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1.02 REFERENCE STANDARDS

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2015a.
- B. AIA/AIAWAC/WI (AWS) - Architectural Woodwork Standards; 2014.
- C. AIAWAC/WI (NAAWS) - North American Architectural Woodwork Standards, U.S. Version 3.1; 2016, with Errata (2017).

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the work with plumbing rough-in, electrical rough-in, installation of associated and adjacent components, and A/V equipment.
- B. Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
 - 1. Minimum Scale of Detail Drawings: 3/4" = 1'-0"
 - 2. Provide information as required by AIA/AIAWAC/WI (AWS) or AIAWAC/WI (NAAWS).
- C. Samples: Submit two samples of wood trim 8 inch long.

1.05 MOCK-UPS

- A. Provide wall base mock-up, full size, illustrating finish and construction.
- B. Mock-up may remain as part of the work.

PART 2 PRODUCTS

2.01 FINISH CARPENTRY ITEMS

- A. Quality Grade: Unless otherwise indicated provide products of quality specified by AIA/AIAWAC/WI (AWS) for Premium Grade.
- B. Surface Burning Characteristics: Provide materials having fire and smoke properties as required by applicable code.
- C. Interior Woodwork Items:
 - 1. Wall Base: Type and profile matching existing wood wall base

2.02 SUSTAINABILITY CHARACTERISTICS

- A. Provide sustainably harvested wood, certified or labeled; see Section 016000.

2.03 FASTENINGS

- A. Adhesive for factory-fabricated units: Manufacturer's recommended adhesive for application.
- B. Fasteners: Of size and type to suit application; galvanized finish in concealed locations and stainless steel finish in exposed locations.
- C. Concealed Joint Fasteners: Threaded steel.

2.04 WOOD TREATMENT

- A. Fire Retardant Treatment (FR-S Type): Chemically treated and pressure impregnated; capable of providing flame spread index of 25, maximum, and smoke developed index of 450, maximum, when tested in accordance with ASTM E84.
- B. Provide identification on fire retardant treated material.

2.05 FABRICATION

- A. Shop assemble work for delivery to site, permitting passage through building openings.
- B. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.

2.06 SHOP FINISHING

- A. Sand work smooth and set exposed nails and screws.
- B. Apply wood filler in exposed nail and screw indentations.
- C. On items to receive transparent finishes, use wood filler that matches surrounding surfaces and is of type recommended for the applicable finish.
- D. Finish work in accordance with AIA/AIAWAC/WI (AWS) or AIAWAC/WI (NAAWS), Section 5 - Finishing for grade specified and as follows:
 - 1. Transparent:
 - a. System - 12, Polyurethane, Water-based.
 - b. Sheen: Match existing.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify adequacy of backing and support framing.
- B. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.

3.02 INSTALLATION

- A. Install custom fabrications in accordance with AIA/AIAWAC/WI (AWS) or AIAWAC/WI (NAAWS) requirements for grade indicated.
- B. Set and secure materials and components in place, plumb and level.
- C. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim to conceal larger gaps.

3.03 PREPARATION FOR SITE FINISHING

- A. Set exposed fasteners. Apply wood filler in exposed fastener indentations. Sand work smooth.
- B. Before installation, prime paint surfaces of items or assemblies to be in contact with cementitious materials.

3.04 TOLERANCES

- A. Maximum Variation from True Position: 1/16 inch.
- B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch.

END OF SECTION

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

SECTION 079200

JOINT SEALANTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Nonsag gunnable joint sealants.
- B. Joint backings and accessories.

1.02 REFERENCE STANDARDS

- A. ASTM C794 - Standard Test Method for Adhesion-In-Peel of Elastomeric Joint Sealants; 2015.
- B. ASTM C834 - Standard Specification for Latex Sealants; 2014.
- C. ASTM C919 - Standard Practice for Use of Sealants in Acoustical Applications; 2012.
- D. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2014.
- E. ASTM C1087 - Standard Test Method for Determining Compatibility of Liquid-Applied Sealants with Accessories Used in Structural Glazing Systems; 2000 (Reapproved 2011).
- F. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2013.
- G. ASTM C1521 - Standard Practice for Evaluating Adhesion of Installed Weatherproofing Sealant Joints; 2013.
- H. SCAQMD 1168 - South Coast Air Quality Management District Rule No.1168, current edition.

1.03 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data for Sealants: Submit manufacturer's technical data sheets for each product to be used, that includes the following:
 - 1. Physical characteristics, including movement capability, VOC content, hardness, cure time, and color availability.
 - 2. List of backing materials approved for use with the specific product.
 - 3. Substrates that product is known to satisfactorily adhere to and with which it is compatible.
 - 4. Substrates the product should not be used on.
- C. Product Data for Accessory Products: Submit manufacturer's technical data sheet for each product to be used, including physical characteristics, installation instructions, and recommended tools.
- D. Color Cards for Selection: Where sealant color is not specified, submit manufacturer's color cards showing standard colors available for selection.
- E. Sustainable Design Documentation: For sealants and primers, submit VOC content and emissions documentation as specified in Section 016116.
- F. Preconstruction Laboratory Test Reports: Submit at least four weeks prior to start of installation.
- G. Field Quality Control Plan: Submit at least two weeks prior to start of installation.
- H. Field Quality Control Log: Submit filled out log for each length or instance of sealant installed, within 10 days after completion of inspections/tests; include bagged test samples and photographic records, if any.

1.04 QUALITY ASSURANCE

- A. Maintain one copy of each referenced document covering installation requirements on site.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

- C. Installer Qualifications: Company specializing in performing the work of this section and with at least three years of documented experience.
- D. Testing Agency Qualifications: Independent firm specializing in performing testing and inspections of the type specified in this section.
- E. Preconstruction Laboratory Testing: Arrange for sealant manufacturer(s) to test each combination of sealant, substrate, backing, and accessories.
 - 1. Adhesion Testing: In accordance with ASTM C794.
 - 2. Compatibility Testing: In accordance with ASTM C1087.
 - 3. Allow sufficient time for testing to avoid delaying the work.
 - 4. Deliver to manufacturer sufficient samples for testing.
 - 5. Report manufacturer's recommended corrective measures, if any, including primers or techniques not indicated in product data submittals.
 - 6. Testing is not required if sealant manufacturer provides data showing previous testing, not older than 24 months, that shows satisfactory adhesion, lack of staining, and compatibility.
- F. Field Quality Control Plan:
 - 1. Inspection and testing to be performed by the manufacturer's representative.
 - 2. Visual inspection of entire length of sealant joints.
 - 3. Non-destructive field adhesion testing of sealant joints.
 - a. For each different sealant and substrate combination, allow for one test every 12 inches in the first 10 linear feet of joint and one test every 24 inches thereafter.
 - b. If any failures occur in the first 10 linear feet, continue testing at 12 inch intervals at no extra cost to Owner.
 - 4. Field Quality Control Log Form: Show same data fields as on Preinstallation Field Adhesion Test Log, with known information filled out and lines for multiple tests per sealant/substrate combinations; include visual inspection and specified field testing, allow for possibility that more tests than minimum specified may be necessary.
- G. Non-Destructive Field Adhesion Test: Test for adhesion in accordance with ASTM C1521, using Nondestructive Spot Method.
 - 1. Record results on Field Quality Control Log.
 - 2. Repair failed portions of joints.
- H. Field Adhesion Tests of Joints: Test for adhesion using most appropriate method in accordance with ASTM C1521, or other applicable method as recommended by manufacturer.

1.05 WARRANTY

- A. See Section 017800 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective work within a five year period after Date of Substantial Completion.
- C. Warranty: Include coverage for installed sealants and accessories that fail to achieve watertight seal , exhibit loss of adhesion or cohesion, or do not cure.

PART 2 PRODUCTS

2.01 JOINT SEALANT APPLICATIONS

- A. Scope:
 - 1. Interior joints: Do not seal interior joints unless specifically indicated to be sealed. Interior joints to be sealed include, but are not limited to, the following items.
 - a. Joints between door, window, and other frames and adjacent construction.
 - b. Between casework and wall.
 - c. Other joints indicated below.
 - 2. Do not seal the following types of joints.
 - a. Joints indicated to be treated with manufactured expansion joint cover or some other work of sealing device.
 - b. Joints where sealant is specified to be provided by manufacturer of product to be sealed.
 - c. Joints where installation of sealant is specified in another section.

2.02 JOINT SEALANTS - GENERAL

- A. Sealants and Primers: Provide products having lower volatile organic compound (VOC) content than indicated in SCAQMD 1168.
- B. Colors: As indicated on drawings.

2.03 ACCESSORIES

- A. Backer Rod: Cylindrical cellular foam rod with surface that sealant will not adhere to, compatible with specific sealant used, and recommended by backing and sealant manufacturers for specific application.
 - 1. Open Cell: 40 to 50 percent larger in diameter than joint width.
- B. Backing Tape: Self-adhesive polyethylene tape with surface that sealant will not adhere to and recommended by tape and sealant manufacturers for specific application.
- C. Masking Tape: Self-adhesive, nonabsorbent, non-staining, removable without adhesive residue, and compatible with surfaces adjacent to joints and sealants.
- D. Joint Cleaner: Non-corrosive and non-staining type, type recommended by sealant manufacturer; compatible with joint forming materials.
- E. Primers: Type recommended by sealant manufacturer to suit application; non-staining.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that joints are ready to receive work.
- B. Verify that backing materials are compatible with sealants.
- C. Verify that backer rods are of the correct size.

3.02 PREPARATION

- A. Remove loose materials and foreign matter that could impair adhesion of sealant.
- B. Clean joints, and prime as necessary, in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM C1193.
- D. Mask elements and surfaces adjacent to joints from damage and disfigurement due to sealant work; be aware that sealant drips and smears may not be completely removable.

3.03 INSTALLATION

- A. Perform work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Perform installation in accordance with ASTM C1193.
- C. Install bond breaker backing tape where backer rod cannot be used.
- D. Install sealant free of air pockets, foreign embedded matter, ridges, and sags, and without getting sealant on adjacent surfaces.
- E. Do not install sealant when ambient temperature is outside manufacturer's recommended temperature range, or will be outside that range during the entire curing period, unless manufacturer's approval is obtained and instructions are followed.
- F. Nonsag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after tooling sealant surface.

3.04 FIELD QUALITY CONTROL

- A. Perform field quality control inspection/testing as specified in PART 1 under QUALITY ASSURANCE article.
- B. Non-Destructive Adhesion Testing: If there are any failures in first 100 linear feet, notify Architect immediately.
- C. Remove and replace failed portions of sealants using same materials and procedures as indicated for original installation.

3.05 POST-OCCUPANCY

- A. Post-Occupancy Inspection: Perform visual inspection of entire length of project sealant joints at a time that joints have opened to their greatest width; i.e. at low temperature in thermal cycle. Report failures immediately and repair.

END OF SECTION

DIVISION 09 - FINISHES

SECTION 092116

GYPSON BOARD ASSEMBLIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Performance criteria for gypsum board assemblies.
- B. Metal stud wall framing.
- C. Metal channel ceiling framing.
- D. Acoustic insulation.
- E. Gypsum sheathing.
- F. Cementitious backing board.
- G. Gypsum wallboard.
- H. Joint treatment and accessories.

1.02 RELATED REQUIREMENTS

- A. Section 061000 - Rough Carpentry: Wood blocking product and execution requirements.
- B. Section 093000 - TILING: Tile backing board.

1.03 REFERENCE STANDARDS

- A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2014.

- B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvalume) by the Hot-Dip Process; 2015.
- C. ASTM A1033/A1033M - Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members; 2015.
- D. ASTM C475/C475M - Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board; 2015.
- E. ASTM C845 - Standard Specification for Nonstructural Steel Framing Members; 2014.
- F. ASTM C754 - Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products; 2015.
- G. ASTM C840 - Standard Specification for Application and Finishing of Gypsum Board; 2013.
- H. ASTM C954 - Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs From 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness; 2015.
- I. ASTM C1002 - Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs; 2022.
- J. ASTM C1047 - Standard Specification for Accessories For Gypsum Wallboard and Gypsum Veneer Base; 2014a.
- K. ASTM C1629/C1629M - Standard Classification for Abuse-Resistant Nondecorated Interior Gypsum Panel Products and Fiber-Reinforced Cement Panels, 2015.
- L. ASTM D3273 - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber; 2012.
- M. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2009.
- N. GA-216 - Application and Finishing of Gypsum Board; 2013.

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on metal framing, gypsum board, accessories, and joint finishing system.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing gypsum board installation and finishing, with minimum 5 years of experience.

PART 2 PRODUCTS

2.01 GYPSON BOARD ASSEMBLIES

- A. Provide completed assemblies complying with ASTM C840 and GA-216.
- B. Interior Partitions: Provide completed assemblies as indicated in construction documents.

2.02 METAL FRAMING MATERIALS

- A. See construction documents for note pertaining to light guage framing design.
- B. Manufacturers - Metal Framing, Connectors, and Accessories:
 - 1. Clarkwestern Dietrich Building Systems LLC: www.clarkdietrich.com.
 - 2. Marino: www.marinoware.com.
 - 3. Phillips Manufacturing Company: www.phillipsmfg.com.
 - 4. Substitutions: See Section 016000 - Product Requirements.

2.03 BOARD MATERIALS

- A. Manufacturers - Gypsum-Based Board:
 - 1. Basis of design: USG Corporation; Mold Tough VHI
 - a. Other Manufacturers:
 - 1) American Gypsum Company: www.americangypsum.com/#/sle.
 - 2) Georgia-Pacific Gypsum: www.gpgypsum.com/#/sle.
- B. Backing Board For Wet Areas: One of the following products:
 - 1. Application: Horizontal surfaces behind tile in wet areas including countertops and sinks.
 - 2. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.

2.04 ACCESSORIES

- A. Joint Accessories: ASTM C1047, rigid plastic, galvanized steel, or rolled zinc, unless noted otherwise.
 - 1. J-Trim: Sized to fit 5/8" thick gypsum wallboard.
 - 2. L-Trim with Tear-Away Strip: Sized to fit 5/8 inch thick gypsum wallboard.
- B. Joint Materials: ASTM C475/C475M and as recommended by gypsum board manufacturer for project conditions.
- C. Screws for Fastening of Gypsum Panel Products to Cold-Formed Steel Studs Less than 0.033 inch in Thickness and Wood Members: ASTM C1002; self-piercing tapping screws, corrosion resistant.
- D. Screws for Fastening of Gypsum Panel Products to Steel Members from 0.033 to 0.112 inch in Thickness: ASTM C954; steel drill screws, corrosion resistant.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that project conditions are appropriate for work of this section to commence.

3.02 FRAMING INSTALLATION

- A. Metal Framing: Install in accordance with ASTM C754 and manufacturer's instructions.
 - B. Studs: Space studs as indicated.
 - C. Openings: Reinforce openings as required for weight of doors or operable panels, using not less than double studs at jambs.
 - D. Blocking: Install wood blocking for support of:
 - 1. Framed openings.
 - 2. Wall mounted cabinets.
- 3.03 INSTALLATION OF TRIM AND ACCESSORIES
- A. Control Joints: Place control joints consistent with lines of building spaces and as indicated.
 - 1. Not more than 30 feet apart on walls and ceilings over 50 feet long.
 - B. Corner Beads: Install at external corners, using longest practical lengths.
 - C. Edge Trim: Install at locations where gypsum board abuts dissimilar materials.
 - D. Decorative Trim: Install at locations shown on drawings and in accordance with manufacturer's instructions.

3.04 JOINT TREATMENT

- A. Paper Faced Gypsum Board: Use paper joint tape, embed with drying type joint compound and finish with drying type joint compound.
- B. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
 - 1. Level 5: Walls and ceilings to receive wall covering and vinyl wall graphics.
 - 2. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
- C. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
 - 1. Feather coats of joint compound so that camber is maximum 1/32 inch.
 - 2. Taping, filling, and sanding is not required at surfaces behind adhesive applied ceramic tile and fixed cabinetry.
 - 3. Taping, filling and sanding is not required at base layer of double layer applications.
- D. Fill and finish joints and corners of cementitious backing board as recommended by manufacturer.

3.05 TOLERANCES

- A. Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet in any direction.

END OF SECTION

SECTION 093000

TILING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Tile for floor applications.
- B. Tile for wall applications.
- C. Cementitious backer board as tile substrate.

1.02 RELATED REQUIREMENTS

- A. Section 092116 - Gypsum Board Assemblies: Tile backer board.

1.03 REFERENCE STANDARDS

- A. ANSI A108.1a - American National Standard Specifications for Installation of Ceramic Tile in the Wet-Set Method, with Portland Cement Mortar; 2014.
- B. ANSI A108.1b - Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set, Modified Dry-Set, or Improved Modified Dry-Set Cement Mortar; 2023.
- C. ANSI A108.1c - Contractor's Option: Installation of Ceramic Tile in the Wet-Set Method with Portland Cement Mortar or Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set, Modified Dry-Set, or Improved Modified Dry-Set Cement Mortar; 2023.
- D. ANSI A108.4 - American National Standard Specifications for Installation of Ceramic Tile with Organic Adhesive or Water Cleanable Tile-Setting Epoxy Adhesive; 2023.
- E. ANSI A108.5 - Setting of Ceramic Tile with Dry-Set Cement Mortar, Modified Dry-Set Cement Mortar, EGP (Exterior Glue Plywood) Modified Dry-Set Cement Mortar, or Improved Modified Dry-Set Cement Mortar; 2023.

- F. ANSI A108.6 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant, Water Cleanable Tile-Setting and -Grout Epoxy; 2023.
- G. ANSI A108.8 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant Furan Resin Mortar and Grout; 1999 (Reaffirmed 2024).
- H. ANSI A108.9 - American National Standard Specifications for Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout; 2023.
- I. ANSI A108.10 - American National Standard Specifications for Installation of Grout in Tilework; 2017 (Reaffirmed 2022).
- J. ANSI A108.11 - American National Standard Specifications for Interior Installation of Cementitious Backer Units; 2010 (Reaffirmed 2016).
- K. ANSI A108/A118/A136.1 - American National Standard Specifications for the Installation of Ceramic Tile (Compendium); 2017.
- L. ANSI A108.12 - Installation of Ceramic Tile with EGP (Exterior Glue Plywood) Modified Dry-Set Mortar; 2023.
- M. ANSI A108.13 - American National Standard for Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone; 2005 (Reaffirmed 2010).
- N. ANSI A118.3 - American National Standard Specifications for Chemical Resistant, Water Cleanable Tile-Setting and -Grouting Epoxy and Water Cleanable Tile-Setting Epoxy Adhesive; 2013 (Revised).
- O. ANSI A118.4 - American National Standard Specifications for Modified Dry-Set Cement Mortar; 2012 (Revised).
- P. ANSI A118.6 - American National Standard Specifications for Standard Cement Grouts for Tile Installation; 2010 (Revised).
- Q. ANSI A118.7 - American National Standard Specifications for High Performance Cement Grouts for Tile Installation; 2010 (Revised).
- R. ANSI A118.9 - American National Standard Specifications for Test Methods and Specifications for Cementitious Backer Units; 1999 (Reaffirmed 2016).
- S. ANSI A118.12 - American National Standard Specifications for Crack Isolation Membranes for Thin-set Ceramic Tile and Dimension Stone Installation; 2014.
- T. ANSI A137.1 - American National Standard Specifications for Ceramic Tile; 2022.
- U. ASTM C1373 - Standard Test Method for Water Absorption, Bulk Density, Apparent Porosity, and Apparent Specific Gravity of Fired Whiteware Products, Ceramic Tiles, and Glass Tiles; 2014a.
- V. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2011.
- W. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride; 2011.
- X. TCNA (HB) - Handbook for Ceramic, Glass, and Stone Tile Installation; 2015.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by all affected installers.

1.05 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturers' data sheets on tile, mortar, grout, and accessories. Include instructions for using grouts and adhesives.
- C. Samples: Mount tile and apply grout on two plywood panels, minimum 18 by 18 inches in size illustrating pattern, color variations, and grout joint size variations.
- D. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- E. Maintenance Data: Include recommended cleaning methods, cleaning materials, and stain removal methods.
- F. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 016000 - Product Requirements, for additional provisions.
 - 2. Extra Tile: 5 percent of each size, color, and surface finish combination.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the types of products specified in this section, with minimum five years of documented experience.
- B. Installer Qualifications: Company specializing in performing tile installation, with minimum of five years of documented experience.

1.07 MOCK-UP

- A. See Section 014000 - Quality Requirements, for general requirements for mock-up.
- B. Construct tile mock-up where indicated on drawings, incorporating all components specified for the location.
 - 1. Minimum size of mock-up is indicated on drawings.
 - 2. Approved mock-up may remain as part of the Work.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.09 FIELD CONDITIONS

- A. Maintain ambient and substrate temperature of 50 degrees F during installation of mortar materials.

PART 2 PRODUCTS

2.01 TILE

- A. Ceramic Mosaic Tile, Type W4.2: ANSI A137.1, standard grade.
 - 1. Color(s): As scheduled.
 - 2. Products:
 - a. As scheduled.
- B. Porcelain Tile, Type __; ANSI A137.1, standard grade.
 - 1. Moisture Absorption: 0 to 0.5 percent as tested in accordance with ASTM C373.
 - 2. Size: as indicated on drawings.
 - 3. Color(s): As indicated on drawings.
 - 4. Pattern: As indicated on drawings.

2.02 TRIM AND ACCESSORIES

- A. Non-Ceramic Trim: Satin natural anodized extruded aluminum, style and dimensions to suit application, for setting using tile mortar or adhesive.
 - 1. Applications:
 - a. Open edges of wall tile.
 - b. Wall corners, outside and inside.
 - c. Thresholds at door openings.
- 2. Manufacturers:
 - a. Schluter-Systems: Schluter schiene - www.schluter.com.
 - b. Substitutions: See Section 016000 - Product Requirements.

2.03 SETTING MATERIALS

- A. Manufacturers: provide setting materials by same manufacturer as grout.
- B. Latex-Portland Cement Mortar Bond Coat: ANSI A118.4.
 - 1. Products:
 - a. ARDEX Engineered Cements: ARDEX N 23 MICROTEC: www.ardexamericas.com/#/sle.
 - b. Mekrete, by Parex USA, Inc: Mekrete 735 Premium Flex: www.mekrete.com/#/sle.
 - c. TEC, an H.B. Fuller Construction Products Brand; TEC Ultimate Large Tile Mortar: www.tecspecialty.com/#/sle.

2.04 GROUTS

2.05 THIN-SET ACCESSORY MATERIALS

- A. Concrete floor crack isolation membrane: material complying with ANSI A118.12; not intended as water proofing.
 - 1. Thickness: 20 mils, maximum.
 - 2. Crack resistance: no failure at 1/16 inch gap, minimum.
- B. Standard Grout: ANSI A118.6 standard cement grout.
 - 1. Applications: Use this type of grout where indicated and where no other type of grout is indicated.
 - 2. Use sanded grout for joints 1/8 inch wide and larger, use unsanded grout for joints less than 1/8 inch wide.
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- A. Concrete Floor Slab Crack Isolation Membrane: Material complying with ANSI A118.12; not intended as waterproofing.
1. Type: Fluid-applied.
 2. Thickness: 20 mils, maximum.
 3. Crack Resistance: No failure at 1/16 inch gap, minimum.
- B. Backer Board: Cementitious type complying with ANSI A118.9; high density, glass fiber reinforced, 1/2 inch thick; 2 inch wide coated glass fiber tape for joints and corners.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that sub-floor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive tile.
- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive tile.
- C. Verify that sub-floor surfaces are dust-free and free of substances that could impair bonding of setting materials to sub-floor surfaces.
- D. Verify that concrete sub-floor surfaces are ready for tile installation by testing for moisture emission rate and alkalinity; obtain instructions if test results are not within limits recommended by tile manufacturer and setting materials manufacturer.

3.02 PREPARATION

- A. Protect surrounding work from damage.
- B. Vacuum clean surfaces and damp clean.
- C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.
- D. Install backer board in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of setting material to a feather edge.
- E. Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.

3.03 INSTALLATION - GENERAL

- A. Install tile and grout in accordance with applicable requirements of ANSI A108.1a through ANSI A108.13, manufacturer's instructions, and TCNA (HB) recommendations.
- B. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
- C. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
- D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make grout joints without voids, cracks, excess mortar or excess grout, or too little grout.
- E. Form internal angles square and external angles buttressed.
- F. Install non-ceramic trim in accordance with manufacturer's instructions.
- G. Sound tile after setting. Replace hollow sounding units.
- H. Keep control and expansion joints free of mortar, grout, and adhesive.
- I. Prior to grouting, allow installation to completely cure; minimum of 48 hours.
- J. Grout tile joints unless otherwise indicated. Use standard grout unless otherwise indicated.
- K. At changes in plane and tile-to-tile control joints, use tile sealant instead of grout, with either bond breaker tape or backer rod as appropriate to prevent three-sided bonding.

3.04 INSTALLATION - FLOORS - THIN-SET METHODS

- A. Over interior concrete substrates, install in accordance with TCNA (HB) Method F113, dry-set or latex-Portland cement bond coat, with standard grout, unless otherwise indicated.

3.05 INSTALLATION - WALL TILE

- A. Over coated glass mat backer board on studs, install in accordance with TCNA (HB) Method W245.

3.06 CLEANING

- A. Clean tile and grout surfaces.

3.07 PROTECTION

- A. Do not permit traffic over finished floor surface for 4 days after installation.

END OF SECTION

**SECTION 095100
ACOUSTICAL CEILINGS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Suspended metal grid ceiling system.
- B. Acoustical units.

1.02 REFERENCE STANDARDS

- A. ASTM C635/C635M - Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings; 2013a.
- B. UL (FRD) - Fire Resistance Directory; current edition.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Sequence work to ensure acoustical ceilings are not installed until dust generating activities have terminated, and overhead work is completed, tested, and approved.
- B. Do not install acoustical units until after interior wet work is dry.

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on suspension system components and acoustical units.

1.05 QUALITY ASSURANCE

- A. Suspension System Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- B. Acoustical Unit Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

1.06 FIELD CONDITIONS

- A. Maintain uniform temperature of minimum 60 degrees F, and maximum humidity of 40 percent prior to, during, and after acoustical unit installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Acoustic Tiles/Panels:
1. Armstrong World Industries, Inc: www.armstrong.com/#sle.

- B. Suspension Systems:
1. Same as for acoustical units.

2.02 ACOUSTICAL UNITS

- A. Armstrong World Industries, Inc: www.armstrong.com.

2.03 SUSPENSION SYSTEM(S)

- A. Suspension Systems - General: Complying with ASTM C635/C635M; die cut and interlocking components, with stabilizer bars, clips, splices, perimeter moldings, and hold down clips as required. See system descriptions above.
- B. See drawings for product selections.

2.04 ACCESSORIES

- A. Support Channels and Hangers: Galvanized steel; size and type to suit application and ceiling system flatness requirement specified.
- B. Perimeter Moldings: Armstrong Shadow Molding 7874.
1. At Exposed Grid: Provide L-shaped molding for mounting at same elevation as face of grid.
 2. At Concealed Grid: Provide concealed molding.
- C. Acoustical Sealant For Perimeter Moldings: Non-hardening, non-skinning, for use in conjunction with suspended ceiling system.
- D. Gasket For Perimeter Moldings: Closed cell rubber sponge tape.
- E. Touch-up Paint: Type and color to match acoustical and grid units.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

- A. Install suspension system in accordance with ASTM C636/C636M, ASTM E580/E580M, and manufacturer's instructions and as supplemented in this section.
- B. Rigidly secure system, including integral mechanical and electrical components, for maximum deflection of 1.360.
- C. Lay out system to a balanced grid design with edge units no less than 50 percent of acoustical unit size.
- D. Locate system on room axis according to reflected plan.

- E. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.
- F. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.
- G. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.
- H. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability.
- I. Support fixture loads using supplementary hangers located within 6 inches of each corner, or support components independently.
- J. Do not eccentrically load system or induce rotation of runners.
- K. Perimeter Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other interruptions.

3.03 INSTALLATION - ACOUSTICAL UNITS

- A. Install acoustical units in accordance with manufacturer's instructions.
- B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.
- C. Fit border trim neatly against abutting surfaces.
- D. Install units after above-ceiling work is complete.
- E. Install acoustical units level, in uniform plane, and free from twist, warp, and dents.
- F. Cutting Acoustical Units:
1. Make field cut edges of same profile as factory edges.
- G. Where round obstructions occur, provide preformed closures to match perimeter molding.
- H. Lay acoustical insulation for a distance of 48 inches either side of acoustical partitions as indicated.

3.04 TOLERANCES

- A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.
- B. Maximum Variation from Plumb of Grid Members Caused by Eccentric Loads: 2 degrees.

END OF SECTION

**SECTION 095426
SUSPENDED WOOD CEILINGS**

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general conditions of Contract, including General and Supplementary Conditions and Divisions-1 Specification sections apply to work of this section.

1.02 SUMMARY

- A. Section Includes
1. Wood ceilings
 2. Exposed grid suspension system
 3. Wire hangers, fasteners, main runners, cross tees, and wall angle moldings
 4. Perimeter Trim

1.03 REFERENCE STANDARDS

- A. ASCE 7 - Minimum Design Loads for Buildings and Other Structures; 2010, with 2013 Supplements and Errata.
- B. ASTM C423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method; 2017.
- C. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2015a.
- D. ASTM E1264 - Standard Classification for Acoustical Ceiling Products; 2014.
- E. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- F. Related Sections
1. Section 09 53 00 - Acoustical Ceiling Suspension Assemblies
 2. Section 09 20 00 - Plaster and Gypsum Board
 3. Section 09 22 16 - Non-structural Metal Framing
 4. Division 23 (15) - HVAC Air Distribution
 5. Division 26 (16) - Electrical Work

G. ALTERNATES

1. Prior Approval: Unless otherwise provided for in the Contract documents, proposed product substitutions may be submitted no later than TEN (10) working days prior to the date established for receipt of bids. Acceptability of a proposed substitution is contingent upon the Architect's review of the proposal for acceptability and approved products will be set forth by the Addenda. If included in a Bid are substitute products that have not been pre-approved by the architect and included in the Addenda, the originally specified products shall be provided without additional compensation.
2. Submittals that do not provide adequate data for the product evaluation will not be considered. The proposed substitution must meet all requirements of this section, including but not necessarily limited to, the following: Single source materials suppliers; Panel design, size, composition, color, and finish; Suspension system component profiles and sizes; Compliance with the referenced standards.

1.04 REFERENCES

- A. American Society for Testing and Materials (ASTM):
1. ASTM A 1008 Standard Specification for Steel, Sheet, Cold Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability
 2. ASTM A 641 Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire
 3. ASTM A 653 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process
 4. ASTM C 635 Standard Specification for Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings
 5. ASTM C 636 Recommended Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels
 6. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials
 7. ASTM E 580 Installation of Metal Suspension Systems in Areas Requiring Moderate Seismic Restraint
 8. ASTM C423 Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
 9. ASTM E1264 Classification for Acoustical Ceiling Products
- B. International Building Code
- C. ASHRAE Standard 62.1-2004, Ventilation for Acceptable Indoor Air Quality
- D. NFPA 70 National Electrical Code
- E. ASCE 7 American Society of Civil Engineers, Minimum Design Loads for Buildings and Other Structures
- F. International Code Council-Evaluation Services Report - Seismic Engineer Report
1. ESR 1308 - Armstrong Suspension Systems
- H. California Air Resource Board (CARB) compliant
- I. LEED - Leadership in Energy and Environmental Design is a set of rating systems for the design, construction, operation, and maintenance of green buildings
- J. Clean Rooms up to ISO Class 5 (Class 100)

1.05 SUBMITTALS

- A. Shop Drawings: Layout and details of ceilings. Show locations of items that are to be coordinated with or supported by the ceilings.
- B. Installation Instructions: Submit manufacturer's installation instructions as referenced in Part three, Installation.
- C. Product Data: Submit manufacturer's technical data for each type of ceiling unit and suspension system required.
- D. Samples: Solid Wood (Poplar) Finishes - Clear or tinted semi-gloss, except White (GWH), which has a lacquer finish
- E. Certifications: Manufacturer's certifications that products comply with specified requirements, including laboratory reports showing compliance with specified tests and standards.
- F. Non-Conformance: All products not conforming to the requirements of this specification and or the manufacturer's published values are to be disposed. The Contractor performing the work will replace with approved product at their expense.

1.06 QUALITY ASSURANCE

- A. Single-Source Responsibility: Provide acoustical panel units and grid components by a single manufacturer to ensure fit and function.
- B. Installer Qualifications: Company specializing in performing specified work type, a minimum of three years of documented experience, and approved by the manufacturer.
- C. Fire Performance Characteristics: Identify acoustical ceiling components with appropriate markings of applicable testing and inspecting organization.
- D. Surface Burning Characteristics: Tested per ASTM E84 and complying with ASTM E1264 Classification.
- E. HPVA (Hardwood Plywood and Veneer Association) certification and audit program per ASTM E84 tunnel test.
- F. Woodworking Standards: Manufacturer must comply with specified provisions of Architectural Woodworking Institute quality standards.
- G. Coordination of Work: Coordinate ceiling work with installers of related work including, but not limited to building insulation, gypsum board, light fixtures, mechanical systems, electrical systems, and sprinklers.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Store ceiling components in a dry interior location in their cartons prior to installation to avoid damage. Store cartons in a flat, horizontal position. The protectors between the panels should not be removed until installation.
- B. Do not store in unconditioned spaces with humidity greater than 55 percent or lower than 25 percent relative humidity and temperatures lower than 50 degrees Fahrenheit or greater than 86 degrees Fahrenheit. Panels must not be exposed to extreme temperatures, for example, close to a heating source or near a window with direct sunlight.
- C. Handle ceiling units carefully to avoid chipped edges or damage to units in any way.

1.08 PROJECT CONDITIONS

- A. Wood ceiling materials should be permitted to reach room temperature and have a stabilized moisture content for a minimum of 72 hours before installation. (Remove plastic wrap to allow panels to climatize).
- B. The wood panels should not be installed in spaces where the temperature or humidity conditions vary from the temperatures and conditions that will be normal in the occupied space.
- C. As interior finish products, the solid wood panels are designed for installation in temperature conditions between 50 degrees Fahrenheit and 86 degrees Fahrenheit, in spaces where the building is enclosed, and HVAC systems are functioning and will be in continuous operation. Relative humidity should not fall below 25 percent or exceed 55 percent.

1.09 WARRANTY

- A. Submit a written warranty executed by the manufacturer, agreeing to repair or replace panels that fail within the warranty period. Failures include, but are not limited to:
1. Ceiling: Defects in materials or factory workmanship.
 2. Grid System: Rusting and manufacturing defects.
- B. Warranty Period:
1. Ceiling: One (1) year from date of installation.
 2. Grid: Ten years from date of installation.
- C. The Warranty shall not deprive the owner of other rights the owner may have under other provisions of the Contract Documents and will be in addition to and run concurrent with other warranties made by the Contractor under the requirements of the Contract Documents.

1.10 MAINTENANCE

- A. Extra Materials: Deliver extra materials to Owner. Furnish extra materials described below that match products installed. Packaged with protective covering for storage and identified with appropriate labels.
1. Ceiling Units: Furnish quality of full-size units equal to 2.0 percent of amount installed.
 2. Exposed Suspension System Components: Furnish quantity of each exposed suspension component equal to 1.0 percent of amount installed.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Ceiling Panels:
1. Basis of Design: Armstrong World Industries, Inc.
- B. Suspension Systems:
1. Basis of Design: Armstrong World Industries, Inc.

2.02 ACOUSTICAL WOOD CEILINGS / SUSPENDED WOOD CEILINGS

- A. Suspended Wood Ceilings
1. Surface Texture: Smooth
 2. Composition: Solid Wood (Poplar)
 3. Finish: Clear or Tinted, UV Cured Topcoat Finishes on Solid Wood (Poplar)
 - a. Antique Oak (GAO)
 4. Dimensions:
 - a. Panel Width: 12"
 - b. Panel Length: 96"
 - c. Plank Spacing: 2"
 - d. Plank Width: 1"
 - e. Plank Height: 4-1/4"
 5. Flame Spread: ASTM E1264, Class C
 6. Basis of Design: WOODWORKS Grille- Classics as manufactured by Armstrong World Industries, Inc.
 7. Ceiling Accessories:
 - a. Provide finish accessories as required for a finished appearance, with no visible rough edges.
 - b. Backer Rod - Factory finished white
 - c. Substitutions: Refer to Alternates in Part 1.

2.03 METAL SUSPENSION SYSTEMS

- A. Components: Main beams and cross tees, base metal and end detail, fabricated from commercial quality hot dipped galvanized steel complying with ASTM A 553. Main beams and cross tees are double-web steel construction exposed flange design. Exposed surfaces chemically cleaned, capping prefinished galvanized steel in baked polyester paint. Main beams and cross tees shall have rotary stitching. All grid system connected to wood slats to be 360 painted white.
1. Structural Classification: ASTM C 635 Heavy Duty.
 2. Basis of Design:
 - 1) Prelude XL 15/16" Exposed Tee 12" Main beam - Item 7301BL as manufactured by Armstrong World Industries, Inc.
 - 2) Prelude XL Exposed Tee 4" Cross Tee - Item XL7341BL as manufactured by Armstrong World Industries, Inc.
 - 3) Prelude XL Exposed Tee 2" Cross Tee - Item XL8320BL as manufactured by Armstrong World Industries, Inc.
 3. Substitutions: Refer to Alternates in Part 1.
- B. Attachment Devices: Size for five times design load indicated in ASTM C 635, Table 1, Direct Hung unless otherwise indicated.
- C. Wire for Hangers and Ties: ASTM A 641, Class 1 zinc coating, soft annealed, with a yield stress load of at least time three design load, but not less than 12 gauge.
- D. Suspension System Accessories, Edge Moldings and Trim as manufactured by Armstrong World Industries, Inc.
- 1) Dowel Clip
 - 2) Ledger
 - 3) 12-Gauge Solt Hanger Wire
 - 4) Uplight Clip
 - 5) RC2 Radius Clip
 - 6) Adjustable Trim Clip
 - 7) Direct Load Ceiling Clip

PART 3 - EXECUTION

3.01 3.1 EXAMINATION

- A. Do not proceed with installation until all wet work such as concrete, terrazzo, plastering and painting has been completed and thoroughly dried out.
- B. Proper designs for both supply air and return air, maintenance of the HVAC filters and building interior space are essential to minimize soiling. Before starting the HVAC system, make sure supply air is properly filtered and the building interior is free of construction dust.

3.2 PREPARATION

- A. Measure each ceiling area and establish layout of acoustical units to balance border widths at opposite edges of each ceiling. Avoid use of less than half width units at borders and comply with reflected ceiling plans. Coordinate panel layout with mechanical and electrical fixtures.
- B. WoodWorks ceiling materials should be permitted to reach room temperature and have a stabilized moisture content for a minimum of 72 hours before installation. (Remove plastic wrap to allow panels to climatize).

3.3 INSTALLATION

- A. Interior WoodWorks products, the solid wood panels are designed for installation in temperature conditions between 50 degrees Fahrenheit and 86 degrees Fahrenheit, in spaces where the building is enclosed, and HVAC systems are functioning and will be in continuous operation. Relative humidity should not fall below 25 percent or exceed 55 percent.
- B. Install suspension system and panels in compliance with ASTM C636, ASTM E580, with the approval of the authorities having jurisdiction, and in accordance with the manufacturer's installation Instructions.

3.4 ADJUSTING AND CLEANING

- A. Replace damaged and broken panels.
- B. Clean exposed surfaces of acoustical ceilings, including trim, edge moldings, and suspension members. Comply with manufacturer's instructions for cleaning and touch up of minor finish damage.

END OF SECTION

**SECTION 096500
RESILIENT FLOORING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Resilient tile flooring.
- B. Resilient base.
- C. Installation accessories.

1.02 REFERENCE STANDARDS

- A. ASTM E648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source; 2014c.

- B. NFPA 253 - Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source; 2015.

1.03 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.
- C. Verification Samples: Submit two samples, 4 by 4 inch in size illustrating color and pattern for each resilient flooring product specified.
- D. Certification: Prior to installation of flooring, submit written certification by flooring manufacturer and adhesive manufacturer that condition of sub-floor is acceptable.
- E. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.
- F. Maintenance Materials: Furnish the following for Owner's use in maintenance of product.
1. See Section 016000 - Product Requirements, for additional provisions.
 2. Extra Materials: Quantity equivalent to 5 percent of each type and color.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing specified flooring with minimum three years documented experience.
- B. Installer Qualifications: Company specializing in installing specified flooring with minimum three years documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Upon receipt, immediately remove any shrink-wrap and check materials for damage and the correct style, color, quantity and run numbers.
- B. Store all materials off of the floor in an acclimatized, weather-tight space.
- C. Maintain temperature in storage area between 55 degrees F and 90 degrees F.
- D. Protect roll materials from damage by storing on end.
- E. Do not double stack pallets.

1.06 FIELD CONDITIONS

- A. Store materials for not less than 48 hours prior to installation in area of installation at a temperature of 70 degrees F to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F.

PART 2 PRODUCTS

2.01 TILE FLOORING

2.02 LUXURY VINYL TILE (LVT)

- A. Manufacturer: Patcraft
- B. Construction: Heavy Commercial Luxury Vinyl Tile
- C. Class / ASTM F 1700: Class III Printed Film Vinyl Plank, Type B (embossed)
- D. Wearlayer Thickness: 20 mil or 0.020" (0.5 mm)
- E. Backing: Commercial Grade
- F. Finish: Exoguard
- G. Installation: Glue-Down
- H. Adhesive: per manufacturer's recommendations

2.03 RESILIENT BASE

- A. Resilient Base: ASTM F1861, Type TS rubber, vulcanized thermoset; top set Style B, Cove.
1. Critical Radiant Flux (CRF): Minimum 0.45 watt per square centimeter, when tested in accordance with ASTM E648 or NFPA 253.
 2. Height: 4 inch.
 3. Length: coils
 4. Color: To be selected by Architect from manufacturer's full range.
 5. Accessories: Premolded external corners and internal corners.

2.04 ACCESSORIES

- A. Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer. For use only under areas to receive carpet, tile, and resilient flooring.
- B. Primers, Adhesives, and Seam Sealer: Waterproof, types recommended by flooring manufacturer.
1. VOC Content Limits: As specified in Section 016116.
- C. Moldings, Transition and Edge Strips: as indicated on drawings.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of flooring to substrate.
- B. Cementitious Sub-floor Surfaces: Verify that substrates are dry enough and ready for resilient flooring installation by testing for moisture and pH.
1. Test in accordance with ASTM F710.
 2. Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.

3.02 PREPARATION

- A. Remove existing resilient flooring and flooring adhesives; follow the recommendations of RFCI (RWP).
- B. Remove sub-floor ridges and bumps. Fill minor low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard surface.
- C. Prohibit traffic until filler is fully cured.
- D. Apply primer as required to prevent "bleed-through" or interference with adhesion by substances that cannot be removed.

3.03 INSTALLATION - GENERAL

- A. Starting installation constitutes acceptance of sub-floor conditions.
- B. Install in accordance with manufacturer's written instructions.
- C. Spread only enough adhesive to permit installation of materials before initial set.
- D. Fit joints and butt seams tightly.
- E. Set flooring in place, press with heavy roller to attain full adhesion.
- F. Where type of floor finish, pattern, or color are different on opposite sides of door, terminate flooring under centerline of door.
- G. Install edge strips at unprotected or exposed edges, where flooring terminates, and where indicated.
1. Resilient Strips: Attach to substrate using adhesive.
- H. Scribe flooring to walls, columns, cabinets, floor outlets, and other appearances to produce tight joints.
- I. Install flooring in recessed floor access covers, maintaining floor pattern.

3.04 INSTALLATION - TILE FLOORING

- A. Mix tile from container to ensure shade variations are consistent when tile is placed, unless otherwise indicated in manufacturer's installation instructions.
- B. Lay flooring with joints and seams parallel to building lines to produce symmetrical tile pattern.

3.05 INSTALLATION - RESILIENT BASE

- A. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches between joints.
- B. Install base on solid backing. Bond tightly to wall and floor surfaces.
- C. Scribe and fit to door frames and other interruptions.

3.06 CLEANING

- A. Remove excess adhesive from floor, base, and wall surfaces without damage.
- B. Clean in accordance with manufacturer's written instructions.

3.07 PROTECTION

- A. Prohibit traffic on resilient flooring for 48 hours after installation.

END OF SECTION

**SECTION 096813
TILE CARPETING**

PART 1 GENERAL

1.01 SECTION INCLUDES

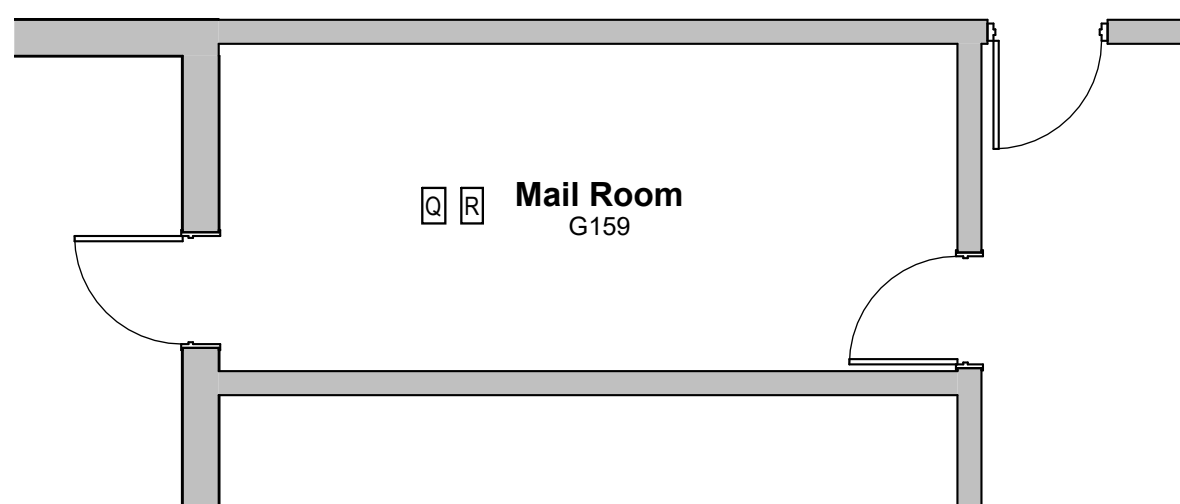
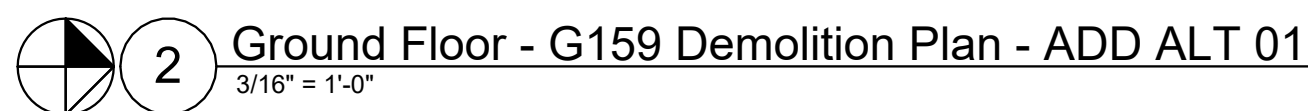
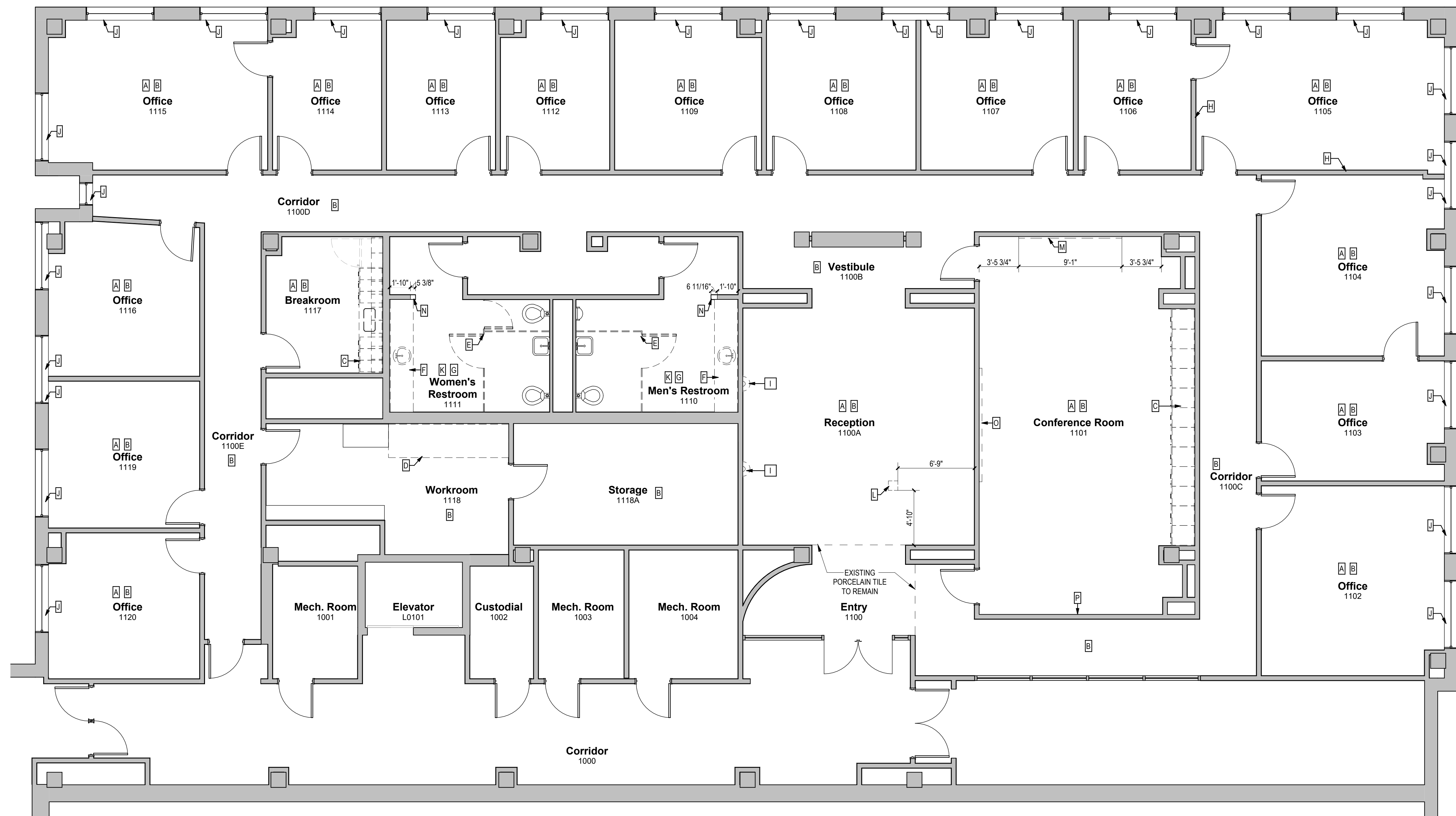
- A. Carpet tile, fully adhered.

1.02 REFERENCE STANDARDS

- A. ASTM D2859 - Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials; 2006 (Reapproved 2011).

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B. PROVIDE SAFE MEANS OF EGRESS THROUGH AND AROUND THE BUILDING AND SITE AT ALL TIMES.

C. PROVIDE FIRE EXTINGUISHERS PER AUTHORITY HAVING JURISDICTION 'S REQUIREMENTS AT ALL TIMES THROUGHOUT CONSTRUCTION AREA.

D. ALL SHUTDOWNS OF MECHANICAL, SPRINKLER, FIRE ALARM AND ELECTRICAL SYSTEMS SHALL BE COORDINATED WITH OWNER, COORDINATE WITH AUTHORITY HAVING JURISDICTION 'S REQUIREMENTS FOR NOTIFICATION, FIRE WATCH, ETC.

E. AVOID DISRUPTION TO AS MUCH AS POSSIBLE. KEEP NOISE TO A LEVEL ACCEPTABLE TO THE OWNER BY SCHEDULING EXCESSIVE NOISE TASKS WITH OWNER SO, ALL SAW-CUTTING AND NOISE VIBRATION PRODUCING CONSTRUCTION TO BE SCHEDULED WITH OWNER SO AS TO NOT INTERFERE WITH

F. PROVIDE CONSTRUCTION BARRIERS AND DUST CONTROL BETWEEN CONSTRUCTION AREAS AND OCCUPIED AREAS AT ALL TIMES

G. CONTINUE TO PROTECT INTERIOR FROM EXTERIOR CONDITIONS INFILTRATING INTERIOR ENVIRONMENT

H. VERIFY EXISTING CONDITIONS AND DIMENSIONS, COORDINATE THE EXTENT OF DEMOLITION WORK AND EXISTING CONSTRUCTION TO REMAIN WITH OWNER. NOTIFY ACHETOR OF CONFLICTS.

I. DASHED LINES INDICATE EXISTING CONSTRUCTION TO BE REMOVED, UNLESS NOTED OTHERWISE.

J. REFER TO STRUCTURAL AND MEP DRAWINGS FOR SPECIFIC DISCIPLINE DEMOLITION ITEMS NOT SHOWN OR NOTED.

K. REMOVE EXISTING CONSTRUCTION IS REMOVED, CUT, DRILLED, DAMAGED OR OTHERWISE DISTURBED. PATCH DEFECTIVE AND INCOMPLETE SURFACES AS REQUIRED TO MATCH ADJACENT EXISTING UNDISTURBED SURFACES, UNLESS OTHERWISE NOTED.

L. REMOVE DESIGNATED WALLS AND PARTITIONS IN THEIR ENTIRETY INCLUDING DUCTS, PIPING, CONDUITS, BRACING AND OTHER ELEMENTS IN OR TO THESE ASSEMBLIES WHICH MAY OR MAY NOT BE SPECIFICALLY IDENTIFIED, UNLESS OTHERWISE NOTED.

M. REMOVE ALL OPENINGS IN WALLS, PARTITIONS, FLOORS AND CEILINGS THAT ARE TO BE REMOVED TO MATCH EXISTING ADJACENT FINISHED SURFACE. MAINTAIN PENETRATION LISTINGS AND ALL FIRE RATING REQUIREMENTS.

N. PATCH FIRE PROOFING AS REQUIRED TO MAINTAIN RATING. REFER TO LIFE SAFETY DRAWINGS.

O. THOROUGHLY CLEAN AND PREPARE ALL SURFACES TO RECEIVE NEW FINISH OR COVERING, COMPLETELY REMOVE DIRT, DUST, GREASE, LOIL, PAINT, LOOSE MATERIALS, SOIL, ETC AS NECESSARY. PLACE SURFACES IN MOST SUITABLE CONDITION.

P. THE FOLLOWING ITEMS ARE TO BE SALVAGED AND TURNED OVER TO THE OWNER:

Q. ALL ITEMS IDENTIFIED TO BE REMOVED AND SALVAGED FROM EXISTING WALLS INCLUDING BUT NOT LIMITED TO EQUIPMENT, TACK BOARDS, MARKER BOARDS, CORNER GUARDS, MIRRORS, SIGNS, DOORHARDWARE, NOTIFICATION DEVICES, ETC. SHALL BE RETURNED TO OWNER, UNLESS DIRECTED OTHERWISE. PATCH WALLS AS REQUIRED FOR NEW FINISHES.

R. REMOVE ALL PIPING AND DUCTWORK, INCLUDING CAP AND TAG END OF REMAINING PORTION.

S. REFER TO DEMOLITION CALLING PLANS FOR EXTENT OF CEILING DEMOLITION. REMOVE UNUSED SUSPENSION WIRTS, WALL ANGLES, BRACES, STRUTS, FRAMING, ETC.

A	EXISTING FURNITURE TO BE REMOVED IN ITS ENTIRETY.
B	EXISTING FLOORING & RESILIENT WALL BASE TO BE REMOVED IN ITS ENTIRETY.
C	REMOVE CASEWORK.
D	REMOVE COUNTERTOP ONLY.
E	REMOVE RESTROOM PARTITIONS IN ITS ENTIRETY.
F	REMOVE VANITY & ASSOCIATED PLUMBING FIXTURES. SEE PLUMBING.
G	REMOVE ALL WALL-MOUNTED TOILET ACCESSORIES.
H	REMOVE WALL COVERING IN ITS ENTIRETY.
I	REMOVE WALL SCONE.
J	REMOVE SLAT WINDOW BLINDS.
K	REMOVE ALL EXISTING CERAMIC FLOOR AND WALL TILE. PATCH AND REPAIR SUBFLOOR AND WALL SUBSTRATE AS REQUIRED TO RECEIVE NEW TILE.
L	CORE DRILL EXISTING SLAB AT LOCATION INDICATED ON PLAN FOR NEW FLOOR REPAIR/STAGE BOX. ACCESS UNDERNEATH OF SLAB AT ROOM G106.
M	PROTECT/PAVE ALL WALL AND ALL CEILING TILES IN RM. G106. SEE ELECTRICAL FOR SIZE REQUIREMENTS.
N	REMOVE & SALVAGE EXISTING WVB WALL BASE TO EXTENSIONS INDICATED FOR NEW PARTITION LOCATION. SEE RENOVATION PLAN FOR LOCATION OF SALVAGED WVB.
O	REMOVE EXISTING WVB TO EXTENSIONS INDICATED. PATCH & REPAIR DRYWALL AS REQUIRED FOR FINAL FINISHES.
P	REMOVE WALL-MOUNTED ACOUSTIC PANELS. TURN OVER TO OWNER.
Q	REMOVE GLASSBOARD.
R	ADD ALT. 01: EXISTING FURNITURE TO BE REMOVED IN ITS ENTIRETY.
R	ADD ALT. 01: EXISTING FLOORING & RESILIENT WALL BASE TO BE REMOVED IN ITS ENTIRETY.

A detailed floor plan of the University of Illinois at Chicago campus. The plan shows various buildings, courtyards, and parking areas. A label "PROJECT LOCATION" with an arrow points to a specific building in the top right corner of the plan.

[illegible]

ID:	REVISION:	DRAWN:	REVIEWED:	DATE:

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Design
95% Complete
100% Cost

Florida State University
Stone Building

Job Title:
Suite 1100 Improvements

Project #:	19370.61
Phase:	100% Construction

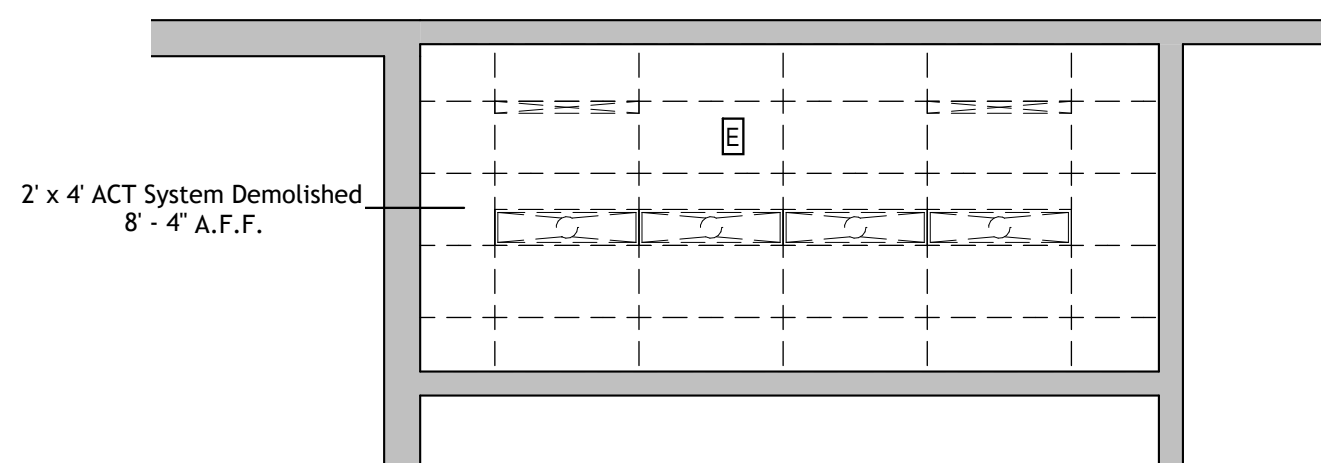
ALW

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
**Demolition
Architectural Plan**

Sheet No.:

AD1.1



A	REMOVE EXISTING LIGHT FIXTURES THROUGHOUT. SUSPENDED CEILING SYSTEM/GWB CEILINGS TO REMAIN.
B	REMOVE EXISTING CEILING AND ASSOCIATED FIXTURES IN IS ENTIRETY.
C	REMOVE RECESSED MONITOR SCREEN & ASSOCIATED POWER. SEE ELECTRICAL.
D	REMOVE EGG CRATE. SALVAGE TRACK FOR NEW DIFFUSER PANEL.
E	ADD AL T01: REMOVE EXISTING CEILING AND ASSOCIATED FIXTURES IN IS ENTIRETY.

	ACT - DEMOLISHED		DIFFUSER - SUPPLY TO REMAIN
	ACT - EXISTING TO REMAIN		DIFFUSER - RETURN TO REMAIN
	GWB CEILING TO REMAIN, UNO.		EXHAUST FAN TO REMAIN
	LIGHT FIXTURE - 2' X 4' TROFFER DEMOLISHED		DIFFUSER - LINEAR DEMOLISHED
	LIGHT FIXTURE - 1' X 4' TROFFER DEMOLISHED		LIGHT FIXTURE - SUSPENDED PENDANT DEMOLISHED
	FLOURESTANT LIGHT DEMOLISHED		LIGHT FIXTURE - RECESSED DEMOLISHED
	WALL WASHER LIGHT FIXTURE - RECESSED DEMOLISHED		SPRINKLER TO REMAIN
	SPRINKLER DEMOLISHED		SPRINKLER DEMOLISHED

A detailed floor plan of the 10th floor of the University of Illinois at Chicago. The plan shows a large central area with many small rooms, likely offices or classrooms. A large, irregularly shaped area in the top right corner is highlighted with a thick black border and labeled "PROJECT LOCATION". This area contains several rooms, including a large conference room and a smaller room with a desk and chair. The rest of the floor is divided into various rooms, some of which are labeled with numbers like "1000", "1001", "1002", "1003", "1004", "1005", "1006", "1007", "1008", "1009", "1010", "1011", "1012", "1013", "1014", "1015", "1016", "1017", "1018", "1019", "1020", "1021", "1022", "1023", "1024", "1025", "1026", "1027", "1028", "1029", "1030", "1031", "1032", "1033", "1034", "1035", "1036", "1037", "1038", "1039", "1040", "1041", "1042", "1043", "1044", "1045", "1046", "1047", "1048", "1049", "1050", "1051", "1052", "1053", "1054", "1055", "1056", "1057", "1058", "1059", "1060", "1061", "1062", "1063", "1064", "1065", "1066", "1067", "1068", "1069", "1070", "1071", "1072", "1073", "1074", "1075", "1076", "1077", "1078", "1079", "1080", "1081", "1082", "1083", "1084", "1085", "1086", "1087", "1088", "1089", "1090", "1091", "1092", "1093", "1094", "1095", "1096", "1097", "1098", "1099", "1100".

Job Title: Suite 1100 Improvements

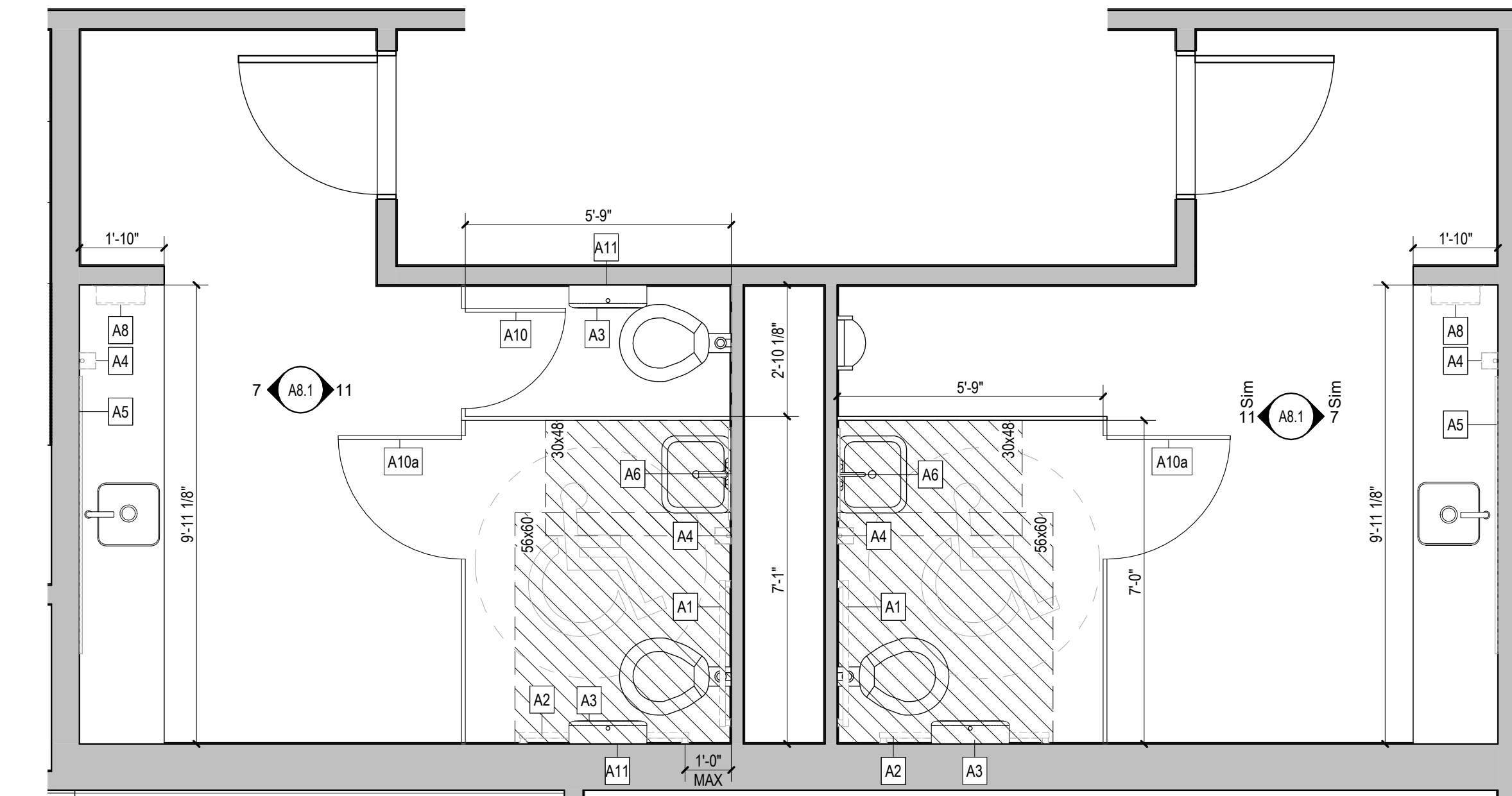
Seal:

Description:
Demolition
Architectural
Reflected Ceiling
Plan

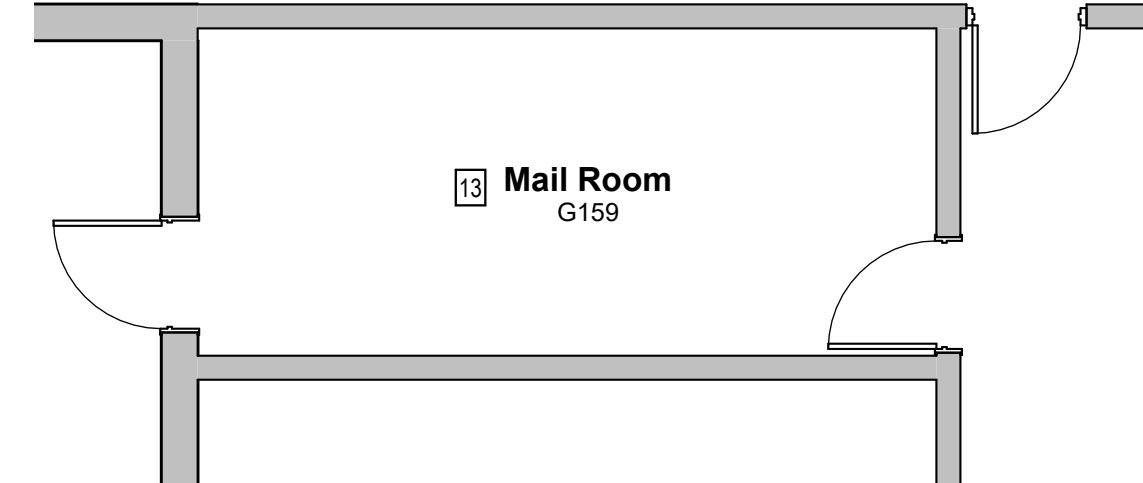
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AD1.3

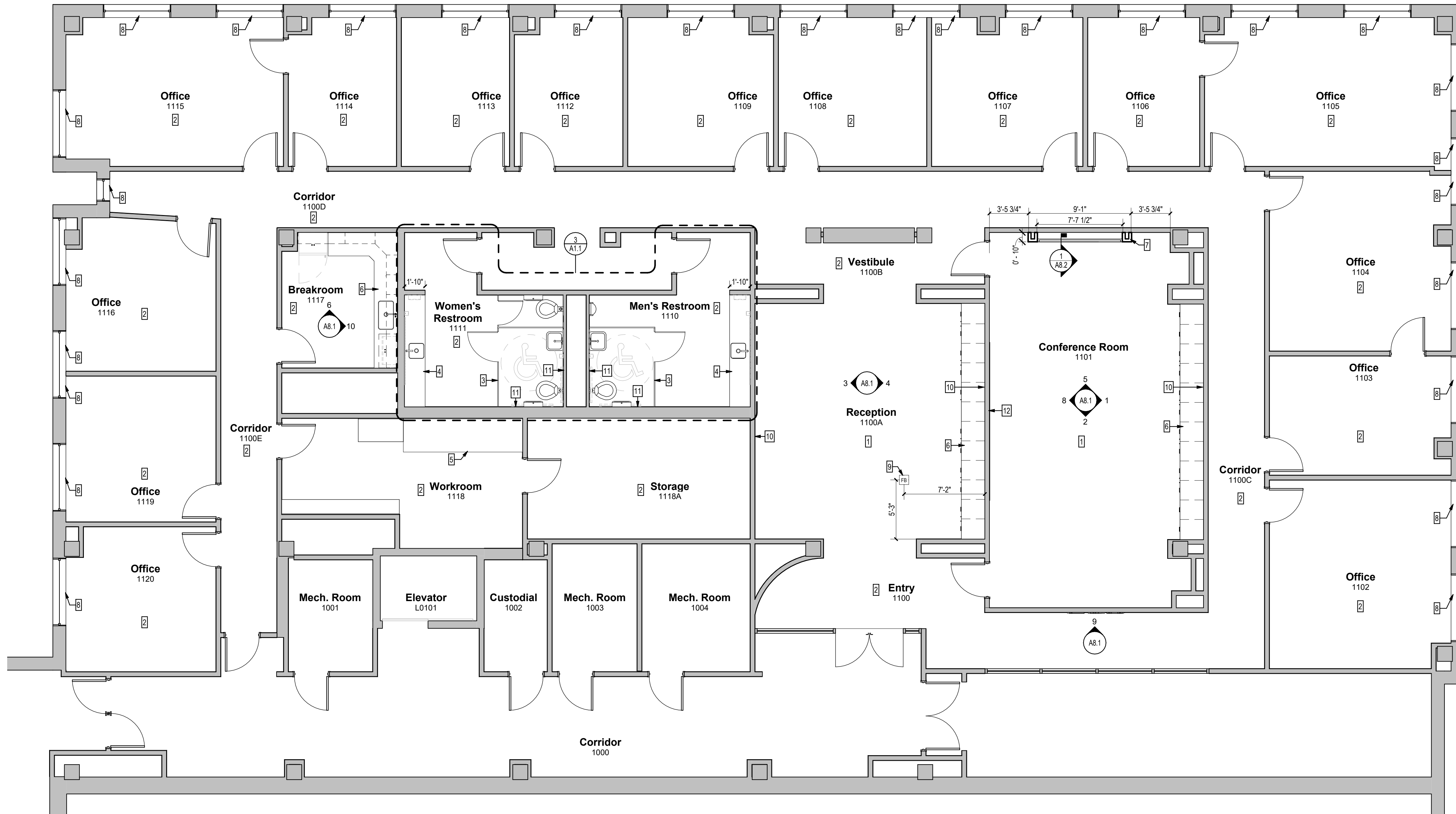
A1	42" GRAB BAR, 1 1/2" DIA - BRADLEY - MODEL 821 - SAFETY GRIP
A2	36" GRAB BAR, 1 1/2" DIA - BRADLEY - MODEL 821 - SAFETY GRIP
A3	TOILET TISSUE DISPENSER - GEORGIA PACIFIC - 59209 - 2-ROLL SIDE BY SIDE JUMBO JR. HIGH CAPACITY - SMOKE
A4	SOAP DISPENSER - GEORGIA PACIFIC - 52057 - ENMOTION GEN2 AUTO TOUCHLESS SOAP & SANITIZER DISP. - BLACK
A5	MIRROR - BRADLEY 747 - FRAMELESS MIRROR - 42" X 72"
A6	MIRROR - BRADLEY 747 - FRAMELESS MIRROR - 24" X 36"
A7	BARRIER FREE UNDER SINK PROTECTIONS - VITREOUS CHINA SHROUD INCLUDED WITH SPECIFIED SINK MODEL. SEE PLUMBING FIXTURE SCHEDULE.
A8	PAPER TOWEL DISPENSER - GEORGIA PACIFIC - 59462A - ENMOTION 10" AUTOMATED TOUCHLESS - BLACK
A9	SURFACE-MOUNTED PAPER TOWEL DISPENSER - BRADLEY - ELVARI 2B1 MEDIUM, BRUSHED NICKEL
A10	CLOTHES HOOK - BRADLEY - MODEL 9114 - SINGLE ROBE HOOK -STAINLESS STEEL
A10a	CLOTHES HOOK (ADA MOUNTING HEIGHT) - BRADLEY - MODEL 9114 -SINGLE ROBE HOOK - STAINLESS STEEL
A11	SANITARY NAPKIN RECEPTACLE - BRADLEY - MODEL 4791-11 -SURFACE MOUNTED NAPKIN DISPOSAL WITH SHELF - SATIN STAINLESS STEEL



 **3** Enlarged Restroom Floor Plan
3/8" = 1'-0"



Ground Floor - G159 Renovation Floor Plan -
ADD ALT 01
3/16" = 1'-0"



 **1** First Floor - Renovation Floor Plan
3/16" = 1'-0"

1. THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND BECOME FAMILIAR WITH ALL CONDITIONS WHICH MAY AFFECT THE WORK, PRIOR TO STARTING.
2. PLAN DIMENSIONS ARE TO FACE OF MASONRY AT MASONRY WALLS, FACE OF FRAMING AT FRAMED WALLS, AND FACE OF FINISH AT EXISTING FRAMED WALLS.
3. ALL NEW WALL SURFACES SHALL BE FINISHED AND PAINTED PER FINISH SCHEDULE F AND SPECIFICATIONS.
4. CLEAN AND PREP ALL AREAS WITHIN SCOPE OF WORK TO RECEIVE NEW FINISHES. DIMENSIONS INDICATED FOR EX. CONSTRUCTION ARE ASSUMED TO BE ACCURATE TO +/- 1".
5. CONTRACTOR SHALL PATCH AND REPAIR ALL WALLS THAT ARE IMPACTED BY MECHANICAL AND/OR ELECTRICAL CONDUIT, PIPING, AND ALL OTHER MISC. DEVICES.
7. ALL WORK IS TO BE LAID OUT TRUE, SQUARE, AND PLUMB, AND TO EXACT AND CORRECT DIMENSIONS. IF DIMENSIONAL DISCREPANCIES ARE DISCOVERED, THE CONTRACTOR MUST NOTIFY THE OWNER AND THE ARCHITECT IN WRITING PRIOR TO PROCEEDING. THE ARCHITECT WILL ISSUE A DIMENSIONAL OR LAYOUT CORRECTION.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL TRADES AND WORK, INCLUDING THE WORK OF OTHERS WHERE AFFECTED.
9. THE CONTRACTOR SHALL MAINTAIN A FULL SET OF COMPLETE AND CURRENT DRAWINGS AVAILABLE FOR REVIEW AT THE JOB SITE AT ALL TIMES. ALL FIELD MODIFICATIONS TO THE ORIGINAL DESIGN DOCUMENTS SHALL BE NOTED AND MAINTAINED FOR THE PROJECT RECORD COPY.
10. NO EXISTING FIRE EXTINGUISHERS ARE TO BE REUSED.
11. WHEN NEW CONSTRUCTION IS REQUIRED TO PATCH OR ALIGN WITH EXISTING CONSTRUCTION, ALIGN NEW FINISHES WITH ADJACENT EXISTING FINISHES, TYPICAL.
12. LOCATE AND PROVIDE ALL BLOCKING REQUIRED FOR INSTALLATION OF ALL MILLWORK, CASEWORK, ACCESSORIES, FURNITURE, AND EQUIPMENT, TYP.
13. **INFORM THE ARCHITECT OF ANY MOISTURE, MOLD, AND MILDEW FOUND. NOTIFY THE ARCHITECT OF WATER-DAMAGED MATERIALS WHERE FOUND TO DETERMINE THE SCOPE AND PROCEDURE FOR REPAIR.**

1 NEW FLOOR, WALL, AND CEILING FINISHES THROUGHOUT.
2 NEW FLOOR & WALL FINISHES THROUGHOUT.
3 NEW RESTROOM PARTITIONS TO EXTENTS INDICATED.
4 NEW VANITY & SINK, SEE ELEVATIONS.
5 NEW COUNTERTOP ON EXISTING CASEWORK.
6 NEW CASEWORK/WALL PARTITION W/ 5/8" GWB, ONE SIDE, TO EXTENTS INDICATED.
7 NEW 2 1/2" MTL STUD PARTITION W/ 5/8" GWB, ONE SIDE, TO EXTENTS INDICATED.
8 MATCH EXISTING WOOD WALL BASE STAIN & PROFILE, SEE DETAIL 9/8.1.
9 PROVE FINISHED OPENING IN WALL FOR EXISTING MONITOR & EQUIPMENT, SEE
10 ELEVATION.
11 NEW ROLLER SHADES, CONTRACTOR TO FIELD VERY WINDOW OPENING SIZE.
12 NEW FLOOR BOB, SEE ELECTRICAL.
13 NEW ACCENT WALL COVERING, SEE ELEVATIONS, FINISH SCHEDULE AND FINISH
SUMMARY.
14
15 ADD BLOCKING IN WALL AS REQUIRED FOR NEW GRAB BARS.
16
17 ADD BLOCKING IN WALL AS REQUIRED FOR GLASS BOARD.
18
19 ADD ALT 01: NEW FLOOR, WALL, AND CEILING FINISHES THROUGHOUT.

Occupancy Type:	Business
Area Modified:	5940 SF
All Interior Finishes:	Class C Minimum Flame Spread Rating Class A or B at exits and exit access per table 803.9 Type IIB (Assumed)
Construction Type:	Level II Alteration, Florida Existing Building Code
Compliance Method:	Existent
Firm Alarm System Status:	Existent
Fire Sprinkler System Status:	Existent
Occupant Load:	Unchanged

EXISTING EGRESS PATH TO REMAIN. NO MAJOR MODIFICATIONS WERE MADE TO THIS PROJECT'S EXISTING FLOOR PLAN. EXISTING EGRESS PATH AND OCCUPANCY HAS REMAINED INTACT.

Floor plan of the 10th floor of the University of Illinois at Chicago. The plan shows a complex arrangement of rooms, corridors, and a large central area. A label "PROJECT LOCATION" with an arrow points to a specific room in the upper right section of the plan.

Architectural site plan of the University of Illinois at Chicago campus. The plan shows various buildings, parking lots, and a large curved walkway. A red line and arrow point to a specific location on the campus, labeled "PROJECT LOCATION".

[illegible]

Client: **Florida State University**
Stone Building

Consultant:	
Project #:	19370.61
Phase:	100% Construction Documents

Seal:

ALW

Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

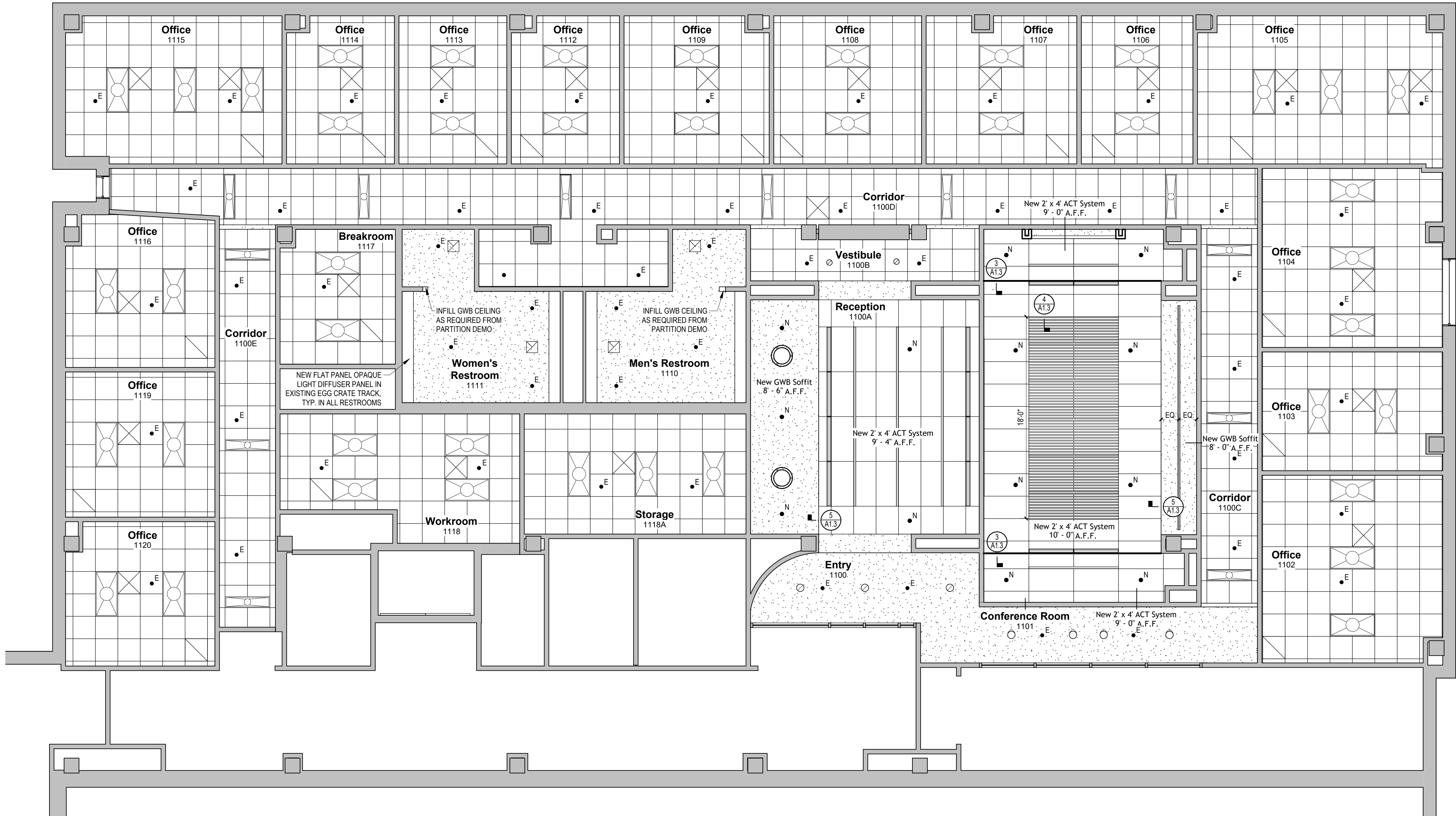
Description:
**Architectural Floor
Plan**

Sheet No.:

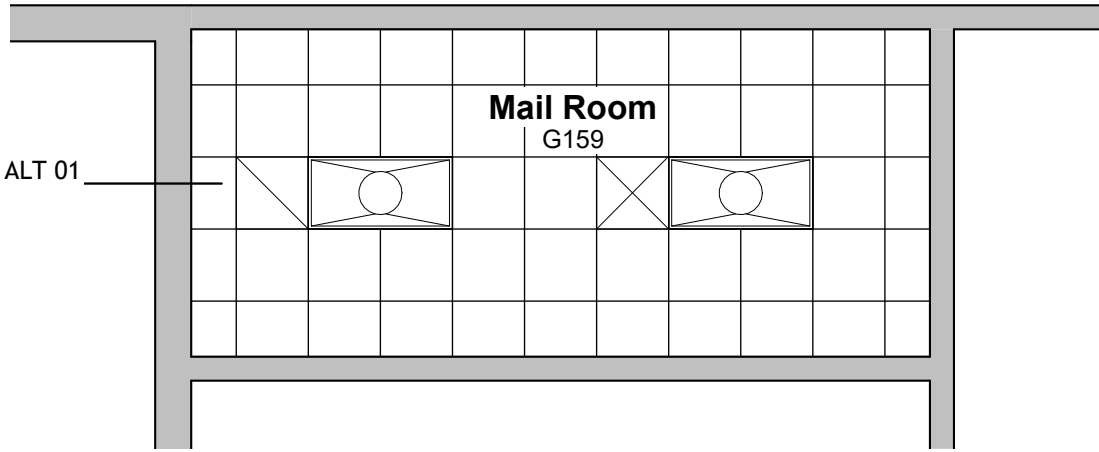
A1.1

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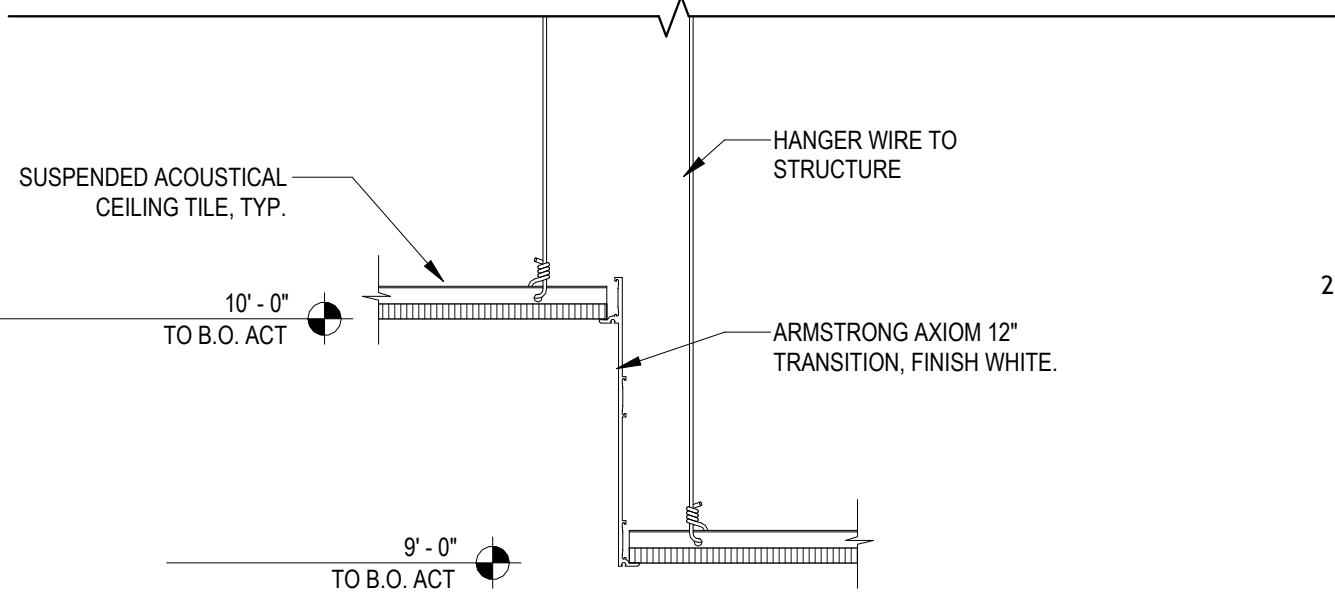
1 First Floor - Renovation RCP
3/16" = 1'-0"



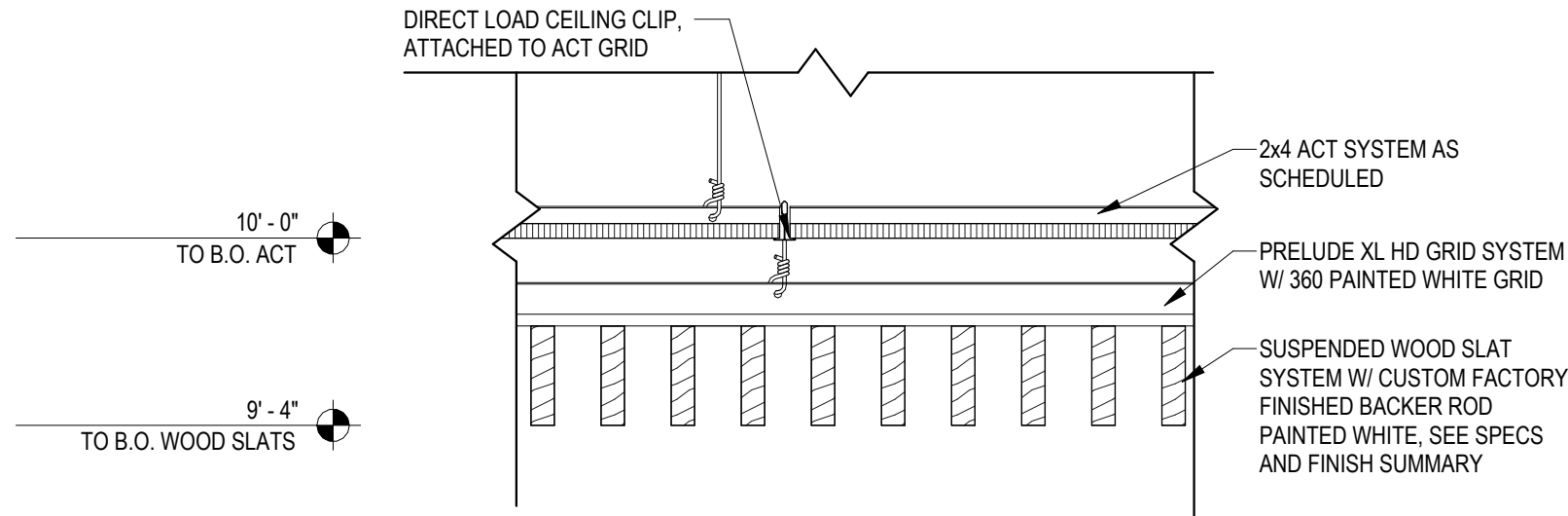
2 Ground Floor - G159 Renovation RCP - ADD ALT 01
3/16" = 1'-0"



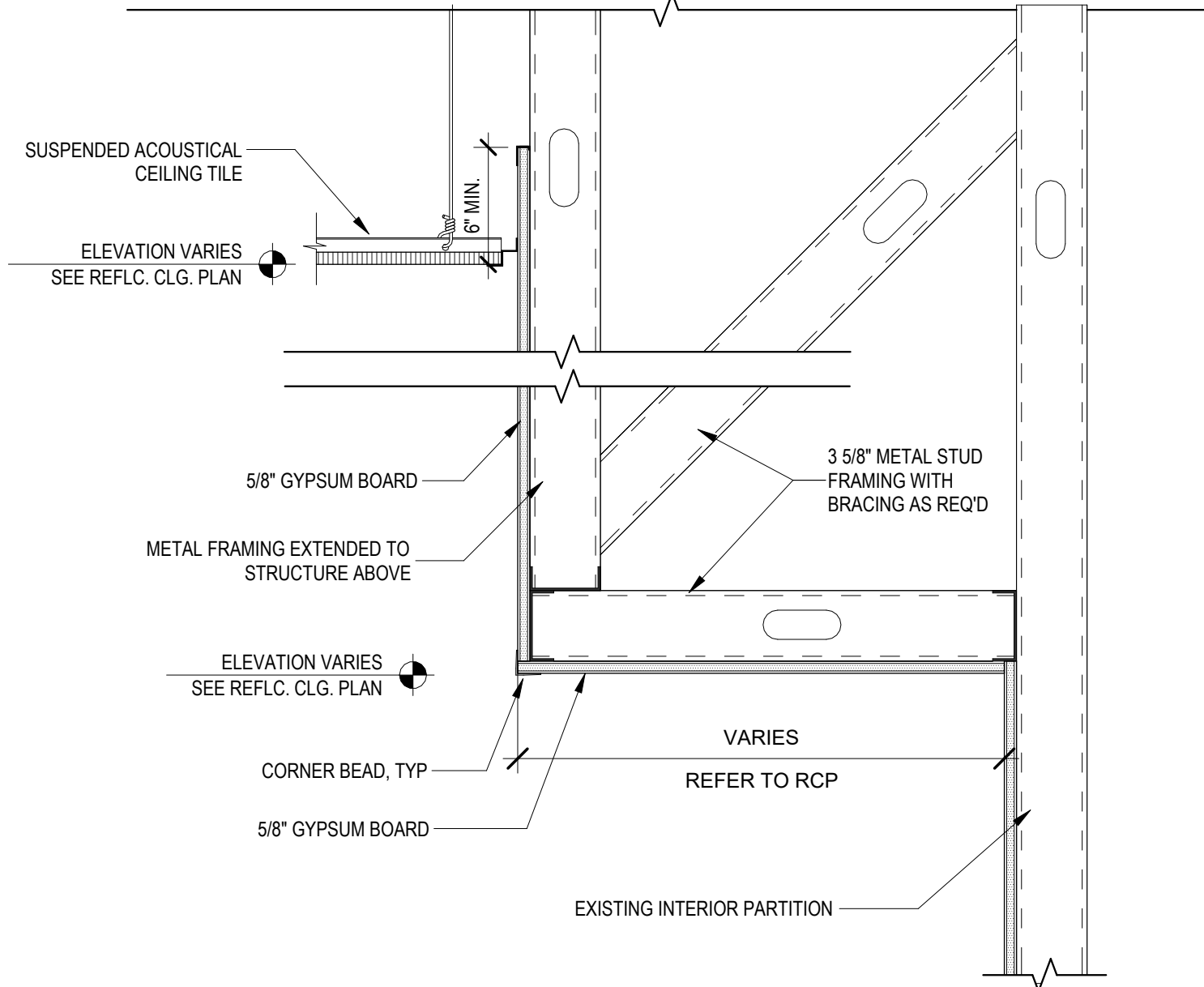
3 ACT to ACT Detail
1 1/2" = 1'-0"



4 Suspended Wood Slat Ceiling Detail
1 1/2" = 1'-0"



5 GWB Soffit to ACT Detail
1 1/2" = 1'-0"



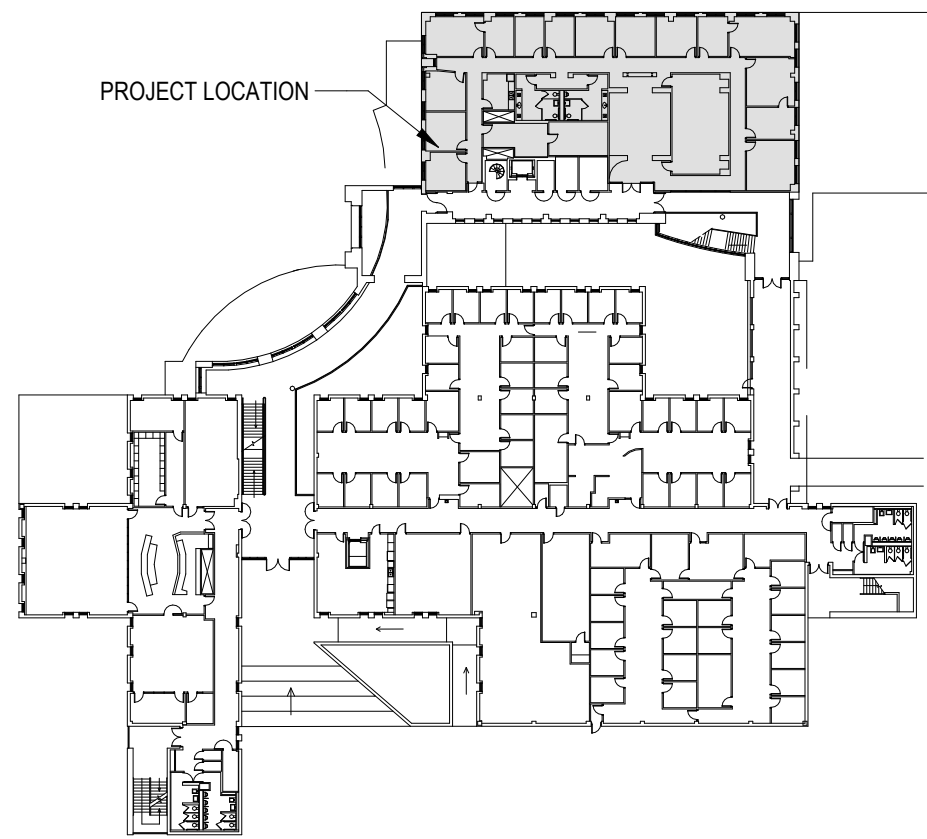
GENERAL NOTES - RCP

- A. NEW CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING AND ARE NOTED ON THE DRAWINGS AS (XX'-XX").
- B. ACOUSTICAL CEILING GRID SHALL BE CENTERED IN ROOM UNLESS OTHERWISE NOTED.
- C. CENTER LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, GRILLES, SPRINKLER HEADS, ELECTRICAL, MECHANICAL, AND OTHER DEVICES IN CEILING TILES UNLESS OTHERWISE NOTED.
- D. ALL EXISTING NEW GYPSUM BOARD CEILINGS ARE TO BE PAINTED PT.XX UNLESS OTHERWISE NOTED.
- E. BUILDING ELEMENTS INSTALLED IN DRYWALL CEILINGS SHALL BE PAINTED TO MATCH CEILING FINISH. CEILING ELEMENTS TO BE PAINTED INCLUDE ACCESS PANELS, DIFFUSERS, GRILLES AND SPEAKERS.
- F. PROVIDE RECESSED / CONCEALED SPRINKLER HEADS IN GYPSUM BOARD CEILINGS, SOFFITS AND CLOUDS UNLESS OTHERWISE NOTED.
- G. SPRINKLER HEAD LOCATIONS ARE NOT SHOWN FOR CLARITY. FIRE PROTECTION INSTALLER SHALL COORDINATE SPRINKLER HEADS. IN AREAS WITHOUT SUSPENDED CEILINGS, COORDINATE LOCATIONS OF SPRINKLER HEADS WITH HVAC DUCTS, EQUIPMENT, BEAMS, COLUMNS, LIGHTS, AND ANY OTHER OBSTRUCTIONS IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS. IN AREAS WITH SUSPENDED CEILINGS, COORDINATE SPRINKLER MAINS, RUNS, AND SPRINKLER HEAD LOCATIONS WITH OTHER WORK TO INSURE CEILING HEIGHTS, LIGHTING, DIFFUSER AND OTHER CEILING DEVICE LOCATIONS ARE MAINTAINED AS SHOWN OR AS REQUIRED TO COMPLY WITH APPLICABLE CODE REQUIREMENTS. ADVISE ARCHITECTS OF ANY CONFLICTS WHICH MUST BE RESOLVED PRIOR TO INSTALLATION.
- H. ACCESS PANELS SHOWN IN GENERAL LOCATIONS ON RCPs. CONTRACTOR TO COORDINATE AND CONFIRM FINAL ACCESS PANEL LOCATIONS WITH SPECIFIC DISCIPLINE AND SUBMIT PROPOSED LOCATIONS TO ARCHITECT FOR APPROVAL.
- I. PROVIDE CUT-OUTS AND OPENINGS FOR ITEMS WHICH PENETRATE THROUGH CEILING SYSTEMS (INCLUDING SPECIAL EQUIPMENT HANGERS AND DEVICES, CONDUIT, PIPING, ELECTRICAL REQUIREMENTS, ETC.). COORDINATE LOCATIONS WITH ARCHITECT AND SPECIFIC DISCIPLINE.
- J. CONTROL JOINTS SHALL BE INSTALLED TO DIVIDE GYPSUM CEILINGS INTO 30-FOOT MAXIMUM SINGLE LENGTHS IN ANY DIRECTION AND 900 SQUARE FEET MAXIMUM SINGLE AREA. JOINTS SHALL ALSO BE INSTALLED AT EXPANSION OR CONTRACTION JOINTS IN THE STRUCTURAL FRAMEWORK OVER WHICH GYPSUM BOARD IS REQUIRED.
- K. ROWS OF LIGHT FIXTURES TO ALIGN ACROSS ADJACENT AREAS, UNLESS OTHERWISE NOTED. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR EXACT FIXTURE TYPES.
- L. ALL STRUCTURAL AND MEP ITEMS ARE SHOWN FOR REFERENCE. REFER TO SPECIFIC DISCIPLINE FOR MORE INFORMATION.
- M. ALL CEILING MOUNTED LIGHT FIXTURES IN PROJECT AREA WITHIN SUITE 1100 TO BE A "ONE-FOR-ONE" REPLACEMENT, UNO. SEE ELECTRICAL PATCH & REPAIR ALL GYPSUM BOARD CEILINGS AS REQUIRED BEFORE INSTALL OF NEW FIXTURES. REPLACE EXISTING CEILING TILES WITH MATCHING TILE AS NEEDED FOR A CONSISTENT APPEARANCE. CONTRACTOR TO FIELD VERIFY EXISTING ACOUSTIC CEILING TILE SPEC.

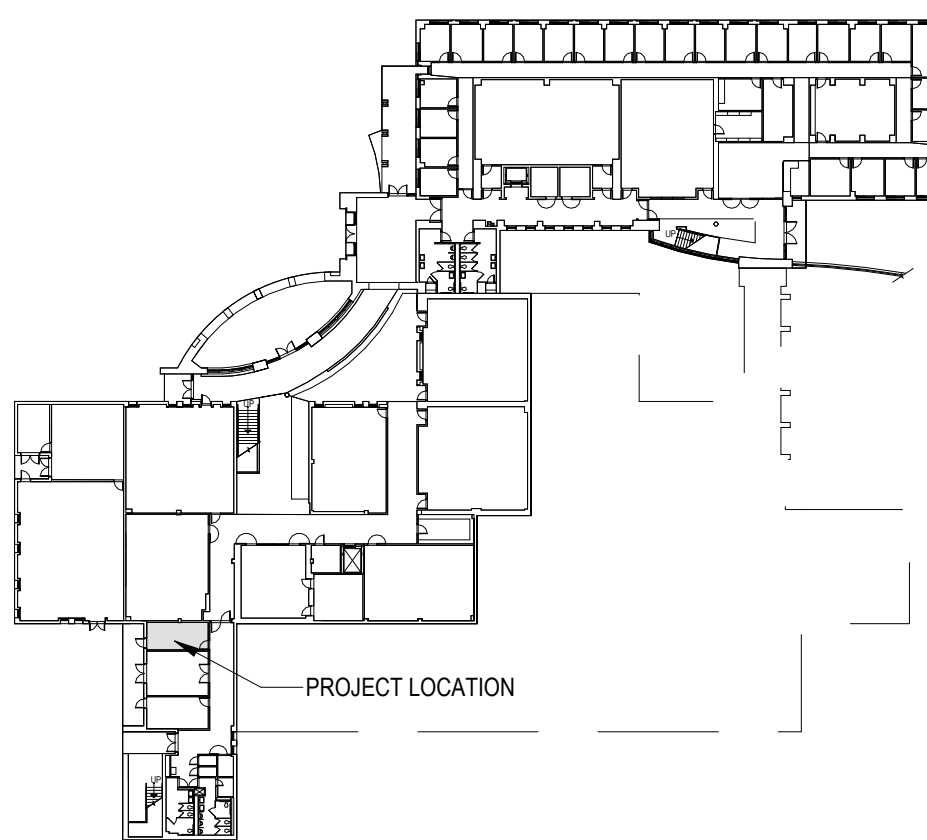
RCP LEGEND - RENOVATION

- 2x4 ACT - NEW
- 2x2 ACT - EXISTING TO REMAIN
- NEW GWB CEILINGS - PAINTED
- EXISTING GWB CEILING
- SUSPENDED WOOD SLAT CEILING W/ INTEGRATED LIGHT FIXTURES
- NEW 2X4 LED LIGHT FIXTURE
- NEW RECESSED LIGHT FIXTURE
- NEW WALL WASHER LIGHT FIXTURE
- SUPPLY AIR DIFFUSER, EXISTING TO REMAIN
- RETURN AIR GRILLE, EXISTING TO REMAIN
- ADD ALT 01: NEW SUPPLY AIR DIFFUSER
- ADD ALT 01: NEW RETURN AIR GRILLE
- NEW SUPPLY/RETURN LINEAR SLOT DIFFUSER
- LIGHT FIXTURE - LINEAR
- LIGHT FIXTURE - SUSPENDED PENDANT
- NEW SPRINKLER
- EXISTING SPRINKLER

KEY PLAN - FIRST FLOOR



KEY PLAN - GROUND FLOOR



Client: Florida State University
Stone Building
Job Title: Suite 1100 Improvements

Consultant: Project #: 19370.01
Phase: 100% Construction Documents

Seal: ALW
Architects Lewis + Whitlock
206 West Virginia St.
Tallahassee, Florida 32301
850.942.1718
www.think3d.net

Description:
Reflected Ceiling Plan

Sheet No.: A1.3

NEW RESTROOM PARTITIONS, SEE SPECIFICATIONS AND FINISH SUMMARY

GWB PAINTED, EPT-1

WALL TILE, CT-4

WALL BASE AS SCHEDULED

Dimensions: 3'-4" (height), 3'-0" MAX (width), 1'-3" MIN (width)

Callouts: A6, A3, A4, A1, A7, A11, A2, A11

Notes: 2" (height), 3'-4" (height), 3'-0" MAX (width), 1'-3" MIN (width)

GWB TO RECEIVE LEVEL 5 FINISH,
PAINTED, PT-2

ACRYLIC PANELS ON STANDOFFS
W/ COLORED GRAPHICS, QTY:6

2" HIGH MTL LETTERS ON
STANDOFFS, PAINTED GARNET &
GOLD

6" HIGH MTL LETTERS ON
STANDOFFS, PAINTED GARNET

3" HIGH TEXT, GARNET COLOR,
FLAT VINYL GRAPHIC

1 1/4" HIGH TEXT, WHITE
COLOR, FLAT VINYL GRAPHIC,
TYP. UNDER ALL PANELS

RB WALL BASE

DEPARTMENT OF
VISUAL DESIGN

DEPARTMENT OF
LEARNING SYSTEMS

DEPARTMENT OF
MANAGEMENT

DEPARTMENT OF
HEALTH SERVICES

SCHOOL OF
TEACHER EDUCATION

FSU
ANNE'S COLLEGE
COLLEGE OF EDUCATION,
HEALTH, AND HUMAN SCIENCES

4
A1.3

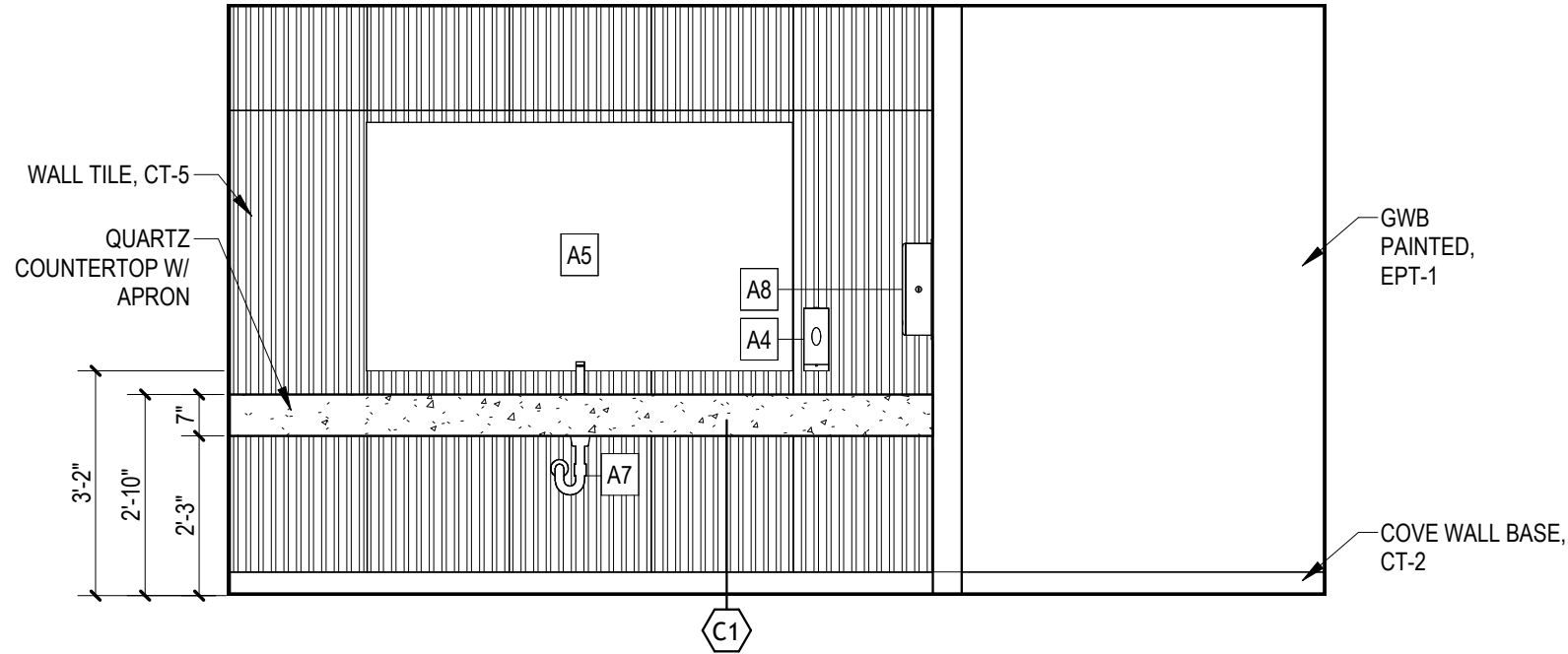
9'-4"

SUSPENDED WOOD
SLATS W/ INTEGRATED
LED LIGHTING, SEE
ELECTRICAL.

GWB PAINTED PT-1
TYP.

EXISTING WD WALL
BASE, TYP.

GLASS BOARD BY OWNER, CONTRACTOR
TO PROVIDE BLOCKING AS REQUIRED



Architectural elevation drawing of a kitchen wall and cabinetry. The drawing shows a wall with a resilient wall base, a quartz countertop, and various cabinets. Dimensions are provided for heights and widths. Callouts identify materials and components.

Dimensions:

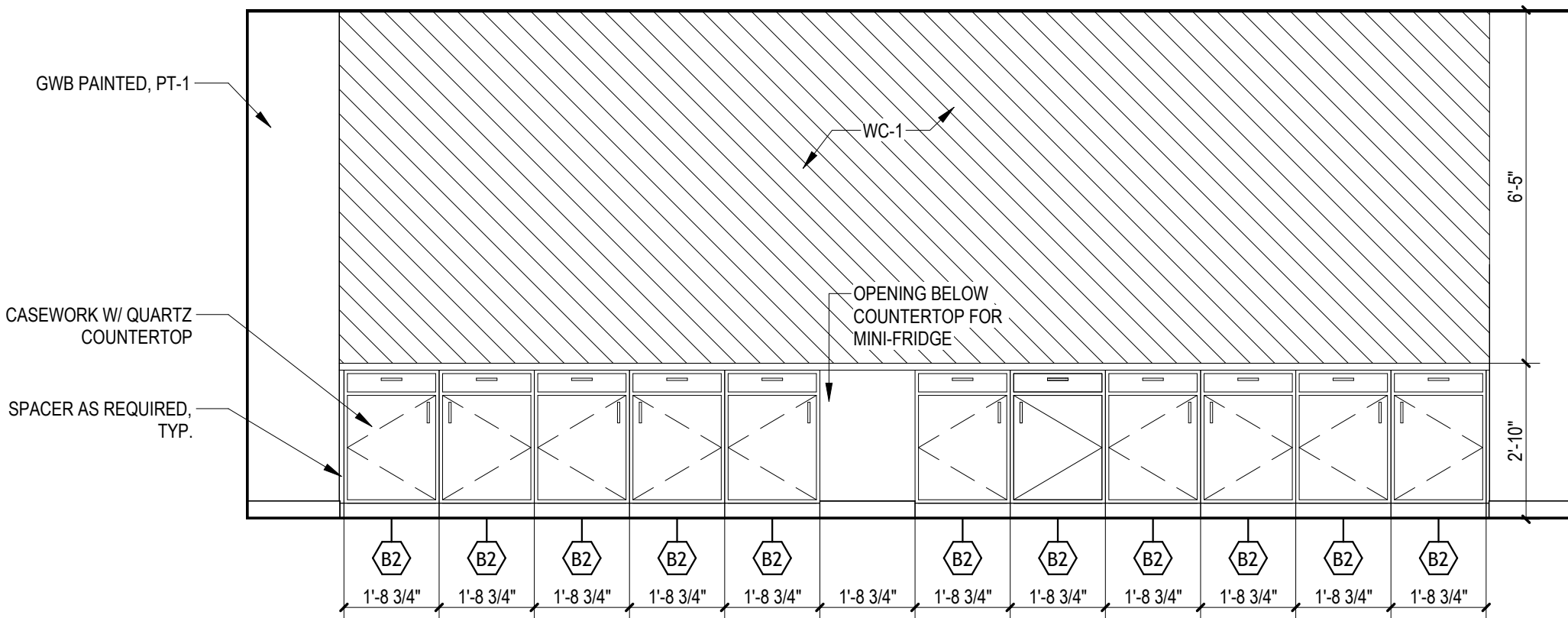
- Overall height: 5'-9"
- Spacer height: 2'-10"
- Countertop height: 1'-5"
- Base cabinet height: 2'-0"
- Wall cabinet height: 4'-0"
- Overall width: 2'-8" CLR
- Individual cabinet widths: 2'-8", 1'-6", 2'-0", 2'-8"

Callouts and Materials:

- SPACER AS REQUIRED
- EQUIPMENT BY OWNER
- RESILIENT WALL BASE AS SCHEDULED
- GWB PAINTED, PT-1
- CORNER WALL CABINET
- EAST UPPER WALL CABINETS
- PLAM WALL CABINETS
- TILE BACKSPLASH, CT-3
- QUARTZ COUNTERTOP
- CORNER BASE CABINET
- PLAM BASE CABINETS
- EAST BASE CABINETS

Notes:

- W1
- B1
- B2

[illegible]

Architectural elevation drawing of a wall section. The wall is labeled "GWB PAINTED, PT-1" and "RB WALL BASE". Two pendant light fixtures are shown, labeled "PENDANT LIGHT FIXTURES, SEE ELECTRICAL". The fixtures are 1'-0" high. The distance from the left edge to the first fixture is 5'-0". The distance between the fixtures is 10'-10 3/4". The distance from the second fixture to the right edge is 5'-0". A diagonal line is labeled "WC-2".

Technical drawing of a wall graphic. The drawing shows a rectangular wall section with a horizontal base. The overall height is 8'-0" and the overall width is 15'-9 13/16". The wall is divided into two main sections by a vertical line. The left section is 5'-2" high and 2'-10" wide. The right section is 8'-0" high and 15'-9 13/16" wide. The wall is labeled 'FLAT VINYL WALL GRAPHIC, FULL COLOR, FLOOR-TO-CEILING, CORNER-TO-CORNER.' The wall is also labeled 'GWB TO RECEIVE LEVEL 5 FINISH PRIOR TO GRAPHIC INSTALLATION.' The wall is labeled 'GWB SOFFIT, PAINTED PT-4 TYP.' and 'GWB PAINTED PT-1 TYP.'. The wall is labeled 'EAST WALL CASEWORK' and 'EXISTING WD WALL BASE, TYP.'. The wall is labeled 'GWB SOFFIT, PAINTED PT-4 TYP.' and 'GWB PAINTED PT-1 TYP.'. The wall is labeled 'EAST WALL CASEWORK' and 'EXISTING WD WALL BASE, TYP.'. The wall is labeled 'GWB TO RECEIVE LEVEL 5 FINISH PRIOR TO GRAPHIC INSTALLATION.' and 'FLAT VINYL WALL GRAPHIC, FULL COLOR, FLOOR-TO-CEILING, CORNER-TO-CORNER.'.

*FSU TO PROVIDE FINAL GRAPHICS FOR FABRICATION. ALL FONTS TO BE COMPLIANT WITH FSU BRAND GUIDELINES. PROVIDE SHOP DRAWINGS FOR DESIGNERS REVIEW AND APPROVAL.

[illegible]

A8.1

8/28/2025 7:48:53 AM

REMARKS:

1. EXISTING WOOD WALL BASE TO REMAIN. CONTRACTOR TO ABUT NEW FLOORING TO EXISTING BASE AND PROVIDE COLOR MATCH SEALANT AT ALL JOINTS.
2. NEW WOOD WALL BASE TO MATCH EXISTING WOOD BASE SPECIES, STAIN, AND PROFILE. CONTRACTOR TO SALVAGE EXISTING WOOD BASE BEHIND LOCATION OF NEW WALL AND RELOCATE TO NEW WALL UNTIL REMOVAL OF WALL SPACE WITH NEW WOOD BASE. CONTRACTOR TO PROVIDE STAIN SUBMITTAL ON WOOD SPECIES TO DESIGNER FOR REVIEW AND APPROVAL.
3. ENTIRE SCOPE OF ROOM TO BE ADD AL. 01.
4. LVT TO BE INSTALLED PLAN EASTWEST, VERTICAL ASHLAR.
5. SEE FINISH FLOOR PLAN FOR LOCATION OF ACCENT PAINT COLOR. FINAL ACCENT COLOR SELECTION TO BE DETERMINED FROM 2 OPTIONS, PT-2 OR PT-3. CONTACT DESIGNER FOR SELECTION OF EACH ROOM.
6. CEILINGS TO HAVE EPOXY PAINT, EPT-4.
7. FLAT VINYL WALL GRAPHIC IN THIS ROOM. SEE INTERIOR ELEVATIONS.

Architectural floor plan of the 1100 level. The plan includes the following rooms and areas:

- Office 1108, 1107, 1106, 1105, 1104, 1103, 1102:** Offices with various finishes including PT-X and WC-3.
- Conference Room 1101:** A large central room with PT-2 and WC-1 finishes.
- Reception 1100A:** Located near the Entry, with Full Tile and Schluter Transition finishes.
- Vestibule 1100B:** Adjacent to the Reception area, with Full Carpet Tile and Full Tile finishes.
- Corridor 1100C:** A central hallway with PT-X finish.
- Entry 1100:** The main entrance area with Existing Porcelain Tile to Remain.
- WC-1, WC-2, WC-3:** Restrooms located throughout the plan.

Key finish callouts include:

- FULL CARPET TILE HERE
- FULL TILE HERE
- SCHLUTER TRANSITION
- EXISTING PORCELAIN TILE TO REMAIN

A. ALL FLOOR FINISH TRANSITIONS TO OCCUR AT CENTERLINE OF DOOR UNLESS OTHERWISE NOTED.
B. VERIFY LOCATIONS OF ALL APPLIED WALL MATERIALS ON ELEVATIONS.
C. ALL GYPSUM BOARD WALLS TO RECEIVE PAINT WITH EGGSHELL FINISH, UNLESS OTHERWISE NOTED.
D. SEMI-GLOSS TO BE USED IN "WET" LOCATIONS SUCH AS RESTROOMS, DRINKING FOUNTAINS, ETC.
E. ALL RESTROOM CEILING TO BE EPOXY PAINT EPT-XX.
F. ALL TRIM AND HOLLOW METAL DOOR FRAMES TO BE PAINTED SAME COLOR AS ADJACENT WALL & SEMI-GLOSS FINISH.
G. PAINT ALL BUILDING ELEMENTS MOUNTED IN INTERIOR PARTITIONS TO MATCH WALL FINISH. PAINTED BUILDING ELEMENTS INCLUDE ACCESS PANELS, DIFFUSERS, GRILLES, AND SPEAKERS.
H. REFER TO FINISH PLAN FOR FLOOR INSTALL DIRECTION AND PATTERN ORIGIN.

 PORCELAIN MOSAIC TILE

 LVT

 CARPET TILE

 WALL COVERING/ACCENT PAINT LOCATION

