



75 York Street  
Portland, Maine 04101  
phone 207 772 4656  
fax 207 828 4656  
www.simonsarchitects.com

## **INLAND FISHERIES AND WILDLIFE NATURE PARK - ADDENDUM #2**

**date:** May 24, 2024  
**project:** Inland Fisheries and Wildlife Store and Admin Office Project # 3096  
**prepared by:** Ryan Kanteres Simons Architects  
Adam Wiles-Rosell Simons Architects  
Mikayla Molta Simons Architects

**to:** Plan holders  
Richard Parker Inland Fisheries + Wildlife  
Emily Maccabe Inland Fisheries + Wildlife

**cc:** Adam Wiles-Rosell Simons Architects  
Mikayla Molta Simons Architects  
Annavitte Rand Thornton Tomasetti  
Chris Williams Thornton Tomasetti  
Will Bennett Bennett Engineering  
Manoli Gammaitoni Bennett Engineering

**Subject:**  
**Addendum #2** to Bid Documents of April 23, 2024

### **ADDENDUM #2**

This addendum revises the Drawings and/or Specifications as described below and becomes a part of the Contract Documents. The contractor will be held to do all work required for the full completion of the work described, including all work incidental thereto or necessary to complete the work properly, even though not specifically mentioned. The original General Conditions shall govern all work unless specifically exempted or modified herein.

**project:** Maine IF+W Nature Store & Admin Office  
**file:** 2023-0190 Addendum #2 .docx

**date:** 05.24.24  
Page 1 of 5

This Addendum consists of the following:

**Addendum #2**  
**Specification Revisions**  
**Drawings Revisions**

**5 page**  
**19 pages**  
**10 pages**  
**34 total pages**

## QUESTIONS

- 1-Q1 Question 1
- Q: Please clarify who is providing the ERVs. The Specifications reference provided by owner.
- A: GC & their subcontractors are required to provide ERVs. Please refer to specification section 230000 provided in Addendum #1 for this clarification
- 1-Q2 Question 2
- Q: 101B door opening size. Schedule shows 5'-8" x 6'-11" while frame type E02 shows 5'-8" x 8'-0".
- A: Door to be 6'x8'. See revised schedule and alum. frame elevation.
- 1-Q3 Question 3
- Q: 106B door & frame material. Schedule shows wood for both but it is also shown as type E15 aluminum door & frame.
- A: Door and frame both are aluminum. See revised schedule.
- 1-Q4 Question 4
- Q: 113B door & frame material. Schedule shows aluminum frame with wood door but it is also shown as type E15 aluminum door & frame.
- A: Door and frame both are aluminum. See revised schedule.
- 1-Q5 Question 5
- Q: Is the contractor responsible for Fire alarm? There is no spec on this.
- A: Yes, please refer to the provided specification section here within.
- 1-Q6 Question 6
- Q: Is the contractor responsible for tele/data? There is no spec on this.
- A: Refer to Addendum #1 sheet E301 - Contractor shall provide device boxes and empty conduit with pull strings only stubbed up above ceiling for installer's use
- 1-Q7 Question 7
- Q: I'm told that pine wood is not available in the grade STK, as specified for the pine v match soffit. Pine should instead be selected from 1-4 or Select, Finish, Premium, or Standard. Please clarify what grade pine is desired.
- A: On drawing sheet A201 strike "STK" from the annotation(s). Refer to 1-S3 below.
- 1-Q8 Question 8
- Q: I'm looking for some clarification on the bird safety film – manufacturer, model #, etc. My supplier tells me that there is a wide range of products available. Let me know if you have any questions. Thank you!
- A: GC to provide selection samples from the full range of in stock patterns from specified *Feather Friendly* manufacturer.

- 1-Q9 Question 9  
Q: What is the anticipated project schedule? When is the anticipated start day?  
A: Per Specification section 00 11 13 Notice to Contractors, the anticipated substantial completion date is on or before May 15, 2025 and the Contract Final Completion Date is on or before June 15, 2025
- 1-Q10 Question 10  
Q: When is the anticipated award date for this project?  
A: Bid opening will be as noted in specification section 00 11 13. Official notification will be verified shortly thereafter.
- 1-Q11 Question 11  
Q: What is the RFI deadline?  
A: May 23rd, 2024
- 1-Q12 Question 12  
Q: What is the date of the last Addendum that will be issued?  
A: May 24th, 2024
- 1-Q13 Question 13  
Q: What testing does the contractor own?  
A: The owner shall contract a 3rd party testing agency. Please refer to relevant specification sections in division 1., 014000, 014500, ...
- 1-Q14 Question 14  
Q: Is builders risk required?  
A: Yes, builders risk insurance is required. Please refer to specification section 00 72 13.
- 1-Q15 Question 15  
Q: Will a perimeter fence be required?  
A: No, the owner has installed this.
- 1-Q16 Question 16  
Q: C-101 says approximate location of curb stop for new water service. Is this already brought in from route 26?  
A: Water service has been brought into the building by the owner
- 1-Q17 Question 17  
Q: Who is providing F1 Fans found in the RCP? Please provide a type and brand please.  
A: See specification section provided below. Big Ass Fan I6 72” cut sheet provided as basis of design.
- 1-Q18 Question 18  
Q: Lighting schedule states ground mounted lighting but no plan shows that that I can find. where those go or a count.  
A: Refer to A131 for X2 fixture location
- 1-Q19 Question 19  
Q: Please confirm the flooring for room Print 110 is carpet.  
A: Print room 110 flooring is LVT See revised A121
- 1-Q20 Question 20  
Q: Is there a septic plan that can be made available?  
A: A septic plan is not available at this time. This work will be performed by the owner and coordinated with the GC

- 1-Q21 Question 21 Q: Door 102B says type F4 door. Please provide details for this door.  
A: Door 102B does not exist and has been removed from the schedule
- 1-Q22 Question 22 Q: Can you please provide a specification for window 06 in the window schedule.  
A: Refer to specification section 08 41 13

**SPECIFICATIONS:**

- 1-S1 Section 08 52 00 Wood Windows  
2.3,A.4; Strike: Architect Series Reserve and replace with Lifestyle Series
- 1-S2 Section 06 20 23 Interior Finish Carpentry  
2.3, A.1; Strike: select or No. 1 and replace with Premium
- 1-S3 Section 23 34 00 HVAC Fans  
Add new spec section and adjust table of contents
- 1-S4 Section 28 31 11 Digital Addressable Fire Alarm System  
Add new spec section and adjust table of contents

**DRAWINGS:**

- 1-D1 Sheet G001 Drawing list revised to articulate amended drawings here in.
- 1-D2 Sheet A121 Clarified flooring material in the print room.
- 1-D3 Sheet A201 Strike “STK” from the annotation(s). Refer to 1-S3 above.
- 1-D4 Sheet A313 Wall Section updated to align with structural framing and post locations.
- 1-D5 Sheet A401 Plan details 3, 4, and 5 updated to align with structural framing and post locations.
- 1-D6 Sheet A600 Schedule has been updated in response to RFI questions 2, 3, 4, and 21.  
Detail 2 has been updated to align with structural framing and post locations.
- 1-D7 Sheet A602 Elevations have been updated in response to RFI questions 2, 3, and 4.  
Elevations have been updated for further coordination.



Maine IF+W Nature Store & Admin Office - ADDENDUM #2 (05.24.2024)

1-D8 Sheet A603 Detail 5 has been updated to align with structural framing and post locations.

1-D9 Sheet S201 Section 4 and 5 updated.

1-D10 Sheet S202 Section 2 header detail updated

End of Addendum #1

## SECTION 23 34 00 HVAC Fans

### PART 1 GENERAL

#### 1.1 SUMMARY

- A. Section Includes
  - 1. The ceiling-mounted circulation fan is the model scheduled with the capacities indicated. The fan shall be furnished with a remote control and SenseME™ Technology (Basis or Design)
- B. Summary of Work
  - 1. Installation of the fan, wireless network, miscellaneous or structural metal work (if required), field electrical wiring, cable, conduit, fuses, and disconnect switches, other than those addressed in the installation scope of work, shall be provided by others. Installation services are available through Big Ass Fans. Consult the appropriate installation scope of work for information on the available installation options, overview of customer and installer responsibilities, and details on installation site requirements.

#### 1.2 RELATED SECTIONS

- A. 21 00 00 Fire Suppression
- B. 23 00 00 Heating, Ventilating, and Air Conditioning (HVAC)
- C. 26 00 00 Electrical

#### 1.3 REFERENCES

- A. Canadian Standards Association (CSA)
- B. International Organization for Standardization (ISO)
- C. National Electrical Code (NEC)
- D. National Fire Protection Association (NFPA)
- E. Underwriters Laboratory (UL)
- F. European Community (CE)
- G. UK Conformity Assessed (UKCA)
- H. Nationally Recognized Testing Laboratory (NRTL)

#### 1.4 SUBMITTALS

- A. Shop Drawings: Drawings detailing product dimensions, weight, and attachment methods
- B. Product Data: Specification sheets on the ceiling-mounted fan, specifying electrical and installation requirements, features and benefits, and controller information
- C. Installation Guide: The manufacturer shall furnish a copy of all installation, operation, and maintenance instructions for the fan. All data is subject to change without notice.
- D. Schedule

#### 1.5 QUALITY ASSURANCE

- A. Certifications
  - 1. Safety
    - a. The fan assembly, as a system, shall be Nationally Recognized Testing Laboratory (NRTL)-certified and built pursuant to the guidelines set forth by UL standard 507 and CSA standards 22.2 No. 60335-1 and 22.2 No. 113.
    - b. The fan assembly, as a system, shall be CE- and UKCA-compliant.
    - c. The fan motor shall be NRTL-certified and built pursuant to the following standards.
      - a. Canada
        - a) CSA C22.2 No. 100. Standard for Safety for Motors and Generators.
        - b) CSA C22.2 No. 77. Standard for Safety for Motors with Inherent Overheating Protection.
      - b. United States
        - a) UL 1004-1. Standard for Safety for Rotating Electrical Machines - Part 1 General Requirements.
        - b) UL 1004-3. Standard for Safety for Thermally Protected Motors.
        - c) UL 1004-7. Standard for Safety for Electronically Protected Motors.

2. Sustainability Certification
  - a. ENERGY STAR® certification – ENERGY STAR Most Efficient 2021
- B. Manufacturer Qualifications
  1. The fan and any accessories shall be supplied by a Manufacturer with s a minimum of twenty (10) years of product experience.
  2. ISO 9001-compliant

### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver product in original, undamaged packaging with identification labels intact. The fan shall be new, free from defects, and factory tested.
- B. The fan and its components must be stored in a safe, dry location until installation.

### 1.7 WARRANTY

- A. The manufacturer shall replace any products or components defective in material or workmanship, free of charge to the customer (including transportation charges within the USA, FOB Lexington, KY), pursuant to the complete terms and conditions of the Big Ass Fans Warranty in accordance to the following schedule:

<b>Product</b>	<b>Period of Coverage</b>
Indoor Fans	5 years
Damp-Rated Fans	3 years

†Labor to repair the defect will be provided free of charge at the Big Ass Fans service center for defects arising during the Warranty Period.  
††See the complete warranty for more details.

## PART 2 PRODUCT

### 2.1 MANUFACTURER (Basis of Design)

- A. Delta T LLC, dba Big Ass Fans, PO Box 11307, Lexington, Kentucky 40575.  
Phone (877) 244-3267. Fax (859) 233-0139. Website: www.bigassfans.com

### 2.2 BIG ASS FANS i6 (Basis of Design)

- A. Complete Unit
  1. Regulatory Requirements: The fan assembly, as a system, shall be NRTL-certified and built pursuant to relevant safety standards as described above.
  2. Sustainability Characteristics: The fan shall possess the ENERGY STAR® Most Efficient 2021 designation.
  3. Quality: The fan shall display good workmanship in all aspects of its construction. Field balancing of the airfoils shall not be necessary.
  4. Colors: Airfoil colors may be selected by the architect or owner as described in 2.2.C, “Airfoils.”
  5. Optional Accessories
    - a. An LED light may be selected at the time of order.
    - b. A 0–10 V module may be selected at the time of order. The module shall enable the fan to be integrated with a home or building automation system or a third-party 0–10 V dimmer using an industry-standard protocol.
    - c. A Bluetooth® wall control may be selected at the time of order.
- B. Mounting System
  1. Direct Mount
    - a. The direct mount shall be suitable for flat ceilings as low as 8 ft (2.4 m) tall.
    - b. The fan shall be equipped with a mounting plate, safety clips, wiring cover, and motor unit.
    - c. The fan shall be available with a diameter of 60” (1.5 m).
  2. Universal Mount
    - a. The universal mount shall be suitable for flat or sloped ceilings with heights ranging from 9–18 ft (2.7–5.5 m).
    - b. The fan shall be equipped with a mounting bracket, wiring cover and trim, downrod assembly, motor cover, and motor unit.

- c. The fan shall be available with a diameter of 60" (1.5 m), 72" (1.8 m), 84" (2.1 m), or 96" (2.4 m).
  - d. The fan shall include one (1) downrod. The length of the downrod may be selected at the time of order.
    - a. Six-inch (178-mm), 12-inch (508-mm), 24-inch (813-mm), 36-inch (914-mm), 48-inch (1219-mm), and 60-inch (1524-mm) downrods shall be available for 60-inch (1.5-m) and 72-inch (1.8-m) fans.
    - b. Twelve-inch (508-mm), 24-inch (813-mm), 36-inch (914-mm), 48-inch (1219-mm), and 60-inch (1524-mm) downrods shall be available for 84-inch (2.1-m) and 96-inch (2.4-m) fans.
- C. Airfoils
1. The fan shall be equipped with six airfoils spanning a total diameter of 60" (1.5 m), 72" (1.8 m), 84" (2.1 m), or 96" (2.4 m), as specified by the architect or owner.
  2. Airfoils shall be made of aircraft-grade aluminum.
    - a. Airfoils shall be available in Black, White, Silver, Oil-Rubbed Bronze, or Driftwood.
    - b. Airfoils shall be suitable for indoor and covered outdoor spaces.
- D. Motor
1. The fan shall have an electronically commutated motor (ECM) rated for 100–277 VAC, single phase.
  2. The motor shall draw 41.6–73.3 watts depending on the speed at which the fan is operated and if a light is installed.
  3. The fan shall be designed for continuous operation in ambient temperatures of 32–104°F (0–40°C) and a humidity range of 20–90% (non-condensing).
  4. The fan's motor unit and motor unit trim shall be available in a Black, White, Silver, or Oil-Rubbed Bronze finish, as specified by the architect or owner.
- E. Safety Cable
1. The fan shall be equipped with a safety cable that provides an additional means of securing the fan assembly to the building structure. The safety cable shall be 2.4 mm in diameter and fabricated of aircraft stainless steel.
  2. Field construction of safety cables is not permitted.
- F. SenseME™ Technology (Basis of Design)
1. The fan shall be equipped with SenseME Technology for smart automation and shall be able to wirelessly connect to local Ethernet networks or host a network. The fan's Wi-Fi capability shall permit over-the-air firmware updates.
  2. SenseME Technology control features shall be managed by users via the Big Ass Fans mobile app. The Big Ass Fans mobile app shall be supported by Android™ and iOS® mobile devices.
  3. Big Ass Fans Mobile App Control Modes
    - a. Auto Mode
      - a. Motion Sensor. The fan and light automatically turn on and off depending on whether motion is detected in the room.
      - b. Temperature and Humidity Sensor. The sensor located in the Bluetooth® remote control monitors room temperature and humidity in order to automatically adjust the fan speed to achieve the user's ideal thermal comfort level.
      - c. Learning. The fan automatically learns the user's ideal temperature based on observing their manual adjustments to fan speed.
    - b. Scheduling. Sets precise schedules for fan and light control modes.
    - c. Whoosh® Mode. Silently varies fan speed to mimic cooling natural breezes.
    - d. Sleep Mode. Responds to changing conditions to provide customized comfort all night long.
    - e. Rooms. Enables users to group multiple fans in the same space for synchronized operation. Users shall be able to use the Big Ass Fans mobile app to automate fan and light functions or adjust settings manually.
    - f. Manual Speed Control. Speed settings range from 0 (Off) to 7 (High).
    - g. Manual Light Control. The optional LED light has adjustable brightness and On and Off settings, as well as the ability to be controlled by the motion sensor and scheduling features. For fans with an LED light, see 2.2.I, "LED Light."
    - h. Amazon Alexa Integration. Enables the use of Amazon Alexa to control the fan and light.
    - i. Google Assistant Integration. Enables the use of Google Assistant to control the fan and light.

4. Big Ass Fans Account. Allows for integrated controls between fans and smart thermostats located on the same Wi-Fi network.
- G. Display and Sound
  1. Changes to fan settings shall be confirmed with auditory feedback (a beep) and/or visual indication.
- H. Remote Control
  1. The fan shall be equipped with a compact Bluetooth remote control that allows intuitive operation of the fan speed and light brightness in the following modes:
    - a. Fan speeds 0 (Off) through 7 (High)
    - b. Auto Mode
    - c. Light brightness 0-100%
  2. The remote shall be 1.5" wide x 5.7" tall x 0.8" thick (39 mm wide x 146 mm tall x 20 mm thick) and shall operate on a CR 2450 3 V lithium battery (included).
- I. LED Light (Optional)
  1. The fan shall be equipped with an LED light, as specified by the architect or owner.
  2. The LED light kit shall include an LED light module with a diffused translucent lens.
  3. The LED light shall use a twist lock mechanism to attach to the bottom of the fan for downward-directed lighting.
  4. The LED light shall allow the user to adjust the color temperature to 2700 K or 4000 K.
  5. The LED light shall have a standard lumen option of 1,770 lumens and shall be capable of dimming down to 1%.
- J. 0–10 V Module (Optional)
  1. The fan shall be equipped with a 0–10 V module, as specified by the architect or owner.
  2. The module shall be installed in the fan's heatsink.
  3. The module shall provide independent control of fan speed and light intensity and shall support daisy chaining for one or up to 10 fans.
  4. The module shall be compatible with any 0–10 V sinking/sourcing dimmer and with most home or building automation systems.
- K. Wall Control (Optional)
  1. The fan shall be equipped with a Bluetooth wall control, as specified by the architect or owner.
  2. The wall control shall allow intuitive operation of the fan speed and light brightness in the following modes:
    - a. Fan speeds 0 (Off) through 7 (High)
    - b. Auto Mode
    - c. Light brightness 0–100%
  3. The wall control shall be 1.77" wide x 4.25" tall x 1.69" thick (45 mm wide x 108 mm tall x 43 mm thick).
  4. The wall control shall be made from durable polycarbonate and shall feature backlight illumination and a white finish.
  5. The wall control shall have an operating voltage of 100–277 VAC, 1 $\Phi$ , 50/60 Hz and shall draw <0.2 W.
  6. The wall control shall provide control of up to four fans.
  7. The wall control shall install to a wall junction box using standard AC wiring and shall require a dedicated circuit.

## **PART 3 EXECUTION**

### **3.1 PREPARATION**

- A. The fan location must have an appropriate ceiling-mounted outlet box marked "Acceptable for Fan Support" of 70 lb (31.8 kg) or less. If there is not an appropriate outlet box already installed at the location, one must be installed on a ceiling joist or beam and be properly wired. Additional mounting options may be available. Consult the installation guide for additional details.
- B. The fan location must be free from obstacles such as lights, cables, or other building components.
- C. Check the fan location for proper electrical requirements.

### **3.2 INSTALLATION**

- A. Install the fan according to the manufacturer's installation guide, which includes acceptable mounting methods.
- B. Required Distances
  1. For 60-inch (1.5-m) and 72-inch (1.8-m) fans, the airfoils must be at least 7 ft (2.1 m) above the floor.
  2. For 84-inch (2.1-m) and 96-inch (2.4-m) fans, the airfoils must be at least 8 ft (2.4 m) above the floor.
  3. The airfoils must have at least 2 ft (0.6 m) clearance from all obstructions.
  4. The fan shall not be located in close proximity to the outputs of HVAC systems or radiant heaters.
- C. Install and set up the mobile app according to the manufacturer's instructions.

END OF SECTION

## SECTION 283111 - DIGITAL, ADDRESSABLE FIRE-ALARM SYSTEM

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section Includes:

1. Fire-alarm control unit.
2. Manual fire-alarm boxes.
3. System smoke detectors.
4. Heat detectors.
5. Notification appliances.
6. Remote annunciator.
7. Addressable interface device.
8. Digital alarm communicator transmitter.
9. Fire Alarm Records Cabinet

#### 1.2 SYSTEM DESCRIPTION

- A. Noncoded, addressable system, with multiplexed signal transmission, dedicated to fire-alarm service only.

#### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: For fire-alarm system. Include plans, elevations, sections, details, and attachments to other work.
1. Comply with recommendations in the "Documentation" Section of the "Fundamentals of Fire Alarm Systems" Chapter in NFPA 72.
  2. Include voltage drop calculations for notification appliance circuits.
  3. Include battery-size calculations.
  4. Include performance parameters and installation details for each detector, verifying that each detector is listed for complete range of air velocity, temperature, and humidity possible when air-handling system is operating.
  5. Include plans, sections, and elevations of heating, ventilating, and air-conditioning ducts, drawn to scale and coordinating installation of duct smoke detectors and access to them. Show critical dimensions that relate to placement and support of sampling tubes, detector housing, and remote status and alarm indicators. Locate detectors according to manufacturer's written recommendations.
- C. General Submittal Requirements:

1. Submittals shall be approved by authorities having jurisdiction prior to submitting them to Architect.
2. Shop Drawings shall be prepared by persons with the following qualifications:
  - a. Trained and certified by manufacturer in fire-alarm system design.
  - b. NICET-certified fire-alarm technician, Level III minimum.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified Installer.
- B. Field quality-control reports.

#### 1.5 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For fire-alarm systems and components to include in emergency, operation, and maintenance manuals.
- B. Software and Firmware Operational Documentation:
  1. Software operating and upgrade manuals.
  2. Program Software Backup: On magnetic media or compact disk, complete with data files.
  3. Device address list.
  4. Printout of software application and graphic screens.

#### 1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Personnel shall be trained and certified by manufacturer for installation of units required for this Project.
- B. Installer Qualifications: Installation shall be by personnel certified by NICET as fire-alarm Level II technician.
- C. Source Limitations for Fire-Alarm System and Components: Obtain fire-alarm system from single source from single manufacturer. Components shall be compatible with, and operate as, an extension of existing system.
- D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

#### 1.7 SOFTWARE SERVICE AGREEMENT

- A. Comply with UL 864.
- B. Technical Support: Beginning with Substantial Completion, provide software support for two years.



- C. Upgrade Service: Update software to latest version at Project completion. Install and program software upgrades that become available within two years from date of Substantial Completion. Upgrading software shall include operating system. Upgrade shall include new or revised licenses for use of software.
  - 1. Provide 30 days' notice to Owner to allow scheduling and access to system and to allow Owner to upgrade computer equipment if necessary.

## PART 2 - PRODUCTS

### 2.1 SYSTEMS OPERATIONAL DESCRIPTION

- A. Fire-alarm signal initiation shall be by one or more of the following devices:
  - 1. Manual stations.
  - 2. Heat detectors.
  - 3. Smoke detectors.
  - 4. Duct smoke detectors.
- B. Fire-alarm signal shall initiate the following actions:
  - 1. Continuously operate alarm-notification appliances.
  - 2. Identify alarm at the fire-alarm control unit and remote annunciators.
  - 3. Transmit an alarm signal to the remote alarm receiving station.
  - 4. Release fire and smoke doors held open by magnetic door holders.
  - 5. Switch heating, ventilating, and air-conditioning equipment controls to fire-alarm mode.
  - 6. Record events in the system memory.
- C. System trouble signal initiation shall be by one or more of the following devices and actions:
  - 1. Open circuits, shorts, and grounds in designated circuits.
  - 2. Opening, tampering with, or removing alarm-initiating and supervisory signal-initiating devices.
  - 3. Loss of primary power at fire-alarm control unit.
  - 4. Ground or a single break in fire-alarm control unit internal circuits.
  - 5. Abnormal ac voltage at fire-alarm control unit.
  - 6. Break in standby battery circuitry.
  - 7. Failure of battery charging.
  - 8. Abnormal position of any switch at fire-alarm control unit or annunciator.
- D. System Trouble and Supervisory Signal Actions: Initiate notification appliance and annunciate at fire-alarm control unit and remote annunciators.

### 2.2 FIRE-ALARM CONTROL UNIT

- A. General Requirements for Fire-Alarm Control Unit:

1. Field-programmable, microprocessor-based, modular, power-limited design with electronic modules, complying with UL 864 and listed and labeled by an NRTL.
    - a. System software and programs shall be held in flash electrically erasable programmable read-only memory (EEPROM), retaining the information through failure of primary and secondary power supplies.
    - b. Include a real-time clock for time annotation of events on the event recorder and printer.
  2. Addressable control circuits for operation of mechanical equipment.
- B. Alphanumeric Display and System Controls: Arranged for interface between human operator at fire-alarm control unit and addressable system components including annunciation and supervision. Display alarm, supervisory, and component status messages and the programming and control menu.
1. Annunciator and Display: Liquid-crystal type, 3 line(s) of 80 characters, minimum.
  2. Keypad: Arranged to permit entry and execution of programming, display, and control commands.
- C. Circuits:
1. Initiating Device, Notification Appliance, and Signaling Line Circuits: NFPA 72, Class B.
- D. Transmission to Remote Alarm Receiving Station: Automatically transmit alarm, supervisory, and trouble signals to a remote alarm station.
- E. Primary Power: 24-V dc obtained from 120-V ac service and a power-supply module. Initiating devices, notification appliances, signaling lines, trouble signals, and supervisory signals shall be powered by 24-V dc source.
1. Alarm current draw of entire fire-alarm system shall not exceed 80 percent of the power-supply module rating.
- F. Secondary Power: 24-V dc supply system with batteries, automatic battery charger, and automatic transfer switch.
1. Batteries: Sealed lead calcium.
- G. Instructions: Computer printout or typewritten instruction card mounted behind a plastic or glass cover in a stainless-steel or aluminum frame. Include interpretation and describe appropriate response for displays and signals. Briefly describe the functional operation of the system under normal, alarm, and trouble conditions.
- 2.3 MANUAL FIRE-ALARM BOXES
- A. General Requirements for Manual Fire-Alarm Boxes: Comply with UL 38. Boxes shall be finished in red with molded, raised-letter operating instructions in contrasting color; shall show

visible indication of operation; and shall be mounted on recessed outlet box. If indicated as surface mounted, provide manufacturer's surface back box.

1. Double-action mechanism requiring two actions to initiate an alarm, pull-lever type; with integral addressable module arranged to communicate manual-station status (normal, alarm, or trouble) to fire-alarm control unit.
2. Station Reset: Key- or wrench-operated switch.

## 2.4 SYSTEM SMOKE DETECTORS

### A. General Requirements for System Smoke Detectors:

1. Comply with UL 268; operating at 24-V dc, nominal.
2. Detectors shall be four-wire type.
3. Integral Addressable Module: Arranged to communicate detector status (normal, alarm, or trouble) to fire-alarm control unit.
4. Base Mounting: Detector and associated electronic components shall be mounted in a twist-lock module that connects to a fixed base. Provide terminals in the fixed base for connection to building wiring.
5. Self-Restoring: Detectors do not require resetting or readjustment after actuation to restore them to normal operation.
6. Integral Visual-Indicating Light: LED type indicating detector has operated and power-on status.

### B. Photoelectric Smoke Detectors:

1. Detector address shall be accessible from fire-alarm control unit and shall be able to identify the detector's location within the system and its sensitivity setting.
2. An operator at fire-alarm control unit, having the designated access level, shall be able to manually access the following for each detector:
  - a. Primary status.
  - b. Device type.
  - c. Present average value.
  - d. Present sensitivity selected.
  - e. Sensor range (normal, dirty, etc.).

### C. Duct Smoke Detectors: Photoelectric type complying with UL 268A.

1. Detector address shall be accessible from fire-alarm control unit and shall be able to identify the detector's location within the system and its sensitivity setting.
2. An operator at fire-alarm control unit, having the designated access level, shall be able to manually access the following for each detector:
  - a. Primary status.
  - b. Device type.
  - c. Present average value.
  - d. Present sensitivity selected.
  - e. Sensor range (normal, dirty, etc.).

3. Weatherproof Duct Housing Enclosure: NEMA 250, Type 4X; NRTL listed for use with the supplied detector.
4. Each sensor shall have multiple levels of detection sensitivity.
5. Sampling Tubes: Design and dimensions as recommended by manufacturer for specific duct size, air velocity, and installation conditions where applied.
6. Relay Fan Shutdown: Rated to interrupt fan motor-control circuit.

## 2.5 HEAT DETECTORS

- A. General Requirements for Heat Detectors: Comply with UL 521.
- B. Heat Detector, Combination Type: Actuated by either a fixed temperature of 135 deg F (57 deg C) or a rate of rise that exceeds 15 deg F (8 deg C) per minute unless otherwise indicated.
  1. Mounting: Twist-lock base interchangeable with smoke-detector bases.
  2. Integral Addressable Module: Arranged to communicate detector status (normal, alarm, or trouble) to fire-alarm control unit.

## 2.6 NOTIFICATION APPLIANCES

- A. General Requirements for Notification Appliances: Connected to notification appliance signal circuits, zoned as indicated, equipped for mounting as indicated and with screw terminals for system connections.
  1. Combination Devices: Factory-integrated audible and visible devices in a single-mounting assembly, equipped for mounting as indicated and with screw terminals for system connections.
- B. Horns: Electric-vibrating-polarized type, 24-V dc; with provision for housing the operating mechanism behind a grille. Comply with UL 464. Horns shall produce a sound-pressure level of 90 dBA, measured 10 feet (3 m) from the horn, using the coded signal prescribed in UL 464 test protocol.
- C. Visible Notification Appliances: Xenon strobe lights comply with UL 1971, with clear or nominal white polycarbonate lens mounted on an aluminum faceplate. The word "FIRE" is engraved in minimum 1-inch- (25-mm-) high letters on the lens.
  1. Rated Light Output:
    - a. General devices 15/30/75/110 cd, selectable in the field.
    - b. Sleeping area devices 135/150/177/185 cd, selectable in the field
  2. Mounting: Wall mounted unless otherwise indicated.
  3. For units with guards to prevent physical damage, light output ratings shall be determined with guards in place.
  4. Flashing shall be in a temporal pattern, synchronized with other units.
  5. Strobe Leads: Factory connected to screw terminals.
  6. Mounting Faceplate: Factory finished, red.

## 2.7 REMOTE ANNUNCIATOR

- A. Description: Annunciator functions shall match those of fire-alarm control unit for alarm, supervisory, and trouble indications. Manual switching functions shall match those of fire-alarm control unit, including acknowledging, silencing, resetting, and testing.
  - 1. Mounting: Flush cabinet, NEMA 250, Type 1.
- B. Display Type and Functional Performance: Alphanumeric display and LED indicating lights shall match those of fire-alarm control unit. Provide controls to acknowledge, silence, reset, and test functions for alarm, supervisory, and trouble signals.

## 2.8 ADDRESSABLE INTERFACE DEVICE

- A. Description: Microelectronic monitor module, NRTL listed for use in providing a system address for alarm-initiating devices for wired applications with normally open contacts.

## 2.9 DIGITAL ALARM COMMUNICATOR TRANSMITTER

- A. Basic Performance:
  - 1. The Communicator connect directly to the primary and secondary analog UL Listed Fire Alarm Control Panel telephone ports. The Communicator will communicate to GSM networks in the area including 2G, 3G and 4G. The multi-GSM platform technology automatically detects and chooses the best network in the area based on signal strength and immediately self-adjusts for operation. Supports both dynamic (DHCP) or Public and Private Static IP addressing. Communicates over any type of customer-provided Ethernet 10/100 Base network connection (LAN or WAN), DSL modem or cable modem. Data transmits over standard contact-ID protocol is secured with the industry's advanced encryption standard (AES 256 bit). Dual path communications: Uses Internet or GSM as primary. Diagnostic LEDs: Signal strength and status indications. IP and GSM tested every day. All circuits shall be power-limited, per UL864 requirements.
- B. Basic System Functional Operation:
  - 1. When a fire alarm condition (Alarm, Supervisory or Trouble) is detected, the Fire Alarm Control Panel goes off-hook to dial the central station. The Dialer Capture Module detects the off-hook condition and provides the fire panel with a dial tone. When the fire panel detects the dial tone, it begins dialing the central station. The Dialer Capture Module considers the three second period after dialing as the number dialing has been completed. After the dialing is completed, the Dialer Capture Module returns a handshake to the fire panel. The fire panel then sends the contact ID reports to the Dialer Capture Module, which in turn sends a kiss-off after the report is successfully received from the fire panel. The Dialer Capture Module sends the contact ID reports to the iGSM communications module. When all the reports are sent, the fire panel goes on-hook. The iGSM communications module then transmits the messages to the central station (either over the internet or the GSM network).

## 2.10 FIRE ALARM RECORDS CABINET

- A. The system record documents box (SRD) shall be UL Listed, constructed of 18 gauge cold rolled steel. It shall have a red powder coat epoxy finish. The cover shall be permanently screened with 1" high lettering "SYSTEM RECORD DOCUMENTS " with white indelible ink. The access door shall be locked with a 3/4" barrel lock and the hinge shall be a solid width 12" stainless steel piano hinge. The enclosure will supply 4 mounting holes. Inside the enclosure will accommodate standard 8 1/2 x 11 manuals and loose document records that will be protected within the enclosure. A legend sheet will be permanently attached to the door for system required documentation, key contacts and system information. The enclosure shall also provide 2 key ring holders with a location to mount standard business type cards for key contact personnel.

## PART 3 - EXECUTION

### 3.1 EQUIPMENT INSTALLATION

- A. Comply with NFPA 72 for installation of fire-alarm equipment.
- B. Install wall-mounted equipment, with tops of cabinets not more than 72 inches (1830 mm) above the finished floor.
- C. Duct Smoke Detectors: Comply with NFPA 72 and NFPA 90A. Install sampling tubes so they extend the full width of duct.
- D. Single-Station Smoke Detectors: Where more than one smoke alarm is installed within a dwelling or suite, they shall be connected so that the operation of any smoke alarm causes the alarm in all smoke alarms to sound.
- E. Remote Status and Alarm Indicators: Install near each smoke detector and each sprinkler water-flow switch and valve-tamper switch that is not readily visible from normal viewing position.
- F. Audible Alarm-Indicating Devices: Install not less than 6 inches (150 mm) below the ceiling. Install bells and horns on flush-mounted back boxes with the device-operating mechanism concealed behind a grille.
- G. Device Location-Indicating Lights: Locate in public space near the device they monitor.

### 3.2 CONNECTIONS

- A. For fire-protection systems related to doors in fire-rated walls and partitions and to doors in smoke partitions, comply with requirements in Section "Door Hardware." Connect hardware and devices to fire-alarm system.
  - 1. Verify that hardware and devices are NRTL listed for use with fire-alarm system in this Section before making connections.

- B. Make addressable connections with a supervised interface device to the following devices and systems. Install the interface device less than 3 feet (1 m) from the device controlled. Make an addressable confirmation connection when such feedback is available at the device or system being controlled.

### 3.3 IDENTIFICATION

- A. Identify system components, wiring, cabling, and terminals. Comply with requirements for identification specified in Section 260553 "Identification for Electrical Systems."
- B. Install framed instructions in a location visible from fire-alarm control unit.

### 3.4 GROUNDING

- A. Ground fire-alarm control unit and associated circuits; comply with IEEE 1100. Install a ground wire from main service ground to fire-alarm control unit.

### 3.5 FIELD QUALITY CONTROL

- A. Tests and Inspections:
  - 1. Visual Inspection: Conduct visual inspection prior to testing.
    - a. Inspection shall be based on completed Record Drawings and system documentation that is required by NFPA 72 in its "Completion Documents, Preparation" Table in the "Documentation" Section of the "Fundamentals of Fire Alarm Systems" Chapter.
    - b. Comply with "Visual Inspection Frequencies" Table in the "Inspection" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72; retain the "Initial/Reacceptance" column and list only the installed components.
  - 2. System Testing: Comply with "Test Methods" Table in the "Testing" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72.
  - 3. Test audible appliances for the public operating mode according to manufacturer's written instructions. Perform the test using a portable sound-level meter complying with Type 2 requirements in ANSI S1.4.
  - 4. Test audible appliances for the private operating mode according to manufacturer's written instructions.
  - 5. Test visible appliances for the public operating mode according to manufacturer's written instructions.
  - 6. Factory-authorized service representative shall prepare the "Fire Alarm System Record of Completion" in the "Documentation" Section of the "Fundamentals of Fire Alarm Systems" Chapter in NFPA 72 and the "Inspection and Testing Form" in the "Records" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72.
- B. Reacceptance Testing: Perform reacceptance testing to verify the proper operation of added or replaced devices and appliances.

- C. Fire-alarm system will be considered defective if it does not pass tests and inspections.
- D. Prepare test and inspection reports.
- E. Maintenance Test and Inspection: Perform tests and inspections listed for weekly, monthly, quarterly, and semiannual periods. Use forms developed for initial tests and inspections.
- F. Annual Test and Inspection: One year after date of Substantial Completion, test fire-alarm system complying with visual and testing inspection requirements in NFPA 72. Use forms developed for initial tests and inspections.

END OF SECTION 283111



# i6

Bold and innovative, i6 represents the strong side of comfort. Its impressive airflow and striking design bring power into focus for your space, transforming the ordinary into the exceptional. Let automated SenseMe™ technology and an available color-changing LED modernize your notion of fan performance, then relax as i6 silently safeguards your comfort.



## KEY FEATURES

- ▶ **Six premium airfoils** built from aircraft-grade aluminum
- ▶ **Patented brushless DC motor** for silent, efficient performance
- ▶ **Built-in SenseMe™ technology** for automated convenience and efficiency
- ▶ **Voice integration** with Amazon Alexa and Google Assistant devices
- ▶ **Available light kit** with fully dimmable, color-changing LED
- ▶ **Indoor and covered outdoor models** available

### DIAMETER

**60, 72, 84, AND  
96 INCHES**  
(152, 183, 213, AND 244 CM)

### MOUNTING

- UNIVERSAL  
- FLUSH MOUNT

### CONTROL

- BLUETOOTH WALL/REMOTE  
- MOBILE APP  
- VOICE INTEGRATION

### WARRANTY

**5 YEARS**  
INDOOR

**3 YEARS**  
OUTDOOR



**BIG ASS FANS™**

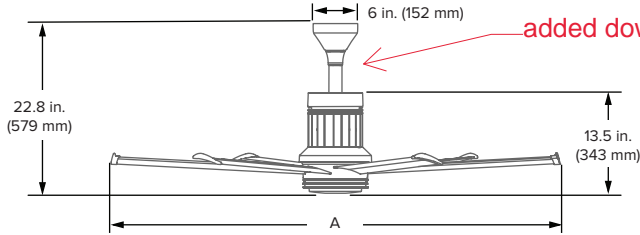
COMFORT WITHOUT  
COMPROMISE

**DISCOVER MORE  
ABOUT i6**

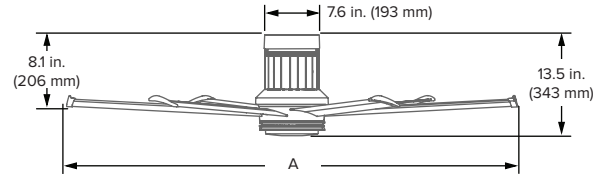
Learn more at [bigassfans.com/i6](https://bigassfans.com/i6)  
or call **877.BIG.FANS** for a free custom quote.

# i6

INSPIRED BY INDUSTRY, BUILT FOR COMFORT



Pictured with 6 in. (152 mm) downrod and light kit<sup>6</sup>



Pictured with flush mount and light kit<sup>6</sup>

## Technical Specifications

Diameter (A)	Environment	CFM <sup>1,2</sup>	Efficiency (CFM/W) <sup>2</sup>	Max Watts	Max Speed	Light Kit	Input Power	Weight <sup>3</sup>	Sound Level <sup>4</sup>
60 in. (1.5 m)	Indoor	9,676 <sup>1</sup>	260	35.4 W	170 RPM	1,770 lm 72.6 lm/W	100–277 VAC, 50/60 Hz, 1 Φ	34 lb (15.4 kg)	<35 dba at max speed
	Covered Outdoor (IPX5)	9,746 <sup>1</sup>	257	31.6 W					
72 in. (1.8 m)	Indoor	13,598	312	41.6 W	140 RPM				
	Covered Outdoor (IPX5)	13,860	318	42.2 W					
84 in. (2.1 m)	Indoor	15,576	370	40.2 W	110 RPM				
	Covered Outdoor (IPX5)	15,814	369	41 W					
96 in. (2.4 m)	Indoor	12,616 (16,211) <sup>2</sup>	525	36 W	80 RPM				
	Covered Outdoor (IPX5)	12,849 (16,560) <sup>2</sup>	534	36 W					

## Construction Features

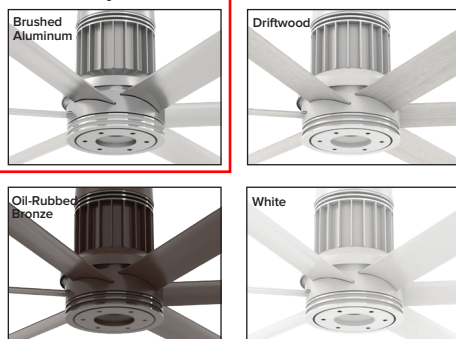
Airfoils	Motor and Hub	Remote	Onboard Sensors	Integrations <sup>5</sup>	Mounting <sup>6</sup>	Accessories
Made from aircraft-grade aluminum Tilted blade profile for optimum airflow spread	24 V DC motor and power supply housed in a three-piece cast aluminum hub with integrated airfoil retention system	"Point-anywhere" <sup>™</sup> pairing Integrated speed indicators Mount fixed to wall or with magnetic holder	Temperature, humidity, and motion sensors enable SenseME Technology	Voice control with Google Assistant or Amazon Alexa Works with home automation systems	Flat or sloped ceilings 8 ft (2.4 m) or taller Maximum slope: 33°	LED Light Kit 0–10 V module Optional downrod lengths available for ceilings over 14 ft (4.3 m)

added downrod needed

## Ordering Information

Diameter	Environment	Mount <sup>7</sup>	Finish	Downrod <sup>7</sup>	LED Light	0–10 V
MK-I61-05: 60 in. (1.5 m) MK-I61-06: 72 in. (1.8 m) MK-I61-07: 84 in. (2.1 m) MK-I61-08: 96 in. (2.4 m)	18: Indoor 19: Outdoor (Covered)	00: Flush 06: Standard	A727: Brushed Aluminum A728: Black A729: White A730: Oil-Rubbed Bronze A729F772: White with Driftwood	Blank: Flush I06: 6 in. (152 mm) I12: 12 in. (305 mm) I24: 24 in. (610 mm) I00: 36, 48, 60 in. (914, 1219, 1524 mm)	Blank: No LED Light S2: LED Light	Blank: No 0–10 V V54: 0–10 V (Sinking) V57: 0–10 V (Sourcing)

## Finish Options



## Black Finish with LED Light Kit



## Remote



<sup>1</sup> 60 inch (1.5 m) fan measured with a 6 inch (152 mm) downrod. When direct-mounted, airflow and efficiency are 7122 cfm and 248 cfm/W (indoor) or 7105 cfm and 247 cfm/W (outdoor).  
<sup>2</sup> 96 inch (2.4 m) fans are tested using the federally mandated test procedure (AMCA 230-15), which differs from the testing method used for 60, 72, and 84 inch fans. For comparative purposes only, the 96 inch (2.4 m) was tested using the small diameter method (shown in parentheses) and should not be used for compliance with federal regulations.  
<sup>3</sup> Weight does not include mount or downrod.  
<sup>4</sup> Actual results of sound measurements in the field may vary due to sound reflective surfaces and environmental conditions.  
<sup>5</sup> Google Assistant is a trademark of Google LLC, Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.  
<sup>6</sup> Mount to an outlet box marked acceptable for fan support of 70 lb (31.8 kg).  
<sup>7</sup> Flush mount available on 60 in. (1.5 m) fans only, 6 in. (152 mm) downrod available on 60 and 72 in. (1.5 and 1.8 m) fans only, 96 in. (2.4 m) fans must use a 12 in. (305 mm) downrod minimum. 36, 48, and 60 in. (914, 1219, and 1524 mm) downrods ordered separately.



Lead times may vary. See full warranty for coverage information.



USA  
BIGASSFANS.COM  
877-244-3267

CANADA  
BIGASSFANS.COM  
844-924-4277

AUSTRALIA  
BIGASSFANS.COM/AU  
1300 244 277

SINGAPORE  
BIGASSFANS.COM/SG  
65 6709 8500



# MAINE IF+W NATURE STORE & ADMIN OFFICE

56 Game Farm Rd, Gray, ME 04039  
 ISSUED FOR BID BGS #3096  
 DATE OF ISSUE: 04.23.2024



**simons architects**  
 designed for human potential

75 York Street  
 Portland, Maine 04101  
 simonsarchitects.com  
 207.772.4656

## PROJECT TEAM

<b>ARCHITECT</b> Simons Architects 75 York Street Portland, ME 04101 207.772.4656 Ryan Kanteres, AIA LEED AP ryan@simonsarchitects.com	<b>M/E/P ENGINEER</b> Bennett Engineering 7 Bennett Road/P.O. Box 297 Freeport, ME 04032 207.865.9475 Will Bennett will@bennettengineering.net	<b>SPECIFICATIONS</b> Keith Lowell Specifications Keith Lowell, President/Owner 207.406.4001 keith@lowellspecs.com
<b>STRUCTURAL ENGINEER</b> Thornton Tomasetti 14 York Street Portland, ME 04101 207.558.867 Christopher Williams cgwilliams@thorntomasetti.com Annavite Rand ARand@thorntomasetti.com	<b>CIVIL ENGINEER</b> Atlantic Resource Consultants 541 US-1 #21 Freeport, ME 04032 207.869.9050 Jason Vafiades JasonV@arc-maine.com	

- ALTERNATES**
- Alternate No. 1: Nature Store Shell.**
- Base Bid: Provide construction of the Nature Store shell with the exterior completed to Specification and Plans and the interior to have framing completed only. Bid shall not include insulation, drywall, ceilings, millwork, casework, heating and cooling, and electrical. Floor sealant and 200-amp electrical panel to remain in base bid.
  - Alternate: Provide everything to complete the interior to Specifications and plans
- Alternate No. 2: Nature Store ERV-1.**
- Base Bid: Do not provide Nature Store ERV-1.
  - Alternate: Provide Nature Store ERV-1, associated ductwork and power requirements as indicated in the Contract Documents.
- Alternate No. 3: Nature Store Shelving.**
- Base Bid: Do not provide Nature Store Shelving.
  - Alternate: Provide Nature Store Shelving as indicated in the Contract Documents.
- Alternate No. 4: Cedar Siding.**
- Base Bid: Provide pine siding as indicated in the Contract Documents.
  - Alternate: Provide cedar siding in lieu of pine siding as indicated in the Contract Documents.
- Alternate No. 5: Mud Room Millwork.**
- Base Bid: Do not provide Mud Room Millwork.
  - Alternate: Provide Mud Room Millwork as indicated in the Contract Documents.

## DRAWING LIST

• FIRST ISSUANCE    □ REISSUED, NO REVISIONS    • ISSUED WITH REVISIONS    ⊗ REMOVED FROM SET

SHEET NO.	SHEET NAME	ISSUE 01 - 04/23/2024	ISSUE 02 - 05/13/2024	ISSUE 03 - 01/01/2023	SHEET NO.	SHEET NAME	ISSUE 01 - 04/23/2024	ISSUE 02 - 05/13/2024	ISSUE 03 - 01/01/2023
<b>GENERAL</b>					<b>STRUCTURAL</b>				
G001	COVER SHEET	•	•	•	A420	MILLWORK DETAILS	•	•	•
G002	TYPICAL MOUNTING	•	•	•	A600	DOOR SCHEDULE	•	•	•
G101	LIFE SAFETY PLAN + CODE SUMMARY	•	•	•	A601	DOOR DETAILS	•	•	•
<b>CIVIL</b>					<b>ELECTRICAL</b>				
C-101	SITE LAYOUT AND UTILITIES PLAN	•	•	•	A602	EXTERIOR WINDOW SCHEDULE	•	•	•
<b>ARCHITECTURAL</b>					<b>MECHANICAL</b>				
A000	ASSEMBLY TYPES	•	•	•	A603	WINDOW DETAILS	•	•	•
A101	CONSTRUCTION PLAN - LEVEL 01	•	•	•	S100	GENERAL NOTES	•	•	•
A102	ROOF PLAN	•	•	•	S101	FOUNDATION PLAN	•	•	•
A121	FINISH PLAN - LEVEL 01	•	•	•	S102	ROOF FRAMING PLAN	•	•	•
A131	REFLECTED CEILING PLAN - LEVEL 01	•	•	•	S201	WALL SECTIONS	•	•	•
A140	INTERIOR ELEVATIONS	•	•	•	S202	FRAMING SECTIONS & TRUSS ELEVATIONS	•	•	•
A141	INTERIOR ELEVATIONS	•	•	•	E101	LIGHTING PLAN	•	•	•
A142	INTERIOR ELEVATIONS	•	•	•	E201	POWER PLAN	•	•	•
A201	EXTERIOR ELEVATIONS	•	•	•	E301	ELECTRICAL NOTES, LEGEND & DETAILS	•	•	•
A301	BUILDING SECTIONS	•	•	•	<b>MATERIALS AND SYMBOLS</b>				
A311	WALL SECTIONS	•	•	•	<b>ABBREVIATIONS</b>				
A312	WALL SECTIONS	•	•	•	<b>MATERIALS AND SYMBOLS</b>				
A313	WALL SECTIONS	•	•	•	<b>ABBREVIATIONS</b>				
A401	PLAN DETAILS	•	•	•	<b>MATERIALS AND SYMBOLS</b>				
A402	PLAN DETAILS	•	•	•	<b>ABBREVIATIONS</b>				
A411	VERTICAL DETAILS	•	•	•	<b>MATERIALS AND SYMBOLS</b>				
A412	VERTICAL DETAILS	•	•	•	<b>ABBREVIATIONS</b>				

## MATERIALS AND SYMBOLS

COURSE GRAVEL CONCRETE STONE EARTH/COMPACT FILL GLASS GYPSUM PLASTER PLYWOOD FINISH WOOD ROUGH WOOD BLOCKING WOOD CONCRETE MASONRY BRICK MASONRY SAND/FINE GRAVEL DENSE PAK CELLULOSE INSULATION SPRAY FOAM INSULATION BATT INSULATION XPS INSULATION EPS INSULATION	AP-000 APPLIANCE / EQUIPMENT / ACCESSORY BUILDING SECTION BUILDING ELEVATION ACP-000 CEILING - TYPE AND HEIGHT CEILING HEIGHT CHANGE CENTER LINE COLUMN REFERENCE LINE DETAIL CALL OUT DETAIL SECTION DOOR TAG	DOOR - NEW DOOR - EXISTING FLOOR FINISH FLOOR FINISH TRANSITION INTERIOR ELEVATION(S) PARTITION TAG PLUMBING FIXTURE PROPOSED ELEVATION REVISION REFERENCE WALL FINISH WALL/BASE FINISH WINDOW TAG
---	---	---

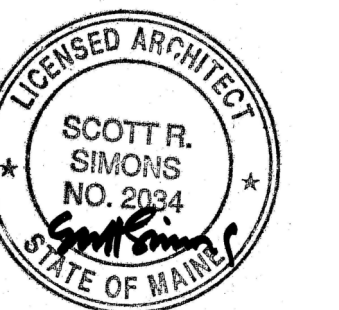
## ABBREVIATIONS

AB ANCHOR BOLT ACCESS ACCESSORY ACOUS ACOUSTICAL(AL) ACT ACOUSTICAL CEILING TILE ADJ ADJACENT AFF ABOVE FINISHED FLOOR ALT ALTERNATE ALUM ALUMINUM ANOD ANODIZED AP ACCESS PANEL APPL APPLIANCE APV ASPHALT PAVEMENT ARCH ARCHITECT(URAL) AUTO AUTOMATIC AVG AVERAGE BD BOARD BF BOTTLE FILLER BIT BITUMINOUS BLDG BUILDING BLKG BLOCKING BM BENCHMARK BRG BEARING CAB CABINET CB CATCH BASIN CEM CEMENT(ITIOUS) CF CUBIC FEET CG CORNER GUARD CIP CAST-IN-PLACE CJ CONTROL JOINT CLG CEILING CLO CLOSET CMU CONCRETE MASONRY UNIT CO CLEAN OUT CONC CONCRETE CONSTR CONSTRUCTION	CONT CONTINUOUS(ATION) COORD CORRINDATE(ED) CPT CARPET CRS COURSE DBL DOUBLE DEFL DEFLECTION DEMO DEMOLITION DET DETAIL DF DRINKING FOUNTAIN DIA DIAMETER DIFF DIFFUSER DIM DIMENSION DISP DISPENSER DN DOWN DR DOOR DWG DRAWING(S) EA EACH EF EXHAUST FAN EJ EXPANSION JOINT EL ELEVATION EMBD EMBEDD(ED)(ING) ENTR ENTRANCE EQ EQUAL EQUIP EQUIPMENT EXIST / EXT'G EXISTING FBO FURNISHED BY OWNER FCO FLOOR CLEAN OUT FD FLOOR DRAIN FE FIRE EXTINGUISHER FEC FIRE EXTINGUISHER AND CABINET FG FIBERGLASS FHC FIRE HOSE AND CABINET	FIN FINISH FLR FLOORING FOS FACE OF STUD FR FIRE RAT(ING)(ED) FRP FIBERGLASS REINFORCED PLASTIC FXD FIXED GA GAUGE GAL GALLON GALV GALVANIZED GC GENERAL CONTRACTOR GL GLASS GR GRANITE GWB GYPSUM WALL BOARD HC HOLLOW CORE HD HIGH DENSITY HDWD HARDWOOD HDWR HARDWARE HM HOLLOW METAL HORIZ HORIZONTAL HVAC HEATING, VENTILATING, AND AIR CONDITIONING ID INSIDE DIAMETER INCL INCL(UD)(ING) INSUL INSULATION INT INTERIOR INV INVERT JAN JANITOR JT JOINT KIT KITCHEN LAM LAMINATE(D)	LAV LAVATORY LCC LEAD COATED COPPER LF LINEAR FOOT/FEET LT LIGHT MAS MASONRY MEMB MEMBRANE MET METAL MEZZ MEZZANINE MFD MANUFACTURED MFR MANUFACTURER MH MANHOLE MISC MISCELLANEOUS MLWK MILLWORK MO MASONRY OPENING MOIST MOISTURE MOLD MOLDING MOT (MOTORIZED) MR MOISTURE RESISTANT MTD MOUNTED MTRL MATERIAL NIC NOT IN CONTRACT NTS NOT TO SCALE OFCI OWNER FURNISHED, CONTRACTOR INSTALLED OPNG OPENING(S) OPR OPERABLE OVHD OVERHEAD PL PLATE PLAM PLASTIC LAMINATE PLAS PLASTER PLSTC PLASTIC PLYWD PLYWOOD PNL PANEL	PREFAB PREFABRICATED PREFIN PREFINISHED PT PAINT PVMT PAVEMENT RD ROOF DRAIN RDL ROOF DRAIN LEADER RECES RECESSED RECPT RECEPTACLE REF REFER(ENCE) REFR REFRIGERATOR REINF REINFORCED(D)(ING)(MENT) REQD REQUIRED RESIL RESILIENT RESIS RESIST(ANT)(IVE) RFG ROOFING RM ROOM RO ROUGH OPENING SAFB SOUND ATTENUATION FIRE BATT (BRACKET) SAN SANITARY SCR SCRIBE SD STORM DRAIN SECT SECTION SIM SIMILAR SPEC SPECIFICATION(S) SS STAINLESS STEEL STD STANDARD STL STEEL STRUCT STRUCTURAL SURF SURFACE SUSP SUSPENDED SYS SYSTEM(S) T&G TONGUE AND GROOVE	THK THICK TLT TOILET TRANS TRANSPARENT TRTD TREATED TYP TYPICAL UNDRLAY UNDERLAYMENT UNO UNLESS NOTED OTHERWISE UTIL UTILITY VERT VERTICAL VIF VERIFY IN FIELD W/O WITHOUT WC WATER CLOSET WD WOOD WDW WINDOW WT WEIGHT WTRPRF WATERPROOFING
---	---	---	--	---	---

PROJECT NAME:  
**MAINE IF+W NATURE STORE & ADMIN OFFICE**

56 Game Farm Rd, Gray, ME 04039

SEAL:



THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
 2024 © SIMONS ARCHITECTS, LLC

REVISIONS	DATE
1 Addendum #1	05.13.2024
2 Addendum #2	05.24.2024

DATE OF ISSUE: 04.23.2024  
 PROJECT NUMBER: 2023-0190  
 STATUS: ISSUED FOR BID BGS #3096

## COVER SHEET

**G001**



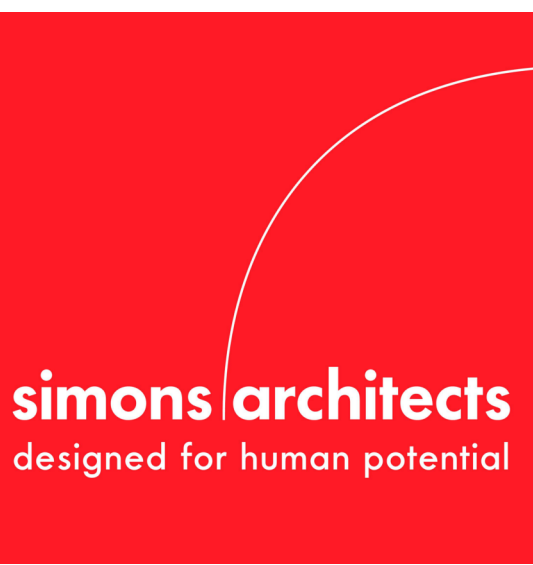
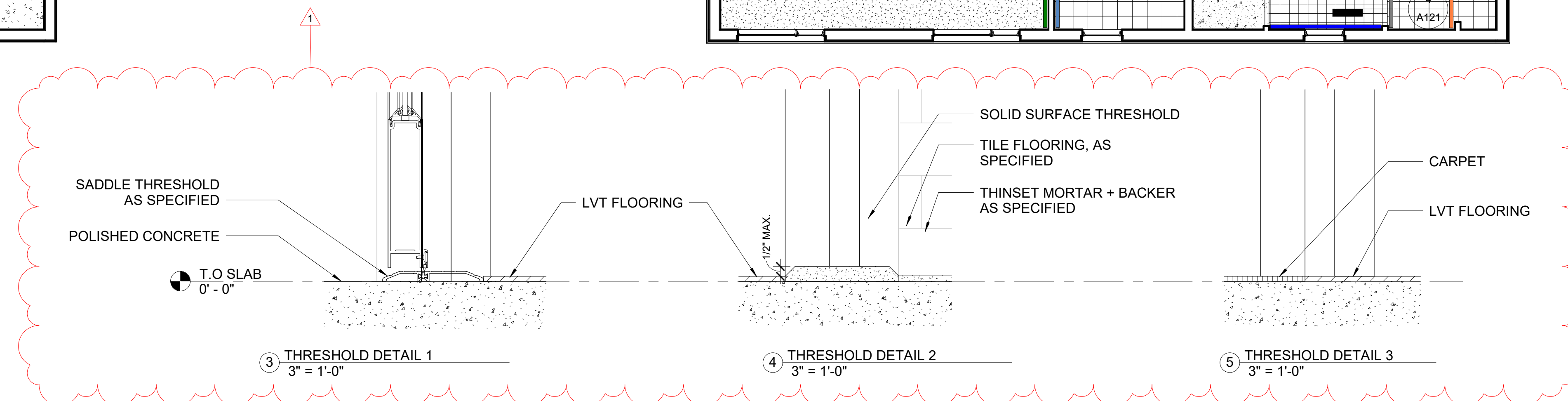
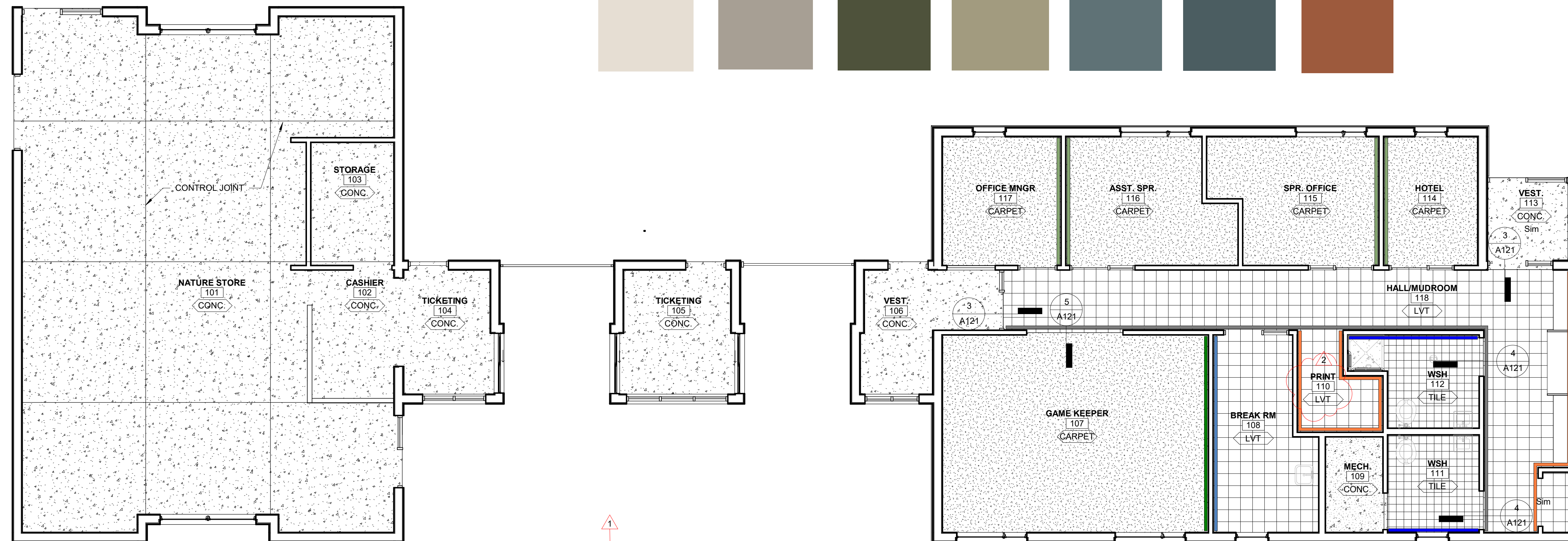
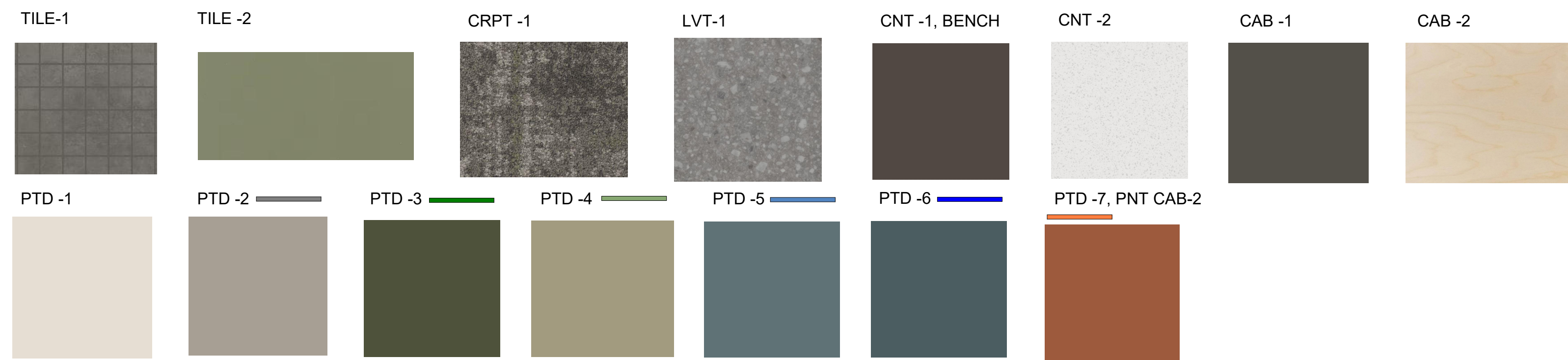
FINISH LEGEND	
NOTE	DESCRIPTION
FLOOR	
CONC.	POLISHED CONCRETE
CRPT -1	J&J FLOORING, CARPET, WARP + WEFT COLLECTION - 18" X 36", QUILL, LICHEN 7801/3625 (ASHLAR)
LVT	J&J FLOORING, LVT, COMPOSITE - 18"X36", 1115 SUITABLE, 5MM
TILE 1	DALTILE, PORTFOLIO, PORCELAIN TILE - 2X2, MATTE, IRON GREY PF06, GROUT DUSTY GREY 60 / 1
BASE	
WOOD	2" WOOD BASE PNT FINISH
WALL	
WOOD	PINE HORIZONTAL NICKLE GAP SHIPLAP - CLEAR FINISH
PTD1 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS WHITE DUCK SW710
PTD2 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS FAWN BRINDLE SW 7640
PTD3 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS SECRET GARDEN SW 6181
PTD4 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS SECRET GARDEN SW 6181
PTD5 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS COLONIAL REVIVAL GREEN STONE SW 2826
PTD6 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS STILL WATER SW 6223
PTD7 GWB	PAINTED GYPSUM WALL BOARD - SHERWIN WILLIAMS PENNYWISE SW 6349
TILE	DALTILE, CLASSIC COLOR WHEEL, GLAZED CERAMIC TILE - 3X6, GARDEN SPOT, 0141 (3), GROUT MINK 95 / 1
GL	STOREFRONT GLASS SYSTEM
CEILING	
PTD GYP	PAINTED GYPSUM
ACT 1	2X2 ACOUSTIC CEILING TILE
WD 1	8'-0" LENGTH PINE T&G - CLEAR FINISH
WD 2	RANDOM LENGTH PINE T&G - CLEAR FINISH
MILLWORK	
CNTR -1	FORMICA, BLACKENED BRONZE, MATTE TEXTURE - 1519-58
CNTR -2	FORMICA, PALOMA POLAR, MATTE TEXTURE - 6698-58
PNT CAB -1	PAINTED WOOD, SHERWIN WILLIAMS URBANE BRONZE SW 7048
CAB -2	BIRCH PLYWOOD
BENCH	FORMICA, BLACKENED BRONZE, MATTE TEXTURE - 1519-58, HARDWOOD EDGE, REFER TO DETAILS

## FINISH SCHEDULE FIRST FLOOR

NO	ROOM	FLOOR		WALLS				CEILING	NOTES
		BASE	FLOOR	NORTH	SOUTH	EAST	WEST		
101	NATURE STORE	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	WD 1	SEE ALTERNATE 1 ON COVER PAGE SEE ALTERNATE 1 ON COVER PAGE SEE ALTERNATE 1 ON COVER PAGE SEE ALTERNATE 1 ON COVER PAGE SEE ALTERNATE 1 ON COVER PAGE SEE ALTERNATE 1 ON COVER PAGE SEE ALTERNATE 1 ON COVER PAGE SEE ALTERNATE 1 ON COVER PAGE SEE ALTERNATE 1 ON COVER PAGE SEE ALTERNATE 1 ON COVER PAGE SEE ALTERNATE 1 ON COVER PAGE
102	CASHIER	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	WD 1	
103	STORAGE	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	GYP.	
104	TICKETING	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	WD 2	
105	TICKETING	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	WD 2	
106	VEST.	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	WD 2	
107	GAME KEEPER	PTD WOOD	CARPET	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
108	BREAK RM	PTD WOOD	LVT	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
109	MECH.	N/A	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	GYP.	
110	PRINT	PTD WOOD	LVT	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
111	WSH	COVE TILE	TILE	PTD GWB/TILE	PTD GWB/TILE	PTD GWB/TILE	PTD GWB/TILE	GYP.	
112	WSH	COVE TILE	TILE	PTD GWB/TILE	PTD GWB/TILE	PTD GWB/TILE	PTD GWB/TILE	GYP.	PROVIDE TILE BACKER @ ALL TILED LOCATIONS. FLOOR/WALL TRANSITION TO HAVE COVE TILE BASE + BULLNOSE TILE @ GYP TRANSITION, SEE A142 FOR MORE INFORMATION
113	VEST.	PTD WOOD	CONC.	PTD GWB	PTD GWB	PTD GWB	PTD GWB	WD 2	PROVIDE TILE BACKER @ ALL TILED LOCATIONS. FLOOR/WALL TRANSITION TO HAVE COVE TILE BASE + BULLNOSE TILE @ GYP TRANSITION, SEE A142 FOR MORE INFORMATION
114	HOTEL	PTD WOOD	CARPET	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
115	SPR. OFFICE	PTD WOOD	CARPET	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
116	ASST. SPR.	PTD WOOD	CARPET	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
117	OFFICE MNGR	PTD WOOD	CARPET	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	
118	HALL/MUDROOM	PTD WOOD	LVT	PTD GWB	PTD GWB	PTD GWB	PTD GWB	ACT 1	

### GENERAL NOTES:

- SEE A601 FOR PARTITION TYPES
- ALL PARTITIONS W401 U.N.O.
- SEE A301 FOR TYPICAL WALL ASSEMBLIES
- SEE A301 FOR TYPICAL ROOF ASSEMBLIES
- ALL WALLS TO BE PAINTED PTD1, U.N.O.
- ALL INTERIOR DOOR + BASE TRIM TO BE PAINTED TO MATCH COORDINATING WALLS, U.N.O.



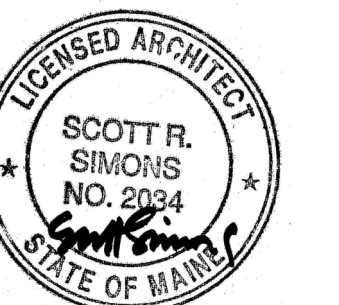
75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:

## MAINE IF+W NATURE STORE & ADMIN OFFICE

56 Game Farm Rd, Gray, ME 04039

SEAL:



THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

### REVISIONS

1 Addendum #1	05.13.2024
2 Addendum #2	05.24.2024

DATE OF ISSUE: 04.23.2024

PROJECT NUMBER: 2023-0190

STATUS: ISSUED FOR BID BGS #3096

## FINISH PLAN - LEVEL 01

A121



PROVIDE WIRING FOR SECURITY CAMERA, SECURITY SYSTEM BY OWNER

WOOD SIDING #2 - PINE 6" VERTICAL SIDING, NICKLE GAP, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

WOOD SIDING #1 - PINE 6" HORIZONTAL SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

WOOD CEILING #2 PINE V-GROOVE, CLEAR COAT

PROVIDE WIRING FOR SECURITY CAMERA, SECURITY SYSTEM BY OWNER

ARCHITECTURAL TAB ROOF SHINGLES  
PROVIDE WIRING FOR SECURITY CAMERA, SECURITY SYSTEM BY OWNER

ARCHITECTURAL TAB ROOF SHINGLES

WOOD SIDING #1 - PINE 6" HORIZONTAL SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

WOOD SIDING #4 - 6" VERTICAL PINE SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

1 SOUTH-EAST ELEVATION  
1/8" = 1'-0"

2 SOUTH-WEST ELEVATION  
1/8" = 1'-0"

PROVIDE WIRING FOR SECURITY CAMERA, SECURITY SYSTEM BY OWNER

CARD ACCESS, POWER BY GC, CARD READER + DATA BY OWNER

WOOD SIDING #4 - 6" VERTICAL PINE SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

WRAP STRUCTURAL HEADER W/ MATCHING WOOD SIDING AT DROPPED TICKET BOOTH HEADER, TYP.  
WOOD SIDING #3 PINE 6" HORIZONTAL NICKLE GAP SIDING, NO. 2 GRADE, CLEAR COAT

3 NORTH-EAST ELEVATION  
1/8" = 1'-0"

WOOD SIDING #4 - 6" VERTICAL PINE SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

ERV INTAKE AND EXHAUST COORD. W/M-SERIES DRAWINGS

WOOD SIDING #1 - PINE 6" HORIZONTAL SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

4 NORTH-WEST ELEVATION  
1/8" = 1'-0"

3 NORTH-EAST ELEVATION  
1/8" = 1'-0"

WOOD SIDING #2 - PINE 6" VERTICAL SIDING, NICKLE GAP, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

EXTERIOR SCENCE, SEE LIGHTING SCHEDULE, TYP.

WOOD SIDING #1 - PINE 6" HORIZONTAL SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

FULLY RECESSED KEY BOX

WRAP STRUCTURAL HEADER W/ MATCHING WOOD SIDING AT DROPPED TICKET BOOTH HEADER, TYP.

ARCHITECTURAL TAB ROOF SHINGLES  
ERV INTAKE AND EXHAUST COORD. W/M-SERIES DRAWINGS

WOOD SIDING #1 - PINE 6" HORIZONTAL SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

5 TICKETING NORTH-EAST ELEVATION  
1/8" = 1'-0"

7 CENTER TICKETING SOUTH-WEST ELEVATION  
1/8" = 1'-0"

6 CENTER TICKETING NORTH-EAST ELEVATION  
1/8" = 1'-0"

8 VESTIBULE SOUTH-WEST ELEVATION  
1/8" = 1'-0"

T.O. RIDGE NS 22' - 10 3/4"

T.O. WALL NS 11' - 0"

TICKETING H.P. PLATE HT 9' - 8"

TICKETING L.P. PLATE HT 7' - 10"

T.O. SLAB 0' - 0"

A301

A301

A301

A301

T.O. RIDGE ADM 19' - 7 1/4"

WOOD SIDING #4 - 6" VERTICAL PINE SIDING, CHANNEL RUSTIC, NO. 2 GRADE, STAIN TBD BY OWNER + ARCH.

T.O. WALL ADM 9' - 6"

WOOD SIDING #3 PINE 6" HORIZONTAL CHANNEL RUSTIC SIDING, CLEAR COAT

WOOD SIDING #3 PINE 6" HORIZONTAL CHANNEL RUSTIC SIDING, CLEAR COAT

ERV INTAKE AND EXHAUST COORD. W/M-SERIES DRAWINGS

T.O. RIDGE NS 22' - 10 3/4"

T.O. WALL NS 11' - 0"

10'-0"

7'-5"

7'-10"

8'-3"

7'-0"

2'-10"

7'-5"

2'-10"

7'-5"

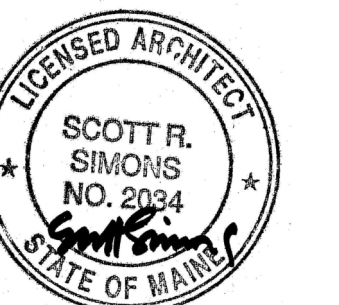


75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:  
**MAINE IF+W  
NATURE STORE  
& ADMIN OFFICE**

56 Game Farm Rd, Gray, ME 04039

SEAL:



THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

REVISIONS		
1	Addendum #1	05.13.2024
2	Addendum #2	05.24.2024

DATE OF ISSUE: 04.23.2024  
PROJECT NUMBER: 2023-0190  
STATUS: ISSUED FOR BID BGS #3096

**EXTERIOR  
ELEVATIONS**

**A201**

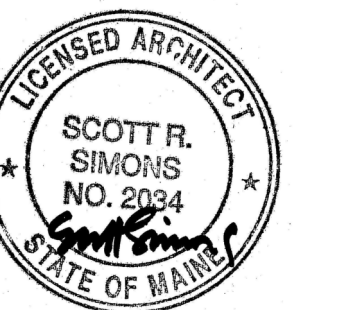


PROJECT NAME:

**MAINE IF+W  
NATURE STORE  
& ADMIN OFFICE**

56 Game Farm Rd, Gray, ME 04039

SEAL:



THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE. 2024 © SIMONS ARCHITECTS, LLC

REVISIONS

1	Addendum #1	05.13.2024
2	Addendum #2	05.24.2024

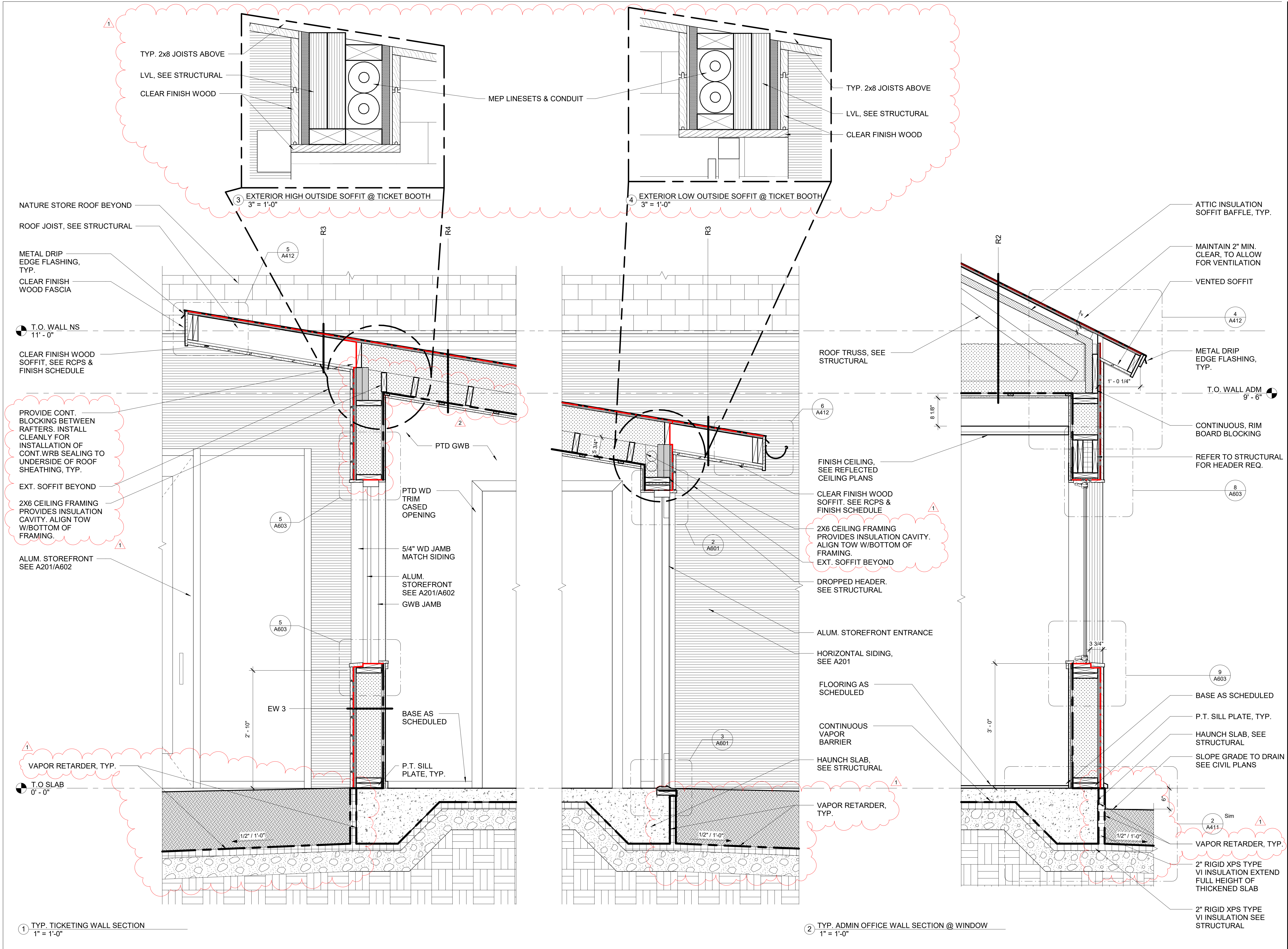
DATE OF ISSUE: 04.23.2024

PROJECT NUMBER: 2023-0190

STATUS: ISSUED FOR BID BGS #3096

**WALL SECTIONS**

**A313**



**1** TYP. TICKETING WALL SECTION  
1" = 1'-0"

**2** TYP. ADMIN OFFICE WALL SECTION @ WINDOW  
1" = 1'-0"

**2** Sim  
A411

VAPOR RETARDER, TYP.

2" RIGID XPS TYPE VI INSULATION EXTEND FULL HEIGHT OF THICKENED SLAB

2" RIGID XPS TYPE VI INSULATION SEE STRUCTURAL

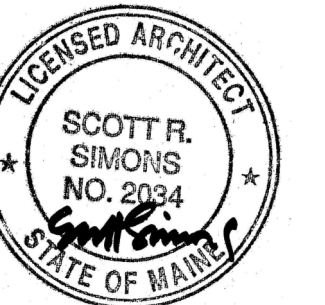


PROJECT NAME:

**MAINE IF+W  
NATURE STORE  
& ADMIN OFFICE**

56 Game Farm Rd, Gray, ME 04039

SEAL:



THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

REVISIONS

1	Addendum #1	05.13.2024
2	Addendum #2	05.24.2024

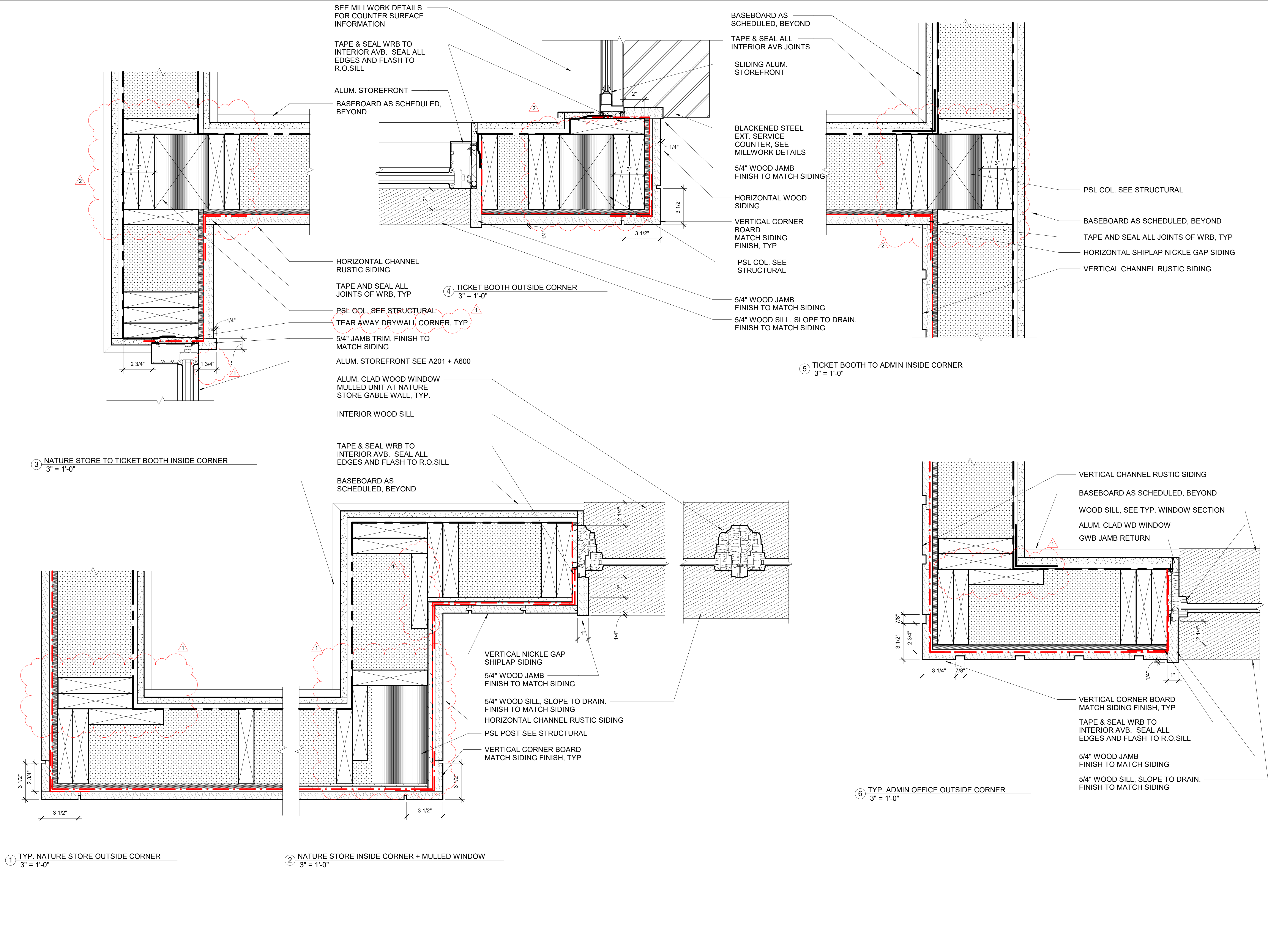
DATE OF ISSUE: 04.23.2024

PROJECT NUMBER: 2023-0190

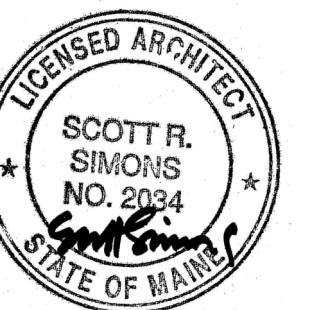
STATUS: ISSUED FOR BID BGS #3096

**PLAN DETAILS**

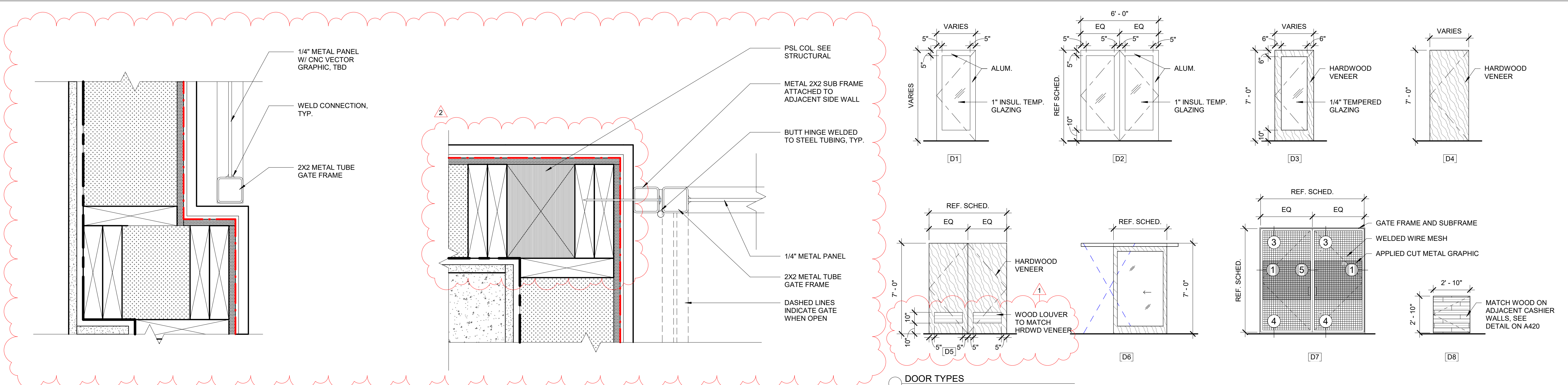
**A401**





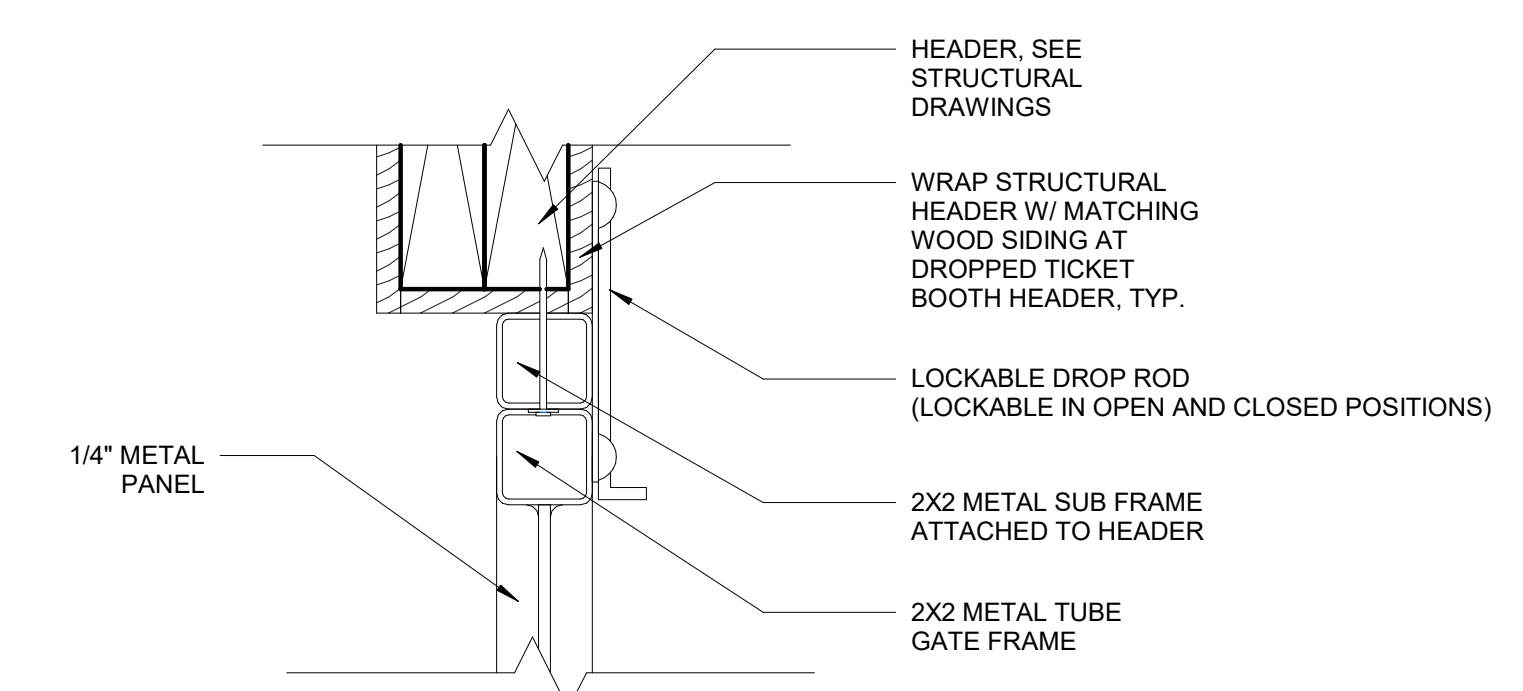


1	Addendum #1	05.13.2024
2	Addendum #2	05.24.2024

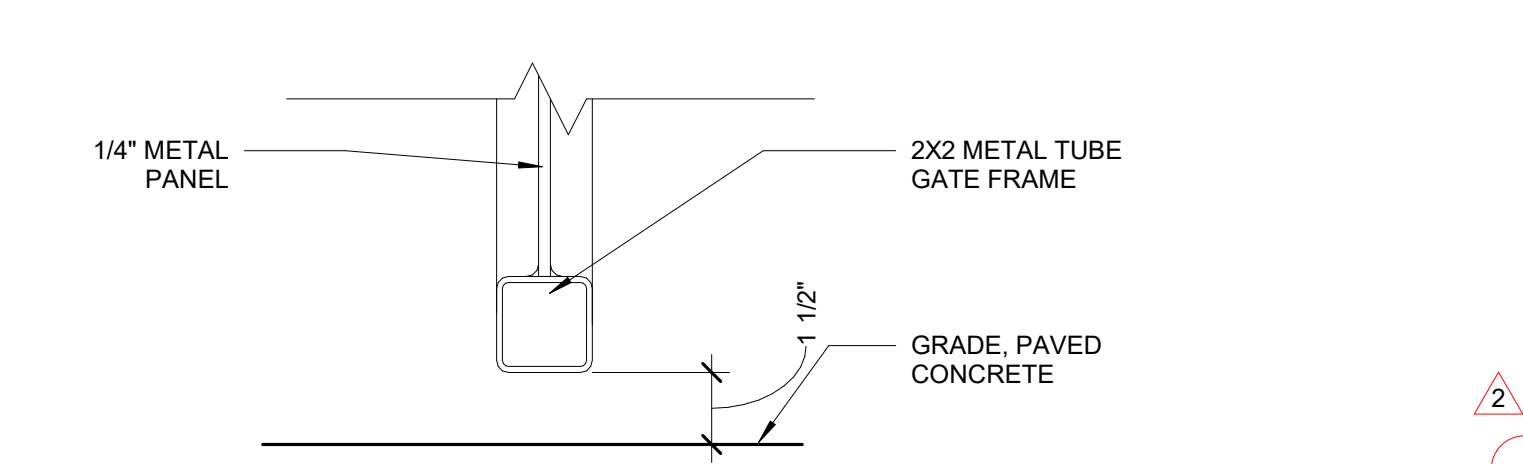


1 PARK GATE DETAIL @ DOOR INSET, TYP.  
3" = 1'-0"

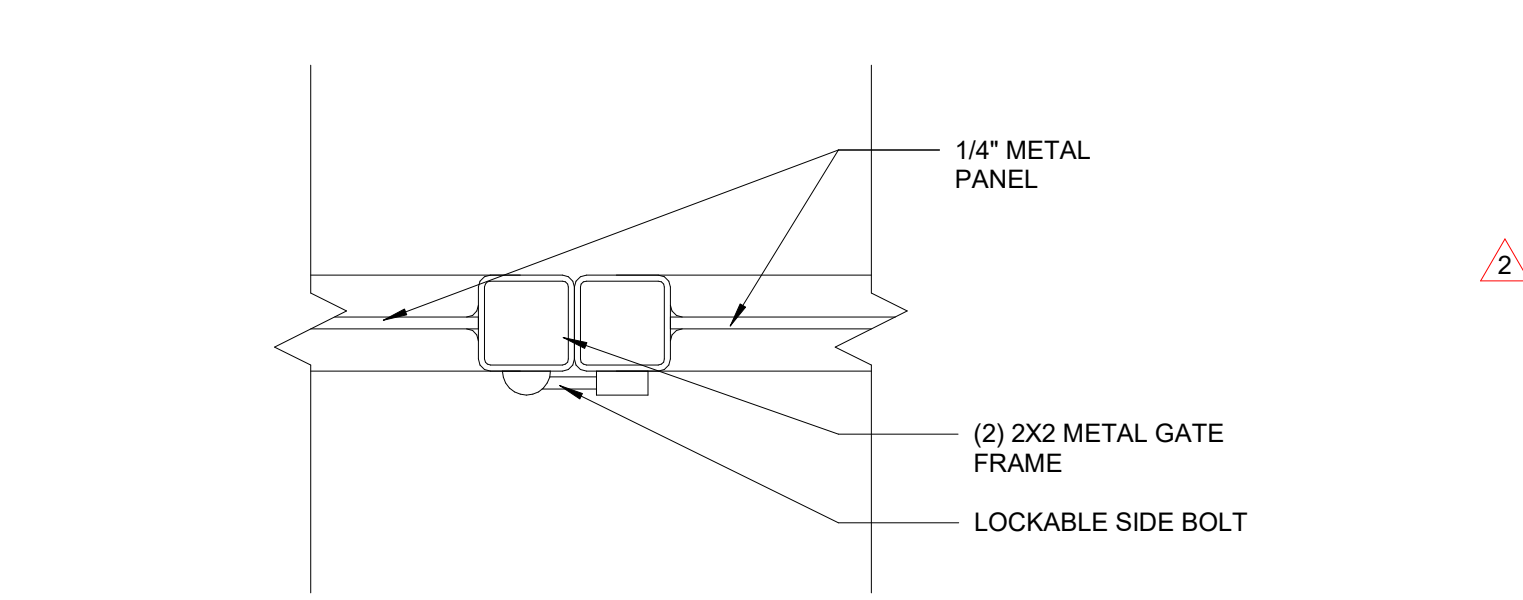
2 PARK GATE DETAIL @ JAMB, TYP.  
3" = 1'-0"



3 PARK GATE SECTION @ HEADER  
3" = 1'-0"

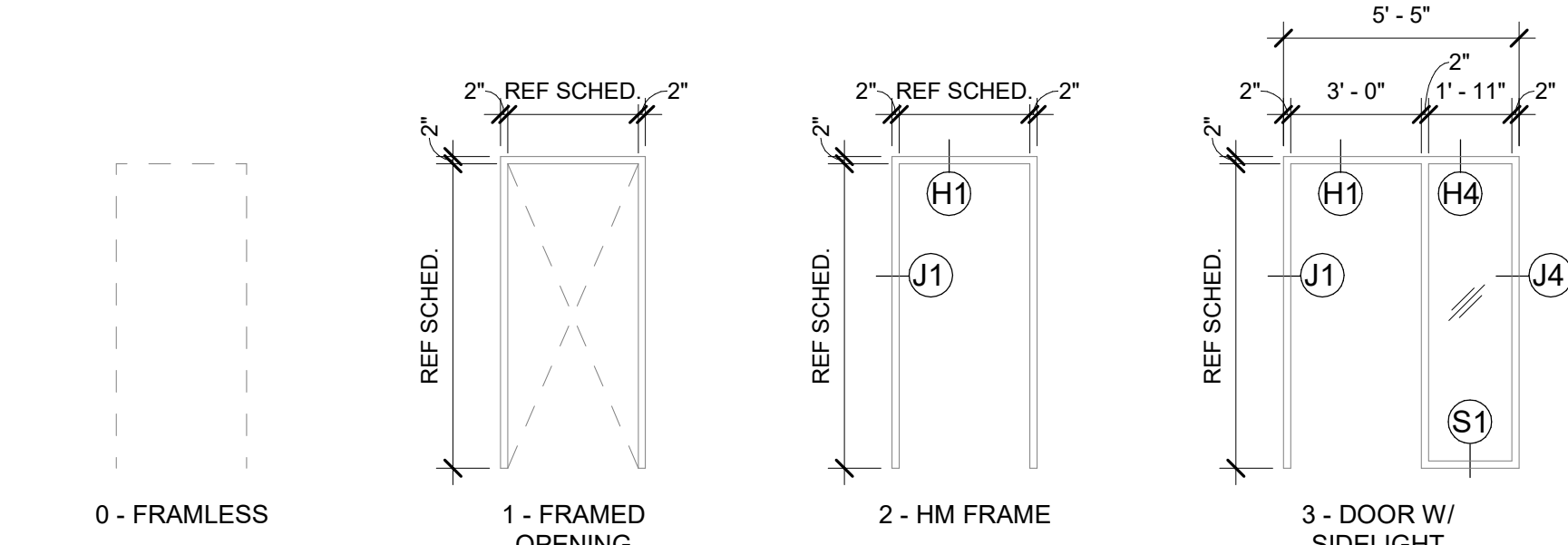


4 PARK GATE SECTION @ SILL  
3" = 1'-0"



5 PARK GATE DETAIL @ CENTER LATCH  
3" = 1'-0"

DOOR TYPES  
1/4" = 1'-0"



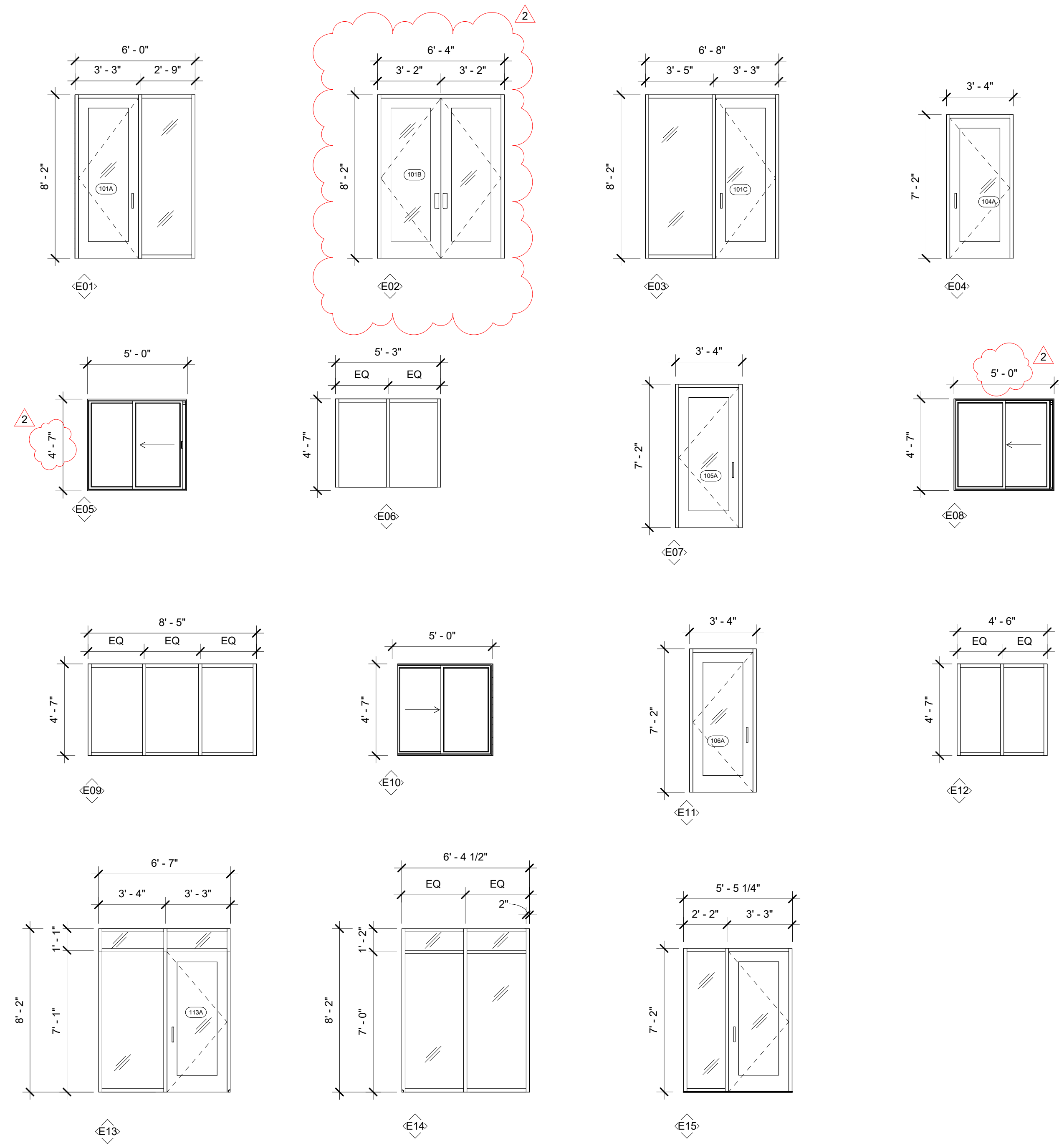
DOOR FRAME TYPES  
1/4" = 1'-0"

NO.	ROOM	DOOR TYPE	MANUF.	DESCRIPTION	DOOR				FRAME			FIRE RATING	INT/EXT	CARD READER	COMMENTS
					HEIGHT	WIDTH	THICKNESS	FINISH	FRAME TYPE	MATERIAL	HEAD DETAIL				
101A	NATURE STORE	D1	KAWNEER	ALUM. FULL LITE	8'-0"	3'-0"		ALUM/GLASS		ALUM.					
101B	NATURE STORE	D2	KAWNEER	ALUM. FULL LITE	2'-8"-0"	6'-0"		ALUM/GLASS		ALUM.					
101C	NATURE STORE	D1	KAWNEER	ALUM. FULL LITE	8'-0"	3'-0"		ALUM/GLASS		ALUM.					
102A	CASHIER	D8	CUSTOM	GATE	2'-10"	2'-10"	0'-2"	WD VENEER	N/A	WD					SIDING CLAD GATE
102B	CASHIER	F4			7'-2"	7'-4"			F0	N/A					
103	STORAGE	D4		FLUSH SC WOOD VENEER	7'-0"	3'-0"	0'-1 3/4"	WD VENEER	F1	HM	H1	J1			
104A	TICKETING	D1	KAWNEER	ALUM. FULL LITE	7'-0"	3'-0"									
104B		D7		EXT. WIRE MESH GATE	7'-0 1/2"	9'-0"			N/A	N/A					
105A	TICKETING	D1	KAWNEER	ALUM. FULL LITE	7'-0"	3'-0"									
105B		D7		EXT. WIRE MESH GATE	6'-9"	9'-0"			N/A	N/A					
106A	VEST.	D1	KAWNEER	ALUM. FULL LITE	7'-0"	3'-0"		ALUM/GLASS		ALUM.				Yes	ADA DOOR OPERATOR PUSHPAD, SEE E201 FOR MORE DETAILS CARD READER BY OWNER, ADA DOOR OPERATOR PUSHPAD, SEE E201 FOR MORE DETAILS
106B	VEST.	D1	KAWNEER	ALUM. FULL LITE	7'-0"	3'-0"		ALUM/GLASS	N/A	ALUM.					
107	GAME KEEPER	D6		SLIDING BARN DOOR, FULL LITE	7'-0"	8'-0"	0'-2"		F1	HM	H3	J2			
108	BREAK RM	D3		WOOD VENEER, FULL LITE	7'-0"	3'-0"		WD/GLASS	F3	HM	H2	J2/J4			
109	MECH.	F3			7'-0"	2'-10"	0'-1 3/4"	WD	F1	HM	H2	J2			
111	WSH	D4		FLUSH SC WOOD VENEER	7'-0"	3'-0"	0'-1 3/4"	WD	F1	HM	H2	J2/J3			
112	WSH	D4		FLUSH SC WOOD VENEER	7'-0"	3'-0"	0'-1 3/4"	WD VENEER	F0	HM	H2	J2/J3			
113A	VEST.	D1	KAWNEER	ALUM. FULL LITE	7'-0"	3'-0"		ALUM/GLASS		ALUM.					
113B	VEST.	D1	KAWNEER	ALUM. FULL LITE	7'-0"	3'-0"		ALUM/GLASS		ALUM.				Yes	CARD READER BY OWNER
114	HOTEL	D3		WOOD VENEER, FULL LITE	7'-0"	3'-0"		WD/GLASS	F3	HM	H2	J2/J4			
115	SPR. OFFICE	D3		WOOD VENEER, FULL LITE	7'-0"	3'-0"		WD/GLASS	F3	HM	H2	J2/J4			
116	ASST. SPR.	D3		WOOD VENEER, FULL LITE	7'-0"	3'-0"		WD/GLASS	F3	HM	H2	J2/J4			
117	HALL/MUDROOM	D3		WOOD VENEER, FULL LITE	7'-0"	2'-11"		WD/GLASS	F3	HM	H2	J2/J4			
118	HALL/MUDROOM	D5			7'-0"	4'-0"	0'-2"	WD VENEER	F3	HM	H2	J2			

GENERAL NOTES:  
1. DOORS AND FRAMES SHOULD BE SHOP-PREPARED ACCORDING TO FIRE LISTINGS.  
2. FOR FRAME TYPES INTEGRAL TO INT. WINDOW ASSEMBLY SEE A602 FOR WINDOW TYPES + DETAILS.  
3. DOORS NOTED AS "CARD READER BY OWNER" TO INCLUDE CONDUIT AND JUNCTION BOX ONLY, CARD READER + DATA BY OWNER

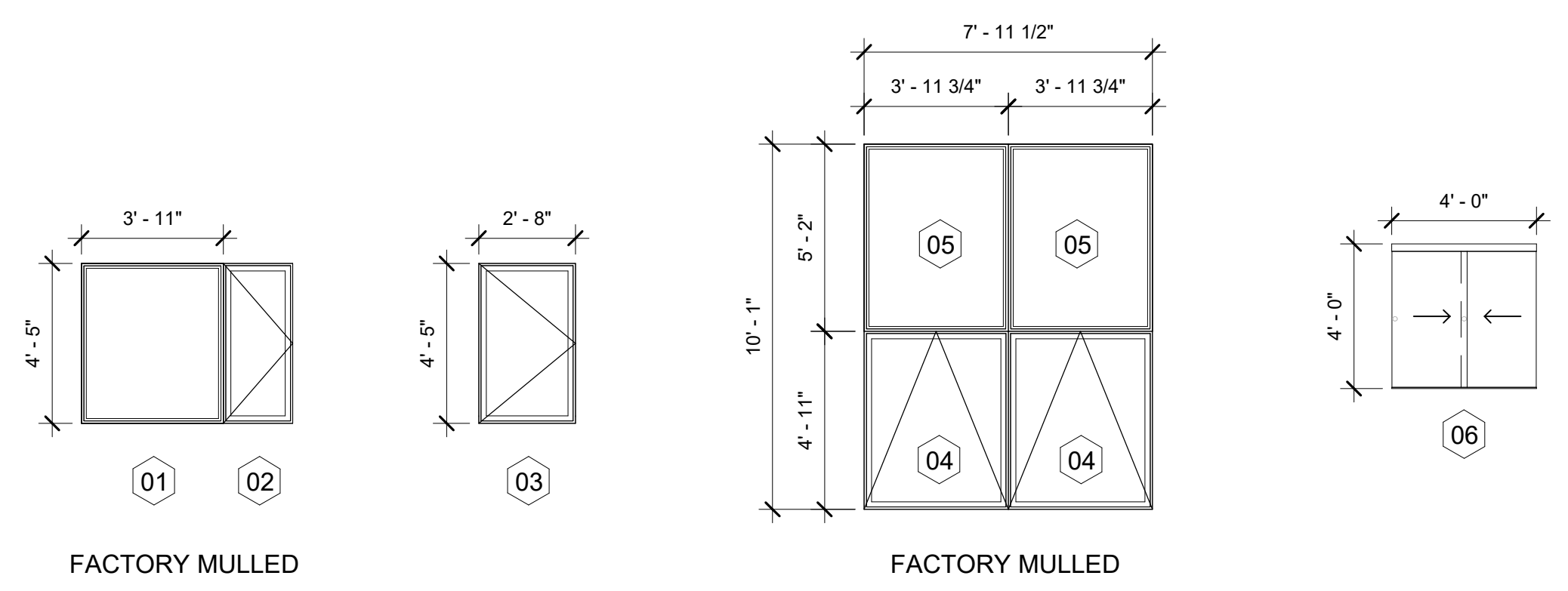


EXTERIOR ASSEMBLIES									
No.	Manufacturer	Window Description	Frame Size (W x H)			Material			Notes
			Width	Height	R.O.	Int	Ext	Glazing	
E01	KAWNEER	Alum. Partition System	6' - 0"	8' - 2"	Per MFQR REQ.	Alum.	Alum.		
E02	KAWNEER	Alum. Partition System	6' - 4"	8' - 2"	Per MFQR REQ.	Alum.	Alum.		
E03	KAWNEER	Alum. Partition System	6' - 8"	8' - 2"	Per MFQR REQ.	Alum.	Alum.		
E04	KAWNEER	Alum. Partition System	3' - 4"	7' - 2"	Per MFQR REQ.	Alum.	Alum.		
E05	KAWNEER	Alum. Partition System	5' - 0"	4' - 7"	Per MFQR REQ.	Alum.	Alum.		
E06	KAWNEER	Alum. Partition System	5' - 3"	4' - 7"	Per MFQR REQ.	Alum.	Alum.		
E07	KAWNEER	Alum. Partition System	3' - 4"	7' - 2"	Per MFQR REQ.	Alum.	Alum.		
E08	KAWNEER	Alum. Partition System	5' - 0"	4' - 7"	Per MFQR REQ.	Alum.	Alum.		
E09	KAWNEER	Alum. Partition System	8' - 5"	4' - 7"	Per MFQR REQ.	Alum.	Alum.		
E10	KAWNEER	Alum. Partition System	5' - 0"	4' - 7"	Per MFQR REQ.	Alum.	Alum.		
E11	KAWNEER	Alum. Partition System	3' - 4"	7' - 2"	Per MFQR REQ.	Alum.	Alum.		
E12	KAWNEER	Alum. Partition System	4' - 6"	4' - 7"	Per MFQR REQ.	Alum.	Alum.		
E13	KAWNEER	Alum. Partition System	6' - 7"	8' - 2"	Per MFQR REQ.	Alum.	Alum.		
E14	KAWNEER	Alum. Partition System	6' - 4 1/2"	8' - 2"	Per MFQR REQ.	Alum.	Alum.		
E15	KAWNEER	Alum. Partition System	5' - 5"	7' - 2"	Per MFQR REQ.	Alum.	Alum.		



1 STOREFRONT TYPES  
1/4" = 1'-0"

WINDOW SCHEDULE								
No.	Manufacturer	Window Line	Operation	Frame Size (W x H)		Material		Notes
				Width	Height	Int	Ext	
01	Pella	Lifestyle	Fixed	3' - 11"	4' - 5"	Pine	Alum. Clad	HARDWARE - STANDARD BROWN
02	Pella	Lifestyle	Casement	1' - 11"	4' - 5"	Pine	Alum. Clad	HARDWARE - STANDARD BROWN
03	Pella	Lifestyle	Casement	2' - 8"	4' - 5"	Pine	Alum. Clad	HARDWARE - STANDARD BROWN
04	Pella	Lifestyle	Awning	3' - 11 3/4"	4' - 11"	Pine	Alum. Clad	HARDWARE - STANDARD BROWN
05	Pella	Lifestyle	Fixed	3' - 11 3/4"	5' - 2"	Pine	Alum. Clad	HARDWARE - STANDARD BROWN
06	CRL	Sharyn Frameless Pass-Thru	Slider	4' - 0"	4' - 0"			



2 WINDOW TYPES  
1/4" = 1'-0"

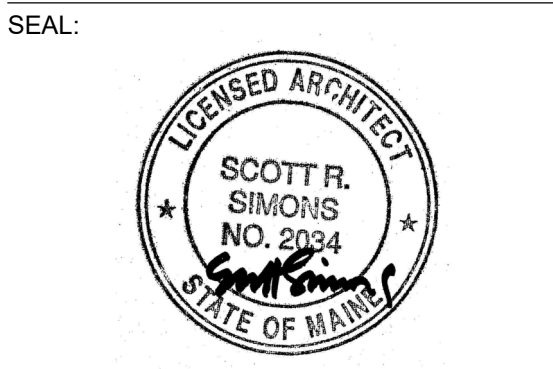
GENERAL NOTES:  
1. DIM TO UNIT SIZE U.N.O.  
2. ALL GLASS TO BE TEMPERED AS REQUIRED  
3. CONTRACTOR SHALL FIELD VERIFY DIM. PRIOR TO FABRICATION OF WINDOW UNITS



75 York Street  
Portland, Maine 04101  
simonsarchitects.com  
207.772.4656

PROJECT NAME:  
**MAINE IF+W  
NATURE STORE  
& ADMIN OFFICE**

56 Game Farm Rd, Gray, ME 04039



THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2024 © SIMONS ARCHITECTS, LLC

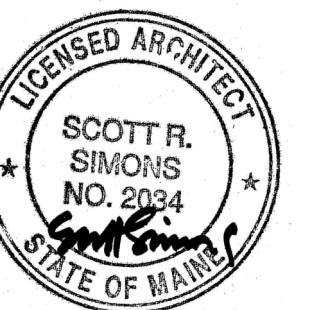
REVISIONS	DATE
2 Addendum #2	05.24.2024

DATE OF ISSUE: 04.23.2024  
PROJECT NUMBER: 2023-0190  
STATUS: ISSUED FOR BID BGS #3096

**EXTERIOR WINDOW SCHEDULE**

**A602**





REVISIONS

1 Addendum #1	05.13.2024
2 Addendum #2	05.24.2024

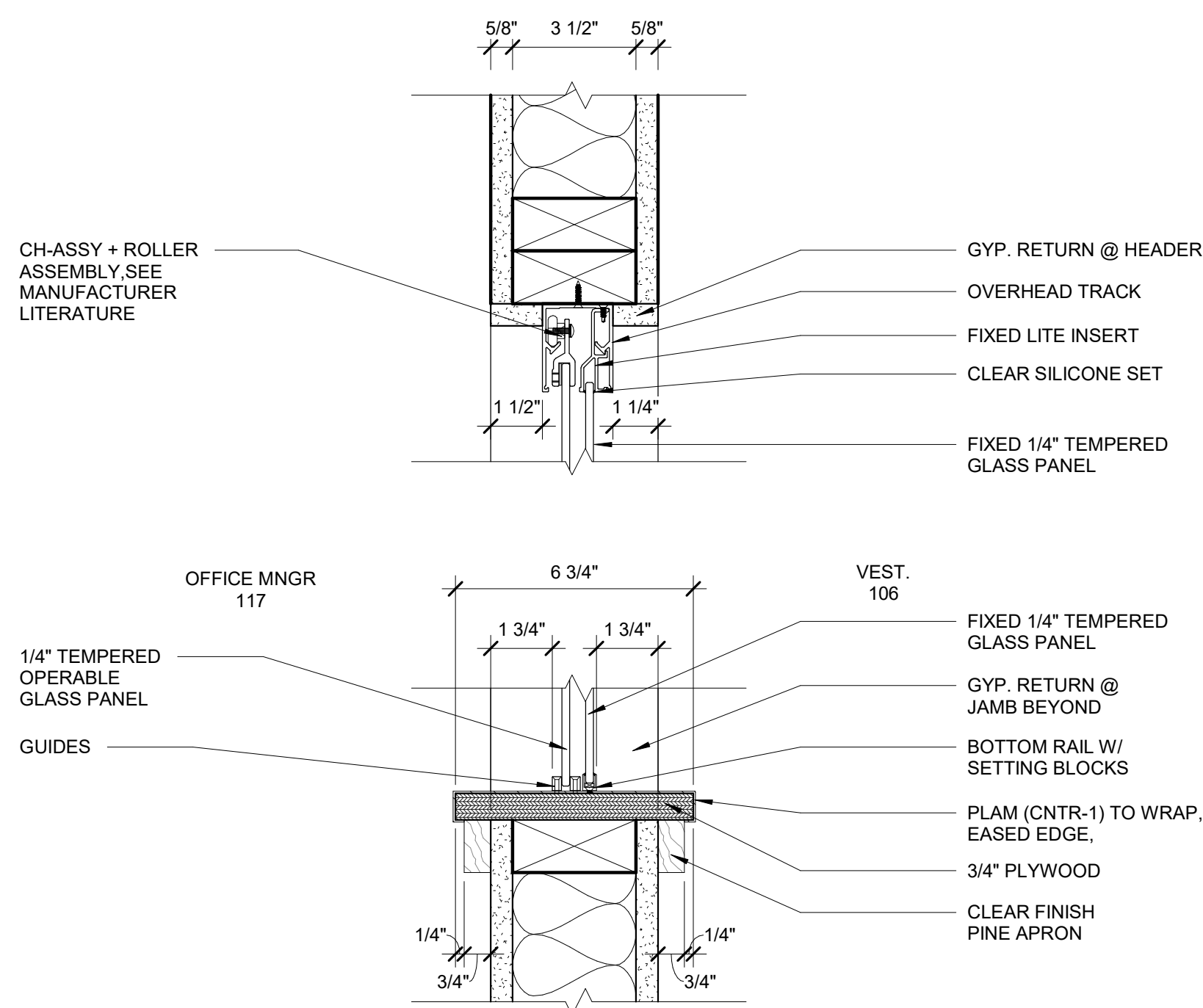
DATE OF ISSUE: 04.23.2024

PROJECT NUMBER: 2023-0190

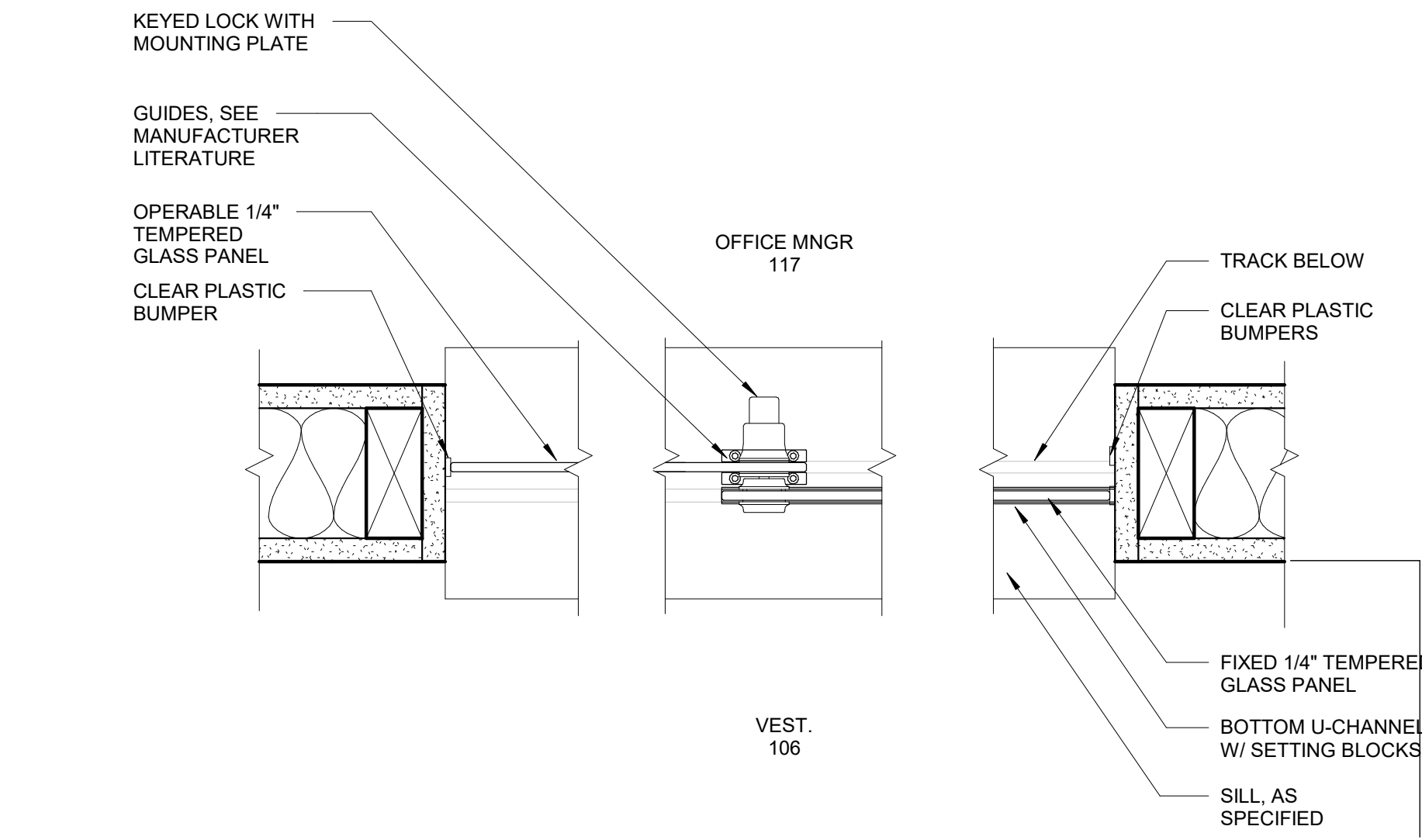
STATUS: ISSUED FOR BID BGS #3096

**WINDOW  
DETAILS**

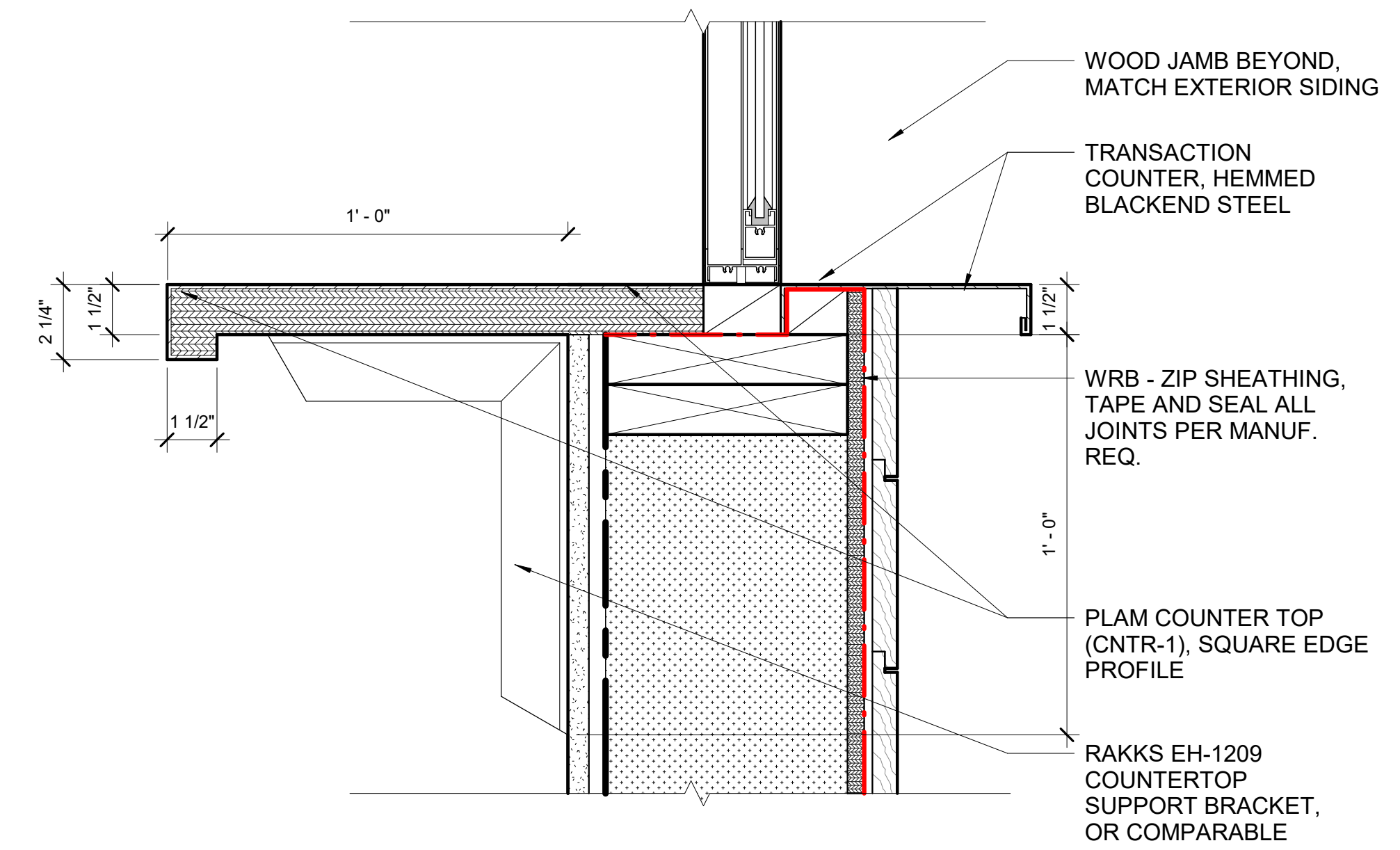
**A603**



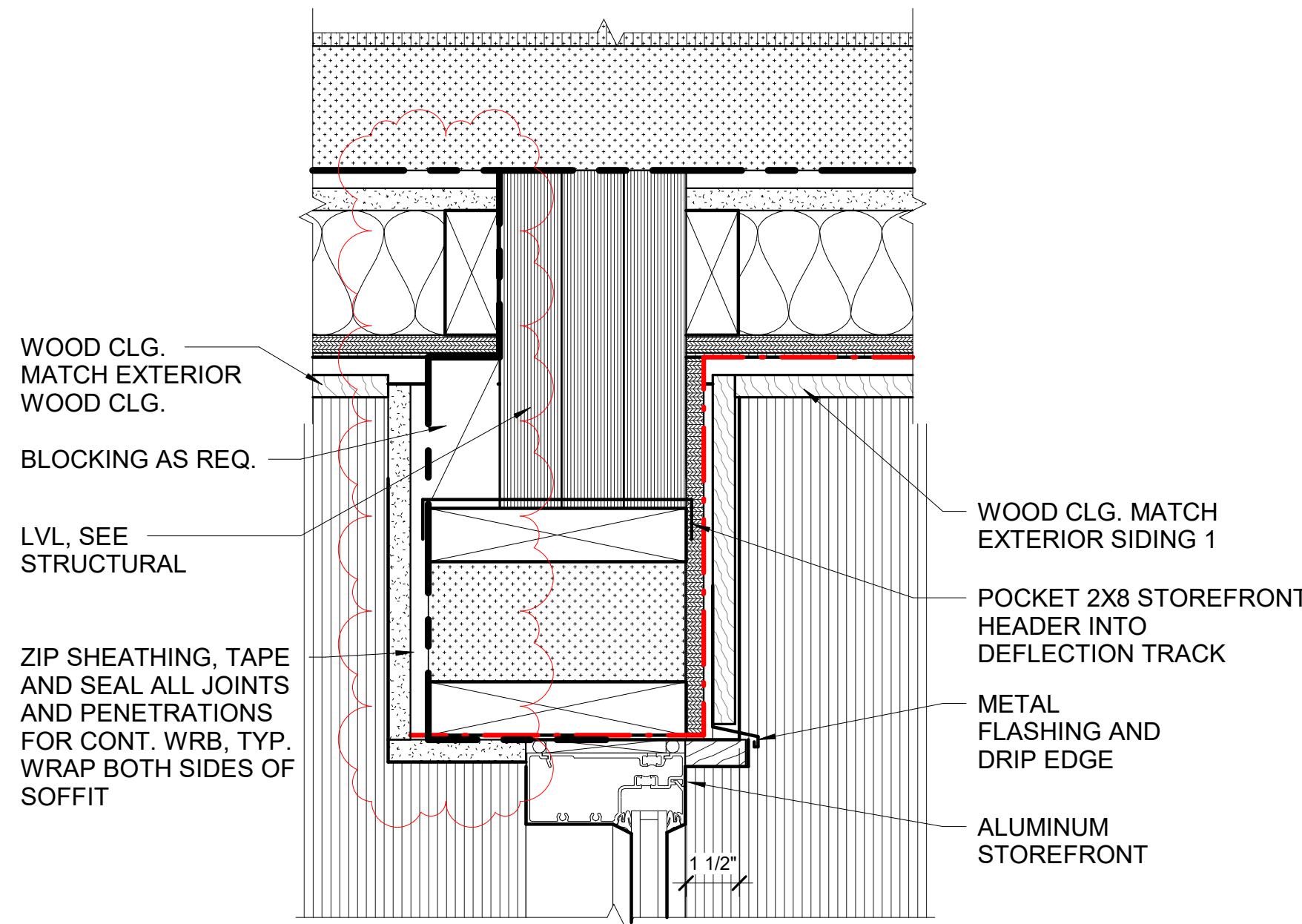
1 SILL + HEADER DETAIL @ PASS-THRU WINDOW  
3" = 1'-0"



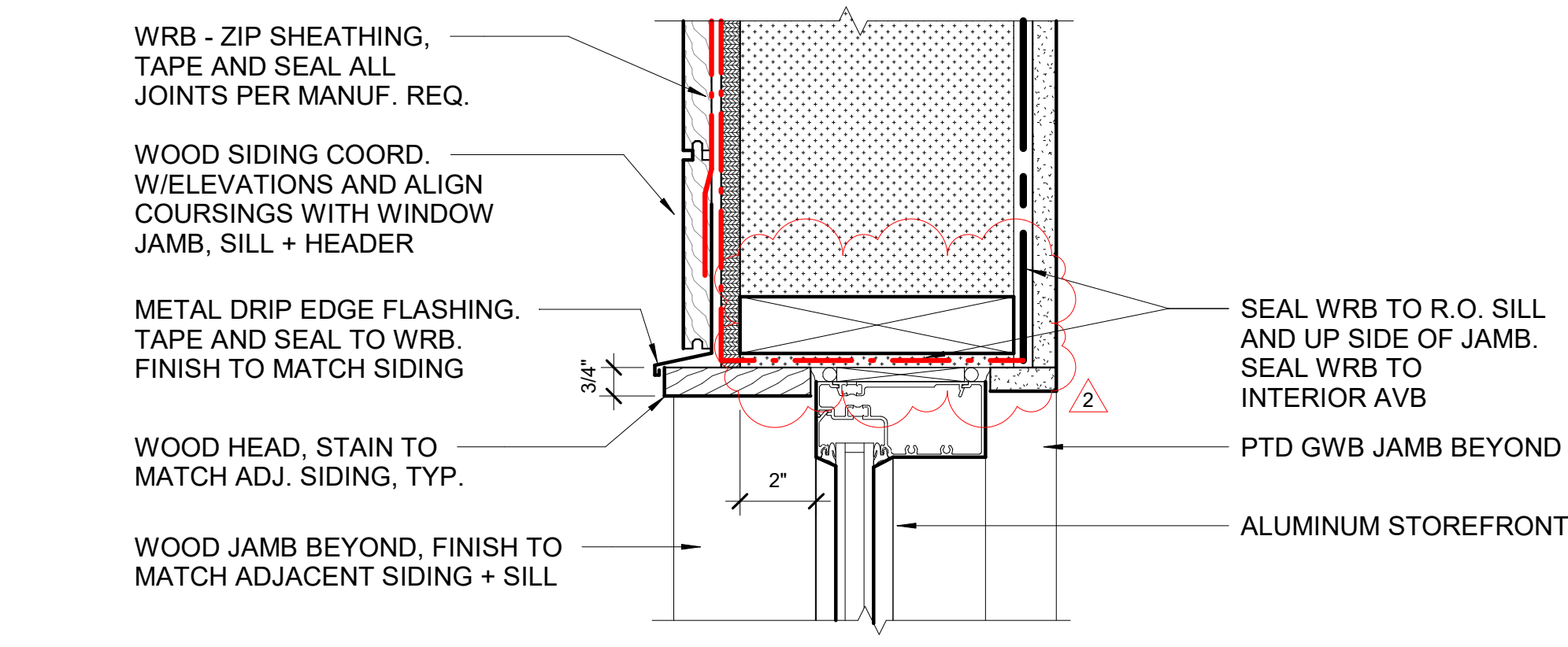
4 PLAN DETAIL @ PASS-THRU WINDOW  
3" = 1'-0"



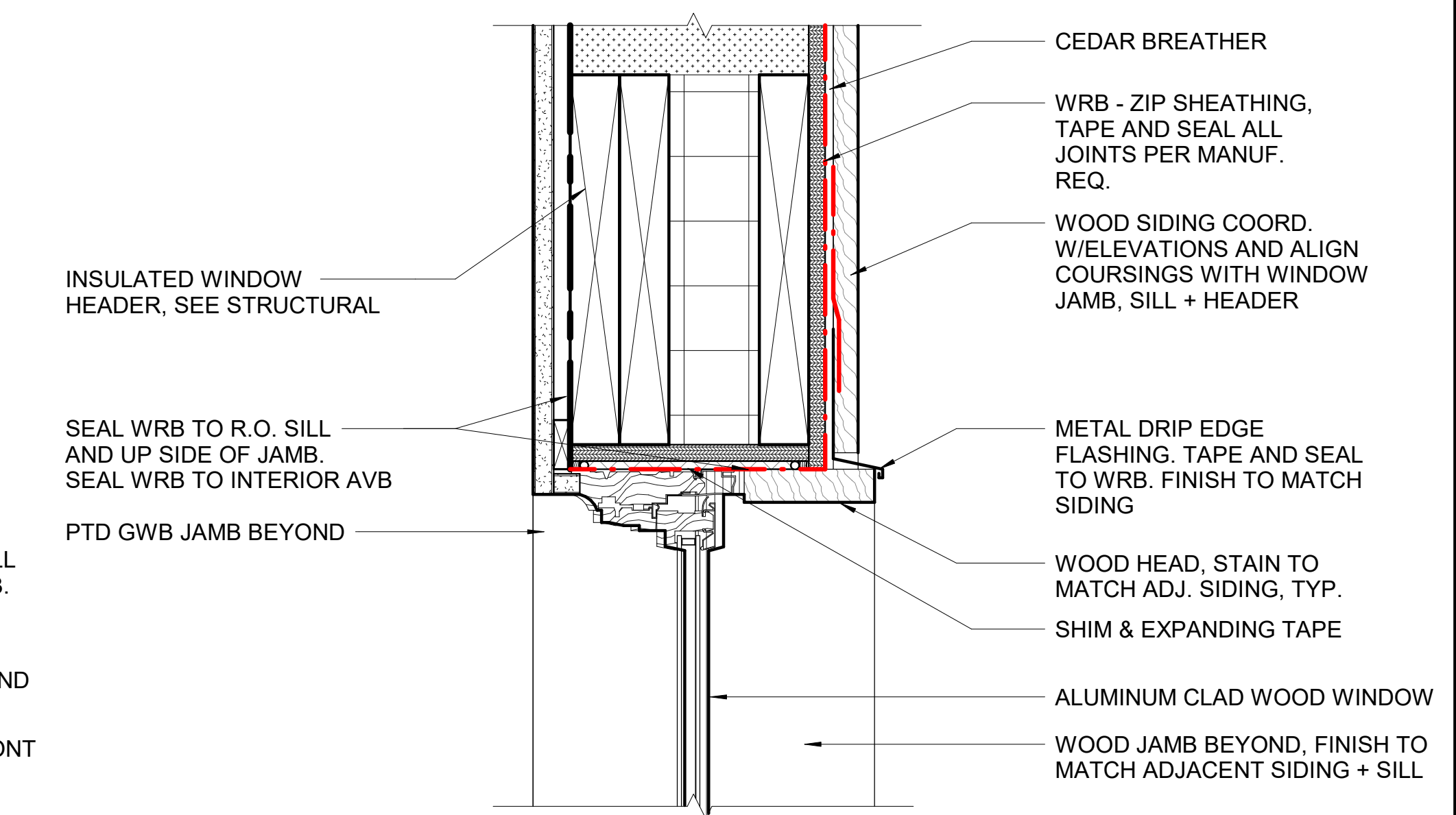
7 TICKETING COUNTER, TYP.  
3" = 1'-0"



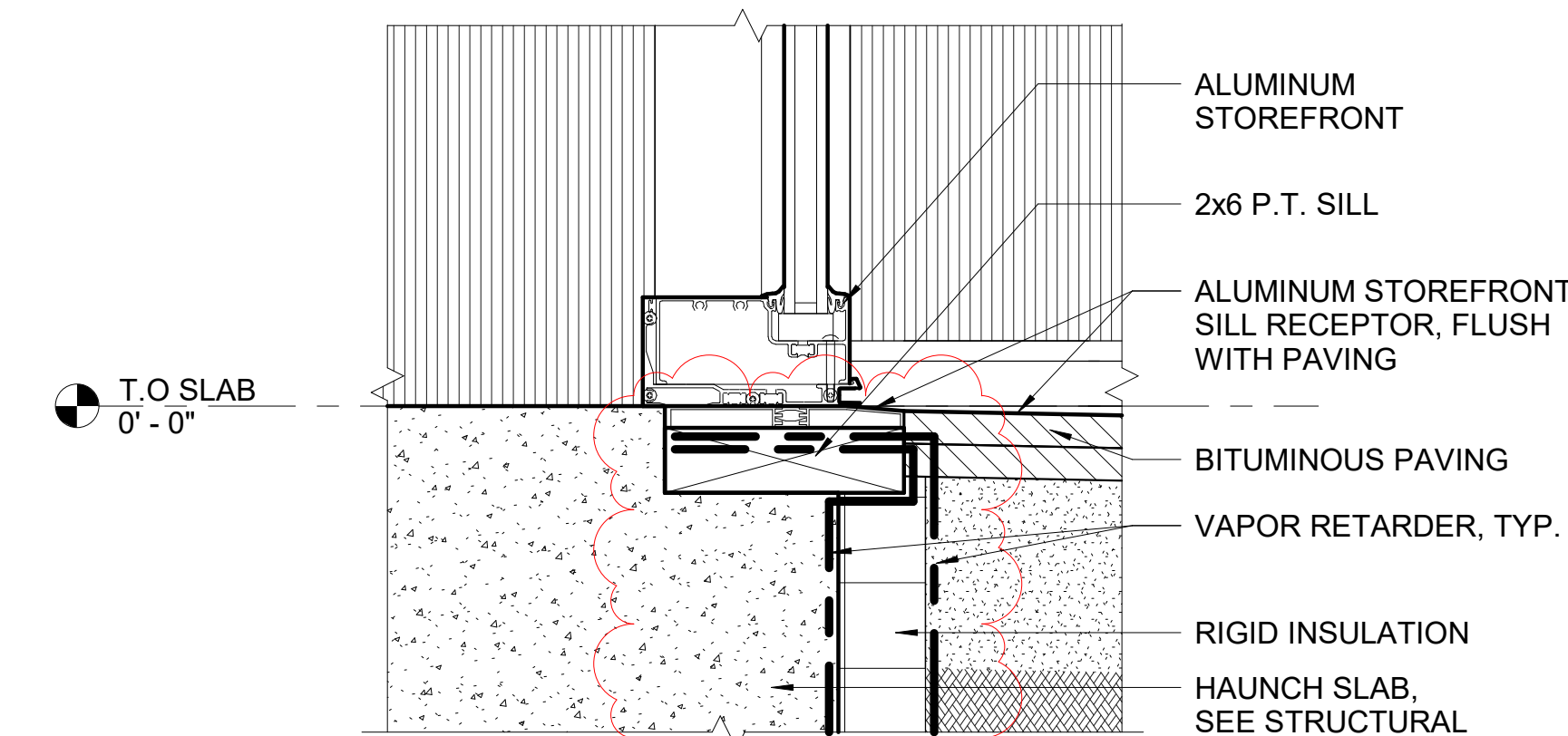
2 DETAIL AT STOREFRONT HEAD AT ADMIN  
3" = 1'-0"



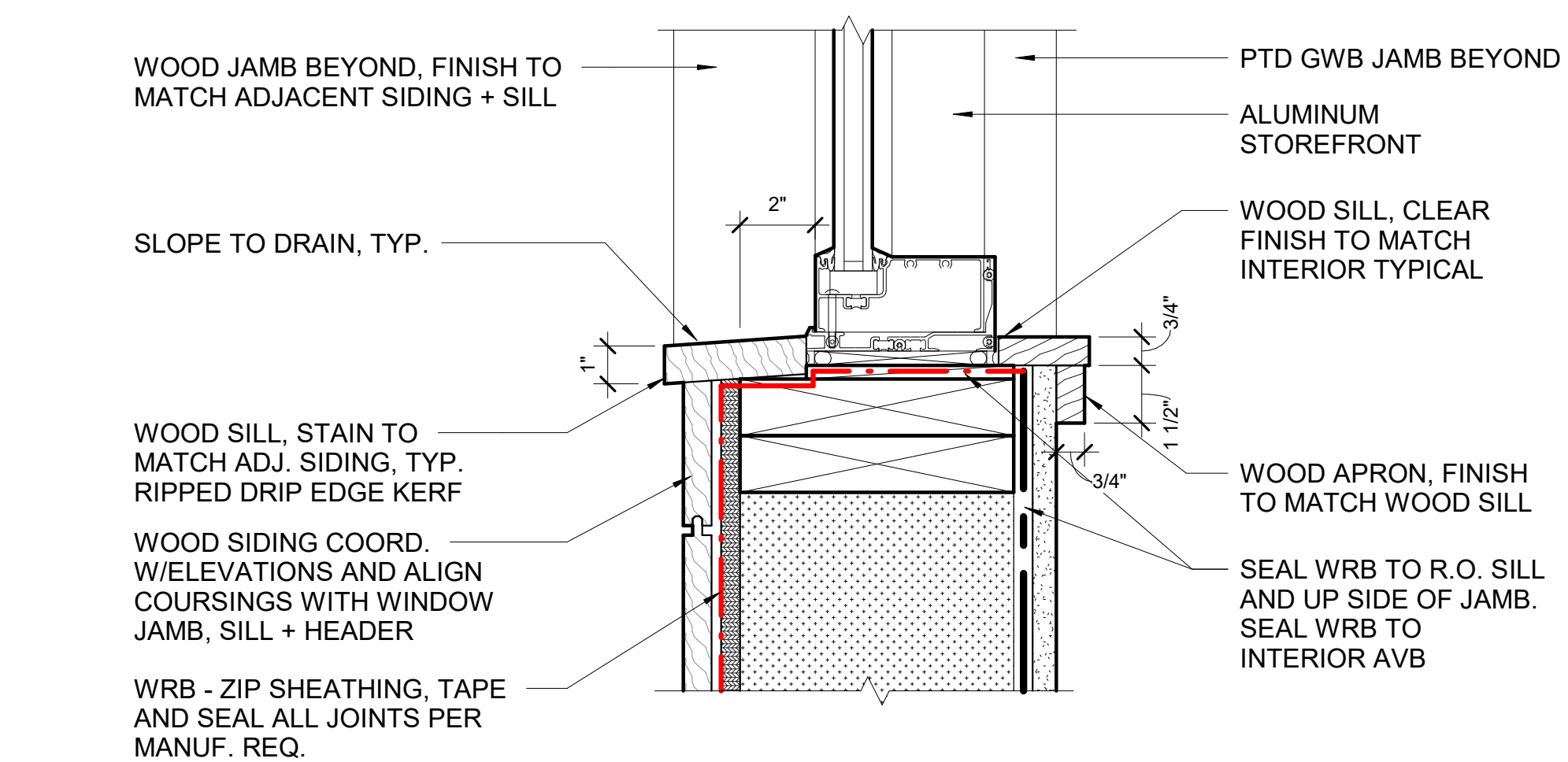
5 WINDOW HEAD AT TICKETING  
3" = 1'-0"



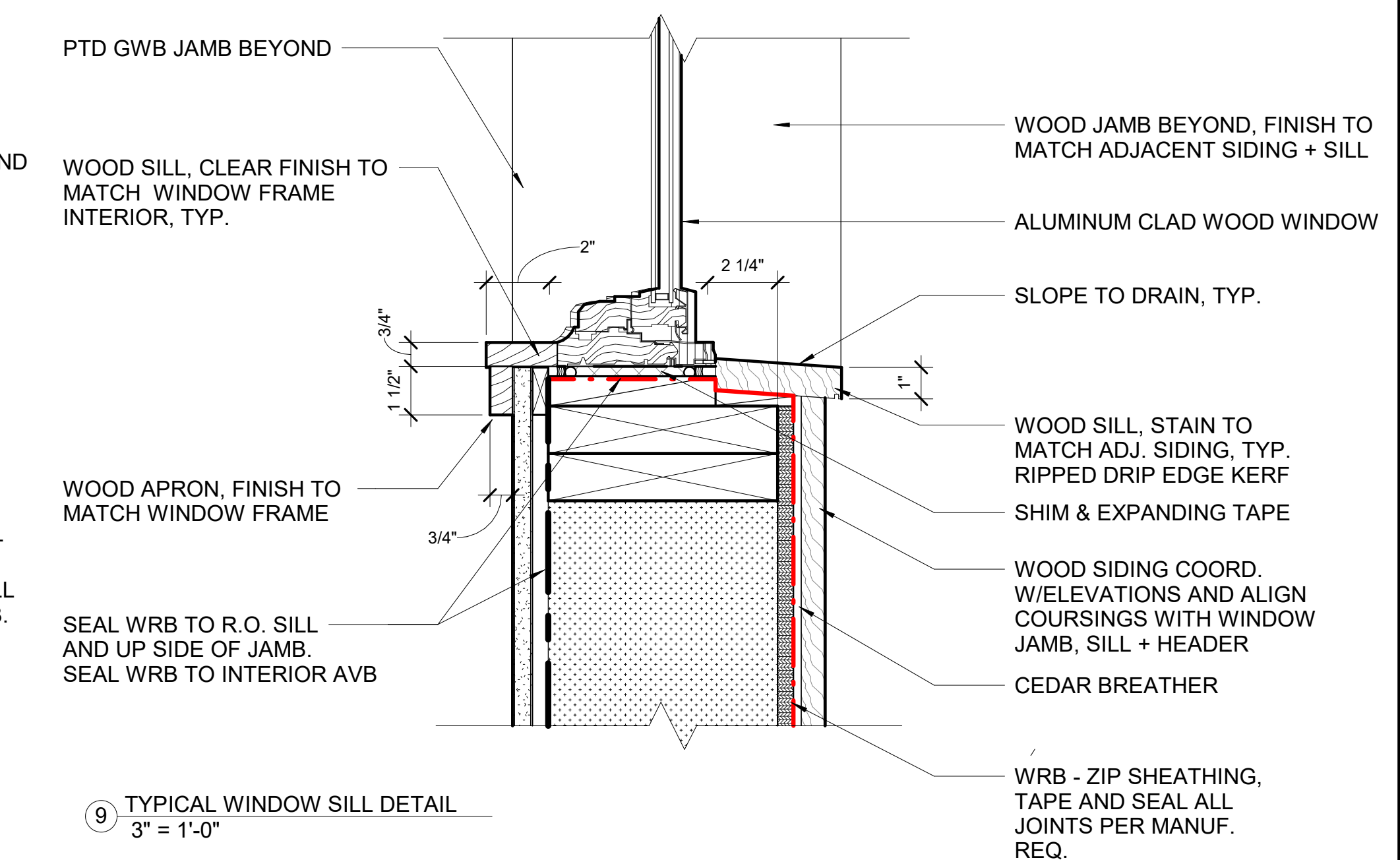
8 TYPICAL WINDOW HEADER DETAIL  
3" = 1'-0"



3 STOREFRONT THRESHOLD @ ADMIN  
3" = 1'-0"

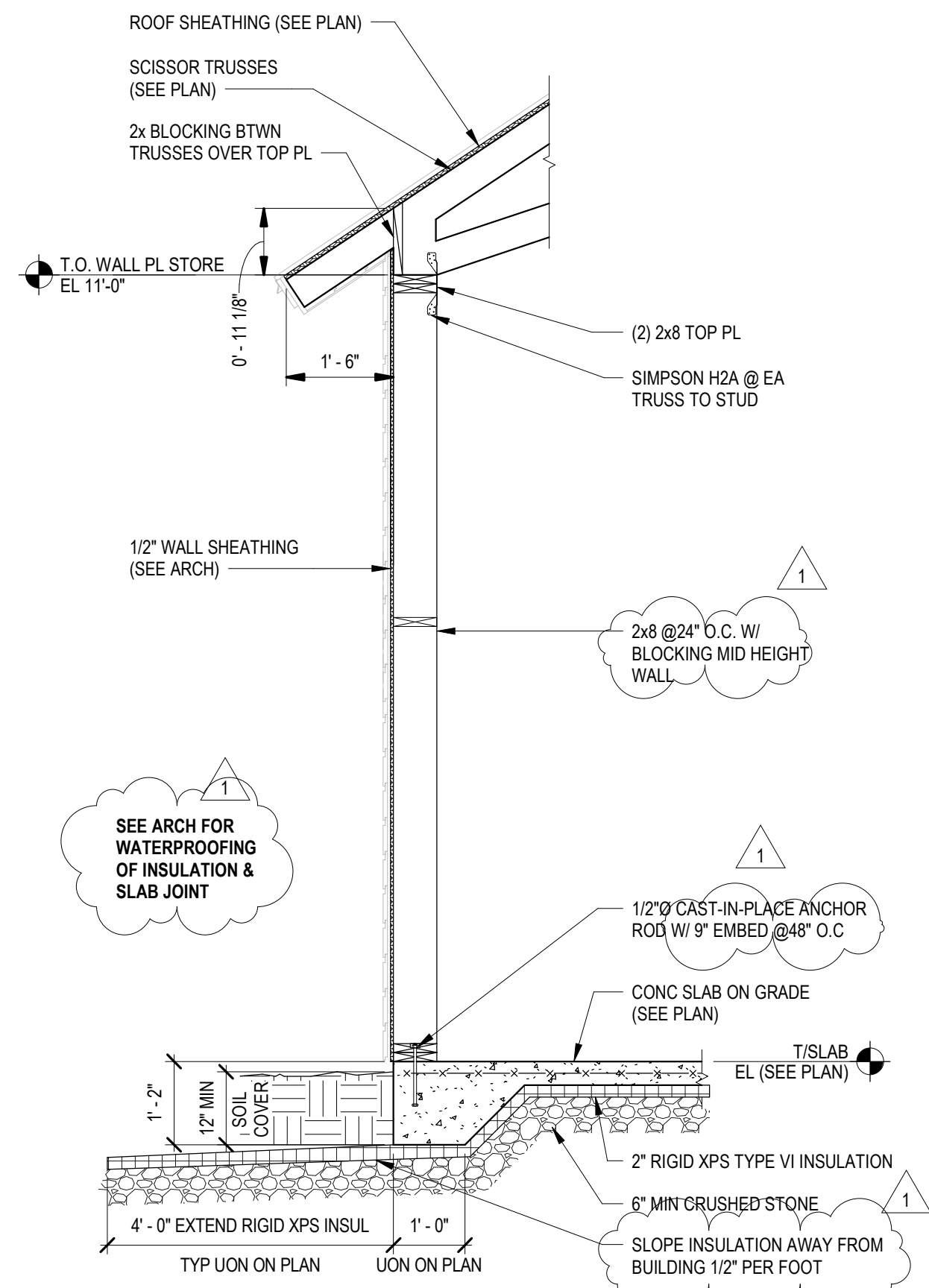


6 WINDOW SILL @ TICKETING  
3" = 1'-0"



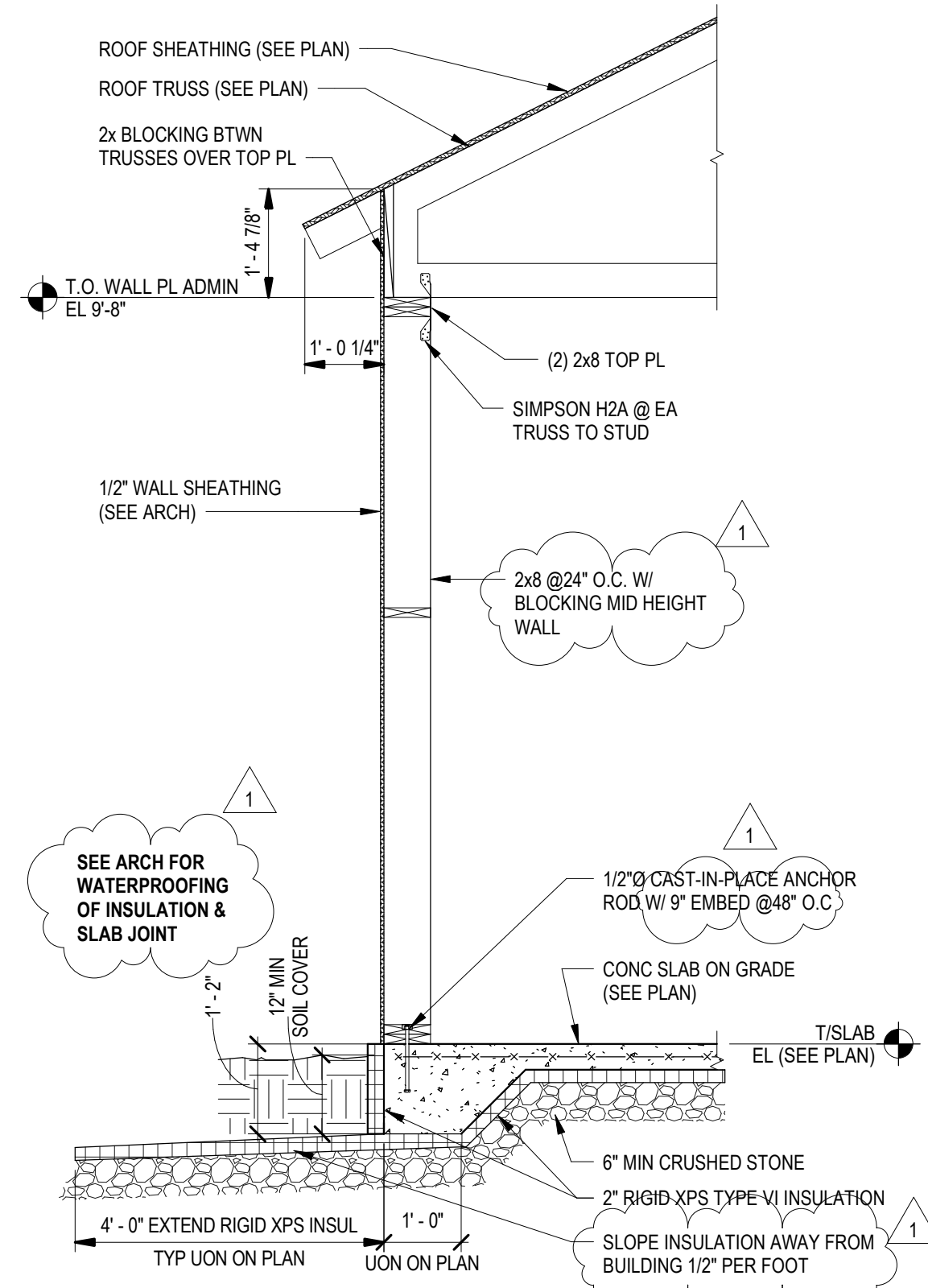
9 TYPICAL WINDOW SILL DETAIL  
3" = 1'-0"





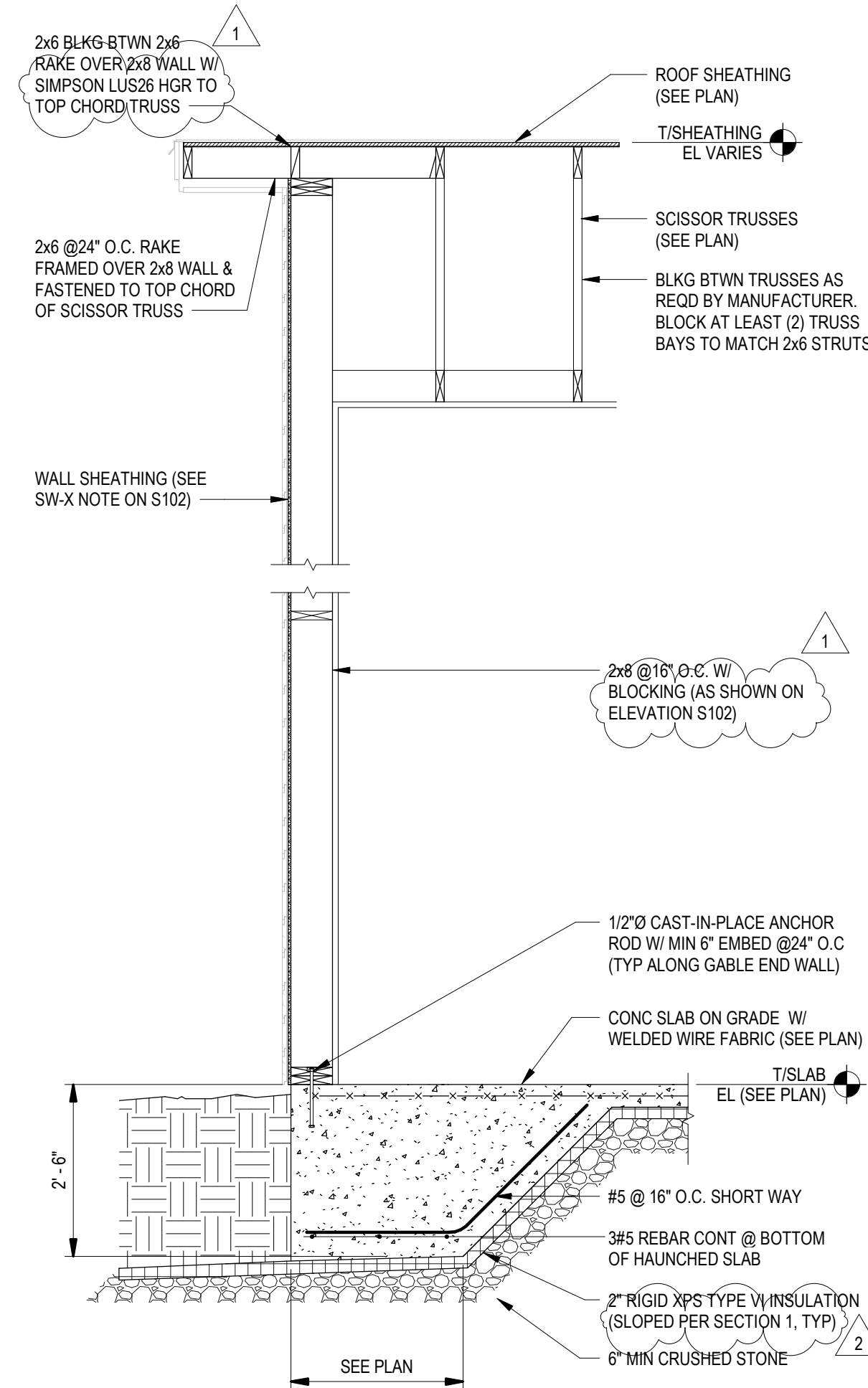
**1 TYPICAL WALL SECTION @ NATURE STORE**

SCALE: 1/2" = 1'-0"



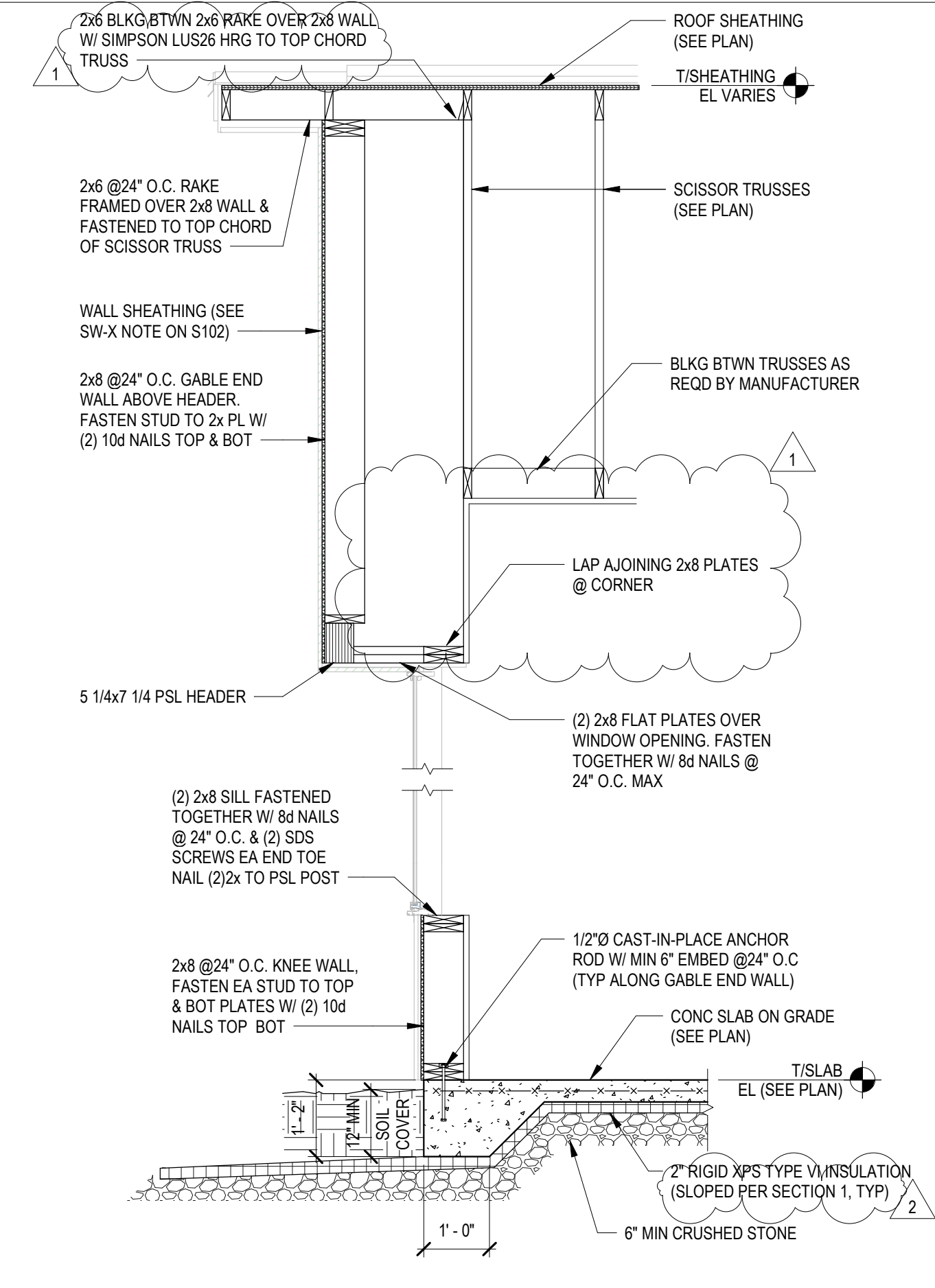
**2 TYPICAL WALL SECTION @ OFFICE**

SCALE: 1/2" = 1'-0"



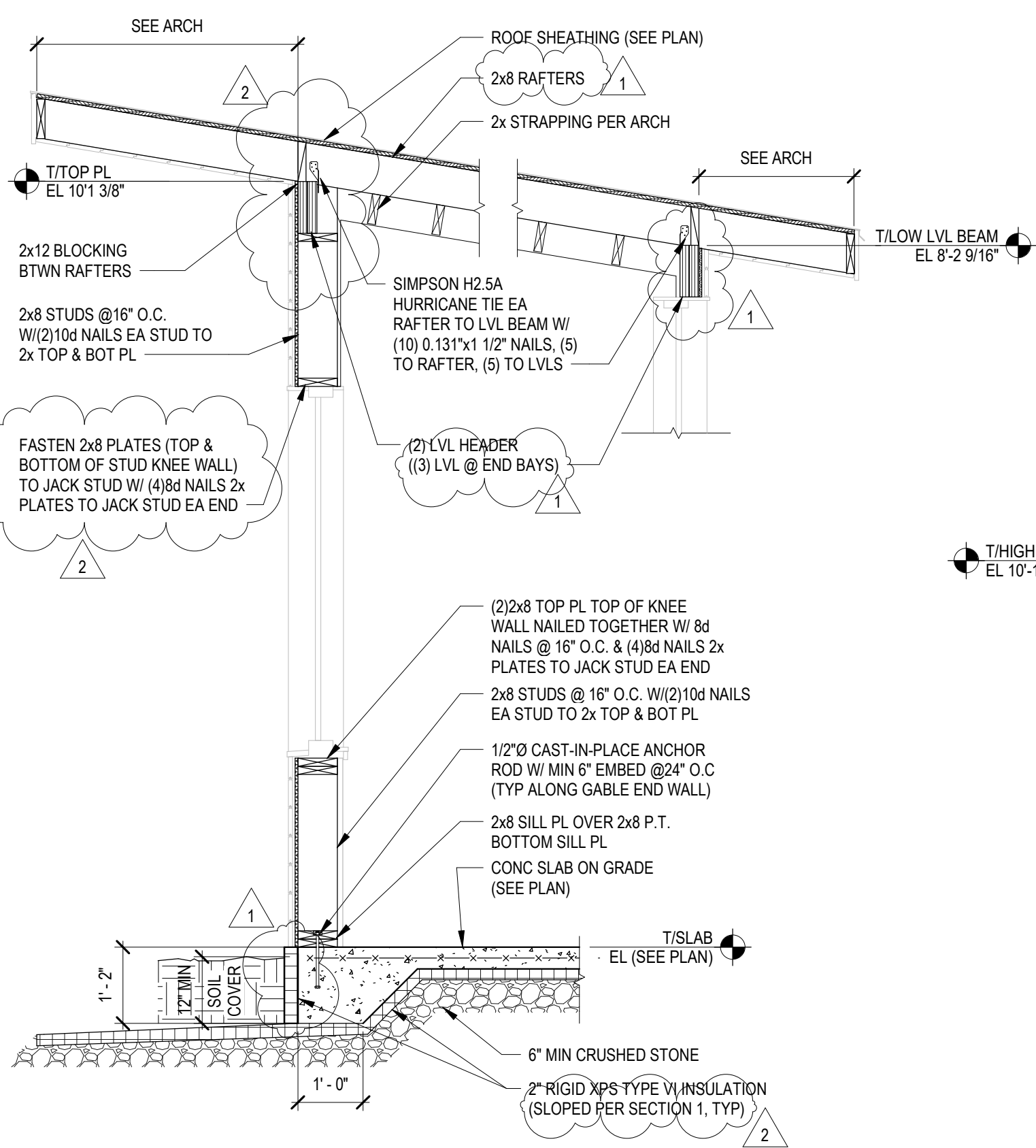
**3 GABLE ENDS WALLS AT NATURE STORE**

SCALE: 1/2" = 1'-0"



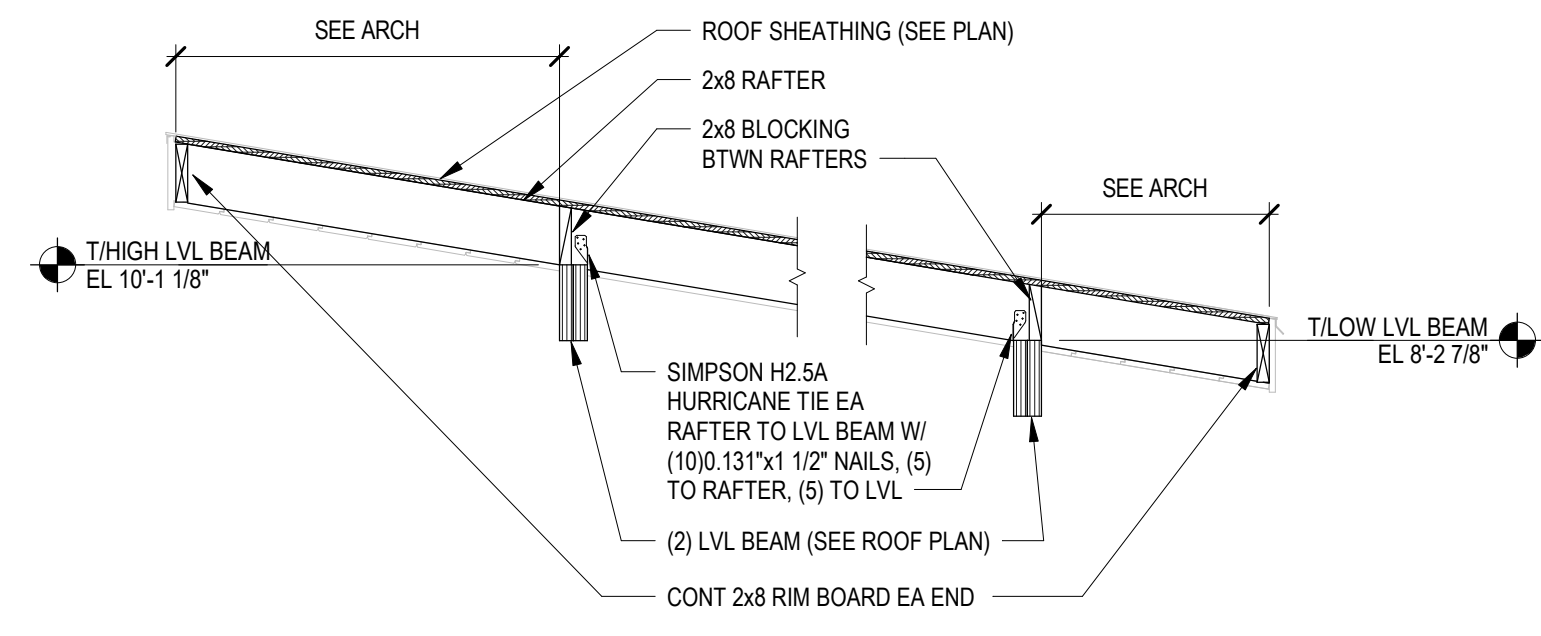
**4 GABLE END WALL SECTION AT NATURE STORE WINDOW**

SCALE: 1/2" = 1'-0"



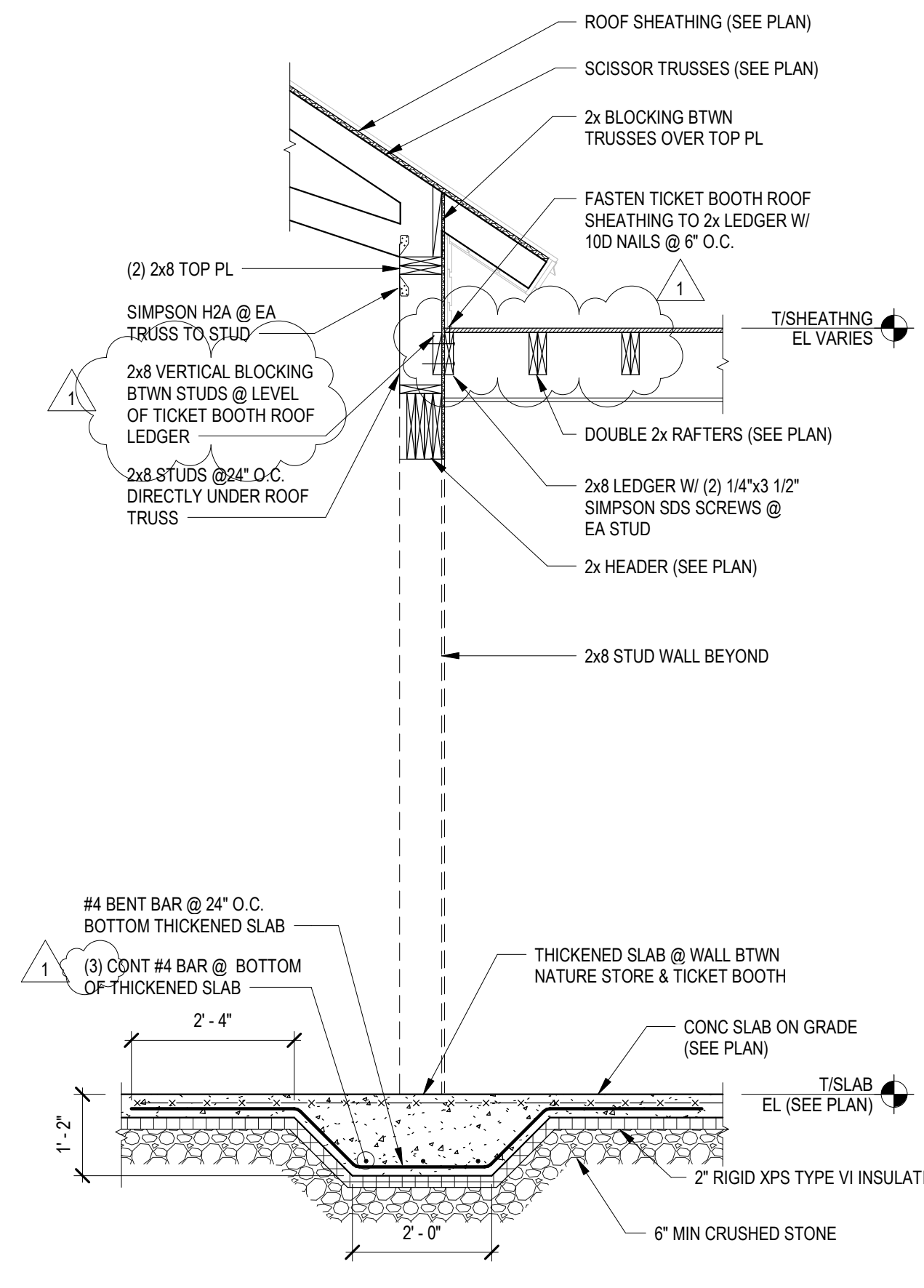
**5 SECTION AT TICKET BOOTH**

SCALE: 1/2" = 1'-0"



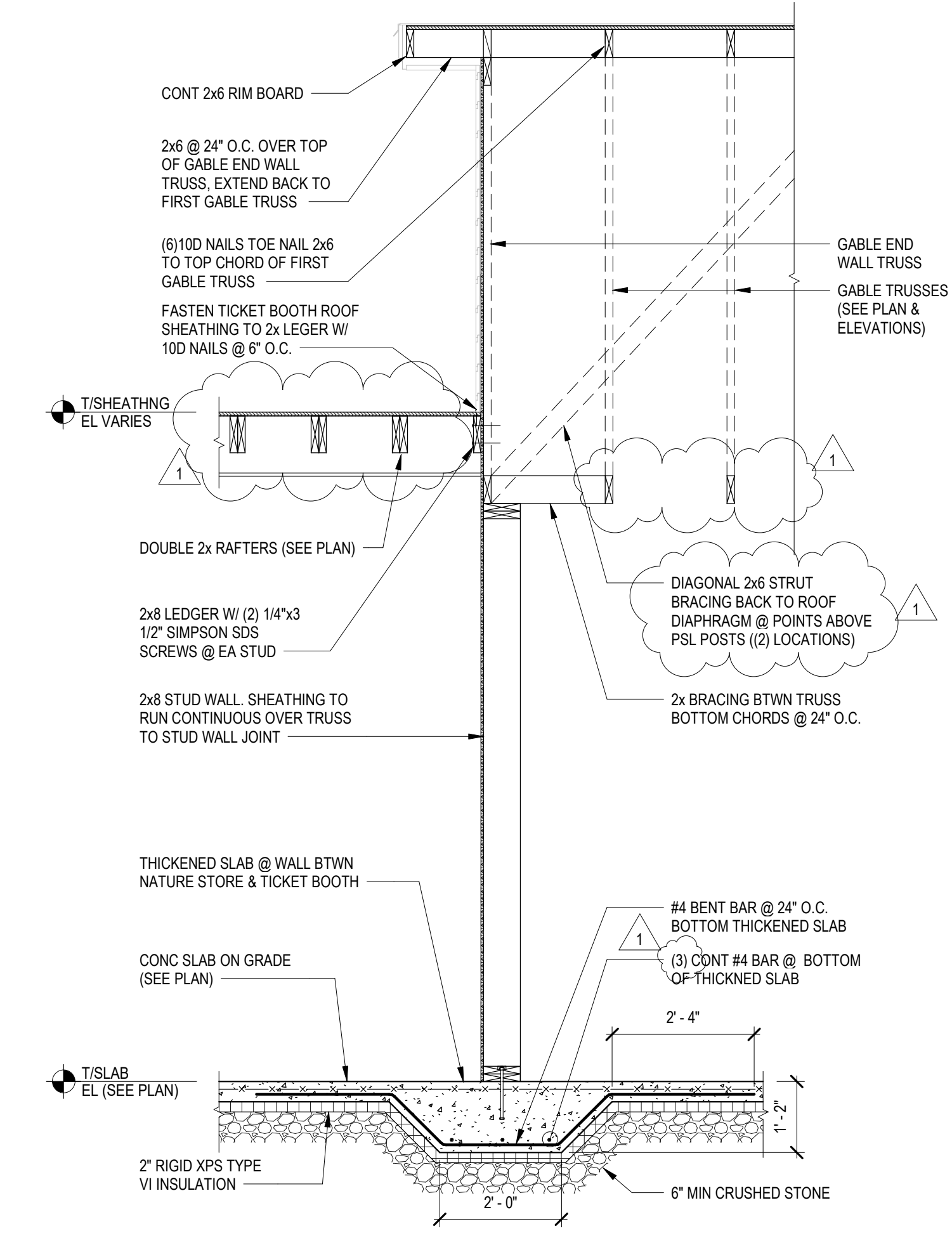
**5A OPEN FRAMING TICKET BOOTH**

SCALE: 1/2" = 1'-0"



**6 SECTION AT NATURE STORE TICKET BOOTH**

SCALE: 1/2" = 1'-0"



**7 SECTION AT OFFICE TICKET BOOTH**

SCALE: 1/2" = 1'-0"

PROJECT NAME:  
**IFW Visitor Center Redesign**

GRAY, MAINE

SEAL:

**NOT FOR CONSTRUCTION**

THIS DRAWING IS THE PROPERTY OF SIMONS ARCHITECTS (SA) AND IS NOT TO BE COPIED OR REPRODUCED IN PART OR WHOLE.  
2023 © SIMONS ARCHITECTS, LLC

REVISIONS	DATE
1 ADDENDUM 1	5/13/2024
2 ADDENDUM 2	5/24/2024

DATE OF ISSUE: 4/23/2024

PROJECT NUMBER: 2017-0110

STATUS: ISSUE FOR BID

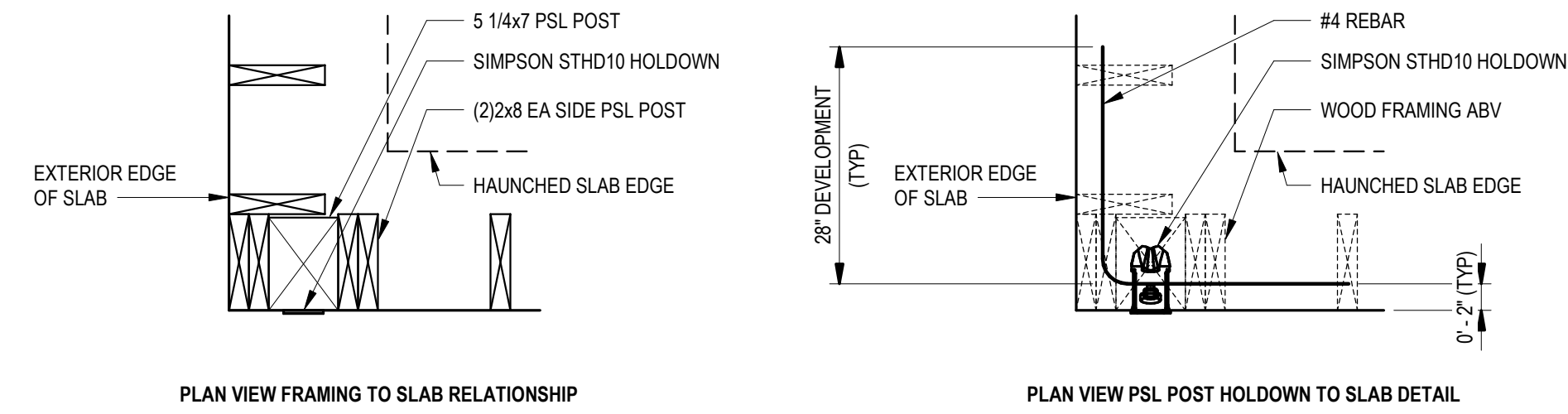
**WALL SECTIONS**

**S201**



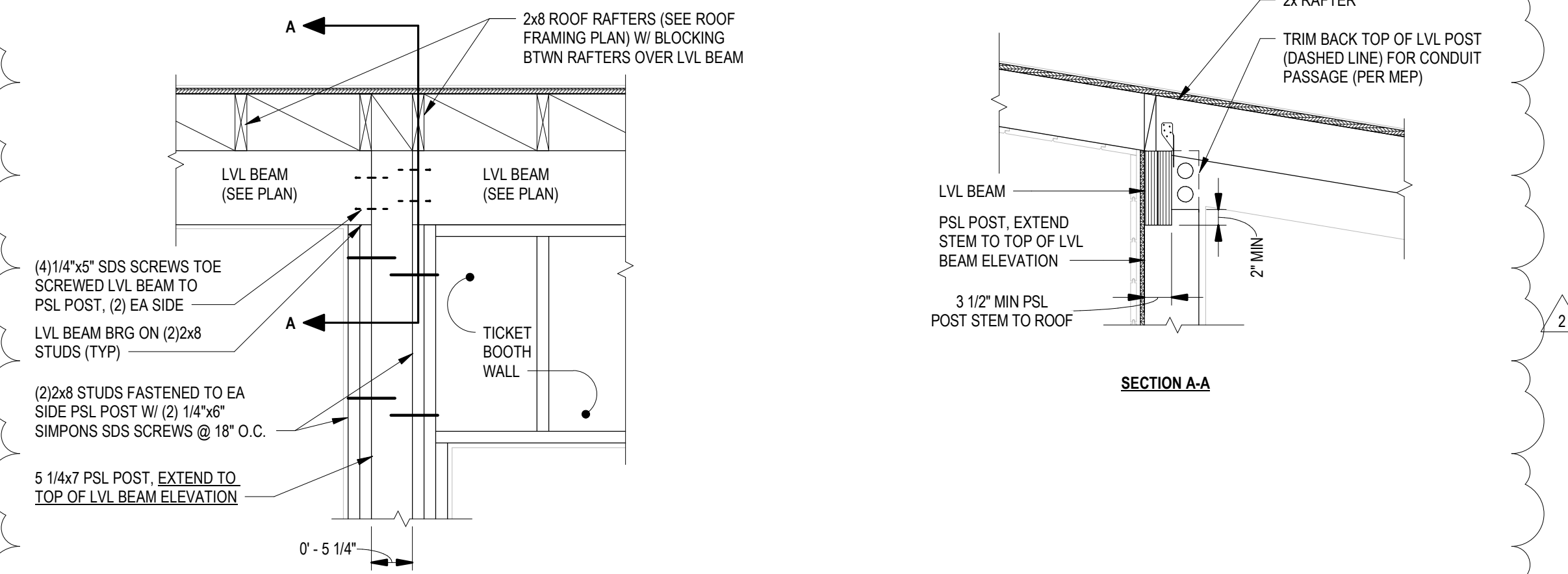
REVISIONS	
1	ADDENDUM 1 5/13/2024
2	ADDENDUM 2 5/24/2024

DATE OF ISSUE:	4/23/2024
PROJECT NUMBER:	2017-0110
STATUS:	ISSUE FOR BID



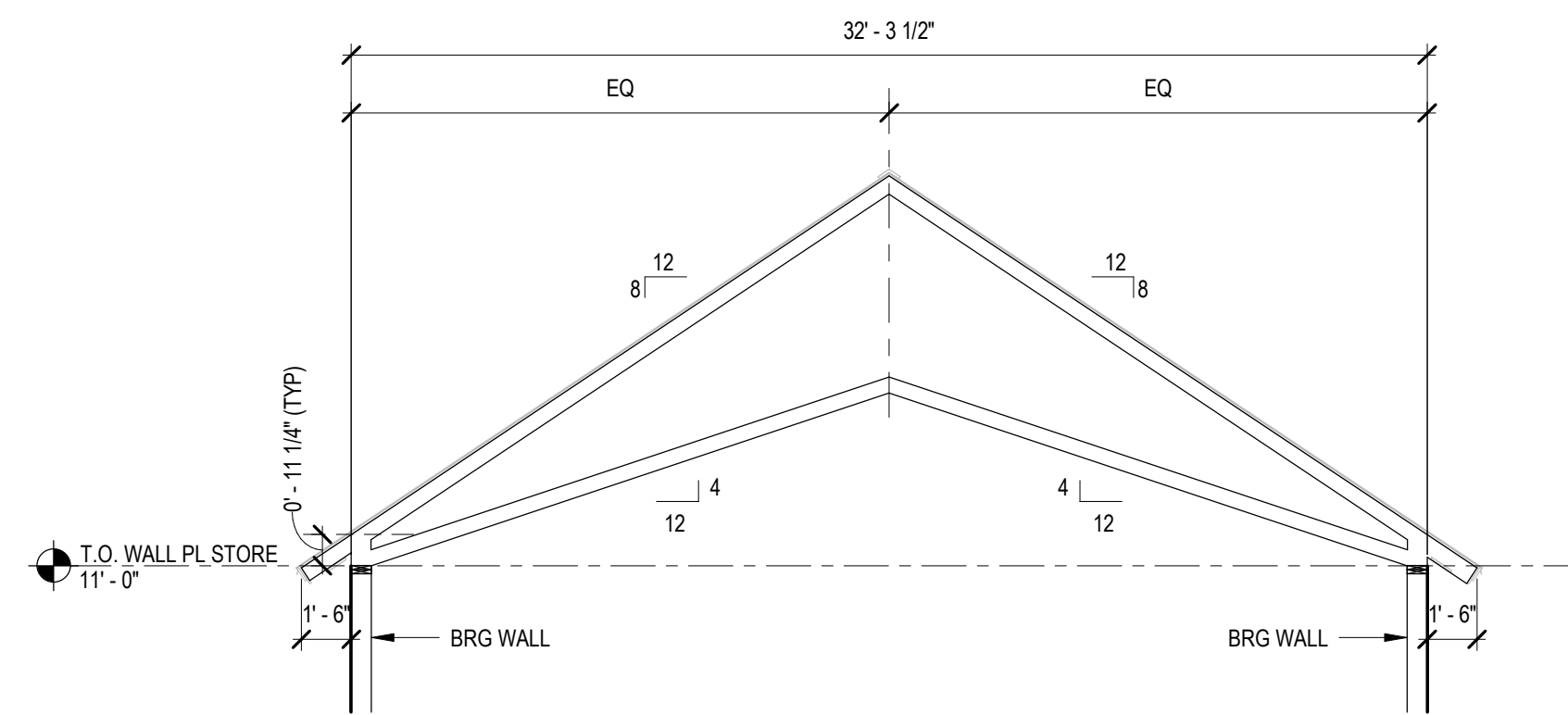
**1 PSL POST TO SLAB DETAIL**

SCALE: 1" = 1'-0"



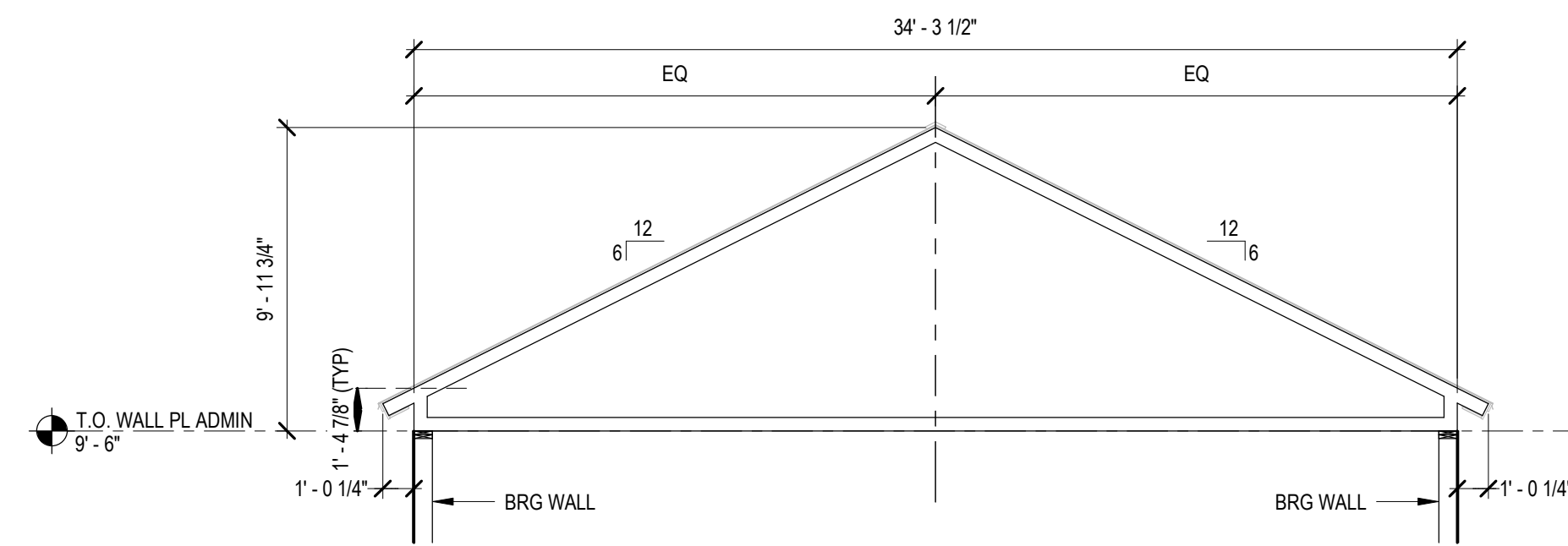
**2 LVL TO POST CONNECTION @ TICKET BOOTH**

SCALE: 3/4" = 1'-0"



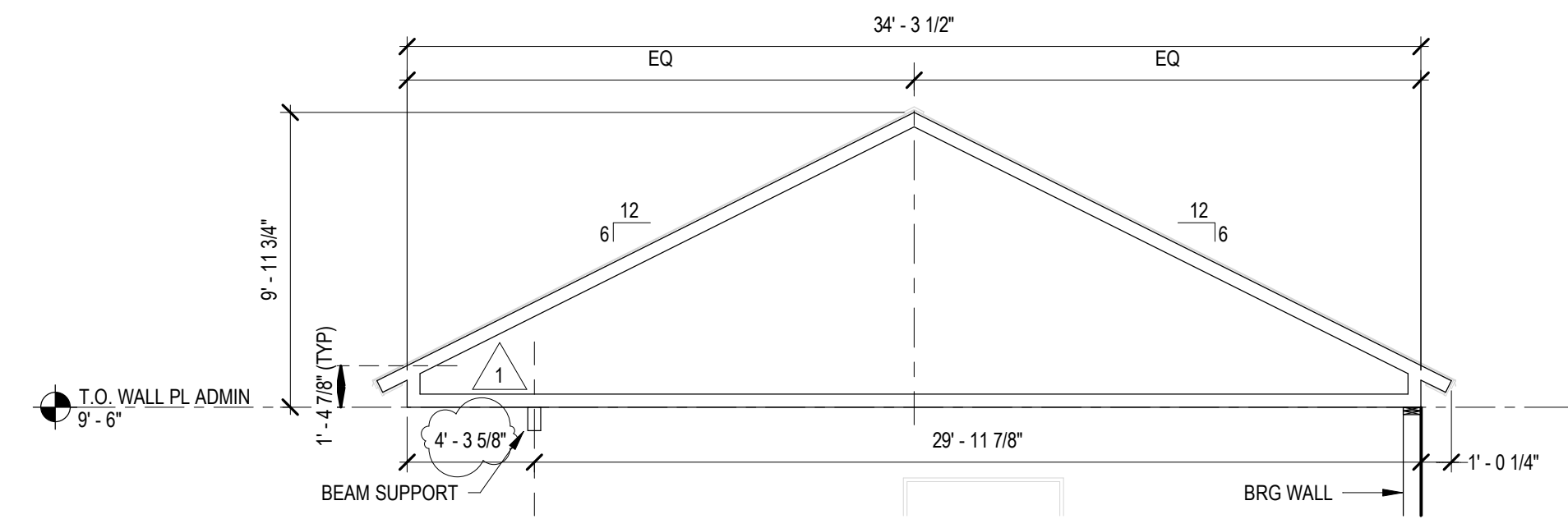
**3 TRUSS TYPE A - SCISSOR TRUSS**

SCALE: 3/16" = 1'-0"



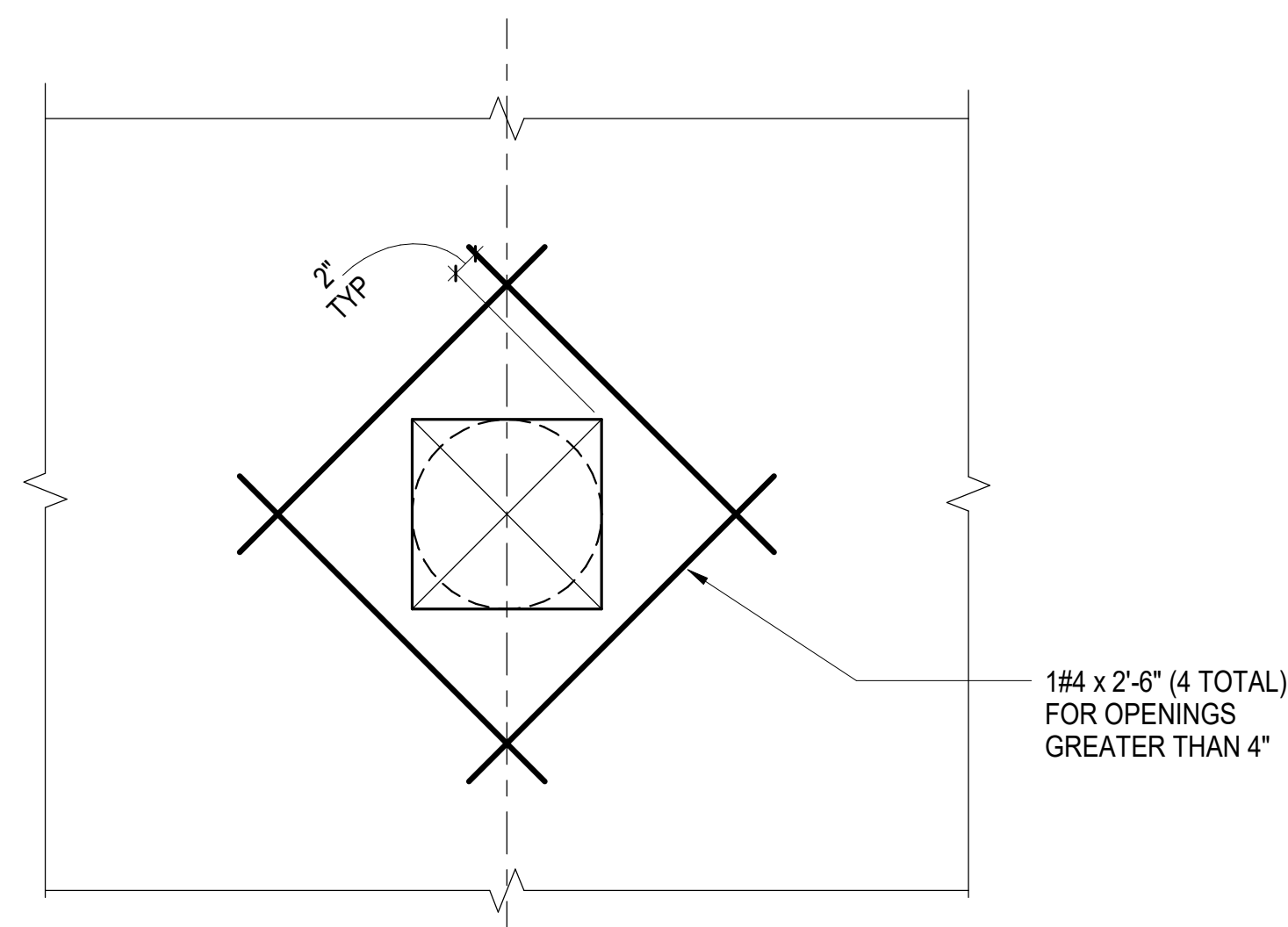
**4 TRUSS TYPE B - GABLE TRUSS**

SCALE: 3/16" = 1'-0"



**5 TRUSS TYPE C - GABLE TRUSS**

SCALE: 3/16" = 1'-0"

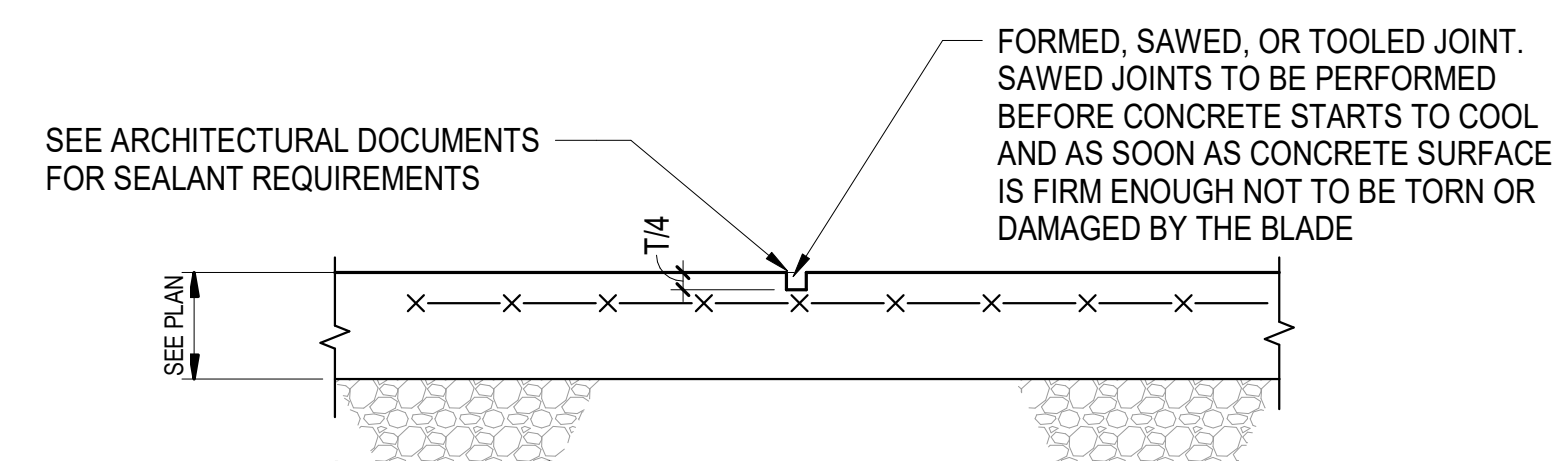


**NOTES:**

1. MINIMUM CLEAR DISTANCE BETWEEN OPENINGS IS 2 TIMES MAXIMUM OPENING SIZE
2. FOR OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS, CONTRACTOR TO SUBMIT LOCATIONS AND SPACING TO STRUCTURAL ENGINEER FOR WRITTEN APPROVAL

**6 TYP REINFORCEMENT OPENING IN SLAB**

SCALE: 1" = 1'-0"



**7 TYP DETAIL SLAB ON GRADE CONTRACTION JOINT**

SCALE: 1" = 1'-0"

**REBAR LAP SPLICE TABLE**

SIZE	LAP LENGTH
#3	30"
#4	36"
#5	48"

**8 REBAR LAP SPLICE SCHEDULE**

SCALE: 1" = 1'-0"