

<b>ADDENDUM NO. :</b>	<b>Four (4)</b>
<b>BID DUE TIME AND DATE:</b>	2:00 p.m., April 30, 2019 <b>(No Change)</b>
<b>BIDDER QUESTIONS BY:</b>	11:59 a.m., April 23, 2019
<b>LAST ADDENDUM ISSUED:</b>	11:59 p.m., April 25, 2019

**THE PURPOSE FOR THIS ADDENDUM IS:**

- **To provide a response to questions raised by Plan Holders;**
- **To modify/clarify specifications and drawings.**

**GENERAL:**

The attached and following address questions and comments received:

- Clarification on the wall types (section on acoustical separation, 2 hr, and detail at top of 10' wall) and ceiling cloud detail(s) and finish details such intent of columns for exposed electrical on CMU
- HVAC details such as air handler coil connection (what's needed re isolation valves, strainers, etc.)
- Extent of chilled water line treatment
- Specs/detail on OA louver to be installed within storefront (shown on HVAC, visible on Section A301, not A202 or A602)
- Redundancy on, and revisions to a few Hardware items; see hardware Spec sections attached.
- Sections clarified to indicate sill pan, as well as location of drainage barrier; all sections at stucco clarified to show weep at base of drainage plane. Additionally, simplify cast sills.

Note: Storefront heights revised to match existing 7'-2", not 7'-0" (Field Verify and measure RO)

Accent wall in restrooms at vestibule remain as 3 color tile; similar design provided under Addendum 03 and basis of bid, exact pattern to be provided at a future date.

**MODIFY/CLARIFY SPECIFICATIONS:**

**General:**

REVISING ATTACHED (Sections to replace previous in the Project Manual):

08 71 00 Door Hardware  
28 13 01 Access Control System-*Preface*

**MODIFY/CLARIFY DRAWINGS:**

**ARCHITECTURAL (A) PLUMBING (P), and MECHANICAL (M)**

Attached Drawings Issued with Revisions (items clouded):

- A301 Building Sections
- A302 Building Sections
- A303 Ext Wall Sections & Details
- A304 Ext Wall Sections & Details
- A306 Ext Wall Sections & Details
- A502 Ceiling Details
- A601 Finish Schedule w/ Details
- P101, Updated plan to show missing fixtures and missing sanitary and vent piping
- P102, Updated plan to show missing fixtures, missing domestic water piping and missing gas piping
- P101, Updated plan to show missing fixtures and missing sanitary and vent piping
- P201, Updated plan to show missing fixtures and missing sanitary and vent piping
- P202, Updated plan to show missing fixtures, domestic water piping and missing gas piping
- M401, Added detail for chilled water connections to AHU

**SECTION 08 71 00**  
**DOOR HARDWARE Preface**

Issued under ADDENDUM 01 **Revised Addendum 04**

**Modifications to College Project General Requirements Standards Section 08 71 00:**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

*Add:*

- B. Examine all Drawings and all other Sections of the Specifications for requirements therein affecting the work of this trade

**1.2 SUMMARY**

A, 2: Note, there are no Sliding Doors on this Project

C. Related Sections:

*Revise:*

- 4. ~~Div 08 Section "Access Control Hardware"~~  
NOTE: This Section 08 71 00 includes Access Control Hardware.

*Add:*

- 6. Div 06 Section "Millwork" for Cabinet hardware:
- 7. Div 08 Section "Automatic Entrance Operators"
- 8. Hardware for aluminum entrance doors except as scheduled in this section: Section 08 40 00 – Entrances and Storefronts.  
Hardware not specified within the Door Hardware specifications and shown in Storefront Section 08 41 13 still required to be of the same Owner performance criteria and to be coordinated by Contractor.

Work specified elsewhere but a part of this section:

- 9. Access Control: Section 28 13 00 – Security Access Control

Examine all Drawings and all other Sections of the Specifications for requirements therein affecting the work of this trade.

D. Codes...:

*Add after 7:*

- a. State Building Code: Florida Building Code, and Florida Accessibility Code, 2017, 6th edition; Florida Fire Protection Code, 2017, 6th edition.

**PART 3 – EXECUTION**

**3.8 DOOR HARDWARE SETS (SCHEDULE):**

*Add after "A":*

*Note: Balance of Hardware not indicated on the following pages, and shown in Entrances and Storefront Section 08 41 13 to be coordinated by Contractor to provide functionality required by the Owner, while maintaining the Warranty of the Storefront Manufacturer.*

Hardware Sets located at the end of *Project General Requirements Standards Section 08 71 00*

**SECTION 08 71 00  
DOOR HARDWARE**

Issued under ADDENDUM 01 **(Revised Addendum 04)**

**PART 1 - GENERAL**

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commercial door hardware for the following:
1. Swinging doors.
  2. Sliding doors.
  3. Other doors to the extent indicated.
- B. Door hardware includes, but is not necessarily limited to, the following:
1. Mechanical door hardware.
  2. Electromechanical door hardware.
  3. Cylinders specified for doors in other sections.
- C. Related Sections:
1. Division 08 Section "Door Hardware Schedule".
  2. Division 08 Section "Hollow Metal Doors and Frames".
  3. Division 08 Section "Flush Wood Doors".
  4. Division 08 Section "Access Control Hardware".
  5. Division 28 Section "Access Control".
- D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
  2. ICC/IBC - International Building Code.
  3. NFPA 70 - National Electrical Code.
  4. NFPA 80 - Fire Doors and Windows.
  5. NFPA 101 - Life Safety Code.
  6. NFPA 105 - Installation of Smoke Door Assemblies.
  7. State Building Codes, Local Amendments.
- E. Standards: All hardware specified herein shall comply with the following industry standards:
1. ANSI/BHMA Certified Product Standards - A156 Series
  2. UL10C - Positive Pressure Fire Tests of Door Assemblies

1.3 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
  2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
  3. Content: Include the following information:
    - a. Type, style, function, size, label, hand, and finish of each door hardware item.
    - b. Manufacturer of each item.
    - c. Fastenings and other pertinent information.
    - d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
    - e. Explanations of abbreviations, symbols, and codes contained in schedule.

- f. Mounting locations for door hardware.
  - g. Door and frame sizes and materials.
  - h. Warranty information for each product.
  - 4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
- C. Shop Drawings: Details of electrified access control hardware indicating the following:
- 1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:
    - a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
    - b. Complete (risers, point-to-point) access control system block wiring diagrams.
    - c. Wiring instructions for each electronic component scheduled herein.
  - 2. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.
- D. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.
- E. Informational Submittals:
- 1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.
- F. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Submittals.

#### 1.4 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
- B. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- C. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.
- D. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.
  - 1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
  - 2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.
- E. Each unit to bear third party permanent label demonstrating compliance with the referenced standards.



- F. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:
  1. Function of building, purpose of each area and degree of security required.
  2. Plans for existing and future key system expansion.
  3. Requirements for key control storage and software.
  4. Installation of permanent keys, cylinder cores and software.
  5. Address and requirements for delivery of keys.
- G. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.
  1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
  2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
  3. Review sequence of operation narratives for each unique access controlled opening.
  4. Review and finalize construction schedule and verify availability of materials.
  5. Review the required inspecting, testing, commissioning, and demonstration procedures
- H. At completion of installation, provide written documentation that components were applied to manufacturer's instructions and recommendations and according to approved schedule.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.
- B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

#### 1.6 COORDINATION

- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.
- B. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.
- C. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

#### 1.7 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
  - 1. Structural failures including excessive deflection, cracking, or breakage.
  - 2. Faulty operation of the hardware.
  - 3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
  - 4. Electrical component defects and failures within the systems operation.
- C. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.
- D. Special Warranty Periods:
  - 1. Five years for exit hardware.
  - 2. Twenty five years for manual surface door closer bodies.
  - 3. Five years for motorized electric latch retraction exit devices.
  - 4. Two years for electromechanical door hardware.

## 1.8 MAINTENANCE SERVICE

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

## PART 2 – PRODUCTS

### 2.1 SCHEDULED DOOR HARDWARE

- A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.
- B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:
  - 1. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.
- C. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

### 2.2 HANGING DEVICES

- A. Hinges: ANSI/BHMA A156.1 certified butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.
  - 1. Quantity: Provide the following hinge quantity:
    - a. Two Hinges: For doors with heights up to 60 inches.
    - b. Three Hinges: For doors with heights 61 to 90 inches.
    - c. Four Hinges: For doors with heights 91 to 120 inches.
    - d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.
  - 2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
    - a. Widths up to 3'0": 4-1/2" standard or heavy weight as specified.
    - b. Sizes from 3'1" to 4'0": 5" standard or heavy weight as specified.
  - 3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:
    - a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
    - b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.
  - 4. Hinge Options: Comply with the following:

- a. Non-removable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the all out-swinging lockable doors.
- 5. Manufacturers:
  - a. Hager Companies (HA).
  - b. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK).
  - c. Stanley Hardware (ST).
- B. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 certified continuous geared hinge. with minimum 0.120-inch thick extruded 6060 T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.
  - 1. Manufacturers:
    - a. Bommer Industries (BO).
    - b. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK).
    - c. Pemko Products; ASSA ABLOY Architectural Door Accessories (PE).

### 2.3 POWER TRANSFER DEVICES

- A. Electrified Quick Connect Data Transfer Hinges: Provide combined electrified power and Ethernet data transfer hinges with Molex™ standardized plug connectors to accommodate Electrified Quick Connect Data Transfer Hinges: Provide combined electrified power and Ethernet data transfer hinges with Molex™ standardized plug connectors to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.
  - 1. Data transfer hinges feature two 6-position and two 4-position Molex connectors, 9 multi-strand wires; 2 twisted pairs (26 AWG), 4 straight conductors (28 gauge) and 1 straight conductor (22 AWG) with concealed plug connectors eliminating the need for separate or exposed wiring. Rated 350 mA continuous @ 48 volts DC nominal, the hinge is capable of two PoE wiring configurations:
    - a. Power over Data (5 wire): Power and Data supplied together over the 2 twisted 26 AWG pairs. The 22 AWG conductor is used for the earth ground connection.
    - b. Data with Power over Spares (9 wire): Data over 2 twisted (26 AWG) pairs with Power over spare pairs 94 straight 28 AWG conductors). The 22 Awg conductor is used for earth ground connection.
  - 2. Manufacturers:
    - a. Securitron (SU) CEPT (No Substitutions).
- B. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.
  - 1. Provide one each of the following tools as part of the base bid contract:
    - a. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK) - Electrical Connecting Kit: QC-R001.
    - b. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK) - Connector Hand Tool: QC-R003.
  - 2. Manufacturers:
    - a. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK) – PoE Series.

### 2.4 DOOR OPERATING TRIM

- A. Flush Bolts and Surface Bolts: ANSI/BHMA A156.3 and A156.16, Grade 1, certified.
  - 1. Flush bolts to be furnished with top rod of sufficient length to allow bolt retraction device location approximately six feet from the floor.
  - 2. Furnish dust proof strikes for bottom bolts.
  - 3. Surface bolts to be minimum 8" in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.
  - 4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.
  - 5. Manufacturers:
    - a. Door Controls International (DC).

- b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
  - c. Trimco (TC).
- B. Door Push Plates and Pulls: ANSI/BHMA A156.6 certified door pushes and pulls of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.
  - 1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
  - 2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
  - 3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.
  - 4. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.
  - 5. Manufacturers:
    - a. Hiawatha, Inc. (HI).
    - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
    - c. Trimco (TC).

## 2.5 CYLINDERS AND KEYING

- A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.
- B. Source Limitations: Obtain each type of keyed cylinder and keys from the same source manufacturer as locksets and exit devices, unless otherwise indicated.
  - 1. Manufacturers:
    - a. Sargent Manufacturing (SA).
    - b. No Substitution.
- C. Cylinders: Original manufacturer cylinders complying with the following:
  - 1. Mortise Type: Threaded cylinders with rings and cams to suit hardware application.
  - 2. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
  - 3. Bored-Lock Type: Cylinders with tailpieces to suit locks.
  - 4. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
  - 5. Keyway: Match Facility Standard.
- D. Keying System: Each type of lock and cylinders to be factory keyed.
  - 1. Conduct specified "Keying Conference" to define and document keying system instructions and requirements.
  - 2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
  - 3. Existing System: Key locks to Owner's existing system.
- E. Key Quantity: Provide the following minimum number of keys:
  - 1. Change Keys per Cylinder: Two (2)
  - 2. Master Keys (per Master Key Level/Group): Five (5).
  - 3. Construction Keys (where required): Ten (10).
- F. Construction Keying: Provide construction master keyed cylinders.
- G. Key Registration List (Bitting List):
  - 1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
  - 2. Provide transcript list in writing or electronic file as directed by the Owner.

## 2.6 MECHANICAL LOCKS AND LATCHING DEVICES

- A. Cylindrical Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.2, Series 4000, Grade 1 certified.
  - 1. Furnish with solid cast levers, standard 2 3/4" backset, and 1/2" (3/4" at rated paired openings) throw brass or stainless steel latchbolt.
  - 2. Locks are to be non-handed and fully field reversible.

3. Extended cycle test: Locks to have been cycle tested in ordinance with ANSI/BHMA 156.2 requirements to 9 million cycles.

4. **Manufacturers: Sargent Manufacturing (SA) – 10 Line; No Substitution.**

B. Mortise Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.13, Series 1000, Operational Grade 1 certified mortise locksets furnished in the functions as specified in the Hardware Sets. Locksets to be manufactured with a corrosion resistant, stamped 12 gauge minimum formed steel case and be field-reversible for handing without disassembly of the lock body. Lockset trim (including knobs, levers, escutcheons, roses) to be the product of a single manufacturer. Furnish with standard 2 3/4" backset, 3/4" throw anti-friction stainless steel latchbolt, and a full 1" throw stainless steel bolt for deadbolt functions.

1. **Manufacturers: Sargent Manufacturing (SA) – 8200 Series No Substitution.**

C. Hurricane and Tornado Resistance Compliance: Mechanical locking and latching devices to be U.L. listed for windstorm assemblies where applicable. Provide the appropriate hurricane or tornado resistant products that have been independent third party tested, certified, and labeled to meet state and local windstorm building codes applicable to project.

## 2.7 LOCK AND LATCH STRIKES

A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:

1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.
4. Double-lipped strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.

B. Standards: Comply with the following:

1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Strikes for Bored Locks and Latches: BHMA A156.2.
3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
4. Dustproof Strikes: BHMA A156.16.

## 2.8 CONVENTIONAL EXIT DEVICES

A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:

1. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
2. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.
3. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
4. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.
5. Electromechanical Options: Subject to same compliance standards and requirements as mechanical exit devices, electrified devices to be of type and design as specified in hardware sets. Include any specific controllers when conventional power supplies are not sufficient to provide the proper inrush current.
6. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.
  - a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
  - b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.

7. Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide as less bottom rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
  8. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2" wide stiles.
  9. Dummy Push Bar: Nonfunctioning push bar matching functional push bar.
  10. Rail Sizing: Provide exit device rails factory sized for proper door width application.
  11. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.
  12. Hurricane and Tornado Resistance Compliance: Conventional exit devices are to be U.L. listed for windstorm assemblies where applicable. Provide the appropriate hurricane or tornado resistant products that have been independent third party tested, certified, and labeled to meet state and local windstorm building codes applicable to project.
- B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 certified panic and fire exit hardware devices furnished in the functions specified in the Hardware Sets. Exit device latch to be stainless steel, pullman type, with deadlock feature.
1. Manufacturers: Sargent Manufacturing (SA) - 80 Series. (No Substitution).

## 2.9 DOOR CLOSERS

- A. All door closers specified herein shall meet or exceed the following criteria:
1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers including installation and adjusting information on inside of cover.
  2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
  3. Cycle Testing: Provide closers which have surpassed 15 million cycles in a test witnessed and verified by UL.
  4. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the physically handicapped, provide units complying with ANSI ICC/A117.1.
  5. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
  6. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
  7. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.
- B. Door Closers, Surface Mounted (Commercial Duty): ANSI/BHMA 156.4, Grade 1 certified surface mounted, institutional grade door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck, closing sweep, and latch speed control valves. Provide non-handed units standard.
1. Manufacturers:
    - a. Corbin Russwin Hardware (RU) - DC6000 Series.
    - b. Norton Door Controls (NO) - 8500 Series.
    - c. Sargent Manufacturing (SA) - 1431 Series.
    - d. Yale Locks and Hardware (YA) - 3500 Series.

## 2.10 ARCHITECTURAL TRIM

- A. Door Protective Trim
1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
  2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
  3. Where plates are applied to fire rated doors with the top of the plate more than 16" above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer's catalog and template book for specific requirements for size and applications.



4. Protection Plates: ANSI/BHMA A156.6 certified protection plates (kick, armor, or mop), fabricated from the following:
  - a. Stainless Steel: 300 grade, 050-inch thick.
5. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.
6. Manufacturers:
  - a. Hiawatha, Inc. (HI).
  - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
  - c. Trimco (TC).

## 2.11 DOOR STOPS AND HOLDERS

- A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.
- B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 certified door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.
  1. Manufacturers:
    - a. Hiawatha, Inc. (HI).
    - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
    - c. Trimco (TC).
- C. Overhead Door Stops and Holders: ANSI/BHMA A156.6, Grade 1 certified overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.
  1. Manufacturers:
    - a. Rixson Door Controls (RF).
    - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
    - c. Sargent Manufacturing (SA).

## 2.12 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.
- B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
  1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.
- C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
  1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NPFA 252, Standard Methods of Fire Tests of Door Assemblies.
- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
- F. Manufacturers:
  1. National Guard Products (NG).
  2. Pemko Products; ASSA ABLOY Architectural Door Accessories (PE).
  3. Reese Enterprises, Inc. (RE).



## 2.13 POWER SUPPLIES AND DOOR POSITION SWITCHES

- A. Provide Power Supplies, including battery or uninterrupted backup powers supply (UPS) and separately fused surge protection, required for the electrified door hardware, access control equipment, and PoE switches or wireless routers driving the integrated card reader locking devices. Dual Voltage Boxed Power Supply, UL Class 2 listed, allowing for wire run without the use of conduit from power supply to door.
  - 1. Field selectable dual output, 12 or 24VDC
  - 2. Battery charging circuit independent of output with 1 Amp continuous current output while charging.
  - 3. Remote output for AC failure monitoring
  - 4. Manufacturers: Securitron (SU) CEPT (No Substitutions).
- B. Door Position Switches: provide SPST switch to remote monitor door position (closed or open position); concealed (surface only where approved by SJRState Facilities), rated .25 amp @24VDC
  - 1. Manufacturers: Sargent Manufacturing (SA) (No Substitutions)

## 2.14 FABRICATION

- A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

## 2.15 FINISHES

- A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.
- B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware
- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

## PART 3 – EXECUTION

### 3.1 EXAMINATION

- A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

### 3.2 PREPARATION

- A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.
- B. Wood Doors: Comply with ANSI/DHI A115-W series.

### 3.3 INSTALLATION

- A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
  - 1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.
- B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
  - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
  - 2. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."

3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
  4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
- C. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
- D. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
- E. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

### 3.4 FIELD QUALITY CONTROL

- A. Field Inspection: Supplier will perform a final inspection of installed door hardware and state in report whether work complies with or deviates from requirements, including whether door hardware is properly installed, operating and adjusted.

### 3.5 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

### 3.6 CLEANING AND PROTECTION

- A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.
- B. Clean adjacent surfaces soiled by door hardware installation.
- C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

### 3.7 DEMONSTRATION

- A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

### 3.8 DOOR HARDWARE SETS

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.
- B. Manufacturer's Abbreviations:
1. MK - McKinney
  2. PE - Pemko
  3. RO - Rockwood
  4. SA - Sargent
  5. AD - Adams Rite
  6. RF - Rixson
  7. BM - Besam
  8. SU - Securitron
  9. OT - OTHER

**Hardware Sets***Issued under ADDENDUM 01 (Revised Addendum 04)*

Quantity & Item	Model or Item #	Finish	Abb	Section
-----------------	-----------------	--------	-----	---------

**Set: 1.0**

Doors: 100A, 101A

Description: Exterior Alum-Pair (Exits – Automatic Operator push-button actuated – Card Access - CR)

2	Continuous Hinge	CFMxxHD1 PT x door height		PE	08 71 00*
1	Concealed Vert Rod Exit	55 56 AD8410 106 x 862**	US32D	SA	08 71 00*
1	Concealed Vert Rod Exit	55 56 AD8410 862	US32D	SA	08 71 00*
1	Pair Door Operators	SW200i (surface pair)	689	BM	08 71 13
1	Threshold	2005AV x door width		PE	08 71 00
2	Electric Power Transfer	CEPT		SU	08 71 00*
2	(DPS) Switch	3287		SA	08 71 00*
2	ElectroLynx Harness	QC-C x L.A.R.		MK	08 71 00*
2	ElectroLynx Harness	QC-C1500		MK	08 71 00*
1	Door Switch	Besam		BM	08 71 13
1	Multi-Class Reader	RP40		00	28 13 01
1	Power Supply	BPS-12/24-voltage as required		SU	08 71 00
1	Wiring Diagram			00	28 13 01

**Notes:**

- 5" wide stile aluminum doors to accommodate exit device trim.
- Weather seals to be provided by door manufacturer.
- Provide necessary drop plates and fillers for proper installation of door closers.
- Exterior doors and hardware to comply with FBC windstorm requirements.
- Operation: presenting valid credential to reader temporarily retracts exit latches, permitting entry; additionally, once reader temporarily retracts exit latches, push-button actuates automatic operator. Inside pushbar always permits egress; push-button actuates automatic operator.

\*Coordinate with Entrances and Storefronts

\*\* Device is to match existing Keying System

**Set: 2.0**

Doors: 101B

Description: Exterior Aluminum-Pair-(Exits - Card Access CR)

2	Continuous Hinge	CFMxxHD1 PT x door height		PE	08 71 00*
1	Concealed Vert Rod Exit	55 56 AD8410 106 x 862**	US32D	SA	08 71 00*
1	Concealed Vert Rod Exit	55 56 AD8410 862	US32D	SA	08 71 00*
2	Door Closers	1431 CPS	EN	SA	08 71 00
1	Threshold	2005AV x door width		PE	08 71 00
2	Electric Power Transfer	CEPT		SU	08 71 00*
2	(DPS) Switch	3287		SA	08 71 00*
2	ElectroLynx Harness	QC-C x L.A.R.		MK	08 71 00*
2	ElectroLynx Harness	QC-C1500		MK	08 71 00*
1	Multi-Class Reader	RP40		00	28 13 01
1	Power Supply	BPS-12/24-voltage as required		SU	08 71 00
1	Wiring Diagram			00	28 13 01

**Notes:**

- Provide 5" wide stile aluminum doors to accommodate exit device trim.
- Weather seals to be provided by door manufacturer.
- Provide necessary drop plates and fillers for proper installation of door closers.
- Exterior doors and hardware to comply with FBC windstorm requirements.
- Operation: presenting valid credential to reader temporarily retracts exit latches, permitting entry. Inside pushbar always permits egress.

\*Coordinate with Entrances and Storefronts

\*\* To match existing Keying System

**Hardware Sets (Cont.)**

Quantity & Item	Model or Item #	Finish	Abb	Section
<b>Set: 3.0</b>				
Doors: 101C [Single from Existing Building, exit to Courtyard]				
Description: Exterior Aluminum (Exits - Card Access CR)				
1	Continuous Hinge	CFMxxHD1 PT x door height	PE	08 71 00*
1	Exit Device	55 56 WS AD8504 x 862**	US32D SA	08 71 00*
1	Door Closer	1431 CPS	EN SA	08 71 00
1	Threshold	2005AV x door width	PE	08 71 00
1	Electric Power Transfer	CEPT	SU	08 71 00*
1	(DPS) Switch	3287	SA	08 71 00*
1	ElectroLynx Harness	QC-C x L.A.R.	MK	08 71 00*
1	ElectroLynx Harness	QC-C1500	MK	08 71 00*
1	Multi-Class Reader	RP40	00	28 13 01
1	Power Supply	BPS-12/24-voltage as required	SU	08 71 00
1	Wiring Diagram		00	28 13 01

Notes:

- 5" wide stile aluminum doors to accommodate exit device trim.
- Weather seals to be provided by door manufacturer.
- Provide necessary drop plates and fillers for proper installation of door closers.
- Exterior doors and hardware to comply with FBC windstorm requirements.
- Operation: presenting valid credential to reader temporarily retracts exit latches, permitting entry. Inside lever always permits egress.

\*\* CVR Exit Device with 106 Controller is to match existing Keying System

**Set: 4.0**

Doors: 112A [Storefront Pair, from Community Room to sidewalk with roof overhang]

Description: Exterior Aluminum (Exit only, Lockset - Card Access - PoE)

2	Continuous Hinge	CFMxxHD1 PT x door height	PE	08 71 00*
1	ExitDevice (PoE)	S1-IA-887ETMD**	US32D SA	08 71 00
1	ExitOnlyDeviceHC 55 8810	US32D	SA	08 71 00*
1	Removable Mullion	HCL980	PC SA	08 71 00*
1	Cylinder (for mullion)	41**	US32D SA	08 71 00
2	Door Closers	1431 CPS	EN SA	08 71 00
1	ElectroLynx Harness	PoE-CxxxPRJ x L.A.R.	MK	08 71 00*
1	ElectroLynx Harness	PoE-C1500 LAR	MK	08 71 00*
1	Threshold	2005AV x door width	PE	08 71 00
2	Electric Power Transfer	CEPT	SU	08 71 00*
2	(DPS) Switch	3287	SA	08 71 00*
	Power Supply	BPS-12/24-voltage as required	SU	08 71 00
1	Wiring Diagram		00	28 13 01

Notes:

- Provide 5" wide stile aluminum doors to accommodate exit device trim.
- Weather seals to be provided by door manufacturer.
- Provide necessary drop plates and fillers for proper installation of door closers.
- Exterior doors and hardware to comply with FBC windstorm requirements.
- Operation: presenting numeric code to reader temporarily unlocks outside trim, permitting entry. Trim is fail secure with key override outside trim. Inside pushbar always permits egress.

\*Coordinate with Entrances and Storefronts

\*\* Exit Device and cylinder for mullion are to match existing Keying System

**Hardware Sets (Cont.)**

Quantity & Item	Model or Item #	Finish	Abb	Section
-----------------	-----------------	--------	-----	---------

**Set: 5.0**

Doors: 120A [Storefront, Single, from Bookstore staff side, sidewalk with roof overhang]

Description: Exterior Aluminum (Exit only)

1	Continuous Hinge	CFMxxHD1 x door height		PE	08 71 00*
1	Door Closer	1431 CPS		EN	SA 08 71 00
1	Exit Device (exit only)	HC 43 8810		US32D	SA 08 71 00
1	Threshold	2005AV x door width			PE 08 71 00
1	(DPS) Switch	3287			SA 08 71 00*

**Notes:**

- 5" wide stile aluminum doors to accommodate exit device trim.
- Weather seals to be provided by door manufacturer.
- Provide necessary drop plates and fillers for proper installation of door closers.
- Exterior doors and hardware to comply with FBC windstorm requirements.
- Operation: Inside lever always permits egress.

**Set: 6.0**

Doors: 119A [Storefront accessing Bookstore; Contractor Option: relocate existing doors, hardware]

Description: Interior Aluminum -Pair

2	Continuous Hinge	CFMxxHD1		PE	08 71 00*
1	Deadlock	MS 18505S		US32D	AD 08 71 00
1	Thumbturn	4066-01		US32D	AD 08 71 00
1	Cylinder	41**		US32D	SA 08 71 00
2	Push Bar & Pull	11047		US28	RO 08 71 00
2	Door Closer	1431 CPS		EN	SA 08 71 00

**Notes:**

- Provide necessary drop plates and fillers for proper installation of door closers.
- Operation: Locked when Bookstore closed; Inside push bar always permits egress.

\*Coordinate with Entrances and Storefronts

\*\* To match existing Keying System

**Set: 7.0**

Doors: 115A [Exit from Receiving to Truck Dock]]

Description: Exterior HM Pair (Exits - Card Access - CR)

1	Continuous Hinge	CFMxxHD1 x door height		PE	08 71 00
1	Continuous Hinge	CFMxxHD1 PT x door height		PE	08 71 00
1	Surface Vert Rod Exit	HC4-55-56 8710 x 306 **		US32D	SA 08 71 00
1	Surface Vert Rod Exit	HC4-55-8710		US32D	SA 08 71 00
2	Door Closer	1431 CPS		EN	SA 08 71 00
1	Threshold	2005AV x door width			PE 08 71 00
4	Kick Plate	K1050 8" x 2"LDW		US32D	RO 08 71 00
1	Rain Guard	346C x door width plus 4"			PE 08 71 00
1	Gasketing	303CS head & jambs			PE 08 71 00
2	Sweep	315CN x door width			PE 08 71 00
2	Electric Power Transfer	CEPT			SU 08 71 00
2	(DPS) Switch	3287			SA 08 71 00
2	ElectroLynx Harness	QC-C x L.A.R.			MK 08 71 00
2	ElectroLynx Harness	QC-C1500			MK 08 71 00
1	Multi-Class Reader	RP40			00 28 13 01
1	Power Supply	BPS-12/24-voltage as required			SU 08 71 00
1	Wiring Diagram				00 28 13 01

**Notes:**

- Exterior doors and hardware to comply with FBC windstorm requirements.
- Operation: presenting valid credential to reader temporarily unlocks outside trim, permitting entry. Trim is fail secure with key override outside trim. Inside pushbar always permits egress.

\*\* To match existing Keying System

**Hardware Sets (Cont.)**

Quantity & Item	Model or Item #	Finish	Abb	Section
<b>Set: 8.0</b>				
Doors: 114A, [Electrical]				
Description: Interior HM (Locksets – Card Access - PoE)				
3 Hinge	TA2714 4-1/2" x 4-1/2"	US32D	MK	08 71 00
1 Access Control Lock (PoE)	S1-82276 IAMD	US26D	SA	08 71 00
1 Electric Power Transfer	CEPT		SU	08 71 00
1 ElectroLynx Harness	QC-xxxxPRJx L.A.R.		MK	08 71 00
1 ElectroLynx Harness	PoE-C1500		MK	08 71 00
1 Threshold	2005AV x door width		PE	08 71 00
1 Kick Plate	K1050 8" x 2"LDW	US32D	RO	08 71 00
1 Rain Guard	346C x door width plus 4"		PE	08 71 00
1 Gasketing	303CS head & jambs		PE	08 71 00
1 Sweep	315CN x door width		PE	08 71 00
1 (DPS) Switch	3287		SA	08 71 00
1 Power Supply	BPS-12/24-voltage as required		SU	08 71 00
1 Wiring Diagram			00	28 13 01

**Notes:**

- Exterior door and hardware to comply with FBC windstorm requirements.
- Operation: presenting numeric code to reader temporarily unlocks outside trim, permitting entry. Trim is fail secure with key override outside trim. Inside lever always permits egress.

**Set: 8.1**

Doors: 124A [Data]

Description: Exterior HM (Locksets – Card Access - PoE)

3 Hinge	TA2314 4-1/2" x 4-1/2"	US26D	MK	08 71 00
1 Access Control Lock (PoE)	S1-82276 IKMD	US26D	SA	08 71 00
1 Electric Power Transfer	CEPT		SU	08 71 00
1 ElectroLynx Harness	QC-xxxxPRJ x L.A.R.		MK	08 71 00
1 ElectroLynx Harness	PoE-C1500		MK	08 71 00
1 Door Closer	1431 CPS	EN	SA	08 71 00
1 Threshold	2005AV x door width		PE	08 71 00
1 Kick Plate	K1050 8" x 2"LDW	US32D	RO	08 71 00
1 Rain Guard	346C x door width plus 4"		PE	08 71 00
1 Gasketing	303CS head & jambs		PE	08 71 00
1 Sweep	315CN x door width		PE	08 71 00
1 (DPS) Switch	3287		SA	08 71 00
1 Power Supply	BPS-12/24-voltage as required		SU	08 71 00
1 Wiring Diagram			00	28 13 01

**Notes:**

- Exterior door and hardware to comply with FBC windstorm requirements.
- Operation: presenting numeric code or card to card reader temporarily unlocks outside trim, permitting entry. Trim is fail secure with key override outside trim. Inside lever always permits egress.

**Hardware Sets (Cont.)**

Quantity & Item	Model or Item #	Finish	Abb	Section
<b>Set: 9.0</b>				
Doors: 123A [Mechanical]				
Description: Exterior HM Pr (Locksets – Card Access - PoE)				
1	Continuous Hinge	CFMxxHD1	PE	08 71 00
1	Continuous Hinge	CFMxxHD1 PT x door height	PE	08 71 00
1	Dust Proof Strike	570	US26D RO	08 71 00
2	Flush Bolt	556WS	US26D RO	08 71 00
1	Access Control Lock (PoE)	S1-82276 IAMD	US26D SA	08 71 00
1	Door Closer	1431 CPS	EN SA	08 71 00
2	Kick Plate	K1050 8" x 2"LDW	US32D RO	08 71 00
1	Threshold	2005AV x door width	PE	08 71 00
1	Rain Guard	346C x door width plus 4"	PE	08 71 00
1	Gasketing	303CS head & jambs	PE	08 71 00
2	Sweep	315CN x door width	PE	08 71 00
1	ElectroLynx Harness - device thru door to CEPTPoE-CxxxxPRJ x LAR		MK	08 71 00
1	Electric Power Transfer	CEPT	SU	08 71 00
1	ElectroLynx Harness-- device thru CEPT to Ceiling J-boxPoE-Cxxxx LAR		MK	08 71 00
1	Power Supply	BPS-12/24-voltage as required	SU	08 71 00
1	(DPS) Switch	3287 for active leaf	SA	08 71 00
1	Wiring Diagram		00	28 13 01

**Notes:**

- Exterior door and hardware to comply with FBC windstorm requirements.
- Operation: presenting **card** to reader temporarily unlocks outside trim, permitting entry. Trim is fail secure with key override outside trim. Inside lever always permits egress.

**Set: 10.0**

Doors: 115B, 122A [Exit from Bookstore Storage, and Hall, through Receiving, exiting to Truck Dock]

Description: Interior HM Pair (Exits – Card Access - CR)

1	Continuous Hinge	CFMxxHD1	PE	08 71 00
1	Continuous Hinge	CFMxxHD1 PT x door height	PE	08 71 00
1	Surface Vert Rod Exit	55-56 8710 x 306 **	US32D SA	08 71 00
1	Surface Vert Rod Exit	55 8710	US32D SA	08 71 00
2	Door Closer	1431 CPS	EN SA	08 71 00
2	Kick Plate	K1050 8" x 2"LDW	US32D RO	08 71 00
2	Electric Power Transfer	CEPT	SU	08 71 00
2	(DPS) Switch	3287	SA	08 71 00
2	ElectroLynx Harness	QC-C x L.A.R.	MK	08 71 00
2	ElectroLynx Harness	QC-C1500	MK	08 71 00
1	Multi-Class Reader	RP40	00	28 13 01
1	Power Supply	BPS-12/24-voltage as required	SU	08 71 00
1	Wiring Diagram		00	28 13 01

**Notes:**

Operation: presenting valid credential to reader temporarily unlocks outside trim, permitting entry. Trim is fail secure with key override outside trim. Inside pushbar always permits egress.

**\*\* To match existing Keying System**

**Set: 11.0**

Doors: 101A-A, 101B-A, 101C-A, 102A, 121A

Description: Office (Interior, Wood in HM Frame)

3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D MK	087100
1	Office Lock	28 10G05 LL**	US26D SA	087100
1	Door Stop	442 or 409 as required	US26D RO	087100
1	Smoke Gasketing (Sound)	S773D	PE	087100

**Notes:**

- Function: Office; key retracts latch when outside lever locked (turn button must be released manually).

**\*\* To match existing Keying System**



**Set: 12.0**

Doors: 111A

(Contractor Option: Re-use/relocate exist door from Women RR with air transfer grill, possibly other hardware)

Description: Family Restroom (Interior, Wood in HM Frame)

Required (New or Re-use):

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK	08 71 00
1 Door Closer	1431 UO	EN	SA	08 71 00
1 Kick Plate	K1050 8" x 2"LDW	US32D	RO	08 71 00
1 Mop Plate	K1050 4" x 1"LDW	US32D	RO	08 71 00
3 Silencer	608		RO	08 71 00

1 air transfer grill

Required, New

1 Mortise Lockset [F22] /ADA	8265 LNMD w/130KA Thumbturn	US32D	SA	08 71 00
------------------------------	-----------------------------	-------	----	----------

Notes:

Function: Privacy Bath; Trim outside retracts latchbolt except when locked by thumbturn inside; thumbturn locks and unlocks trim outside; closing the door unlocks outside trim.

Notes to Supplier/Installer:

Coordinate with Contractor to ensure that existing hardware functions properly with Door(s).

**Hardware Sets** (Cont.)

Quantity & Item	Model or Item #	Finish	Abb	Section
-----------------	-----------------	--------	-----	---------

**Set: 13.0**

Doors: 113A (Contractor Option: Re-use/relocate existing Hardware at Offices as well as door and frame)  
 Description: Community Storage (Pair, Interior, Wood in HM Frame)

1 EHW	Existing hardware to be re-used			OT
-------	---------------------------------	--	--	----

**Notes to Supplier/Installer:**

Coordinate with Contractor to ensure that existing hardware functions properly with Door(s).

**Set: 14.0**

Doors: 106A, 117A, 118A, 118B / Existing Drs&Hrdwr: Café, Custodial, Staff Break Rm & Brk Rm Storage  
 (Contractor Option: Re-use/relocate exist Hardware as well as door and frame)

Description: Café, Break, Storage (Interior, Wood in HM Frame)

1 EHW	Existing hardware to be re-used			OT
-------	---------------------------------	--	--	----

**Notes to Supplier/Installer:**

Coordinate with Contractor to ensure that existing hardware functions properly with Door(s).

**Set: 15.0**

Doors: 107A, 109A / Existing Drs & Hrdwr

(Contractor Option: Re-use/relocate exist Hrdwr (incl push/pull, air transfer grill), as well as door and frame)

Description: Restroom Vestibule (Interior, Wood in HM Frame) (Men at W, Women at M)

1 EHW	Existing hardware to be re-used			OT
-------	---------------------------------	--	--	----

**Notes to Supplier/Installer:**

Coordinate with Contractor to ensure that existing hardware functions properly with Door(s).

**Set: 16.0**

Doors: 103A, 104A (Contractor Option: Re-use/relocate existing Hardware at Offices as well as door and frame)

Description: Offices (Interior, Wood in HM Frame)

1 EHW	Existing hardware to be re-used			OT
-------	---------------------------------	--	--	----

**Notes to Supplier/Installer:**

Coordinate with Contractor to ensure that existing hardware functions properly with Door(s).

**Set: 17.0**

Doors: 106B Exterior existing Pair: Mechanical revised to Café Storage

1 EHW	Existing hardware to remain in use			OT
-------	------------------------------------	--	--	----

**Notes to Supplier/Installer:**

Coordinate with Contractor to ensure that existing hardware functions properly with Door(s).

**Set: 18.0**

Doors: 101A-B (Exterior existing single: door to Office; to be used as Storage initially)

1 EHW	Existing hardware to remain in use			OT
-------	------------------------------------	--	--	----

**Notes to Supplier/Installer:**

Coordinate with Contractor to ensure that existing hardware functions properly with Door(s).

## Opening List

<u>Opening</u>	<u>Hdw Set</u>	<u>Fire Rating</u>	<u>Door Material</u>	<u>Frame Material</u>	
100A (Pr)	1.0	None	Alum SF	Aluminum	Exterior
101A (Pr)	1.0	None	Alum SF	Aluminum	Exterior
101B (Pr)	2.0	None	Alum SF	Aluminum	Exterior
101C	3.0	None	Alum SF	Aluminum	Exterior
101A-A	11.0	None	Wood	Hollow Metal	
101A-B	18.0	None	Hollow Metal	Existing	Ext/Re-use exist-All
101B-A	18.0	None	Hollow Metal (lite)	Hollow Metal	
101C-A	11.0	None	Wood	Hollow Metal	
102A	11.0	None	Wood	Hollow Metal	
103A	16.0	None	Wood	Hollow Metal	Re-use exist-All
104A	16.0	None	Wood	Hollow Metal	Re-use exist-All
106A	14.0	None	Wood	Hollow Metal	Re-use exist-All
106B (Pr)	19.0	None	Hollow Metal	Existing	Ext/Re-use exist-All
107A	15.0	None	Wood/Relo Exist (?)	Relocate Exist (?)	Re-use exist-All (M)
109A	15.0	None	Wood/Relo Exist (?)	Relocate Exist (?)	Re-use exist-All (W)
111A	12.0	None	Wood	Hollow Metal	Re-use exist-Part
112A (Pr)	4.0	None	Alum SF	Aluminum	Exterior
113A (Pr)	13.0	None	Wood	Hollow Metal	Re-use exist-All
114A	8.0	None	Hollow Metal	Hollow Metal	Exterior
115A (Pr)	7.0	None	Hollow Metal (lite)	Hollow Metal	Exterior
115B (Pr)	10.0	None	Hollow Metal	Hollow Metal	
117A	14.0	None	Wood	Hollow Metal	Re-use exist-All
118A	14.0	None	Wood	Hollow Metal	Re-use exist-All
118B	14.0	None	Wood	Hollow Metal	Re-use exist-All
119A (Pr)	6.0	None	Alum SF	Aluminum	
120A	5.0	None	Alum SF	Aluminum	Exterior
121A	11.0	None	Wood	Hollow Metal	
122A (Pr)	10.0	None	Hollow Metal	Hollow Metal	
123A (Pr)	9.0	None	Hollow Metal	Hollow Metal	Exterior
124A	8.0	None	Hollow Metal	Hollow Metal	Exterior

END OF SECTION

**PREFACE: WORK RESULTS OF ACCESS CONTROL****PART 1 - GENERAL****1.01 NOTE TO CONTRACTOR REGARDING SCOPE OF WORK**

- A. Bidders/Contractor shall factor in their bid and resulting contract for the project the following access control and associated systems related tasks under their umbrella of project responsibility and coordination for:
  - 1. Supply and installation labor of all devices, raceways and wiring part of the systems.
  - 2. Supply of all spare parts for the systems, as indicated in the documents.
  - 3. Production and delivery of all submittals for all door and frame, door hardware, and security systems' part of the project, as indicated in the project documents.
  - 4. Production and delivery of all as-built information for all security systems part of the project as indicated in the project document.
  - 5. All cost (materials, labor and transportation) associated with warranties for the security systems as indicated in the project documents.
- B. Bidders/Contractor shall provide all information as required in the 28 13 01 specification section for the owner to program the access control system when the system is tied to the main access control system in the Campus.
- D. Bidders/Contractor shall provide all software licenses for administration or programming of security equipment.
- E. Bidders/Contractor shall provide Software Infrastructure to Interface the existing Campus RS2 Access/Control System and the Campus Wide Andover /Schneider Building Management System.
- F. Bidders/Contractor shall not base their Bid and resulting Contract in equipment substitutes or alternate methods unless the contractor has previously received an approved variance form from SJR State College Facilities for such substitute equipment or alternate methods.

**1.02 DESCRIPTION**

- A. Referenced Scope of Work related Sections includes:
  - 1. Division 08 Sections regarding Door Hardware including Access Control, Hollow Metal Doors and Frames, Flush Wood Doors, Storefront Entrances, Automatic Entrances, etc.
  - 2. Division 26 Sections regarding connections to electrical power system and for low-voltage wiring work.
  - 3. Division 27 Sections regarding Communications/connections to the LAN.
  - 4. Division 28 Section regarding Fire Detection and Alarm for connections to building fire alarm system.
  - 5. Division 28 Section regarding Access Control.
- B. The general provisions of the Contract, including General Conditions, Supplementary Conditions, and Special Conditions (if any) along with the General Requirements, apply to the work specified in this section.
- C. Examine all Drawings and all other Sections of the Specifications for requirements therein affecting the work of this trade.



AKEL □ LOGAN □ SHAFER  
ARCHITECTS AND PLANNERS

704 Rosselle Street / Jacksonville, Florida 32204  
Telephone (904) 356-2654 / Fax (904) 356-4010  
AAC002135

CONSULTANTS

NOTES

- 1 BASE BID: REMOVE STOREFRONT OR CMU FOR NEW STOREFRONT OR CASSED OPENING.
- 2 BID ALTERNATE 1: REMOVE STOREFRONT SYSTEM AND PORTION OF MASONRY WHERE APPLICABLE.
- 3 REMOVE EXISTING STAIR FUNCTION BY IN-FILLING; SEE A1/A302 & STRUCTURAL.
- 4 REMOVE PAIR OF DOORS. MODIFY FRAME FOR TWO SINGLE METAL DOORS.
- 5 REMOVE LOUVER. INFILL WITH MASONRY TO MATCH EXISTING.
- 6 REMOVE ENTRY TO THE EXTENT REQ'D TO REBUILD PER STRUCTURAL; IN NO CASE REMOVE EXISTING ROOFING TILE BEYOND VALLEY. SEE SECTIONS.
- 7 ALL WORK AT BASE BID AND BID ALTERNATE STOREFRONT REPLACEMENT REQUIRES REPAIR OF EXISTING EFS/TO MATCH EXISTING, TRIMMED PAINTED.
- 8 NO WORK AT EXIST. TILE ROOF, EXCEPT TO MINIMAL DEGREE INDICATED IN NOTE 3, ON PLAN, ON SECTIONS, & ON STRUCT DRWGS.
- 9 EXISTING GUTTER TO REMAIN.

PROJECT

BID NUMBER: BID-SJR-06-2018  
**RENOVATION WITH  
ADDITION TO BUILDING V  
ST. AUGUSTINE CAMPUS**

FOR



**ST. JOHNS RIVER  
STATE COLLEGE**

MARK	DATE	DESCRIPTION
△	04/25/19	ADDENDUM 4
▲	04/17/19	ADDENDUM 3

ISSUE: MAR 25, 2019  
PROJECT NO: 1809  
CAD DWG FILE:  
DRAWN BY: ALS  
CHECKED BY: MSB

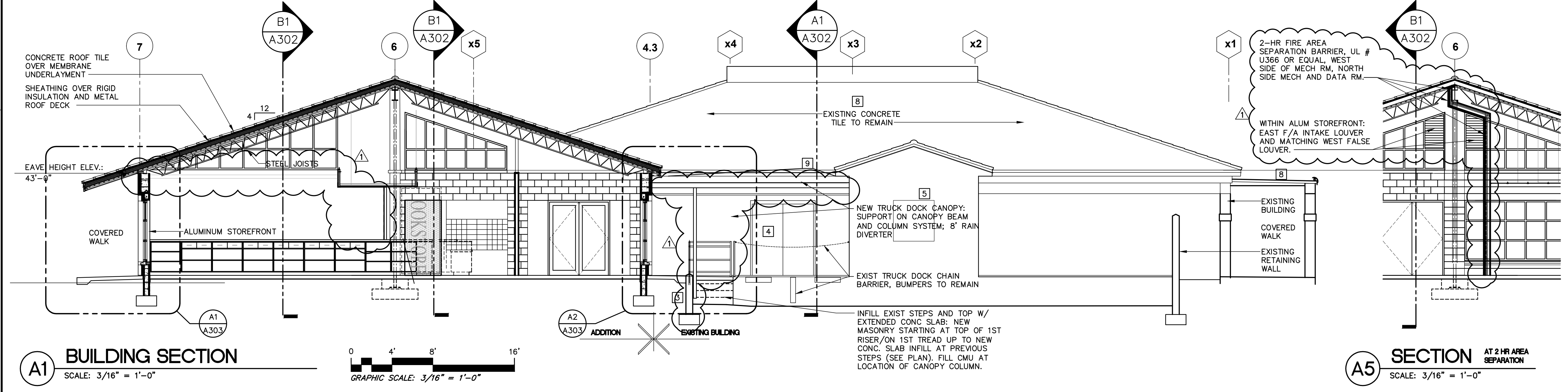
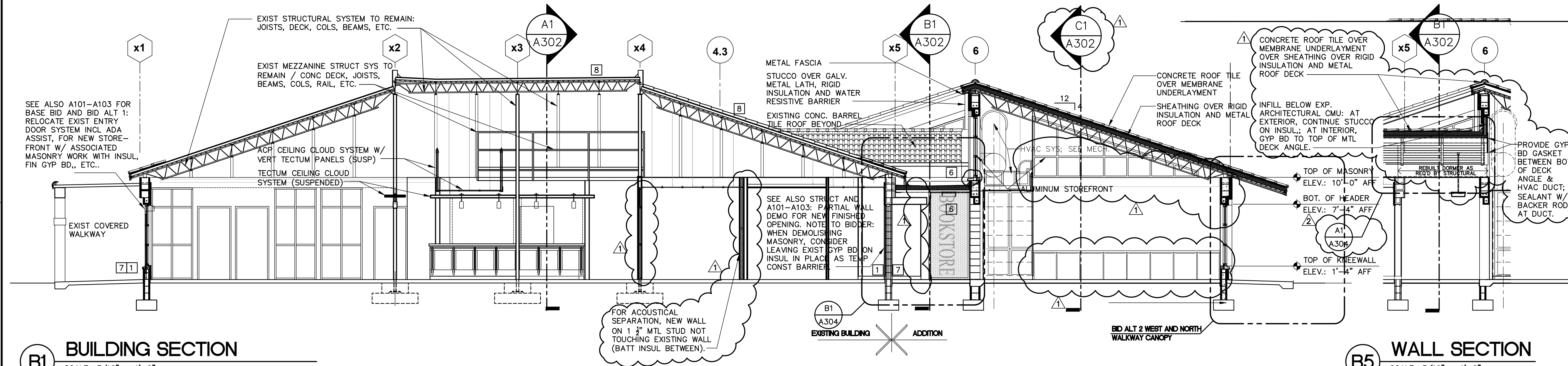
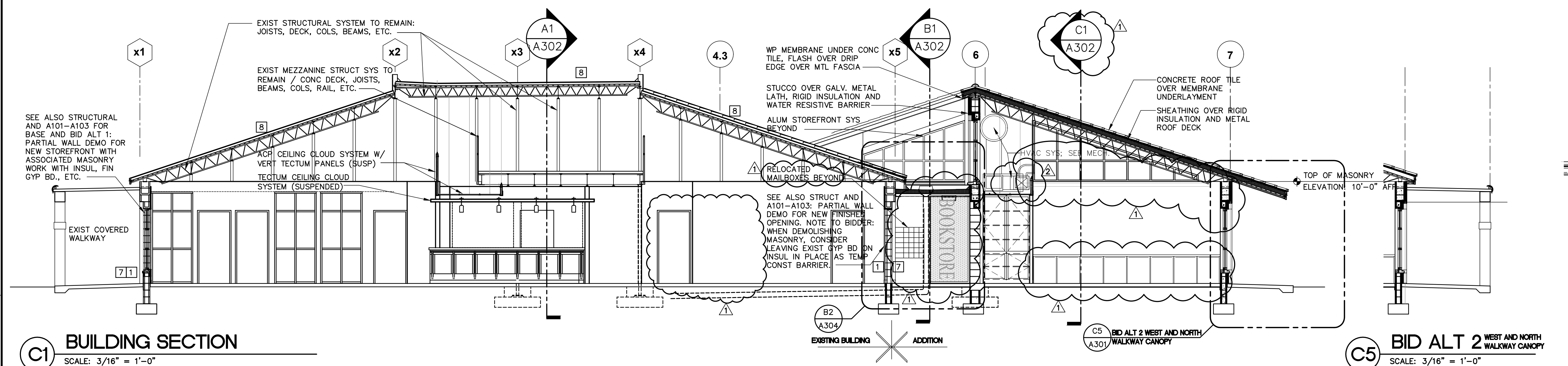
BID DOCUMENTS PHASE

SHEET TITLE

**BUILDING SECTIONS**

SHEET NUMBER

**A301**







AKEL LOGAN SHAFER  
ARCHITECTS AND PLANNERS

704 Rosselle Street / Jacksonville, Florida 32204  
Telephone (904) 356-2654 / Fax (904) 356-4010  
AAC002135

CONSULTANTS

NOTES (APPLY TO ALL SECTIONS)

- 1 BASE BID: REMOVE STOREFRONT OR CMU FOR NEW STOREFRONT OR CASSED OPENING.
- 2 BID ALTERNATE 1: REMOVE STOREFRONT SYSTEM AND PORTION OF MASONRY WHERE APPLICABLE.
- 3 REMOVE EXISTING STAIR FUNCTION BY IN-FILLING; SEE A1/A302 & STRUCTURAL.
- 4 REMOVE PAIR OF DOORS. MODIFY FRAME FOR TWO SINGLE METAL DOORS.
- 5 REMOVE LOUVER. INFILL WITH MASONRY TO MATCH EXISTING.
- 6 REMOVE ENTRY TO THE EXTENT REQ'D TO REBUILD PER STRUCTURAL; IN NO CASE REMOVE EXISTING ROOFING TILE BEYOND VALLEY. SEE SECTIONS.
- 7 ALL WORK AT BASE BID AND BID ALTERNATE STOREFRONT REPLACEMENT REQUIRES REPAIR OF EXISTING EFS/TO MATCH EXISTING, TRIMMED PAINTED.
- 8 NO WORK AT EXIST. TILE ROOF, EXCEPT TO MINIMAL DEGREE INDICATED IN NOTE 3, ON PLAN, ON SECTIONS, & ON STRUCT DRWGS.
- 9 EXISTING GUTTER TO REMAIN.

PROJECT

BID NUMBER: BID-SJR-06-2018  
**RENOVATION WITH  
ADDITION TO BUILDING V  
ST. AUGUSTINE CAMPUS**

FOR



**ST. JOHNS RIVER  
STATE COLLEGE**

MARK	DATE	DESCRIPTION
△	04/25/19	ADDENDUM 4
▲	04/17/19	ADDENDUM 3

ISSUE: MAR 25, 2019  
PROJECT NO: 1809  
CAD DWG FILE:  
DRAWN BY: ALS  
CHECKED BY: MSB

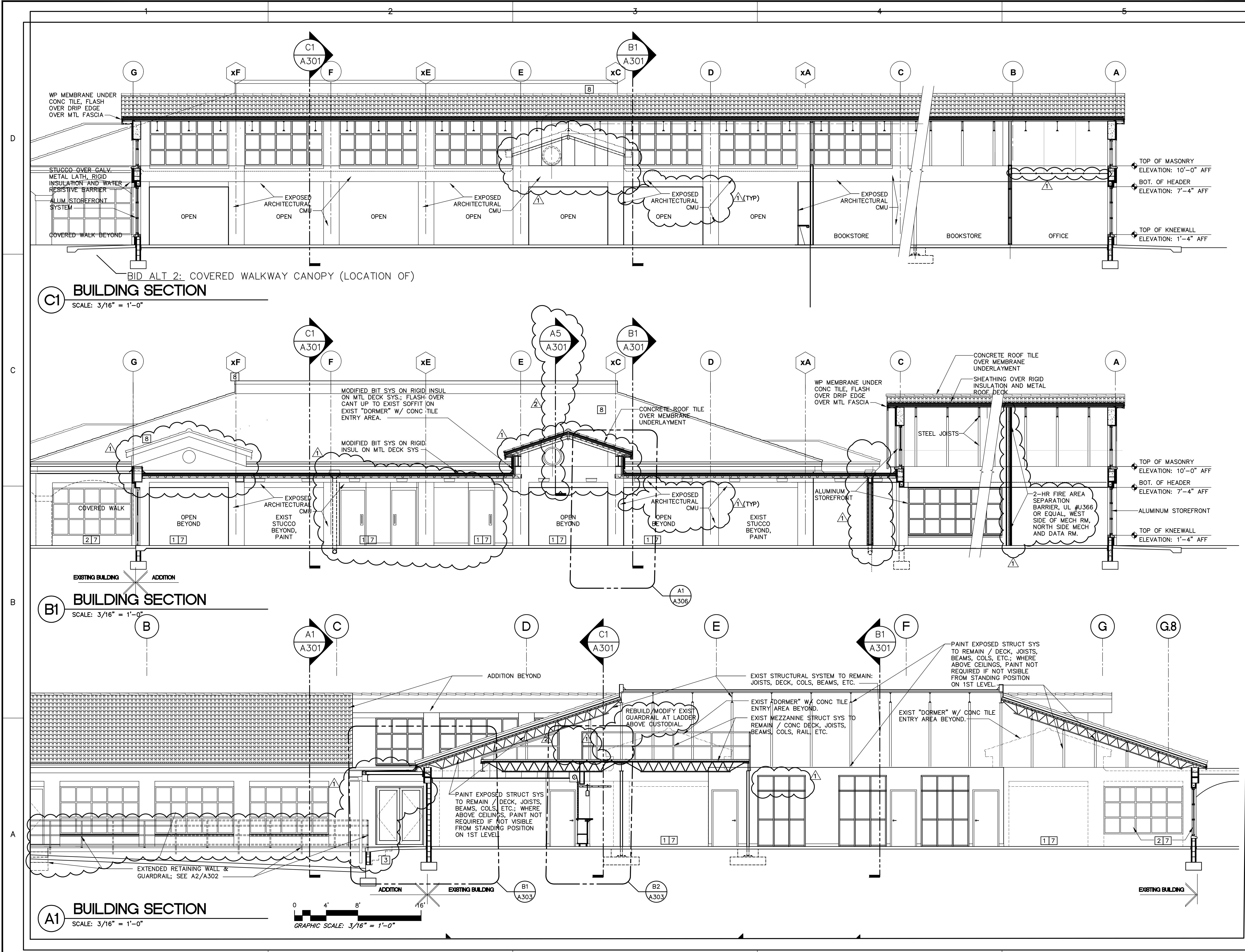
BID DOCUMENTS PHASE

SHEET TITLE

**BUILDING SECTIONS**

SHEET NUMBER

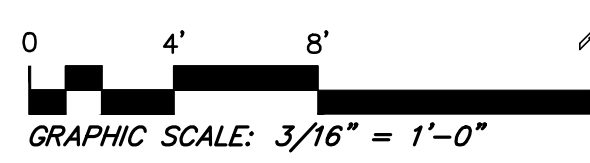
**A302**



**C1 BUILDING SECTION**  
SCALE: 3/16" = 1'-0"  
BID ALT 2: COVERED WALKWAY CANOPY (LOCATION OF)

**B1 BUILDING SECTION**  
SCALE: 3/16" = 1'-0"

**A1 BUILDING SECTION**  
SCALE: 3/16" = 1'-0"  
GRAPHIC SCALE: 3/16" = 1'-0"





AKEL LOGAN SHAFER  
ARCHITECTS AND PLANNERS

704 Rosselle Street / Jacksonville, Florida 32204  
Telephone (904) 356-2654 / Fax (904) 356-4010  
AAC002135

CONSULTANTS

NOTES (APPLY TO ALL SECTIONS)

- 1 BASE BID: REMOVE STOREFRONT OR CMU FOR NEW STOREFRONT OR CASSED OPENING.
- 2 BID ALTERNATE 1: REMOVE STOREFRONT SYSTEM AND PORTION OF MASONRY WHERE APPLICABLE.
- 3 REMOVE EXISTING STAIR FUNCTION BY IN-FILLING; SEE A1/A302 & STRUCTURAL.
- 4 REMOVE PAIR OF DOORS. MODIFY FRAME FOR TWO SINGLE METAL DOORS.
- 5 REMOVE LOUVER. INFILL WITH MASONRY TO MATCH EXISTING.
- 6 REMOVE ENTRY TO THE EXTENT REQ'D TO REBUILD PER STRUCTURAL; IN NO CASE REMOVE EXISTING ROOFING TILE BEYOND VALLEY. SEE SECTIONS.
- 7 ALL WORK AT BASE BID AND BID ALTERNATE STOREFRONT REPLACEMENT REQUIRES REPAIR OF EXISTING EFS/TO MATCH EXISTING, TRIMMED & PAINTED.
- 8 NO WORK AT EXIST. TILE ROOF, EXCEPT TO MINIMAL DEGREE INDICATED IN NOTE 3, ON PLAN, ON SECTIONS, & ON STRUCT DRWGS.
- 9 EXISTING GUTTER TO REMAIN.

PROJECT

BID NUMBER: BID-SJR-06-2018  
**RENOVATION WITH  
ADDITION TO BUILDING V  
ST. AUGUSTINE CAMPUS**

FOR



**ST. JOHNS RIVER  
STATE COLLEGE**

MARK	DATE	DESCRIPTION
△	04/25/19	ADDENDUM 4
▲	04/17/19	ADDENDUM 3

ISSUE: MAR 25, 2019  
PROJECT NO: 1809  
CAD DWG FILE:  
DRAWN BY: ALS  
CHECKED BY: MSB

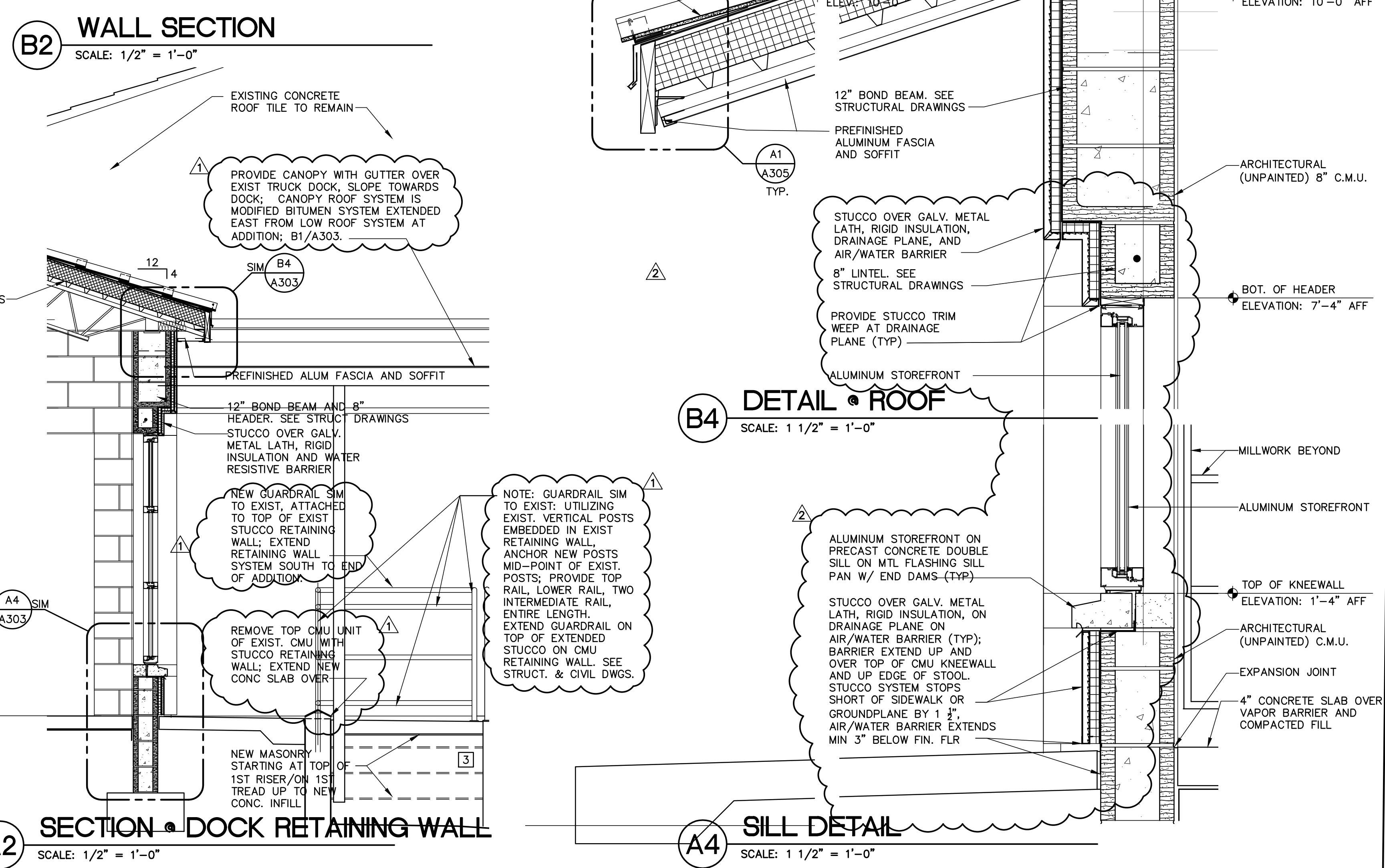
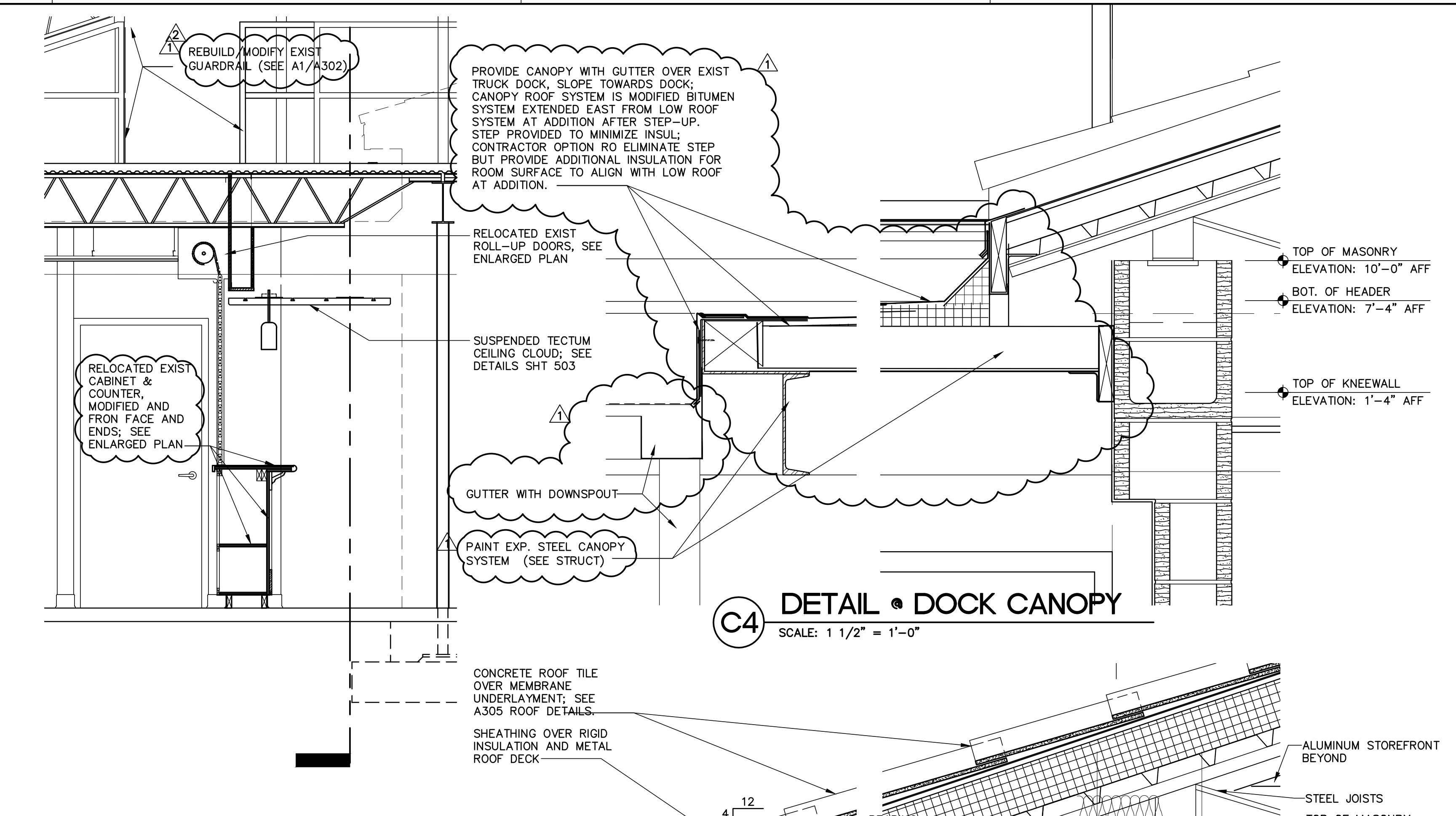
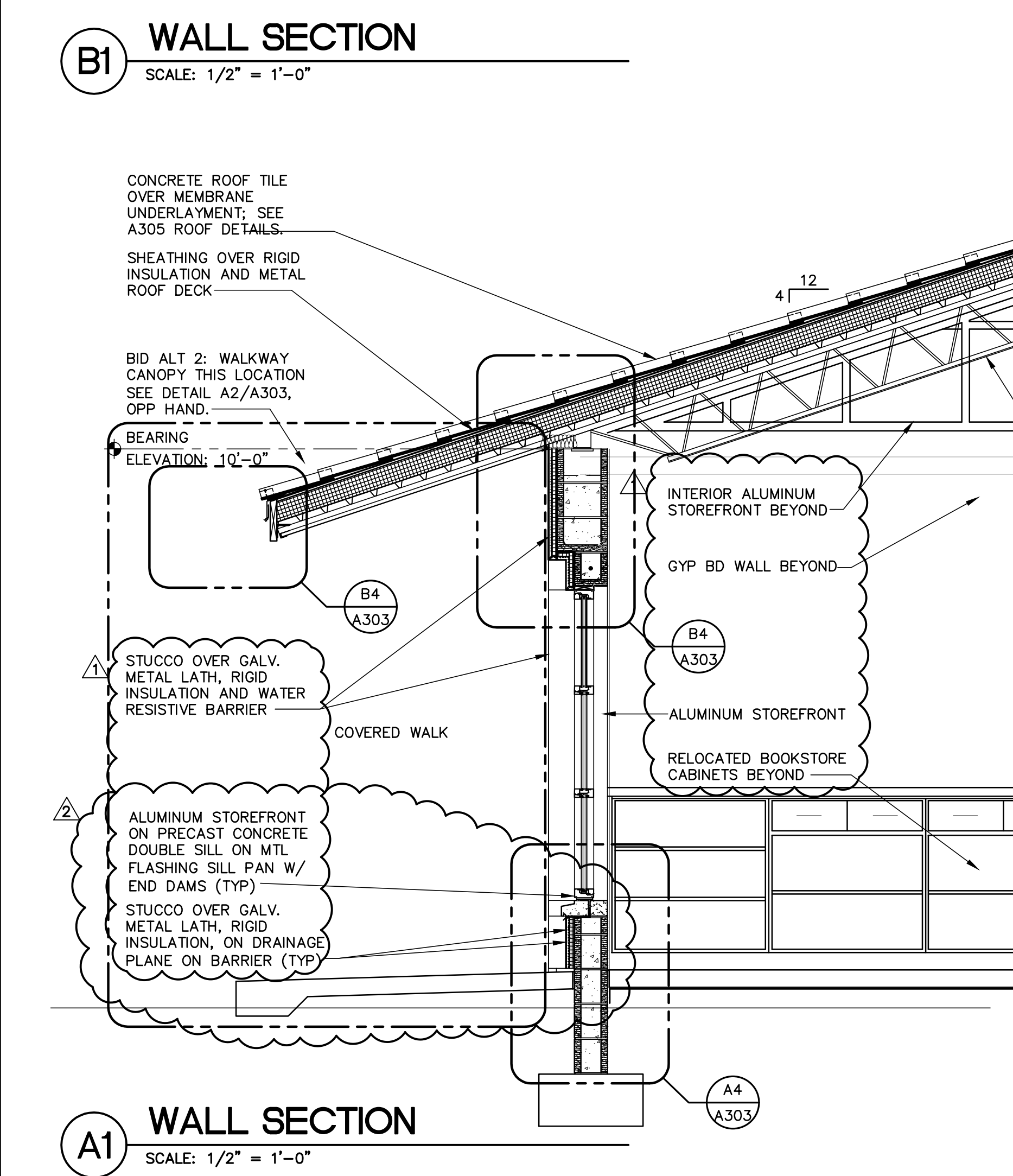
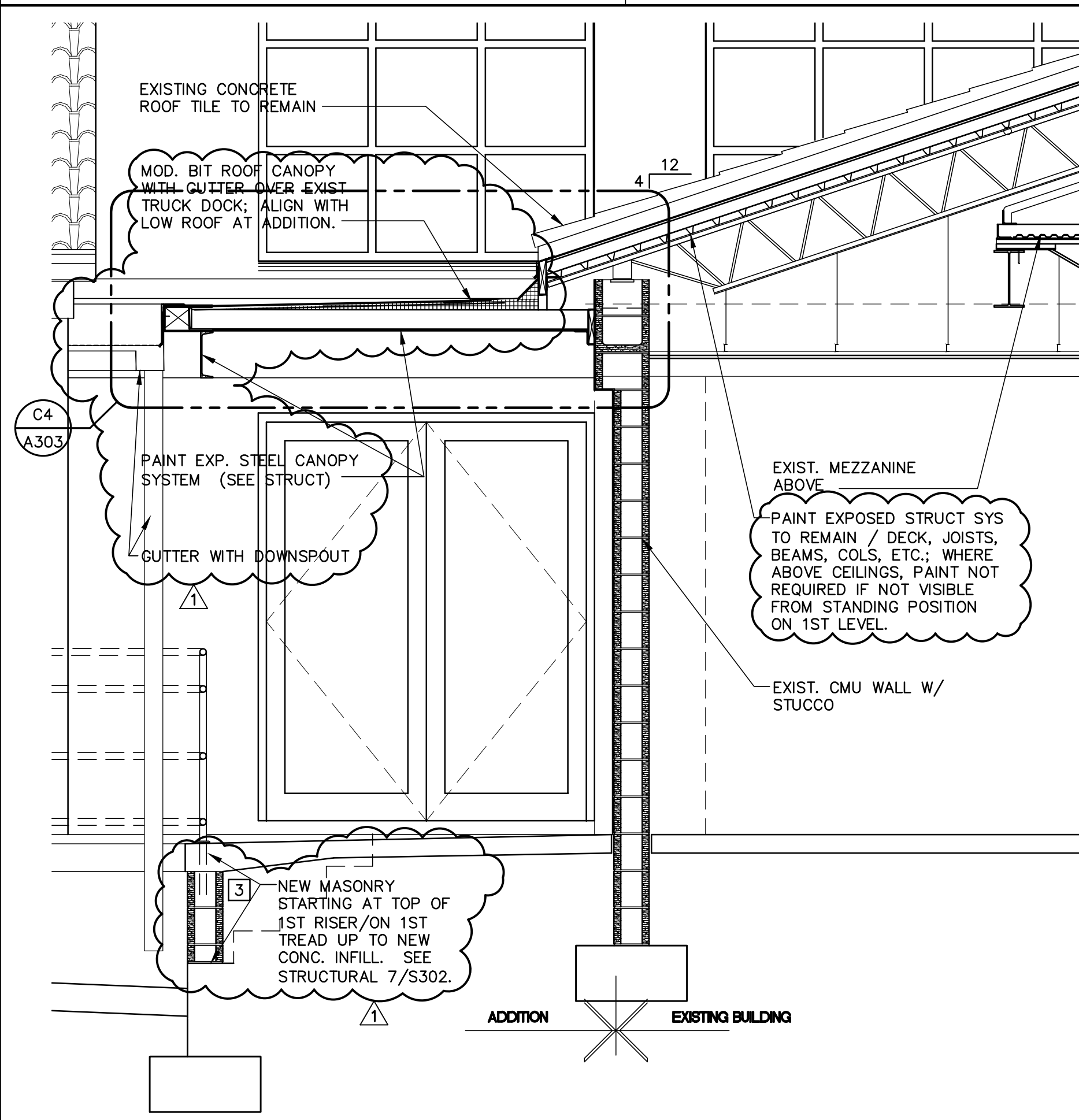
BID DOCUMENTS PHASE

SHEET TITLE

**BUILDING SECTIONS,  
WALL SECTIONS AND DETAILS**

SHEET NUMBER

**A303**



**C4 DETAIL DOCK CANOPY**  
SCALE: 1 1/2" = 1'-0"

**B4 DETAIL ROOF**  
SCALE: 1 1/2" = 1'-0"





AKEL LOGAN SHAFER  
ARCHITECTS AND PLANNERS

704 Rosselle Street / Jacksonville, Florida 32204  
Telephone (904) 356-2654 / Fax (904) 356-4010  
AAC002135

CONSULTANTS

NOTES (APPLY TO ALL SECTIONS)

- 1 BASE BID: REMOVE STOREFRONT OR CMU FOR NEW STOREFRONT OR CASSED OPENING.
- 2 BID ALTERNATE 1: REMOVE STOREFRONT SYSTEM AND PORTION OF MASONRY WHERE APPLICABLE.
- 3 REMOVE EXISTING STAIR FUNCTION BY IN-FILLING; SEE A1/A302 & STRUCTURAL.
- 4 REMOVE PAIR OF DOORS. MODIFY FRAME FOR TWO SINGLE METAL DOORS.
- 5 REMOVE LOUVER. INFILL WITH MASONRY TO MATCH EXISTING.
- 6 REMOVE ENTRY TO THE EXTENT REQ'D TO REBUILD PER STRUCTURAL; IN NO CASE REMOVE EXISTING ROOFING TILE BEYOND VALLEY. SEE SECTIONS.
- 7 ALL WORK AT BASE BID AND BID ALTERNATE STOREFRONT REPLACEMENT REQUIRES REPAIR OF EXISTING EFS/TO MATCH EXISTING, TRIMMED & PAINTED.
- 8 NO WORK AT EXIST. TILE ROOF, EXCEPT TO MINIMAL DEGREE INDICATED IN NOTE 3, ON PLAN, ON SECTIONS, & ON STRUCT DRWGS.
- 9 EXISTING GUTTER TO REMAIN.

PROJECT

BID NUMBER: BID-SJR-06-2018  
**RENOVATION WITH  
ADDITION TO BUILDING V  
ST. AUGUSTINE CAMPUS**

FOR



**ST. JOHNS RIVER  
STATE COLLEGE**

MARK	DATE	DESCRIPTION
▲	04/25/19	ADDENDUM 4
▲	04/17/19	ADDENDUM 3

ISSUE: MAR 25, 2019  
PROJECT NO: 1809  
CAD DWG FILE:  
DRAWN BY: ALS  
CHECKED BY: MSB

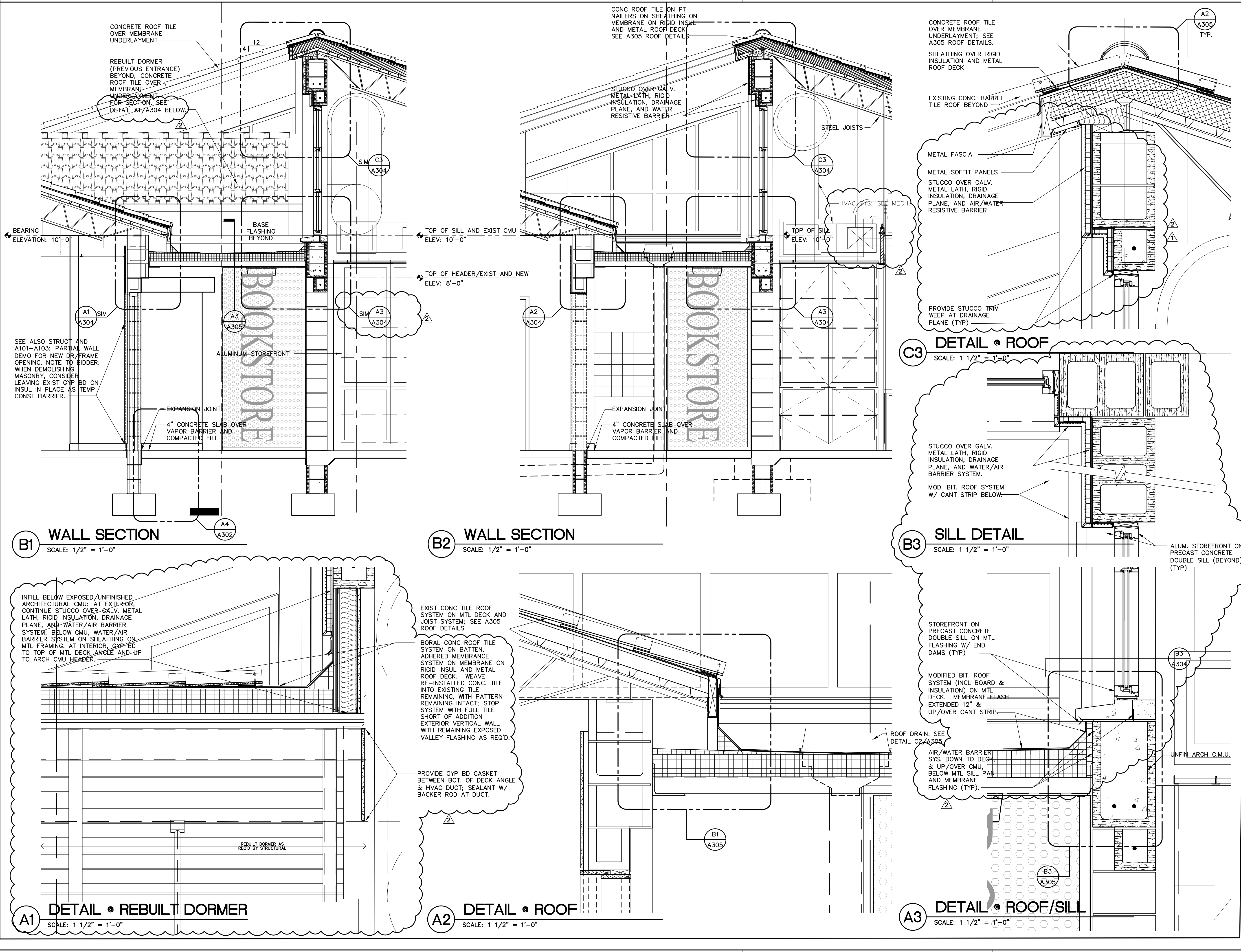
BID DOCUMENTS PHASE

SHEET TITLE

**WALL SECTIONS  
AND DETAILS**

SHEET NUMBER

**A304**





AKEL LOGAN SHAFER  
ARCHITECTS AND PLANNERS

704 Rosselle Street / Jacksonville, Florida 32204  
Telephone (904) 356-2654 / Fax (904) 356-4010  
AAC002135

CONSULTANTS

NOTES (APPLY TO ALL SECTIONS)

- 1 BASE BID: REMOVE STOREFRONT OR CMU FOR NEW STOREFRONT OR CASSED OPENING.
- 2 BID ALTERNATE 1: REMOVE STOREFRONT SYSTEM AND PORTION OF MASONRY WHERE APPLICABLE.
- 3 REMOVE EXISTING STAIR FUNCTION BY IN-FILLING; SEE A1/A302 & STRUCTURAL.
- 4 REMOVE PAIR OF DOORS. MODIFY FRAME FOR TWO SINGLE METAL DOORS.
- 5 REMOVE LOUVER. INFILL WITH MASONRY TO MATCH EXISTING.
- 6 REMOVE ENTRY TO THE EXTENT REQ'D TO REBUILD PER STRUCTURAL; IN NO CASE REMOVE EXISTING ROOFING TILE BEYOND VALLEY. SEE SECTIONS.
- 7 ALL WORK AT BASE BID AND BID ALTERNATE STOREFRONT REPLACEMENT REQUIRES REPAIR OF EXISTING EFS/TO MATCH EXISTING, TRIMMED PAINTED.
- 8 NO WORK AT EXIST. TILE ROOF, EXCEPT TO MINIMAL DEGREE INDICATED IN NOTE 3, ON PLAN, ON SECTIONS, & ON STRUCT DRWGS.
- 9 EXISTING GUTTER TO REMAIN.

PROJECT

BID NUMBER: BID-SJR-06-2018  
**RENOVATION WITH  
ADDITION TO BUILDING V  
ST. AUGUSTINE CAMPUS**

FOR



**ST. JOHNS RIVER  
STATE COLLEGE**

MARK	DATE	DESCRIPTION
	04/25/19	ISSUED WITH ADDENDUM 4
		ISSUE: MAR 25, 2019
		PROJECT NO: 1809
		CAD DWG FILE:
		DRAWN BY: ALS
		CHECKED BY: MSB

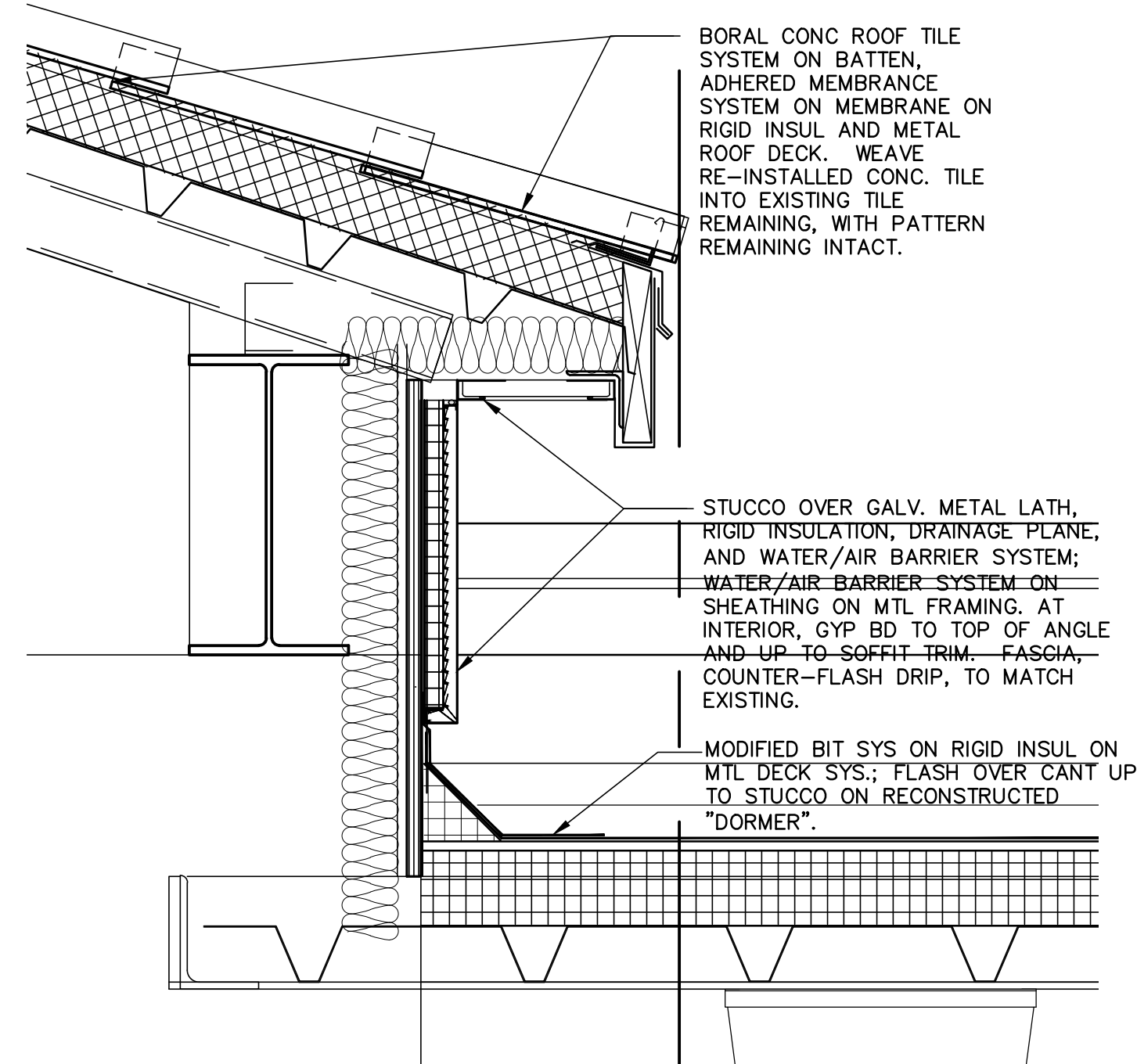
BID DOCUMENTS PHASE

SHEET TITLE

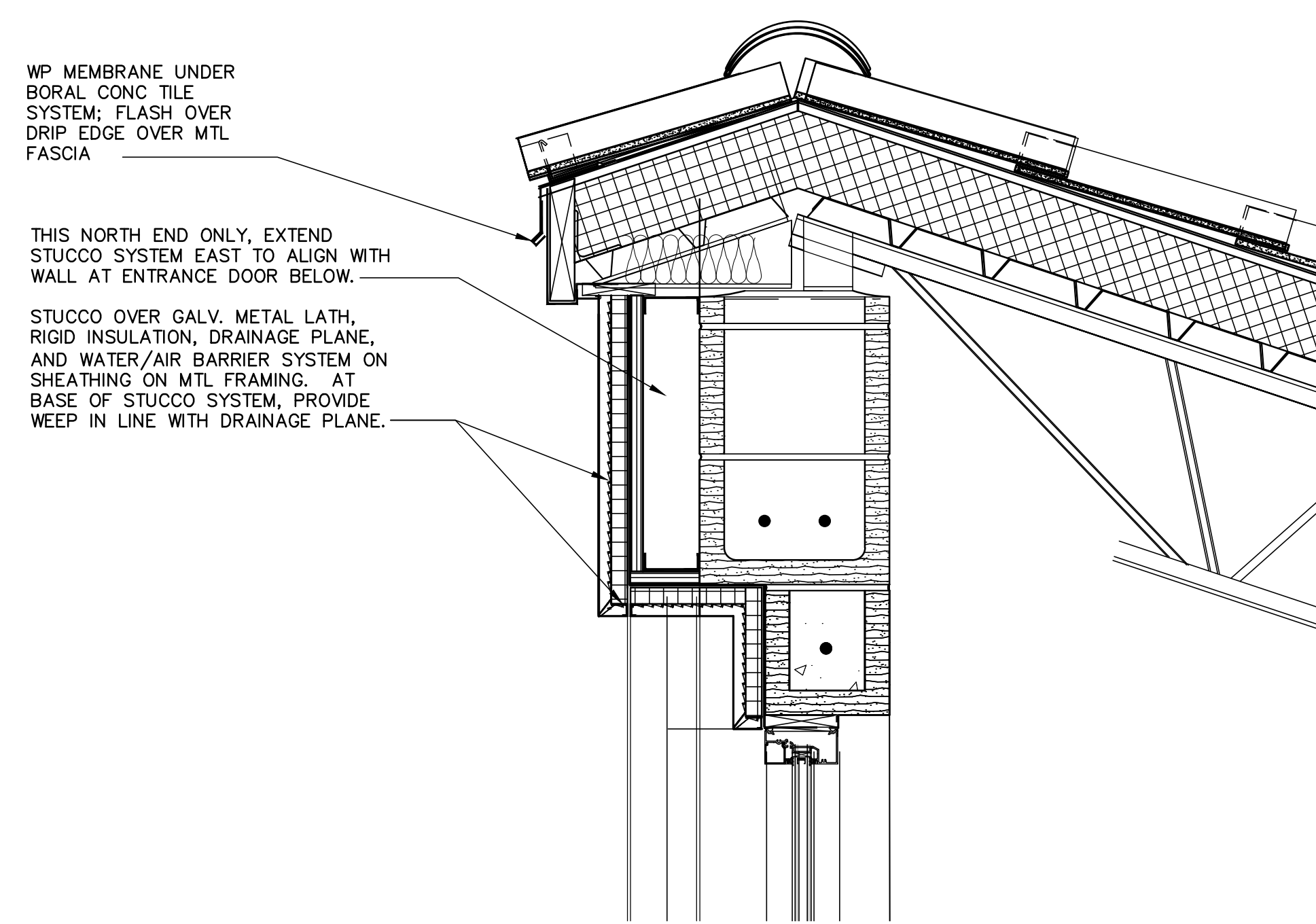
**BUILDING SECTIONS,  
WALL SECTIONS AND DETAILS**

SHEET NUMBER

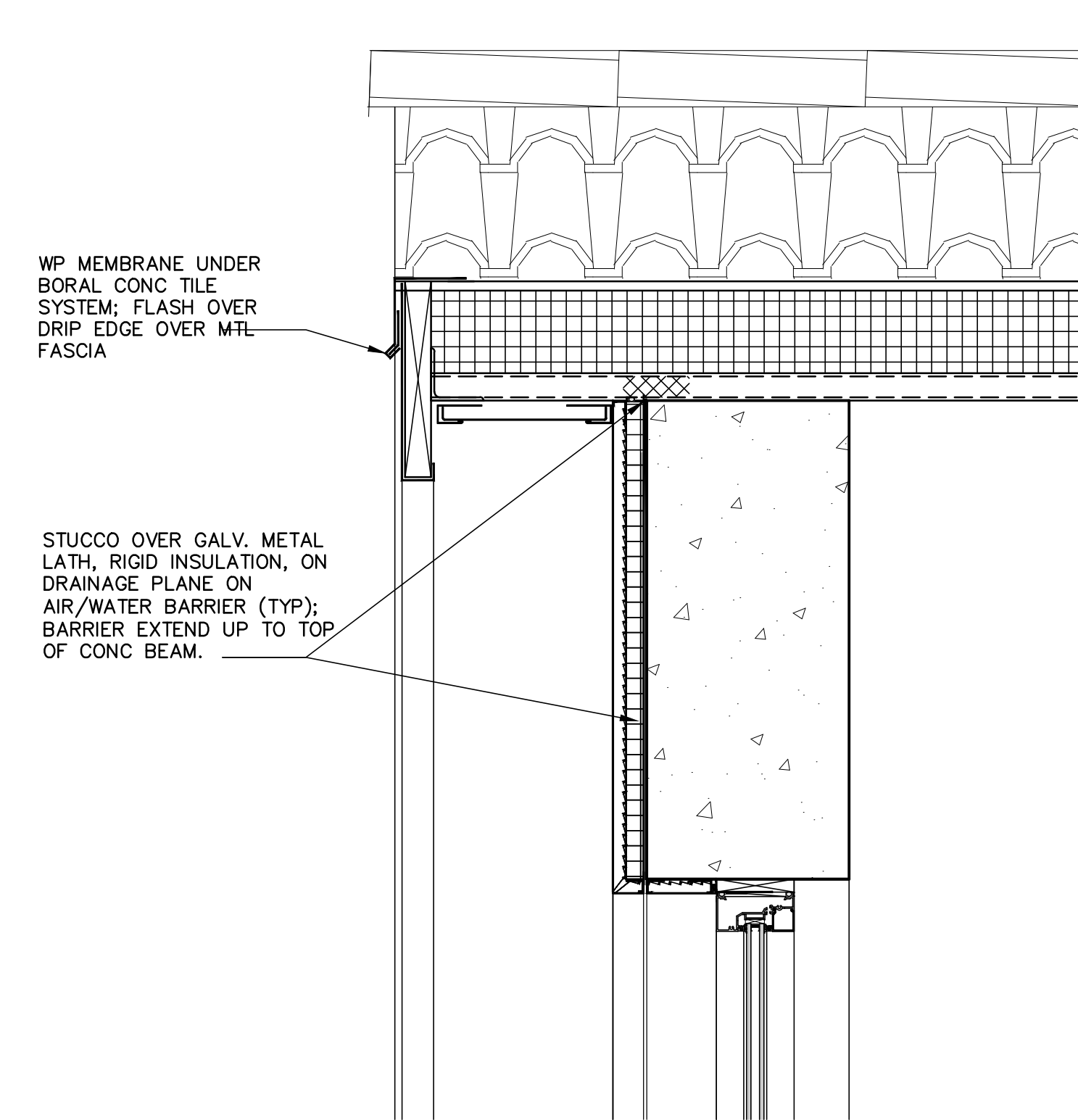
**A306**



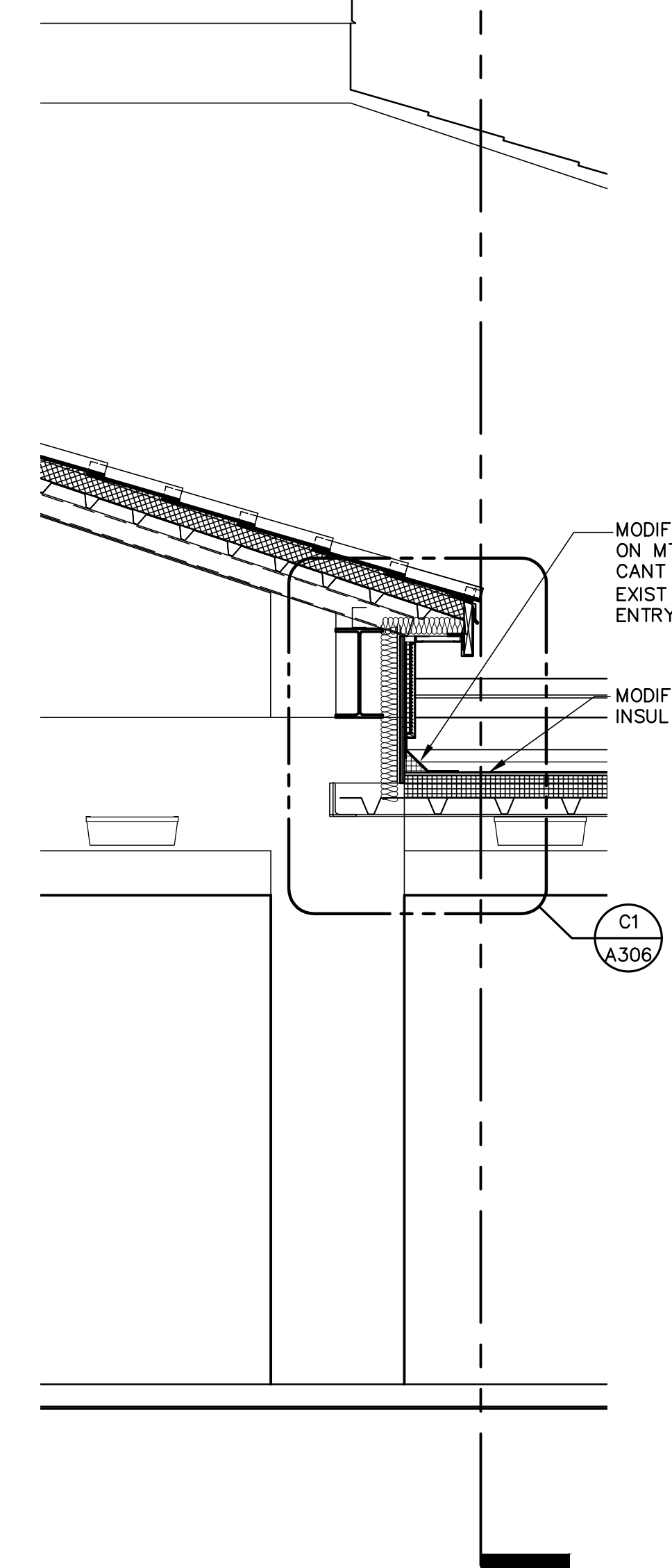
**C1 DETAIL • DOCK CANOPY**  
SCALE: 1 1/2" = 1'-0"



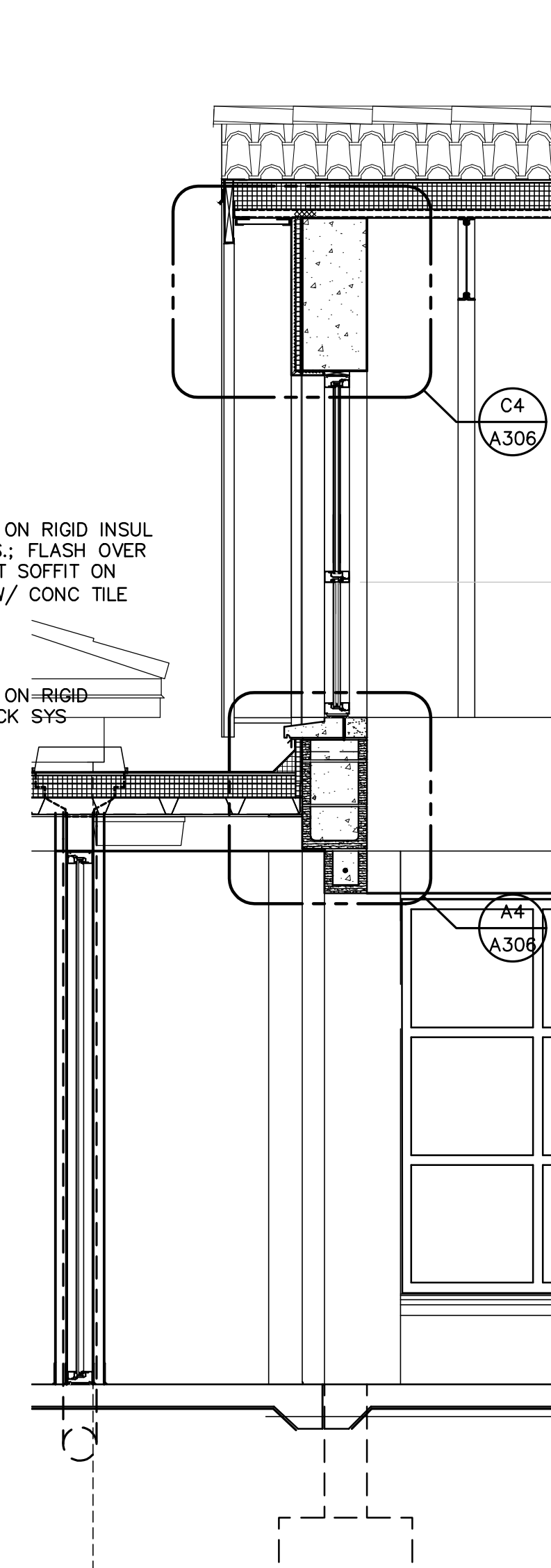
**C3 DETAIL • ADDITION NORTH END**  
SCALE: 1 1/2" = 1'-0"



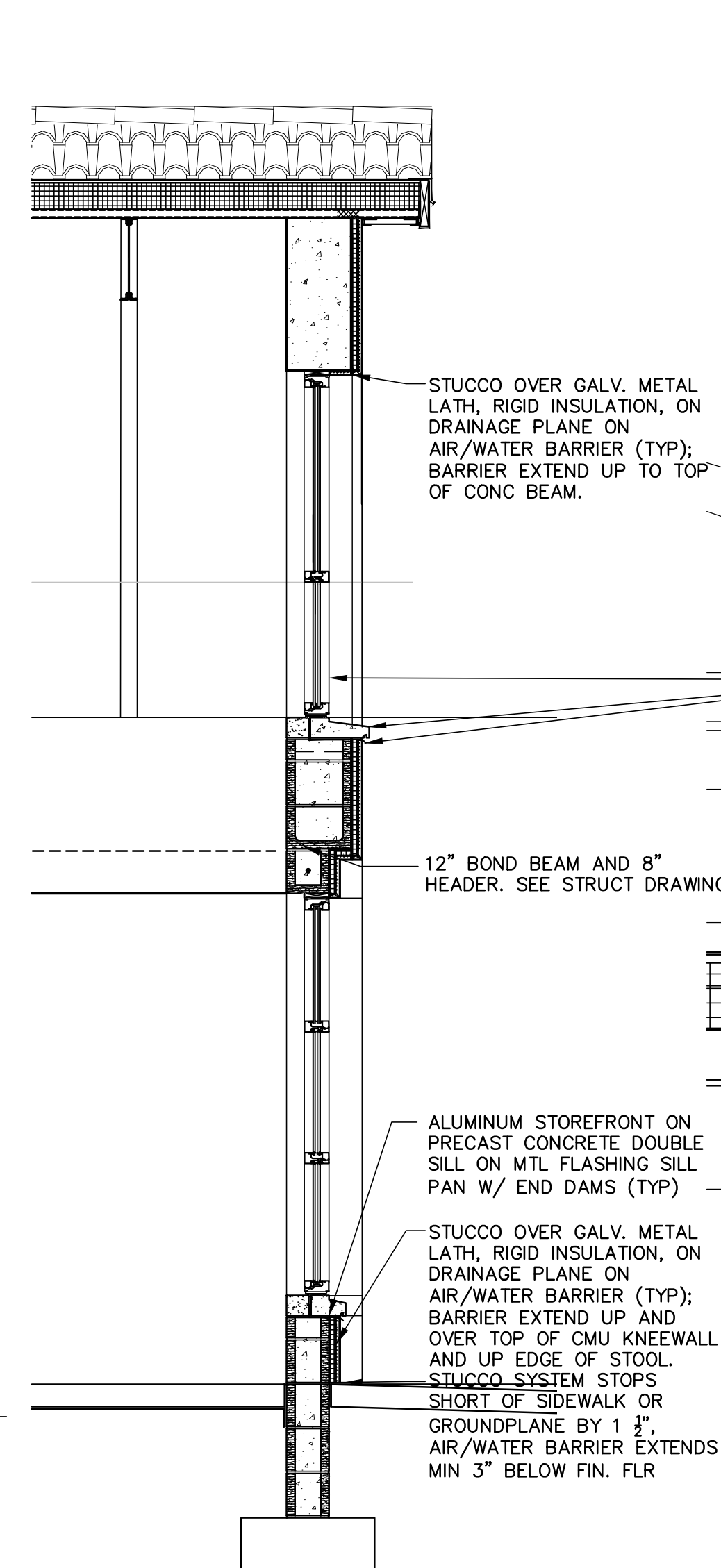
**C4 DETAIL • DOCK CANOPY**  
SCALE: 1 1/2" = 1'-0"



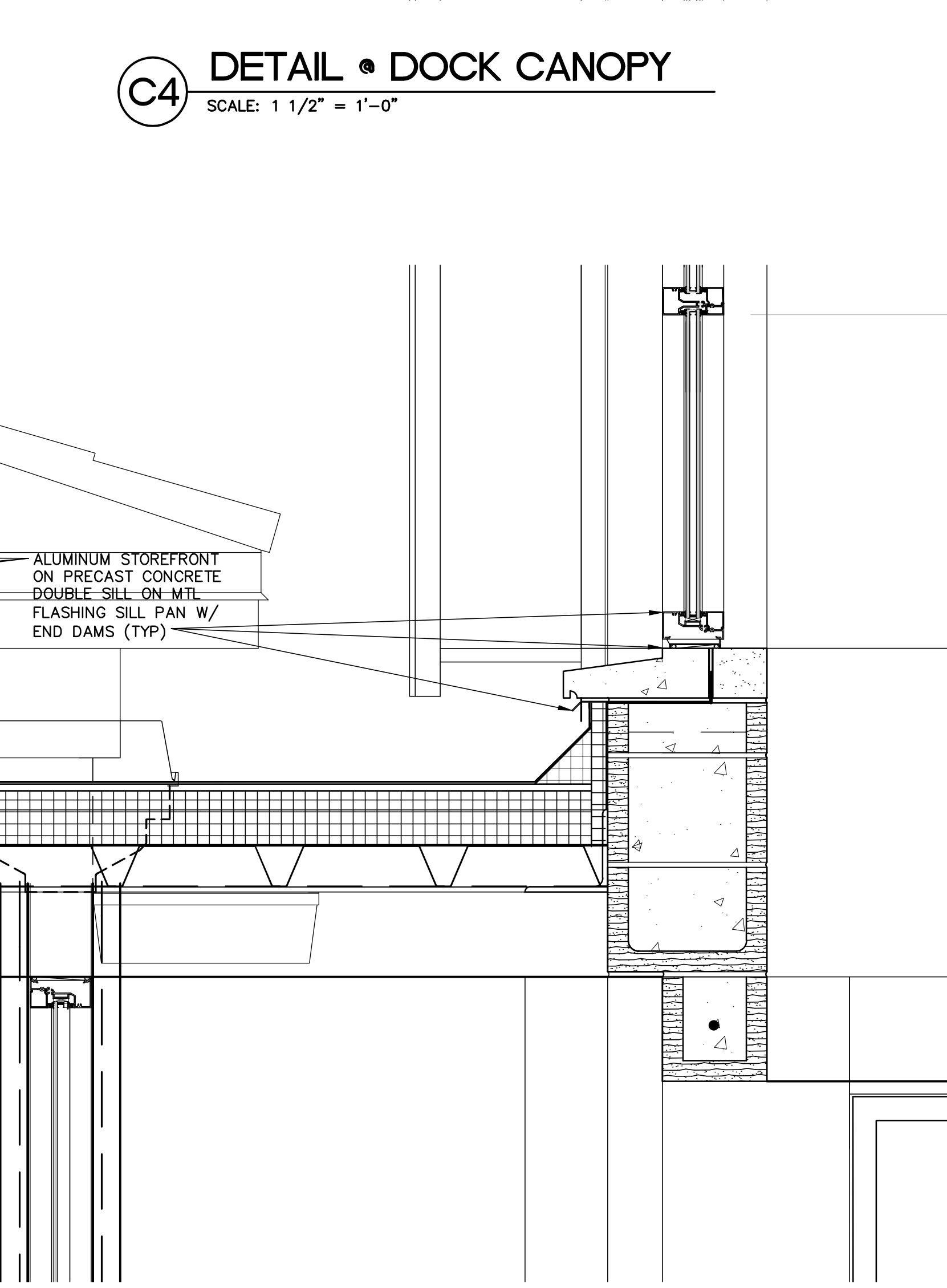
**A1 WALL SECTION**  
SCALE: 1/2" = 1'-0"



**A2 WALL SECTION**  
SCALE: 1/2" = 1'-0"



**A3 WALL SECTION**  
SCALE: 1/2" = 1'-0"



**A4 SILL DETAIL**  
SCALE: 1 1/2" = 1'-0"



AKEL LOGAN SHAFER ARCHITECTS AND PLANNERS

704 Rosselle Street / Jacksonville, Florida 32204  
Telephone (904) 356-2654 / Fax (904) 356-4010  
AAC002135

CONSULTANTS

NOTES

PROJECT

BID NUMBER: BID-SJR-06-2018

RENOVATION WITH  
ADDITION TO BUILDING V  
ST. AUGUSTINE CAMPUS

FOR



ST. JOHNS RIVER  
STATE COLLEGE

04/25/19 ISSUED WITH ADDENDUM 4  
MARK DATE DESCRIPTION

ISSUE: MAR 25, 2019

PROJECT NO: 1809

CAD DWG FILE:

DRAWN BY: ALS

CHECKED BY: MSB

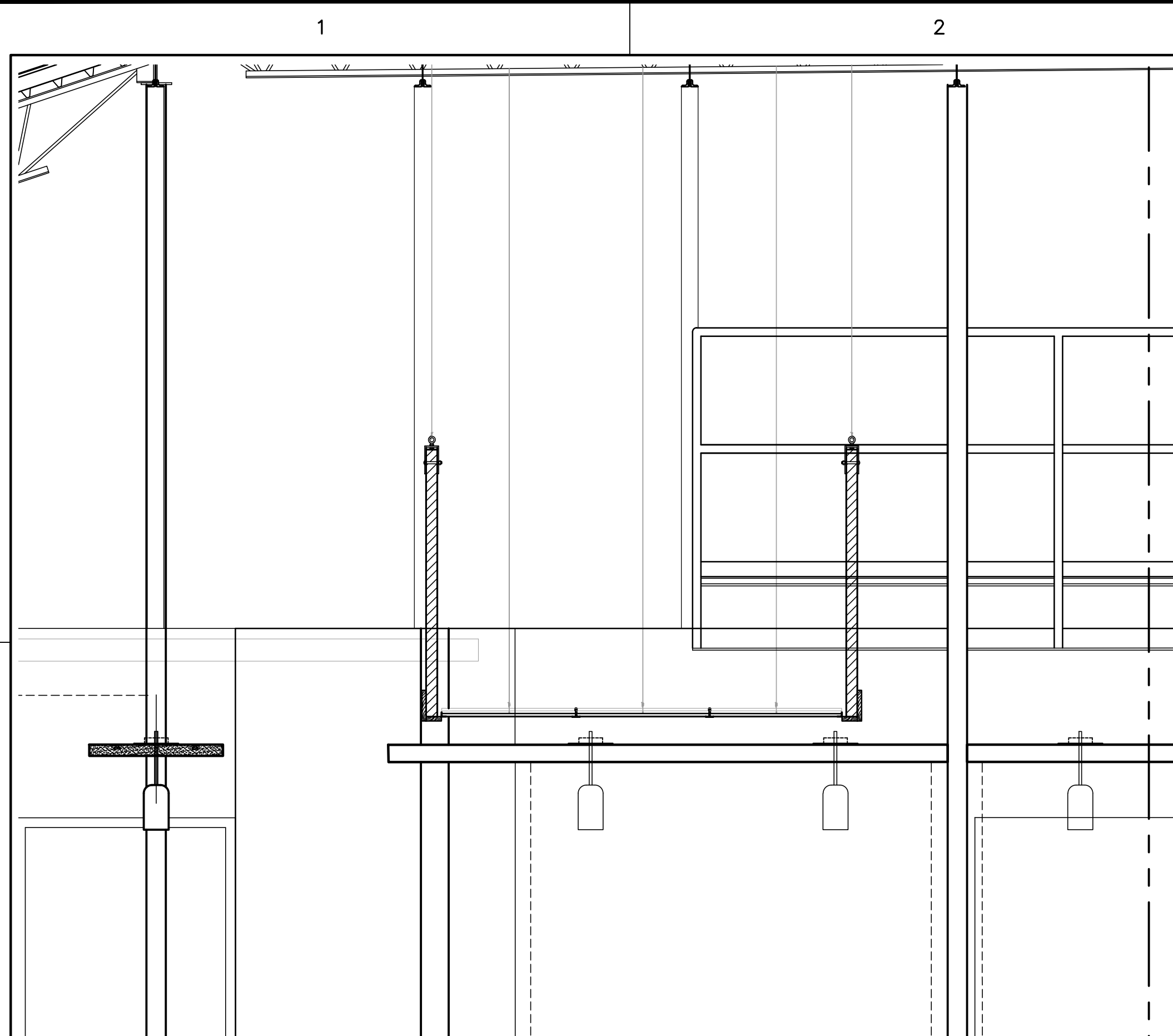
BID DOCUMENTS PHASE

SHEET TITLE

ENLARGED CEILING AND  
SOFFIT DETAILS

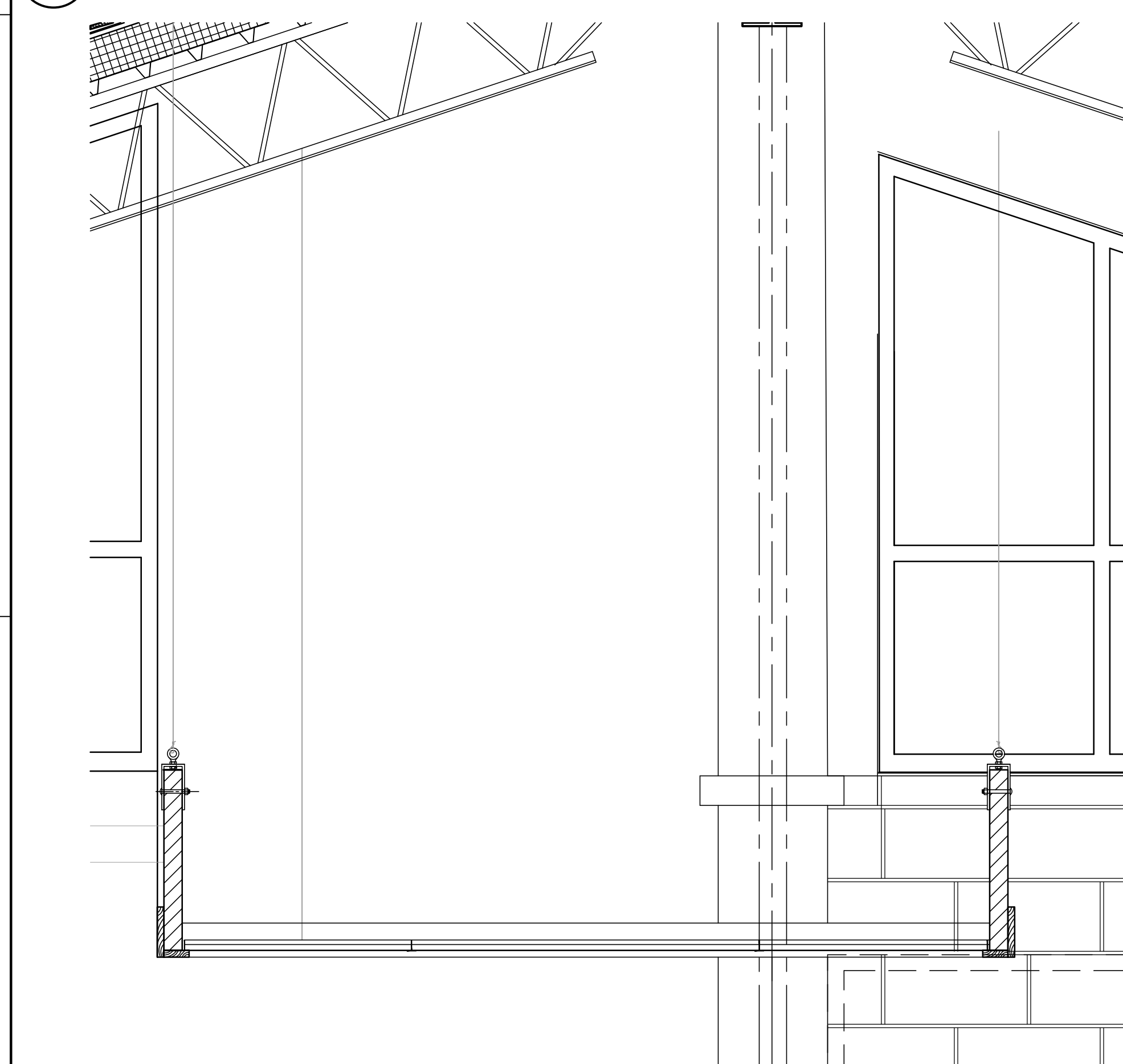
SHEET NUMBER

A502



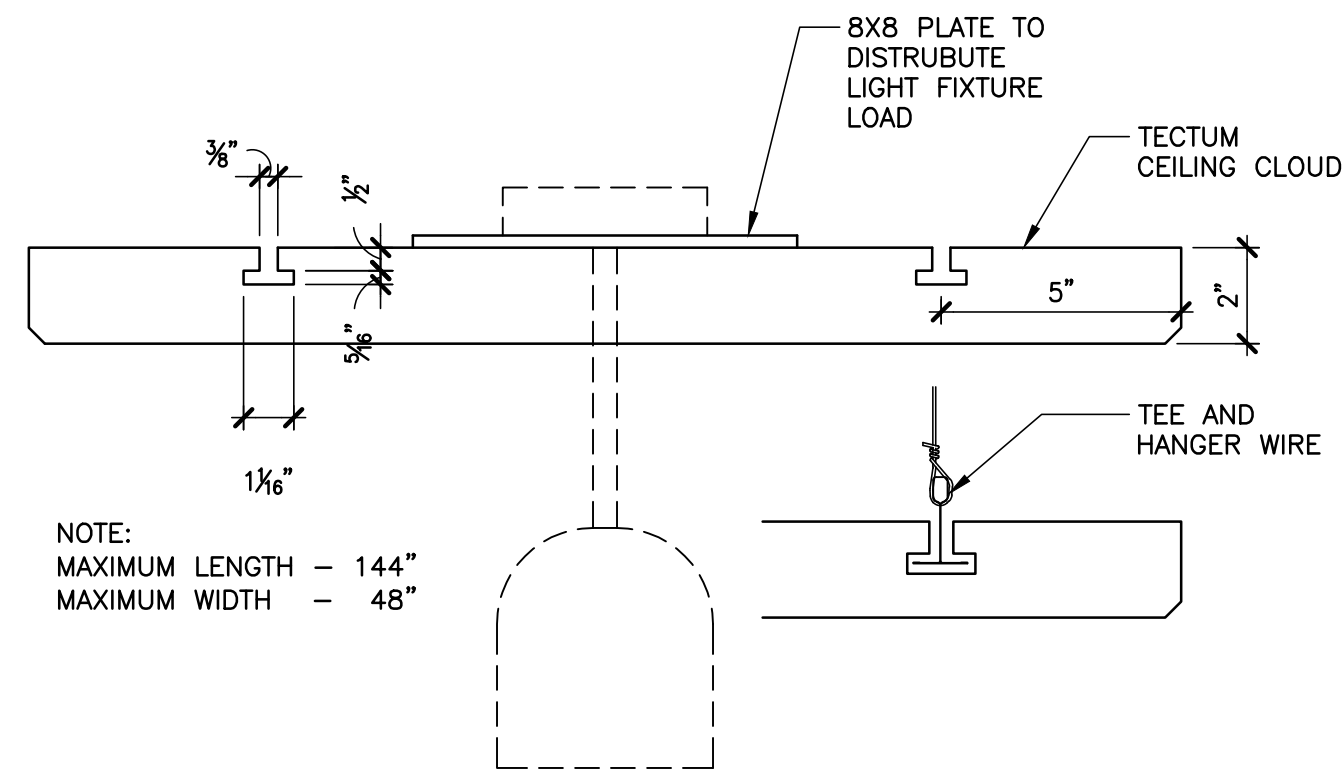
C1 ENLARGED CEILING AND SOFFIT DETAIL

SCALE: 1" = 1'-0"



A1 ENLARGED CEILING AND SOFFIT DETAIL

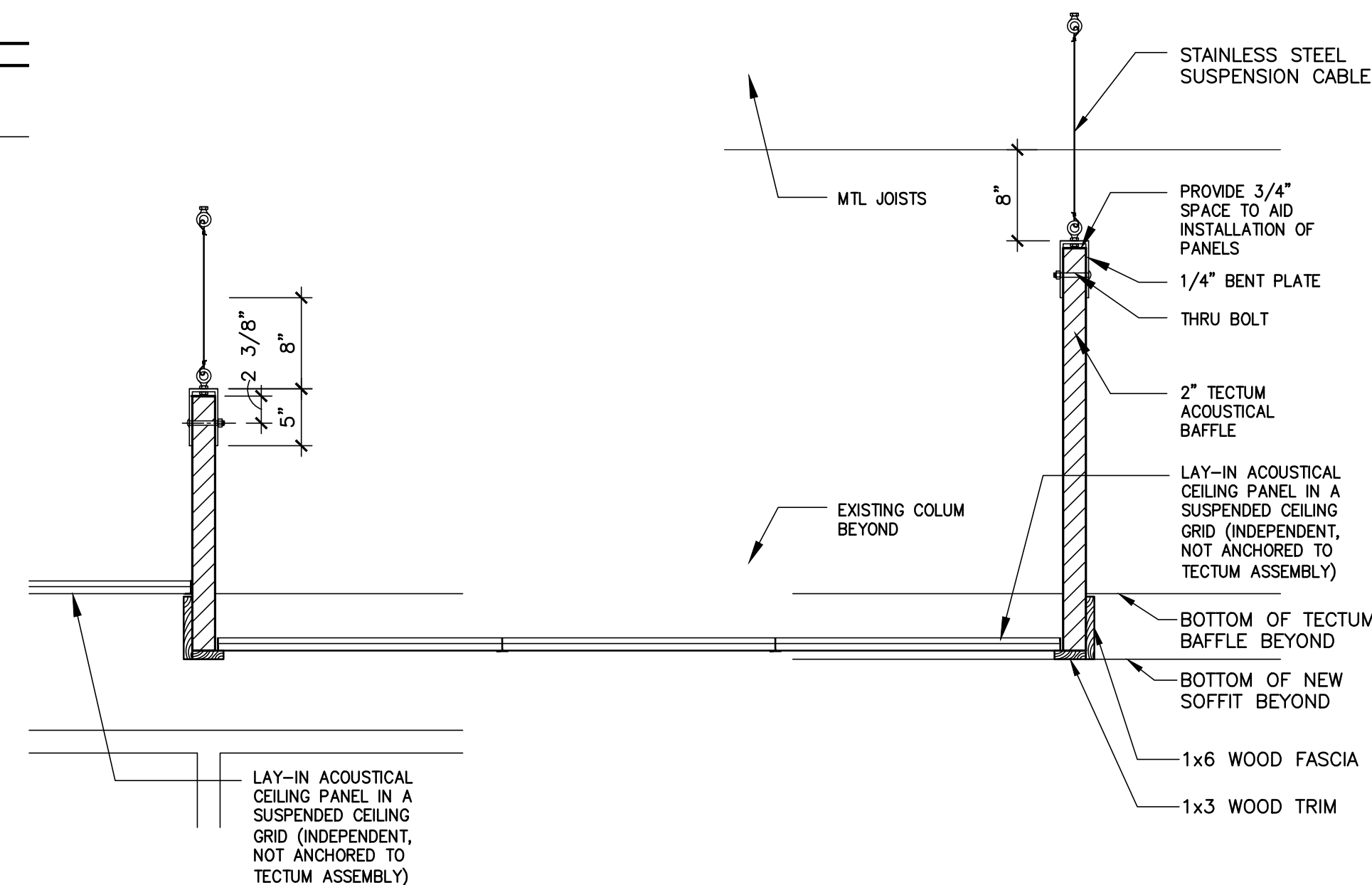
SCALE: 1" = 1'-0"



NOTE:  
MAXIMUM LENGTH - 144"  
MAXIMUM WIDTH - 48"

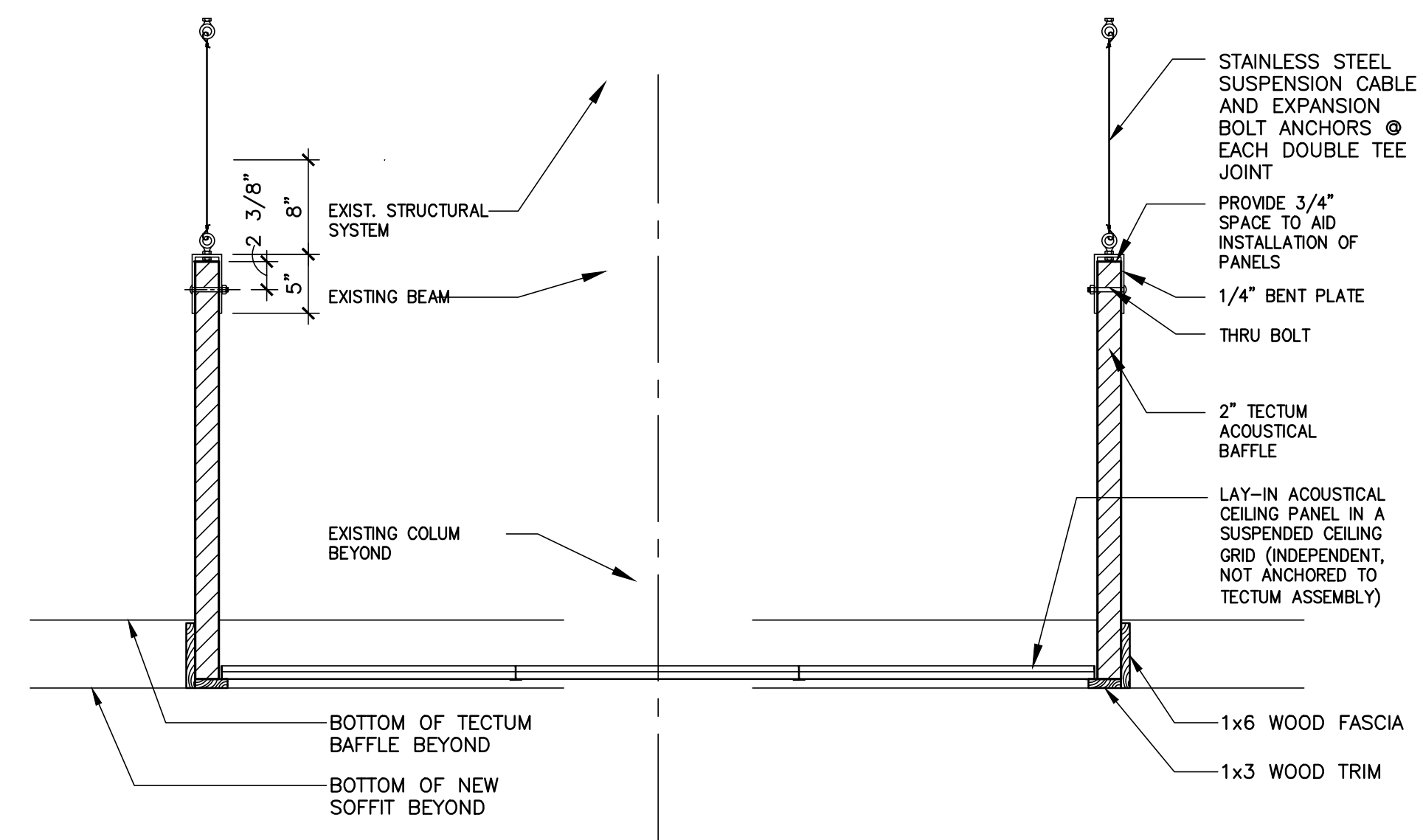
D3 ENLARGED CEILING CLOUD DETAIL

SCALE: 3" = 1'-0"



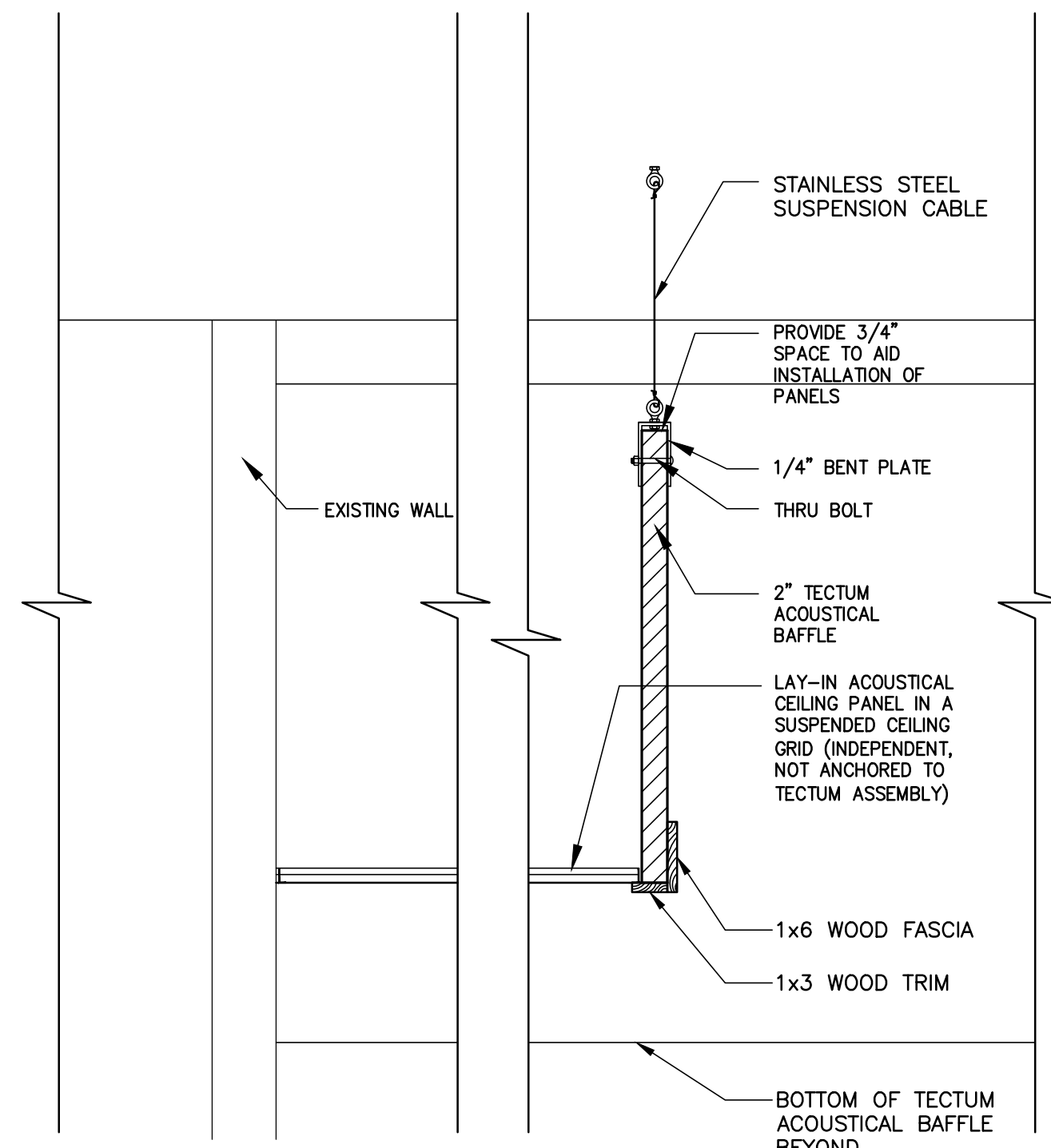
B3 ENLARGED CEILING DETAIL

SCALE: 1" = 1'-0"



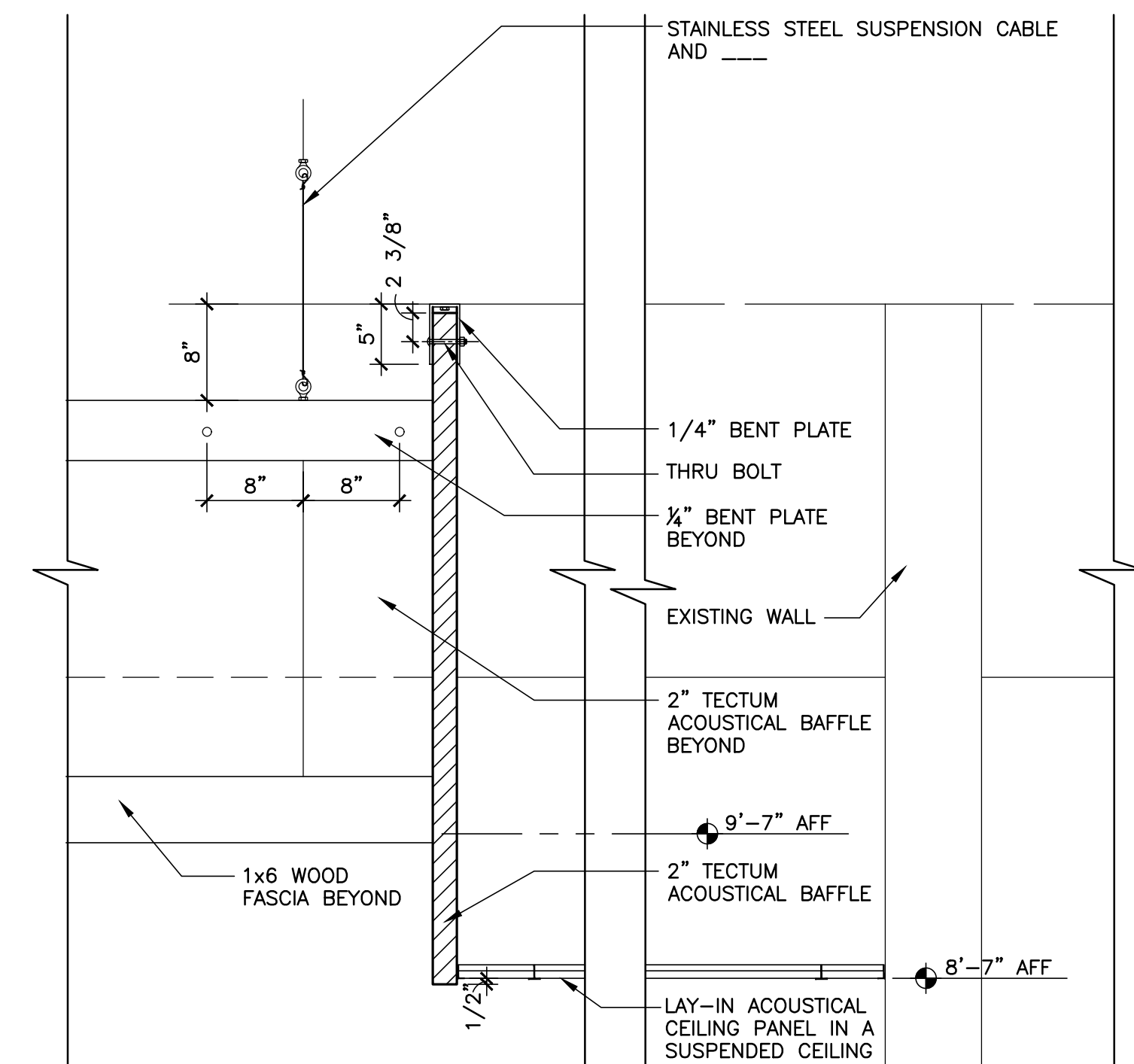
A3 ENLARGED CEILING DETAIL

SCALE: 1" = 1'-0"



C4 ENLARGED CEILING DETAIL

SCALE: 1" = 1'-0"



A4 ENLARGED CEILING DETAIL

SCALE: 1" = 1'-0"





AKEL  LOGAN  SHAFER  
ARCHITECTS AND PLANNERS

704 Rosselle Street / Jacksonville, Florida 32204  
Telephone (904) 356-2654 / Fax (904) 356-4010  
AAC002135

CONSULTANTS

NOTES (APPLY TO THIS SHEET ONLY)

- 1 REMOVE EXISTING WALLCOVERING, REPAIR AS REQUIRED TO REMOVE GLUE AND/OR FINAL MUD FINISH, SAND SMOOTH, AND PAINT.
- 2 NEW WALL BETWEEN RESTROOM VESTIBULE AND ADA STALL TO BE ACCENT TILE WALL. SEE A1/A601.
- 3 SEE REFLECTED CEILING PLANS FOR CEILING CLOUDS, ACP TYPE AND TECTUM.
- 4 AT LOCATION OF ALL NEW AND REVISED STOREFRONT OPENINGS OR CASED OPENINGS (GYP BD ON MASONRY WALL) SHOWN ON FLOOR PLAN, REPAIR GYP BD AND PAINT. IN MOST LOCATIONS, WINDOW IS INCREASING IN SIZE/KNEE WALL IS BEING LOWERED; REMOVE AND REINSTALL MARBLE STOOL OR PROVIDE NEW TO MATCH EXIST.
- 5 BID ALTERNATE 1: AT LOCATION OF REVISED STOREFRONT OPENINGS (GYP BD ON MASONRY WALL) SHOWN ON FLOOR PLAN, REPAIR GYP BD AND PAINT. WINDOW IS INCREASING IN SIZE/KNEE WALL IS BEING LOWERED; REMOVE AND REINSTALL MARBLE STOOL OR PROVIDE NEW TO MATCH EXIST.
- 6 CONTRACTOR OPTION: EXPOSED ARCH CMU CAN BE SEALED STANDARD CMU IN UTILITIES.

PROJECT

BID NUMBER: BID-SJR-06-2018  
**RENOVATION WITH  
ADDITION TO BUILDING V  
ST. AUGUSTINE CAMPUS**

FOR



**ST. JOHNS RIVER  
STATE COLLEGE**

	04/25/19	ADDENDUM 4
	04/17/19	ADDENDUM 3
	04/08/19	ISSUED W/ ADDENDUM 1

MARK	DATE	DESCRIPTION

ISSUE: MAR 25, 2019  
PROJECT NO: 1809  
CAD DWG FILE:  
DRAWN BY: ALS  
CHECKED BY: MSB

BID DOCUMENTS PHASE

SHEET TITLE

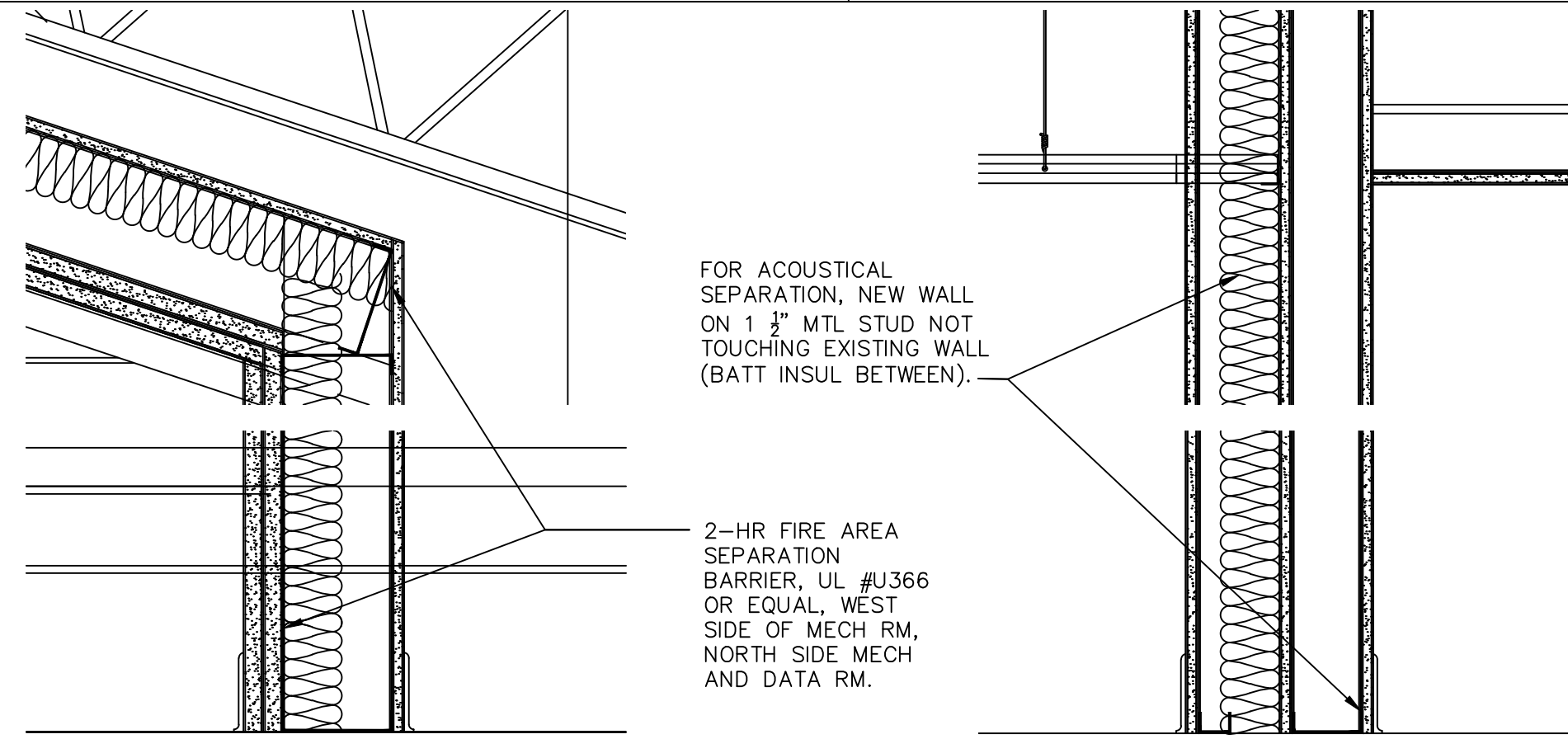
**FINISH SCHEDULE**

SHEET NUMBER

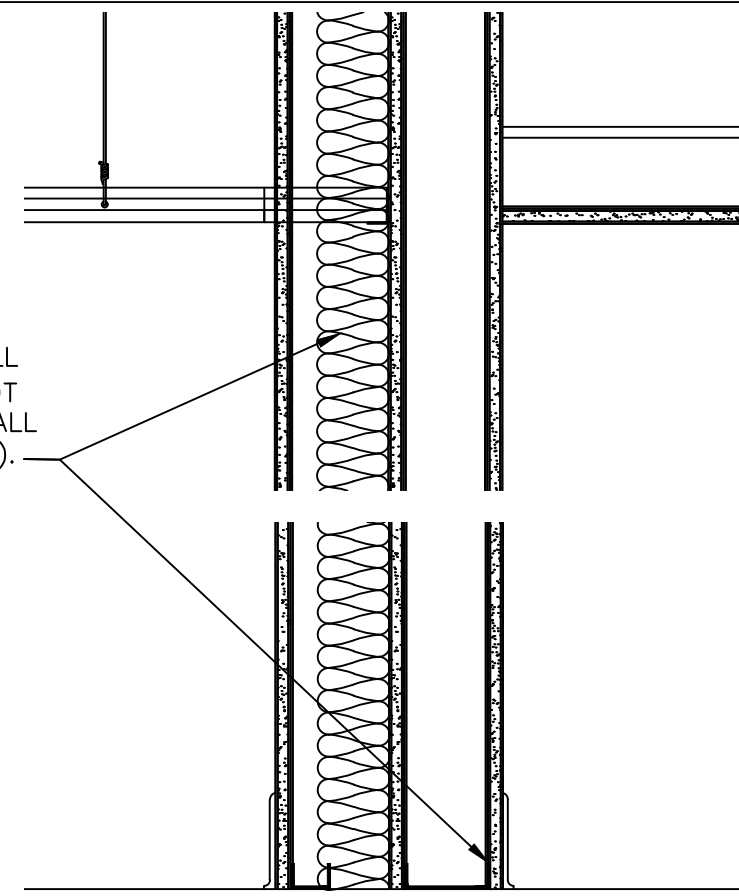
**A601**

# FINISH SCHEDULE

MARK	SPACE	FLOOR		BASE		WALLS		WAINS.		CEILING		CL.G.H.T.	REMARKS									
		EXISTING TO REMAIN	LVT	CARPET TILES	SEALED CONCRETE	PORCELAIN TILE	EXISTING TO REMAIN	4" RUBBER COVE BASE	NONE	EXPOSED ARCHITECTURAL CMU	WOOD			CERAMIC TILE	EXISTING TO REMAIN	ARCHITECTURAL CMU	PAINTED GYPSUM BOARD	PAINTED CMU	CERAMIC TILE	PAINTED EXP. STRUCT. (NEW)	PAINTED EXP. STRUCT. (EXIST.)	ACP
<i>BUILDING V</i>																						
V0100	ENTRY		2										VARIABLES	WALK-OFF CARPET INSET								
V0101	STUDENT ACTIVITY CENTER		2										VARIABLES	WALK-OFF CARPET INSET 1 3 4 5								
V0101A	OFFICE	1		4				10					9'-0"	VEAVE EXIST LVT OR DEMO AN SEAL CONC								
V0101B	OFFICE			3				10					9'-0"									
V0101C	OFFICE			3				10					9'-0"									
V0102	SECURITY OFFICE			3				10					9'-0"									
V0103	COORDINATOR'S OFFICE			3				10					9'-0"									
V0104	OFFICE			3				10					9'-0"									
V0105	UTILITY			3				10					8'-0"									
V0106	CAFE'	2						10					VARIABLES	3								
V0106A	FOOD PREP	2						10					8'-8"									
V0106B	CAFE' STORAGE	2						10					8'-8"									
V0107	VESTIBULE	1		5		9		14	15	17	19		9'-0"	NEW CT AT STALL FLR, WALL BETWEEN STALL/VEST								
V0108	WOMEN	1		5		9		14	15	17	19		9'-0"	NEW CT AT STALL FLR, WALL BETWEEN STALL/VEST								
V0109	VESTIBULE	1		5		9		14	15	17	19		9'-0"	NEW CT AT STALL FLR, WALL BETWEEN STALL/VEST								
V0110	MEN	1		5		9		14	15	17	19		9'-0"	NEW CT AT STALL FLR, WALL BETWEEN STALL/VEST								
V0111	FAMILY RESTROOM			5				14	15	17	19		9'-0"									
V0112	COMMUNITY SPACE	2						12	13		16		VARIABLES	3								
V0113	CNTR. STORAGE			4				10					9'-0"									
V0114	EXISTING ELECTRICAL	1						9					32	EXIST.								
V0114A	ELECTRICAL			4				11					18	8'-8"								
V0115	RECEIVING			4				11					18	VARIABLES	6							
V0117	CUSTODIAN			4				10					17	8'-8"								
V0118	STAFF BREAK ROOM	2						10					17	9'-0"								
V0119	BOOKSTORE RETAIL	2						10	12		16	17	26	29	VARIABLES	3						
V0120	BOOKSTORE	2						10	12		16	17	26	29	VARIABLES	3						
V0121	DIRECTOR'S OFFICE			3				10	12		16	17	28	29	9'-0"							
V0122	BOOKSTORE STORAGE	2						10	12		16	17	26	29	VARIABLES	6						
V0123	MECHANICAL			4				11			16	17	26		VARIABLES	6						
V0124	DATA			4				11			16	17	26		VARIABLES	6						



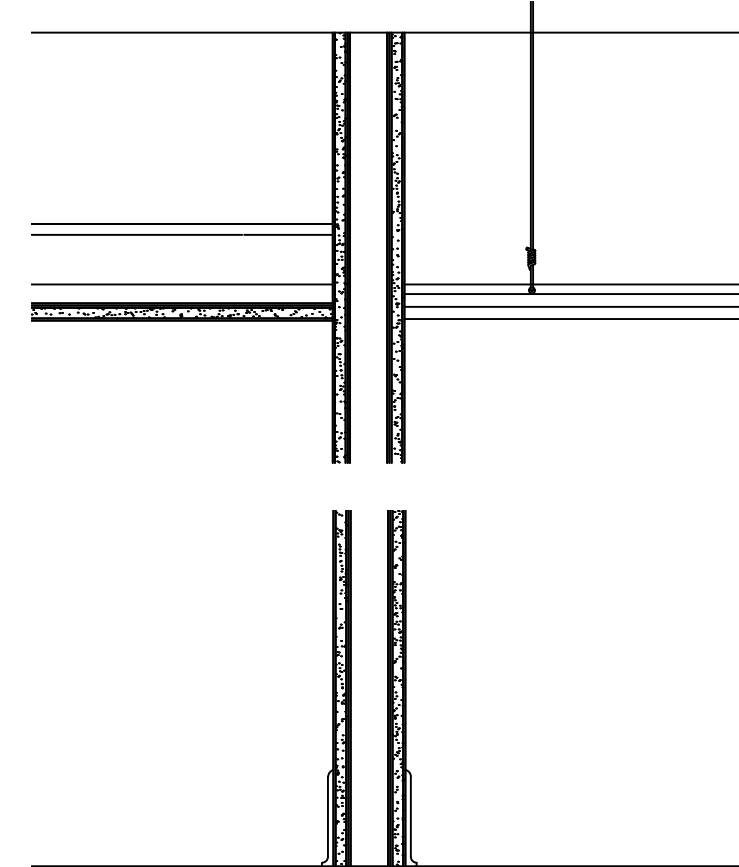
**D1 ENLARGED DETAIL**  
SCALE: 3" = 1'-0"



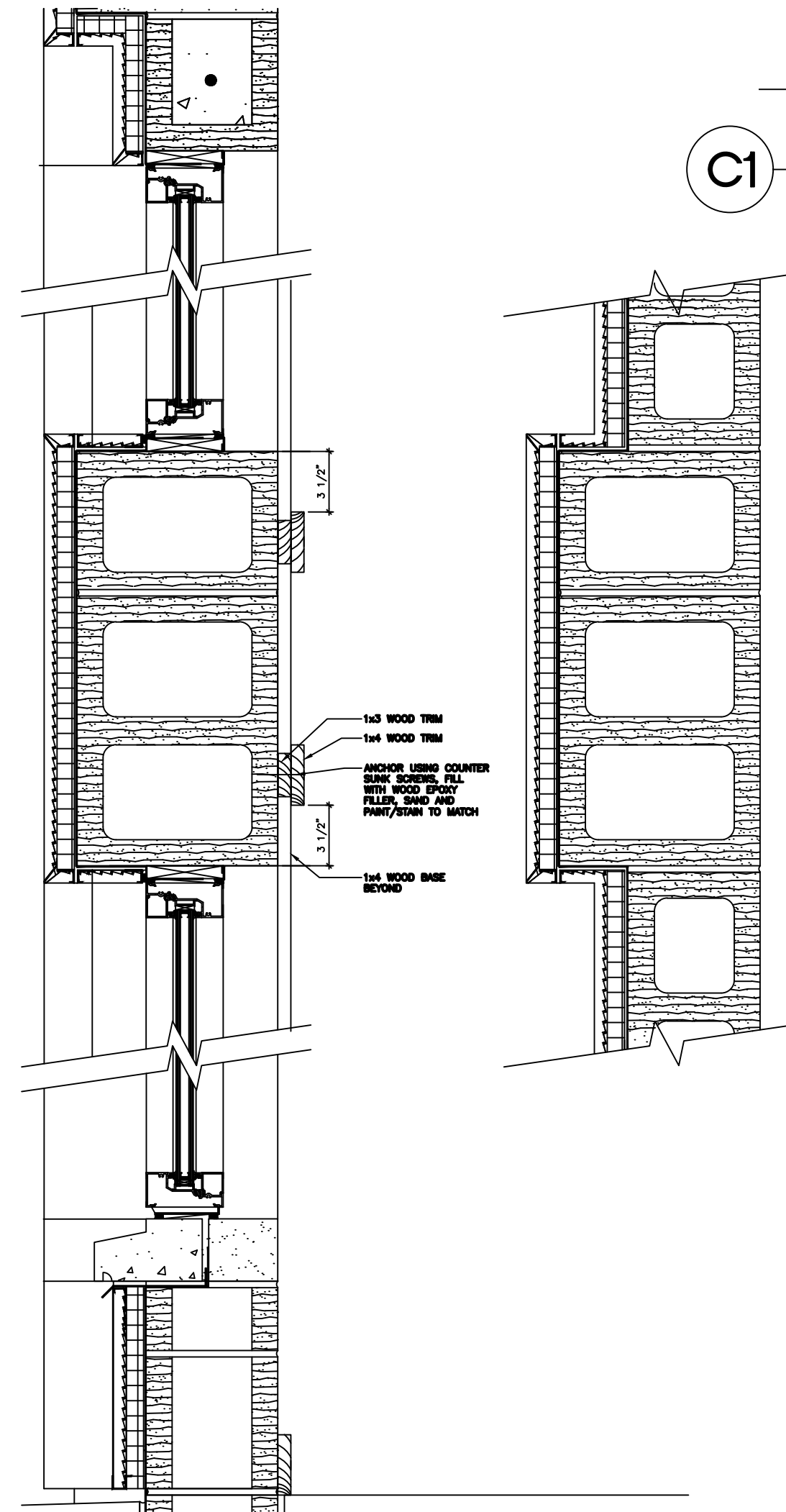
**D2 ENLARGED DETAIL**  
SCALE: 3" = 1'-0"

### GENERAL FINISH NOTES:

1. PATCH, REPAIR AND PREPARE ALL EXISTING SURFACES TO REMAIN SCHEDULED TO RECEIVE NEW PAINT.
2. REPAIR/RESTORE EXISTING FINISHES DAMAGED AND/OR REMOVED FOR NEW WORK.
3. ALL NEW GYPSUM BOARD SHALL RECEIVE PRIMER AND TWO COATS OF PAINT.



**D3 ENLARGED DETAIL**  
SCALE: 3" = 1'-0"



**A1 ENLARGED SECTION AT EXPOSED ELECT/DATA**  
SCALE: 1" = 1'-0"



AKEL LOGAN SHAFER  
ARCHITECTS AND PLANNERS

704 Rosselle Street / Jacksonville, Florida 32204  
Telephone (904) 356-2654 / Fax (904) 356-4010  
AAC002135

CONSULTANTS



License No. 4551 Corp. Auth. No. J36478  
Phone: 904-737-5700  
6510 Columbia Park Dr., Suite 104  
Jacksonville, FL 32258

PROJECT NO. 170004.00

NOTES

PROJECT

BID NUMBER: BID-SJR-06-2018

RENOVATION WITH  
ADDITION TO BUILDING V  
ST. AUGUSTINE CAMPUS

FOR



ST. JOHNS RIVER  
STATE COLLEGE  
PALATKA, FLORIDA

1	4/25/19	ADDENDUM 4
MARK	DATE	DESCRIPTION

ISSUE: PART M301 M401 M402 2019

PROJECT NO: 1809

CAD DWG FILE:

DRAWN BY: SEI

CHECKED BY: AG

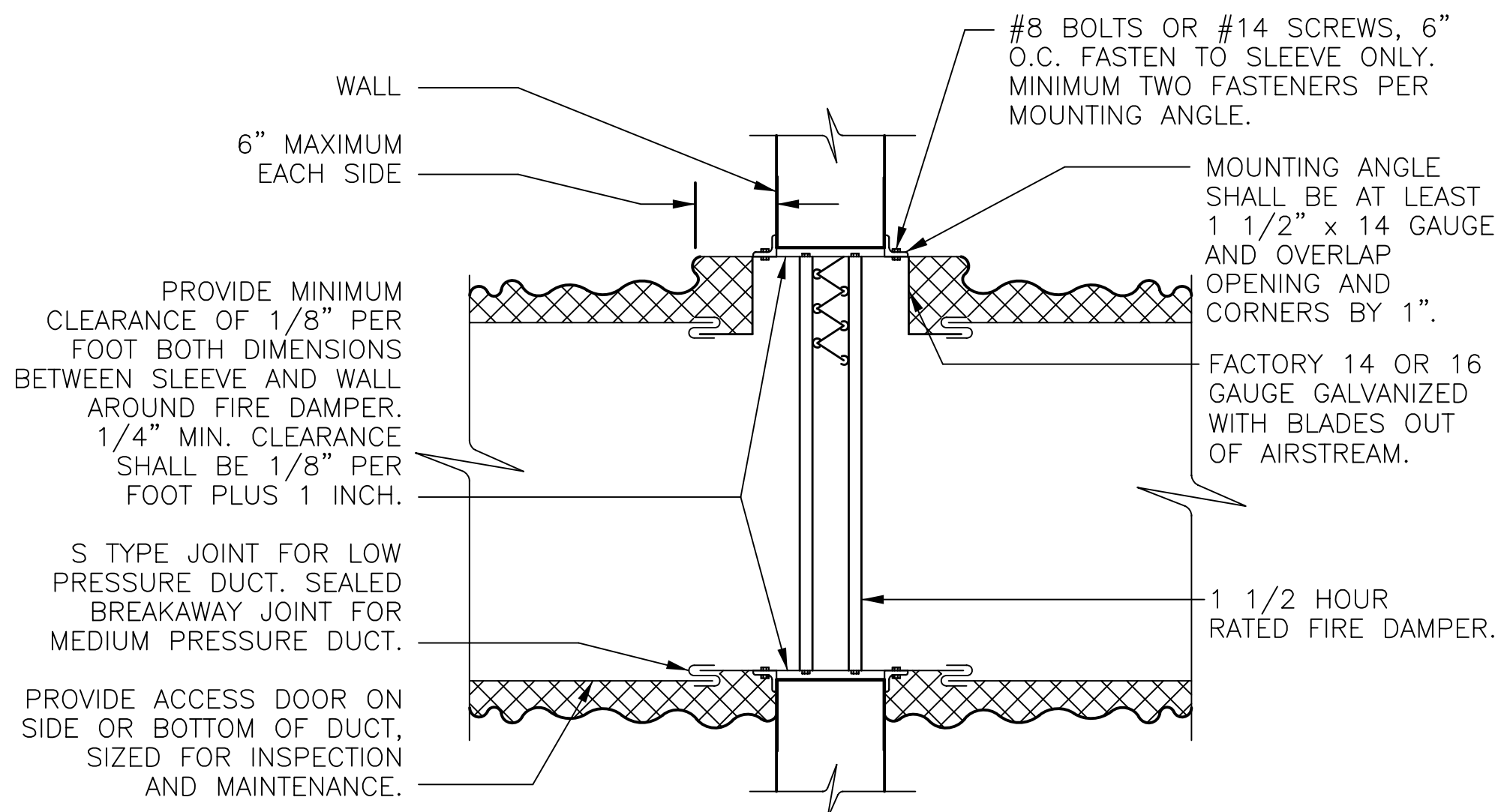
BID DOCUMENTS PHASE

SHEET TITLE

**MECHANICAL  
DETAILS**

SHEET NUMBER

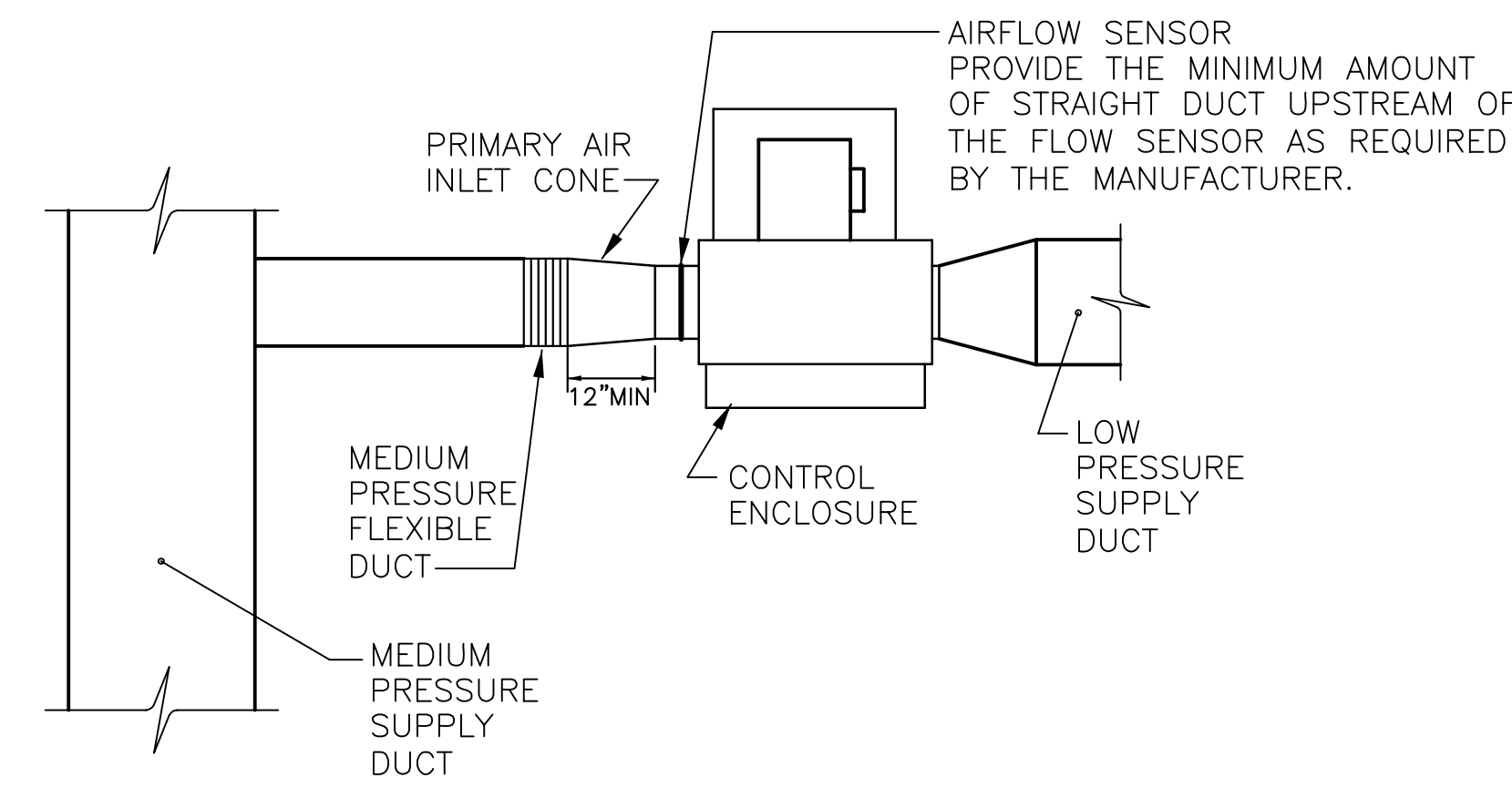
**M401**



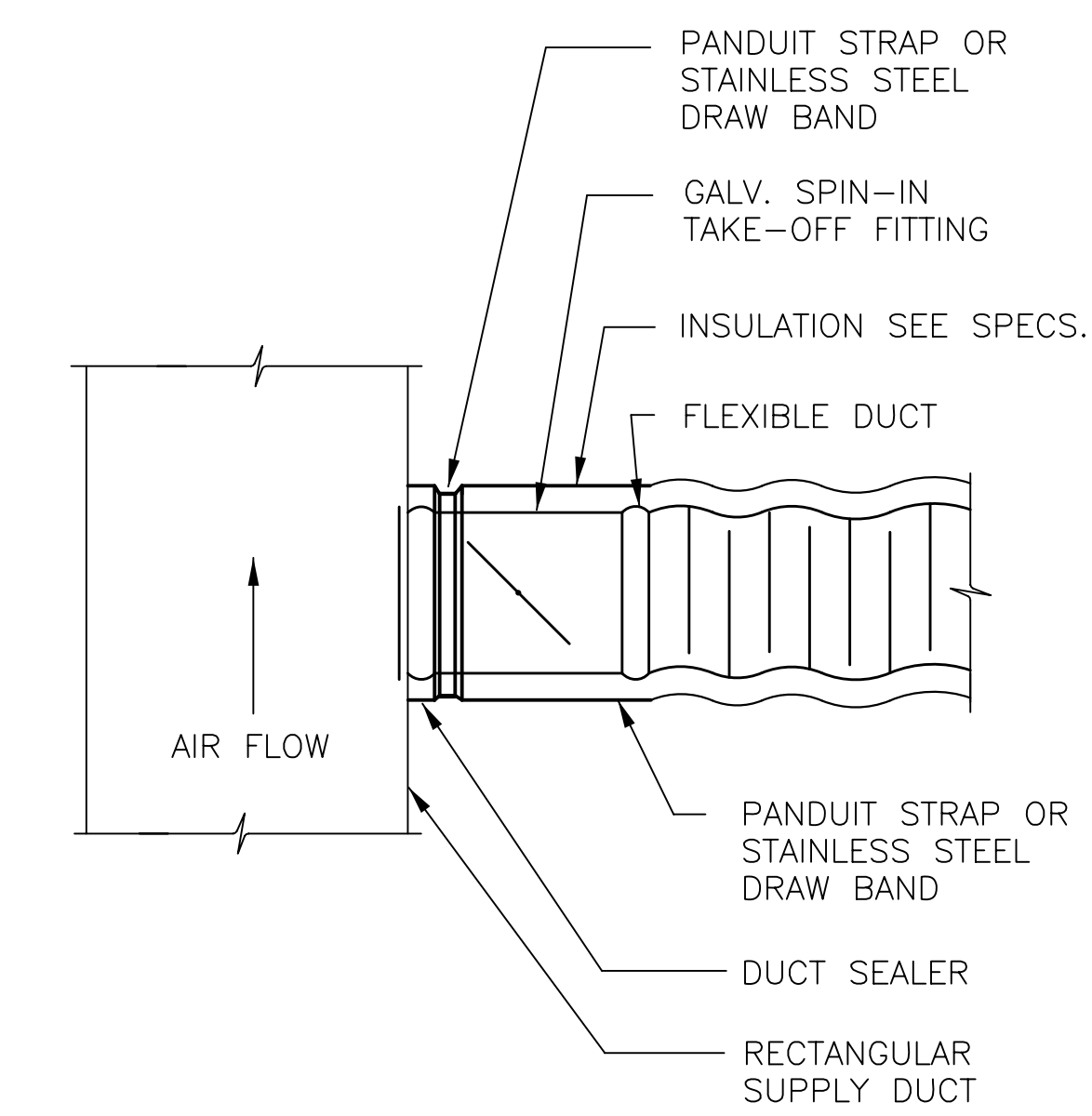
**VERTICAL TYPE "B" OR "C" FIRE DAMPER DETAIL**  
NOT TO SCALE  
M201 M401  
M202 M301

**FIRE & FIRE/SMOKE  
DAMPER ACCESS  
DOOR SCHEDULE**

DUCT SIZE	FREE OPENING SIZE
6x6	4x12
8x8	6x12
10x10	8x16
12x12	10x16
14x14	12x16
16x16	14x16
LARGER DUCT	16x16

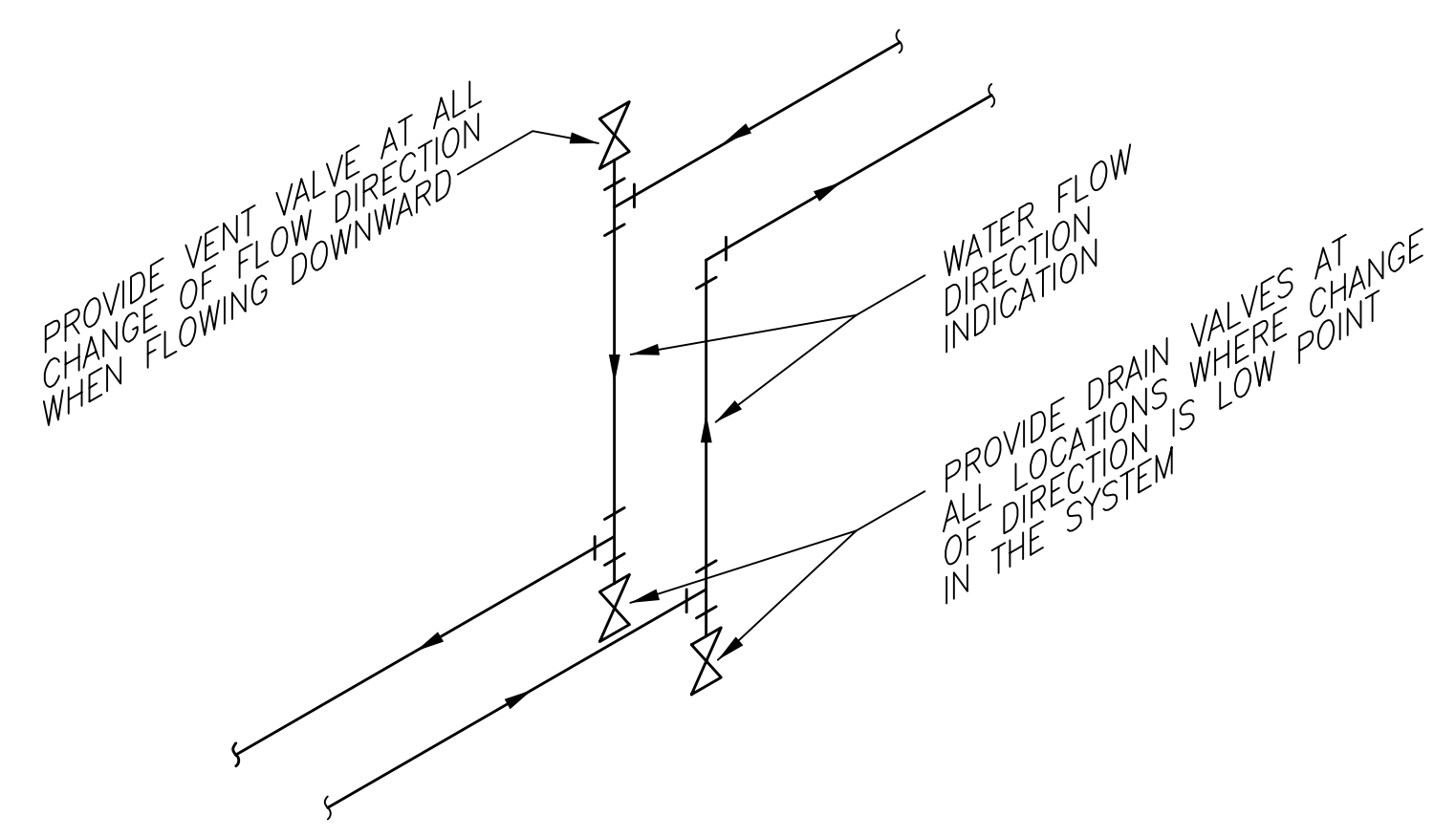


**TERMINAL UNIT DETAIL**  
NOT TO SCALE  
M201 M401  
M202 M301

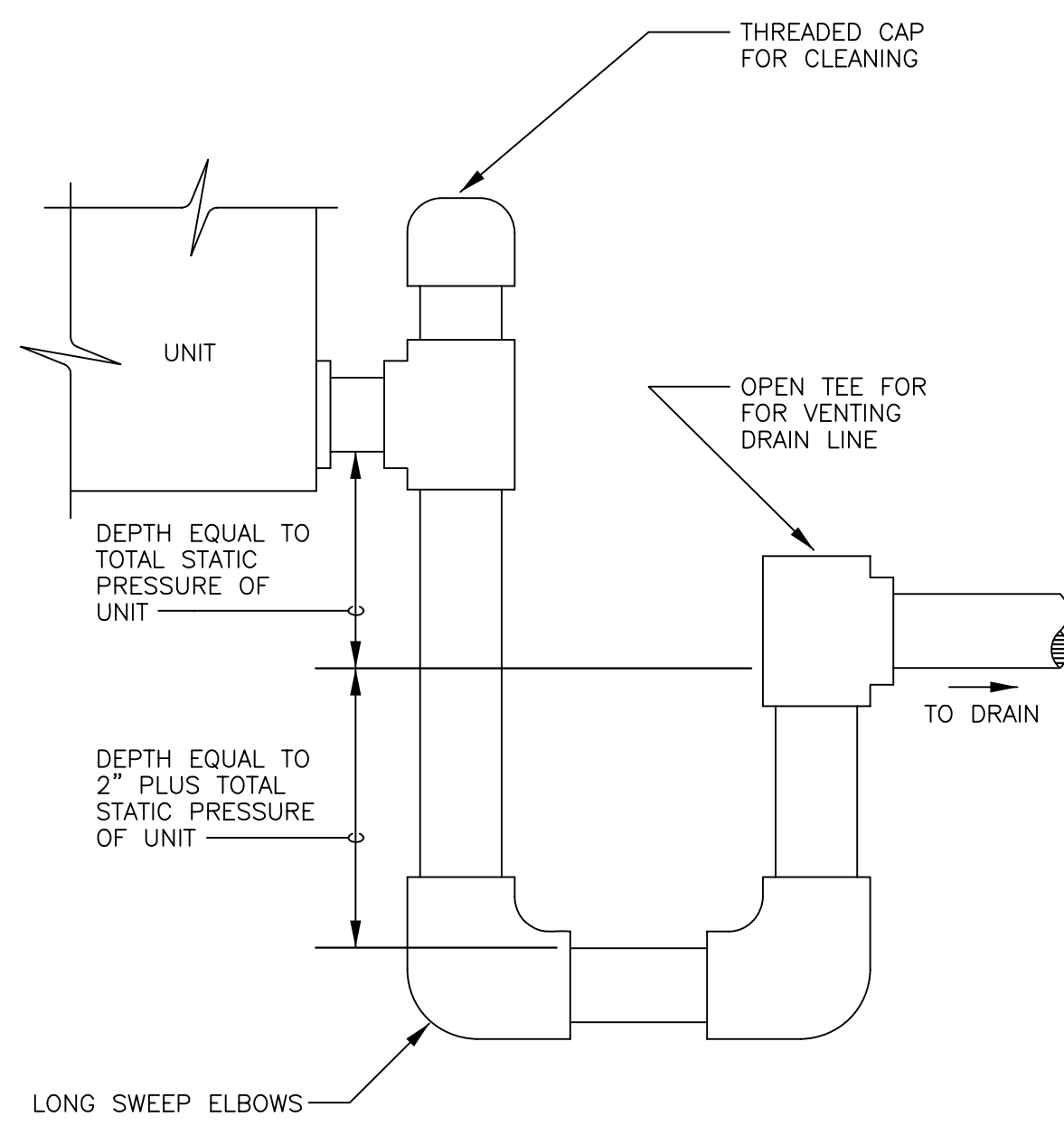


**FLEXIBLE DUCT DETAIL**  
NOT TO SCALE  
M201 M401  
M202 M301

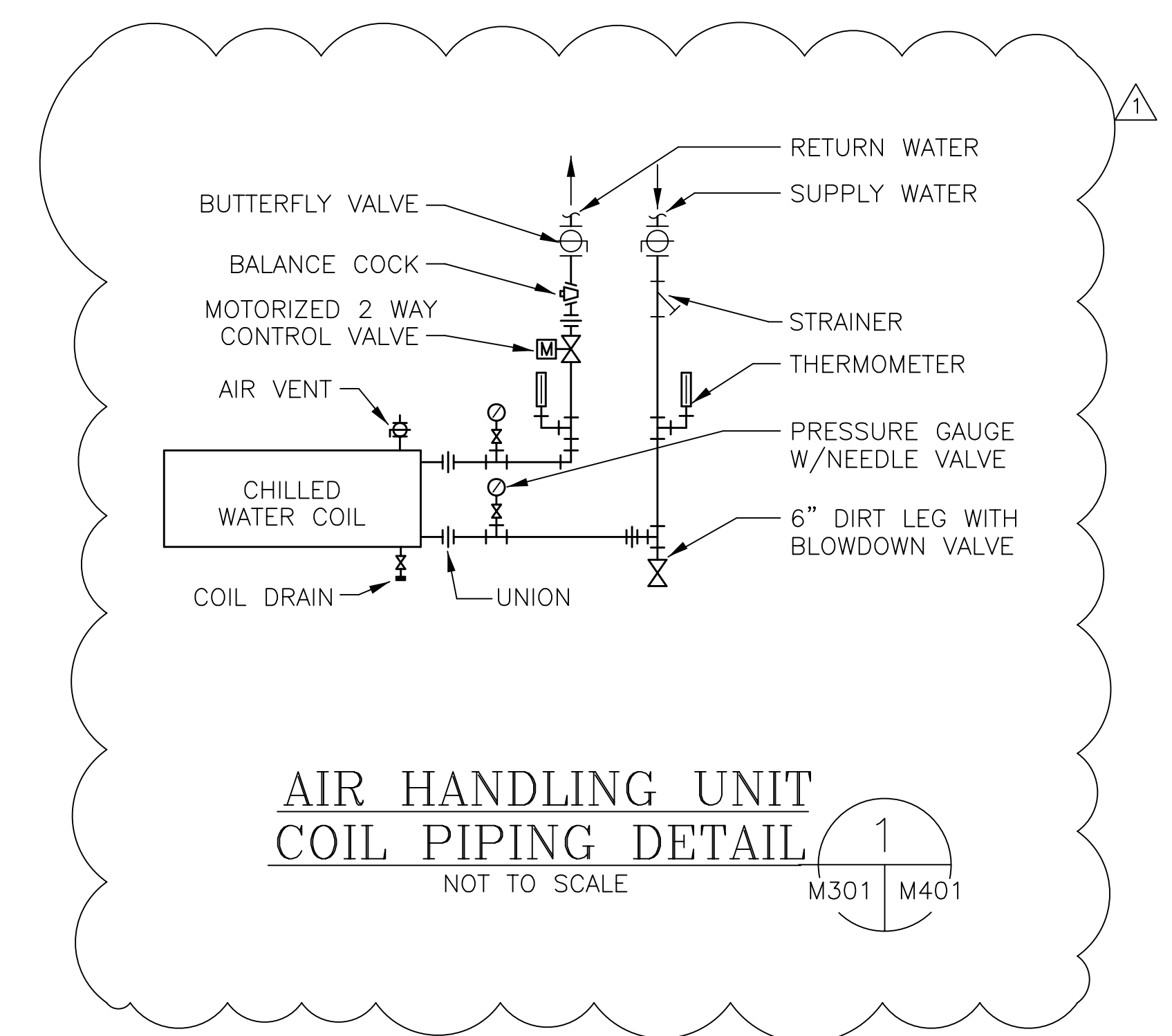
1. TYPICAL REQUIREMENTS FOR CONSTANT VOLUME FAN TERMINAL UNIT & VARIABLE VOLUME UNIT. VARIABLE VOLUME FAN TERMINAL UNIT SHOWN ABOVE.
2. MEDIUM PRESSURE FLEXIBLE & PRIMARY AIR INLET CONE SHALL BE A MINIMUM OF 2" LARGER THAN THE UNIT INLET. PROVIDE LARGER FLEXIBLE & INLET CONES AS REQUIRED BY THE MECHANICAL FLR. PLAN.



**CHILLED & HOT WATER PIPING  
VENT & DRAIN DETAIL**  
NOT TO SCALE  
M301 M401



**COIL CONDENSATE TRAP DETAIL**  
SCALE: NONE  
M301 M401



**AIR HANDLING UNIT  
COIL PIPING DETAIL**  
NOT TO SCALE  
M301 M401



AKEL LOGAN SHAFER  
ARCHITECTS AND PLANNERS

704 Rosselle Street / Jacksonville, Florida 32204  
Telephone (904) 356-2654 / Fax (904) 356-4010  
AAC002135

CONSULTANTS

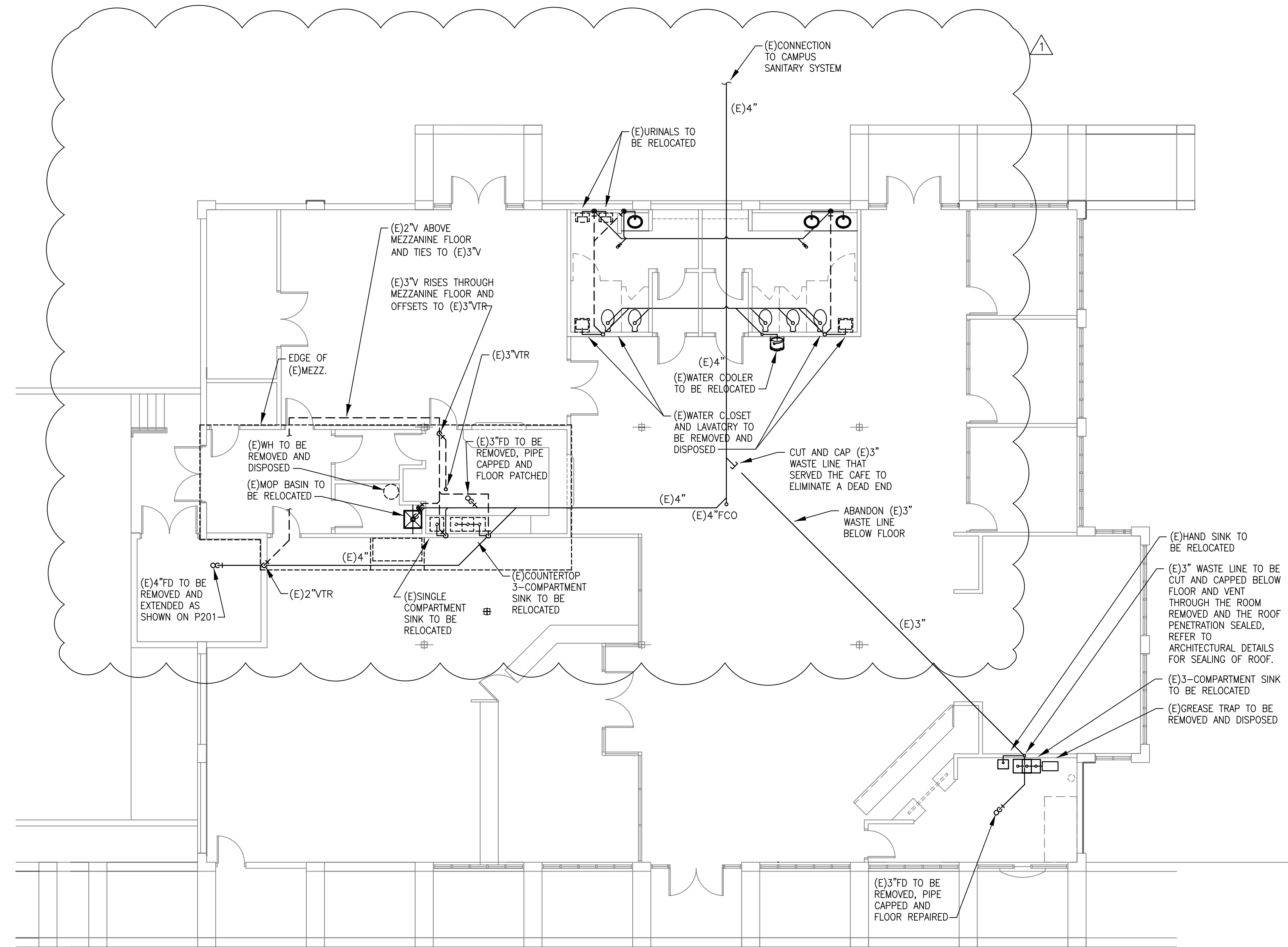


License No. 4551 Corp. Auth. No. J36478  
Phone: 904-737-5700  
6510 Columbia Park Dr., Suite 104  
Jacksonville, FL 32258

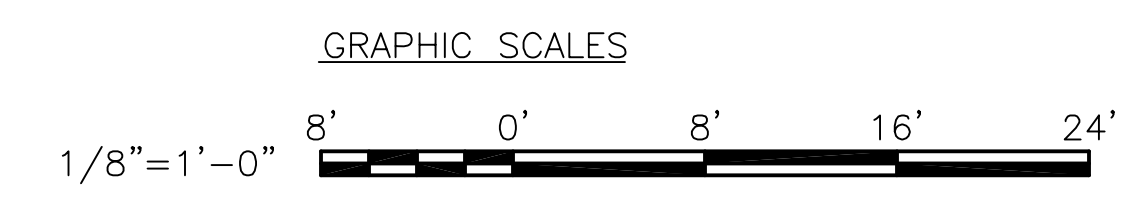
PROJECT NO. 170004.00

NOTES

- GENERAL NOTES
- REFER TO P001 FOR LEGEND AND SCHEDULES.
  - REFER TO P102 FOR DEMONESTIC WATER DEMOLITION.
  - REFER TO P201 FOR NEW SANITARY WORK.
  - REFER TO P202 FOR NEW DOMESTIC WATER WORK.
  - REFER TO P301 FOR RISER DIAGRAMS.
  - WHEN PLUMBING FIXTURES ARE REMOVED, CAP SANITARY PIPING BELOW THE FLOOR TO ALLOW A SMOOTH FLOOR FINISH WHEN COMPLETE AND CAP VENT PIPING AT THE NEAREST FITTING WHERE OTHER FIXTURES REMAIN IN SERVICE. REMOVE ANY NOT IN SERVICE VENT PIPING ASSOCIATED WITH REMOVED FIXTURES.



**P1 FLOOR PLAN - BLDG. V**  
SCALE: 1/8" = 1'-0"



PROJECT

BID NUMBER: BID-SJR-06-2018  
**RENOVATION WITH  
ADDITION TO BUILDING V  
ST. AUGUSTINE CAMPUS**

FOR



**ST. JOHNS RIVER  
STATE COLLEGE**  
PALATKA, FLORIDA


1	4/25/19	ADDENDUM 4
MARK	DATE	DESCRIPTION
ISSUE: MARCH 25, 2019		
PROJECT NO: 1809		
CAD DWG FILE:		
DRAWN BY: SEI		
CHECKED BY: AG		

BID DOCUMENTS PHASE

SHEET TITLE

**FLOOR PLAN  
SANITARY DEMO.**

SHEET NUMBER

**P101**



AKEL LOGAN SHAFER  
ARCHITECTS AND PLANNERS

704 Rosselle Street / Jacksonville, Florida 32204  
Telephone (904) 356-2654 / Fax (904) 356-4010  
AAC002135

CONSULTANTS



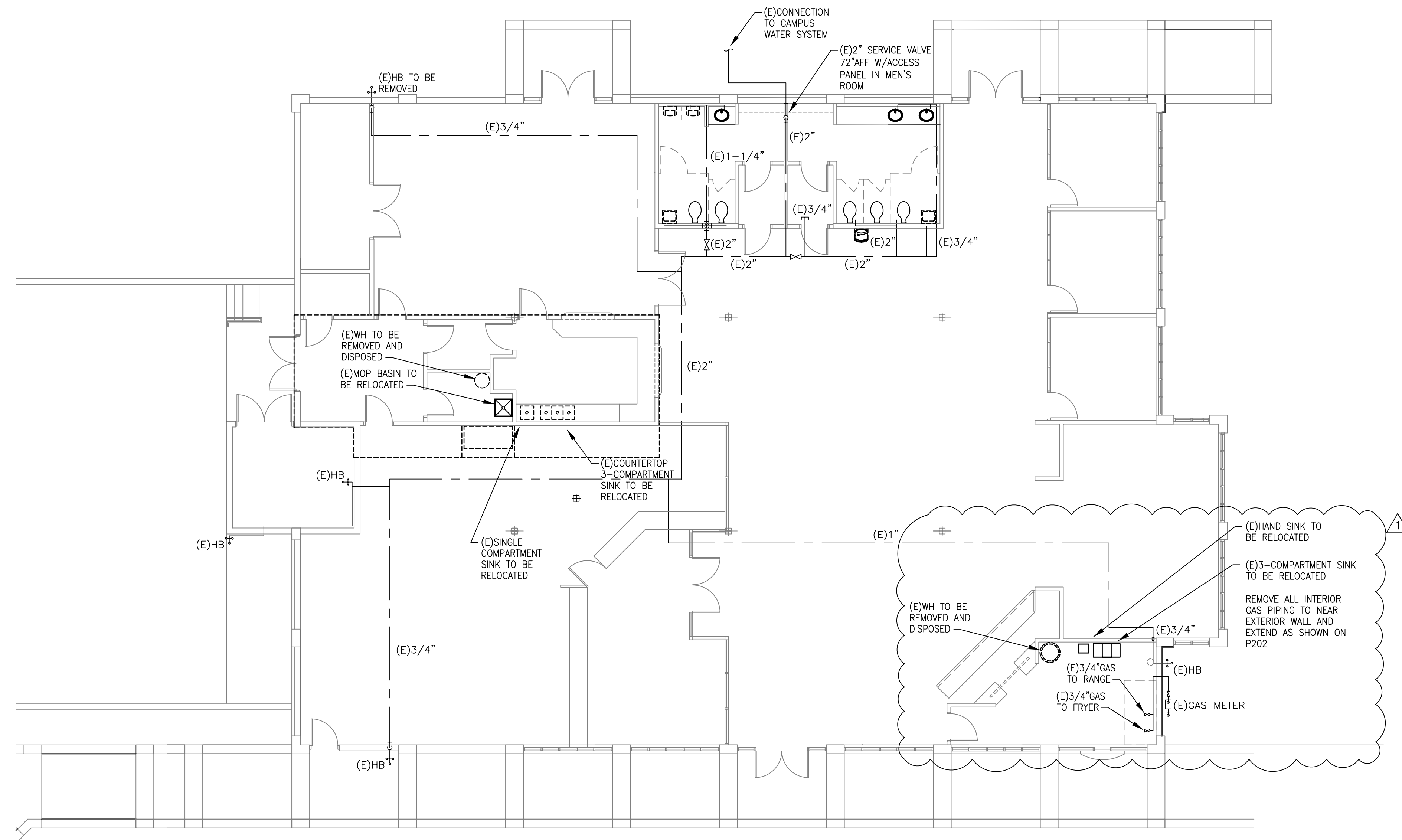
License No. 4551 Corp. Auth. No. J36478  
Phone: 904-737-5700  
6510 Columbia Park Dr., Suite 104  
Jacksonville, FL 32258

PROJECT NO. 170004.00

NOTES

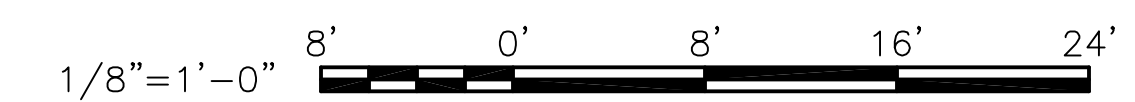
GENERAL NOTES

1. REFER TO P001 FOR LEGEND AND SCHEDULES.
2. REFER TO P101 FOR SANITARY DEMOLITION.
3. REFER TO P201 FOR NEW SANITARY WORK.
4. REFER TO P202 FOR NEW DOMESTIC WATER WORK.
5. REFER TO P301 FOR RISER DIAGRAMS.
6. ALL DOMESTIC WATER PIPING IN ACCESSIBLE LOCATIONS SHALL BE REMOVED AND REPLACED. PIPING WITHIN WALLS AND ABOVE HARD CEILINGS TO REMAIN IN SERVICE.



**P1 FLOOR PLAN - BLDG. V**  
SCALE: 1/8" = 1'-0"  
NORTH

GRAPHIC SCALES



PROJECT

BID NUMBER: BID-SJR-06-2018

**RENOVATION WITH  
ADDITION TO BUILDING V  
ST. AUGUSTINE CAMPUS**

FOR



**ST. JOHNS RIVER  
STATE COLLEGE**  
PALATKA, FLORIDA

MARK	DATE	DESCRIPTION
1	4/25/19	ADDENDUM 4

ISSUE: MARCH 25, 2019

PROJECT NO: 1809

CAD DWG FILE:

DRAWN BY: SEI

CHECKED BY: AG

BID DOCUMENTS PHASE

SHEET TITLE

**FLOOR PLAN  
DOM. WATER DEMO.**

SHEET NUMBER

**P102**





AKEL LOGAN SHAFER ARCHITECTS AND PLANNERS

704 Rosselle Street / Jacksonville, Florida 32204  
Telephone (904) 356-2654 / Fax (904) 356-4010  
AAC002135

CONSULTANTS

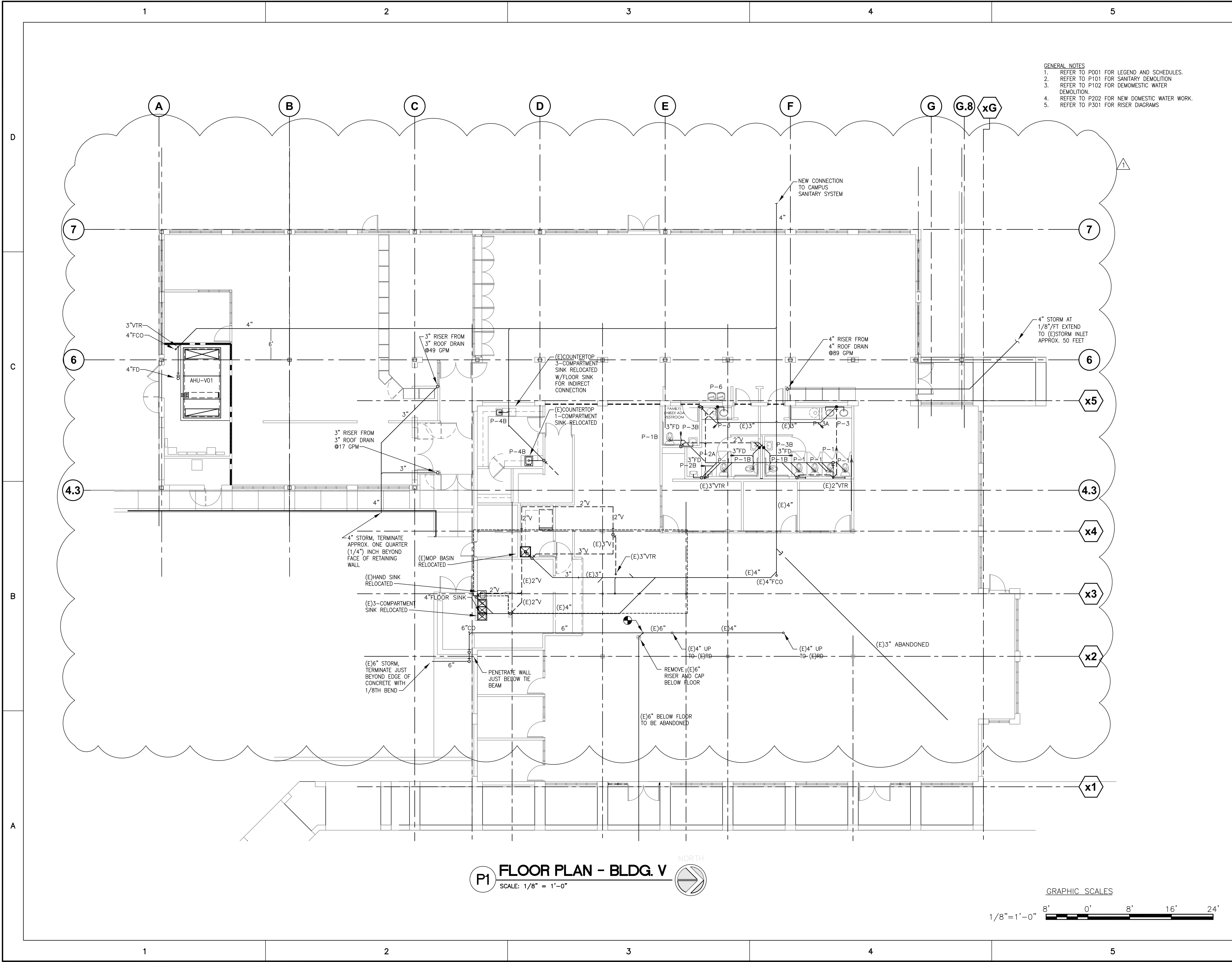


License No. 4551 Corp. Auth. No. J36478  
Phone: 904-737-5700  
6510 Columbia Park Dr., Suite 104  
Jacksonville, FL 32258

PROJECT NO. 170004.00

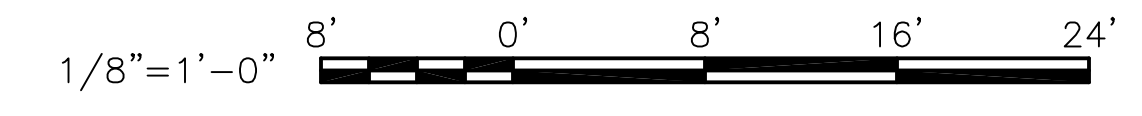
NOTES

- GENERAL NOTES
- REFER TO P001 FOR LEGEND AND SCHEDULES.
  - REFER TO P101 FOR SANITARY DEMOLITION
  - REFER TO P102 FOR DOMESTIC WATER DEMOLITION.
  - REFER TO P202 FOR NEW DOMESTIC WATER WORK.
  - REFER TO P301 FOR RISER DIAGRAMS



P1 FLOOR PLAN - BLDG. V  
SCALE: 1/8" = 1'-0"

GRAPHIC SCALES



PROJECT

BID NUMBER: BID-SJR-06-2018  
RENOVATION WITH  
ADDITION TO BUILDING V  
ST. AUGUSTINE CAMPUS

FOR



ST. JOHNS RIVER  
STATE COLLEGE  
PALATKA, FLORIDA

MARK	DATE	DESCRIPTION
1	4/25/19	ADDENDUM 4

ISSUE: MARCH 25, 2019  
 PROJECT NO: 1809  
 CAD DWG FILE:  
 DRAWN BY: SEI  
 CHECKED BY: AG

BID DOCUMENTS PHASE

SHEET TITLE

FLOOR PLAN  
SANITARY

SHEET NUMBER

P201



AKEL LOGAN SHAFER  
ARCHITECTS AND PLANNERS

704 Rosselle Street / Jacksonville, Florida 32204  
Telephone (904) 356-2654 / Fax (904) 356-4010  
AAC002135

CONSULTANTS

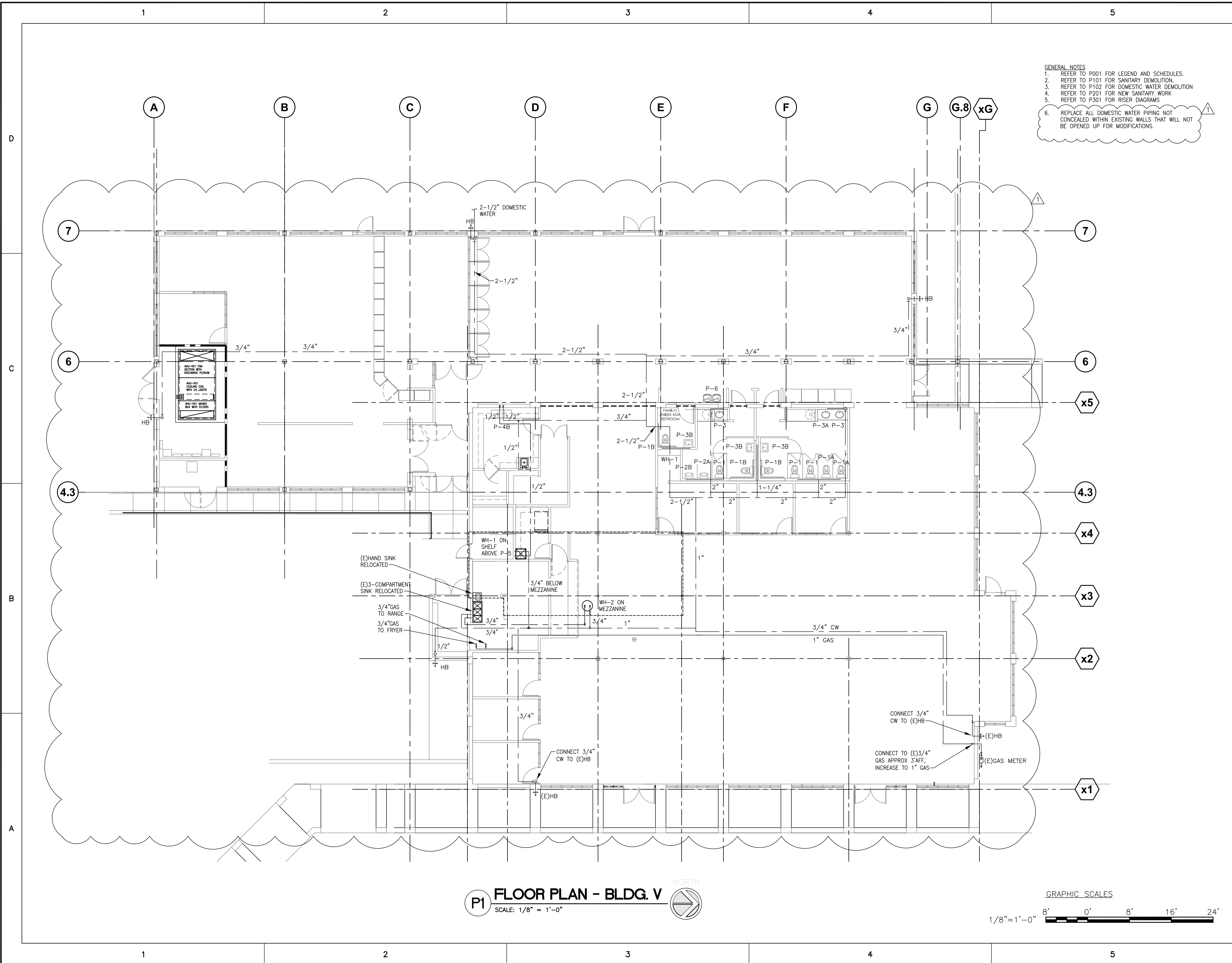


License No. 4551 Corp. Auth. No. J36478  
Phone: 904-737-5700  
6510 Columbia Park Dr., Suite 104  
Jacksonville, FL 32258

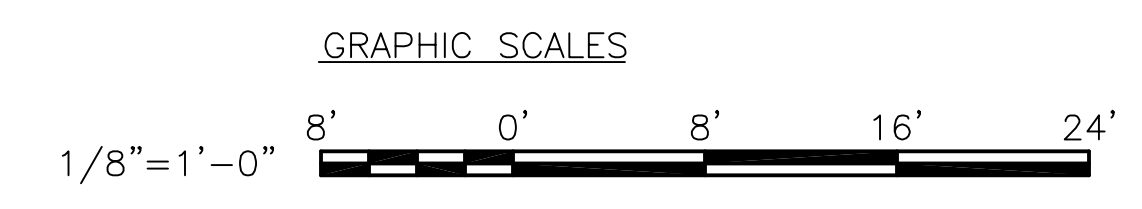
PROJECT NO. 170004.00

NOTES

- GENERAL NOTES
- REFER TO P001 FOR LEGEND AND SCHEDULES.
  - REFER TO P101 FOR SANITARY DEMOLITION.
  - REFER TO P102 FOR DOMESTIC WATER DEMOLITION
  - REFER TO P201 FOR NEW SANITARY WORK
  - REFER TO P301 FOR RISER DIAGRAMS
  - REPLACE ALL DOMESTIC WATER PIPING NOT CONCEALED WITHIN EXISTING WALLS THAT WILL NOT BE OPENED UP FOR MODIFICATIONS.



**P1 FLOOR PLAN - BLDG. V**  
SCALE: 1/8" = 1'-0"  
NORTH



PROJECT

BID NUMBER: BID-SJR-06-2018  
**RENOVATION WITH  
ADDITION TO BUILDING V  
ST. AUGUSTINE CAMPUS**

FOR  
  
**ST. JOHNS RIVER  
STATE COLLEGE**  
PALATKA, FLORIDA


MARK	DATE	DESCRIPTION
1	4/25/19	ADDENDUM 4

ISSUE: MARCH 25, 2019  
PROJECT NO: 1809  
CAD DWG FILE:  
DRAWN BY: SEI  
CHECKED BY: AG

BID DOCUMENTS PHASE

SHEET TITLE  
**PLUMBING PLAN  
DOMESTIC WATER**

SHEET NUMBER  
**P202**