### **DIVISION 01 - GENERAL REQUIREMENTS SECTION 011000**

### PART 1 GENERAL 1.01 PROJECT

- A. Project Name: FSU Stone Building Suite 1100 Office Improvements
- B. Owner's Name: Florida State University.
- C. Architect's Name: Architects Lewis + Whitlock, PA.
- D. The project scope includes interior renovation of adding walls to create a protected receptionist alcove and improvements
- 1.02 OWNER OCCUPANCY A. Owner intends to continue to occupy adjacent portions of the existing building during the entire construction period.
- B. Owner intends to occupy the Project upon Substantial Completion
- C. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.

#### D. Schedule the Work to accommodate Owner occupancy. 1.03 CONTRACTOR USE OF SITE AND PREMISES

- Construction Operations: Limited to areas agreed upon between Owner and Contractor.
- 1. Locate and conduct construction activities in ways that will limit disturbance to site.
- B. Arrange use of site and premises to allow:
- Owner occupancy 2. Work by Others.
- Work by Owner. Use of site and premises by the public.
- C. Provide access to and from site as required by law and by Owner: 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period,
- provide temporary exit signs if exit routes are temporarily altered. 2. Do not obstruct roadways, sidewalks, or other public ways without permit.
- D. Utility Outages and Shutdown:
- Do not disrupt or shut down life safety systems, including but not limited to fire sprinklers and fire alarm system, without 7 days notice to Owner and authorities having jurisdiction

**END OF SECTION** 

**ALTERNATES** 

#### 2. Prevent accidental disruption of utility services to other facilities. PART 2 PRODUCTS - NOT USED

## PART 3 EXECUTION - NOT USED

## **SECTION 012300**

### **PART 1 GENERAL**

- 1.01 SECTION INCLUDES
- A. Description of Alternates. B. Procedures for pricing Alternates.
- 1.02 ACCEPTANCE OF ALTERNATES
- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be
- identified in the Owner-Contractor Agreement. B. Coordinate related work and modify surrounding work to integrate the Work of each Alternate

## 1.03 SCHEDULE OF ALTERNATES

- A. Alternate No. 1 Ground Floor Mailroom Room G159
- Base Bid Item: Only Suite 1100 to be in project scope. 2. Alternate Item: Ground floor mailroom, room G159, to be included in project scope. Scope to include new floor, wall,
- and ceiling finishes, including required mechanical and electrical upgrades.
- B. Alternate No. 2 Test & Balance of Suite 1100 Base Bid Item: Mechinacal contractor shall provide a test and balance to rooms 1100A and 1101 only
- Alternate Item: Mechanical contractor shall provide test and balance to all the rooms and spaces of Suite 1100.
- Supply air flows are shown at the new and existing diffusers. C. Alternate No. 3 - Plumbing Fixtures in Restrooms
- 1. Base Bid Item: Replace faucets and flush valves only, wall-mounted plumbing fixtures in restrooms 1111 and 110 to
- 2. Alternate Item: Demolish and replace the toilets, urinals, and lavatories in restrooms 1110 and 1111. The new fixtures are included in the plumbing schedule.

## PART 2 PRODUCTS - NOT USED

## PART 3 EXECUTION - NOT USED

# **END OF SECTION**

#### **SECTION 012500** SUBSTITUTION PROCEDURES

#### **PART 1 GENERAL** 1.01 SECTION INCLUDES

- A. Procedural requirements for proposed substitutions.
- 1.02 RELATED REQUIREMENTS
- A. Section 012300 Alternates, for product alternatives affecting this section.
- B. Section 013000 Administrative Requirements: Submittal procedures, coordination.
- C. Section 016000 Product Requirements: Fundamental product requirements, product options, delivery, storage, and

## 1.03 DEFINITIONS

- A. Substitutions: Changes from Contract Documents requirements proposed by Contractor to materials, products, assemblies, and equipment.
- PART 2 PRODUCTS NOT USED

## PART 3 EXECUTION

- 3.01 GENERAL REQUIREMENTS
- A. A Substitution Request for products, assemblies, materials, and equipment constitutes a representation that the submitter 1. Has investigated proposed product and determined that it meets or exceeds the quality level of the specified product, equipment, assembly, or system
  - Agrees to provide the same warranty for the substitution as for the specified product.
  - 3. Agrees to provide same or equivalent maintenance service and source of replacement parts, as applicable.
  - 4. Agrees to coordinate installation and make changes to other work that may be required for the work to be complete,
- with no additional cost to Owner.
- 5. Waives claims for additional costs or time extension that may subsequently become apparent. 6. Agrees to reimburse Owner and Architect for review or redesign services associated with re-approval by authorities. B. Document each request with complete data substantiating compliance of proposed substitution with Contract Documents. Burden of proof is on propose
- 1. Note explicitly any non-compliant characteristics. C. Content: Include information necessary for tracking the status of each Substitution Request, and information necessary to
  - provide an actionable response. 1. No specific form is required. Contractor's Substitution Request documentation must include the following:
  - a. Project Information Official project name and number, and any additional required identifiers established in Contract
  - Documents. b. Substitution Request Information: Discrete and consecutive Substitution Request number, and descriptive subject/title.
  - Indication of whether the substitution is for cause or convenience. Issue date
  - Description of Substitution
  - 4) Reference to particular Contract Document(s) specification section number, title, and article/paragraph(s).
  - Reason why the specified item cannot be provided.
  - Differences between proposed substitution and specified item. 8) Description of how proposed substitution affects other parts of work.
  - c. Attached Comparative Data: Provide point-by-point, side-by-side comparison addressing essential attributes

  - specified, as appropriate and relevant for the item: Physical characteristics.
  - In-service performance. 3) Expected durability.
  - 4) Visual effect.
  - Sustainable design features.
  - 6) Warranties.

- Other salient features and requirements.
- d. Impact of Substitution
- Savings to Owner for accepting substitution 2) Change to Contract Time due to accepting substitution.
- D. Limit each request to a single proposed substitution item. Submit an electronic document, combining the request form with supporting data into single document.

## 3.02 SUBSTITUTION PROCEDURES DURING PROCUREMENT

- A. Owner / Architect will consider requests for substitutions only if submitted at least 10 days prior to the date for receipt of
- 3.03 SUBSTITUTION PROCEDURES DURING CONSTRUCTION A. Submit request for Substitution for Cause immedately upon discovery of need for substitution, but not later than 14 days
- prior to time required for review and approval by Architect, in order to stay on approved project schedule.
- B. Substitutions will not be considered under one or more of the following circumstances 1. When they are indicated or implied on shop drawing or product data submittals, without having received prior
- 2. Without a separate written request.

#### When acceptance will require revisions to the Contract Documents. 3.04 RESOLUTION

- A. Architect may request additional information and documentation prior to rendering a decision. Provide this data in an
- B. Architect will notify Contractor in writing of decision to accept or reject request. 1. Architect's decision following review of proposed substitution will be noted on the submitted form.

## 3.05 ACCEPTANCE

#### A. Accepted substitutions change the work of the Project. They will be documented and incorporated into work of the project by Change Order, Construction Change Directive, Architectural Supplementary Instructions, or similar instruments provided for in the Conditions of the Contract.

#### **END OF SECTION**

#### **SECTION 013000 ADMINISTRATIVE REQUIREMENTS**

#### PART 1 GENERAL 1.01 SECTION INCLUDES

- A. Electronic document submittal service.
- B. Preconstruction meeting.
- C. Progress meetings.
- D. Coordination drawings. E. Submittals for review, information, and project closeout.
- F. Number of copies of submittals.

#### G. Submittal procedures. PART 2 PRODUCTS - NOT USED

#### PART 3 EXECUTION 3.01 ELECTRONIC DOCUMENT SUBMITTAL SERVICE

- A. All documents transmitted for purposes of administration of the contract are to be in electronic (PDF) format.
- 1. This procedure applies to requests for information (RFIs), shop drawings, information submittals, field reports, meeting minutes, and any other document any participant wishes to make part of the project record.
- 2. It is Contractor's responsibility to submit documents in allowable format.
- Paper document transmittals will not be reviewed. 4. All other specified submittal and document transmission procedures apply, except that electronic document
- requirements do not apply to samples or color selection charts. 3.02 PRECONSTRUCTION MEETING
- A. Schedule meeting after Notice of Award.
- B. Attendance Required:
- Owner. Architect.
- Contractor.
- Submission of list of subcontractors, list of products, schedule of values, and progress schedule Designation of personnel representing the parties to Contract.
- D. Record minutes and distribute copies within two days after meeting to participants, with copies to Architect, Owner, participants, and those affected by decisions made.
- 3.03 PROGRESS MEETINGS A. Schedule and administer meetings throughout progress of the Work at maximum Bi-weekly intervals.
- B. Make arrangements for meetings, prepare agenda with copies for participants, preside at meetings.
- C. Attendance Required:
  - Contractor.
- Owner. Architect. 4. Contractor's superintendent.
- D. Agenda:
- 1. Review minutes of previous meetings. Review of work progress.
- Field observations, problems, and decisions. Identification of problems that impede, or will impede, planned progress.
- 5. Review of submittals schedule and status of submittals. 6. Review of RFIs log and status of responses. 7. Maintenance of progress schedule.
- 8. Corrective measures to regain projected schedules 9. Planned progress during succeeding work period.
- 10. Maintenance of quality and work standards. 11. Effect of proposed changes on progress schedule and coordination.
- 12. Other business relating to work.
- E. Record minutes and distribute copies within two days after meeting to participants, with copies to Architect, Owner, participants, and those affected by decisions made.

## 3.04 SUBMITTAL SCHEDULE

- A. Submit to Architect for review a schedule for submittals in tabular format.
- 1. Coordinate with Contractor's construction schedule and schedule of values. 2. Format schedule to allow tracking of status of submittals throughout duration of construction.
- 3. Arrange information to include scheduled date for initial submittal, specification number and title, submittal category (for review or for information), description of item of work covered, and role and name of subcontractor. 4. Account for time required for preparation, review, manufacturing, fabrication and delivery when establishing submittal
- delivery and review deadline dates. a. For assemblies, equipment, systems comprised of multiple components and/or requiring detailed coordination with other work, allow for additional time to make corrections or revisions to initial submittals, and time for their

## 3.05 SUBMITTALS FOR REVIEW

- A. When the following are specified in individual sections, submit them for review:
- Product data. Shop drawings.
- Samples for verification.
- B. Submit to Architect for review for the limited purpose of checking for compliance with information given and the design concept expressed in the contract documents
- C. Samples will be reviewed for aesthetic, color, or finish selection.
- D. After review, provide copies and distribute in accordance with SUBMITTAL PROCEDURES article below and for record documents purposes described in Section 017800 - Closeout Submittals.

## 3.06 SUBMITTALS FOR INFORMATION

- A. When the following are specified in individual sections, submit them for information:
- . Design data. Certificates.
- Test reports.
- Inspection reports. Manufacturer's instructions
- Manufacturer's field reports. Other types indicated.
- B. Submit for Architect's knowledge as contract administrator or for Owner.

# 3.07 SUBMITTALS FOR PROJECT CLOSEOUT

- A. Submit Correction Punch List for Substantial Completion B. Submit Final Correction Punch List for Substantial Completion
- C. When the following are specified in individual sections, submit them at project closeout in compliance with requirements of Section 017800 - Closeout Submittals:
- Project record documents.
- Operation and maintenance data Warranties.
- 5. Other types as indicated. D. Submit for Owner's benefit during and after project completion.

- 3.08 NUMBER OF COPIES OF SUBMITTALS A. Electronic Documents: Submit one electronic copy in PDF format; an electronically-marked up file will be returned.
- Create PDFs at native size and right-side up; illegible files will be rejected. B. Samples: Submit the number specified in individual specification sections; one of which will be retained by Architect. After review, produce duplicates.

## Retained samples will not be returned to Contractor unless specifically so stated.

3.09 SUBMITTAL PROCEDURES A. General Requirements:

#### **END OF SECTION**

**SECTION 014000** 

**QUALITY REQUIREMENTS** 

## PART 1 GENERAL

- 1.01 SECTION INCLUDES
- A. Submittals. B. Quality assurance.
- C. Testing and inspection agencies and services.
- D. Contractor's design-related professional design services. E. Control of installation.
- F. Mock-ups.
- G. Tolerances
- H. Manufacturers' field services. Defect Assessment.
- 1.02 REFERENCE STANDARDS A. ASTM C1021 - Standard Practice for Laboratories Engaged in Testing of Building Sealants; 2008 (Reapproved 2023). B. ASTM C1077 - Standard Practice for Agencies Testing Concrete and Concrete Aggregates for Use in Construction and
- Criteria for Testing Agency Evaluation; 2025a. C. ASTM C1093 - Standard Practice for Accreditation of Testing Agencies for Masonry; 2023.
- D. ASTM D3740 Standard Practice for Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil
- and Rock as Used in Engineering Design and Construction; 2023. E. ASTM E329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection;

#### F. ASTM E543 - Standard Specification for Agencies Performing Nondestructive Testing; 2021. 1.03 CONTRACTOR'S DESIGN-RELATED PROFESSIONAL DESIGN SERVICES

- A. Coordination: Contractor's professional design services are subject to requirements of project's Conditions for
- B. Base design on performance and/or design criteria indicated in individual specification sections. C. Scope of Contractor's Professional Design Services: Provide for the following items of work: Structural Design of Metal Framing: As described in Section 054000 - Cold-Formed Metal Framing

#### Structural Design Calculations for Exterior Assemblies: As described in Section 084126 - All-Glass Entrances and Storefronts.

- A. See Section 013000 Administrative Requirements, for submittal procedures.
- B. Design Data: Submit for Architect's knowledge as contract administrator for the limited purpose of assessing compliance with information given and the design concept expressed in the Contract Documents, or for Owner's information.
  - a. Date issued. Project title and number.
  - Date and time of sampling or inspection. Identification of product and specifications section.

Name of inspector.

- Location in the Project. Type of test/inspection.
- Date of test/inspection. Results of test/inspection Compliance with Contract Documents.
- When requested by Architect, provide interpretation of results.

C. Test Reports: After each test/inspection, promptly submit two copies of report to Architect and to Contractor.

D. Certificates: When specified in individual specification sections, submit certification by the manufacturer and Contractor or installation/application subcontractor to Architect, in quantities specified for Product Data. Indicate material or product complies with or exceeds specified requirements. Submit supporting reference data,

#### A. Designer Qualifications: Where professional engineering design services and design data submittals are specifically required of Contractor by Contract Documents, provide services of a Professional Engineer experienced in design of this

affidavits, and certifications as appropriate.

type of work and licensed in the State in which the Project is located. 1.06 TESTING AND INSPECTION AGENCIES AND SERVICES A. Contractor shall employ and pay for services of an independent testing agency to perform other specified testing.

B. Employment of agency in no way relieves Contractor of obligation to perform Work in accordance with requirements of

- Contract Documents. C. Contractor Employed Agency:
- Testing agency: Comply with requirements of ASTM E329, ASTM E543, ASTM C1021, ASTM C1077, ASTM

#### 2. Laboratory: Authorized to operate in the State in which the Project is located. PART 2 PRODUCTS - NOT USED

distortion, and disfigurement.

3.03 TOLERANCES

1.05 QUALITY ASSURANCE

#### PART 3 EXECUTION 3.01 CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce B. Comply with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect before

B. Accepted mock-ups establish the standard of quality the Architect will use to judge the Work.

- D. Comply with specified standards as minimum quality for the work except where more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Have work performed by persons qualified to produce required and specified quality. F. Verify that field measurements are as indicated on shop drawings or as instructed by the manufacturer. G. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical
- 3.02 MOCK-UPS A. Before installing portions of the Work where mock-ups are required, construct mock-ups in location and size indicated for each form of construction and finish required to comply with the following requirements, using materials indicated for the

completed Work. The purpose of mock-up is to demonstrate the proposed range of aesthetic effects and workmanship.

- C. Notify Architect and owners representaive seven (7) working days in advance of dates and times when mock-ups will be constructed.
- D. Tests shall be performed under provisions identified in this section and identified in the respective product specification
- F. Architect will use accepted mock-ups as a comparison standard for the remaining Work. G. Where mock-up has been accepted by Architect and is specified in product specification sections to be removed, protect mock-up throughout construction, remove mock-up and clear area when directed to do so by Architect.

E. Assemble and erect specified items with specified attachment and anchorage devices, flashings, seals, and finishes.

- A. Monitor fabrication and installation tolerance control of products to produce acceptable Work. Do not permit tolerances to

### C. Adjust products to appropriate dimensions; position before securing products in place.

- 3.04 MANUFACTURERS' FIELD SERVICES A. When specified in individual specification sections, require material or product suppliers or manufacturers to provide
- of equipment, test, adjust, and balance equipment as applicable, and to initiate instructions when necessary. B. Report observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to
- 3.05 DEFECT ASSESSMENT

# **END OF SECTION**

#### PART 1 GENERAL

- 1.01 SECTION INCLUDES
- B. Sustainable design-related product requirements.
- C. Transportation, handling, storage and protection.
- E. Substitution limitations.

- 1.02 RELATED REQUIREMENTS A. Section 012500 - Substitution Procedures: Substitutions made during procurement and/or construction phases.
- B. Section 016116 Volatile Organic Compound (VOC) Content Restrictions: Requirements for VOC-restricted product
- product selection, packaging and substitutions.
- A. Product Data Submittals: Submit manufacturer's standard published data. Mark each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information specific to

B. Shop Drawing Submittals: Prepared specifically for this Project; indicate utility and electrical characteristics, utility

connection requirements, and location of utility outlets for service for functional equipment and appliances C. Sample Submittals: Illustrate functional and aesthetic characteristics of the product, with integral parts and attachment devices. Coordinate sample submittals for interfacing work.

### PART 2 PRODUCTS 2.01 EXISTING PRODUCTS

- B. Existing materials and equipment indicated to be removed, but not to be re-used, relocated, reinstalled, delivered to the Owner, or otherwise indicated as to remain the property of the Owner, become the property of the Contractor; remove
- 2.02 NEW PRODUCTS
- C. Use of products having any of the following characteristics is not permitted: Made using or containing CFC's or HCFC's.
- 3. Containing lead, cadmium, or asbestos.
- Are made of recycled materials. If made of wood, are made of sustainably harvested wood, wood chips, or wood fiber. If bio-based, other than wood, are or are made of Sustainable Agriculture Network certified products.

## 8. Have a published Environmental Product Declaration (EPD).

- 9. Have a published Health Product Declaration (HPD). 2.03 PRODUCT OPTIONS
- meeting specifications, no options or substitutions allowed.

#### 2.04 MAINTENANCE MATERIALS A. Furnish extra materials, spare parts, tools, and software of types and in quantities specified in individual specification

- B. Deliver to Project site; obtain receipt prior to final payment. PART 3 EXECUTION
- A. See Section 012500 Substitution Procedures. 3.02 TRANSPORTATION AND HANDLING A. Package products for shipment in manner to prevent damage; for equipment, package to avoid loss of factory calibration.
- damage to stored materials. D. Transport and handle products in accordance with manufacturer's instructions. E. Transport materials in covered trucks to prevent contamination of product and littering of surrounding areas.
- G. Provide equipment and personnel to handle products by methods to prevent soiling, disfigurement, or damage, and to
- B. Store and protect products in accordance with manufacturers' instructions.

placed convenient to work area in order to minimize waste due to excessive materials handling and misapplication. See

- D. Store sensitive products in weathertight, climate-controlled enclosures in an environment favorable to product. E. For exterior storage of fabricated products, place on sloped supports above ground.
- temperature, sunlight and ultraviolet light, dirt, dust, and other contaminants.

H. Comply with manufacturer's warranty conditions, if any.

- J. Store loose granular materials on solid flat surfaces in a well-drained area. Prevent mixing with foreign matter.

- B. Comply with manufacturers' tolerances. Should manufacturers' tolerances conflict with Contract Documents, request
- clarification from Architect before proceeding.
- qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up
- manufacturers' written instructions.

A. Replace Work or portions of the Work not complying with specified requirements.

# **SECTION 016000**

- PRODUCT REQUIREMENTS
- A. General product requirements.
- D. Product option requirements
- F. Maintenance materials, including extra materials, spare parts, tools, and software.
- C. Section 017419 Construction Waste Management and Disposal: Waste disposal requirements potentially affecting
- 1. For selection from standard finishes, submit samples of the full range of the manufacturer's standard colors, textures

## A. Do not use materials and equipment removed from existing premises unless specifically required or permitted by the

- A. Provide new products unless specifically required or permitted by the Contract Documents. B. All new exterior envelope products must be Florida Product Approved. Provide Notice of Acceptance documentation with
- Made of wood from newly cut old growth timber.
- D. Where other criteria are met, Contractor shall give preference to products that: 1. If used on interior, have lower emissions, as defined in Section 016116. If wet-applied, have lower VOC content, as defined in Section 016116 Are extracted, harvested, and/or manufactured closer to the location of the project.
- Are Cradle-to-Cradle Certified.
- A. Products Specified by Reference Standards or by Description Only: Use any product meeting those standards or

B. Products Specified by Naming One or More Manufacturers: Use a product of one of the manufacturers named and

- C. Products Specified by Naming One or More Manufacturers with a Provision for Substitutions: Submit a request for substitution for any manufacturer not named.

minimize handling.

- 3.01 SUBSTITUTION LIMITATIONS
- B. If special precautions are required, attach instructions prominently and legibly on outside of packaging. C. Coordinate schedule of product delivery to designated prepared areas in order to minimize site storage time and potential
- F. Promptly inspect shipments to ensure that products comply with requirements, quantities are correct, and products are
- H. Arrange for the return of packing materials, such as wood pallets, where economically feasible. 3.03 STORAGE AND PROTECTION A. Designate receiving/storage areas for incoming products so that they are delivered according to installation schedule and
- C. Store with seals and labels intact and legible.
- G. Protect products from damage or deterioration due to construction operations, weather, precipitation, humidity,
- I. Cover products subject to deterioration with impervious sheet covering. Provide ventilation to prevent condensation and degradation of products.
- K. Prevent contact with material that may cause corrosion, discoloration, or staining.

F. Provide off-site storage and protection when site does not permit on-site storage or protection.

- L. Provide equipment and personnel to store products by methods to prevent soiling, disfigurement, or damage.
- - - Sheet No.:

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www.think3d.net

Description:

Specifications

## END OF SECTION

#### **SECTION 016116 VOLATILE ORGANIC COMPOUND (VOC) CONTENT RESTRICTIONS**

#### PART 1 GENERAL 1.01 SECTION INCLUDES

- A. Requirements for Indoor-Emissions-Restricted products.
- B. Requirements for VOC-Content-Restricted products.
- Requirement for installer certification that they did not use any non-compliant products.

### 1.02 RELATED REQUIREMENTS

A. Section 013000 - Administrative Requirements: Submittal procedures.

#### 1.03 DEFINITIONS

- A. Indoor-Emissions-Restricted Products: All products in the following product categories, whether specified or not:
- Interior paints and coatings applied on site.
- Interior adhesives and sealants applied on site. Products making up wall assemblies.
- Thermal and acoustical insulation.
- Free-standing furniture. 6. Other products when specifically stated in the specifications.
- B. VOC-Content-Restricted Products: All products in the following product categories, whether specified or not: Interior paints and coatings applied on site.
- Interior adhesives and sealants applied on site, including flooring adhesives.
- C. Interior of Building: Anywhere inside the exterior weather barrier.
- D. Adhesives: All gunnable, trowelable, liquid-applied, and aerosol adhesives, whether specified or not; including flooring adhesives, resilient base adhesives, and pipe jointing adhesives.
- E. Sealants: All gunnable, trowelable, and liquid-applied joint sealants and sealant primers, whether specified or not;
- including firestopping sealants and duct joint sealers.
- F. Inherently Non-Emitting Materials: Products composed wholly of minerals or metals, unless they include organic-based surface coatings, binders, or sealants; and specifically the following:
- 1. Metals that are plated, anodized, or powder-coated.

### 1.04 REFERENCE STANDARDS

- A. 40 CFR 59, Subpart D National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.
- B. ASTM D3960 Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings; 2005 (Reapproved 2013).
- C. BIFMA e3 Furniture Sustainability Standard; Business and Institutional Furniture Manufacturers Association; 2014.
- D. CAL (CDPH SM) Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions From Indoor
- Sources Using Environmental Chambers; California Department of Public Health; v1.1, 2010. E. CARB (SCM) - Suggested Control Measure for Architectural Coatings; California Air Resources Board; 2007.
- F. CHPS (HPPD) High Performance Products Database; Current Edition at www.chps.net/.
- G. CRI (GLP) Green Label Plus Testing Program Certified Products; www.carpet-rug.org; current edition.
- H. SCAQMD 1113 South Coast Air Quality Management District Rule No.1113; current edition.
- SCAQMD 1168 South Coast Air Quality Management District Rule No.1168; current edition. J. SCS (CPD) - SCS Certified Products; current listings at www.scscertified.com.

A. See Section 013000 - Administrative Requirements, for submittal procedures.

K. UL (GGG) - GREENGUARD Gold Certified Products; Current Edition.

- B. Product Data: For each VOC-restricted product used in the project, submit evidence of compliance.
- C. Installer Certifications Regarding Prohibited Content: Require each installer of any type of product (not just the products for which VOC restrictions are specified) to certify that either 1) no adhesives, joint sealants, paints, coatings, or composite wood or agrifiber products have been used in the installation of installer's products, or 2) that such products

## 1.06 QUALITY ASSURANCE

- A. Indoor Emissions Standard and Test Method: CAL (CDPH SM), using Standard Private Office exposure scenario and the
- allowable concentrations specified in the method, and range of total VOC's after 14 days. Wet-Applied Products: State amount applied in mass per surface area.
- Paints and Coatings: Test tinted products, not just tinting bases. 3. Evidence of Compliance: Acceptable types of evidence are the following;
- a. Current UL (GGG) certification. b. Current SCS (CPD) Floorscore certification.
- Current SCS (CPD) Indoor Advantage Gold certification. d. Current listing in CHPS (HPPD) as a low-emitting product.
- e. Current CRI (GLP) certification.

used comply with these requirements

- Test report showing compliance and stating exposure scenario used. 4. Product data submittal showing VOC content is NOT acceptable evidence.
- 5. Manufacturer's certification without test report by independent agency is NOT acceptable evidence
- B. VOC Content Test Method: 40 CFR 59, Subpart D (EPA Method 24), or ASTM D3960, unless otherwise indicated. Evidence of Compliance: Acceptable types of evidence are:
- a. Report of laboratory testing performed in accordance with requirements. C. Furnishings Emissions Standard and Test Method: BIFMA e3 Sections 7.6.1 and 7.6.2, tested in accordance with BIFMA
- 1. Evidence of Compliance:
- a. Test report showing compliance and stating exposure scenario used.
- D. Testing Agency Qualifications: Independent firm specializing in performing testing and inspections of the type specified in

## PART 2 PRODUCTS

## 2.01 MATERIALS

- A. All Products: Comply with the most stringent of federal, State, and local requirements, or these specifications. B. Indoor-Emissions-Restricted Products: Comply with Indoor Emissions Standard and Test Method, except for:
  - 1. Furnishings: Comply with Furnishings Emissions Standard and Test Method.
- 2. Inherently Non-Emitting Materials.
- C. VOC-Content-Restricted Products: VOC content not greater than required by the following: Adhesives, Including Flooring Adhesives: SCAQMD 1168 Rule.
- Joint Sealants: SCAQMD 1168 Rule. Paints and Coatings: Each color; most stringent of the following:
- a. 40 CFR 59, Subpart D. b. SCAQMD 1113 Rule.

#### c. CARB (SCM). PART 3 EXECUTION

## 3.01 FIELD QUALITY CONTROL

- A. Owner reserves the right to reject non-compliant products, whether installed or not, and require their removal and replacement with compliant products at no extra cost to Owner.
- B. Additional costs to restore indoor air quality due to installation of non-compliant products will be borne by Contractor.

## **END OF SECTION**

#### **SECTION 017000 EXECUTION AND CLOSEOUT REQUIREMENTS**

#### PART 1 GENERAL 1.01 SECTION INCLUDES

- A. Examination, preparation, and general installation procedures.
- B. Requirements for alterations work, including selective demolition
- C. Pre-installation meetings.
- D. Cutting and patching. E. Surveying for laying out the work.
- F. Cleaning and protection.
- G. Starting of systems and equipment.
- H. Demonstration and instruction of Owner personnel.
- I. Closeout procedures, including Contractor's Correction Punch List, except payment procedures. J. General requirements for maintenance service.

## 1.02 RELATED REQUIREMENTS

#### 1.03 SUBMITTALS

- A. See Section 013000 Administrative Requirements, for submittal procedures
- B. Cutting and Patching: Submit written request in advance of cutting or alteration that affects:
- Structural integrity of any element of Project. Integrity of weather exposed or moisture resistant element.
- Efficiency, maintenance, or safety of any operational element.
- Visual qualities of sight exposed elements. Work of Owner or separate Contractor.

## Project Record Documents: Accurately record actual locations of capped and active utilities.

A. For surveying work, employ a land surveyor registered in the State in which the Project is located and acceptable to Architect. Submit evidence of surveyor's Errors and Omissions insurance coverage in the form of an Insurance Certificate. Employ only individual(s) trained and experienced in collecting and recording accurate data relevant to ongoing construction activities,

## 1.05 PROJECT CONDITIONS

- A. Ventilate enclosed areas to assist cure of materials, to dissipate humidity, and to prevent accumulation of dust, fumes,
- B. Dust Control: Execute work by methods to minimize raising dust from construction operations. Provide positive means to prevent air-borne dust from dispersing into atmosphere and over adjacent property. Provide dust-proof barriers between construction areas and areas continuing to be occupied by Owner.
- C. Noise Control: Provide methods, means, and facilities to minimize noise produced by construction operations. 1. Indoors: Limit conduct of especially noisy interior work to 8 am to 5 pm.
- D. Pest and Rodent Control: Provide methods, means, and facilities to prevent pests and insects from damaging the work. E. Rodent Control: Provide methods, means, and facilities to prevent rodents from accessing or invading premises.
- 1.06 COORDINATION A. Coordinate scheduling, submittals, and work of the various sections of the Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.
- B. Notify affected utility companies and comply with their requirements.
- C. Verify that utility requirements and characteristics of new operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in
- D. Coordinate space requirements, supports, and installation of mechanical and electrical work that are indicated diagrammatically on drawings. Follow routing indicated for pipes, ducts, and conduit, as closely as practicable; place runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance,
- E. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
- Coordinate completion and clean-up of work of separate sections.
- G. After Owner occupancy of premises, coordinate access to site for correction of defective work and work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

## PART 2 PRODUCTS

## 2.01 PATCHING MATERIALS

- A. New Materials: As specified in product sections; match existing products and work for patching and extending work. B. Type and Quality of Existing Products: Determine by inspecting and testing products where necessary, referring to existing work as a standard
- Product Substitution: For any proposed change in materials, submit request for substitution described in Section 016000 Product Requirements.

#### PART 3 EXECUTION 3.01 EXAMINATION

- A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent work. Start of work means
- B. Verify that existing substrate is capable of structural support or attachment of new work being applied or attached. Examine and verify specific conditions described in individual specification sections.
- D. Take field measurements before confirming product orders or beginning fabrication, to minimize waste due to over-
- ordering or misfabrication. E. Verify that utility services are available, of the correct characteristics, and in the correct locations.
- F. Prior to Cutting: Examine existing conditions prior to commencing work, including elements subject to damage or

## Beginning of cutting or patching means acceptance of existing conditions.

- 3.02 PREPARATION A. Clean substrate surfaces prior to applying next material or substance.
- B. Seal cracks or openings of substrate prior to applying next material or substance.
- C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

## A. When required in individual specification sections, convene a preinstallation meeting at the site prior to commencing work

- B. Require attendance of parties directly affecting, or affected by, work of the specific section. C. Notify Architect four days in advance of meeting date.
- D. Prepare agenda and preside at meeting:
- Review conditions of examination, preparation and installation procedures. Review coordination with related work.
- E. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.

## 3.04 LAYING OUT THE WORK

3.03 PREINSTALLATION MEETINGS

A. Verify locations of survey control points prior to starting work. B. Promptly notify Architect of any discrepancies discovered.

D. Periodically verify layouts by same means.

- C. Establish elevations, lines and levels. Locate and lay out by instrumentation and similar appropriate means:
- E. Maintain a complete and accurate log of control and survey work as it progresses. 3.05 GENERAL INSTALLATION REQUIREMENTS
  - Install products as specified in individual sections, in accordance with manufacturer's instructions and recommendations, and so as to avoid waste due to necessity for replacement.
- Make vertical elements plumb and horizontal elements level, unless otherwise indicated.
- C. Install equipment and fittings plumb and level, neatly aligned with adjacent vertical and horizontal lines, unless otherwise
- D. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated. E. Make neat transitions between different surfaces, maintaining texture and appearance.

# 3.06 ALTERATIONS

- A. Drawings showing existing construction and utilities are based on casual field observation and existing record documents
- Verify that construction and utility arrangements are as indicated. Report discrepancies to Architect before disturbing existing installation.
- Beginning of alterations work constitutes acceptance of existing conditions. B. Services (Including but not limited to Electrical and Telecommunications): Remove, relocate, and extend existing systems
- to accommodate new construction 1. Maintain existing active systems that are to remain in operation; maintain access to equipment and operational components; if necessary, modify installation to allow access or provide access panel.
- 2. Where existing systems or equipment are not active and Contract Documents require reactivation, put back into operational condition; repair supply, distribution, and equipment as required.
- 3. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.
- a. Disable existing systems only to make switchovers and connections; minimize duration of outages. b. Provide temporary connections as required to maintain existing systems in service. Verify that abandoned services serve only abandoned facilities.
- Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings; remove back to source of supply where possible, otherwise cap stub and tag with identification; patch holes left by removal using materials specified for new construction.
- Protect existing work to remain. Prevent movement of structure; provide shoring and bracing if necessary.
- Perform cutting to accomplish removals neatly and as specified for cutting new work. Repair adjacent construction and finishes damaged during removal work.

- D. Adapt existing work to fit new work: Make as neat and smooth transition as possible
- 1. When existing finished surfaces are cut so that a smooth transition with new work is not possible, terminate existing surface along a straight line at a natural line of division and make recommendation to Architect. 2. Where removal of partitions or walls results in adjacent spaces becoming one, rework floors, walls, and ceilings to a
- smooth plane without breaks, steps, or bulkheads. 3. Where a change of plane of 1/4 inch or more occurs in existing work, submit recommendation for providing a smooth
- transition for Architect review and request instructions. 4. Trim existing wood doors as necessary to clear new floor finish. Refinish trim as required.
- E. Patching: Where the existing surface is not indicated to be refinished, patch to match the surface finish that existed prior to cutting. Where the surface is indicated to be refinished, patch so that the substrate is ready for the new finish.
- F. Refinish existing surfaces as indicated: 1. Where rooms or spaces are indicated to be refinished, refinish all visible existing surfaces to remain to the specified condition for each material, with a neat transition to adjacent finishes.
- 2. If mechanical or electrical work is exposed accidentally during the work, re-cover and refinish to match. G. Clean existing systems and equipment.
- H. Remove demolition debris and abandoned items from alterations areas and dispose of off-site; do not burn or bury. Do not begin new construction in alterations areas before demolition is complete.

### Comply with all other applicable requirements of this section.

- 3.07 CUTTING AND PATCHING
- A. Whenever possible, execute the work by methods that avoid cutting or patching.
- B. See Alterations article above for additional requirements. C. Perform whatever cutting and patching is necessary to:
- Complete the work. Fit products together to integrate with other work. Provide openings for penetration of mechanical, electrical, and other services
- Match work that has been cut to adjacent work. Repair areas adjacent to cuts to required condition.
- Repair new work damaged by subsequent work.
- Remove samples of installed work for testing when requested. Remove and replace defective and non-complying work.
- D. Execute work by methods that avoid damage to other work and that will provide appropriate surfaces to receive patching and finishing. In existing work, minimize damage and restore to original condition.
- E. Employ original installer to perform cutting for weather exposed and moisture resistant elements, and sight exposed
- F. Cut rigid materials using masonry saw or core drill. Pneumatic tools not allowed without prior approval. G. Restore work with new products in accordance with requirements of Contract Documents.
- H. Fit work air tight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces. I. At penetrations of fire rated walls, partitions, ceiling, or floor construction, completely seal voids with fire rated material in accordance with Section 078400, to full thickness of the penetrated element.
- 1. Finish patched surfaces to match finish that existed prior to patching. On continuous surfaces, refinish to nearest intersection or natural break. For an assembly, refinish entire unit.
- 3. Repair patched surfaces that are damaged, lifted, discolored, or showing other imperfections due to patching work. If defects are due to condition of substrate, repair substrate prior to repairing finish. 3.08 PROGRESS CLEANING
- A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to
- C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust. D. Collect and remove waste materials, debris, and trash/rubbish from site periodically and dispose off-site; do not burn or

2. Match color, texture, and appearance.

- 3.09 PROTECTION OF INSTALLED WORK A. Protect installed work from damage by construction operations
- B. Provide special protection where specified in individual specification sections.
- C. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent D. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.
- E. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials. F. Remove protective coverings when no longer needed; reuse or recycle coverings if possible.
- A. Coordinate schedule for start-up of various equipment and systems. B. Verify that wiring and support components for equipment are complete and tested.
- C. Execute start-up under supervision of applicable Contractor personnel and manufacturer's representative in accordance with manufacturers' instructions
- D. Submit a written report that equipment or system has been properly installed and is functioning correctly. 3.11 DEMONSTRATION AND INSTRUCTION
- A. Demonstrate start-up, operation, control, adjustment, trouble-shooting, servicing, maintenance, and shutdown of each item of equipment at scheduled time, at equipment location.
- B. For equipment or systems requiring seasonal operation, perform demonstration for other season within six months. C. Provide a qualified person who is knowledgeable about the Project to perform demonstration and instruction of Owner's
- 3.12 ADJUSTING

## A. Adjust operating products and equipment to ensure smooth and unhindered operation.

- 3.13 FINAL CLEANING
- A. Use cleaning materials that are nonhazardous.
- B. Clean interior and exterior glass, surfaces exposed to view; remove temporary labels, stains and foreign substances, polish transparent and glossy surfaces, vacuum carpeted and soft surfaces.
- C. Remove all labels that are not permanent. Do not paint or otherwise cover fire test labels or nameplates on mechanical and electrical equipment
- D. Clean equipment and fixtures to a sanitary condition with cleaning materials appropriate to the surface and material being E. Remove waste, surplus materials, trash/rubbish, and construction facilities from the site; dispose of in legal manner; do
- not burn or bury.
- 3.14 CLOSEOUT PROCEDURES A. Make submittals that are required by governing or other authorities.
- B. Accompany Project Coordinator on preliminary inspection to determine items to be listed for completion or correction in the Contractor's Correction Punch List for Contractor's Notice of Substantial Completion. C. Notify Architect when work is considered ready for Architect's Substantial Completion inspection.
- D. Submit written certification containing Contractor's Correction Punch List, that Contract Documents have been reviewed, work has been inspected, and that work is complete in accordance with Contract Documents and ready for Architect's Substantial Completion inspection.
- comprehensive list of items identified to be completed or corrected and submit to Architect. F. Correct items of work listed in Final Correction Punch List and comply with requirements for access to Owner-occupied

E. Conduct Substantial Completion inspection and create Final Correction Punch List containing Architect's and Contractor's

G. Notify Architect when work is considered finally complete and ready for Architect's Substantial Completion final inspection.

## H. Complete items of work determined by Architect listed in executed Certificate of Substantial Completion.

- 3.15 MAINTENANCE A. Provide service and maintenance of components indicated in specification sections.
- B. Maintenance Period: As indicated in specification sections or, if not indicated, not less than one year from the Date of Substantial Completion or the length of the specified warranty, whichever is longer. C. Examine system components at a frequency consistent with reliable operation. Clean, adjust, and lubricate as required.

D. Include systematic examination, adjustment, and lubrication of components. Repair or replace parts whenever required.

**END OF SECTION** 

**CLOSEOUT SUBMITTALS** 

Use parts produced by the manufacturer of the original component. E. Maintenance service shall not be assigned or transferred to any agent or subcontractor without prior written consent of the

# **SECTION 017800**

## **PART 1 GENERAL**

- 1.01 SECTION INCLUDES
- A. Project Record Documents. B. Operation and Maintenance Data.

#### C. Warranties and bonds.

- 1.02 RELATED REQUIREMENTS A. Section 013000 - Administrative Requirements: Submittals procedures, shop drawings, product data, and samples.
- B. Section 017000 Execution and Closeout Requirements: Contract closeout procedures.

#### C. Individual Product Sections: Warranties required for specific products or Work. 1.03 SUBMITTALS

- A. Project Record Documents: Submit documents to Architect with claim for final Application for Payment.
- B. Operation and Maintenance Data: 1. For equipment, or component parts of equipment put into service during construction and operated by Owner, submit completed documents within ten days after acceptance.
- 2. Submit one copy of completed documents 15 days prior to final inspection. This copy will be reviewed and returned after final inspection, with Architect comments. Revise content of all document sets as required prior to final

3. Submit two sets of revised final documents in final form within 10 days after final inspection.

C. Warranties and Bonds: 1. For equipment or component parts of equipment put into service during construction with Owner's permission, submit

3. For items of Work for which acceptance is delayed beyond Date of Substantial Completion, submit within 10 days

#### documents within 10 days after acceptance 2. Make other submittals within 10 days after Date of Substantial Completion, prior to final Application for Payment.

after acceptance, listing the date of acceptance as the beginning of the warranty period.

## PART 2 PRODUCTS - NOT USED

- PART 3 EXECUTION
- 3.01 OPERATION AND MAINTENANCE DATA FOR MATERIALS AND FINISHES A. Where additional instructions are required, beyond the manufacturer's standard printed instructions, have instructions prepared by personnel experienced in the operation and maintenance of the specific products.

#### 3.02 WARRANTIES AND BONDS A. Obtain warranties and bonds, executed in duplicate by responsible Subcontractors, suppliers, and manufacturers, within

- 10 days after completion of the applicable item of work. Except for items put into use with Owner's permission, leave date of beginning of time of warranty until Date of Substantial completion is determined. B. Verify that documents are in proper form, contain full information, and are notarized.
- C. Co-execute submittals when required D. Retain warranties and bonds until time specified for submittal.

E. Include originals of each in operation and maintenance manuals, indexed separately on Table of Contents.

## **END OF SECTION DIVISION 02 - EXISTING CONDITIONS**

**SECTION 024100** 

DEMOLITION

PART 1 GENERAL

1.01 SECTION INCLUDES A. Selective demolition of building elements for alteration purposes.

- A. 29 CFR 1926 U.S. Occupational Safety and Health Standards; current edition. B. NFPA 241 - Standard for Safeguarding Construction, Alteration, and Demolition Operations; 2013.
- 1.03 SUBMITTALS A. Project Record Documents: Accurately record actual locations of capped and active utilities and subsurface construction.
- 1.04 QUALITY ASSURANCE A. Demolition Firm Qualifications: Company specializing in the type of work required.

3.02 GENERAL PROCEDURES AND PROJECT CONDITIONS

#### Minimum of 10 years of documented experience. PART 2 PRODUCTS

- PART 3 EXECUTION
- 3.01 SCOPE A. Remove other items indicated, for salvage, relocation, recycling, and disposal.
- A. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public. Obtain required permits.
- Use of explosives is not permitted Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or
- public access within range of potential collapse of unstable structures. 4. Provide, erect, and maintain temporary barriers and security devices.
- 5. Use physical barriers to prevent access to areas that could be hazardous to workers or the public. 6. Conduct operations to minimize effects on and interference with adjacent structures and occupants. B. Do not begin removal until receipt of notification to proceed from Owner.
- C. Do not begin removal until built elements to be salvaged or relocated have been removed.
- of public waterways or storm sewers, or other pollution. E. If hazardous materials are discovered during removal operations, stop work and notify Architect and Owner; hazardous
- F. Hazardous Materials: Comply with 29 CFR 1926 and state and local regulations. G. Perform demolition in a manner that maximizes salvage and recycling of materials. Dismantle existing construction and separate materials.

materials include regulated asbestos containing materials, lead, PCB's, and mercury.

3.03 EXISTING UTILITIES A. Protect existing utilities to remain from damage.

D. Minimize production of dust due to demolition operations; do not use water if that will result in ice, flooding, sedimentation

2. Set aside reusable, recyclable, and salvageable materials; store and deliver to collection point or point of reuse.

B. Do not close, shut off, or disrupt existing life safety systems that are in use without at least 7 days prior written notification

D. Locate and mark utilities to remain; mark using highly visible tags or flags, with identification of utility type; protect from

B. Maintain weatherproof exterior building enclosure except for interruptions required for replacement or modifications; take

C. Do not close, shut off, or disrupt existing utility branches or take-offs that are in use without at least 3 days prior written

### damage due to subsequent construction, using substantial barricades if necessary. E. Remove exposed piping, valves, meters, equipment, supports, and foundations of disconnected and abandoned utilities.

F. Prepare building demolition areas by disconnecting and capping utilities outside the demolition zone; identify and mark utilities to be subsequently reconnected, in same manner as other utilities to remain. 3.04 SELECTIVE DEMOLITION FOR ALTERATIONS

A. Separate areas in which demolition is being conducted from other areas that are still occupied.

- care to prevent water and humidity damage. C. Protect existing work to remain. 1. Repair adjacent construction and finishes damaged during removal work.
- 3.05 DEBRIS AND WASTE REMOVAL A. Remove debris, junk, and trash from site.

C. Leave site in clean condition, ready for subsequent work.

D. Clean up spillage and wind-blown debris from public and private lands.

## **END OF SECTION**

B. Remove from site all materials not to be reused on site; comply with requirements of Section 017419 - Waste

**DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES** 

**SECTION 062000** 

FINISH CARPENTRY

## PART 1 GENERAL

## 1.01 SECTION INCLUDES A. Finish carpentry items.

# B. Wood moldings.

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Sheet No.:

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A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2015a.

B. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2014.

C. AWMAC/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

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. Minimum Scale of Detail Drawings: 3/4" = 1'-0".

Provide information as required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS)

C. Samples: Submit two samples of wood trim 8 inch long.

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 AWI/AWMAC/WI (AWS) for Premium

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.

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

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.

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

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

D. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 - Finishing for grade 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.

A. Install custom fabrications in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade

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.

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 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.

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

D. Testing Agency Qualifications: Independent firm specializing in performing testing and inspections of the type specified in

E. Preconstruction Laboratory Testing: Arrange for sealant manufacturer(s) to test each combination of sealant, substrate,

backing, and accessories Adhesion Testing: In accordance with ASTM C794

Compatibility Testing: In accordance with ASTM C1087

Allow sufficient time for testing to avoid delaying the work. Deliver to manufacturer sufficient samples for testing.

Report manufacturer's recommended corrective measures, if any, including primers or techniques not indicated in

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.

Field Quality Control Plan:

Inspection and testing to be performed by the manufacturer's representative. Visual inspection of entire length of sealant joints.

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

. 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.

A. See Section 017800 - Closeout Submittals, for additional warranty requirements.

B. Correct defective work within a five year period after Date of Substantial Completion. 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

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

Other joints indicated below

Do not seal the following types of joints. a. Joints indicated to be treated with manufactured expansion joint cover or some other type 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

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

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

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 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

F. Nonsag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after tooling 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 GYPSUM 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 (Galvannealed) by the Hot-Dip Process; 2015.

C. ASTM A1003/A1003M - 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 C645 - 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

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.

or Metal Plaster Bases to Wood Studs or Steel Studs; 2022.

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.

2.01 GYPSUM BOARD ASSEMBLIES A. Provide completed assemblies complying with ASTM C840 and GA-216.

PART 2 PRODUCTS

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 Clarkwestern Dietrich Building Systems LLC: www.clarkdietrich.com.

Marino: www.marinoware.com. 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: Application: Horizontal surfaces behind tile in wet areas including countertops and sinks. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.

A. Joint Accessories: ASTM C1047, rigid plastic, galvanized steel, or rolled zinc, unless noted otherwise. 1. J-Trim: Sized to fir 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

2.04 ACCESSORIES

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

D. Blocking: Install wood blocking for support of: 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.

A. Paper Faced Gypsum Board: Use paper joint tape, embed with drying type joint compound and finish with drying type 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. 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.

Feather coats of joint compound so that camber is maximum 1/32 inch. Taping, filling, and sanding is not required at surfaces behind adhesive applied ceramic tile and fixed cabinetry. 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

A. Tile for floor applications.

PART 1 GENERAL

1.01 SECTION INCLUDES

1.02 RELATED REQUIREMENTS

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

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

E. ANSI A108.5 - Setting of Ceramic Tile with Dry-Set Cement Mortar, Modified Dry-Set Cement Mortar, EGP (Exterior Glue

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.

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

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

K. ANSI A108/A118/A136.1 - American National Standard Specifications for the Installation of Ceramic Tile (Compendium).;

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

Q. ANSI A118.7 - American National Standard Specifications for High Performance Cement Grouts for Tile Installation; 2010

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

T. ANSI A137.1 - American National Standard Specifications for Ceramic Tile; 2022. U. ASTM C373 - 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.

 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

Dimension Stone Installation; 2014.

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. 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

B. Installer Qualifications: Company specializing in performing tile installation, with minimum of five years of documented

B. Construct tile mock-up where indicated on drawings, incorporating all components specified for the location. Minimum size of mock-up is indicated on drawings. 2. Approved mock-up may remain as part of the Work.

minimum five years of documented experience.

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.

Color(s): As scheduled. Products: a. As scheduled.

A. See Section 014000 - Quality Requirements, for general requirements for mock-up.

B. Porcelain Tile, Type \_\_: ANSI A137.1, standard grade. Moisture Absorption: 0 to 0.5 percent as tested in accordance with ASTM C373.

Size: as indicated on drawings.

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. Applications:

a. Open edges of wall tile. b. Wall corners, outside and inside. c. Thresholds at door openings.

B. Latex-Portland Cement Mortar Bond Coat: ANSI A118.4.

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.

 Products: a. ARDEX Engineered Cements; ARDEX N 23 MICROTEC: www.ardexamericas.com/#sle. b. Merkrete, by Parex USA, Inc; Merkrete 735 Premium Flex: www.merkrete.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.

Use sanded grout for joints 1/8 inch wide and larger; use unsanded grout for joints less than 1/8 inch wide.

a. LATICRETE International, Inc; LATICRETE SPECTRALOCK PRO Premium Grout: www.laticrete.com/#sle.

Crack resistance: no failure at 1/16 inch gap, minimum. B. Standard Grout: ANSI A118.6 standard cement grout. Applications: Use this type of grout where indicated and where no other type of grout is indicated.

Color(s): As indicated on drawings.

Thickness: 20 mils, maximum.

Color(s): As indicated on drawings.

a. LATICRETE International, Inc; LATICRETE 1500 Sanded Grout: www.laticrete.com/#sle. C. Epoxy Grout: ANSI A118.3 chemical resistant and water-cleanable epoxy grout. Applications: restrooms.

D. Stain Resistant Grout Additive: Liquid admixture for sanded and unsanded cement-based grouts; mix with dry grout material in place of water. Applications: Where indicated.

2.06 MAINTENANCE MATERIALS A. Tile Sealant: Gunnable, silicone, siliconized acrylic, or urethane sealant; moisture and mildew resistant type. Applications: Between tile and plumbing fixtures.

B. Grout Sealer: Liquid-applied, moisture and stain protection for existing or new Portland cement grout. 1. Composition: Water-based colorless silicone.

2.07 ACCESSORY MATERIALS

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Architects Lewis + Whitlock 206 West Virginia St.

Sheet No.:

Tallahassee, Florida 32301 850.942.1718 www.think3d.net Description: Specifications

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**B G** 

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

B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are

C. Verify that sub-floor surfaces are dust-free and free of substances that could impair bonding of setting materials to sub-

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

## 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 bullnosed. 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. 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.

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.

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: 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

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.

I. Support fixture loads using supplementary hangers located within 6 inches of each corner, or support components

H. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection

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.

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 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

Wood ceilings Exposed grid suspension system

Wire hangers, fasteners, main runners, cross tees, and wall angle moldings

4. Perimeter Trim

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

C. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2015a.

D. ASTM E1264 - Standard Classification for Acoustical Ceiling Products; 2014. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All

Applicable Amendments and Supplements. Related Sections

Section 09 53 00 - Acoustical Ceiling Suspension Assemblies Section 09 20 00 - Plaster and Gypsum Board

Section 09 22 16 - Non-structural Metal Framing

Division 23 (15) - HVAC Air Distribution 5. Division 26 (16) – Electrical Work

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 preapproved 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):

ASTM A 1008 Standard Specification for Steel, Sheet, Cold Rolled, Carbon, Structural, High-Strength Low-Alloy and

High-Strength Low-Alloy with Improved Formability ASTM A 641 Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire ASTM A 653 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process

ASTM C 635 Standard Specification for Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings ASTM C 636 Recommended Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lav-in Panels

ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E 580 Installation of Metal Suspension Systems in Areas Requiring Moderate Seismic Restraint

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 - AC 156 Acceptance Criteria for Seismic Qualification Testing of Nonstructural Components G. International Code Council-Evaluation Services Report - Seismic Engineer Report

LEED - Leadership in Energy and Environmental Design is a set of rating systems for the design, construction, operation, and maintenance of green buildings

H. California Air Resource Board (CARB) compliant

ESR 1308 - Armstrong Suspension Systems

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

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. 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

## 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.

Woodworking Standards: Manufacturer must comply with specified provisions of Architectural Woodworking Institute

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.

1.08 PROJECT CONDITIONS A. Wood ceiling materials should be permitted to reach room temperature and have a stabilized moisture content for a

C. Handle ceiling units carefully to avoid chipped edges or damage to units in any way.

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.

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:

 Ceiling: Defects in materials or factory workmanship. Grid System: Rusting and manufacturing defects.

B. Warranty Period: . Ceiling: One (1) year from date of installation.

requirements of the Contract Documents.

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

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 Surface Texture: Smooth

Composition: Solid Wood (Poplar) 3. Finish: Clear or Tinted, UV Cured Topcoat Finishes on Solid Wood (Poplar)

a. Antique Oak (GAO) Dimensions: a. Panel Width: 12"

d. Plank Width: 1"

b. Panel Length: 96" c. Plank Spacing: 2"

e. Plank Height: 4-1/4" 5. Flame Spread: ASTM E1264; Class C 5. Basis of Design: WOODWORKS Grille- Classics as manufactured by Armstrong World Industries, Inc.

Ceiling Accessories a. Provide finish accessories as required for a finished appearance, with no visible rough edges.

c. Substitutions: Refer to Alternates in Part 1.

b. Backer Rod - Factory finished white

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 653. Main beams and cross tees are double-web steel construction exposed flange design. Exposed surfaces chemically cleansed, 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.

Basis of Design: Prelude XL 15/16" Exposed Tee 12' Main beam - item 7301BL as manufactured by Armstrong World 2) Prelude XL Exposed Tee 4' Cross Tee - item XL7341BL as manufactured by Armstrong World Industries,

3) Prelude XL Exposed Tee 2' Cross Tee - item XL8320BL as manufactured by Armstrong World Industries, 3. Substitutions: Refer to Alternates in Part 1

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

B. Attachment Devices: Size for five times design load indicated in ASTM C 635, Table 1, Direct Hung unless otherwise

D. Suspension System Accessories, Edge Moldings and Trim as manufactured by Armstrong World Industries, Inc. Dowel Clip 3) 12-Gauge Solt Hanger Wire

Uptight Clip 5) RC2 Radius Clip 6) Adjustable Trim Clip

free of construction dust.

#### 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

B. WoodWorks ceiling materials should be permitted to reach room temperature and have a stabilized moisture content for a

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

**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

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 unctioning 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,

C. Verification Samples: Submit two samples, 4 by 4 inch in size illustrating color and pattern for each resilient flooring

E. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

See Section 016000 - Product Requirements, for additional provisions.

A. Manufacturer Qualifications: Company specializing in manufacturing specified flooring with minimum three years

B. Installer Qualifications: Company specializing in installing specified flooring with minimum three years documented

## 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

C. Maintain temperature in storage area between 55 degrees F and 90 degrees F.

D. Protect roll materials from damage by storing on end.

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

2.02 LUXURY VINYL TILE (LVT)

A. Manufacturer: Patcraft

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

G. Installation: Glue-Down H. Adhesive: per manufacturer's recommendations

or NFPA 253. 2. Height: 4 inch.

5. Accessories: Premolded external corners and internal corners. 2.04 ACCESSORIES

B. Primers, Adhesives, and Seam Sealer: Waterproof; types recommended by flooring manufacturer.

3.01 EXAMINATION A. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through

bonding of flooring to substrate. B. Cementitious Sub-floor Surfaces: Verify that substrates are dry enough and ready for resilient flooring installation by

materials manufacturer. 3.02 PREPARATION

C. Prohibit traffic until filler is fully cured.

3.03 INSTALLATION - GENERAL

 D. Fit joints and butt seams tightly. E. Set flooring in place, press with heavy roller to attain full adhesion.

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.

# A. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches between joints.

3.05 INSTALLATION - RESILIENT BASE

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.

**SECTION 096813** 

**TILE CARPETING** 

PART 1 GENERAL 1.01 SECTION INCLUDES

(Reapproved 2011).

1.02 REFERENCE STANDARDS A. ASTM D2859 - Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials; 2006

patterns and colors available; and installation instructions.

D. Certification: Prior to installation of flooring, submit written certification by flooring manufacturer and adhesive manufacturer that condition of sub-floor is acceptable.

F. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.

2. Extra Materials: Quantity equivalent to 5 percent of each type and color. 1.04 QUALITY ASSURANCE

experience.

B. Store all materials off of the floor in an acclimatized, weather-tight space.

E. Do not double stack pallets.

2.01 TILE FLOORING

B. Construction: Heavy Commercial Luxury Vinyl Tile

F. Finish: Exoguard

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

4. Color: To be selected by Architect from manufacturer's full range.

A. Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer. For use only under areas to

C. Moldings, Transition and Edge Strips: as indicated on drawings. **PART 3 EXECUTION** 

VOC Content Limits: As specified in Section 016116.

flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with

testing for moisture and pH. Test in accordance with ASTM F710. 2. Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive

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.

D. Apply primer as required to prevent "bleed-through" or interference with adhesion by substances that cannot be removed.

F. Where type of floor finish, pattern, or color are different on opposite sides of door, terminate flooring under centerline of

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.

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 appurtenances to produce tight joints.

3.04 INSTALLATION - TILE FLOORING

I. Install flooring in recessed floor access covers, maintaining floor pattern.

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

**END OF SECTION** 

A. Carpet tile, fully adhered.

206 West Virginia St. Tallahassee, Florida 32301 850.942.1718

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www.think3d.net Description: Specifications

Architects Lewis + Whitlock

Sheet No.:

C. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2011

## D. CRI 104 - Standard for Installation of Commercial Carpet; 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; sizes, patterns, colors available, and method of installation
- C. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for
- D. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.

See Section 016000 - Product Requirements, for additional provisions.

## Extra Carpet Tiles: Quantity equal to 5 percent of total installed of each color and pattern installed.

- A. Manufacturer Qualifications: Company specializing in manufacturing specified carpet tile with minimum three years
- B. Installer Qualifications: Company specializing in installing carpet tile with minimum three years documented experience and approved by carpet tile manufacturer.

## 1.05 FIELD CONDITIONS

## A. Store materials in area of installation for minimum period of 24 hours prior to installation.

#### PART 2 PRODUCTS 2.01 MATERIALS

- A. Tile Carpeting, Type 66: Tufted, manufactured in one color dye lot.
- Tile Size: 18" x 36", nominal. Color: as indicated on drawings
- Critical Radiant Flux: Minimum of 0.45 watts/sq cm, when tested in accordance with ASTM E648 or NFPA 253.
- 4. Surface Flammability Ignition: Pass ASTM D2859 (the "pill test"). VOC Content: Comply with Section 016116.
- Fiber System: Type 6,6 Nylon; no exceptions. Backing:100% reinforced synthetic, woven or nonwoven. High performance, and moisture impermeable.

## 2.02 ACCESSORIES

- A. Edge Strips: as indicated, color as selected by Architect.
- Compatible with materials being adhered; maximum VOC content as specified in Section 016116.
- C. Carpet Tile Adhesive: Provide adhesive by the carpet manufacturer for intended use condition. No substitutions. All adhesive used for modular carpet tile shall be a releasable adhesive.

## PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verify that sub-floor surfaces are smooth and flat within tolerances specified for that type of work and are ready to receive
- B. Verify that sub-floor surfaces are dust-free and free of substances that could impair bonding of adhesive materials to sub-
- C. Cementitious Sub-floor Surfaces: Verify that substrates are dry enough and ready for flooring installation by testing for 1. Test in accordance with ASTM F710.
- 2. Obtain instructions if test results are not within limits recommended by flooring material manufacturer and adhesive

## 3.02 PREPARATION

- A. Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with sub-floor
- B. Apply, trowel, and float filler to achieve smooth, flat, hard surface. Prohibit traffic until filler is cured. C. Vacuum clean substrate.

## 3.03 INSTALLATION

- A. Starting installation constitutes acceptance of sub-floor conditions.
- B. Install carpet tile in accordance with manufacturer's instructions.
- C. Blend carpet from different cartons to ensure minimal variation in color match D. Cut carpet tile clean. Fit carpet tight to intersection with vertical surfaces without gaps.
- E. Locate change of color or pattern between rooms under door centerline.
- F. Fully adhere carpet tile to substrate.

B. Clean and vacuum carpet surfaces.

G. Trim carpet tile neatly at walls and around interruptions H. Complete installation of edge strips, concealing exposed edges.

## 3.04 CLEANING

- A. Remove excess adhesive without damage, from floor, base, and wall surfaces.
  - **END OF SECTION**

#### **SECTION 097200** WALL COVERINGS

## **PART 1 GENERAL**

## 1.01 SECTION INCLUDES

- A. Surface preparation and prime painting. B. Wall covering.
- 1.02 RELATED REQUIREMENTS

A. Section 016116 - Volatile Organic Compound (VOC) Content Restrictions.

## 1.03 REFERENCE STANDARDS

- A. ASTM D1308 Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes; 2002
- (Reapproved 2013). B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2015a.
- C. ASTM F793/F793M Standard Classification of Wall Coverings and Ceiling Coverings by Use Characteristics; 2025. 1.04 SUBMITTALS
- A. See Section 013000 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on wall covering and adhesive

## 1.05 QUALITY ASSURANCE

1.07 MOCK-UP

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum 5 vears of documented experience
- B. Installer Qualifications: Company specializing in performing work of the type specified and with at least 5 years of documented experience

## 1.06 WARRANTY

- A. Manufacturer's limited 5-year written warranty agaings manufacturing defects.
- A. Provide panel, 8 feet wide, full height, illustrating installed wall covering and joint seaming technique. B. Locate where directed
- C. Mock-up may remain as part of the Work.
- 1.08 DELIVERY, STORAGE, AND HANDLING
- A. Inspect roll materials at arrival on site, to verify acceptability B. Protect packaged adhesive from temperature cycling and cold temperatures.
- C. Do not store roll goods on end.

## 1.09 FIELD CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the adhesive or wall covering product manufacturer.
- B. Maintain these conditions 24 hours before, during, and after installation of adhesive and wall covering.
- PART 2 PRODUCTS

## 2.01 WALL COVERINGS

- A. General Requirements 1. Surface Burning Characteristics: Flame spread/Smoke developed index of 25/50, maximum, when tested in
- accordance with ASTM E84. 2. Chemical and Stain Resistance: No visible staining or discoloration and no damage to surface texture when tested in accordance with ASTM D1308.

B. Wall Covering: Fabric-backed vinyl roll stock.

D. Termination Trim: Extruded plastic, color as selected.

- 1. Comply with ASTM F793/F793M, Category V, Type II.
- Color: Varies, as indicated on drawings. Pattern: Varies, as indicated on drawings.
- 4. Micro-perforation requirement: All wall covering installed on exterior walls must be factory perforated to allow
- C. Adhesive: Type recommended by wall covering manufacturer to suit application to substrate.

#### E. Substrate Filler: As recommended by adhesive and wall covering manufacturers; compatible with substrate. PART 3 EXECUTION

- 3.01 EXAMINATION
- A. Verify that substrate surfaces are prime painted and ready to receive work, and comply with requirements of wall covering B. Measure moisture content of surfaces using an electronic moisture meter. Do not apply wall coverings if moisture content
- of substrate exceeds level recommended by wall covering manufacturer C. Verify flatness tolerance of surfaces does not vary more than 1/8 inch in 10 feet nor vary at a rate greater than 1/16 inch/ft.
- 3.02 PREPARATION
- A. Fill cracks in substrate and smooth irregularities with filler; sand smooth B. Wash impervious surfaces with tetra-sodium phosphate, rinse and neutralize; wipe dry.
- C. Surface Appurtenances: Remove or mask electrical plates, hardware, light fixture trim, escutcheons, and fittings prior to preparing surfaces or finishing.
- D. Vacuum clean surfaces free of loose particles.

- A. Apply adhesive and wall covering in accordance with manufacturer's instructions.
- B. Apply adhesive to wall surface immediately prior to application of wall covering.
- C. Apply wall covering smooth, without wrinkles, gaps or overlaps. Eliminate air pockets and ensure full bond to substrate
- D. Butt edges tightly.

3.03 INSTALLATION

- E. Do not seam within 2 inches of internal corners or within 6 inches of external corners.
- F. Install wall covering before installation of bases and items attached to or spaced slightly from wall surface. G. Cover spaces above and below windows, above doors, in pattern sequence from roll.
- H. Where wall covering tucks into reveals, or metal wallboard or plaster stops, apply with contact adhesive within 6 inches of wall covering termination. Ensure full contact bond.
- Install termination trim J. Remove excess adhesive while wet from seam before proceeding to next wall covering sheet. Wipe clean with dry cloth.
- 3.04 CLEANING

#### A. Clean wall coverings of excess adhesive, dust, dirt, and other contaminants. B. Reinstall wall plates and accessories removed prior to work of this section.

## 3.05 PROTECTION

#### A. Do not permit construction activities at or near finished wall covering areas. END OF SECTION

#### **SECTION 099123** INTERIOR PAINTING

## **PART 1 GENERAL**

- 1.01 SECTION INCLUDES
- A. Surface preparation.
- B. Field application of paints.
- C. Scope: Finish interior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated.
- D. Do Not Paint or Finish the Following Items: 1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not

4. Fire rating labels, equipment serial number and capacity labels, bar code labels, and operating parts of equipment.

- considered factory finished. Items indicated to receive other finishes
- . Stainless steel, anodized aluminum, bronze, terne coated stainless steel, and lead items. Marble, granite, slate, and other natural stones
- Floors, unless specifically indicated. Ceramic and other tiles.
- 9. Brick, architectural concrete, cast stone, integrally colored plaster and stucco.
- 11. Acoustical materials, unless specifically indicated.
- 12. Concealed pipes, ducts, and conduits. 1.02 REFERENCE STANDARDS
- A. 40 CFR 59, Subpart D National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.
- B. ASTM D16 Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2014. C. ASTM D4442 - Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials;
- D. MPI (APL) Master Painters Institute Approved Products List; Master Painters and Decorators Association; current edition, www.paintinfo.com.
- E. MPI (APSM) Master Painters Institute Architectural Painting Specification Manual; Current Edition, www.paintinfo.com. F. SSPC-SP 1 - Solvent Cleaning; 2015.
- G. SSPC-SP 2 Hand Tool Cleaning; 1982 (Ed. 2004).
- 1.03 SUBMITTALS
- A. See Section 013000 Administrative Requirements, for submittal procedures. B. Product Data: Provide complete list of products to be used, with the following information for each:
  - Manufacturer's name, product name and/or catalog number, and general product category (e.g. "alkyd enamel"). MPI product number (e.g. MPI #47)
- Cross-reference to specified paint system(s) product is to be used in; include description of each system. Manufacturer's installation instructions
- C. Samples: Submit three paper "draw down" samples, 8-1/2 by 11 inches in size, illustrating range of colors available for each finishing product specified 1. Where sheen is specified, submit samples in only that sheen.
- 2. Allow 30 days for approval process, after receipt of complete samples by Architect.
- D. Certification: By manufacturer that paints and finishes comply with VOC limits specified E. Maintenance Data: Submit data including finish schedule showing where each product/color/finish was used, product
- technical data sheets, material safety data sheets (MSDS), care and cleaning instructions, touch-up procedures, repair of painted and finished surfaces, and color samples of each color and finish used F. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
- 1. See Section 016000 Product Requirements, for additional provisions. Extra Paint and Finish Materials: 1 gallon of each color; from the same product run, store where directed.

#### Label each container with color in addition to the manufacturer's label. 1.04 QUALITY ASSURANCE

area, and as required by manufacturer's instructions.

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum 10 years
- B. Applicator Qualifications: Company specializing in performing the type of work specified with minumum 10 years of documeneted experience

## 1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability

C. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing. C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated

## 1.06 FIELD CONDITIONS

**PART 2 PRODUCTS** 

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint
- B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

2.01 MANUFACTURERS

- A. Provide paints and finishes from the same manufacturer.
- 1. In the event that a single manufacturer cannot provide specified products, minor exceptions will be permitted provided approval by Architect is obtained using the specified procedures for substitutions.
- Substitution of MPI-approved products by a different manufacturer is preferred over substitution of unapproved products by the same manufacturer.
- 1. Pittsburgh Paints: www.ppgpaints.com/#sle. Sherwin-Williams Company: www.sherwin-williams.com/#sle.
- Sherwin-Williams Company: www.sherwin-williams.com/#sle.

E. Substitutions: See Section 016000 - Product Requirements.

D. Primer Sealers: Same manufacturer as top coats.

## 2.02 PAINTS AND FINISHES - GENERAL

A. Paints and Finishes: Ready mixed, unless intended to be a field-catalyzed paint Where MPI paint numbers are specified, provide products listed in Master Painters Institute Approved Product List, current edition available at www.paintinfo.com, for specified MPI categories, except as otherwise indicated.

2. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a

- homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or 3. Provide materials that are compatible with one another and the substrates indicated under conditions of service and
- application, as demonstrated by manufacturer based on testing and field experience. 4. For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color.
- Supply each paint material in quantity required to complete entire project's work from a single production run. 6. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.
- B. Volatile Organic Compound (VOC) Content: 1. Provide paints and finishes that comply with the most stringent requirements specified in the following:
- a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings. b. Architectural coatings VOC limits of the State in which the Project is located. USGBC LEED Rating System; for interior wall and ceiling finish (all coats), anti-corrosive paints on interior
- ferrous metal, sanding sealers, other sealers, and floor coatings. Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities
- having jurisdiction. C. Flammability: Comply with applicable code for surface burning characteristics.
- D. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect from the manufacturer's full line
- E. Colors: As indicated on drawings.

Two top coats and one coat primer.

- 2.03 PAINT SYSTEMS INTERIOR A. Paint I-OP - Interior Surfaces to be Painted, Unless Otherwise Indicated: Including gypsum board and wood.
  - 2. Top Coat(s): Institutional Low Odor/VOC Interior Latex; MPI #143, 144, 145, 146, 147, or 148.
  - 1) Sherwin-Williams ProMar 200 Zero VOC Interior Latex, Eggshell.
  - Eggshell: MPI gloss level 3; use this sheen at walls and GWB ceilings.

# 4. Primer: As recommended by top coat manufacturer for specific substrate.

A. Primers: Provide the following unless other primer is required or recommended by manufacturer of top coats.

Semi-Gloss: MPI gloss level 5; use this sheen at door frames and other misc. trim...

- A. Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.
- B. Patching Material: Latex filler
- C. Fastener Head Cover Material: Latex filler.

## PART 3 EXECUTION

- 3.01 EXAMINATION A. Do not begin application of paints and finishes until substrates have been properly prepared.
- B. Verify that surfaces are ready to receive work as instructed by the product manufacturer C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially
- D. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before
- F. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:

#### Gypsum Wallboard: 12 percent. 2. Interior Wood: 15 percent, measured in accordance with ASTM D4442.

3.02 PREPARATION

E. Test shop-applied primer for compatibility with subsequent cover materials.

- A. Clean surfaces thoroughly and correct defects prior to application. B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate
- prior to preparing surfaces or finishing. D. Seal surfaces that might cause bleed through or staining of topcoat. E. Gypsum Board: Fill minor defects with filler compound. Spot prime defects after repair.

C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings,

- F. Wood Surfaces to Receive Opaque Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats. Back prime concealed G. Wood Surfaces to Receive Transparent Finish: Wipe off dust and grit prior to sealing, seal knots, pitch streaks, and sappy
- sections with sealer. Fill nail holes and cracks after sealer has dried; sand lightly between coats. Prime concealed surfaces with gloss varnish reduced 25 percent with thinner. 3.03 APPLICATION

A. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting

- Specification Manual" B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
- C. Apply each coat to uniform appearance in thicknesses specified by manufacturer.
- D. Dark Colors and Deep Clear Colors: Regardless of number of coats specified, apply as many coats as necessary for complete hide. E. Sand wood surfaces lightly between coats to achieve required finish.

F. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

G. Wood to Receive Transparent Finishes: Tint fillers to match wood. Work fillers into the grain before set. Wipe excess

A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

**SECTION 099300** 

STAINING AND TRANSPARENT FINISHING

- from surface. H. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing. 3.04 CLEANING
- A. Protect finishes until completion of project.

A. Section 016116 - Volatile Organic Compound (VOC) Content Restrictions.

#### B. Touch-up damaged finishes after Substantial Completion. **END OF SECTION**

### PART 1 GENERAL 1.01 SECTION INCLUDES

3.05 PROTECTION

#### A. Field application of stains. 1.02 RELATED REQUIREMENTS

1.03 REFERENCE STANDARDS A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.

- B. ASTM D16 Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2014.
- C. ASTM D4442 Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials;
- D. MPI (APSM) Master Painters Institute Architectural Painting Specification Manual; Current Edition, www.paintinfo.com.
- A. See Section 013000 Administrative Requirements for submittal procedures.
- B. Product Data: Provide complete list of products to be used, with the following information for each:

1. Manufacturer's name, product name and catalog number, and general product category.

C. Samples: Two samples on actual wood substrate to be finished, 6 by 6 inch in size, indicating selected colors and sheens for each system, with specified coats cascaded.

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section, with at least

## 1.05 QUALITY ASSURANCE

B. Applicator Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience

## 1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability B. Container Label: Include manufacturer's name, type of stain or transparent finish, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and
- C. Stain and Transparent Finish Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90

#### degrees F, in ventilated area, and as required by manufacturer's instructions. PART 2 PRODUCTS

- 2.01 MANUFACTURERS A. Provide finishes used in any individual system from the same manufacturer; no exceptions.
- Pittsburgh Paints; \_\_\_\_: www.ppgpaints.com/#sle.
- Sherwin-Williams Company; \_\_\_\_: www.sherwin-williams.com/#sle. 3. Substitutions: See Section 016000 - Product Requirements.

# 2.02 STAINS AND TRANSPARENT FINISHES - GENERAL

1. Provide finishes capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.

2. Provide materials compatible with one another and the substrates indicated under conditions of service and

application, as demonstrated by manufacturer based on testing and field experience. 3. Supply each finish material in quantity required to complete entire project's work from a single production run. 4. Do not reduce, thin, or dilute finishes or add materials unless such procedure is specifically described in

## manufacturer's product instructions.

three years of documented experience.

- 2.03 INTERIOR STAIN AND TRANSPARENT FINISH SYSTEMS A. Finish on Wood - Trim:
- 1. 1-coat stain. 2-coat polyurethane.
- Stain: Semi-transparent stain for wood, solvent based. a. Products: 1) Minwax Performance Series Tintable Wood Stain 250 VOC
- 2) Substitutions: Section 016000 Product Requirements. 4. Top Coat: Polyurethane varnish, oil modified; MPI #56 or 57. a. Products:

## PART 3 EXECUTION

A. Verify that surfaces are ready to receive work as instructed by the product manufacturer. B. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially effect proper application

1) Minwax Water Based Oil-Modified Polyurethane, 4 MILS wet, 1.0 MIL dry per coat.

- 3.02 PREPARATION A. Clean surfaces thoroughly and correct defects prior to application. B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate
- under the project conditions. C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing
- 3.03 APPLICATION A. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting
- B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

### C. Apply each coat to uniform appearance in thicknesses specified by manufacturer. D. Reinstall items removed prior to finishing.

- 3.04 FIELD QUALITY CONTROL A. See Section 014000 - Quality Requirements for general requirements for field inspection.
- 3.05 CLEANING

A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

**END OF SECTION** 

**DIVISION 10 - SPECIALTIES** 

#### 3.06 PROTECTION A. Protect finishes until completion of project.

PART 1 GENERAL

**SECTION 102113.10** SOLID PLASTIC TOILET COMPARTMENTS (STANDARD)

#### 1.01 SECTION INCLUDES A. Solid plastic toilet compartments including the following: (Hiny Hiders)

1. Floor mounted overhead-braced toilet compartments. 1.02 RELATED SECTIONS

Ceiling Interior Finish to Room Fire Growth.

- A. Section 05 50 00 Metal Fabrications
- B. Section 06 10 00 Rough Carpentry. 1.03 REFERENCES A. ASTM A 666 - Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.

B. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

C. National Fire Protection Association (NFPA) 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and

1.04 SUBMITTALS A. Submit under provisions of Section 01 30 00 - Administrative Requirements.

D. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

- B. Product Data: Manufacturer's data sheets on each product to be used, including: Preparation instructions and recommendations. Storage and handling requirements and recommendations. Installation methods
- Recycled Content: Certify percentages of post-consumer and pre-consumer recycled content. 2. Regional Materials: Certify distance between manufacturer and Project and between manufacturer. 1.05 QUALITY ASSURANCE

whose products have been in satisfactory use under similar service conditions for not less than 5 years.

C. Shop Drawings: Provide layout drawings and installation details with location and type of hardware required.

D. Verification Samples: For each finish product specified, two samples representing actual product, color, and patterns.

B. Installer Qualifications: A company regularly engaged in installation of products specified in this Section, with a minimum of 5 years experience. C. Materials: Doors, panels and pilasters, constructed from high density polyethylene (HDPE) resins. Partitions to be

fabricated from polymer resins compounded under high pressure, forming a single component which is waterproof,

nonabsorbent and has a self-lubricating surface that resists marks from pens, pencils, markers and other writing

A. Manufacturer Qualifications: A company regularly engaged in manufacture of products specified in this section, and

instruments. Cover all plastic components with a protective plastic masking. D. Performance Requirements:

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Architects Lewis + Whitlock 206 West Virginia St. Tallahassee, Florida 32301

Sheet No.:

850.942.1718 www.think3d.net Description:

Specifications

- 1. Fire Resistance: Partition materials shall comply with the following requirements, when tested in accordance with
- Class A flame spread/smoke developed rating. b. Class B flame spread/smoke developed rating.
- Material Fire Ratings: a. National Fire Protection Association (NFPA) 286: Pass.
- b. International Code Council (ICC): Class B.
- 1.06 DELIVERY, STORAGE, AND HANDLING A. Store products in manufacturer's unopened packaging until ready for installation.
- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
- 1.08 WARRANTY
- A. Manufacturer guarantees its plastic against breakage, corrosion, and delamination under normal conditions for 25 years from the date of receipt by the customer. If materials are found to be defective during that period for reasons listed above, the materials will be replaced free of charge. Labor not included in warranty.

#### PART 1 PRODUCTS 2.01 MANUFACTURERS

- A. Acceptable Manufacturer: Scranton Products, which is located at: 801 E. Corey St.; Scranton, PA 18505; Toll Free Tel: 800-445-5148; Fax: 855-376-6161; Email:request info (info@scrantonproducts.com); Web:www.scrantonproducts.com
- Fabricator: Santana Toilet Partitions. Fabricator: Comtec Toilet Partitions.
- Fabricator: Capitol Toilet Partitions. B. Substitutions: allowed

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

- A. Plastic Panels: High density polyethylene (HDPE) suitable for exposed applications, waterproof, non-absorbent, and graffiti-resistant textured surface.
- 1. Recycled Content; Post Industrial: 25 percent.
- B. Zinc Aluminum Magnesium and Copper Alloy (Zamac): ASTM B 86.
- C. Stainless Steel Castings: ASTM A167, Type 304.
- D. Aluminum: ASTM 6463-T5 alloy.
- 2.03 SOLID PLASTIC TOILET COMPARTMENTS
- A. Basis of Design: Hiny Hiders Toilet Partitions as manufactured by and supplied by Scranton Products.
- 1. Style: Floor mounted overhead-braced toilet compartments. B. Doors, Panels, and Pilasters: 1 inch (25 mm) thick with all edges rounded to a radius. Mount doors and dividing panels
- based on height of specified system.
- Door and Panel Height: 66 inches (1676 mm).
- Panel Edge: Shiplap.
- 3. Pilasters: 82 inches (2083 mm) high and fastened to floor. 4. Panel Color: Hammered bronze
- C. Pilaster Shoes: 4 inches (76 mm) high type 304, 20 gauge stainless steel. Secured to pilasters with a stainless steel
- D. Headrail: Heavy-duty extruded 6463-T5 alloy aluminum with anti-grip design. Finish to be clear anodized. Fastened to headrail brackets with stainless steel tamper resistant Torx head sex bolt, and fastened at the top of the pilaster with stainless steel tamper resistant Torx head screws.
- 1. Headrail Brackets: 20 gauge stainless steel with satin finish. Secured to the wall with stainless steel tamper resistant Torx head screws.
- E. Wall Brackets: Aluminum Brackets: Heavy-duty aluminum 6463-T5 alloy.
- 2. Brackets are fastened to pilasters with stainless steel tamper resistant Torx head screws and fastened to the panels
- with stainless steel tamper resistant Torx head sex bolts. 3. Bracket Type: Continuous 68 inches (1727 mm) aluminum.
- F. Door Hardware:
- Provide zero sight-line hardware
- 2. Continuous Aluminum Hinge: Length: 65 inches (1651 mm).
- 3. Door Strike/Keeper: Heavy-duty extruded aluminum 6436-T5 alloy with a bright dip anodized finish. Secured to pilasters with stainless steel tamper resistant Torx head sex bolts. Bumper shall be made of extruded black vinyl.
- a. Style: 71 inches (1803 mm) aluminum. 4. Doors supplied with one coat hook/bumper and door pull made of chrome plated Zamak
- Equip outswing handicapped doors with second door pull and door stop. PART 1 EXECUTION
- 3.01 EXAMINATION
- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before 3.02 PREPARATION
- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate
- C. Examine areas to receive toilet partitions, screens, and shower compartments for correct height and spacing of anchorage/blocking and plumbing fixtures that affect installation of partitions. Report discrepancies to the architect.
- 3.03 INSTALLATION
- A. Install in accordance with manufacturer's instructions.
- B. Install partitions rigid, straight, plumb, and level manor, with plastic laid out as shown on shop drawings.
- C. Clearance at vertical edges of doors shall be uniform top to bottom and shall not exceed 3/8 inch (9.5 mm). D. No evidence of cutting, drilling, and/or patching shall be visible on the finished work.
- E. Finished surfaces shall be cleaned after installation and be left free of imperfections.
- 3.04 PROTECTION
  - A. Protect installed products until completion of project. B. Touch-up, repair or replace damaged products before Substantial Completion.
  - **END OF SECTION** 
    - **DIVISION 12 FURNISHINGS**

#### **SECTION 122400 WINDOW SHADES**

- PART 1 GENERAL
- 1.01 SECTION INCLUDES A. Interior manual roller shades.
- 1.02 REFERENCE STANDARDS
- A. NFPA 701 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films; 2015. B. UL (GGG) - GREENGUARD Gold Certified Products; Current Edition.
- C. UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems; Current Edition, Including All D. WCMA A100.1 - Standard for Safety of Window Covering Products; 2022.
- 1.03 SUBMITTALS
- A. See Section 013000 Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Include shade schedule indicating size, location and keys to details and mounting dimension requirements for each product and condition.
- C. Selection Samples: Include fabric samples in full range of available colors and patterns.
- 1.04 QUALITY ASSURANCE
- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience. 1.05 MOCK-UP
- A. Mock-Up: Provide full size mock-up of window shade system complete with selected shade fabric including example of seams and batten pockets when applicable. 1. Full-sized mock-up may become part of the final installation.
- PART 2 PRODUCTS
- 2.01 MANUFACTURERS
- A. Interior Manually Operated Roller Shades: 1. Draper, Inc; Clutch Operated FlexShade: www.draperinc.com/#sle.

2. Substitutions: See Section 016000 - Product Requirements.

#### 2.02 ROLLER SHADES

- 1. Provide shade system components that are easy to remove or adjust without removal of mounted shade brackets. 2. Provide shade system that operates smoothly when shades are raised or lowered.
- B. Roller Shades:
- Basis of Design: Draper Clutch Operated Flexshade. Description - Interior Roller Shades: Single roller, manually operated fabric window shade system complete with mounting brackets, roller tubes, hembars, hardware, and accessories.
- a. Mounting: Window jamb mounted inside, between jambs. b. Fabric: As indicated on drawings
- 3. Brackets and Mounting Hardware: As recommended by manufacturer for mounting indicated and to accommodate shade fabric roll-up size and weight.
- 4. Roller Tubes: As required for type of shade operation. 5. Hembars: Designed to maintain bottom of shade straight and flat.
- Manual Operation for Interior Shades:
- a. Clutch Operator: Manufacturer's standard material and design, permanently lubricated. b. Drive Chain: Continuous loop, beaded ball chain with restraining device, 95 lb minimum breaking strength;

comply with WCMA A100.1. Provide upper and lower limit stops.

## PART 3 EXECUTION

- 3.01 INSTALLATION A. Install in accordance with manufacturer's instructions and approved shop drawings, using mounting devices as indicated.
- B. Adjust level, projection, and shade centering from mounting bracket. Verify there is no telescoping of shade fabric. Ensure smooth shade operation.

#### **END OF SECTION**

#### **SECTION 123200** MANUFACTURED WOOD CASEWORK

#### PART 1 GENERAL 1.01 SECTION INCLUDES

- A. Manufactured standard and custom casework, with cabinet hardware.
- B. Countertops.

#### 1.02 RELATED REQUIREMENTS

- A. Section 061000 Rough Carpentry: Blocking and nailers for anchoring casework
- B. Section 079200 Joint Sealants: Sealing joints between casework and countertops and adjacent walls, floors, and
- C. Section 092116 Gypsum Board Assemblies: Reinforcements in metal-framed partitions for anchoring casework.
- D. Section 096500 Resilient Flooring: Resilient wall base.
- E. Section 123600 Countertops: Additional requirements for countertops.
- F. Section 224000 Plumbing Fixtures: Sinks and fittings installed in casework.
- G. Section 262726 Wiring Devices: Switches, receptacles installed in casework.

## 1.03 REFERENCE STANDARDS

- A. ASTM C920 Standard Specification for Elastomeric Joint Sealants; 2014.
- B. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials; 2015a.
- C. ASTM E119 Standard Test Methods for Fire Tests of Building Construction and Materials; 2015.
- D. AWI/AWMAC/WI (AWS) Architectural Woodwork Standards; 2014. E. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards, U.S. Version 3.1; 2016, with Errata (2017).
- F. BHMA A156.9 American National Standard for Cabinet Hardware; 2010.
- G. HPVA HP-1 American National Standard for Hardwood and Decorative Plywood; 2020. H. ISFA 3-01 - Classification and Standards for Quartz Surfacing Material; 2013.

## 1.04 SUBMITTALS

- See Section 013000 Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate casework types, sizes, and locations, using large scale plans, elevations, and cross sections. Include rough-in and anchors and reinforcements, placement dimensions and tolerances, clearances required, and keying
- C. Maintenance Data: Manufacturer's recommendations for care and cleaning.
- D. Finish touch-up kit for each type and color of materials provided

I. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.

#### PART 2 PRODUCTS 2.01 CASEWORK, GENERAL

A. Plastic Laminate Faced Cabinets: Custom Grade.

## 2.02 FABRICATION

- A. Assembly: Shop assemble casework items for delivery to site in units easily handled and to permit passage through
- B. Construction: Plywood construction with decorative laminate finish.
- C. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single
- D. Scribes and Fillers: Panels of matching construction and finish, for locations where cabinets do not fit tight to adjacent construction.

## 2.03 PLASTIC-LAMINATE-CLAD CASEWORK

- A. Plastic-Laminate-Clad Casework: Solid wood and wood panel construction; each unit self-contained and not dependent on adjacent units or building structure for rigidity; in sizes necessary to avoid field cutting except for scribes and filler panels. Include adjustable levelers for base cabinets. Style: Flush overlay. Ease doors and drawer fronts slightly at edges.
  - Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline. a. Finish: as indicated on drawings.

#### b. Surface Color and Pattern: As indicated on drawings. 2.04 COUNTERTOPS

A. Countertops: As specified in Section 123600.

## 2.05 CABINET HARDWARE

- A. Swinging Doors: Hinges, pulls, and catches.
- 1. Hinges: Concealed, number as required by referenced standards for width, height, and weight of door. a. Concealed Hinges: Installed in cabinet edge, and on door back, bright chromium plated over nickel on base
- 2. Pulls: Chrome decorative design, 6-5/8" inches wide. a. Basis of Design: Hafele Elemental Collection. Item No. 155.00.781, Black Finish
- B. Drawers: Pulls and slides.
- 1. Pulls: Chrome decorative design, 6-5/8" inches wide. a. Basis of Design: Hafele Elemental Collection. Item No. 155.00.781, Black Finish 2. Slides: Steel, full extension arms, ball bearings; self-closing; capacity as recommended by manufacturer for drawer

#### height and width. PART 3 EXECUTION

#### 3.01 PREPARATION A. Large Components: Ensure that large components can be moved into final position without damage to other construction.

## A. Site Verification of Environmental Conditions:

- 1. Do not deliver casework until the following conditions have been met: a. Building has been enclosed (windows and doors sealed and weather-tight).
- b. An operational HVAC system that maintains temperature and humidity at occupancy levels has been put in
- c. Ceiling, overhead ductwork, piping, and lighting have been installed. d. Installation areas do not require further "wet work" construction.
- B. Verify adequacy of support framing and anchors.

# C. Verify that service connections are correctly located and of proper characteristics.

- A. Perform installation in accordance with manufacturer's instructions.
- B. Use anchoring devices to suit conditions and substrate materials encountered. Use concealed fasteners to the greatest degree possible. Use exposed fasteners only where allowed by approved shop drawings, or where concealed fasteners
- C. Set casework items plumb and square, securely anchored to building structure.

- D. Align cabinets to adjoining components, install filler and/or scribe panels where necessary to close gaps.
- E. Fasten together cabinets in continuous runs, with joints flush, uniform and tight. Misalignment of adjacent units not to
- exceed 1/16 inch. In addition, do not exceed the following tolerances: Variation of Tops of Base Cabinets from Level: 1/16 inch in 10 feet.
- Variation of Faces of Cabinets from a True Plane: 1/8 inch in 10 feet. Variation of Adjacent Surfaces from a True Plane (Lippage): 1/32 inch.
- 4. Variation in Alignment of Adjacent Door and Drawer Edges: 1/16 inch. F. Base Cabinets: Fasten cabinets to service space framing and/or wall substrates, with fasteners spaced not more than 16
- inches on center. Bolt adjacent cabinets together with joints flush, tight, and uniform.
- G. Install hardware uniformly and precisely. H. Countertops: Install countertops intended and furnished for field installation in one true plane, with ends abutting at
- hairline joints, and no raised edges. I. Replace units that are damaged, including those that have damaged finishes.

#### 3.04 CLEANING A. Clean casework and other installed surfaces thoroughly.

- 3.05 PROTECTION
- A. Do not permit finished casework to be exposed to continued construction activity.
- B. Protect casework and countertops from ongoing construction activities. Prevent workmen from standing on, or storing
- tools and materials on casework or countertops. C. Repair damage, including to finishes, that occurs prior to Date of Substantial Completion, using methods prescribed by manufacturer; replace units that cannot be repaired to like-new condition.

**END OF SECTION** 

### **SECTION 123600** COUNTERTOPS

#### PART 1 GENERAL

- 1.01 SECTION INCLUDES A. Countertops for architectural cabinet work.
- B. Wall-hung counters and vanity tops.
- 1.02 REFERENCE STANDARDS
- A. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials; 2015a.
- B. AWI/AWMAC/WI (AWS) Architectural Woodwork Standards; 2014.
- C. AWMAC/WI (NAAWS) North American Architectural Woodwork Standards, U.S. Version 3.1; 2016, with Errata (2017).
- D. ISFA 3-01 Classification and Standards for Quartz Surfacing Material; 2013. E. MIA (DSDM) - Dimensional Stone Design Manual, Version VIII; 2016.
- F. NEMA LD 3 High-Pressure Decorative Laminates; 2005.

#### G. PS 1 - Structural Plywood; 2009. 1.03 SUBMITTALS

- A. See Section 013000 Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including: Preparation instructions and recommendations.
- Storage and handling requirements and recommendations. Specimen warranty.
- C. Shop Drawings: Complete details of materials and installation; combine with shop drawings of cabinets and casework specified in other sections. D. Verification Samples: For each finish product specified, standard sample size, representing actual product, color, and
- E. Test Reports: Chemical resistance testing, showing compliance with specified requirements.
- G. Maintenance Data: Manufacturer's instructions and recommendations for maintenance and repair of countertop surfaces. 1.04 QUALITY ASSURANCE
- A. Installer Qualifications: Company specializing in performing work of the type specified in this section, with not less than three years of documented experience.

F. Certificate: Submit labels and certificates required by quality assurance and quality control programs.

Provide labels or certificates indicating that the installed work complies with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade or grades specified. Provide designated labels on shop drawings as required by certification program.

Provide designated labels on installed products as required by certification program

Submit certifications upon completion of installation that verifies this work is in compliance with specified

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation. B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with
- requirements of local authorities having jurisdiction. 1.06 FIELD CONDITIONS
- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits. PART 2 PRODUCTS
- 2.01 COUNTERTOPS

B. Quartz over continuous substrate.

- A. Quality Standard: Premium Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted
  - Flat Sheet Thickness: 1-1/8" inch, minimum. Quartz Slabs: Complying with ISFA 3-01 and NEMA LD 3; resin, mineral filler, and pigments; homogenous, non-porous and capable of being worked and repaired using standard woodworking tools; no surface coating; color

and pattern consistent throughout thickness.

 a. Manufacturers: Wilsonart: www.wilsonart.com.

Substitutions: See Section 016000 - Product Requirements.

A. Fabricate tops and splashes in the largest sections practicable, with top surface of joints flush.

Join lengths of tops using best method recommended by manufacturer.

- b. Factory fabricate components to the greatest extent practical in sizes and shapes indicated; comply with the MIA Dimension Stone Design Manual.
- Finish on Exposed Surfaces: Polished. Color and Pattern: As indicated on drawings.
- 3. Other Components Thickness: 3/4 inch, minimum.
- A. Plywood for Supporting Substrate: PS 1 Exterior Grade, A-C veneer grade, minimum 5-ply; minimum 3/4 inch thick; join lengths using metal splines
- B. Adhesives: Chemical resistant waterproof adhesive as recommended by manufacturer of materials being joined.
- C. Joint Sealant: Mildew-resistant silicone sealant, white. 2.03 FABRICATION
- Fabricate to overhang fronts and ends of cabinets 1 inch except where top butts against cabinet or wall. Prepare all cutouts accurately to size; replace tops having improperly dimensioned or unnecessary cutouts or fixture

2. Support counter depth up to 25"

B. Wall-Mounted Counters: Provide skirts, aprons, brackets, and braces as indicated on drawings, finished to match 2.04 ACCESSORIES

#### A. In-Wall Counter Support Bracket 1. Basis of Design: The Original Granite Bracket

- PART 3 EXECUTION 3.01 EXAMINATION
- A. Do not begin installation until substrates have been properly prepared. B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before
- C. Verify that wall surfaces have been finished and mechanical and electrical services and outlets are installed in proper locations.

3.02 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

## 3.03 INSTALLATION

A. Securely attach countertops to cabinets using concealed fasteners. Make flat surfaces level; shim where required.

#### B. Seal joint between back/end splashes and vertical surfaces.

- 3.04 TOLERANCES
- B. Offset From Wall, Countertops: 1/8 inch maximum; 1/16 inch minimum. C. Field Joints: 1/8 inch wide, maximum.
- 3.05 CLEANING

## A. Clean countertops surfaces thoroughly.

3.06 PROTECTION A. Protect installed products until completion of project.

A. Variation From Horizontal: 1/8 inch in 10 feet, maximum.

B. Touch-up, repair or replace damaged products before Date of Substantial Completion. END OF SECTION

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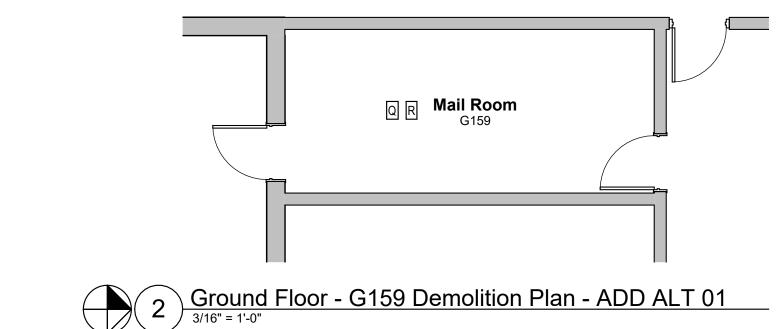
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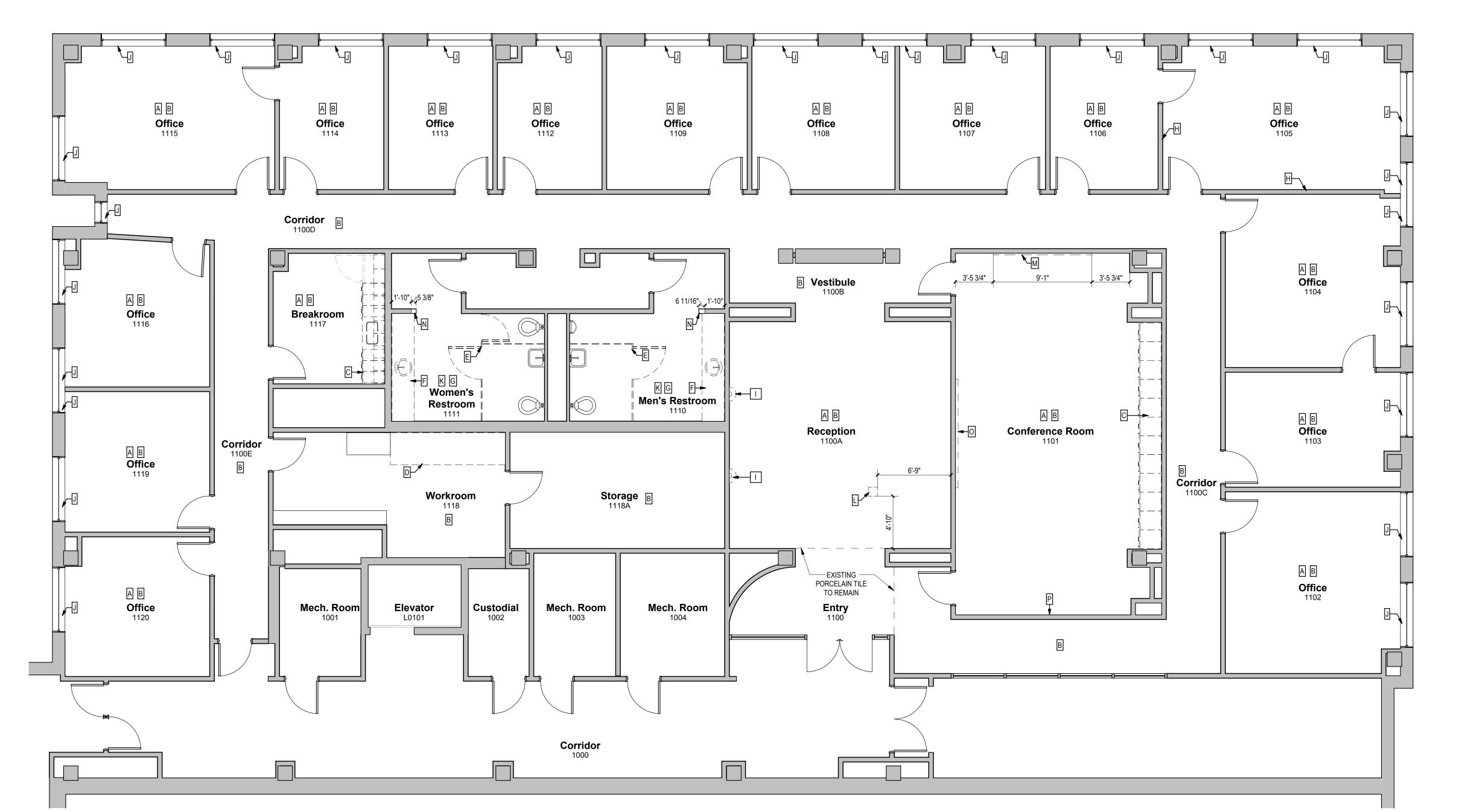
Specifications

Tallahassee, Florida 32301

Sheet No.:

Architects Lewis + Whitlock 206 West Virginia St.





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

**GENERAL NOTES - DEMOLITION PLAN** 

PROVIDE SAFE MEANS OF EGRESS THROUGH AND AROUND THE BUILDING AND SITE AT ALL TIMES. PROVIDE FIRE EXTINGUISHERS PER AUTHORITY HAVING JURISDICTION 'S REQUIREMENTS AT ALL TIMES

THROUGHOUT CONSTRUCTION AREA. ALL SHUTDOWNS OF MECHANICAL, SPRINKLER, FIRE ALARM AND ELECTRICAL SYSTEMS SHALL BE

COORDINATED WITH OWNER. COMPLY WITH AUTHORITY HAVING JURISDICTION 'S REQUIREMENTS FOR NOTIFICATION, FIRE WATCH, RE-TESTING, ETC.

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

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

CONTRACTOR TO PROTECT INTERIOR FROM EXTERIOR CONDITIONS INFILTRATING INTERIOR ENVIRONMENT. VERIFY EXISTING CONDITIONS AND DIMENSIONS. COORDINATE THE EXTENT OF DEMOLITION WORK AND EXISTING CONSTRUCTION TO REMAIN WITH NEW WORK. NOTIFY ARCHITECT OF CONFLICTS.

DASHED LINES INDICATE EXISTING CONSTRUCTION TO BE REMOVED, UNLESS NOTED OTHERWISE. REFER TO STRUCTURAL AND MEP DRAWINGS FOR SPECIFIC DISCIPLINE DEMOLITION ITEMS NOT SHOWN OR WHERE EXISTING CONSTRUCTION IS REMOVED, CUT, DRILLED, DAMAGED OR OTHERWISE DISTURBED, PATCH

DEFECTIVE AND INCOMPLETE SURFACES AS REQUIRED TO MATCH ADJACENT, EXISTING UNDAMAGED SURFACES, UNLESS OTHERWISE NOTED. REMOVE DESIGNATED WALLS AND PARTITIONS IN THEIR ENTIRETY INCLUDING DUCTS, PIPING, CONDUITS,

BRACING AND OTHER ELEMENTS IN OR ON THESE ASSEMBLIES WHICH MAY OR MAY NOT BE SPECIFICALLY IDENTIFIED, UNLESS OTHERWISE NOTED. REPAIR / PATCH OPENINGS IN WALLS, PARTITIONS, FLOORS AND CEILINGS THAT ARE TO REMAIN TO MATCH

EXISTING, ADJACENT FINISHED SURFACE. MAINTAIN PENETRATION LISTINGS AND ALL FIRE RATING

PATCH FIRE PROOFING AS REQUIRED TO MAINTAIN RATING. REFER TO LIFE SAFETY DRAWINGS. THOROUGHLY CLEAN AND PREPARE ALL SURFACES TO RECEIVE NEW FINISH OR COVERING. COMPLETELY REMOVE DIRT, DUST, GREASE, OIL, PAINT, LOOSE MATERIALS, SOIL, ETC AS NECESSARY. PLACE SURFACES IN MOST SUITABLE CONDITION FOR NEW FINISH.

THE FOLLOWING ITEMS TO BE SALVAGED AND TURNED OVER TO THE OWNER: ALL ITEMS INDICATED TO BE REMOVED AND SALVAGED FROM EXISTING WALLS INCLUDING BUT NOT LIMITED TO EQUIPMENT, TACK BOARDS, MARKER BOARDS, CORNER GUARDS, MIRRORS, SIGNS, DOORS/HARDWARE, NOTIFICATION DEVICES, ETC, SHALL BE RETURNED TO OWNER, UNLESS DIRECTED OTHERWISE. PATCH WALLS AS REQUIRED FOR NEW FINISHES.

WHERE EXISTING PIPING IS PARTIALLY REMOVED, CAP AND TAG END OF REMAINING PORTION. REFER TO DEMOLITION CEILING PLANS FOR EXTENT OF CEILING DEMOLITION. REMOVE UNUSED SUSPENSION WIRES, WALL ANGLES, BRACES, STRUTS, FRAMING, ETC.

# **DEMOLITION KEYED NOTES**

EXISTING FURNITURE TO BE REMOVED IN ITS ENTIRETY. EXISTING FLOORING & RESILIENT WALL BASE TO BE REMOVED IN ITS ENTIRETY. REMOVE CASEWORK.

REMOVE COUNTERTOP ONLY.

REMOVE RESTROOM PARTITIONS IN ITS ENTIRETY. REMOVE VANITY & ASSOCIATED PLUMBING FIXTURES, SEE PLUMBING.

REMOVE ALL WALL-MOUNTED TOILET ACCESSORIES. REMOVE WALL COVERING IN ITS ENTIRETY.

REMOVE WALL SCONCE.

REMOVE SLAT WINDOW BLINDS. REMOVE ALL EXISTING CERAMIC FLOOR AND WALL TILE. PATCH AND REPAIR

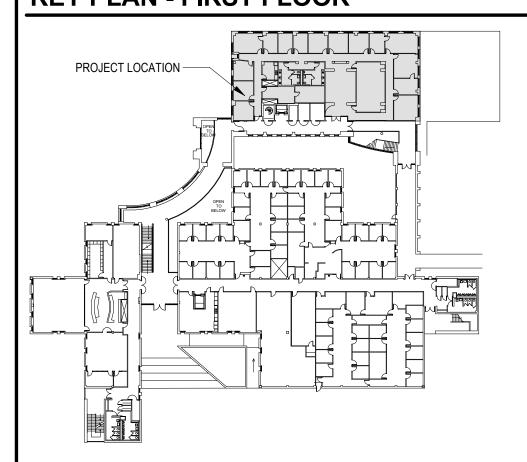
SUBFLOOR AND WALL SUBSTRATE AS REQUIRED TO RECEIVE NEW TILE. CORE DRILL EXISTING SLAB AT LOCATION INDICATED ON PLAN FOR NEW FLOOR RECPETACLE BOX. ACCESS UNDERNEATH OF SLAB AT ROOM G106. PROTECT/REPLACE ANY AND ALL CEILING TILES IN RM. G106. SEE ELECTRICAL FOR

SIZE REQUIREMENTS. REMOVE & SALVAGE EXISTING WD WALL BASE TO EXTENTS INDICATED FOR NEW PARTITION LOCATION. SEE RENOVATION PLAN FOR LOCATION OF SALVAGED WB. REMOVE EXISTING WALL TO EXTENTS INDICATED. PATCH & REPAIR DRYWALL AS

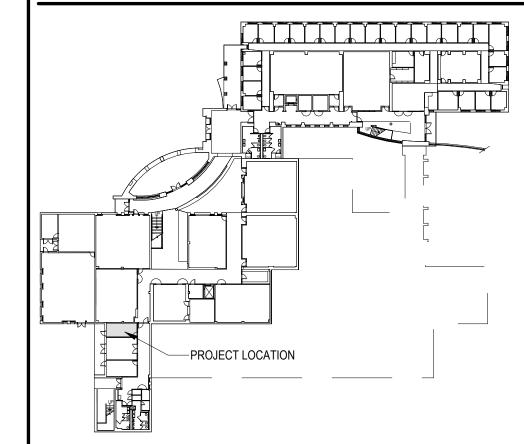
REQUIRED FOR FINAL FINISHES. REMOVE WALL-MOUNTED ACOUSTIC PANELS. TURN OVER TO OWNER.

REMOVE GLASSBOARD. ADD ALT 01: EXISTING FURNITURE TO BE REMOVED IN ITS ENTIRETY. ADD ALT 01: EXISTING FLOORING & RESILIENT WALL BASE TO BE REMOVED IN ITS

# **KEY PLAN - FIRST FLOOR**



# **KEY PLAN - GROUND FLOOR**



Architects Lewis + Whitlock 206 West Virginia St. Tallahassee, Florida 32301

Florida State Stone Building

1100

Suite

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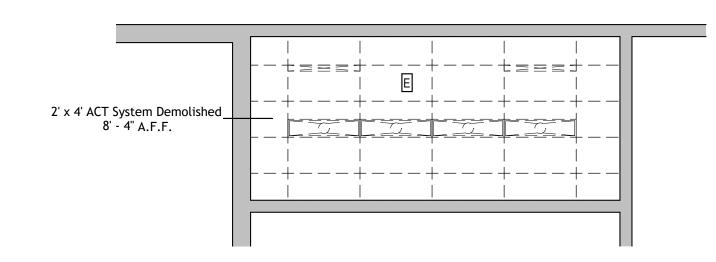
MS MS

www.think3d.net Description: Demolition Architectural Plan

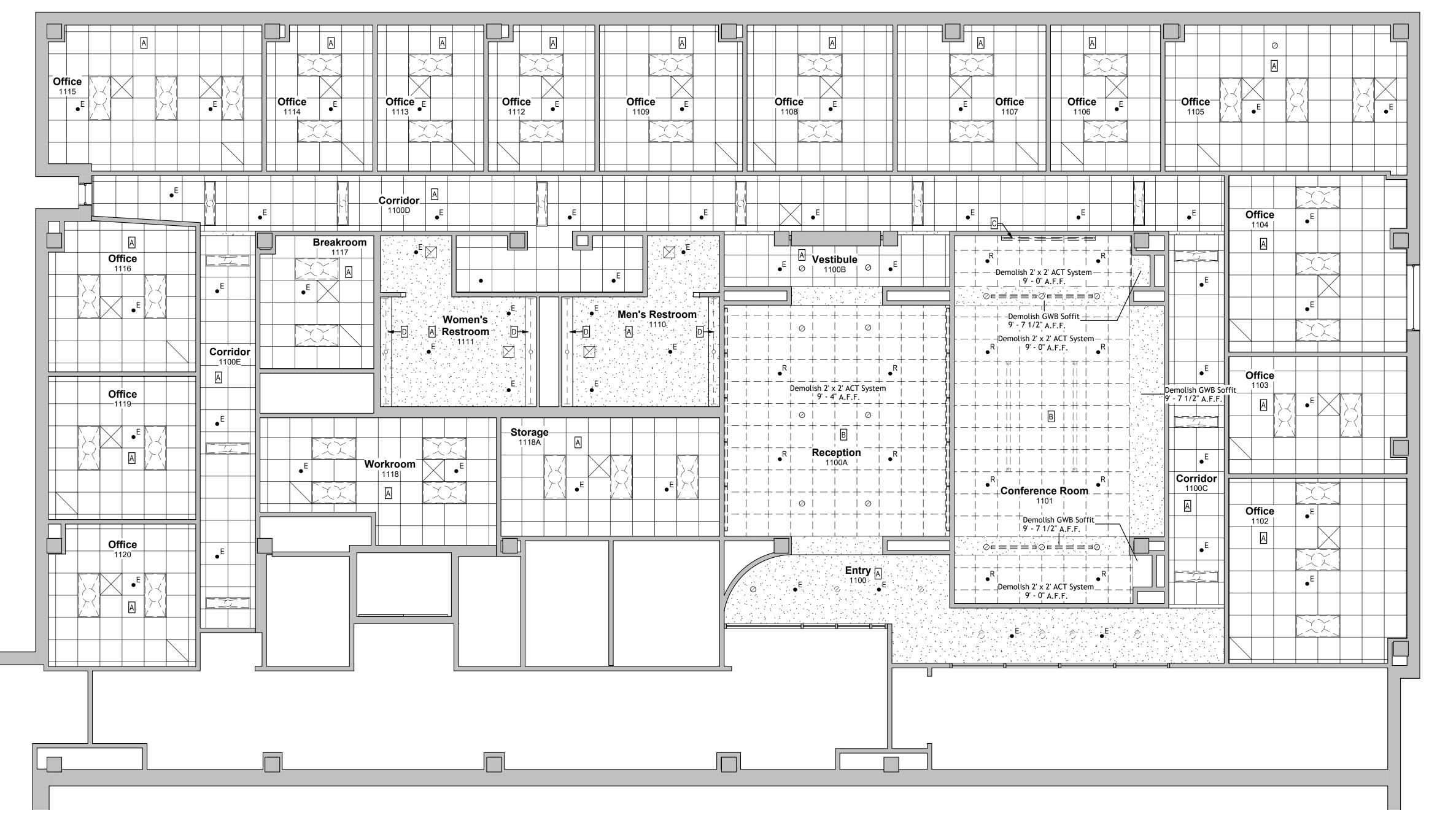
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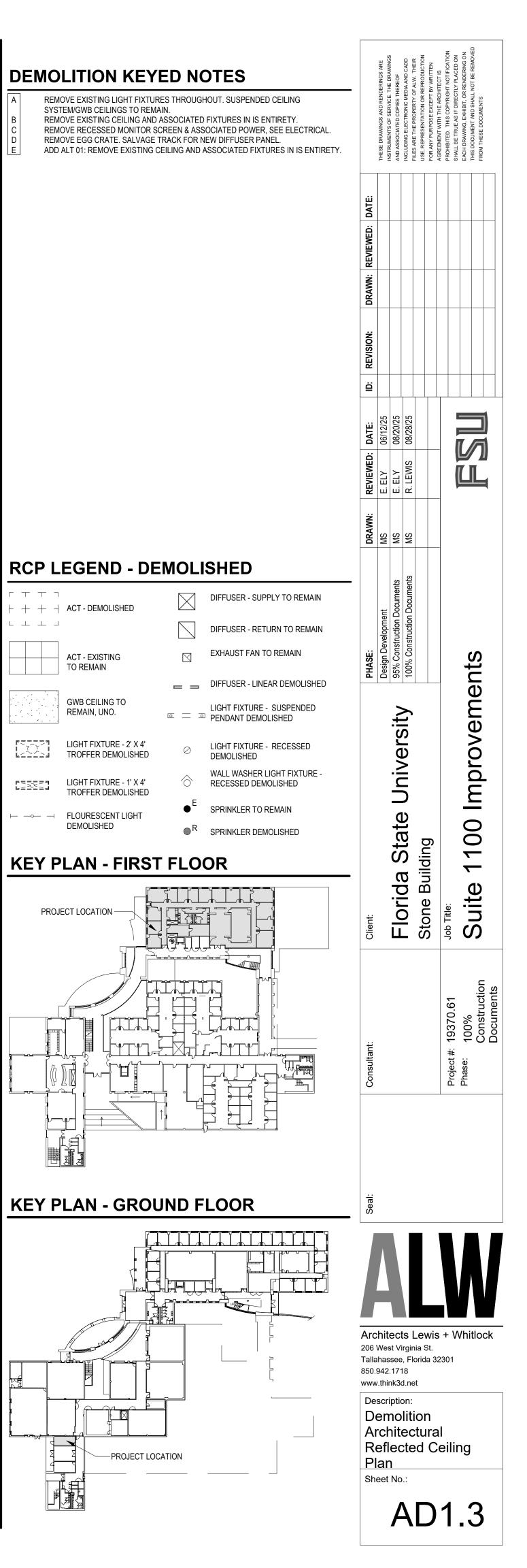
850.942.1718

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2 Ground Floor - G159 Demolition RCP - ADD ALT 01







36" GRAB BAR, 1 1/2" DIA - BRADLEY - MODEL 821 - SAFETY GRIP TOILET TISSUE DISPENSER - GEORGIA PACIFIC - 59209 - 2-ROLL SIDE BY SIDE JUMBO JR.

SOAP DISPENSER - GEORGIA PACIFIC - 52057 - ENMOTION GEN2 AUTO TOUCHLESS SOAP &

MIRROR - BRADLEY 747 - FRAMELESS MIRROR - 42" X 72"

MIRROR - BRADLEY 747 - FRAMELESS MIRROR - 24" X 36"

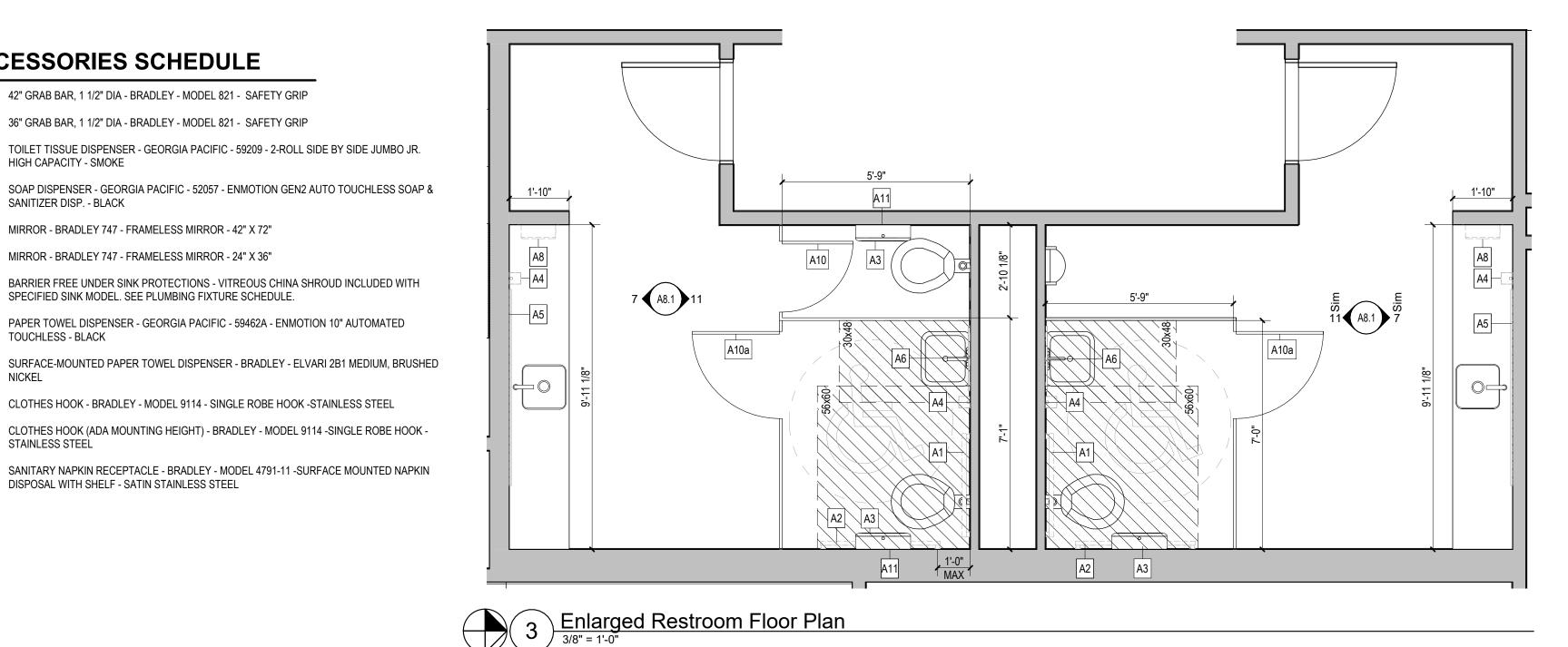
BARRIER FREE UNDER SINK PROTECTIONS - VITREOUS CHINA SHROUD INCLUDED WITH SPECIFIED SINK MODEL. SEE PLUMBING FIXTURE SCHEDULE.

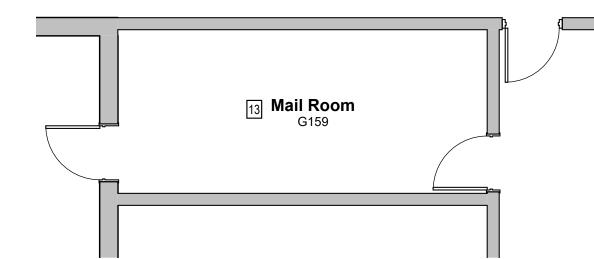
PAPER TOWEL DISPENSER - GEORGIA PACIFIC - 59462A - ENMOTION 10" AUTOMATED TOUCHLESS - BLACK

CLOTHES HOOK - BRADLEY - MODEL 9114 - SINGLE ROBE HOOK -STAINLESS STEEL

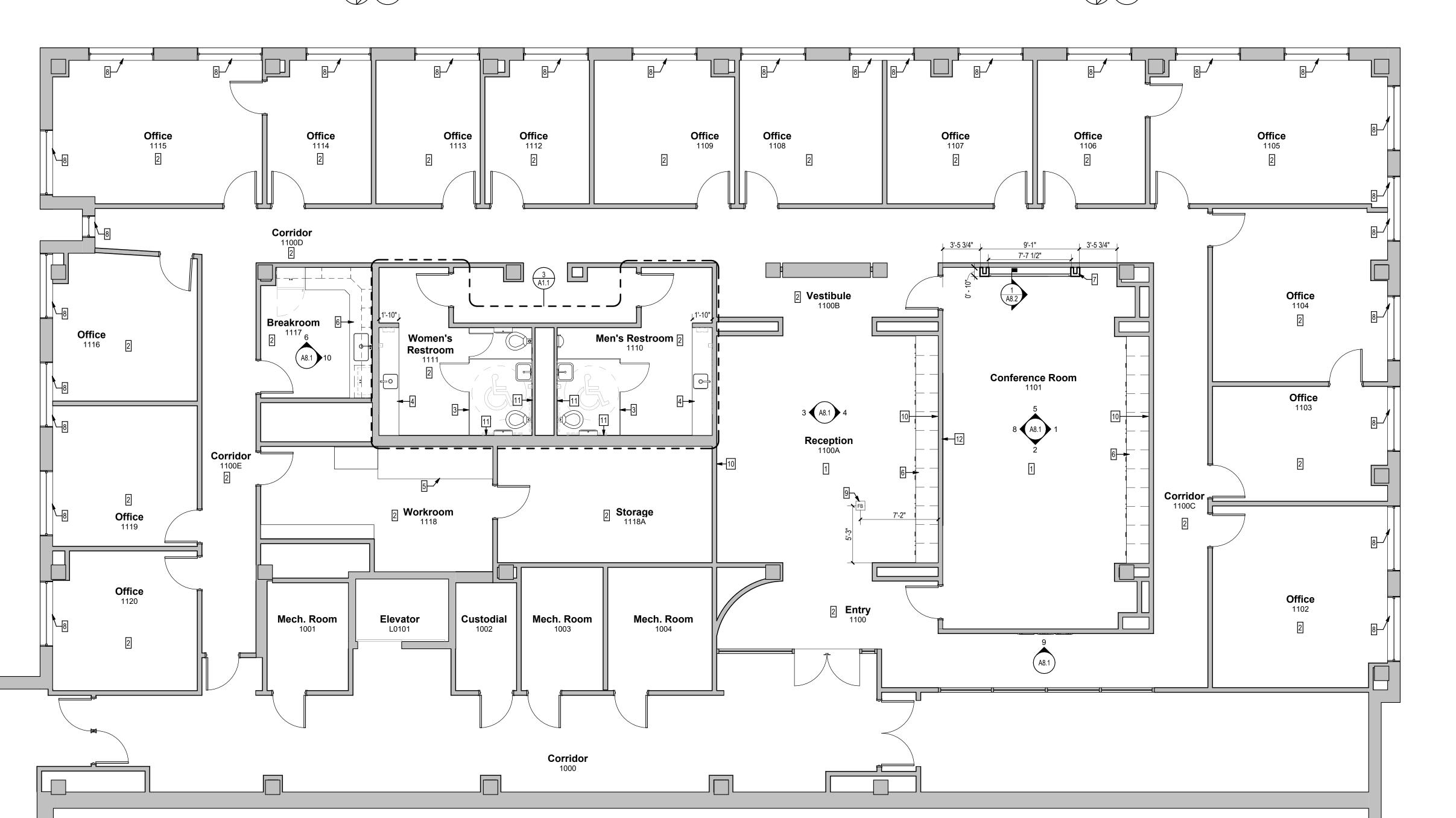
CLOTHES HOOK (ADA MOUNTING HEIGHT) - BRADLEY - MODEL 9114 -SINGLE ROBE HOOK -STAINLESS STEEL

SANITARY NAPKIN RECEPTACLE - BRADLEY - MODEL 4791-11 -SURFACE MOUNTED NAPKIN DISPOSAL WITH SHELF - SATIN STAINLESS STEEL





Ground Floor - G159 Renovation Floor Plan -



## GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND BECOME FAMILIAR WITH ALL CONDITIONS WHICH MAY AFFECT THE WORK, PRIOR
- PLAN DIMENSIONS ARE TO FACE OF MASONRY AT MASONRY WALLS, FACE OF FRAMING AT FRAMED WALLS, AND FACE OF FINISH AT EXISTING FRAMED WALLS.
- ALL NEW WALL SURFACES SHALL BE FINISHED AND PAINTED PER FINISH SCHEDULE AND SPECIFICATIONS.
- CLEAN AND PREP ALL AREAS WITHIN SCOPE OF WORK TO RECEIVE NEW FINISHES. DIMENSIONS INDICATED FOR EX. CONSTRUCTION ARE ASSUMED TO BE ACCURATE
- CONTRACTOR SHALL PATCH AND REPAIR ALL WALLS THAT ARE IMPACTED BY MECHANICAL AND/OR ELECTRICAL CONDUIT, PIPING, AND ALL OTHER MISC
- 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
- THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL TRADES AND WORK, INCLUDING THE WORK OF OTHERS WHERE AFFECTED. 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 OWNER'S RECORD COPY. NO EXISTING FIRE EXTINGUISHERS ARE TO BE REUSED.
- WHEN NEW CONSTRUCTION IS INDICATED TO PATCH OR ALIGN WITH EXISTING CONSTRUCTION, ALIGN NEW FINISHES WITH ADJACENT EXISTING FINISHES,
- LOCATE AND PROVIDE ALL BLOCKING REQUIRED FOR INSTALLATION OF ALL
- MILLWORK, CASEWORK, ACCESSORIES, FURNITURE, AND EQUIPMENT, TYP. 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.

## CONSTRUCTION KEYED NOTES

- NEW FLOOR, WALL, AND CEILING FINISHES THROUGHOUT.
- NEW FLOOR & WALL FINISHES THROUGHOUT. NEW RESTROOM PARTITONS TO EXTENTS INDICATED.
- NEW VANITY & SINK, SEE ELEVATIONS.
- NEW COUNTERTOP ON EXISTING CASEWORK.
- NEW CASEWORK & COUNTERTOP.
- NEW 2 1/2" MTL STUD PARTITION W/ 5/8" GWB, ONE SIDE, TO EXTENTS INDICATED. MATCH EXISTING WOOD WALL BASE STAIN & PROFILE. SEE DETAIL 8/A8.1. PROVIDE FINISHED OPENING IN WALL FOR EXISTING MONITOR & EQUIPMENT, SEE
- NEW ROLLER SHADES. CONTRACTOR TO FIELD VERIY WINDOW OPENING SIZE.
- NEW FLOOR BOX, SEE ELECTRICAL. NEW ACCENT WALL COVERING, SEE ELEVATIONS, FINISH SCHEDULE AND FINISH
- ADD BLOCKING IN WALL AS REQUIRED FOR NEW GRAB BARS.
- ADD BLOCKING IN WALL AS REQUIRED FOR GLASS BOARD. ADD ALT 01: NEW FLOOR, WALL, AND CEILING FINISHES THROUGHOUT.

## CODE COMPLIANCE NOTES

Occupancy Type: Area Modified: All Interior Finishes:

Occupant Load:

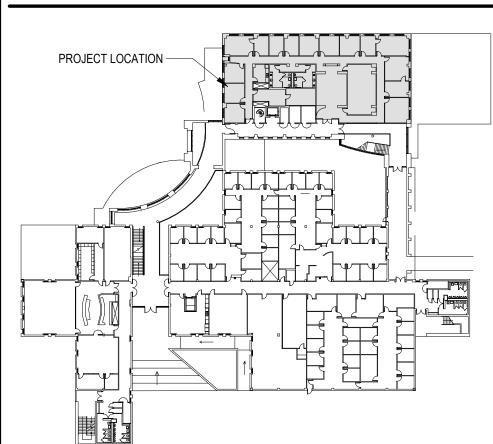
**Construction Type:** Compliance Method: Firm Alarm System Status: Class C Minimum Flame Spread Rating Class A or B at exits and exit access per table 803.9 Type IIB (Assumed) Level II Alteration, Florida Existing Building Code

Fire Sprinkler System Status: Existent Unchanged

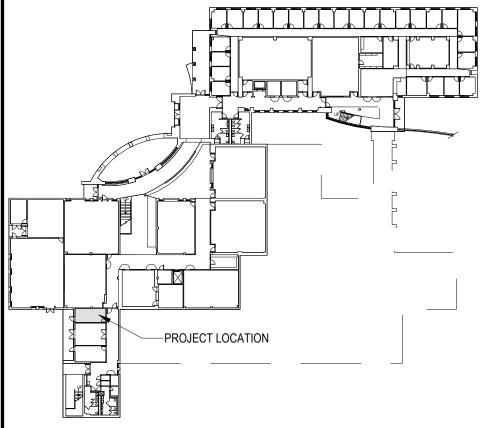
Existent

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

## **KEY PLAN - FIRST FLOOR**



# **KEY PLAN - GROUND FLOOR**



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

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MS MS

Florida State Stone Building

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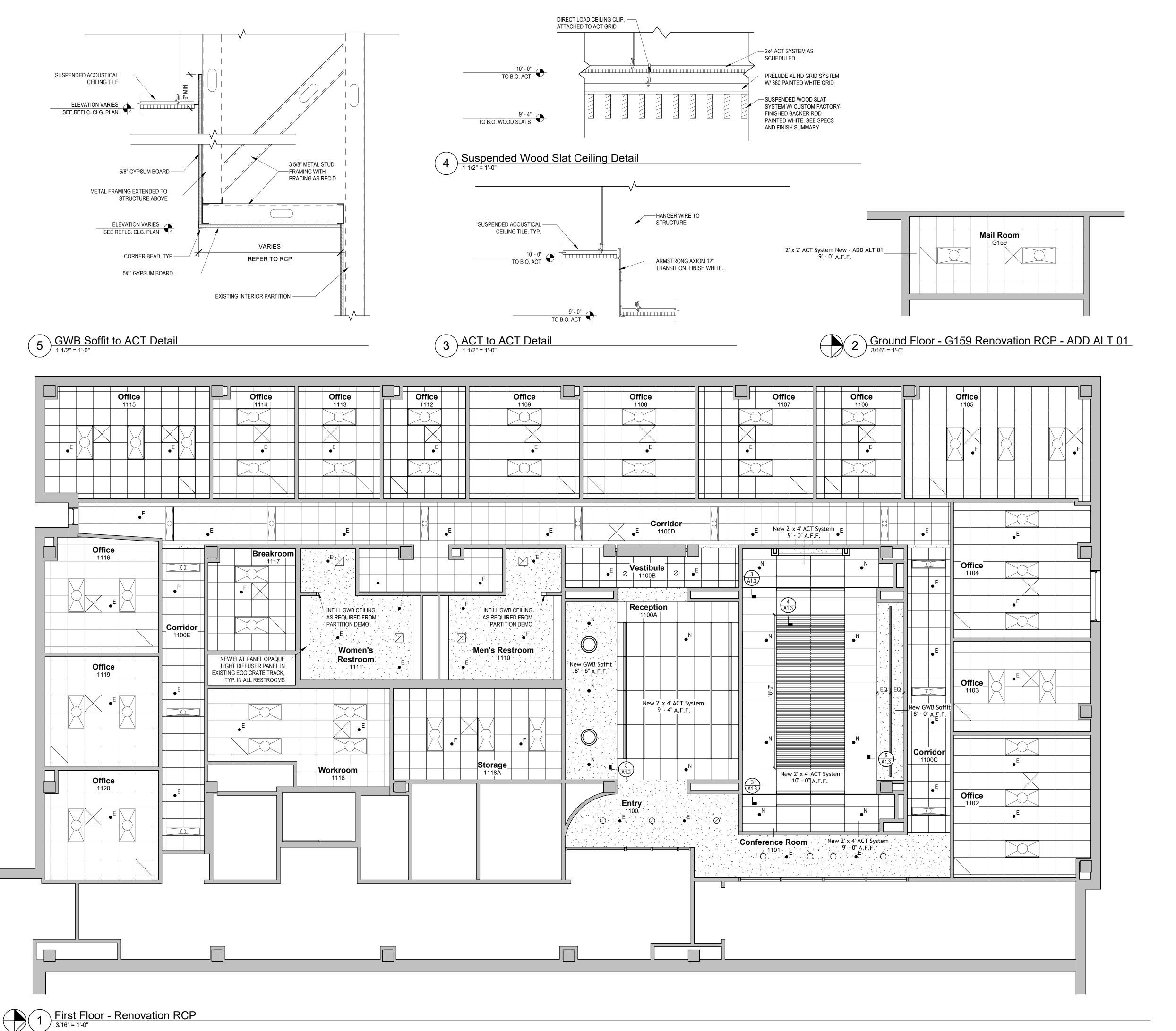
Suite

Description: Architectural Floor

Sheet No.:

www.think3d.net

A1.1



**GENERAL NOTES - RCP** NEW CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR DATUM ELEVATION TO FINISHED CEILING AND ARE NOTED ON THE DRAWINGS AS (XX'-XX"). ACOUSTICAL CEILING GRID SHALL BE CENTERED IN ROOM UNLESS OTHERWISE NOTED. CENTER LIGHT FIXTURES, SPEAKERS, SMOKE DETECTORS, GRILLES, SPRINKLER HEADS, ELECTRICAL, MECHANICAL AND OTHER DEVICES IN CEILING TILES UNLESS OTHERWISE NOTED. ALL EXISTING/NEW GYPSUM BOARD CEILINGS ARE TO BE PAINTED PT-XX UNLESS OTHERWISE NOTED 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. PROVIDE RECESSED / CONCEALED SPRINKLER HEADS IN GYPSUM BOARD CEILINGS, SOFFITS AND CLOUDS UNLESS OTHERWISE NOTED. 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 APPLICAPBLE 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. 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. PROVIDE CUT-OUTS AND OPENINGS FOR ITEMS WHICH PENETRATE THROUGH CEILINGS SYSTEMS (INCLUDING SPECIAL EQUIPMENT HANGERS AND DEVICES, CONDUIT, PIPING, ELECTRICAL REQUIREMENTS, ETC.). COORDINATE LOCATIONS WITH ARCHITECT AND SPECIFIC DISCIPLINE. 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. ROWS OF LIGHT FIXTURES TO ALIGN ACROSS ADJACENT AREAS, UNLESS OTHERWISE NOTED. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR EXACT FIXTURE TYPES. ALL STRUCTURAL AND MEP ITEMS ARE SHOWN FOR REFERENCE. REFER TO SPECIFIC DISCIPLINE FOR MORE 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 SUPPLY AIR DIFFUSER, EXISTING TO REMAIN MS MS 2x4 ACT - NEW RETURN AIR GRILLE, EXISTING TO REMAIN 2x2 ACT - EXISTING ADD ALT 01:
NEW SUPPLY AIR DIFFUSER TO REMAIN ADD ALT 01: NEW GWB CEILINGS -NEW RETURN AIR GRILLE PAINTED NEW SUPPLY/RETURN LINEAR SLOT DIFFUSER EXISTING GWB CEILING LIGHT FIXTURE - LINEAR SUSPENDED WOOD SLAT LIGHT FIXTURE - SUSPENDED CEILING W/ INTEGRATED PENDANT LIGHT FIXTURES NEW 2X4 LED LIGHT FIXTURE NEW SPRINKLER EXISTING SPRINKLER NEW RECESSED LIGHT FIXTURE NEW WALL WASHER Florida State Stone Building LIGHT FIXTURE 100 **KEY PLAN - FIRST FLOOR** Suite PROJECT LOCATION -**KEY PLAN - GROUND FLOOR** 

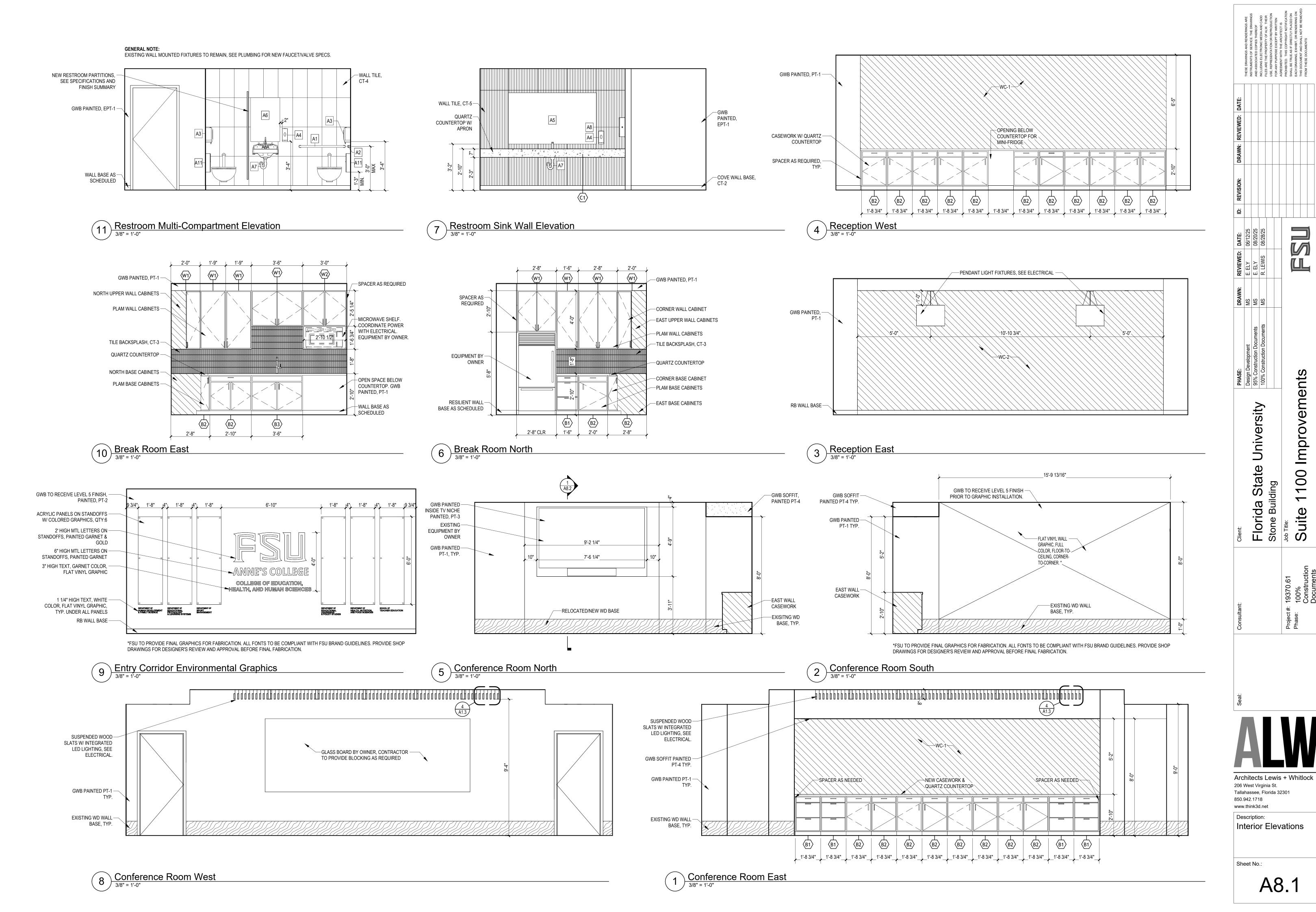
PROJECT LOCATION

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

Description:
Reflected Ceiling

Sheet No.:

A1.3

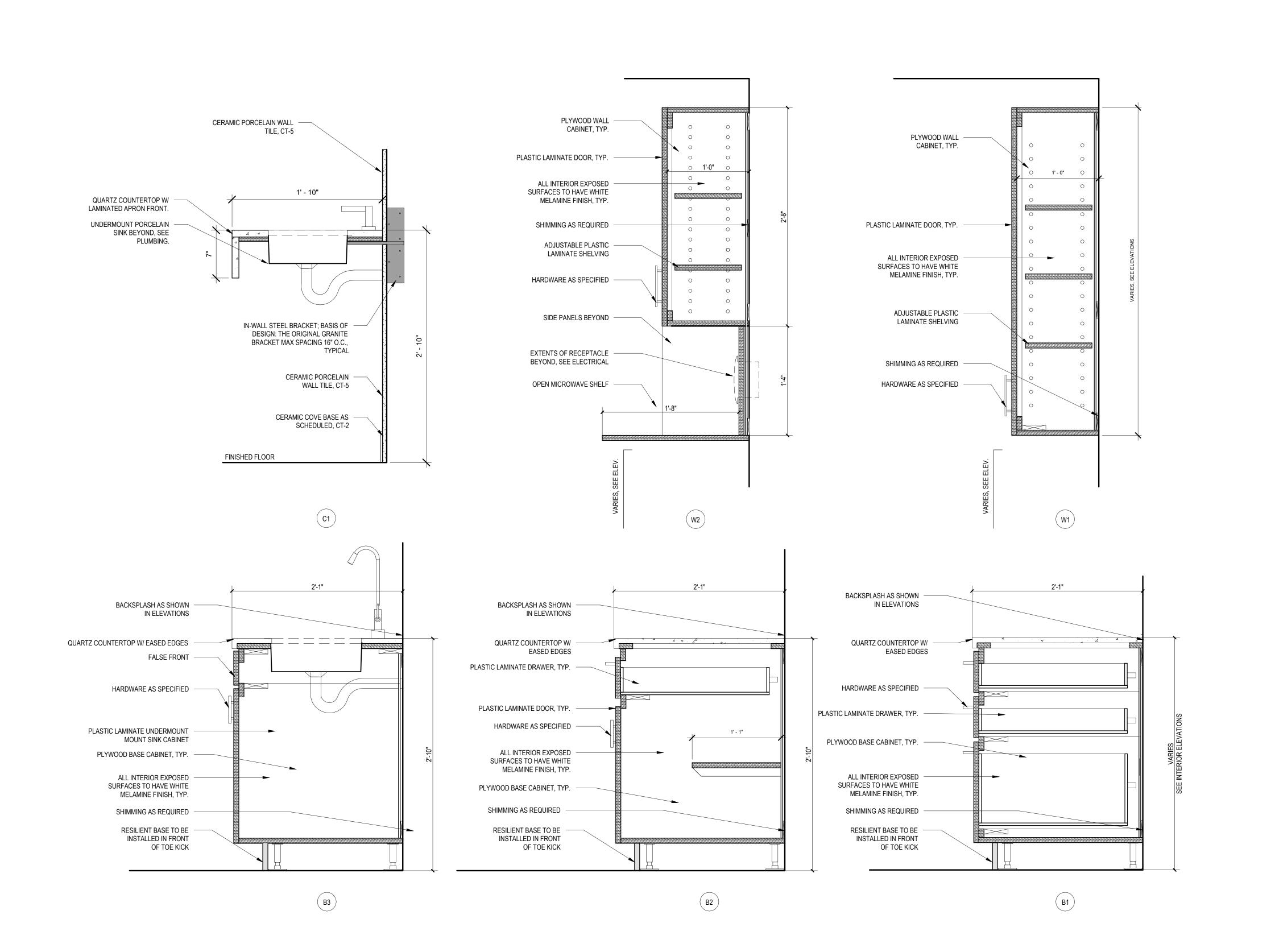


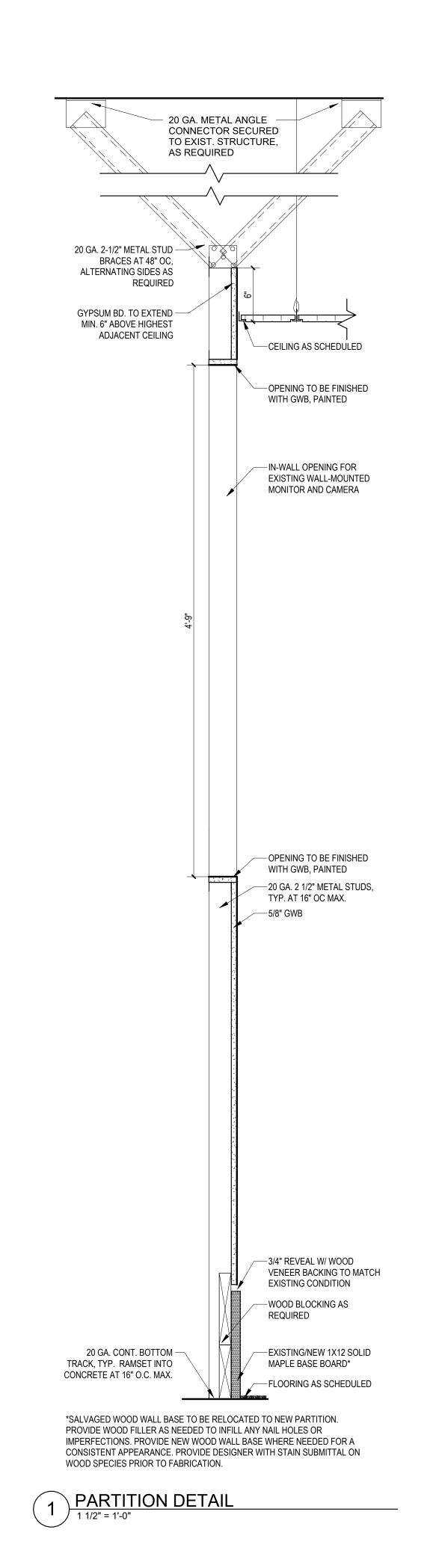
A8.1

Improvements

100

Suite





REVIEWE E. ELY E. ELY R. LEWIS MS MS Florida State Stone Building Job Title: Suite 1100 I

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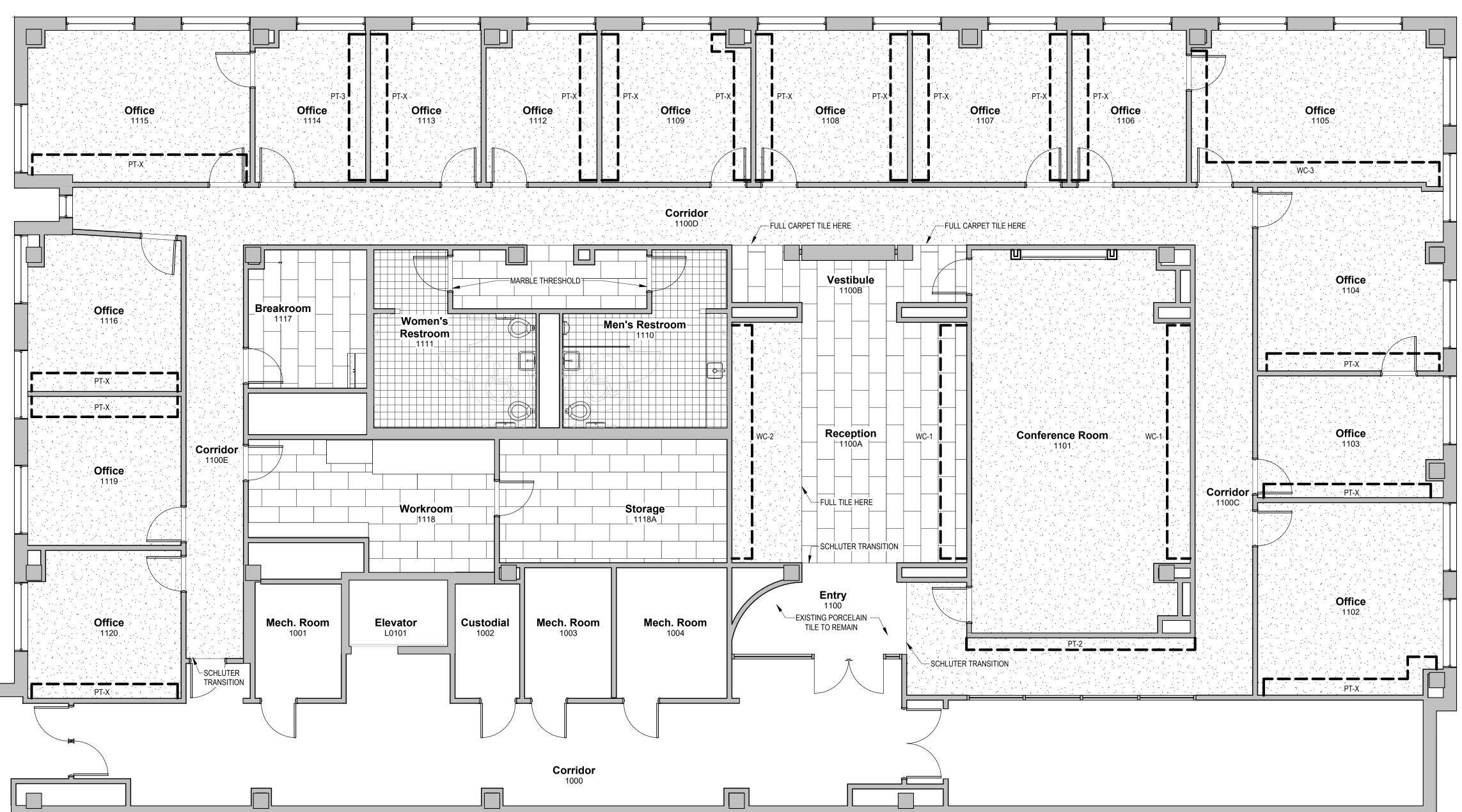
Description: Casework Details

Sheet No.:

				FINISH SCHEDULE				
		F	LOOR	WALLS		CEILING		
ROOM#	ROOM NAME	FLOOR	BASE	MAT'L	FINISH	MAT'L	FINISH	REMARKS
1100	Entry	EXISTING CT	RB	EXISTING GWB	PT-1	EXISTING GWB	PT-4	
1100A	Reception	CPT/LVT	RB	EXISTING GWB	PT-1/WC-1/WC-2	GWB/ACT	PT-4	
1100B	Vestibule	LVT	EXISTING WD/ RB	EXISTING GWB/EXPOSED CONCRETE	PT/EXPOSED CONCRETE	EXISTING GWB	PT-4	1
1100C	Corridor	CPT	RB	EXISTING GWB	PT-1	EXISTING ACT/GWB	PT-4	
1100D	Corridor	CPT	RB	EXISTING GWB	PT-1	EXISTING ACT/GWB	PT-4	
1100E	Corridor	CPT	RB	EXISTING GWB	PT-1	EXISTING ACT/GWB	PT-4	
1101	Conference Room	CPT	EXISTING/NEW WD	EXISTING/NEW GWB	PT-1/WC-1	GWB/ACT/WD SLATS	PT-4/STAIN	2,7
1102	Office	CPT	RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
1103	Office	CPT	RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
1104	Office	CPT	RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
1105	Office	CPT	RB	EXISTING GWB	PT-1/WC-3	EXISTING ACT	-	5
1106	Office	CPT	RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
1107	Office	CPT	RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
1108	Office	CPT	RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
1109	Office	CPT	RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
1110	Men's Restroom	CT-1	CT-2	EXISTING/NEW GWB	EPT-1/CT-4/CT-5	EXISTING GWB	EPT-4	6
1111	Women's Restroom	CT-1	CT-2	EXISTING/NEW GWB	EPT-1/CT-4/CT-5	EXISTING GWB	EPT-4	6
1112	Office	CPT	RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
1113	Office	CPT	RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
1114	Office	CPT	RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
1115	Office		RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
1116	Office	CPT	RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
1117	Breakroom	LVT	RB	EXISTING GWB	PT-1/CT-3	EXISTING ACT	-	
1118	Workroom	LVT	RB	EXISTING GWB	PT-1	EXISTING ACT	-	
1118A	Storage		RB	EXISTING GWB	PT-1	EXISTING ACT	-	
1119	Office	CPT	RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
1120	Office	CPT	RB	EXISTING GWB	PT-1/PT-2 OR PT-3	EXISTING ACT	-	5
G159	Mail Room	LVT	RB	EXISTING GWB	PT-1	ACT	-	3, 4

## REMARKS:

- EXISTING WOOD WALL BASE TO REMAIN. CONTRACTOR TO ABUT NEW FLOORING TO EXISTING BASE AND PROVIDE COLOR MATCH SEALANT AT ALL JOINTS. NEW WD WALL BASE TO MATCH EXISTING WALL BASE SPECIES, STAIN, AND PROFILE. CONTRACTOR TO SALVAGE EXISTING WD BASE BEHIND LOCATION OF NEW WALL AND RELOCATE TO NEW WALL.
- INFILL REMAINDER OF WALL SPACE WITH NEW WD BASE. CONTRACTOR TO PROVIDE STAIN SUBMITTAL ON WD SPECIES TO DESIGNER FOR REVIEW AND APPROVAL.
- ENTIRE SCOPE OF ROOM TO BE ADD ALT. 01. LVT TO BE INSTALLED PLAN EAST/WEST, VERITCAL ASHLAR.
- 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. CEILINGS TO HAVE EPOXY PAINT, EPT-4.
- FLAT VINYL WALL GRAPHIC IN THIS ROOM, SEE INTERIOR ELEVATIONS.



Basis of Design

Bentley Mills Outlier

Schluter Transition

Tarkett Johnsonite Baseworks

Armstrong Ultima Tegular

Ceiling Panels

Sherwin Williams

Sherwin Williams

Sherwin Williams

Sherwin Williams

Sherwin Williams

Wolf Gordon Serra

Momentum Geogrid

Contract Roxbury

Tile Bar Nobu

Wilsonart

Wilsonart

MDC Interior Solutions | Thom Filicia

Nasco Stone + Tile Love Bars

Daltile Marble Attache Lavish

Room Darkening U-Channels

Crossville Trajectory Circle Mosaics

Crossville Trajectory Circle Mosaics

Armstrong Woodworks Grille Classic

Patcraft Inset

18" x 36"

18" x 36"

6" Cove (coils)

12" x 96" Panels

6" x 12"

24" x 24"

2.5" D

Luxury Vinyl Tile

Ceramic Porcelain Tile - Mosaic

Carpet Tile

Rubber Base

PT-1 Field Paint

PT-2 Accent Paint

PT-3 Accent Paint

PT-4 GWB Ceiling Paint

PT-5 Door Frame Paint

Wall Covering

Wall Covering

Wall Covering

Plastic Laminate - Cabinets

Roller Shades, Light Filtering

Quartz - Countertops

| Ceramic Wall Tile - Breakroom Backsplash | 5" x 10"

Ceramic Wall Tile - Restroom Wet Wall Tile | 12" x 24"

Ceramic Wall Tile - Restroom Sink Wall Tile | 24" x 48"

Ceramic Cove Base

Acoustical Panel Ceiling

Suspended Wood Ceiling

Color

Ice Gold

TBS from manufacturer's full

TBS from manufacturer's full

Antique Oak on Poplar

Snowbound 7004

Elephant Ear 9168

High Reflective White

Snowbound 7004

Russet SRR 5216

Gesso TFD1947

Ebony/Glossy

Fossa Falls Q4065

range of shade options.

Flexshade with Fascia, End Caps, and

Iron Ore 7069

range of options.

range of options.

Notes

Profiles vary

Egashell sheen

Eggshell sheen

Semi-Gloss Sheen

Golden Reverie MA71 Polished See elevations for install pattern.

Sesame Velvet Elm 15603-33 Traceless Finish

See finish floorplan for install direction.

See finish floorplan for install direction.

See finish floorplan for install direction.

Schluter cove cap to be provided

Use with Suprafine 9/16" Exposed Tee

See interior elevations for install locations.

See interior elevations for install locations.

See elevations for install pattern.

See elevations for install pattern.

1" Slat width, 4-1/4" slat height, 4 slats per panel, 2" spacing between slats. Use with Prelude

XL HD grid system painted 360 white. Backer rod to be custom factory finished painted white.

Dean's office 1105 only. Pattern and colorway used as a placeholder. Designer to provide

final finish selection from MDC Interior Solutions full range of type II wallcovering options.

Eggshell sheen. Epoxy paint to be used in restrooms, denoted as EPT.

Eggshell sheen. Epoxy paint to be used in restrooms, denoted as EPT.

All existing exterior glazing to receive roller shades w/in project area.

Level 1 - Finish Floor Plan

3/16" = 1'-0"

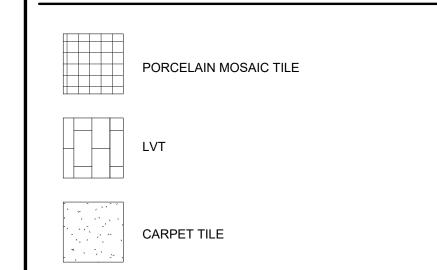
## **GENERAL NOTES - FINISH PLAN**

- A. ALL FLOOR FINISH TRANSITIONS TO OCCUR AT CENTERLINE OF DOOR UNLESS OTHERWISE NOTED.
- VERIFY LOCATIONS OF ALL APPLIED WALL MATERIALS ON ELEVATIONS. ALL GYPSUM BOARD WALLS TO RECEIVE PAINT WITH EGGSHELL FINISH, UNLESS OTHERWISE NOTED.
- SEMI-GLOSS TO BE USED IN "WET" LOCATIONS SUCH AS RESTROOMS, DRINKING FOUNTAINS, ETC. ALL RESTROOM CEILINGS TO BE EPOXY PAINT EPT-XX.
- PAINT ALL BUILDING ELEMENTS MOUNTED IN INTERIOR PARTITIONS TO MATCH WALL FINISH. PAINTED

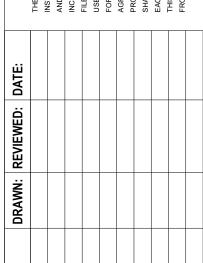
ALL TRIM AND HOLLOW METAL DOOR FRAMES TO BE PAINTED SAME COLOR AS ADJACENT WALL & SEMI-

BUILDING ELEMENTS INCLUDE ACCESS PANELS, DIFFUSERS, GRILLES, AND SPEAKERS. REFER TO FINISH FLOOR PLAN FOR FLOOR INSTALL DIRECTION AND PATTERN ORIGIN.

## FLOOR FINISH LEGEND



— — WALL COVERING/ACCENT PAINT LOCATION



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Florida State Stone Building 100 Suite

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

> Description: Finish Plan

Sheet No.:

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