE EXISTING PANELS ABUT OTHER TYPES OF PANELS IN SAME PLANE, SHIM SURFACES TO PRODUCE A UNIFORM PLANE ACROSS PANEL SURFACES.
12. UNLESS NOTED OTHERWISE, PROVIDE LEVEL 4 FINISH AT GYPSUM BOARD PANEL SURFACES THAT WILL BE EXPOSED TO VIEW.

METAL STUD FURRING

VV	STC	UL#	DESCRIPTION	RATING	PLAN
H3B			3 5/8" METAL STUDS @ 16" O.C. W/ 5/8" GYPSUM BOARD, ONE SIDE ONLY. EXTEND GYP. BD. TO DECK ABOVE		

BALLISTIC FIBERGLASS WALL PANEL AND GLAZING TO BE AMORTEX LEVEL 3 (OR EQUAL)

1

NOTE: ALL AREAS WITH EXISTING CARPET TO RECEIVE NEW CARPET U.N.O.

1

BALISTIC FIBERGLASS WALL PANEL AND GLAZING TO BE AMORTEX LEVEL 3 (OR EQUAL)

1

NOTE: ALL AREAS WITH EXISTING CARPET TO RECEIVE NEW CARPET U.N.O.

1

BALISTIC FIBERGLASS WALL PANEL AND GLAZING TO BE AMORTEX LEVEL 3 (OR EQUAL)

1

NOTE: ALL AREAS WITH EXISTING CARPET TO RECEIVE NEW CARPET U.N.O.

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BALISTIC FIBERGLASS WALL PANEL AND GLAZING TO BE AMORTEX LEVEL 3 (OR EQUAL)

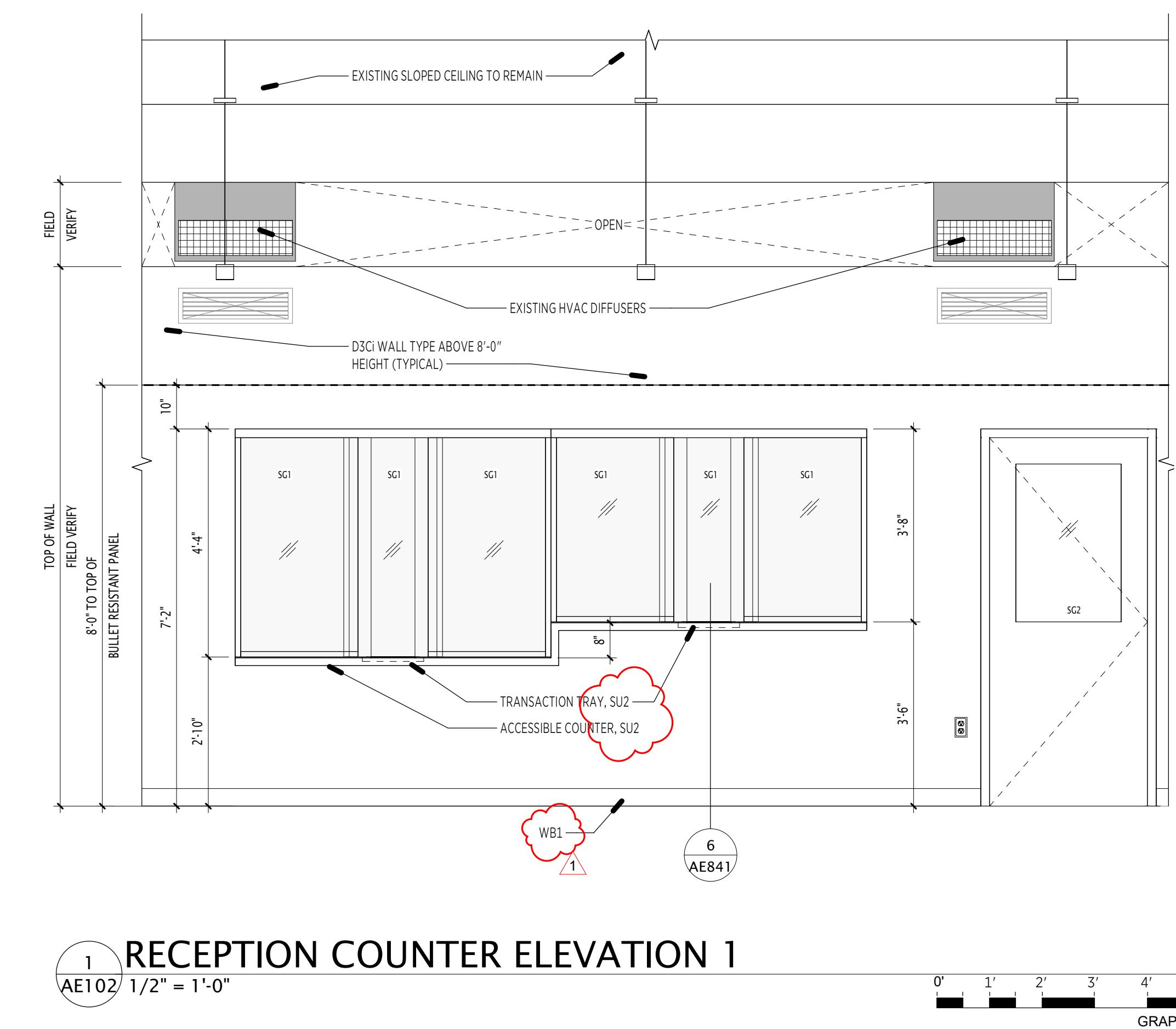
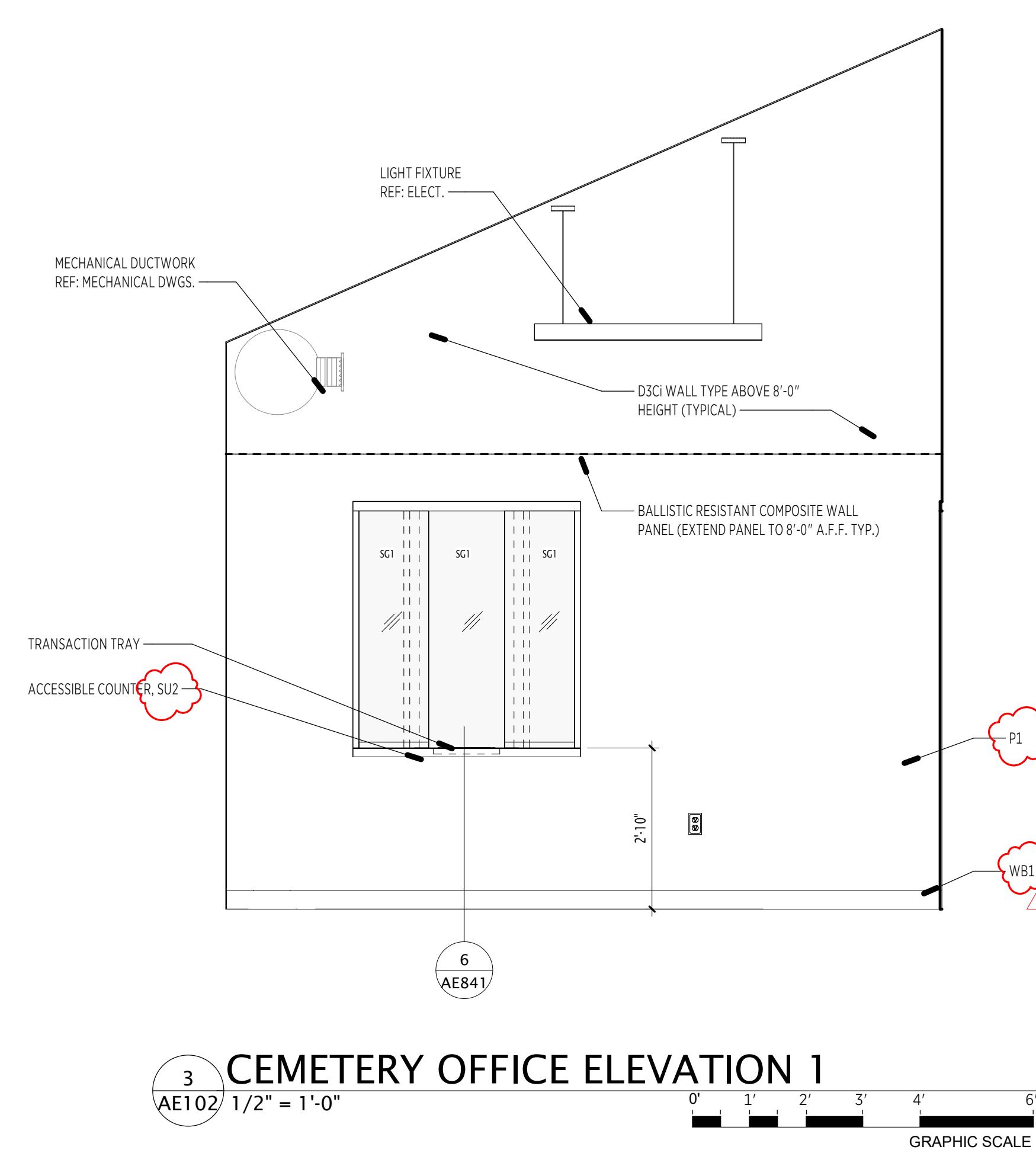
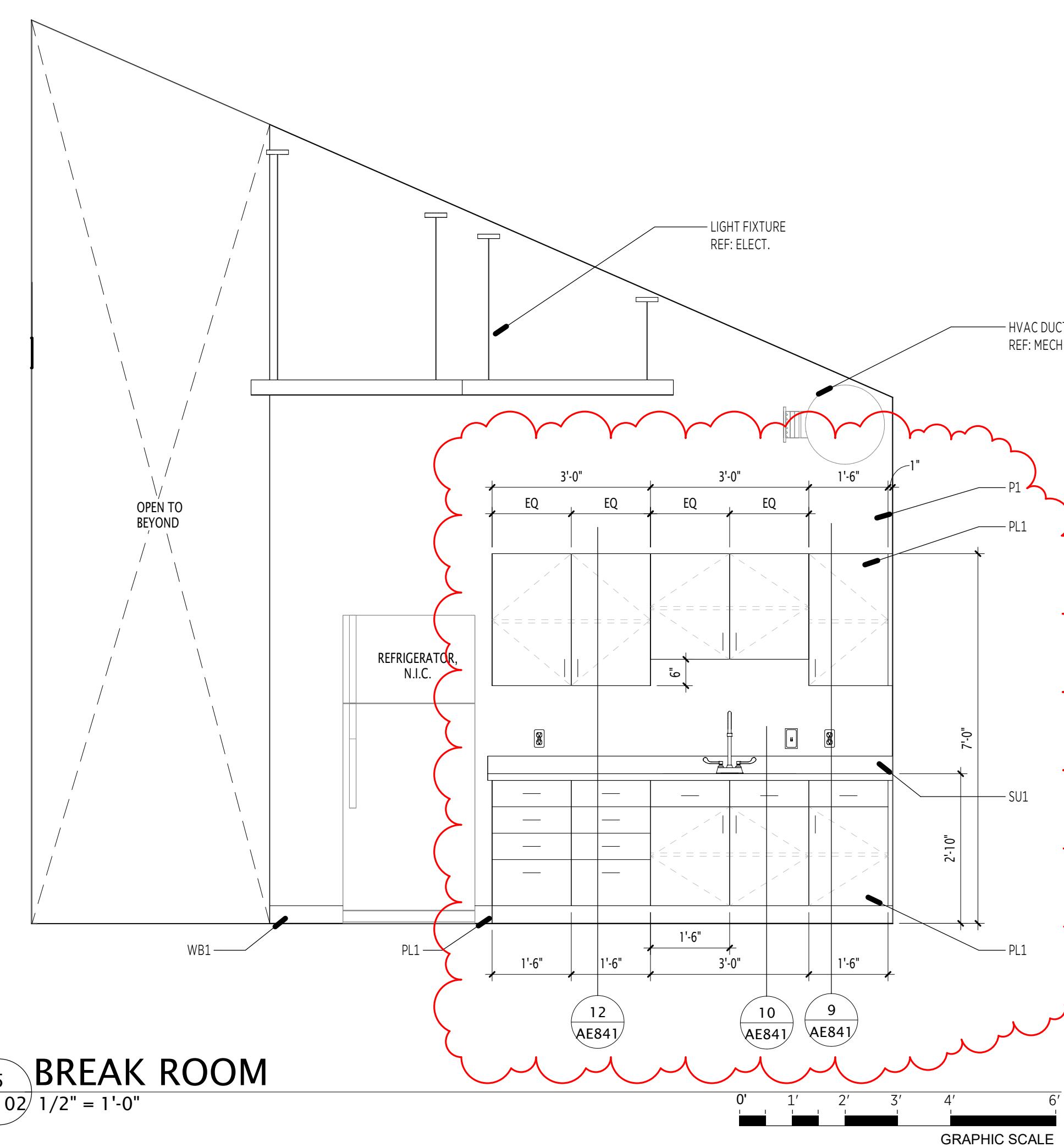
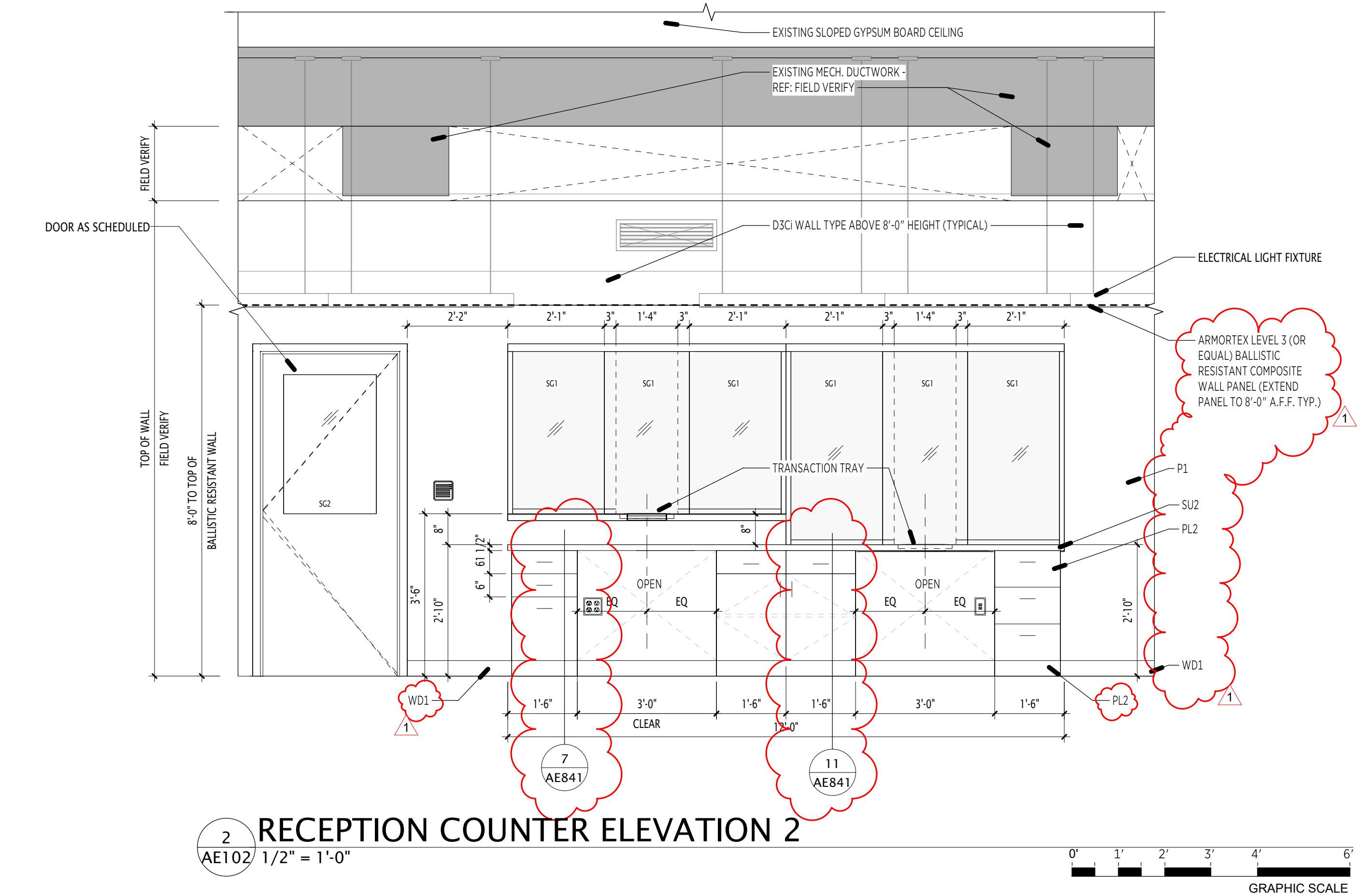
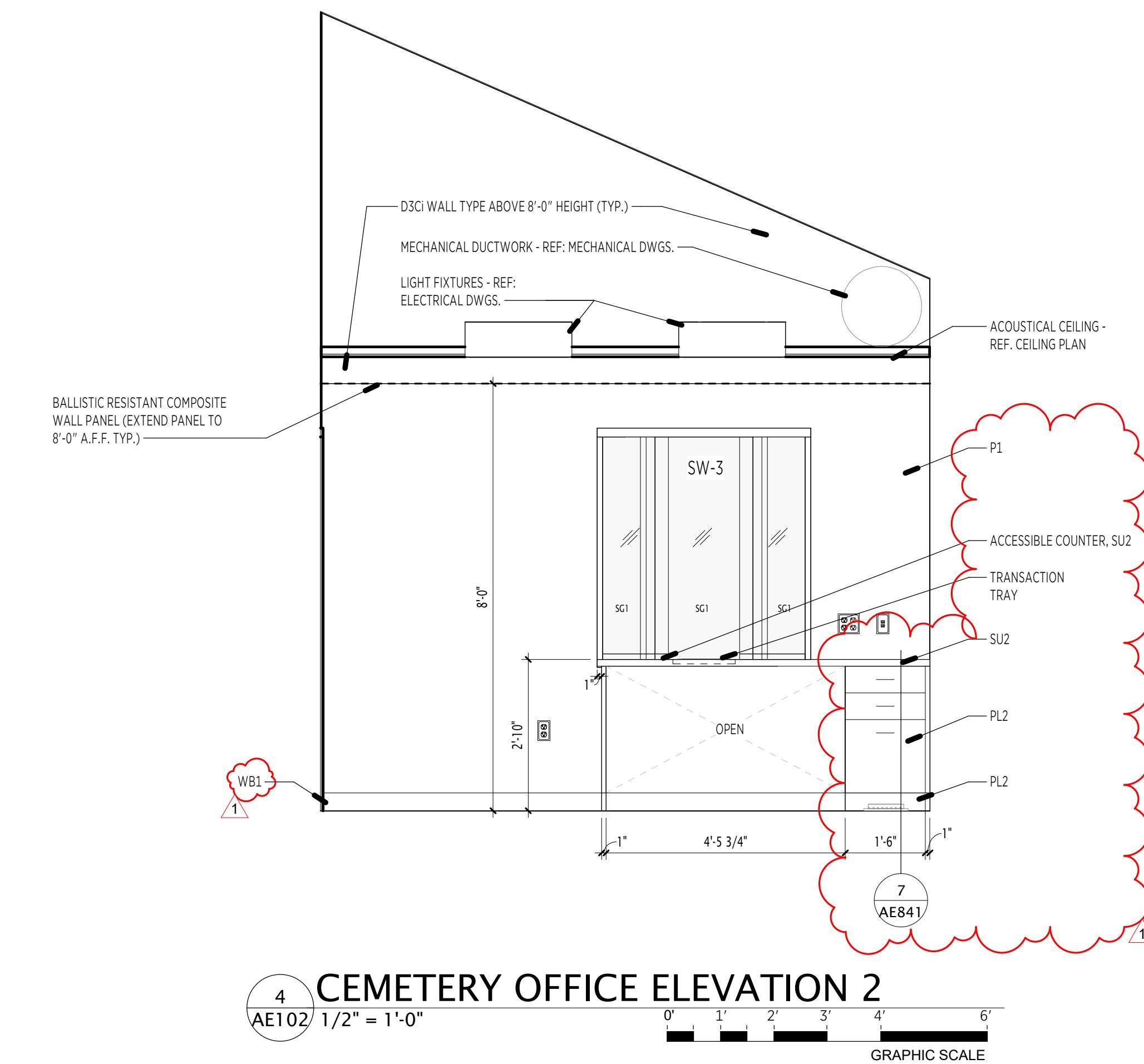
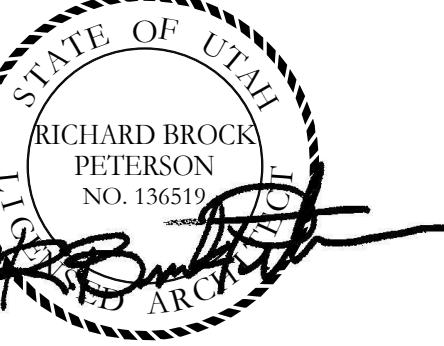
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NOTE: ALL AREAS WITH EXISTING CARPET TO RECEIVE NEW CARPET U.N.O.

GLAZING LEGEND

SG1 - LEVEL 3 SECURITY GLAZING
SG2 - GLAZING TO MATCH EXISTING BUILDING GLAZING
SG3 - EXISTING GLAZING TO REMAIN

REVISIONS:
1 08/15/2025 | Addendum No. 2



CONSTRUCTION DOCUMENTS
OGDEN
COMMUNITY
SERVICES BLDG
REMODEL

1875 Monroe Blvd, Ogden UT 84401

OGDEN CITY

133 W 29th Street, Ogden, UT 84401

OWNER PROJECT NO.:
GSBS PROJECT NO.:
ISSUED DATE: 07/21/2025

INTERIOR ELEVATIONS

