



COUNTY OF FLUVANNA, VIRGINIA
Invitation for Bid (IFB) #2021-01
FLUVANNA COUNTY – BASEMENT RENOVATION

Issue Date: September 3, 2020

Due Date: September 23, 2020 at 2 p.m. EST

Procurement & Technical Contact:

County of Fluvanna
Cyndi Toler, Purchasing Officer
132 Main Street
P.O. Box 540
Palmyra, VA 22963
Ph: (434) 591-1930 ext. 1124
Email: ctoler@fluvannacounty.org

All sealed bids shall be turned in no later than September 23, 2020, at 2:00 p.m. EST.

- All Bids that are delivered via mail or are hand delivered must be addressed to the “Procurement Contact” listed above.
- Any Proposals sent in via facsimile, telephone, or email shall not be considered.
- Any Proposals that are turned in late will be rejected and returned unopened.

Bid documents may be picked up at the Fluvanna County Department of Finance located at 132 Main Street, 2nd floor, Palmyra, VA 22963 or by clicking on the following link: <https://www.fluvannacounty.org/rfps>.

1. GENERAL INFORMATION

- A. By this Invitation for Bids (“IFB”), the Fluvanna County Board of Supervisors (hereinafter the “County”) is seeking competitive sealed bids from qualified licensed contractors (herein referred to interchangeably as “Contractor” or “Bidder”) to establish a firm fixed price contract with Contractor to furnish, deliver, supply and install all necessary labor and materials associated with the remodel and renovation of the Administration Building Basement (the “Basement”) and complete any and all necessary or appropriate associated work at the site (“Site Work”) or other work in accordance with the specifications, Plans (as defined below), or terms and conditions stated herein. Collectively, the work on the Basement, Site Work and any other work required by the Plans or this IFB is referred to herein as the “Project” or the “Renovation” interchangeably.
- B. The Renovation and Site Work will be completed at the Fluvanna County Administration Building addressed as 132 Main Street, Palmyra, Virginia 22963 (the “Property”) in strict conformance to the Plans (as defined below). The Renovation must be constructed and completed in strict conformance with those plans of Crabtree, Rohrbaugh & Associates, dated August 28, 2020, entitled “ADDITION AND RENOVATIONS– MULTIPURPOSE ROOM” which are attached hereto as **Exhibit 1** and incorporated herein as a material part of this IFB (referred to herein interchangeably as the “Plans” or “Exhibit 1”).
- C. The County intends to issue an amendment to this IFB to address additional Work required for the Renovation generally related to the exterior of the building. Such additional Work will be set out in plans which when issued will become a material part of the “Plans” and “Exhibit 1” as defined herein; and such additional Work will be part of the “Renovation” or “Project” as defined herein.
- D. The County received certain CARES Act funds and the CARES Act requires that the payments from the Coronavirus Relief Fund only be used to cover expenses that: (i) are necessary expenditures incurred due to the public health emergency with respect to COVID–19; (ii) were not accounted for in the budget most recently approved as of March 27, 2020 (the date of enactment of the CARES Act) for the State or government; (iii) were incurred during the period that begins on March 1, 2020, and ends on December 30, 2020; and (iv) meet all other requirements of the CARES Act and applicable law related thereto (the “CARES Act Requirements”). The Renovation is being completed for purposes of holding Board and other meetings to allow for a larger meeting space suitable for social distancing, to improve air flow and for other safety considerations particular to the public health emergency known as COVID-19 (the “Safety Considerations”), and the County will be using CARES Act funds the County received to pay the winning Contractor for the work on the Renovation. Therefore, the **Project MUST be finally substantially complete on or before November 30, 2020 (the “Substantial Completion Date”)** and **finally completed and acceptable to the reasonable satisfaction of the County on or before December 11,, 2020 (the “Final Completion Date”)**; as all funds under the CARES Act MUST be used not later than December 30, 2020. All Project deadlines and milestones under any Contract resulting from this IFB shall be time of the essence.

2. PRE-BID CONFERENCE

- A. A mandatory pre-bid conference will be held on Wednesday, the 9th day of September, 2020 at 3 p.m. at the Fluvanna County Administration Building Basement, 132 Main Street, Palmyra, VA 22963.
 - B. At the pre-bid conference Bidders will be allowed to inspect and analyze the Basement, current environment, site, and collect further data in determination of their ability to perform the work required on the Project. The Bidder shall be presumed to have made a reasonable inspection of the Basement, Property and site before the time of Bid submission and shall be held responsible for all information available through such inspections; and submission of a Bid will be a confirmation that the Bidder did make a site inspection and is aware of all conditions affecting performance and price(s) submitted. The County may determine in its sole discretion that a second pre-bid conference is necessary. The date and time of any such second pre-bid conference will be disclosed in an amendment to this IFB.
 - C. Any inquiries or requests for clarification or additional information must be delivered in writing (via email) to the County no later than September 11, 2020 by 10:00am to the following email address: ctoler@fluvannacounty.org. All inquiries will be answered via an addendum, posted to eVA and the County website. Should a Bidder find discrepancies in the Plans, plans and/or specifications or be in doubt as to the meaning or intent of any part thereof, the Bidder must request clarification from the County in writing by the deadline started herein. Failure to request such a clarification is a waiver of any claim by the Bidder for additional expenses because its interpretation was different than the County's interpretation.
- 3. SCOPE OF WORK:** Contractor shall provide, furnish, deliver, supply and install, all necessary or appropriate labor, services, parts, tools, materials, equipment, items and resources as may be required to complete the work on the Project (the "Scope of Work" or the "work"), in accordance with the Plans, specifications and terms and conditions stated herein, which Scope of Work, shall include at minimum, but is not limited to, all of the following:
- A. **Contractor Minimum Requirements:** The Contractor must meet the following performance standards.
 - i. The Contractor should have, at a minimum, a current Class "A" Contractor's license as issued by the Commonwealth of Virginia Board of Contractors, Department of Professional and Occupational Regulation, and a copy of the license must be attached to the Bidder's Bid.
 - ii. The Contractor shall possess the appropriate contractor's license(s) with the specific specialty services as recognized by the Virginia Board for Contractors, Department of Professional and Occupational Regulation to perform electrical, roofing and any other services required for the work on the Project, and copies of the license(s) must be attached to the Bidder's Bid.
 - iii. The Contractor's firm should have been in business providing similar services promulgated in this solicitation for a minimum of five (5) consecutive years.
 - iv. The Contractor shall be responsible for providing quality contractor, HAVC, electrical and other services required for the performance of any work on the Project in accordance with best industry standards, Plans, directions and instruction as provided hereunder and in any resulting Contract.
 - v. All equipment, materials and installation work provided as a part of the Project shall conform to the Virginia Uniform Statewide Building Codes, National Electrical Code, OSHA, and the specifications of this IFB.

- vi. Contractor(s) shall report any safety concerns, near misses, accidents and injuries related to the work area to the County immediately.
- vii. Contractor(s) shall warrant, replace, or repair any defective product, materials, installation or services on the Project for a minimum of five (5) years from County's acceptance of any work or services hereunder on the Project at no additional cost. County shall be deemed to have accepted services hereunder only after receipt of a proper and detailed invoice from Contractor for all of the work on the Project and payment by the County to Contractor in full on such invoice.
- viii. Contractor(s) shall respond to emergency warranty repairs within one (1) day and shall respond to routine warranty repairs within three (3) business days.
- ix. In addition to all other warranties required hereunder, the Contractor shall transfer and assign to the County any and all warranties or similar guarantees for any materials or products provided by Contractor to the County hereunder.
- x. **Personnel for Electric Services:**
 - 1. Contractor(s) shall perform all electrical work on the Project under the supervision of a qualified master electrician. A qualified master electrician shall be a licensed electrician graduated from an accredited school or program and shall have five (5) years plus of practical experience in planning, laying out, and supervising the installation and repair of wiring, apparatus, or equipment for electrical components regulated by the Virginia Uniform Statewide Building Code and any other applicable electrical regulations. Contractors shall provide a copy of their Class A Electrical Contractor certification and a copy of their Master Electrician license. Contractor(s) shall assure that all employees who will be performing work receive any required training necessary to perform the work. All helpers, assistants, and apprentices shall operate under the supervision of a journeyman or master electrician. The County reserves the right to review any Contractor(s) training documentation.
 - 2. Journeyman Electricians provided by the Contractor should have a minimum of three (3) years of experience performing electrical services in accordance with manufacturer's best practices and must be supervised by a Master Electrician.
- xi. **Performance and payment Bond Required:** Consistent with Virginia Code Section 2.2-4337, prior to execution of any contract the County will require the winning bidder to deliver a performance and payment bond in an amount equal to the contract price from an insurer licensed in Virginia.
 - 1. **Bond Forms.** The form of bonds which will be required of a Contractor awarded work on the Project are attached hereto as **Exhibit 3**.
 - 2. **Verification of Bonding Capability.** Bidder shall include in their bid a letter from a surety or insurance company (with a Best's Financial Strength Rating A or better and Financial Size Category VII or higher by A.M. Best Co.) stating that the Bidder is capable of obtaining a performance and payment bond based on the Bidder's estimated contract value for the construction of the Project, which bonds will cover the Project and any warranty periods. The letter of surety shall clearly state the rating categorization noted above and reference the estimated contract value as identified herein, in a manner similar to the notation provided below: "As surety for [the above named Contractor], [XYZ Company] with A.M. Best Financial Strength Rating [rating] and Financial Size Category [Size Category] is capable of obtaining 100% Performance Bond and 100% Labor and Materials Payment Bond in the amount of the anticipated cost of construction, and said bonds will cover the Project and any warranty periods as provided for in the Contract Documents on behalf of the Contractor, in the event that such firm be the successful bidder and enter into

a contract for this Project.” This letter shall also state the Bidder’s per project and total bonding program limits and that the Surety is authorized/licensed to do business in the Commonwealth of Virginia. The surety providing a winning Contractor’s bonds must meet all the requirements stated herein (including, without limitation, financial strength rating, size category, and licensure in Virginia).

- xii. Bidders must demonstrate that they have the resources and capability to provide the materials and services as described herein.
- xiii. **Debarment Certification:** By signing the Pricing Page (Attachment E) contained in the IFB, bidders are certifying that bidder is not currently debarred by any local or state government or the Federal Government. Bidders shall provide in their bid, documentation related to all debarments that occurred within the last ten (10) years.
- xiv. **Project Specific References:** Contractor submitting a bid must demonstrate extensive successful experience in the construction of public safety facilities similar in scope to the Project and the specifications contained herein. To demonstrate this experience, provide a minimum of four (4) project references that have been completed within (15) fifteen years from the date of this IFB. Project references that are for the construction of renovations of public spaces are preferred, however, all project references provided must demonstrate successful experience in the type of construction required for this Project. Preferably, at minimum two (2) of the references should be for the construction of renovations of meeting spaces for government bodies similar to this Project. The other references may be for the similar renovations of buildings that includes some or all of the characteristics of the Project. All client references for renovations of meeting spaces or similar projects completed for the Commonwealth of Virginia or a public body of the Commonwealth of Virginia, or any of its agencies or departments, must be disclosed. Each project reference is to include the name and location of the project, project description of sufficient detail to allow determination of projects size and scope, contract costs, contract schedule milestones, photographs of sufficient quality to demonstrate the scope of the facility, and name, address, current phone number, and e-mail addresses of architects and owners.
- xv. Bidders shall include in their bids the resumes of the Project Manager, Quality Control Manager, and Superintendent – as applicable. Resumes must demonstrate at minimum five (5) years’ experience in similar size and type of Projects and any other relevant information.
- xvi. All Bidders must submit the documentation/information requested in this IFB with their bid. Failure to provide any of the required documentation or information may be cause for the bid to be deemed non-responsive and/or non-responsible and rejected.

B. Building Specifications: At minimum, the Renovation and Site Work for the Project must meet the following requirements:

- i. Be in all respects consistent with and meet any and all provisions, notes, requirements or specifications shown on the Plans. Site work is required to the extent necessary to produce a finished Project that meets or exceeds all the requirements and specifications provided in this IFB, including without limitation the Plans. The Contractor shall not take advantage of any obvious or apparent ambiguity, conflict, error, or omission in the Plans, this IFB or the Contract. If in reviewing this IFB or after beginning work the Contractor discovers an ambiguity, conflict, error, or omission, it shall immediately notify the County and before proceeding further with the affected work. The County will then make such corrections and interpretations as may be

deemed necessary for fulfilling the intent of the Contract and completing the Project as intended.

- ii. The Renovation and all work on the Project shall be compliant with all Applicable Law, as defined in 3(H) below.

C. ADDITIONAL REQUIREMENTS OF CONTRACTOR:

- i. **On-Site Management.** The Contractor shall provide on-site management and supervision of the Project during all working hours and provide daily inspections, quality control, monitoring, and coordination of various trades, record drawings, and daily work log for the Project. Contractor must assign a Supervisor to the Project that shall be the main point of contact for the Project.
- ii. **Site Safety Generally and Disruptions.** The Contractor shall provide a safe and efficient site, with controlled access. As part of this obligation, the Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Project. The Bidder understands and acknowledges that the Basement is in the Fluvanna County Administration Building (the "Building") and that important and critical public functions and activities of the County occur at the Building. The Bidder acknowledges and understands that the Building is open to the public. All Work on the Project shall be performed so as maximize the safety of, and to minimize disruptions to, officers, employees, guests, invitees, and constituents of the County and other members of the public. All Work on the Project shall be performed so as to minimize disruptions to the activities and work performed at the Building. No entrances or exits to the Building may be affected or blocked by the Work on the Project. All staging and materials must be stored in a safe manner in a location approved by the County in advance. Bidders must submit with their Bid a plan for storage and staging of supplies during the Renovation. Any utility disruptions (including without limitation, electrical, water, internet, telephone) or other service interruptions, must be nominal and must be pre-scheduled in advance with the County at a time convenient for the County. The Bidder must be prepared to complete any portions of the Work on the Renovation which could disrupt any such services after hours or on weekends at times convenient for the County.
- iii. **Quality Control Generally.** The Contractor shall be responsible for all activities necessary to manage, control, and document work to ensure compliance with the Contract Documents, Plans and Project specifications. The Contractor's responsibility includes ensuring adequate quality control services are provided by the Contractor's employees and its subcontractors at all levels. The work activities shall include safety, submittal management, document reviews, reporting, and all other functions related to quality of construction. Notwithstanding the foregoing, the County may use an engineer to assist its Project Manager in inspecting and/or managing the Project.
- iv. **Weekly Reports.** The Contractor shall provide written reports to the Project Manager and Engineer, on the progress of the Project at least weekly from Construction Notice to Proceed until Final Completion of the Project. The weekly reports shall include: (i) an updated schedule analysis, including any plans to correct defective or deficient work or recover delays; (ii) an updated cost analysis; (iii) a quality control report; and (iv) progress photos. The County's designated Project Manager will be Benjamin Powell, the County may modify the Project Manager from time to time upon notice to the Contractor.

- v. Examine the work areas and site conditions under which work stated herein shall be performed. Contractor shall notify County of any condition(s) which may affect installation.
- vi. **Coordinate with Engineer.** The County may designate a Project Engineer to work with the Project Manager to oversee/inspect/manage the construction of the Project and coordinate with Contractor. Contractor will work with, coordinate, and communicate with any Engineer identified by the County as the Engineer on the Project to the extent required under the Contract. The County may require the Engineer to confirm that the Project as constructed strictly conforms to the Plans and meets or exceeds all Contract requirements, including the requirements of this IFB.
- vii. Contractor shall provide all Site Preparation.
- viii. Provide final approval/inspection and acceptance of Renovation.
- ix. Verify site preparation work with a County designated Project Manager and the Engineer, if applicable.
 - x. Deliver building materials to site location as designated by the Project Manager.
 - xi. Furnish and install all supplementary or miscellaneous items, appurtenances, and devices incidental to or necessary for a sound, secure and complete installation.
- xii. In addition to any other warranties required by the Contract or this IFB, the Contractor shall provide and assign to the County any and all related manufacturer's warranties for the Project, Renovation, Site Work, materials, equipment, or any portion(s) thereof. A copy of these shall be provided with your bid response.
- xiii. Agree to all of the provisions of the County of Fluvanna's General Terms, Conditions and Instructions to Bidders and Contractors attached to this IFB as Appendix I and further shall agree that any resulting contract awarded pursuant to this IFB shall incorporate by reference as material provisions of such Contract the County of Fluvanna's General Terms, Conditions and Instructions to Bidders and Contractors. Any resulting Contract shall be in form acceptable to the County in its sole discretion.
- xiv. The Bidder agrees and understands that Cares Act funds will be used to pay for the Work on the Project and that the purpose of the Renovation is for the Safety Considerations and all Services on the Task Order must be performed (i) to conform to the CARES Act funding Cares Act Requirements; (ii) to allow for a larger meeting space suitable for social distancing; (iii) to improve air flow; and (iv) taking into account safety considerations particular to the public health emergency known as COVID-19.

D. **PROJECT SUCCESS:** A successfully completed Project shall mean: **1) that the Project was completed on or prior to December 11, 2020;** 2) that the Project was completed at or below the contract award amount, including any subsequent owner-approved cost change orders; and 3) that the Project was completed in strict conformance and in accordance with the Contract documents.

E. **PROTECTION OF PERSON AND PROPERTY:**

- i. All materials shall be protected from damage during delivery, storage, and installation.
- ii. Work can be done on the property 24 hours a day, 7 days a week.
- iii. The Contractor shall not remove any excess (unused) construction material from the site without the County's approval. The County shall be reimbursed for the unused construction material or keep the material onsite.
- iv. The Contractor is responsible to keep a clean and safe construction area.
- v. Contractor shall be responsible for initiating, maintaining and supervision of all safety precautions in connection with the work on the Project. Any damage to existing

Property, site, buildings, real property (land), or personal property, resulting from the work on the Project or the performance of a Contract awarded pursuant to this IFB shall be repaired or replaced at the sole cost and expense of the Contractor to the satisfaction of the County. The Contractor shall repair and/or replace any damage done to any County property by their employees or resulting from Contractor's services as soon as practicable, but in any event, no more than ten (10) calendar days after notification by the County. All such repairs or replacements shall be completed to the County's sole satisfaction. To protect the Contractor, the Contractor shall document any damages in the project area prior to commencing work including photographs. This written record shall be provided to the County prior to commencing work.

F. BUILDING PERMITS & INSPECTIONS:

- i. The Contractor shall notify Miss Utility to locate all underground utilities and their depth and location prior to starting any work on the Project, if applicable.
- ii. The Contractor shall apply for all required building permits before starting the work on this Project.
- iii. Contractor shall notify the county to arrange for inspections at agreed milestones and shall notify for final inspection.

G. INSURANCE REQUIREMENTS:

- i. The firm shall agree to carry the required liability insurances that are listed under item number 39 of the "GENERAL TERMS, CONDITIONS AND INSTRUCTIONS TO BIDDERS AND CONTRACTORS" attached hereto as Appendix I.
- ii. By signing and submitting a proposal under this solicitation, the Contractor certifies that if awarded the contract, it will have the insurance coverage required at the time the work commences. The Contractor further certifies that the contractor will maintain the specified coverage during the entire term of the contract and that all insurance coverage will be provided by insurance companies authorized to sell insurance in Virginia by the Virginia State Corporation Commission.
- iii. During the period of the contract the County reserves the right to require the Contractor to furnish certificates of insurance for the coverage from time to time.
- iv. A Certificate of Insurance shall be submitted with the Contractor's Bid evidencing the insurance required hereunder.

H. APPLICABLE LAW: The Contractor and all equipment, materials, and installation related to the work on the Project shall comply with applicable federal, State and local laws, ordinances, rules and regulations in performance of the Contract ("Applicable Law"), including without limitation:

- i. The Americans with Disabilities Act, as this Project is a new construction Project for a unit of government;
- ii. OSHA requirements; and
- iii. The Virginia Uniform Statewide Building Code.

I. TIME FOR COMPLETION: THE RENOVATION MUST BE SUBSTANTIALLY COMPLETED TO THE COMPLETE REASONABLE SATISFACTION OF THE COUNTY IN ACCORDANCE WITH THE CONTRACT AND THIS IFB ON OR BEFORE NOVEMBER 30, 2020, AT 5 P.M. EST, TIME OF THE ESSENCE. THE RENOVATION MUST BE FINALLY COMPLETED TO THE COMPLETE REASONABLE SATISFACTION OF THE COUNTY IN ACCORDANCE WITH THE CONTRACT AND THIS IFB ON OR BEFORE December 11, 2020, AT 5 P.M. EST, TIME OF

THE ESSENCE. A detailed proposed Project schedule must be submitted with any Bid and the County may prefer earlier Project competition dates in the event of a tie. Any resulting Contract from the IFB will contain the following Liquidated damages provision: “The Contractor understands and acknowledges that the County is using CARES Act Funds to pay for entire cost of the Renovation and therefore, the Renovation Project must be completed on or before December 30, 2020 or the CARES Act funding for the Project will be unavailable for use. Contractor and County recognize that time is of the essence with respect to the Project schedule and that County will suffer financial loss if the Renovation is not fully and finally **completed on or before December 11, 2020** (the “Final Completion Date”). The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by County if the Work is not completed on time. Accordingly, instead of requiring any such proof, County and Contractor agree that as liquidated damages for delay (but not as a penalty), Contractor shall pay the County \$500.00 for each day that expires after the Substantial Completion Date until the Renovation is substantially complete; and Contractor shall pay the County \$500.00 for each day that expires after the Final Completion Date until the Renovation is finally complete. However if the Renovation is not finally complete to the reasonable satisfaction of the County in accordance with the terms of the Contract on or before December 30, 2020, then the County and Contractor agree that as liquidated damages for delay (but not as a penalty), Contractor shall pay the County the entire Contract Price (and in such event no amounts of any kind shall be due or owing to the Contractor for the work on the Renovation; and any payments made to the Contractor by the County toward the Contract Price shall be repaid to the County on or before January 30, 2021).

4. SUBMITTAL INSTRUCTIONS

A. GENERAL INSTRUCTIONS

- i. **IFB Response:** In order to be considered for selection, interested parties must submit a complete response to this IFB, including all requested documentation. Failure to comply with all criteria listed herein may be cause to reject a Bid.
- ii. **IFB Questions:** Address questions concerning this IFB to:

Cyndi Toler, Purchasing Officer

P.O. Box 540

132 Main Street

Palmyra, VA 22963

Ph: (434) 591-1937

ctoler@fluvannacounty.org

Bidders shall submit any questions in writing. Written responses, including the questions, will be posted with the IFB. Questions will not be accepted after September 11, 2020, at 10 a.m. eastern standard time.

- iii. **Ownership of Proposals:** Ownership of all data, materials, and documentation originated and prepared for the County pursuant to the IFB shall belong exclusively to the County and be subject to public inspection in accordance with the Freedom of Information Act. Any proprietary or trade secrets material submitted must be identified as such, and must indicate the specific words, figures, or paragraphs specifically, and with a reason why such material is proprietary or a trade secret under

Virginia law. The classification of an entire proposal document, individual pricing or total proposal prices is not acceptable and will result in rejection and return of the proposal.

- iv. **Due Date:** Sealed Bids must be received by the Purchasing Officer no later than 2:00 p.m. EST on September 23, 2020. Proposals must be addressed to:
 - v. **Any Proposals that are turned in late will be rejected and returned unopened. Any Proposals sent in via facsimile, telephone, or email shall not be considered.**
- B. All Bids shall provide a straight-forward, concise delineation of the firm's capabilities to satisfy the requirements of this IFB. Emphasis should be on completeness and clarity of content. The contents of the Bid submitted by the successful Bidder and this IFB, and any amendments thereto, will become part of any contract awarded as a result of this IFB.
- C. The format of each bid must contain the following elements organized into separate chapters and sections, as the Bidder may deem appropriate. The following paragraphs provide guidelines to each Bidder for information to include in the bid document:
- i. **Cover Letter** - Provide a cover letter that confirms the Bidder's understanding of this IFB and a general understanding of the Project.
 - ii. **Overview** - The purpose of this section is to provide Fluvanna County with an overview of the history, qualifications and abilities of the Contractor's firm and for the Contractor to demonstrate the specific qualifications of the staff the Contractor will assign to this Project if selected. At a minimum, the proposal should: (i) Designate a Project Manager and indicate office location; and (ii) Include the organization chart, functional discipline, and responsibilities of Project team members.
 - iii. **Resumes/Qualifications** - Provide a concise resume or description of each principal team member's education, relevant professional experience, length of time employed by the Contractor and/or sub-consultant, and professional licenses. Each firm submitting a proposal shall provide an updated statement of qualifications highlighting the expertise and experience of the firm and its personnel related to the Project.
 - a. Licenses to conduct services or work on the Project required by the Code of Virginia
 - b. Certificate of Insurance
 - c. Certification of Insurer regarding Performance and Payment Bonds
 - iv. **Demonstrated History of Successful Projects** - Discuss recent project information of similar type to the Project completed by the firm including the project name, location, brief description of the project, description of the scope of services provided, and principal contact person. List all work of a similar nature to the Project completed for any department or agency of the Commonwealth of Virginia and any Virginia public body or locality.
 - v. **Proposed Sub-Consultants** - The Contractor shall clearly state whether it is proposing to subcontract any of the work herein. The names of all proposed sub-contractors shall be provided. By proposing such firm(s) or individuals, the Contractor assumes full liability for the sub-consultant's performance. The Contractor shall state the amount of previous work experience with the sub-consultant(s).
 - vi. **References:** In addition to any specific references required under this IFB, Provide the current name, address, and telephone number of at least four (4) references the Contractor has served either currently or in the past three (3) years; preferably those where one or more of the Project team members provided the same or similar services as requested herein. Indicate the Scope of Services provided to each reference.

- vii. **Pricing** – Please provide flat lump sum pricing. The lump sum price shall include all labor, materials, services, equipment, tools, consumables, parts, supervision, permitting, overhead, administrative, overhead, delivery, shipping, handling, travel and other costs, fees or charges of any kind related to or required for the work on the Project.
 - a. Bids will only be accepted where pricing is submitted on this Pricing Schedule, Attachment E. Vendor quotations and other supporting documentation can be included with the bid.
 - b. The method of payment for this contract will be by lump sum fixed price or not to exceed payment including all reimbursable administrative or other expenses of any kind.
 - c. Bidders acknowledge and understands that: The County is using CARES Act Funds to pay for the Renovation and therefore Project deadlines and milestones under any Contract resulting from this IFB shall be time of the essence.
 - d. Bidder has read and understands the provisions of Section 3(l) of this IFB and agrees to such provision.
 - viii. **Project Approach** – The purpose of this section is to provide the County with the Bidder’s understanding and proposed approach to the project. The Bidder should discuss in detail the proposed management and project approach, the staffing of the Bidder’s firm and firm’s approach to ensure quality control and completion Project in a timely manner.
 - ix. **Project Full Specifications** - Please provide full specifications and features of Renovation, ducting, lighting, materials, concrete, flooring, tile, insulation, ceiling, HVAC equipment, and all materials and a detailed listing of all Site Work; and include the applicable warranty information for each portion thereof. Please provide pictures, pamphlets and materials related to the materials (such as windows, locks, doors, skylights, fans, concrete, finishes, paints, tiles, floors, HVAC grills, trim, etc.) that will be used.
 - x. **Forms:** All forms required to be submitted under this IFB must be included in the Bid.
 - a. Vendor Data Sheet (Attachment A)
 - b. Proof of Authority to Transact Business in Virginia (Attachment B)
 - c. Certificate of No Collusion (Attachment C)
 - d. Bidder Statement (Attachment D)
 - e. Pricing (Attachment E)
 - xi. Any information thought to be relevant, but not applicable to the enumerated scope of work, should be provided as an appendix to the bid. If publications are supplied by the Bidder to respond to a requirement, the response should include reference to the document number and page number. Bids not providing this reference may be considered to have no reference material included in the additional documents.
- D. Other Requirements:
- i. Expertise and experience of the firm related to the scope of services contained in this IFB. This section shall include recent project information of similar type completed by the firm along with the name and telephone number of the point of contact for each project.
 - ii. The IFB document with any addenda acknowledgements filled out and signed as required (see attachments hereto).
 - iii. A detailed response to all requirements, general, specific, functional, and technical required under this IFB.

- iv. A statement of how long the Bidder has provided services similar to the Work requested herein;
 - v. Financial responsibility of the firm. Include most recent financial statement (audited is preferred).
 - vi. The firm should include a street address of the office proposed to handle the work.
 - vii. Identification and statement of qualifications of the construction project team who will be assigned to the Project for actual “hands on” work, as well as the principal assigned the Project for oversight responsibilities.
 - viii. Provide your proposed Project timeline/completion schedule. Time shall be of the essence with respect to all project deadlines and Project completion.
 - ix. Disclose all past and pending litigation.
5. The County is not responsible for failure to locate, consider and evaluate qualification factors presented outside this format.
6. **Incurred Expenses:** The County will not be liable for any cost incurred by Bidders in preparing and submitting proposals. Bidders may not collect proposal preparation charges from the County of Fluvanna as a result of cancellation of this IFB.

7. SUBMITTAL INSTRUCTIONS

- A. **Each Bidder must submit one (1) original and One (1) copy along with one (1) electronic copy of its bid documents on CD ROM, DVD, or USB flash drive/memory stick.**
 - B. An authorized representative of the Bidder shall sign bid documents. All information requested should be submitted. Failure to submit all information requested may result in the bid being rejected by the County.
 - C. All forms attached to this IFB must be fully completed, executed by the Bidder and returned as a part of Offer’s Bid.
 - D. **Each bid shall be in writing and received in hard copy by the deadline. Oral bids, bids received by telephone, fax, telegraph, or email shall be rejected.**
8. **CONTRACT AWARD:** The contract will be awarded to the lowest responsible and responsive bidder whose bid, conforming to this IFB, is most advantageous to the County, considering price and any other evaluation criteria set forth in the bid documents and consistent with the Virginia Procurement Act, the County’s Code, the County’s Procurement Policies and Procedures and other applicable law. Nothing herein requires that the County complete this work and the County may determine not to award any Contract pursuant to this IFB in its sole discretion for any reason or no reason at all.

9. TERMS

- A. The County’s General Terms, Conditions, and Instructions to Bidders and Contractors are attached hereto and incorporated herein by reference as Appendix I. These provisions bind all Bidders. Further, the conditions and requirements of this IFB, including, but not limited to, County’s General Terms, Conditions, and Instructions to Bidders and Contractors, are a material part of any contract awarded between the County and the successful Bidder(s).

- B. Awards shall be made to as many Bidders as deemed necessary to fulfill the anticipated requirements of the County. The County may award contracts to multiple Bidders and use their services for some, or all of the projects identified herein. The County may choose not to award a contract or Notice to Proceed for any or all projects described herein.

VENDOR DATA SHEET

Note: The following information is required as part of your response to this solicitation. Failure to complete and provide this sheet may result in finding your bid nonresponsive.

1. Qualification: The vendor must have the capability and capacity in all respects to satisfy fully all of the contractual requirements.

2. Vendor's Primary Contact:

Name: _____ Phone: _____

3. Years in Business: Indicate the length of time you have been in business providing this type of good or service: _____ Years _____ Months

4. Vendor Information:

FIN or FEI Number: _____ If Company, Corporation, or Partnership

SSN: _____ (If Vendor is a sole proprietor)

5. Indicate below a listing of at least four (4) current or recent accounts, either commercial or governmental, that your company is servicing, has serviced, or has provided similar goods. Include the length of service and the name, address, and telephone number of the point of contact.

Company:	Contact:
Phone:	Email:
Dates of Service:	\$\$ Value:

Company:	Contact:
Phone:	Email:
Dates of Service:	\$\$ Value:

Company:	Contact:
Phone:	Email:
Dates of Service:	\$\$ Value:

Company:	Contact:
Phone:	Email:
Dates of Service:	\$\$ Value:

By my signature below, I, as a duly authorized representative of the entity named below, certify the accuracy of the foregoing information:

_____ Date: _____
 Legal Name of Entity if Applicable

By: _____ (SEAL) Print Name: _____

Signature of Authorized Representative Print Title: _____

Vendor Certification (for a Sole Proprietor):

_____ (SEAL) Print Name: _____ Date: _____

Signature

PLEASE RETURN THIS PAGE WITH PROPOSAL SUBMISSION – [REQUIRED]

PROOF OF AUTHORITY TO TRANSACT BUSINESS IN VIRGINIA

THIS FORM MUST BE SUBMITTED WITH YOUR PROPOSAL/BID. FAILURE TO INCLUDE THIS FORM MAY RESULT IN REJECTION OF YOUR PROPOSAL/BID

Pursuant to Virginia Code §2.2-4311.2, an Offeror/Bidder organized or authorized to transact business in The Commonwealth pursuant to Title 13.1 or Title 50 of the Code of Virginia shall include in its proposal/bid the identification number issued to it by the State Corporation Commission (“SCC”). Any Offeror/Bidder that is not required to be authorized to transact business in the Commonwealth as a foreign business entity under Title 13.1 or Title 50 of the Code of Virginia or as otherwise required by law shall include in its proposal/bid a statement describing why the Offeror/Bidder is not required to be so authorized. Any Offeror/Bidder described herein that fails to provide the required information shall not receive an award unless a waiver of this requirement and the administrative policies and procedures established to implement this section is granted by the County Administrator, as applicable. If this quote for goods or services is accepted by the County of Fluvanna, Virginia, the undersigned agrees that the requirements of the Code of Virginia Section 2.2-4311.2 have been met.

Please complete the following by checking the appropriate line that applies and providing the requested information. **PLEASE NOTE: The SCC number is NOT your federal ID number or business license number.**

A. _____ Offeror/Bidder is a Virginia business entity organized and authorized to transact business in Virginia by the SCC and such vendor’s Identification Number issued to it by the SCC is _____.

B. _____ Offeror/Bidder is an out-of-state (foreign) business entity that is authorized to transact business in Virginia by the SCC and such vendor’s Identification Number issued to it by the SCC is _____.

C. _____ Offeror/Bidder does not have an Identification Number issued to it by the SCC and such vendor is not required to be authorized to transact business in Virginia by the SCC for the following reason(s):

Please attach additional sheets if you need to explain why such Offeror/Bidder is not required to be authorized to transact business in Virginia.

Legal Name of Company (as listed on W-9): _____

Legal Name of Offeror/Bidder: _____

Date: _____

Authorized Signature: _____

Print or Type Name and Title: _____

PLEASE RETURN THIS PAGE WITH PROPOSAL SUBMISSION – [REQUIRED]

CERTIFICATE OF NO COLLUSION:

The undersigned, acting on behalf of _____, does hereby certify in connection with the procurement and proposal to which this Certificate of No Collusion is attached that:

This proposal is not the result of, or affected by, any act of collusion with another person engaged in the same line of business or commerce; nor is this proposal the result of, or affected by, any act of fraud punishable under Article 1.1 of Chapter 12 of Title 18.1 of the Code of Virginia, 1950, as amended (18.2-498.1 et seq.).

The undersigned declares that the person or persons signing this proposal is/are fully authorized to sign the proposal on behalf of the firm listed and to fully bind the firm listed to all conditions and provisions thereof.

Respectfully submitted this _____ day of _____, 2015.

Legal Name of Entity

By: _____ (SEAL)
Signature of Authorized Representative

Print Name: _____

Print Title: _____

Date: _____

ACKNOWLEDGEMENT

State of _____
In the County/City of _____, **to-wit:**

The foregoing Certification of No Collusion was subscriber and sworn to before me by _____ (Print Name), _____ (Print Title) on behalf of _____ (Print Name of Entity) on this _____ day of _____ (month), _____ (year).

Notary Public

My commission expires: _____

Registration Number: _____

PLEASE RETURN THIS PAGE WITH PROPOSAL SUBMISSION – [REQUIRED]

BIDDER/OFFEROR STATEMENT

The undersigned Bidder/Offeror (hereinafter "Bidder") hereby certifies that the Bidder has carefully examined all instructions, plans, conditions, specifications and other documents or items of this Invitation for Bid or Request for Proposals and hereby submits this bid/proposal pursuant to such instructions, plans, conditions, specifications and other documents or items. By submitting a bid/proposal, the Bidder covenants and agrees that he has satisfied himself, from his own investigation of conditions to be met, that he fully understands his obligation and that he will not make any claim for, or have right to cancellation or relief from the resulting contract because of any misunderstanding or lack of information; Certifies and warrants that the Bidder is properly licensed to provide the goods/services specified in the Request for Proposal and has the appropriate License or Certificate and classification(s) required to perform the work included in the scope of the proposal documents, prior to submitting the proposal, in accordance with Title 54.1, Chapter 11 of the Code of Virginia. If an Bidder shall fail to obtain the required license prior to submission of his proposal, he shall be deemed to be in violation of § 54.1-1115 of the Code of Virginia (1950), as amended, and his proposal will not be considered; Bidder further agrees that conditions herein have been carefully read and this proposal is submitted subject to all requirements stated herein. The undersigned hereby acknowledges and agrees, if this proposal is accepted, to furnish all services agreed upon in strict accordance with the contract.

Complete if Bidder is an Entity: WITNESS the following duly authorized signature and seal:

Name of Entity: _____
By: _____ (SEAL)
Signature
Print Name: _____ Print
Title: _____

STATE OF _____
COUNTY/CITY OF _____, to-wit:

The foregoing instrument was acknowledged before me this ____ day of _____ (month),
_____(year) by _____ (Print Name),
_____(Print Title) on behalf of _____ (Name of
Entity).

Notary Public [SEAL]

My commission expires: _____
Notary registration number: _____

Complete if Bidder is a Sole Proprietor: Witness the following signature and seal:

Signature (SEAL)
Print Name: _____

STATE OF _____
COUNTY/CITY OF _____, to-wit:

The foregoing instrument was acknowledged before me this ____ day of _____ (month),
_____(year) by _____ (Print Name), a sole proprietor.

Notary Public [SEAL]

My commission expires: _____
Notary registration number: _____

PLEASE RETURN THIS PAGE WITH BID SUBMISSION - [REQUIRED]

Appendix I

COUNTY OF FLUVANNA

GENERAL TERMS, CONDITIONS AND

INSTRUCTIONS TO BIDDERS AND

CONTRACTORS

GENERAL TERMS, CONDITIONS AND INSTRUCTIONS TO BIDDERS AND CONTRACTORS

These General Terms, Conditions and Instructions to Bidders and Contractor (hereinafter referred to as the "General Conditions") shall apply to all purchases and be incorporated into and be a part of each Solicitation (as defined below) and every Contract (as defined below) awarded by Fluvanna County, a political subdivision of the Commonwealth of Virginia (hereinafter referred to as the "County") unless otherwise specified by the County in writing. Bidders, Offerors and Contractors or their authorized representatives are expected to inform themselves fully as to these General Conditions before submitting Bids or Proposals to and/or entering into any Contract with the County: failure to do so will be at the Bidder's/Contractor's own risk and except as provided by law, relief cannot be secured on the plea of error.

Subject to all Federal, State and local laws, policies, resolutions, regulations, rules, limitations and legislation, including the County's Procurement Policies and Procedures, Bids or Proposals on all Solicitations issued by County will bind Bidders or Offerors, as applicable, and Contracts will bind Contractors, to all applicable terms, conditions, instructions, rules and requirements herein set forth unless otherwise SPECIFICALLY set forth by the County in writing in the Solicitation or Contract. All provisions of these General Conditions are material to any contract between the County and a Contractor.

INTRODUCTION

- 1. VIRGINIA PUBLIC PROCUREMENT ACT AND ETHICS IN PUBLIC CONTRACTING:** The Virginia Public Procurement Act of Virginia Code §§ 2.2-4300 *et seq.* (hereinafter the "VPPA") is incorporated herein by reference. Nothing in these General Conditions is intended to conflict with the VPPA and in case of any conflict, the VPPA controls. Specifically, the provisions of Article 6 of the VPPA (Virginia Code §§ 2.2-4367 through 2.2-4377) relating to ethics in contracting, shall be applicable to all Solicitations and Contracts solicited or entered into by the County. By submitting their Bids or signing any Contract, all Bidders and Contractors certify that they have not violated any of the provisions of Article 6 of the VPPA, including, but not limited to, that their Bids are made without collusion or fraud and that they have not offered or received any kickbacks or inducements.
- 2. DEFINITIONS:** The definitions of Virginia Code §§ 2.2-4301, 2.2-4302.1 and 2.2- 4302.2 are specifically incorporated herein by reference and as used in these General Conditions, whether capitalized or not, any of such defined terms have the same meaning as such terms have under the VPPA: such defined terms include: "Affiliate", "Best Value", "Business", "Competitive Negotiation", "Competitive Sealed Bidding", "Construction", "Construction Management Contract", "Design-Build Contract", "Employment Services Organization", "Goods", "Informality", "Job Order Contracting", "Multiphase Professional Services Contract", "Nonprofessional Services", "Potential Bidder or Offeror", "Professional Services", "Public Body", "Public Contract", "Responsible Bidder or Offeror", "Responsive Bidder", "Reverse Auctioning" and

“Services”. Additionally, as used in these General Conditions, the following terms, whether capitalized or not, have the following meanings:

- a. Bid/Proposal: The offer of a Bidder or Offeror to provide specific Goods or Services at specified prices and/or other conditions specified in the Solicitation. The term “Bid” is used throughout these General Conditions and where appropriate includes the term “Proposal” or any modifications or amendments to any Bid or Proposal.
- b. Bidder/Offeror/Vendor: Any individual(s), company, firm, corporation, partnership or other organization bidding or offering on any Solicitation issued by the County and/or offering to enter into Contracts with the County. The term “Bidder” is used throughout these General Conditions and where appropriate includes the term “Offeror” and/or “Vendor”.
- c. Contract: Any contract to which the County will be a party.
- d. Contractor: Any individual(s), company, firm, corporation, partnership, or other organization to whom an award is made by the County or whom enters into any contract to which the County is a party.
- e. County: The County of Fluvanna, a political subdivision of the Commonwealth of Virginia, including where applicable all agencies and departments of the County.
- f. County Administrator: The Fluvanna County Administrator.
- g. County Attorney: The Fluvanna County Attorney.
- h. Purchasing Agent: The County Administrator is the County’s Purchasing Agent and is responsible for the purchasing activity of Fluvanna County; and has signatory authority to bind the County to all contracts and purchases made lawfully under the Fluvanna County Small Purchasing Procedures. The Purchasing Agent has signatory authority to bind the County to all other contracts and purchases only after the contracts or purchases have been approved by a vote of the Fluvanna County Board of Supervisors.
- i. General Terms, Conditions and Instructions to Bidders and Contractors (also referred to herein as the “General Conditions”): These General Terms, Conditions and Instructions to Bidders and Contractors shall be attached to and made a part of all Solicitations by the County and all Contracts to which the County is party.
- j. His: Any references to “his” shall include his, her, their, or its as appropriate.
- k. Invitation to Bid (also referred to herein as an “IFB”): A request which is made to prospective Bidders for their quotation on Goods or Services desired by the County. The issuance of an IFB will contain or incorporate by reference the General Conditions and the other specifications and contractual terms and

conditions applicable to the procurement.

- l. Purchasing Officer: The Purchasing Officer employed by the County and to whom Bidders/Contractors can submit questions relating to any Bid or Contract.
 - m. Request for Proposal (also referred to herein as a "RFP"): A request for an offer from prospective Offerors which shall indicate the general terms which are sought to be procured from Offerors. The RFP will specify the evaluation factors to be used and will contain or incorporate by reference the General Conditions and other applicable contractual terms and conditions, including any unique capabilities or qualifications that will be required of the Contractor.
 - n. Small Purchasing Procedures: The County's Small Purchasing Procedures, being Chapter 4 of the County's Procurement Policies and Procedures, a method of purchasing not requiring competitive sealed bids or competitive negotiation for single or term contracts for goods and services other than professional services if the aggregate or the sum of all phases is not expected to exceed \$50,000; and also allowing for single or term contracts for professional services without requiring competitive negotiation, provided the aggregate or the sum of all phases is not expected to exceed \$50,000.
 - o. Solicitation: The process of notifying prospective Bidders or Offerors that the County wishes to receive Bids or Proposals on a set of requirements to provide Goods or Services. "Solicitation" includes any notification of the County requirements may consist of public advertising (newspaper, County's website, or other electronic notification), the mailing of notices of Solicitation, any Invitation for Quotes ("IFQ"), Initiations to Bid ("IFB"), or Requests for Proposal ("RFP"), the public posting of notices, issuance of an Open Market Procurement ("OMP"), or telephone calls to prospective Bidders or Offerors.
 - p. State: The Commonwealth of Virginia.
3. **AUTHORITY**: The Purchasing Agent shall serve as the principal public purchasing official for the County, and shall be responsible for the procurement of goods, services, insurance and construction in accordance with the County's Procurement Policies and Procedures. The Purchasing Agent has responsibility and authority for negotiating, placing and when necessary modifying every Solicitation, Contract and purchase order issued by the County under the County's Small Purchasing Procedures. The Purchasing Agent has signatory authority to bind the County to all contracts and purchases made lawfully under the County's Small Purchasing Procedures. The Purchasing Agent has responsibility and authority for negotiating, placing and when necessary modifying every other Solicitation, Contract and purchase order issued by the County except that the Purchasing Agent has signatory authority to bind the County to all other contracts and purchases ONLY after the contracts or purchases have been adopted and approved by a vote of the Fluvanna County Board of Supervisors (the "Board").

Unless specifically delegated by the Board or the Purchasing Agent, and consistent with the limited authority granted thereto, no other County officer or employee is authorized to order supplies or Services, enter into purchase negotiations or Contracts, or in any way obligate the County for any indebtedness. Any purchase or contract made which is contrary to such authority shall be of no effect and void and the County shall not be bound thereby.

For convenience, the County's Purchasing Officer shall serve as an intermediary between the Purchasing Agent and the Bidder or Contractor and any Bidder or Contractor may direct communications regarding any purchase, Solicitation or Contract to the Purchasing Officer; however as stated *supra* only the Board or County's Purchasing Agent can bind the County and only upon the conditions stated *supra*.

CONDITIONS OF BIDDING

- 4. COMPETITION INTENDED:** It is the County's intent to encourage and permit open and competitive bidding in all Solicitations. It shall be the Bidder's responsibility to advise the County in writing if any language, requirement, specification, etc., or any combination thereof, stifles competition or inadvertently restricts or limits the requirements stated in a Solicitation to a single source. The County must receive such notification not later than seven (7) business days prior to the deadline set for acceptance of the Bids. In submitting a Bid, the Bidder guarantees that he or she has not been a party with other Bidders to an agreement to bid a fixed or uniform price. Violation of this implied guarantee shall render the Bid of any Bidder involved void.
- 5. DISCRIMINATION PROHIBITED:** Pursuant to Virginia Code § 2.2-4310, the County does not discriminate against Bidders, Offerors or Contractors because of race, religion, color, sex, national origin, age, disability, status as a service disabled veteran, or any other basis prohibited by state law relating to discrimination in employment. Whenever solicitations are made, the County shall include businesses selected from a list made available by the Department of Small Business and Supplier Diversity. Pursuant to Virginia Code § 2.2-4343.1, the County does not discriminate against "faith-based organizations", being a religious organization that is or applies to be a contractor to provide goods or services for programs funded by the block grant provided pursuant to the Personal Responsibility and Work Reconciliation Act of 1996, P.L. 104-193.
- 6. CLARIFICATION OF TERMS:** Pursuant to Virginia Code § 2.2-4316, if any Bidder has questions or comments about the specifications or other Solicitation documents, the prospective Bidder should contact the County no later than seven (7) business days prior to the date set for the opening of Bids or receipt of Proposals. Any revisions to the Solicitation will be made only by written addendum issued by the County. Notifications regarding specifications may not be considered if received in less than seven (7) business days of the date set for opening of Bids/receipt of Proposals.
- 7. MANDATORY USE OF COUNTY FORM AND TERMS AND CONDITIONS:**
Unless otherwise specified in the Solicitation, all Bids must be submitted on the forms

provided by the County, including but not limited to, a Cover Sheet or Pricing Schedule, if applicable, properly signed in ink in the proper spaces and submitted in a sealed envelope or package. Unauthorized modification of or additions to any portion of the Solicitation may be cause for rejection of the Bid. However, the County reserves the right to decide, on a case by case basis, in its sole discretion, whether to reject any Bid or Proposal which has been modified. These General Conditions are mandatory provisions of all Solicitations and all Contracts of the County.

8. LATE BIDS & MODIFICATION OF BIDS: Any Bid or modification thereto received at the office designated in the Solicitation after the exact time specified for receipt of the Bid is considered a late Bid or modification thereof. The County is not responsible for delays in the delivery of the mail by the U.S. Postal Service, private carriers or the inter-office mail system. It is the sole responsibility of the Bidder to ensure their Bid reaches County by the designated date and hour. The following rules apply to all Bids submitted to the County:

- a. The official time used in the receipt of Bids/Proposals is that time on the automatic time stamp machine in the Finance Department;
- b. Late Bids or modifications thereof will be returned to the Bidder UNOPENED, if Solicitation number, due date and Bidder's return address is shown on the container;
- c. If a Bid is submitted on time, however a modification thereto is submitted after the due date and time, then the County in its sole discretion may choose to consider the original Bid except that the County may not consider such original Bid if the Bid is withdrawn by the Bidder pursuant to Section 9 below; and
- d. If an emergency or unanticipated event or closing interrupts or suspends the County's normal business operations so that Bids cannot be received by the exact time specified in the Solicitation, then the due date/time specified for receipt of Bids will be deemed to be extended to the same time of day specified in the Solicitation on the first work day on which normal County business operations resume.

9. WITHDRAWAL OF BIDS:

- a. Pursuant to Virginia Code § 2.2-4330, a Bidder for a public construction contract, other than a contract for construction or maintenance of public highways, may withdraw his Bid from consideration if the price bid was substantially lower than the other Bids due solely to a mistake in the Bid, provided the Bid was submitted in good faith, and the mistake was a clerical mistake as opposed to a judgment mistake, and was actually due to an unintentional arithmetic error or an unintentional omission of a quantity of work, labor or material made directly in the compilation of a Bid, which unintentional arithmetic error or unintentional omission can be clearly shown by objective evidence drawn from inspection of original work papers, documents and materials used in the preparation of the Bid sought to be withdrawn.

If a Bid contains both clerical and judgment mistakes, a Bidder may withdraw his Bid from consideration if the price bid would have been substantially lower than the other Bids due solely to the clerical mistake, that was an unintentional arithmetic error or an unintentional omission of a quantity of work, labor or material made directly in the compilation of a Bid that shall be clearly shown by objective evidence drawn from inspection of original work papers, documents and materials used in the preparation of the Bid sought to be withdrawn. The Bidder shall give notice in writing to the County of his or her claim of right to withdraw his or her Bid within two (2) business days after the conclusion of the Bid opening procedure and shall submit original work papers with such notice.

- b. A Bidder for a Contract other than for public construction may request withdrawal of his or her Bid under the following circumstances:
 - i. Bids may be withdrawn on written request from the Bidder received at the address shown in the Solicitation prior to the time of opening.
 - ii. Requests for withdrawal of Bids after opening of such Bids but prior to award shall be transmitted to the County, in writing, accompanied by full documentation supporting the request. If the request is based on a claim of error, documentation must show the basis of the error. Such documentation may take the form of supplier quotations, Bidder work sheets, etc. If Bid bonds were tendered with the Bid, the County may exercise its right of collection.
- c. No Bid may be withdrawn under this Section 9 when the result would be the awarding of the Contract on another Bid of the same Bidder or of another Bidder in which the ownership of the withdrawing Bidder is more than five percent (5%).
- d. If a Bid is withdrawn under the authority of this Section 9 the lowest remaining Bid shall be deemed to be the low Bid.
- e. No Bidder who, is permitted to withdraw a Bid shall, for compensation, supply any material or labor to or perform any subcontract or other work agreement for the person or firm to whom the Contract is awarded or otherwise benefit, directly or indirectly, from the performance of the project for which the withdrawn Bid was submitted.
- f. The County shall notify the Bidder in writing within five (5) business days of its decision regarding the Bidder's request to withdraw its Bid. If the County denies the withdrawal of a Bid under the provisions of this Section 9, it shall State in such notice the reasons for its decision and award the Contract to such Bidder at the Bid price, provided such Bidder is a responsible and responsive Bidder. At the same time that the notice is provided, the County shall return all work papers and copies thereof that have been submitted by the Bidder.

- g. Under these procedures, a mistake shall be proved only from the original work papers, documents and materials delivered as required herein. The work papers, documents and materials submitted by the bidder shall, at the bidder's request, be considered trade secrets or proprietary information subject to the conditions of subsection F of Virginia Code § 2.2-4342.

10. ERRORS IN BIDS: When an error is made in extending total prices, the unit Bid price will govern. Erasures in Bids must be initialed by the Bidder. Carelessness in quoting prices, or otherwise in preparation of the Bid, will not relieve the Bidder. Bidders/Offerors are cautioned to recheck their Bids for possible error. Errors discovered after public opening cannot be corrected and the Bidder will be required to perform if his or her Bid is accepted.

11. IDENTIFICATION ON BID ENVELOPE: All Bids, Proposals and requested copies thereof submitted to the County shall be in a separate envelope or package, sealed and identified with the following information clearly marked on the outside of the envelope or package:

- a. Addressed as indicated on page 1 of the solicitation;
- b. Solicitation number;
- c. Title;
- d. Bid due date and time;
- e. Bidder's name and complete mailing address (return address); and
- f. Pursuant to Virginia Code § 2.2-4311.2, the Bidder's identification number issued by the State Corporation Commission, or if the bidder is not required to be authorized to transact business in the Commonwealth as a foreign business entity under Title 13.1 or Title 50 or as otherwise required by law shall include in its bids or proposal a statement describing why the bidder or offeror is not required to be so authorized.

If a Bid is not addressed with the information as shown above, the Bidder takes the risk that the envelope may be inadvertently opened and the information compromised, which may cause the Bid to be disqualified. Bids may be hand delivered to the designated location in the County's offices. No other correspondence or other Proposals/Bids should be placed in the envelope. Any Bidder or Offeror that fails to provide the information required in (f) above shall not receive an award unless a waiver is specifically granted by the County Administrator.

12. ACCEPTANCE OF BIDS: Unless otherwise specified, all formal Bids or Proposals submitted shall be valid for a minimum period of one hundred twenty (120) calendar days following the date established for opening or receipt, respectively, unless extend by mutual agreement of the parties. At the end of the one hundred twenty (120) calendar days the Bid/Proposal may be withdrawn at the written request of the Bidder. Thereafter, unless and until the Proposal is withdrawn, it remains in effect until an award is made or the Solicitation is canceled by the County. The County may cancel any Solicitation at any time by notice of such cancelation to the Bidders.

- 13. COMPLETENESS:** To be responsive, a Bid must include all information required by the Solicitation.
- 14. CONDITIONAL BIDS:** Conditional Bids are subject to rejection in whole or in part.
- 15. RESPONSE TO SOLICITATIONS:** In the event a Bidder cannot submit a Bid on a Solicitation, the Bidder is requested to return the Solicitation cover sheet with an explanation as to why the Bidder is unable to Bid on these requirements, or if there be no cover sheet for the Solicitation a letter to the County explaining the same.
- 16. BIDDER INTERESTED IN MORE THAN ONE BID AND COLLUSION:** More than one bid from an individual, firm, partnership, corporation or association under the same or different name will be rejected. Reasonable grounds for believing that a bidder is interested in more than one bid for the work contemplated will cause rejection of all bids in which the bidder is interested. Any or all bids may be rejected if there is any reason for believing that collusion exists among the bidders. Participants in such collusion may not be considered in future bids for the same work. Each bidder, as a condition of submitting a bid, shall certify that he is not a party to any collusive action as herein defined. However, a party who has quoted prices on work, materials, or supplies to a Bidder is not thereby disqualified from quoting prices to other Bidders or firms submitting a Bid directly for the work, materials or supplies.
- 17. BID OPENING:** Pursuant to Virginia Code § 2.2-4301, all Bids received in response to an IFB will be opened at the date, time and place specified, and announced publicly, and made available for inspection as provided in Section 21 of these General Conditions. Proposals received in response to an RFP will be made available for inspection as provided in Section 21 of these General Conditions.
- 18. TAX EXEMPTION:** The County is exempt from the payment of any federal excise or any Virginia sales tax. The price bid must be net, exclusive of taxes. Tax exemption certificates will be furnished if requested by the Bidder.
- 19. DEBARMENT STATUS:** By submitting their Bids, Bidders certify that they are not currently debarred from submitting Bids on Contracts by the County, nor are they an agent of any person or entity that is currently debarred from submitting Bids or Proposals on Contracts by the County or any agency, public entity/locality or authority of the State.
- 20. NO CONTACT POLICY:** No Bidder shall initiate or otherwise have contact related to the Solicitation with any County representative or employee, other than the Purchasing Officer or Purchasing Agent, after the date and time established for receipt of Bids. Any contact initiated by a Bidder with any County representative, other than the Purchasing Officer or Purchasing Agent, concerning this Solicitation is prohibited and may cause the disqualification of the Bidder.

21. VIRGINIA FREEDOM OF INFORMATION ACT: As provided under Virginia Code § 2.2-4342, all proceedings, records, Contracts and other public records relating to procurement transactions shall be open to the inspection of any citizen, or any interested person, firm or corporation, in accordance with the Virginia Freedom of Information Act of Virginia Code §§ 2.2-3700 *et seq.*, except:

- a. Cost estimates relating to a proposed procurement transaction prepared by or for the County shall not be open to public inspection;
- b. Any competitive sealed bidding Bidder, upon request, shall be afforded the opportunity to inspect Bid records within a reasonable time after the opening of Bids but prior to award, except in the event that the County decides not to accept any of the Bids and to reopen the Contract. Otherwise, Bid records shall be open to public inspection only after award of the Contract;
- c. Any competitive negotiation Offeror, upon request, shall be afforded the opportunity to inspect Proposal records within a reasonable time after the evaluation and negotiations of Proposals are completed but prior to award except in the event that the County decides not to accept any of the Proposals and to reopen the Contract. Otherwise, Proposal records shall be open to the public inspection only after award of the Contract;
- d. Any inspection of procurement transaction records under this Section 21 shall be subject to reasonable restrictions to ensure the security and integrity of the records;
- e. Trade secrets or proprietary information submitted by a Bidder, Offeror or Contractor in connection with a procurement transaction shall not be subject to public disclosure under the Virginia Freedom of Information Act; however, the Bidder, Offeror or Contractor must invoke the protections of this Section 21 prior to or upon submission of the data or other materials, and must identify the data or other materials to be protected and State the reasons why protection is necessary; and
- f. Nothing contained in this Section 21 shall be construed to require the County, when procuring by “competitive negotiation” (RFP), to furnish a Statement of reasons why a particular Proposal was not deemed to be the most advantageous to the County.

22. CONFLICT OF INTEREST: Bidder/Contractor certifies by signing any Bid/Contract to/with the County that no conflict of interest exists between Bidder/Contractor and County that interferes with fair competition and no conflict of interest exists between Bidder/Contractor and any other person or organization that constitutes a conflict of interest with respect to the Bid/Contract with the County.

SPECIFICATIONS

23. OMISSIONS OR DISCREPANCIES: Any items or parts of any equipment listed in a Solicitation which are not fully described or are omitted from such specification, and which are clearly necessary for the completion of such equipment and its appurtenances, shall be considered a part of such equipment although not directly specified or called for

in the specifications. Should a Bidder find a discrepancy or ambiguity in, or an omission from, the Solicitation, including the drawings and/or specifications, he or she shall so notify the County within twenty-four (24) hours of noting the discrepancy, ambiguity or omission and in any event no less than five (5) days prior to the date set for the opening of Bids. If necessary, the County will send a written addendum for clarification to all Bidders no later than three (3) days before the date set for opening of Bids. Any notification regarding specifications received less than five (5) days prior to the date set for the opening of Bids may or may not be considered by the County in its sole discretion. The Bidder shall abide by and comply with the true intent of the specifications and not take advantage of any unintentional error or omission, but shall fully complete every part as the true intent and meaning of the specifications and drawings. Whenever the mention is made of any articles, material or workmanship to be in accordance with laws, ordinances, building codes, underwriter's codes, A.S.T.M. regulations or similar expressions, the requirements of these laws, ordinances, etc., shall be construed as to the minimum requirements of these specifications.

- 24. BRAND NAME OR EQUAL ITEMS:** Pursuant to Virginia Code § 2.2-4315, unless otherwise provided in the Solicitation, the name of a certain brand, make or manufacturer does not restrict Bidders to the specific brand, make or manufacturer named; it conveys the general style, type, character, and quality of the article desired, and any article which the County in its sole discretion determines to be the equal of that specified, considering quality, workmanship, economy of operation, and suitability for the purpose intended, shall be accepted. The Bidder is responsible to clearly and specifically indicate the product being offered and to provide sufficient descriptive literature, catalog cuts and technical detail to enable the County to determine if the product offered meets the requirements of the Solicitation. This is required even if offering the exact brand, make or manufacturer specified. Normally in competitive sealed bidding, only the information furnished with the Bid will be considered in the evaluation. Failure to furnish adequate data for evaluation purposes may result in declaring a Bid non-responsive. Unless the Bidder clearly indicates in its Bid that the product offered is "equal" product, such Bid will be considered to offer the brand name product referenced in the Solicitation.
- 25. FORMAL SPECIFICATIONS:** When a Solicitation contains a specification which states no substitutes, no deviation therefrom will be permitted and the Bidder will be required to furnish articles in conformity with that specification.
- 26. CONDITION OF ITEMS:** Unless otherwise specified in the Solicitation, all items shall be new, in first class condition.

AWARD

- 27. RESPONSIBLE BIDDERS:** In determining whether a Bidder is a responsible Bidder as defined herein, at minimum, the following criteria will be considered:
- a. The ability, capacity and skill of the Bidder to perform the Contract or provide the service required under the Solicitation;

- b. Whether the Bidder can perform the Contract or provide the service promptly, or within the time specified, without delay or interference;
- c. The character, integrity, reputation, judgment, experience and efficiency of the Bidder;
- d. The quality of performance of previous Contracts or Services;
- e. The previous and existing compliance by the Bidder with laws and ordinances relating to the Contract or Services;
- f. The sufficiency of the financial resources and ability of the Bidder to perform the Contract or provide the service;
- g. The quality, availability and adaptability of the Goods or Services to the particular use required;
- h. The ability of the Bidder to provide future maintenance and service for the use of the subject of the Contract;
- i. The number and scope of the conditions attached to the Bid;
- j. Whether the Bidder is in arrears to the County on debt or Contract or is a defaulter on surety to the County or whether the Bidder's County taxes or assessments are delinquent; and
- k. Such other information as may be secured by the County, the Purchasing Agent or the Purchasing Officer having a bearing on the decision to award the Contract. If an apparent low Bidder is not awarded a Contract for reasons of nonresponsibility, the County shall so notify that Bidder and shall have recorded the reasons in the Solicitation or Contract file.

28. AWARD OR REJECTION OF BIDS; WAIVER OF INFORMALITIES: The County shall award the Contract to the lowest responsive and responsible Bidder complying with all provisions of the IFB, provided the Bid price is reasonable and it is in the best interest of the County to accept it. Awards made in response to a RFP will be made to the highest qualified Offeror whose Proposal is determined, in writing, to be the most advantageous to the County taking into consideration the evaluation factors set forth in the RFP. The County reserves the right to award a Contract by individual items, in the aggregate, or in combination thereof, or to reject any or all Bids and to waive any informality in Bids received whenever such rejection or waiver is in the best interest of the County. Award may be made to as many Bidders/Offerors as deemed necessary to fulfill the anticipated requirements of the County. The County also reserves the right to reject the Bid if a Bidder is deemed to be a non-responsible Bidder. Pursuant to Virginia Code § 2.2-4319, an IFB, a RFP, any other solicitation, or any and all bids or proposals, may be canceled or rejected by the County at any time. The reasons for cancellation or rejection shall be made part of the contract file. The County shall not cancel or reject an IFB, a RFP, any other solicitation, bid or proposal solely to avoid awarding a contract to a particular responsive and responsible bidder or offeror.

29. EXCLUSION OF INSURANCE BIDS PROHIBITED: Pursuant to Virginia Code § 2.2-4320, notwithstanding any other provision of law or these General Conditions, no insurer licensed to transact the business of insurance in the State or approved to issue surplus lines insurance in the State shall be excluded from presenting an insurance bid proposal to the County in response to a RFP or an IFB; excepting that the County may

debar a prospective insurer pursuant to its Debarment Policy, see Chapter 2 of the County's Procurement Policies and Procedures.

- 30. ANNOUNCEMENT OF AWARD:** Upon the award or announcement of the decision to award a Contract as a result of this Solicitation, the County will publicly post such notice on the County's bulletin board located at 72 Main Street, 2nd Floor, Palmyra, Virginia 22963. Award results may also be viewed on the County's website.

- 31. QUALIFICATIONS OF BIDDERS OR OFFERORS:** The County may make such reasonable investigations as deemed proper and necessary to determine the ability of the Bidder to perform the work/furnish the item(s) and the Bidder shall furnish to the County all such information and data for this purpose as may be requested. The County reserves the right to inspect Bidder's physical facilities prior to award to satisfy questions regarding the Bidder's capabilities. The County further reserves the right to reject any Bid or Proposal if the evidence submitted by or investigations of, such Bidder fails to satisfy the County that such Bidder is properly qualified to carry out the obligations of the Contract and to complete the work/furnish the item(s) contemplated therein.

- 32. TIE BIDS AND PREFERENCE FOR VIRGINIA PRODUCTS WITH RECYCLED CONTENT AND FOR VIRGINIA FIRMS:**
 - a. Pursuant to Virginia Code § 2.2-4328, in the case of a tie bid on an IFB only, the County may give preference to Goods, Services and construction produced in Fluvanna County or provided by persons, firms or corporations having principal places of business in Fluvanna County. If such choice is not available, preference shall then be given to Goods produced in Virginia, or for goods, services or construction provided by Virginia persons, firms, corporations, pursuant Virginia Code § 2.2-4324. If no County or State choice is available, the tie shall be decided publicly by lot. The decision by the County to make award to one or more such Bidders shall be final.
 - b. Whenever the lowest responsive and responsible bidder is a resident of any other state and such state under its laws allows a resident contractor of that state a percentage preference, a like preference shall be allowed to the lowest responsive and responsible bidder who is a resident of Virginia and is the next lowest bidder. If the lowest responsive and responsible bidder is a resident of any other state and such state under its laws allows a resident contractor of that state a price-matching preference, a like preference shall be allowed to responsive and responsible bidders who are residents of Virginia. If the lowest bidder is a resident contractor of a state with an absolute preference, the bid shall not be considered. The Department of General Services shall post and maintain an updated list on its website of all states with an absolute preference for their resident contractors and those states that allow their resident contractors a percentage preference, including the respective percentage amounts. For purposes of compliance with this Section 32, the County may rely upon the accuracy of the information posted on this website.
 - c. Notwithstanding the provisions of subsections a and b, in the case of a tie bid in instances where goods are being offered, and existing price preferences have

already been taken into account, preference shall be given to the bidder whose goods contain the greatest amount of recycled content.

- d. For the purposes of this Section 32, a Virginia person, firm or corporation shall be deemed to be a resident of Virginia if such person, firm or corporation has been organized pursuant to Virginia law or maintains a principal place of business within Virginia.

- 33. NEGOTIATION WITH LOWEST RESPONSIBLE BIDDER:** Pursuant to Virginia Code § 2.2-4318, unless cancelled or rejected, a responsive Bid from the lowest responsible Bidder shall be accepted as submitted, except that if the Bid from the lowest responsible Bidder exceeds available funds, the County may negotiate with the apparent low Bidder to obtain a Contract price within available funds. However, the negotiation may be undertaken only under conditions and procedures described in writing and approved by the County prior to issuance of the IFB and summarized therein.

CONTRACT PROVISIONS

- 34. APPLICABLE LAW AND COURTS:** Any Bid or Contract resulting from a Solicitation and its terms, including, but not limited to, the parties' obligations under it, and the remedies available to each party for breach of it, shall be governed by, construed and interpreted in accordance with the laws of the Commonwealth of Virginia, and exclusive jurisdiction and venue of any dispute or matters involving litigation between the parties hereto shall be in the courts of Fluvanna County, Virginia. Any jurisdiction's choice of law, conflict of laws, rules, or provisions, including those of the Commonwealth of Virginia, that would cause the application of any laws other than those of the Commonwealth of Virginia, shall not apply. The Contractor shall comply with applicable federal, State and local laws, ordinances, rules and regulations in performance of the Contract.
- 35. PROVISION AND OWNERSHIP OF INFORMATION:** The County shall make a good faith effort to identify and make available to the Contractor all non-confidential technical and administrative data in the County's possession which the County may lawfully release including, but not limited to Contract specifications, drawings, correspondence, and other information specified and required by the Contractor and relating to its work under any Contract. The County reserves its rights of ownership to all material given to the Contractor by the County and to all background information documents, and computer software and documentation developed by the Contractor in performing any Contract.
- 36. DOCUMENTS:** All documents, including but not limited to data compilations, drawings, reports and other material, whether in hard copy or electronic format, prepared, developed or furnished by the Contractor pursuant to any Contract shall be the sole property of the County. At the direction of the County, the Contractor shall have the right to make copies of the documents produced available to other parties. The County shall be entitled to delivery of possession of all documents, upon payment in accordance with the terms of any Contract for the service incurred to produce such documents.

37. CONFIDENTIALITY: Contractor shall not publish, copyright or otherwise disclose or permit to be disclosed or published, the results of any work performed pursuant to this contract, or any particulars thereof, including forms or other materials developed for the County in connection with the performance by Contractor of its services hereunder, without prior written approval of the County. Contractor, cognizant of the sensitive nature of much of the data supplied by the County, shall not disclose any information (other than information which is readily available from sources available to the general public) obtained by it in the course of providing services hereunder without the prior written approval of the County, unless disclosure of such information by it is required by law, rule or regulation or the valid order of a court or administrative agency.

38. INDEPENDENT CONTRACTOR: The Contractor and any agents, or employees of the Contractor, in the performance of any Contract shall act as an independent contractor and not as officers, employees or agents of the County.

39. INSURANCE: The Contractor agrees that, during the period of time it renders services to the County pursuant to any Contract, it shall carry (and provide the County with evidence of coverage) the following minimum amounts of insurance:

Automobile	\$500,000	Liability Medical Payment Comprehensive Collision
Public Liability	\$1,000,000	
Professional Liability	\$1,000,000	
Excess Liability	\$2,000,000	Aggregate Over Above Policy Limits (Excluding Professional Liability)
Worker's Compensation	Amount required by Virginia law	

The Contract may specifically require the Contractor to carry higher minimum amounts of insurance.

In addition, the Contractor shall require, and shall include in every subcontract, that any subcontractor providing any goods or services related to such Contract obtain, and continue to maintain for the duration of the work, workers' compensation coverage in the amount required by Virginia law.

40. KEY PERSONNEL: For the duration of any Contract, the Contractor shall make no substitutions of key personnel unless the substitution is necessitated by illness, death, or termination of employment, or as expressly approved by the County. The Contractor

shall notify the County within five (5) calendar days after the occurrence of any of these events and provide the information required by the paragraph below.

The Contractor shall provide a detailed explanation of the circumstances necessitating any proposed substitution, complete resumes for the proposed substitute, and any additional information requested by the County. The proposed substitute should have comparable qualifications to those of the person being replaced. The County will notify the Contractor within fifteen (15) calendar days after receipt of all required information of its approval or disapproval of the proposed substitution.

- 41. SEVERABILITY:** If any term, covenant or provision of these General Conditions or any Contract shall be held to be invalid, illegal or unenforceable in any respect, these General Conditions and any Contract shall remain in effect and be construed without regard to such provision.
- 42. TITLES:** The titles and section headings herein and in any Contract are inserted solely for convenience and are not to be construed as a limitation on the scope of the provisions to which they refer.
- 43. ATTORNEYS' FEES:** In the event of a dispute between the County and Contractor under any Contract which cannot be amicably resolved, in addition to all other remedies, the party substantially prevailing in any litigation shall be entitled to recover its reasonable expenses, including, but not limited to, reasonable attorneys' fees.
- 44. NO WAIVER:** Neither any payment for, nor acceptance of, the whole or any part of the services by the County, nor any extension of time, shall operate as a waiver of any provision of any Contract, nor of any power herein reserved to the County, or any right to damages herein provided, nor shall any waiver of any breach of any Contract be held to be a waiver of any other or subsequent breach. Failure of the County to require compliance with any term or condition of any Contract shall not be deemed a waiver of such term or condition or a waiver of the subsequent enforcement thereof.
- 45. NO FINANCE CHARGES:** No finance charges shall be paid by the County.
- 46. ANTITRUST:** By entering into a Contract, the Contractor conveys, sells, assigns, and transfers to the County all rights, title and interest in and to all causes of the action it may now have or hereafter acquire under the antitrust law of the United States or the State, relating to the particular Goods or Services purchased or acquired by the County under said Contract. Consistent and continued tie bidding could cause rejection of Bids by the County and/or investigation for antitrust violations.
- 47. PAYMENT:** Pursuant to Virginia Code § 2.2-4352, unless more time is provided in the Solicitation or Contract, payment will be made forty-five (45) days after receipt by the County of a proper invoice, or forty-five (45) days after receipt of all Goods or acceptance of work, whichever is later. The County reserves the right to withhold any or all payments or portions thereof for Contractor's failure to perform in accordance with the

provision of the Contract or any modifications thereto. Within twenty (20) days of receipt of proper invoice or of goods or services, the County shall notify the Contractor if any defect or impropriety that would prevent payment by the payment date. The following provisions apply to such payments:

- a. Invoices for items/Services ordered, delivered/performed and accepted shall be submitted by the Contractor in duplicate directly to the payment address shown on the purchase order, Solicitation or Contract, as applicable. All invoices shall show the Contract number, purchase order number, or Solicitation number, as applicable, and as required under Virginia Code § 2.2-4354, either the individual Contractor's social security number or the Contractor's federal employer identification number, whichever is applicable.
- b. Any payment terms requiring payment in less than forty-five (45) days will be regarded as requiring payment forty-five (45) days after receipt of proper invoice or receipt of all Goods or acceptance of work, whichever occurs later. Notwithstanding the foregoing, offers of discounts for payment in less than forty-five (45) days are valid and enforceable.
- c. Pursuant to Virginia Code § 2.2-4353, the date any payment shall be deemed the date of postmark in all cases where payment is made by mail.
- d. The County's fiscal year is July 1 to June 30. Contractors are advised to submit invoices, especially for Goods and/or Services provided in the month of June, for the entire month (i.e. June 1 - June 30), so that expenses are recognized in the appropriate fiscal year.
- e. Any payment made by the Contractor to the County shall only be made in U.S. Dollars. If payment is received in foreign currency the County may, in its sole discretion, reject such payment and require immediate compensation in U.S. Dollars.

48. SUBCONTRACTORS: Pursuant to Virginia Code § 2.2-4354, in the event that any subcontractors are used by Contractor in connection with the work, Contractor shall:

- a. Within seven (7) days after receipt of amounts paid to the Contractor for work performed by a subcontractor, either:
 - i. Pay the subcontractor for the proportionate share of the total payment received attributable to the work performed by the subcontractor under any Contract; or
 - ii. Notify the County and subcontractor, in writing, of his intention to withhold all or a part of the subcontractor's payment with the reason for nonpayment.

- b. Contractor shall require each subcontractor to provide either (i) for an individual, their social security numbers, or (ii) for proprietorships, partnerships, and corporations to provide their federal employer identification numbers.
- c. The Contractor shall pay interest to any subcontractor on all amounts owed by the Contractor that remain unpaid after seven days following receipt by the Contractor of payment from the County for work performed by the subcontractor under any Contract, except for amounts withheld as allowed in subdivision (a)(II) above. Unless otherwise provided under the terms of any Contract, interest shall accrue at the rate of one percent (1%) per month.
- d. The Contractor shall include in each of its subcontracts under any Contract a provision requiring each subcontractor to include or otherwise be subject to the above payment and interest requirements (a), (b) and (c) with respect to each lower tier subcontractor.
- e. The Contractor's obligation to pay an interest charge to a subcontractor pursuant to the payment clause in this Section 48 shall not be construed to be an obligation of the County. No Contract modification may be made for the purpose of providing reimbursement for such interest charge. No cost reimbursement claim may include any amount for reimbursement for such interest charge.

49. RETAINAGE ON CONSTRUCTION CONTRACTS: Pursuant to Virginia Code 2§ 2.2-4333, if a Contract for construction provides for progress payments in installments based upon an estimated percentage of completion, then the contractor shall be paid at least ninety-five percent (95%) of the earned sum when payment is due, with no more than five percent (5%) being retained to ensure faithful performance of the contract. All amounts withheld may be included in the final payment. Any subcontract related to work on a Contract that provides for similar progress payments shall be subject to the provisions above and the Contractor agrees to include such provisions in every subcontract.

50. SUCCESSORS AND ASSIGNS: The County and the Contractor bind themselves and their respective successors and assigns to any Contract. The foregoing notwithstanding, the Contractor shall not assign, sublet or transfer its interest in any Contract without the prior written consent of the County, which may be granted or withheld in the County's sole discretion. Nothing hereinafter mentioned shall be construed as creating any personal liability on the part of any officer, agent or employee of the County, nor shall it be construed as giving any benefits hereunder to anyone other than the County and the Contractor.

51. DEFAULT: Failure of a Contractor to deliver Goods or Services in accordance with Contract terms and conditions and/or within the time specified, or within reasonable time as interpreted by the County in its sole discretion, or failure to make replacements/corrections of rejected articles/services when so requested, immediately or as directed by the County, or failure of the Contractor to act in accordance with the Contract in any material respect, as reasonably determined by the County, shall constitute

a “default” by the Contractor and shall further authority for the County to purchase in the open market articles/services of comparable grade/quality to replace the services, articles rejected, and/or not delivered. On all such purchases, the Contractor shall reimburse the County, within a reasonable time specified by the County, for any expense incurred in excess of Contract prices including, but not limited to, any purchase and administrative costs. Such purchases shall be deducted from the Contract quantities, if applicable. Should public necessity demand it, the County reserves the right to use or consume articles delivered or services performed which are substandard in quality, subject to an adjustment in price to be determined by the County. In case of any default, the County, after due oral or written notice if required in accordance with the Contract, may terminate the Contract at its option in its sole discretion effective immediately. These remedies shall be in addition to any other remedies which the County may have, including but not limited to, any remedies at law, under the Contract or in equity.

Notwithstanding the foregoing, the Contractor shall not be liable for damages for delay in shipment or failure to deliver when such delay or failure is the result of fire, flood, strike, act of God, act of Government, act of an alien enemy or by any other circumstances which, in the County's opinion, are beyond the control of the Contractor. Under such circumstances, however, the County may, at its sole discretion, terminate or cancel the Contract effective immediately.

52. NON-DISCRIMINATION ASSURANCES: The Contractor shall conform to the provisions of the Federal Civil Rights Act of 1964, as amended, as well as the Virginia Fair Employment Act of 1975, as amended, where applicable, and § 2.2-4311 of the Virginia Procurement Act:

- a. During the performance of any Contract, the Contractor agrees as follows: the Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, disability, or other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the Contractor. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause. The Contractor, in all Solicitations or advertisements for employees placed by or on behalf of the Contractor, will state that such Contractor is an equal opportunity employer. Notices, advertisements and Solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this Section 52.
- b. The Contractor shall include the provisions of paragraph (a) above in every subcontract or purchase over \$10,000.00 so that the provisions will be binding upon each subcontractor or Vendor.

53. MODIFICATION:

- a. Pursuant to Virginia Code § 2.2-4309, these General Conditions and any Contract entered into by the County and any Contractor shall not be subject to change, modification, or discharge except by written instrument signed by the County and Contractor, but no fixed-price contract may be increased by more than twenty-five percent (25%) of the amount of the contract or \$50,000, whichever is greater, without the advance written approval of the County's Board. In no event may the amount of any contract, without adequate consideration, be increased for any purpose, including, but not limited to, relief of an offeror from the consequences of an error in its bid or offer.
- b. The County may, but is not obligated to, extend the term of an existing contract for services to allow completion of any work undertaken but not completed during the original term of the contract.
- c. Nothing in this Section 53 shall prevent the County from placing greater restrictions on contract modifications.

54. INDEMNIFICATION: Contractor agrees to indemnify, keep and save harmless the Architect, County and their officers, agents, officials, employees and volunteers against any and all claims, claims of injuries, death, damage to property, patent claims, suits, liabilities, judgments, losses, costs and expenses, including but not limited to costs of investigation, all reasonable attorneys' fees (whether or not litigation results), and the cost of any appeal, occurring or arising in connection with the Contractor's, its agents', subcontractors', employees', or volunteers' negligence or wrongful acts or omissions in connection with its performance of any Contract. The Contractor shall, at his or her own expense, appear, defend and pay all charges of attorneys and all costs and other expenses arising therefrom or incurred in connection therewith; and if any judgment shall be rendered against the County in any such action, the Contractor shall, at his or her own expenses, satisfy and discharge the same. Contractor expressly understands and agrees that any performance bond or insurance protection required by any Contract, or otherwise provided by the Contractor, shall in no way limit the responsibility to indemnify, keep and save harmless and defend the County as herein provided. Nothing contained in this Solicitation or the Contract shall be deemed to be a waiver of the County's sovereign immunity.

55. DRUG-FREE WORKPLACE: Pursuant to Virginia Code § 2.2-4312, in every Contract over \$10,000.00 the following provisions apply: During the performance of any Contract, the Contractor agrees to (i) provide a drug-free workplace for the Contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a Statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the Contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all Solicitations or advertisements for employees placed by or on behalf of the Contractor that the Contractor maintains a drug-free workplace; and (iv) include the provisions of the

foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

For the purposes of this Section, “*drug-free workplace*” means a site for the performance of work done in connection with a specific Contract awarded to a Contractor in accordance with this the VPPA and the County’s Procurement Procedures, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the Contract.

56. TERMINATION: Contracts will remain in force for full periods specified and/or until all articles ordered before date of termination shall have been satisfactorily delivered and accepted and thereafter until all requirements and conditions shall have been met, unless:

- a. Terminated prior to expiration date by satisfactory deliveries of entire Contract requirements;
- b. Terminated by the County upon thirty (30) days written notice to the Contractor at the County’s convenience in the County’s sole discretion (“termination for convenience”), unless a termination for convenience is specifically and expressly prohibited by the Contract. Any Contract cancellation notice shall not relieve the Contractor of the obligation to deliver and/or perform on all outstanding orders issued prior to the effective date of the termination;
- c. Terminated by the County for cause, default or negligence on the part of the Contractor. However, pursuant to Section 51 of these General Conditions, the County may hold the Contractor responsible for any resulting additional purchase and administrative costs. There is no advance notice requirement in the event of Termination for Cause and termination is effective immediately upon notice to Contractor of the termination for cause;
- d. Extended upon written authorization of County and accepted by Contractor, to permit ordering of unordered balances or additional quantities at Contract prices and in accordance with Contract terms.

57. APPROPRIATIONS: Notwithstanding any other provision of any Contract, the payment of the County's obligations under any Contract shall be subject to annual appropriations by the Board of Supervisors of the County in each fiscal year of monies sufficient to satisfy the same.

58. REFERENCES TO VIRGINIA LAW: Any reference in these General Conditions to the Code of Virginia or other relevant Federal, State or local law is incorporated in whole herein by reference as in effect at the time of the Solicitation or Contract as such statutory provisions may be amended or replaced by any statute dealing with the same or similar subject matter.

59. COOPERATIVE PROCUREMENT: Except as prohibited by the current Code of Virginia, all resultant Contracts will be extended to other Public Bodies of the Commonwealth of Virginia, to permit their ordering of Goods, supplies and/or Services at the prices and terms of the resulting Contract (“cooperative procurement”). By submitting any Bid or entering into any Contract with the County a Bidder/Contractor expressly authorizes cooperative procurement under Virginia Code § 2.2-4304 to the full extent permitted by law. If any other public body decides to use any Contract, the Contractor must deal directly with that public body concerning all matters relating thereto, including but not limited to, the placement or orders, issuance of the purchase order, contractual disputes, invoicing and payment. The County acts only as the “Contracting Agent” for these public bodies. Any resulting contract with other public bodies shall be governed by the laws of that specific entity. It is the Contractor’s responsibility to notify the public bodies of the availability of the Contract. Fluvanna County shall not be held liable for any direct or indirect costs, damages or other claim of any kind incurred by another public body or any Contractor as a result of any cooperative procurement.

60. AUDIT: The Contractor hereby agrees to retain all books, records and other documents relative to any Contract for five (5) years after final payment, or until audited by the County, whichever is sooner. The County, its authorized agents, and/or County auditors shall have full access to and right to examine any of said materials during said period.

61. GUARANTIES AND WARRANTIES: All guarantees, representations and warranties required shall be furnished by the Contractor and shall be delivered to the Purchasing Agent before final payment on any Contract is made. In addition to any guarantees, representations and warranties required under the Contract, the Contractor agrees to:

- a. Save the County, its agents and employees harmless from liability of any nature or kind for the use of any copyrighted or un-copyrighted composition; secret process, patented or unpatented; invention; article or appliance furnished or used in the performance of a Contract for which the Contractor is not the patentee, assignee, licensee or owner;
- b. Protect the County against latent defective material or workmanship and to repair or replace any damages or marring occasioned in transit or delivery;
- c. Furnish adequate protection against damage to all work and to repair damages of any kind to the building, site, or equipment, to the Contractor’s own work or to the work of other contractors, for which the Contractor’s workers are responsible;
- d. Pay for all permits, licenses and fees and give all notices and comply with all laws, ordinances, rules and regulations of the County; and
- e. Protect the County from loss or damage to County owned property while it is in the custody of the Contractor;

- f. At minimum supply all Goods or Services with the manufacturer's standard warranty, if applicable; and
- g. For any Contract involving Services of any nature, the Contractor further agrees to:
 - i. Enter upon the performance of Services with all due diligence and dispatch, assiduously press to its complete performance, and exercise therein the highest degree of skill and competence;
 - ii. Allow Services to be inspected or reviewed by an employee of the County at any reasonable time and place selected by the County;
 - iii. Acknowledges that the County shall be under no obligation to compensate Contractor for any Services not rendered in strict conformity with the Contract; and
 - iv. Stipulates that the presence of a County Inspector shall not lessen the obligation of the Contractor for performance in accordance with the Contract requirements, or be deemed a defense on the part of the Contractor for infraction thereof. The Inspector is not authorized to revoke, alter, enlarge, relax, or release any of the requirements of any Contract Any omission or failure on the part of the Inspector to disapprove or reject any work or material shall not be construed to be an acceptance of any such defective work or material.

62 PRICE REDUCTIONS: If at any time after the date of the Bid/Contract the Contractor makes a general price reduction in the comparable price of any material covered by the Contract to customers generally, an equivalent price reduction based on similar quantities and/or considerations shall apply to any Contract for the duration of the Contract period (or until the price is further reduced). Such price reduction shall be effective at the same time and in the same manner as the reduction in the price to customers generally. For purpose of this provision, a "general price reduction" shall mean any horizontal reduction in the price of an article or service offered (1) to Contractor's customers generally, or (2) in the Contractor's price schedule for the class of customers, i.e., wholesalers, jobbers, retailers, etc., which was used as the basis for bidding on this Solicitation. An occasional sale at a lower price, or sale of distressed merchandise at a lower price, would not be considered a "general price reduction" under this provision. The Contractor shall submit his or her invoice at such reduced prices indicating on the invoice that the reduction is pursuant to the "Price Reduction" provision of the Contract documents. The Contractor in addition will within ten (10) days of any general price reduction notify the County of such reduction by letter. FAILURE TO DO SO IS A DEFAULT UNDER THE CONTRACT AND MAY RESULT IN TERMINATION OF THE CONTRACT IN THE COUNTY'S DISCRETION. The Contractor, if requested, shall furnish, within ten (10) days after the end of the Contract period, a statement certifying either (1) that no general price reduction, as defined above, was made after the date of the Bid or Contract, or (2) if any such general price reductions were made, that as provided above, they were reported to the County within ten (10) days and the County was billed at the reduced prices. Where one or more such general price reductions were made, the statement furnished by

the Contractor shall include with respect to each price reduction (1) the date when notice of any such reduction was issued, (2) the effective date of the reduction, and (3) the date when the County was notified of any such reduction.

63. COMPLIANCE WITH IMMIGRATION LAW: Pursuant to Virginia Code § 2.2- 4311.1, in every Contract the following provision applies: the Contractor does not, and shall not during the performance of the Contract, knowingly employ an unauthorized alien as defined in the federal Immigration Reform and Control Act of 1986.

64. VIRGINIA STATE CORPORATION COMMISSION: Pursuant to Virginia Code § 2.2-4311.2, Any Bidder or Contractor organized as a stock or non-stock corporation, limited liability company, business trust, or limited partnership or registered as a registered limited liability partnership shall be authorized to transact business in the Commonwealth as a domestic or foreign business entity if so required by Title 13.1 or Title 50 of the Code of Virginia, or as otherwise required by law, at the time of the Bid, Proposal or any response to Solicitation and during the term of the Contract and any Contract renewal. The Contractor shall not allow its existence to lapse or its certificate of authority or registration to transact business in the Commonwealth, if so required, to be revoked or cancelled at any time during the term or any renewal of the Contract. If the Contractor fails to remain in compliance with the provisions of this Section 64, the Contract may become void at the option of the County.

65. CLAIMS PROCEDURE:

- a. The procedure for consideration by the County of contractual claims for any Contract shall be that set forth in Virginia Code § 15.2-1243, *et seq.*
- b. In addition, pursuant to Virginia Code § 2.2-4364, contractual claims, whether for money or other relief, shall be submitted in writing to the County Administrator no later than sixty (60) days after final payment; however, written notice of the Contractor's intention to file such claim shall have been given at the time of the occurrence or beginning of the work upon which the claim is based. Nothing herein shall preclude a Contract from requiring submission of an invoice for final payment within a certain time after completion and acceptance of the work or acceptance of the Goods. Pendency of claims shall not delay payment of amount agreed due in the final payment.
- c. No written decision denying a claim or addressing issues related to the claim shall be considered a denial of the claim unless the written decision is signed by the Board or the County Administrator. The contractor may not institute legal action prior to receipt of the final written decision on the claim unless the County fails to render a decision within ninety (90) days of submission of the claim. Failure of the County to render a decision within ninety (90) days shall not result in the contractor being awarded the relief claimed or in any other relief or penalty. The sole remedy for the County's failure to render a decision within 90 days shall be the contractor's right to institute immediate legal action.

- d. A Contractor may not institute legal action, prior to receipt of the County's decision on the claim, unless the County fails to render such decision within the time specified by law. A failure by the County to render a decision within the time provided by law shall be deemed a final decision denying the claim by the County.
 - e. The decision of the Board or the County Administrator shall be final and conclusive unless the Contractor appeals within six (6) months of the date of the final written decision by instituting legal action as provided in Virginia Code § 2.2-4364.
 - f. No administrative appeals procedure pursuant to Virginia Code § 2.2-4365 has been adopted for contractual claims by the County.
 - g. Nothing herein shall be construed to prevent the County from instituting legal action against any Contractor or Bidder.
- 66. NOTICES:** All written notices required or permitted under any Solicitation, Bid or Contract shall be deemed sufficient if delivered in person to the County Purchasing Agent or Bidder/Contractor, as applicable, or sent by first class mail to the County or Bidder/Contractor at the addresses set forth in the Solicitation, Bid or Contract or at such other address as a party may designate from time to time by notice given in accordance with the terms of this Section 66; except that where a Solicitation, Bid or Contract expressly requires notice to a specific individual or at a specific location, such shall control. Such notices are deemed received when actually delivered to the party or its representative or agent if hand delivered, or one (1) business day after deposited into the United States mail, if mailed.

DELIVERY

- 67. SHIPPING INSTRUCTIONS-CONSIGNMENT:** Unless otherwise specified in the Solicitation or Contract, as applicable, each case, crate, barrel, package, etc., delivered under the Contract must be plainly stenciled or securely tagged, stating the Contractor's name, purchase order number, and delivery address as indicated in the order. Where shipping containers are to be used, each container must be marked with the purchase order number, name of the Contractor, the name of the item, the item number, and the quantity contained therein. Deliveries must be made within the hours of 8:00 a.m. – 3:00 p.m. Deliveries at any other time will not be accepted unless specific arrangements have been previously made with the designated individual at the delivery point. No deliveries will be accepted on Saturdays, Sundays and holidays unless previous arrangements have been made. It shall be the responsibility of the Contractor to insure compliance with these instructions for items that are drop-shipped.
- 68. RESPONSIBILITY FOR SUPPLIES TENDERED:** The Contractor shall be responsible for the materials or supplies covered by the Contract until they are delivered

at the designated point. The Contractor shall additionally bear all risk on rejected materials or supplies after notice of rejection is tendered by the County. Rejected materials or supplies must be removed by and at the expense of the Contractor promptly after notification of rejection, unless public health and safety require immediate destruction or other disposal of rejected delivery. If rejected materials are not removed by the Contractor within ten (10) days after date of notification, the County may return the rejected materials or supplies to the Contractor at the Contractor's risk and expense or dispose of them as abandoned property.

- 69. INSPECTIONS:** The County reserves the right to conduct any test/inspection it may deem advisable to assure supplies and Services conform to the specification in the Solicitation, Bid or Contract, as applicable. Inspection and acceptance of materials or supplies will be made after delivery at destinations herein specified unless otherwise stated. Unless otherwise specified in the Contract, if inspection is made after delivery at the destination specified, the County will bear the expense of inspection except for the value of samples used in case of rejection. Final inspection shall be conclusive except in regard to latent defects, fraud or such gross mistakes as to amount to fraud. Final inspection and acceptance or rejection of the materials or supplies will be made as promptly as practicable, but failure to inspect and accept or reject materials or supplies shall not impose liability on the County for such materials or supplies as are not in accordance with the specifications.
- 70. COMPLIANCE:** Delivery must be made as ordered and in accordance with the Solicitation, Bid or Contract, as applicable, or as directed by the County when not in conflict with the Bid/Contract. The decision as to reasonable compliance with delivery terms shall be final. Burden of proof of delay in receipt of Goods by the purchaser shall rest with the Contractor. Any request for extension of time of delivery from that specified must be approved by the County, such extension applying only to the particular item or shipment affected. Unless otherwise specified in the Contract, should the Contractor be unreasonably delayed by the County, there shall be added to the time of completion a time equal to the period of such delay caused by the County. However, the Contractor shall not be entitled to claim damages or extra compensation for such delay or suspension. These conditions may vary for construction Contracts.
- 71. POINT OF DESTINATION:** All materials shipped to the County must be shipped F.O.B. DESTINATION unless otherwise stated specifically in the Solicitation, Bid or Contract, as applicable. The materials must be delivered to the "Ship To" address indicated on the purchase order or Solicitation, as applicable.
- 72. REPLACEMENT:** Materials or components that have been rejected by the County, in accordance with the terms of the Contract, shall be replaced by the Contractor at no cost to the County.
- 73. DAMAGES:** Any and all damages to property of the "County" that is the direct result of the Contractor, the employees of the Contractor and/or its subcontractors, agents, licensees, successors, or assigns, shall be the sole responsibility of the Contractor. The property shall be repaired to its last known condition prior to the damages and/or replaced at no cost to the County. The County shall approve any and all repairs/replacements prior to acceptance of the repairs/replacement.
- 74. PACKING SLIPS OR DELIVERY TICKETS:** All shipments shall be accompanied by Packing Slips or Delivery Tickets and shall contain the following information for each item delivered:

- a. Purchase Order Number;
- b. Name of Article and Stock Number;
- c. Quantity Ordered;
- d. Quantity Shipped;
- e. Quantity Back Ordered; and
- f. The Name of the Contractor.

Contractors are cautioned that failure to comply with these conditions shall be considered sufficient reason for refusal to accept the Goods.

- 75. ADDITIONAL CHARGES:** No delivery charges of any kind shall be added to any invoice; except that (i) if Goods are expressly bought F.O.B. "shipping point" under the Contract and the Contractor prepays transportation, then delivery charges shall be added to invoices; and (ii) if express delivery is authorized and substituted by the County on orders for the method specified in the Contract, then the difference between freight or mail and express charges may be added to invoice.
- 76. METHOD AND CONTAINERS:** Unless otherwise specified, Goods shall be delivered in commercial packages in standard commercial containers, so constructed as to ensure acceptance by common or other carrier for safe transportation to the point of delivery. Containers become the property of the County unless otherwise specified by bidder.



COUNTY OF FLUVANNA

"Responsive & Responsible Government"

132 Main Street
P.O. Box 540
Palmyra, VA 22963
(434) 591-1910
Fax (434) 591-1911
www.fluvannacounty.org

IFB 2021-01	INVITATION TO BID: Fluvanna County – Basement Renovation	BID OPENING: September 23, 2020 AT 2:00 p.m.
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NOTICE TO ALL BIDDERS: All equipment and/or services provided under this invitation for Bid shall conform to the specifications and all terms and conditions as set forth.

Have all Specifications included in this Invitation for Bid been met?

Yes No

If no, please list all exceptions in detail on separate sheet.

Person to Contact regarding this Bid: _____

Title: _____ Phone: _____

Email Address: _____

Name of person Authorized to bind the bidding firm: _____

Signature: _____ Date: _____

Name of Bidder: _____

Address of Bidder: _____

By signing this bid, Bidder certifies, acknowledges, understands and agrees to be bound by the conditions set forth in the contents of the IFB including all attachments and exhibits thereto (including without limitation the County's General Terms, Conditions and Instructions to Bidders and Contractors), and their Bid.

Work Description	Price
LUMP SUM COST FOR BASEMENT RENOVATION	

ADDITION AND RENOVATIONS

MULTIPURPOSE ROOM

FLUVANNA COUNTY
AUGUST 28, 2020



CRABTREE, ROHRBAUGH & ASSOCIATES - ARCHITECTS

250 WEST MAIN STREET, SUITE 200

CHARLOTTESVILLE VA 22902

Phone: (434) 975-7262

www.cra-architects.com



IMAGE FOR GRAPHIC REPRESENTATION ONLY. IMAGE
MAY VARY FROM ACTUAL PROJECT REQUIREMENTS.

MEP ENGINEER
CMTA

315 West Broad Street
ADDRESS LINE 2
Richmond, VA 23220
804-495-8461
www.cmta.com

**STRUCTURAL
ENGINEER**

DMWPV
110 Third Street
ADDRESS LINE 2
Charlottesville, VA 22902
434-293-5171
www.dmwvp.com

CIVIL ENGINEER
TIMMONS GROUP

608 Preston Avenue
Suite 200
Charlottesville, VA 22903
434-295-5624
www.timmons.com

LEGEND

<p>MATERIALS</p> <p>UNDISTURBED EARTH</p> <p>CONTROLLED FILL</p> <p>CONCRETE</p> <p>GRANULAR FILL</p> <p>CONC MASONRY UNIT</p> <p>FACE MASONRY UNITS</p> <p>WOOD BLOCKING</p> <p>RIGID INSULATION</p> <p>BATT INSULATION</p>	<p>SYMBOLS</p> <p>SECTION</p> <p>SECTION OR DETAIL NO.</p> <p>SHEET NO.</p> <p>BUILDING SECTION</p> <p>SECTION INDICATOR</p> <p>BUILDING SECTION SHEET NO.</p> <p>DETAIL</p> <p>DETAIL NO.</p> <p>DETAIL SHEET NO.</p> <p>EXTERIOR ELEVATION</p> <p>ELEVATION NO.</p> <p>ELEVATION SHEET NO.</p> <p>INTERIOR ELEVATION</p> <p>ELEVATION NO.</p> <p>ELEVATION SHEET NO.</p> <p>DOOR TAG</p> <p>DOOR NUMBER</p> <p>WINDOW TAG</p> <p>WINDOW ELEVATION</p> <p>WALL TYPE TAG</p> <p>WALL IDENTIFICATION</p> <p>MILLWORK SECTION</p> <p>SECTION OR DETAIL NO.</p> <p>DETAIL SHEET NO.</p> <p>ROOM TAG</p> <p>ROOM NAME</p> <p>BLDG. & ROOM NO.</p> <p>NORTH ARROW</p>
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ARCHITECTURAL DRAWING NO. DESIGNATIONS

A1.1	INDICATES FLOOR PLANS
A1.1	INDICATES SHEET NUMBER
A2.1	INDICATES ELEVATIONS
A2.1	INDICATES SHEET NUMBER
A3.1	INDICATES SECTIONS
A3.1	INDICATES SHEET NUMBER
A4.1	INDICATES LARGE SCALE PLANS
A4.1	INDICATES SHEET NUMBER
A5.1	INDICATES GENERAL DETAILS
A5.1	INDICATES SHEET NUMBER
A6.1	INDICATES SCHEDULES AND FRAME ELEVATIONS
A6.1	INDICATES SHEET NUMBER
I4.1	INDICATES INTERIOR LARGE SCALE LAYOUTS
I4.1	INDICATES SHEET NUMBER
I7.1	INDICATES FLOOR PATTERN LAYOUTS
I7.1	INDICATES SHEET NUMBER

ARCHITECTURAL ABBREVIATIONS

THIS ABBREVIATION LIST IS A STANDARD AND NOT ALL ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT

ABV ABOVE	AC ACOUSTICAL	ACT ACOUSTICAL CEILING TILE	AED AUTOMATED EXTERNAL DEFIBRILLATOR	AFF ABOVE FINISH FLOOR	ALUM ALUMINUM	ALT ALTERNATE	AP ACCESS PANEL	ARCH ARCHITECT (URAL)	BD BOARD	BIT BITUMINOUS	BLDG BUILDING	BLK BLOCKING	BM BENCH MARK	BOT BOTTOM	BRG BEARING	BSMT BASEMENT	CLR CLEAR	CL CENTERLINE	CJ CONTROL JOINT	CLG CEILING	CMU CONCRETE MASONRY UNIT	COL COLUMN	CONC CONCRETE	CONT CONTINUOUS	CONST CONSTRUCTION	CONTR CONTRACTOR	COORD COORDINATE	CT CERAMIC TILE	DEMO DEMOLITION	DET DETAIL	DF DRINKING FOUNTAIN	DM DIMENSION	DN DOWN	DR DOOR	DS DOWNSPOUT	DWG DRAWING	EA EACH	EC ELECTRICAL CONTRACTOR	EJ EXPANSION JOINT	EL ELEVATION	ELEC ELECTRICAL	ELEV ELEVATOR	ENT ENTRANCE	EQ EQUAL	EQUIP EQUIPMENT	EX EXISTING	EXP EXPOSED	EXT EXTERIOR	EW EACH WAY	FD FLOOR DRAIN	FE FIRE EXTINGUISHER (CABINET)	FFE FINISHED FLOOR ELEVATION	FIN FINISHED	FL FLOOR	FRP FIBERGLASS REINFORCED PANEL	FRF FIRE RETARDANT	FT FOOT or FEET	GA GAUGE	GALV GALVANIZED	GC GENERAL CONTRACTOR	GFCMU GROUND FACE CONCRETE MASONRY UNIT	GL GLASS	GCMU GLAZED CONCRETE MASONRY UNIT	GWB GYPSUM WALL BOARD	GWBAR GYPSUM WALL BOARD ABUSE RESISTANT	GWBMR GYPSUM WALL BOARD MOISTURE RESISTANT	GWBFR GYPSUM WALL BOARD FIRE RATED	HC HANDICAPPED	HOW HARDWARE	HGT HEIGHT	HP HIGH POINT	HM HOLLOW METAL	HORIZ HORIZONTAL	HVAC HEATING, VENTILATION & AIR CONDITIONING	ID INSIDE DIAMETER	INFO INFORMATION	INSUL INSULATION	INT INTERIOR	INV INVERT	JST JOIST	JT JOINT	KIT KITCHENETTE	LAM LAMINATE	LAV LAVATORY	LB POUND	LF LINEAL FEET	LLH LONG LEG HORIZONTAL	LLV LONG LEG VERTICAL	LP LOW POINT	MFR MANUFACTURER	MAT MATERIAL	MAX MAXIMUM	MC MECHANICAL CONTRACTOR	MECH MECHANICAL	MEP MECHANICAL ELECTRICAL PLUMBING	MIN MINIMUM	MISC MISCELLANEOUS	MO MASONRY OPENING	MTD MOUNTED or MOUNTING	NIC NOT IN CONTRACT	NO NUMBER	NOM NOMINAL	NTS NOT TO SCALE	OC ON CENTER	OD OUTSIDE DIAMETER	ORNG OPENING	OPP OPPOSITE	PTN PARTITION	PC PLUMBING CONTRACTOR	PL PLATE	PLAM PLASTIC LAMINATE	PLYWD PLYWOOD	PSF POUNDS PER SQUARE FOOT	PSI POUNDS PER SQUARE INCH	PTD PAINTED	QT QUARRY TILE	R RISER or RADIUS	RD ROOF DRAIN	REC RECESSED	RECT RECTANGLE	REINF REINFORCED or REINFORCING	REQD REQUIRED	RM ROOM	RO ROUGH OPENING	RWC RAIN WATER CONDUCTOR	SCH SCHEDULE	SECT SECTION	SF SQUARE FEET	SFCMU SPLIT FACE CONCRETE MASONRY UNIT	SFRM SPRAY-APPLIED FIRE RESISTIVE MATERIAL	SH SHEATHING	SM SIMILAR	SJ SCORE JOINT	SPECS SPECIFICATIONS	SQ SQUARE	SS STAINLESS STEEL	STD STANDARD	STR STRUCTURAL	SYN SYNTHETIC	T TREAD	TG TEMPERED GLASS	THK THICKNESS	TOM TOP OF MASONRY	TOP TOP OF PLANK	TOS TOP OF STEEL	TYP TYPICAL	UL UNDERWRITERS LABORATORIES	UNO UNLESS NOTED OTHERWISE	VCT VINYL COMPOSITION TILE	VERT VERTICAL	VIF VERIFY IN FIELD	WP WATERPROOFING	W WITH	WD WOOD	WG WIRE GLASS
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ABBREVIATION SYMBOLS

@ AT
 C CENTER LINE
 Ø DIAMETER
 +/- PLUS OR MINUS

DRAWING LIST

Sheet Number	Sheet Name
E-001	ELECTRICAL LEGEND
E-100	LIGHTING PLANS
E-200	POWER/SYSTEMS PLANS
E-300	ELECTRICAL DETAILS
E-400	PANEL SCHEDULES
F-001	FIRE SUPPRESSION LEGEND
FA001	FIRE ALARM LEGEND
FA001b	FIRE ALARM LEGEND
G-001	COVER SHEET
G-001b	COVER SHEET (24X36)
M-001	MECHANICAL LEGEND
M-100	MECHANICAL DEMOLITION PLAN
M-200	AIR DISTRIBUTION NEW WORK PLAN
M-201	HYDRONICS NEW WORK PLAN
M-300	MECHANICAL SCHEDULES AND DETAILS
P-001	PLUMBING LEGEND
P-100	UNDERGROUND PLUMBING PLAN
P-101	FIRST FLOOR PLUMBING PLAN
T-001	COMMUNICATIONS LEGEND
T-100	AUDIOVISUAL PLANS
T-200	AUDIOVISUAL DETAILS
T-201	AUDIOVISUAL FLOW DIAGRAMS
T-202	AUDIOVISUAL FLOW DIAGRAMS
GENERAL	
CS.1	COVER SHEET
CS.2	GENERAL INFORMATION
DEMOLITION	
D1.0	DEMOLITION PLAN, ALTERATION NOTES & LEGEND
ARCHITECTURAL	
A1.1	SUB-BASEMENT FLOOR PLAN
A1.2	SUB-BASEMENT REFLECTED CEILING PLAN, ROOF PLAN AND DETAILS
A2.1	EXTERIOR ELEVATIONS
A3.1	BUILDING SECTIONS
A4.1	LARGE SCALE PLANS, SECTIONS AND DETAILS
A5.1	DETAILS
A6.1	ROOM FINISH & SIGNAGE SCHEDULE
A6.2	DOOR SCHEDULE, HOLLOW METAL FRAME ELEVATIONS AND DETAILS
A6.3	ALUMINUM WINDOW ELEVATIONS AND STOREFRONT DETAILS
INTERIORS	
I4.1	OVERALL SUB-BASEMENT FLOORPLAN
I4.2	LARGE SCALE LAYOUTS - ELEVATIONS AND DETAILS
I7.1	OVERALL FINISH & FLOOR PATTERN PLANS
S-001	GENERAL STRUCTURAL NOTES
S-101	FOUNDATION PLAN
S-102	ROOF FRAMING PLAN
S-201	FOUNDATION DETAILS
S-301	FRAMING DETAILS
S-302	ROOF FRAMING DETAILS
S-304	FRAMING DETAILS

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REVISIONS

NO.	MM-DD-YY	NAME	DESCRIPTION OF CHANGES

INTERIOR STUD WALL TYPES

<p>S1</p>	<p>S2</p>	<p>S3</p>	<p>S4</p>	<p>S5</p>	<p>S6</p>	<p>S7</p>
<p>S8</p>	<p>S13</p>	<p>S16</p>				

GYPSUM WALL BOARD LOCATION SCHEDULE	
ABUSE RESISTANT GYPSUM BOARD	<ul style="list-style-type: none"> ALL CLASSROOMS AND OFFICES ALL LOCATIONS SCHEDULED TO RECEIVE GYPSUM WALL BOARD UNLESS NOTED OTHERWISE EXPOSED LAYER AT MULTIPLE LAYERS OF GYPSUM WALL BOARD
GYPSUM WALL BOARD	<ul style="list-style-type: none"> ALL APPLICATIONS ABOVE 8'-0" FINISH FLOOR ALL MULTIPLE LAYER WALLS, EXCEPT THE EXPOSED LAYER
MOLD & MOISTURE RESISTANT GYPSUM BOARD	<ul style="list-style-type: none"> PAINTED WALLS & CEILING IN TOILET ROOMS, LOCKER ROOMS & SHOWERS
CEMENTITIOUS BACKER UNIT	<ul style="list-style-type: none"> AT WALLS SURROUNDING SHOWERS AND TUBS SCHEDULED TO RECEIVE CERAMIC TILE

GENERAL NOTES: WALL TYPES

- ALL INTERIOR WALLS WHICH ARE NOT TAGGED OR OTHERWISE DETAILED SHALL BE TYPE M1.
- ALL WALLS SHALL EXTEND TO WITHIN 2" OF UNDERSIDE OF FLOOR, ROOF OR ROOF STRUCTURE. AT ALL NON-RATED WALLS, INSTALL COMPRESSIBLE FILLER IN JOINT BETWEEN TOP OF PARTITION AND UNDERSIDE OF STRUCTURE ABOVE. AT ALL FIRE-RATED WALLS, INSTALL FIRESTOPPING IN JOINT BETWEEN TOP OF PARTITION AND UNDERSIDE OF STRUCTURE ABOVE.
- PROVIDE THROUGH-PENETRATION FIRE STOP SYSTEMS FOR ALL BUILDING UTILITIES PENETRATING FIRE-RESISTANCE RATED WALL ASSEMBLIES. RATED AT THE SAME FIRE-RESISTANCE RATING AS THE ASSEMBLIES IN WHICH IT IS PENETRATING. OPENINGS IN FIRE-RATED ASSEMBLIES SHALL BE LIMITED TO MINIMUM SIZES TO ACCOMMODATE PENETRATIONS TO ENSURE MAXIMUM INTEGRITY OF THE ASSEMBLIES FIRE-RATING.
- AT STUD WALLS WITH GYPSUM WALL BOARD, PANELS TO EXTEND TO UNDERSIDE OF DECK ABOVE UNLESS NOTED OTHERWISE.
- REFER TO CODE ANALYSIS DRAWINGS FOR LOCATION AND EXTENT OF FIRE-RESISTANCE-RATED ASSEMBLIES.
- SEE SECTIONS, STRUCTURAL DRAWINGS AND ELEVATIONS FOR FURTHER DETAIL OF WALL CONSTRUCTION.

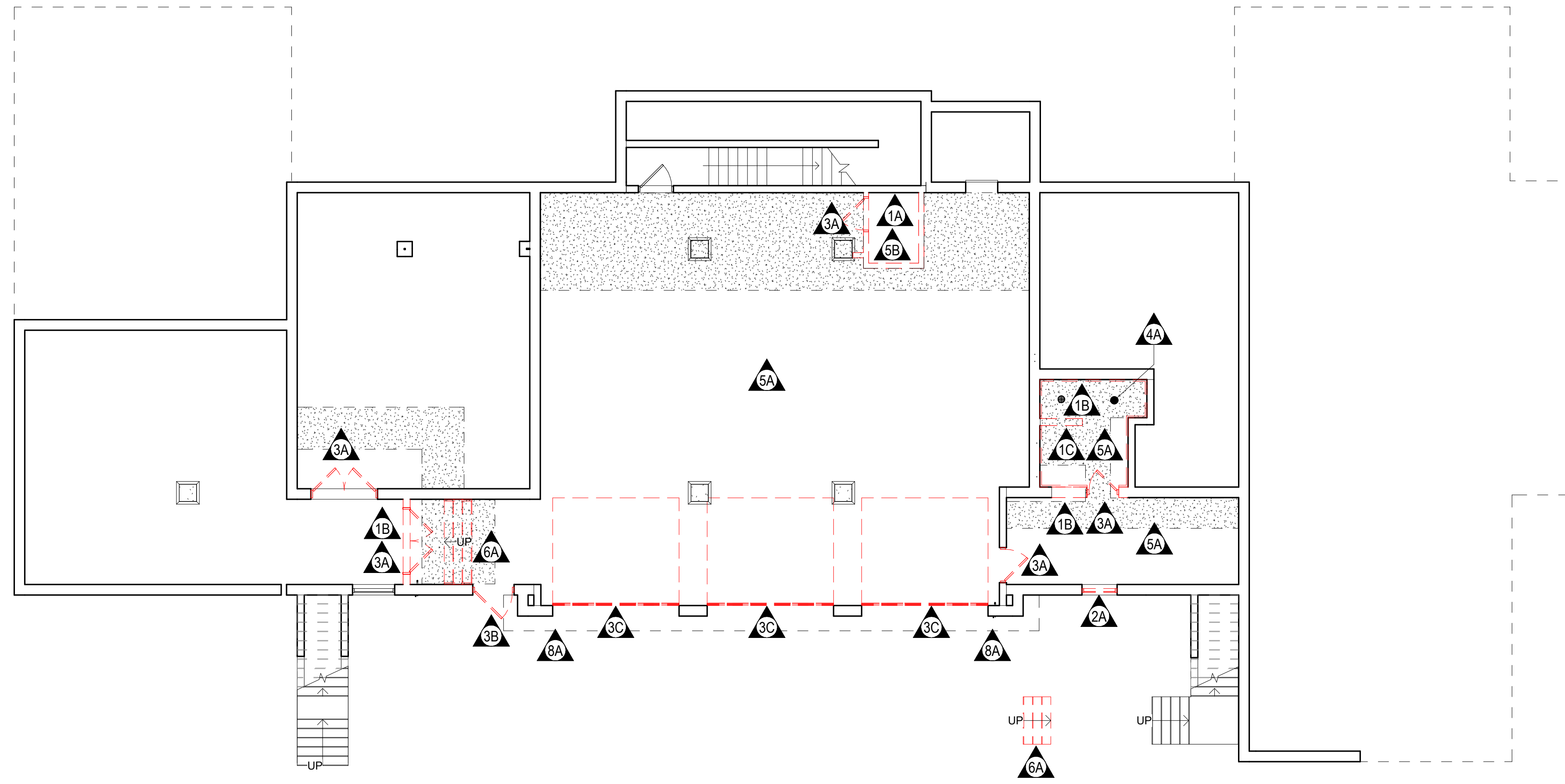
CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
 MECHANICSBURG, PENNSYLVANIA www.cra-architects.com
 TOWSON, MARYLAND
 WHITE SULPHUR SPRINGS, WEST VIRGINIA

250 WEST MAIN STREET, SUITE 200
 CHARLOTTESVILLE VA 22902
 434-975-7262

ADDITION AND RENOVATIONS
MULTIPURPOSE ROOM
 FLUVANNA COUNTY
 132 MAIN STREET
 PALMYRA, VA 22963



GENERAL INFORMATION	PROJECT
PLOT SCALE 1/2" = 1'-0"	
FILENAME:	
DATE AUGUST 28, 2020	



1 SUB-BASEMENT DEMOLITION PLAN
D1.0 1/8" = 1'-0"

ALTERATION LEGEND	
TAG	REMARK
0 - ROOF	
0A	Demolition Note 1
1 - WALL	
1A	REMOVE EXISTING PARTITION AND ALL RELATED COMPONENTS IN ITS ENTIRETY. PATCH AND REPAIR ALL EXISTING SUBSTRATES AND SURFACES TO REMAIN. PREPARE SURFACES TO RECEIVE NEW SCHEDULED WORK AND FINISHES.
1B	REMOVE EXISTING MASONRY PARTITION AND ALL RELATED COMPONENTS IN ITS ENTIRETY. PATCH AND REPAIR ALL EXISTING SUBSTRATES AND SURFACES TO REMAIN. PREPARE SURFACES TO RECEIVE NEW SCHEDULED WORK AND FINISHES.
1C	REMOVE EXISTING THICK SET CERAMIC TILE WAINSCOT IN ITS ENTIRETY. GRIND ALL MORTAR RESIDUE OFF DOWN TO FACE OF EXISTING CMU. PROVIDE SMOOTH CLEAN FINISH TO RECEIVE NEW CONSTRUCTION AND FINISHES. PATCH AND REPAIR ALL EXISTING SUBSTRATES AND SURFACES TO REMAIN. PREPARE SURFACES TO RECEIVE NEW SCHEDULED WORK AND FINISHES.
2 - WINDOW	
2A	REMOVE EXISTING WINDOW, HARDWARE, FRAME AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY. PREPARE ALL SURFACES TO RECEIVE NEW CONSTRUCTION.
3 - DOOR	
3A	REMOVE EXISTING DOOR, HARDWARE, FRAME AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY. PREPARE ALL SURFACES TO RECEIVE NEW CONSTRUCTION.
3B	REMOVE EXISTING DOOR, TRANSOM WINDOW, HARDWARE, FRAME AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY. PREPARE ALL SURFACES TO RECEIVE NEW CONSTRUCTION.
3C	
4 - FLOOR	
4A	REMOVE EXISTING RESILIENT FLOORING IN ITS ENTIRETY. PATCH AND PREPARE EXISTING FLOOR SURFACE TO RECEIVE NEW CONSTRUCTION.
5 - CEILING	
4A	REMOVE EXISTING SUSPENDED ACOUSTICAL TILE CEILING, GRID, HANGERS AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY.
5A	REMOVE EXISTING SUSPENDED ACOUSTICAL TILE CEILING, GRID, HANGERS AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY.
5B	REMOVE EXISTING GYPSUM BOARD CEILING, FRAMING, HANGERS AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY.
6 - STAIR	
6A	
7 - EQUIPMENT/CASEWORK	
7A	NOT USED
8 - MISCELLANEOUS	
8A	REMOVE EXISTING CORNICE, TRIM, FRAMING, FLASHING AND ALL RELATED COMPONENTS. PATCH AND PREPARE EXISTING MASONRY WALL TO RECEIVE NEW CONSTRUCTION.
9 - MEP	
9A	NOT USED

ALTERATION NOTES:

- EXISTING CONDITIONS AS INDICATED ON THE ALTERATION DRAWING(S) MAY VARY WITH ACTUAL CONDITIONS. BEFORE START OF WORK, VERIFY EXISTING CONDITIONS AS RELATED TO COMPLETION OF NEW PROJECT AND/OR SITE IMPROVEMENTS.
- REFER TO CIVIL AND MEP DRAWINGS FOR ADDITIONAL ALTERATION WORK INCLUDING REMOVAL, DISCONNECT AND/OR CAPPING OF EXISTING SERVICES SUCH AS WATER, GAS, SEWER, ELECTRIC, ETC.
- BEFORE START OF ALTERATION WORK, REVIEW AND PREPARE AN OWNER APPROVED LIST OF EXISTING ITEMS TO REMAIN AS OWNER'S PROPERTY. DESIGNATED ITEMS TO BE REMOVED AND STORED IN SECURE, CLEAN, DRY ON-SITE LOCATION. ITEMS TO BE MAINTAINED AS EXISTING AND IN REUSABLE CONDITION.
- REMAINING DISTURBED CONSTRUCTION, MATERIALS OR FINISHES SHALL BE PATCHED, REPAIRED OR REPLACED AS REQUIRED TO MATCH THE ORIGINAL CONDITION AND AS IT IS RELATED TO COMPLETION OF NEW PROJECT AND/OR SITE IMPROVEMENTS.
- OWNER RESERVES THE RIGHT TO SALVAGE AND REMOVE ANY EXISTING ITEMS BEFORE START OF ALTERATION WORK.

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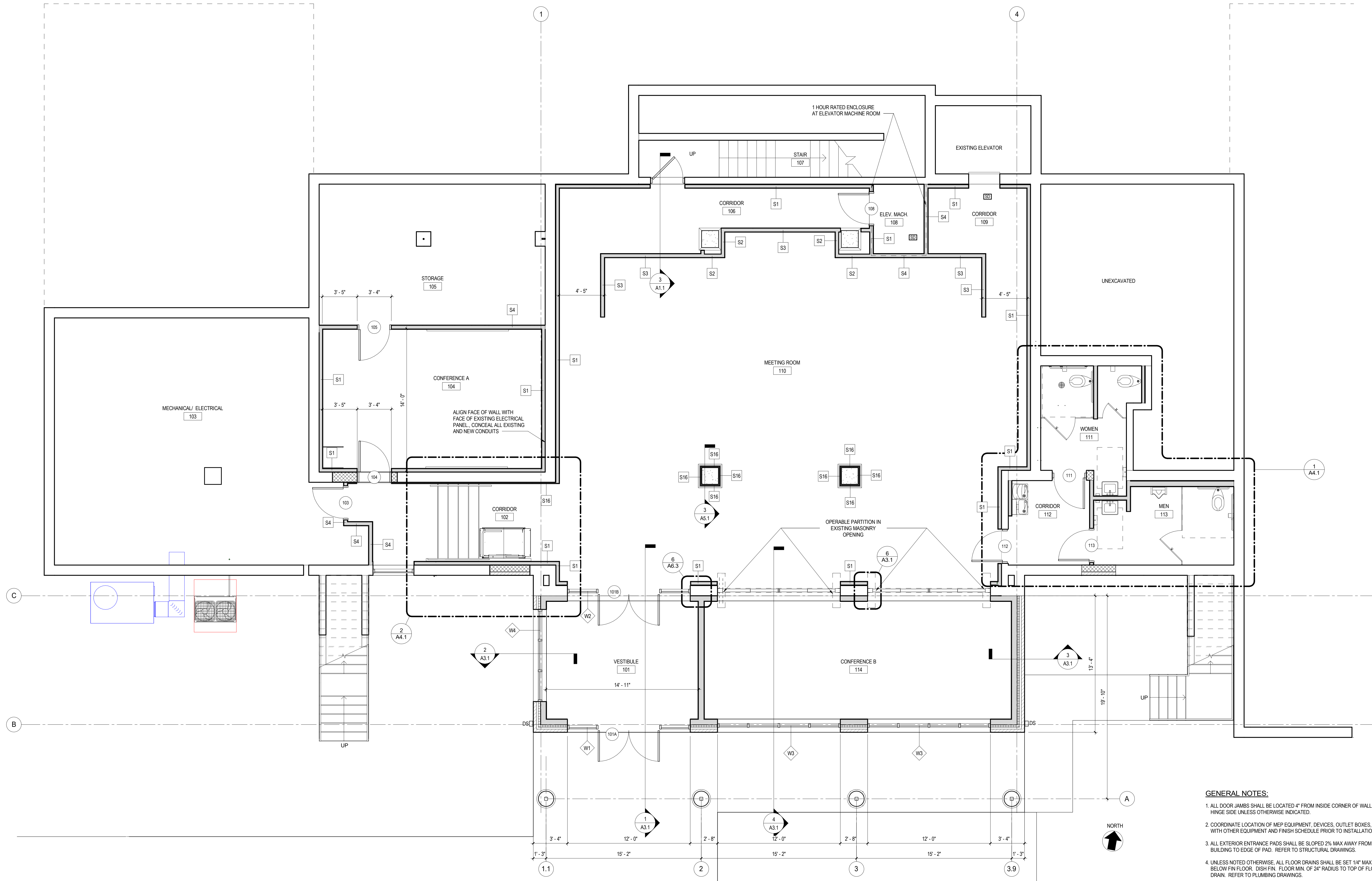
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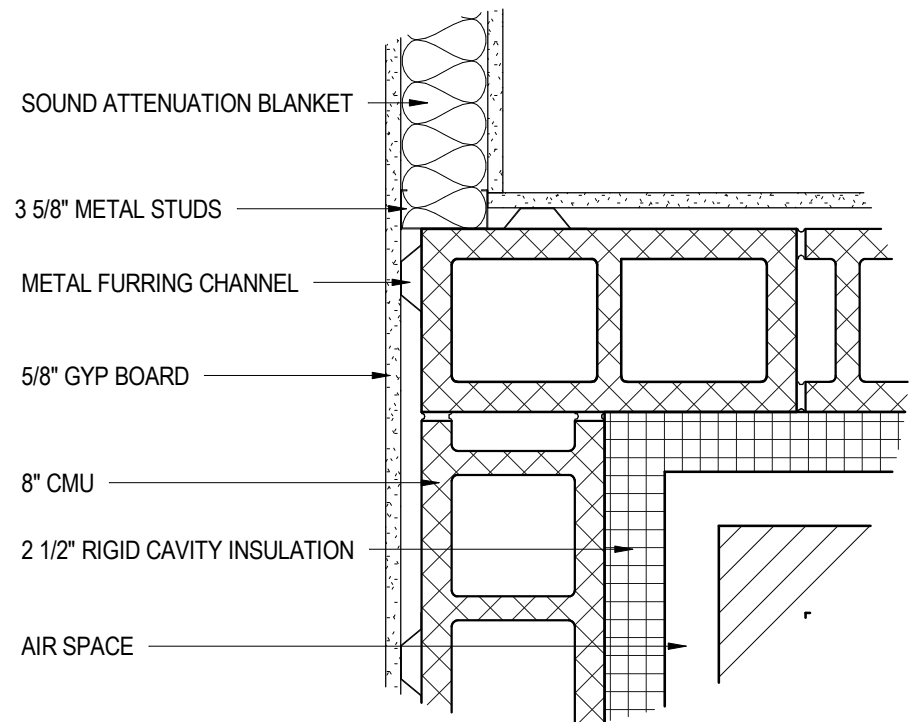
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 FLUVANNA COUNTY
 132 MAIN STREET
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GENERAL DEMOLITION NOTES:			
D1. DASHED LINES INDICATE GENERAL EXISTING CONSTRUCTION TO BE REMOVED. GENERAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS RELATING TO THE DEMOLITION REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION SHOWN ELSEWHERE.	D2. SEE STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FOOD SERVICE DRAWINGS FOR OTHER DEMOLITION WORK REQUIRED. ANY DEMOLITION OF MECHANICAL, ELECTRICAL, OR PLUMBING EQUIPMENT SHOWN ON THESE DRAWINGS, IS FOR COORDINATION ONLY. COORDINATE ALL WORK WITH OTHER CONTRACTORS INCLUDING CAPPING AND DISCONNECTING OF BUILDING SERVICES SUCH AS WATER, WASTE, ELECTRIC, DUCTWORK, ETC.	D3. BEFORE DEMOLITION AND THROUGHOUT CONSTRUCTION, GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW WITH OWNERS REPRESENTATIVE ALL ITEMS BEING REMOVED BY THEIR TRADES. ALL ITEMS DESIGNATED DURING THIS REVIEW TO REMAIN OWNERS PROPERTY, SHALL BE MAINTAINED IN A CLEAR, DRY LOCATION UNTIL INSTALLATION. ALL REMAINING ITEMS AND MATERIALS DEEMED TO BE TRASH SHALL BE DISPOSED OF PROPERLY BY LAW. OFF-SITE BY THE RESPONSIBLE CONTRACTOR.	D4. EXISTING CONDITIONS AS THEY APPEAR IN THESE CONTRACT DOCUMENTS MAY VARY WITH ACTUAL CONDITIONS BECAUSE OF WORK PERFORMED WITH OWNERS STAFF AND BY OTHER CONTRACTORS (I.E. ASBESTOS ABATEMENT CONTRACTORS) PRIOR TO CONTRACT. PORTIONS OF DEMOLITION WORK MAY BE INCLUDED IN THE SCOPE OF WORK OF ANOTHER CONTRACT AND NOT PART OF THIS PROJECT. GENERAL CONTRACTOR SHALL VERIFY THE ACTUAL SCOPE OF DEMOLITION IN THEIR CONTRACT PRIOR TO SUBMITTING A BID.
D5. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING BUILDING DIMENSIONS AND CONDITIONS, INCLUDING FINISHES AND MATERIALS, SYSTEMS SHOWN AND DESIGNATED AS EXISTING ON CONTRACT DRAWINGS PRIOR TO STARTING DEMOLITION AND CONSTRUCTION. ANY DISCREPANCIES IN INFORMATION INDICATED ON CONTRACT DRAWINGS SHALL BE DIRECTED IN WRITING TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING OF DEMOLITION AND CONSTRUCTION. VERIFICATION OF CLEARANCES REQUIRED FOR ALL NEW EQUIPMENT, PIPING, DUCTWORK AND RELATED COMPONENTS SHALL BE THE CONTRACTORS RESPONSIBILITY.	D6. DEMOLITION WORK SHOWN ON THE DEMOLITION CONTRACT DRAWINGS SHALL BE FOR THE BUILDING RECEIVING MAJOR DEMOLITION WORK, AND DOES NOT REPRESENT THE DEMOLITION FOR THE PROJECT IN ITS ENTIRETY. REFER TO CONTRACT DRAWINGS FOR ADDITIONAL DEMOLITION WORK, IF ANY, FOR EACH ROOM OR BUILDING COMPONENT.	D7. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING FINISHES AND MATERIALS, SYSTEMS SHOWN AND DESIGNATED AS EXISTING ON CONTRACT DRAWINGS PRIOR TO STARTING OF DEMOLITION AND CONSTRUCTION. ANY DISCREPANCIES IN INFORMATION INDICATED ON CONTRACT DRAWINGS SHALL BE DIRECTED IN WRITING TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING OF DEMOLITION AND CONSTRUCTION.	D8. OWNER RESERVES THE RIGHT TO SALVAGE AND REMOVE ANY EXISTING ITEMS BEFORE START OF DEMOLITION WORK.
D9. DEMOLITION DRAWINGS INDICATE EXISTING SLABS TO BE REMOVED IN THEIR ENTIRETY. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ANY SAWCUTTING AND PATCHING OF CONCRETE SLABS THAT NEEDS TO OCCUR AS PART OF THEIR WORK. IN ADDITION, REFER TO STRUCTURAL DRAWINGS FOR SAWCUTTING AND PATCHING THAT NEEDS TO OCCUR TO ACCOMMODATE INSTALLATION OF NEW FOOTINGS, PIERS ETC.	D10. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY EXISTING LOAD BEARING WALLS AND PROVIDE TEMPORARY SHORING AND SUPPORT UNTIL NEW STRUCTURE CAN BE INSTALLED.	D11. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ASBESTOS CONTAINING MATERIALS AND DISPOSING OF THEM OFF-SITE IN ACCORDANCE WITH STATE LOCAL AND LAWS.	D12. WHERE EXTERIOR WALLS ARE SCHEDULED TO BE REMOVED, THEY ARE TO BE REMOVED DOWN TO TOPS OF EXISTING FOOTINGS. REMOVE EXISTING FOOTINGS WHERE THEY INTERFERE WITH NEW CONSTRUCTION.
GENERAL ALTERATION NOTES:			
R1. GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION AND RECORDING OF ALL EXISTING BUILDING DIMENSIONS AND CONDITIONS RELATED TO THE WORK, INCLUDING BUT NOT LIMITED TO FINISHES, MATERIALS AND SYSTEMS SHOWN AND DESIGNATED AS EXISTING IN CONTRACT DOCUMENTS. ANY DISCREPANCIES FROM INFORMATION INDICATED ON CONTRACT DOCUMENTS SHALL BE DIRECTED TO THE ATTENTION OF THE ARCHITECT. VERIFICATION OF CLEARANCES REQUIRED FOR ALL NEW EQUIPMENT, PIPING, DUCTWORK, AND RELATED COMPONENTS SHALL BE THE CONTRACTORS RESPONSIBILITY.	R6. ALL EXISTING MATERIALS AND FINISHES DISTURBED OR INTERRUPTED BY THE WORK SHALL BE REPAIRED OR FILLED IN TO ACHIEVE UNIFORM COLOR, TEXTURE, PATTERN AND APPEARANCE TO MATCHING ADJACENT MATERIALS AND FINISHES. TRANSITIONS BETWEEN EXISTING AND NEW TO EXISTING MATERIALS AND FINISHES SHALL BE ACHIEVED IN STRAIGHT HORIZONTAL AND/OR VERTICAL LINES BETWEEN DIFFERENT AND/OR NEW MATERIALS AND FINISHES.	R12. AT THE DEMOLITION OF AN EXISTING ITEM, REMOVE ALL TRACES OF THE DEMOLISHED ITEMS COMPONENTS FROM THE SURFACE OF THE REMAINING FLOOR, WALLS AND CEILING. AT THE REMOVED FASTENERS IN ALL EXISTING MASONRY WALLS AND FLOORS, PATCH HOLE WITH GROUT LEVEL WITH EXISTING ADJACENT SURFACES IN ORDER TO RECEIVE NEW FINISHES.	R16. PAINT SURFACES: WHERE PATCHING OCCURS IN THE WORK OF AN EXISTING PAINTED SURFACE, THE PATCHED AREA SHALL BE SPACKLED, PRIMED AND INTERMEDIATE PAINT COATS APPLIED OVER THE PATCH. APPLY FINAL PAINT COAT OVER ENTIRE UNBROKEN SURFACE CONTAINING THE PATCH. THE UNBROKEN SURFACE SHALL BE FROM THE INTERSECTION OF THE WALL TO FLOOR TO THE INTERSECTION OF THE WALL TO CEILING AND FROM THE RIGHT SIDE WALL TO WALL INTERSECTION TO THE LEFT SIDE WALL TO WALL INTERSECTION. PROVIDE ADDITIONAL SPACKLING AND/OR PAINT COATS UNTIL THE PATCH AREAS BLEND INVISIBLY INTO THE ADJACENT EXISTING SURFACE. UNBROKEN CEILING SURFACES SHALL BE FROM CEILING TO WALL INTERSECTION AND OR NEW BULKHEAD CEILING ELEVATION CHANGE FOR THE ENTIRE PERIMETER OF THE CEILING AREA. APPLY PAINT COATS AS DESCRIBED FOR THE WALLS.
R2. GENERAL CONTRACTORS RESPONSIBILITY TO REVIEW WITH THE OWNERS REPRESENTATIVE, ALL ITEMS REQUIRING REMOVAL BEFORE THE START OF WORK. OWNER RESERVES THE RIGHT TO SALVAGE ANY ITEM. ALL REMAINING ITEMS SHALL BE DISPOSED OF OFF-SITE.	R7. PATCH ALL HOLES IN FLOORS, WALLS AND CEILINGS, LEVEL WITH EXISTING ADJACENT SURFACES TO RECEIVE NEW FINISHES AND/OR CONSTRUCTION TO COMPLETE THE WORK. MATCH THE EXISTING ADJACENT MATERIALS, PATTERNS AND FINISHES.	R13. AT EXISTING FLOORS: CUT IN PLACE CONSTRUCTION TO RECEIVE NEW WORK. REPLACE WITH MATERIALS TO MATCH EXISTING REMAINING MATERIALS. PATCH FLUSH TO ADJACENT EXISTING ELEVATIONS. APPLY CEMENTITIOUS UNDERLAYMENT TO PRODUCE A UNIFORM SURFACE IN ALL AREAS RECEIVING NEW FINISHES AS INDICATED ON THE ROOM FINISH SCHEDULE. PATCHED JOINTS SHALL NOT TELEGRAPH THRU THE NEW FINISH. SEE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND OTHER FINISHES.	R17. AT EXISTING CERAMIC TILE: AT DEMOLISHED ITEMS AND DAMAGED AREAS, FILL ALL HOLES IN EXISTING CERAMIC WALL AND FLOOR TILE THAT ARE UP TO 1" WITH A COLOR EPOXY GROUT TO MATCH THE EXISTING CERAMIC TILE COLOR. REMOVE AND REPLACE EXISTING TILES AT HOLES THAT ARE OVER 1" AND AT ALL BROKEN AND MISSING WALL AND FLOOR TILES WITH A NEW TILE TO MATCH EXISTING COLOR AND SIZE.
R3. WHERE EXISTING WALL OPENINGS ARE INDICATED TO BE CLOSED, USE MATERIALS AND FINISHES TO MATCH ADJACENT EXISTING FINISHES. MASONRY SHALL BE TOOTHED INTO THE EXISTING COURSING TO ACHIEVE A UNIFORM JOINT PATTERN TO MATCH THE EXISTING.	R8. PATCH, REPAIR OR REPLACE ALL EXISTING FINISHES AND MATERIALS DISTURBED DURING CONSTRUCTION OR AS A RESULT OF DEMOLITION OR REMOVAL OF AN ITEM. ALL REPAIR OR REPLACEMENT SHALL MATCH ADJACENT EXISTING AND/OR NEW FINISHES, PATTERNS AND MATERIALS. SEE ROOM FINISH SCHEDULE FOR NEW FINISHES.	R14. AT EXISTING FLOORS: WHERE WALLS ARE SCHEDULED FOR DEMOLITION AND EXTEND TO BELOW THE CONTINUOUS CONCRETE FLOOR SLAB, THE WALL SHALL BE DEMOLISHED TO BELOW THE FLOOR THICKNESS. THE FLOOR SHALL BE PATCHED WITH CONCRETE AND GRANULAR FILL TO MATCH THE EXISTING THICKNESS. PROVIDE NEW VAPOR BARRIER TO THE PATCHED AREA. PATCH FLUSH TO ADJACENT EXISTING ELEVATIONS. APPLY CEMENTITIOUS UNDERLAYMENT TO PRODUCE A UNIFORM SURFACE IN ALL AREAS RECEIVING NEW FINISH AS INDICATED ON ROOM FINISH SCHEDULE. PATCHED JOINTS SHALL NOT TELEGRAPH THRU THE NEW FINISH.	R18. AT EXISTING METALS: AT EXISTING DOOR FRAMES TO REMAIN AND OTHER PAINTED METAL COMPONENTS INDICATED, REMOVE ALL DIRT, LOOSE PAINT AND RUST. SAND ENTIRE FRAME, PRIME AND PAINT. COLOR SELECTION BY ARCHITECT. WHERE THE EXISTING PAINT IS INCOMPATIBLE WITH NEW PAINT COATINGS, THE EXISTING PAINT SHALL BE COMPLETELY REMOVED.
R4. ALL NEW MASONRY WALLS AND INFILLS THAT ARE IN CONTINUANCE WITH EXISTING MASONRY WALLS SHALL BE TOOTHED INTO THE EXISTING COURSING TO ACHIEVE A UNIFORM JOINT PATTERN TO MATCH THE EXISTING. FIELD VERIFY WALL THICKNESS.	R9. PREPARE EXISTING REMAINING WORK SUBSTRATES TO RECEIVE NEW FINISHES AS INDICATED ON THE ROOM FINISH SCHEDULE. SUBSTRATE PREPARATION SHALL BE IN CONFORMANCE WITH THE INSTALLATION REQUIREMENTS OF EACH NEW FINISH.	R15. PAINT EXISTING METALS: AT EXISTING DOOR FRAMES TO REMAIN AND OTHER PAINTED METAL COMPONENTS INDICATED, REMOVE ALL DIRT, LOOSE PAINT AND RUST. SAND ENTIRE FRAME, PRIME AND PAINT. COLOR SELECTION BY ARCHITECT. WHERE THE EXISTING PAINT IS INCOMPATIBLE WITH NEW PAINT COATINGS, THE EXISTING PAINT SHALL BE COMPLETELY REMOVED.	
R5. IN ALL RENOVATED AREAS OF THE WORK, THE INTENT OF THESE CONTRACT DOCUMENTS IS TO PROVIDE A LEVEL OF QUALITY FOR ALL PATCHED SURFACES EQUAL TO THAT OF NEW SURFACES, INCLUDING BUT NOT LIMITED TO PLASTER, GYPSUM WALL BOARD AND MASONRY.	R10. ALL WALLS SHOWN WITH MASONRY HATCHING WITHIN THE EXISTING BUILDING SHALL BE NEW AND TOOTHED INTO EXISTING MASONRY. MATCH EXISTING COURSING, JOINT PATTERN AND THICKNESS UNLESS NOTED OTHERWISE.		
	R11. MASONRY WALLS AND INFILLS THAT ARE IN CONTINUANCE WITH EXISTING MASONRY WALLS SHALL BE TOOTHED INTO THE EXISTING COURSING TO ACHIEVE A UNIFORM JOINT PATTERN TO MATCH THE EXISTING WORK. MATCH EXISTING WALL THICKNESS.		

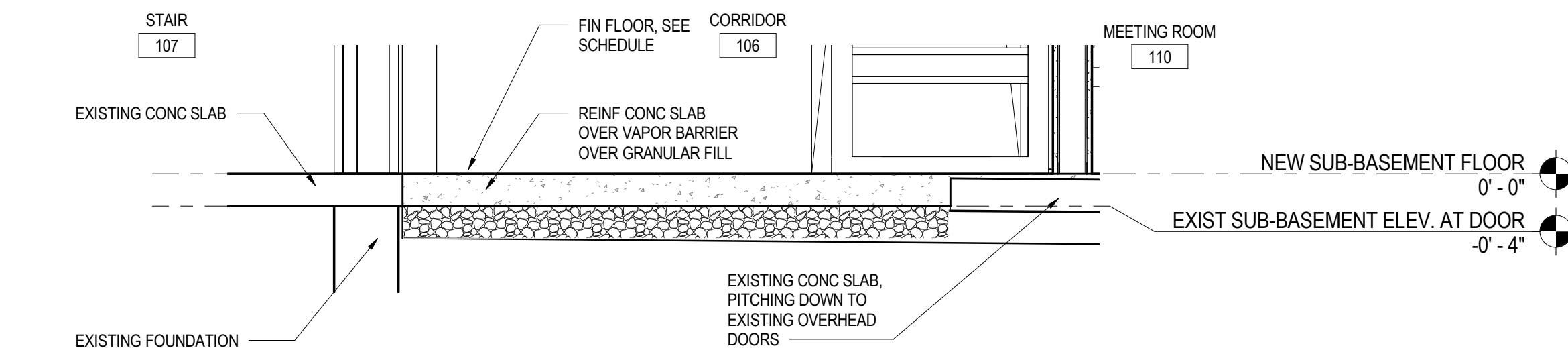
DEMOLITION PLAN, ALTERATION NOTES & LEGEND	PROJECT
PLOT SCALE: 1/8" = 1'-0" FILENAME: DATE: AUGUST 28, 2020	D1.0



1 SUB-BASEMENT FLOOR PLAN
A1.1 1/4" = 1'-0"



2 DETAIL
A1.1 1 1/2" = 1'-0"



3 SECTION DETAIL
A1.1 3/4" = 1'-0"

GENERAL NOTES:

1. ALL DOOR JAMBS SHALL BE LOCATED 4" FROM INSIDE CORNER OF WALL ON HINGE SIDE UNLESS OTHERWISE INDICATED.
2. COORDINATE LOCATION OF MEP EQUIPMENT, DEVICES, OUTLET BOXES, ETC. WITH OTHER EQUIPMENT AND FINISH SCHEDULE PRIOR TO INSTALLATION.
3. ALL EXTERIOR ENTRANCE PADS SHALL BE SLOPED 2% MAX AWAY FROM THE BUILDING TO EDGE OF PAD. REFER TO STRUCTURAL DRAWINGS.
4. UNLESS NOTED OTHERWISE, ALL FLOOR DRAINS SHALL BE SET 1/4" MAX. BELOW FIN FLOOR. DISH FIN. FLOOR MIN. OF 24" RADIUS TO TOP OF FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.
5. UNLESS NOTED OTHERWISE, WHERE DIFFERENT FLOOR ELEVATIONS OCCUR ON OPPOSITE SIDES OF INTERIOR MASONRY WALLS, PROVIDE COLD FLUID APPLIED WATERPROOFING (CFWP) ON THE BACKFILLED FACE OF WALL. APPLY CFWP FROM UNDERSIDE OF CONC. SLAB TO TOP OF FOOTING BELOW. CFWP NOT TO INTERFERE WITH INSTALLATION OF CONC. SLAB VAPOR BARRIER.
6. GC TO PROVIDE ALL LOUVERS COORDINATE WITH MEP DRAWINGS.
7. ALL WALL LAYOUT DIMENSIONS ARE FROM FACE OF STUD & FACE OF CMU UNLESS OTHERWISE NOTED.

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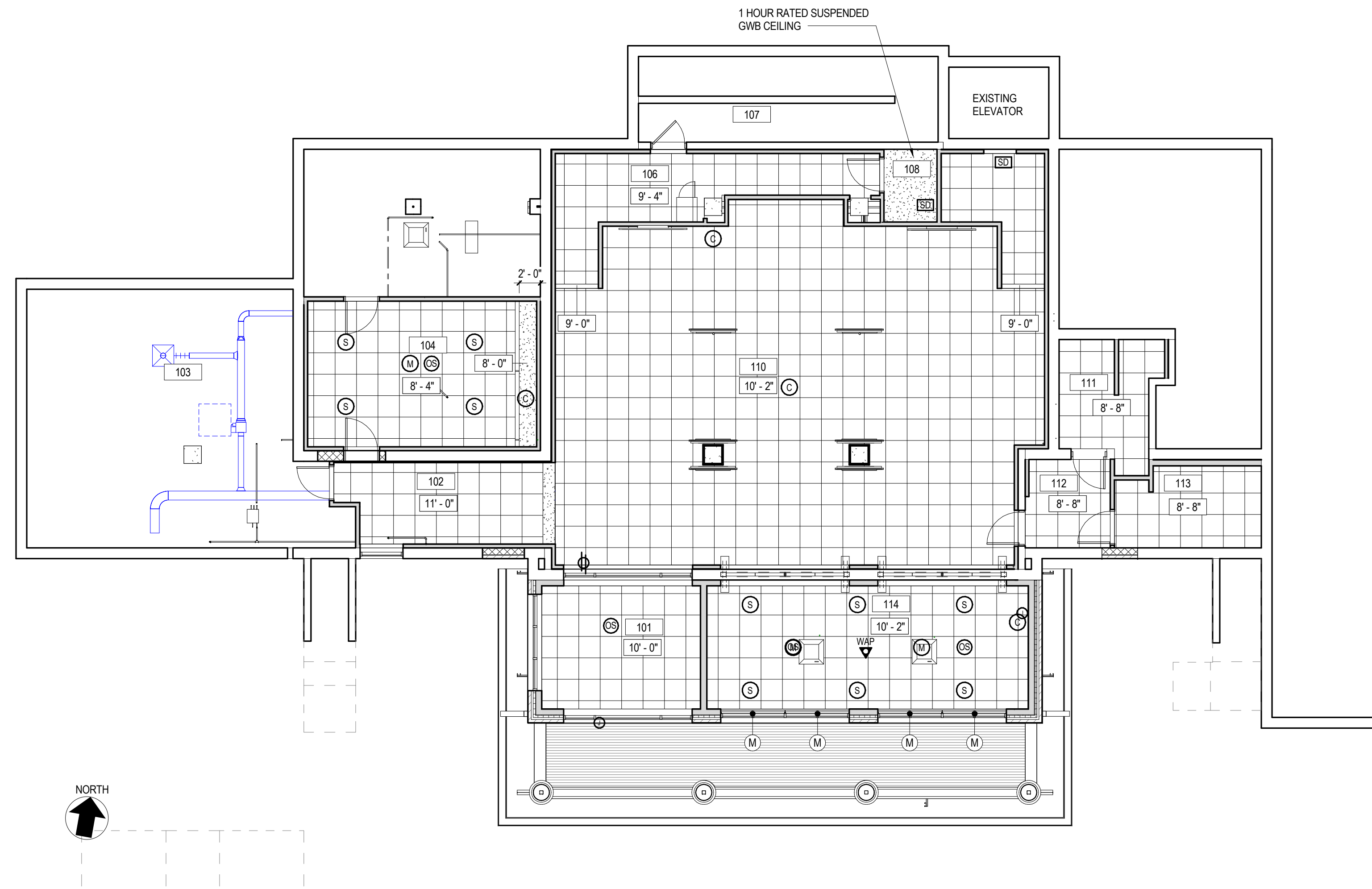


SUB-BASEMENT FLOOR PLAN

PLOT SCALE:
As indicated
 FILENAME:
 DATE:
AUGUST 28, 2020

PROJECT

A1.1



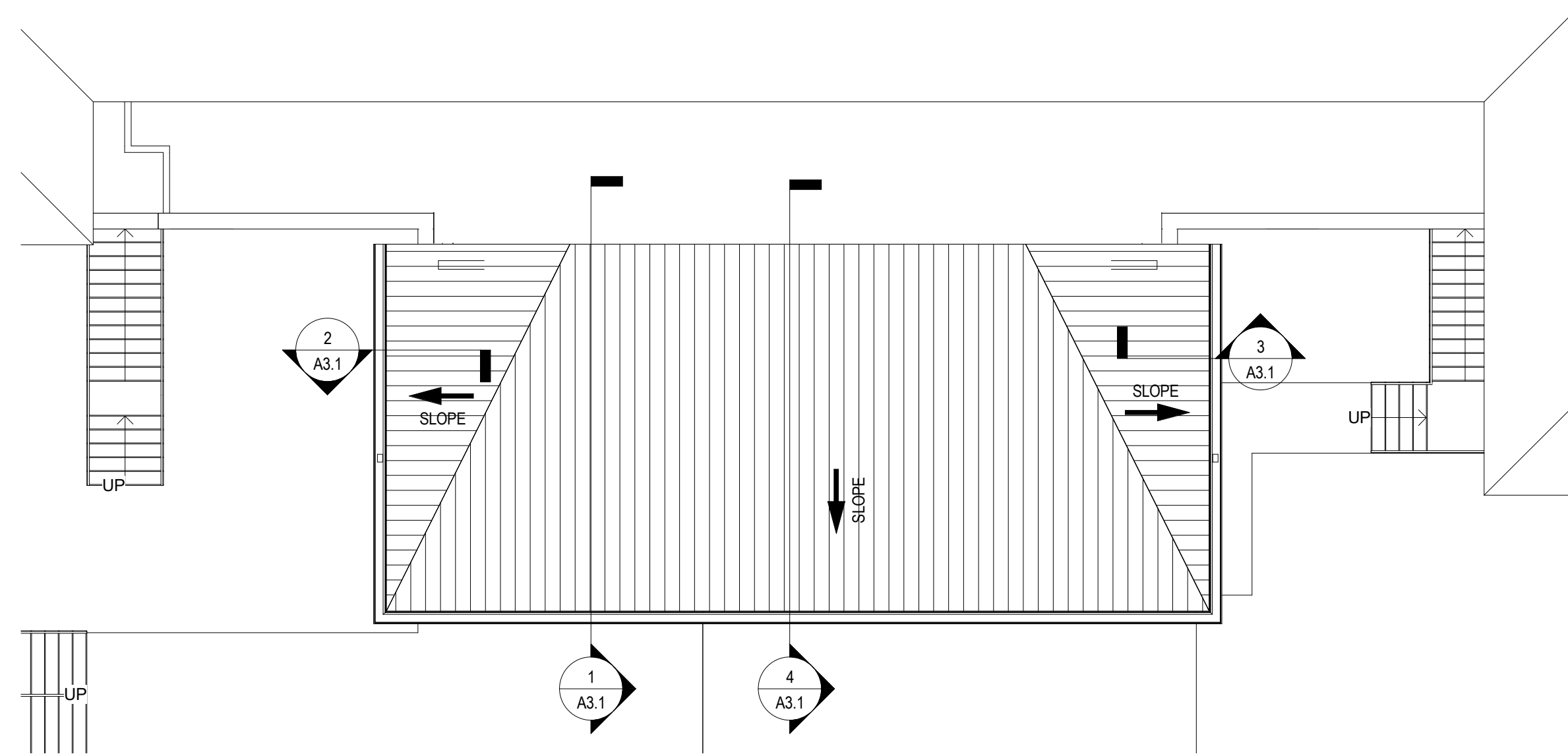
2 SUB-BASEMENT REFLECTED CEILING PLAN
A1.2 1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES:

- UNLESS NOTED OTHERWISE, GYPSUM BULKHEADS TO BE 3/8" METAL STUDS AT 16" O/C WITH 5/8" GWB EACH SIDE, EXTENDING MIN 2" BELOW ADJACENT CEILING.
- CEILING GRID SHALL BE COORDINATED WITH MEP EQUIPMENT AND DEVICES.
- UNLESS NOTED OTHERWISE, ALL VISIBLE STRUCTURAL STEEL, ROOF/FLOOR DECK, DUCTWORK, PIPING, CONDUIT, HANGER WIRES, ETC AT EXPOSED LOCATIONS OR ABOVE CEILING CLOUDS SHALL BE PAINTED.
- REFER TO ROOM FINISH SCHEDULE FOR CEILING TYPES.
- ALL VISIBLE HANGER WIRES, STRUCTURE AND BRACING AT EXPOSED CEILING GRID OR CEILING CLOUD LOCATIONS SHALL BE INSTALLED PLUMB AND LEVEL.
- FOR WINDOWS THAT REQUIRE TWO OR MORE ROLLER SHADES, EACH ROLLER SHADE SHALL TERMINATE AT THE CENTER OF THE WINDOW MULLION. REFER TO HOLLOW METAL AND ALUMINUM FRAME ELEVATIONS FOR FOR DIMENSIONS AND WINDOW MULLION DESIGN AND ROLLER SHADE BREAKS.

LEGEND

	2' X 4' SUSPENDED CEILING SYSTEM		2' X 4' LIGHT FIXTURE
	2' X 4' SECOND LOOK SUSPENDED CEILING SYSTEM		1' X 4' LIGHT FIXTURE
	2' X 2' SUSPENDED CEILING SYSTEM		2' X 2' LIGHT FIXTURE
	GYPSUM WALLBOARD		SEE MEP DRAWINGS
	LINEAR METAL SOFFIT		SEE MEP DRAWINGS
	STEEL LINTEL - PAINTED		RECESSED DOWN LIGHT
			PENDANT LIGHT FIXTURES
			ROLLER SHADE - MANUAL
			ROLLER SHADE - MANUAL BLACKOUT W/ DUAL ROLLER
			ROLLER SHADE - MOTORIZED
			ROLLER SHADE - MOTORIZED BLACKOUT W/ DUAL ROLLER



1 PARTIAL ROOF PLAN
A1.2 1/8" = 1'-0"

LEGEND

	LOW POINT
	HIGH POINT
	OVERFLOW DRAIN
	FLOW DIRECTION
	INDICATES STANDING SEAM ROOF SYSTEM WITH 4" NAIL BASE INSULATION

ROOF PLAN NOTES:

- COORDINATE ROOF-MOUNTED EQUIPMENT & PENETRATIONS. REFER TO MEP DRAWINGS.
- PROVIDE ROOFING MANUFACTURERS' STANDARD DETAILS FOR ALL PENETRATIONS & FLASHING AS PER ROOFING MANUFACTURERS' WARRANTY.
- CRICKETS AND SADDLES SHALL HAVE A MINIMUM OF TWO TIMES THE SLOPE OF THE PRIMARY TAPERED SYSTEM OR STRUCTURAL SLOPE.
- ROOF MOUNTED EQUIPMENT CURBS AND SUPPORTS SHALL BE FURNISHED AND INSTALLED BY THE EQUIPMENT SUPPLIER.

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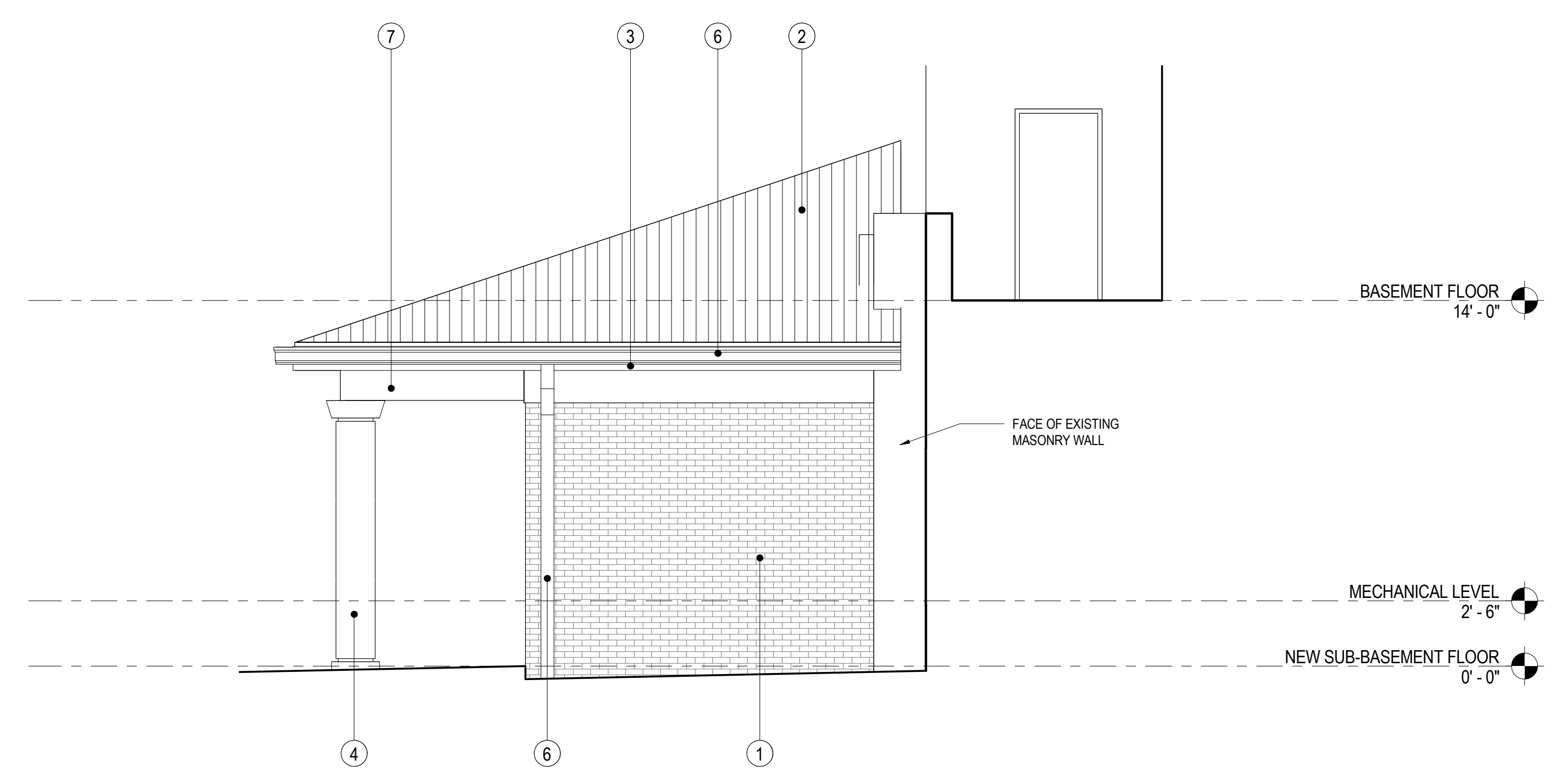
SUB-BASEMENT REFLECTED CEILING PLAN, ROOF PLAN AND DETAILS
 PLOT SCALE: 1/8" = 1'-0"
 FILENAME:
 DATE: AUGUST 28, 2020

PROJECT
A1.2

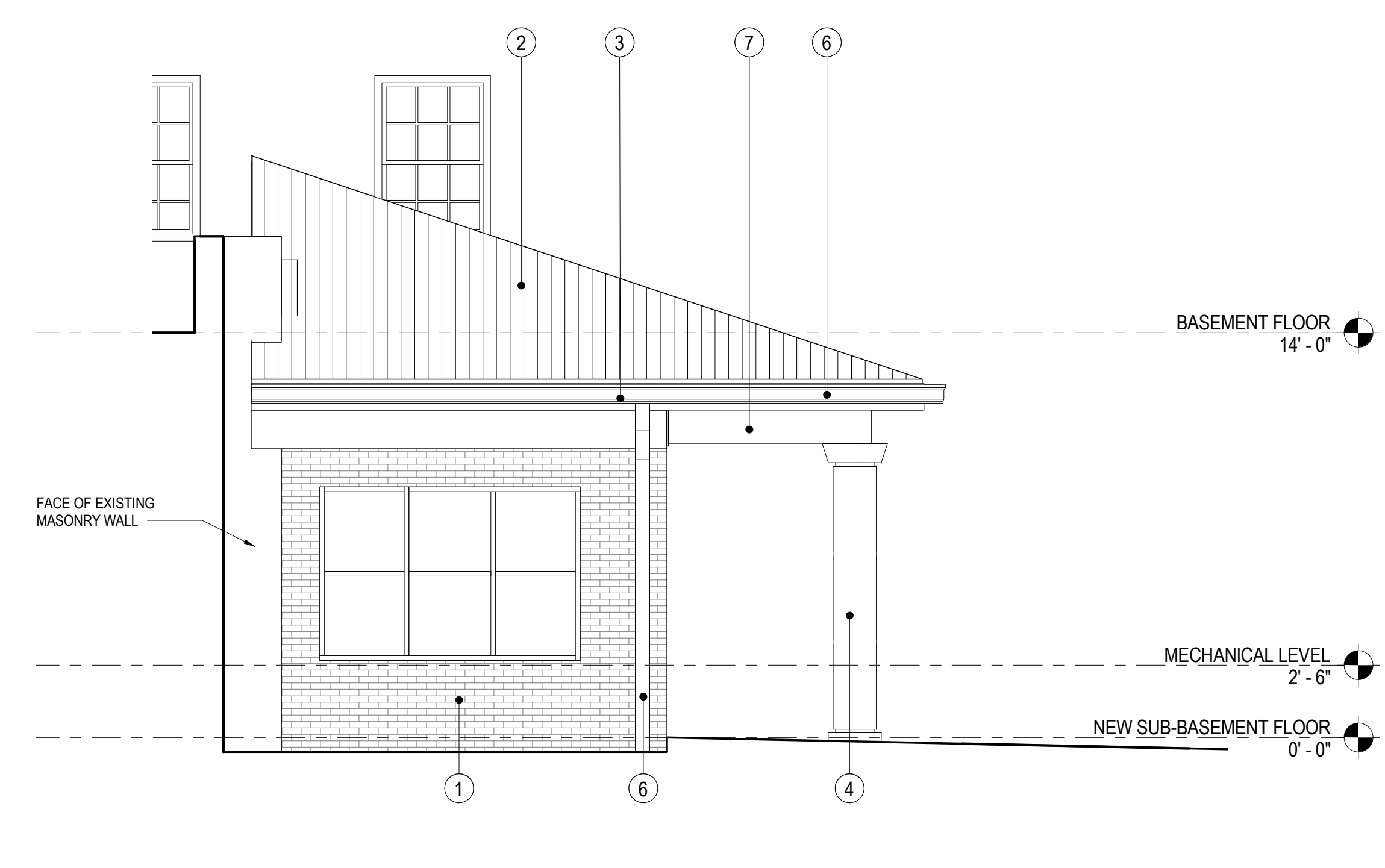


ELEVATION LEGEND	
TAG	ELEVATION NOTE
1	BRICK VENEER - MATCH EXISTING BRICK FOR COLOR AND SIZE
2	STANDING SEAM METAL ROOF PANEL SYSTEM
3	METAL FASCIA, PREFINISHED, REFER TO SECTIONS
4	COLUMN WRAP
5	ALUMINUM STOREFRONT AND GLAZING SYSTEM
6	PREFINISHED METAL GUTTER AND DOWNSPOUT SYSTEM
7	METAL TRIM, PREFINISHED, REFER TO SECTIONS

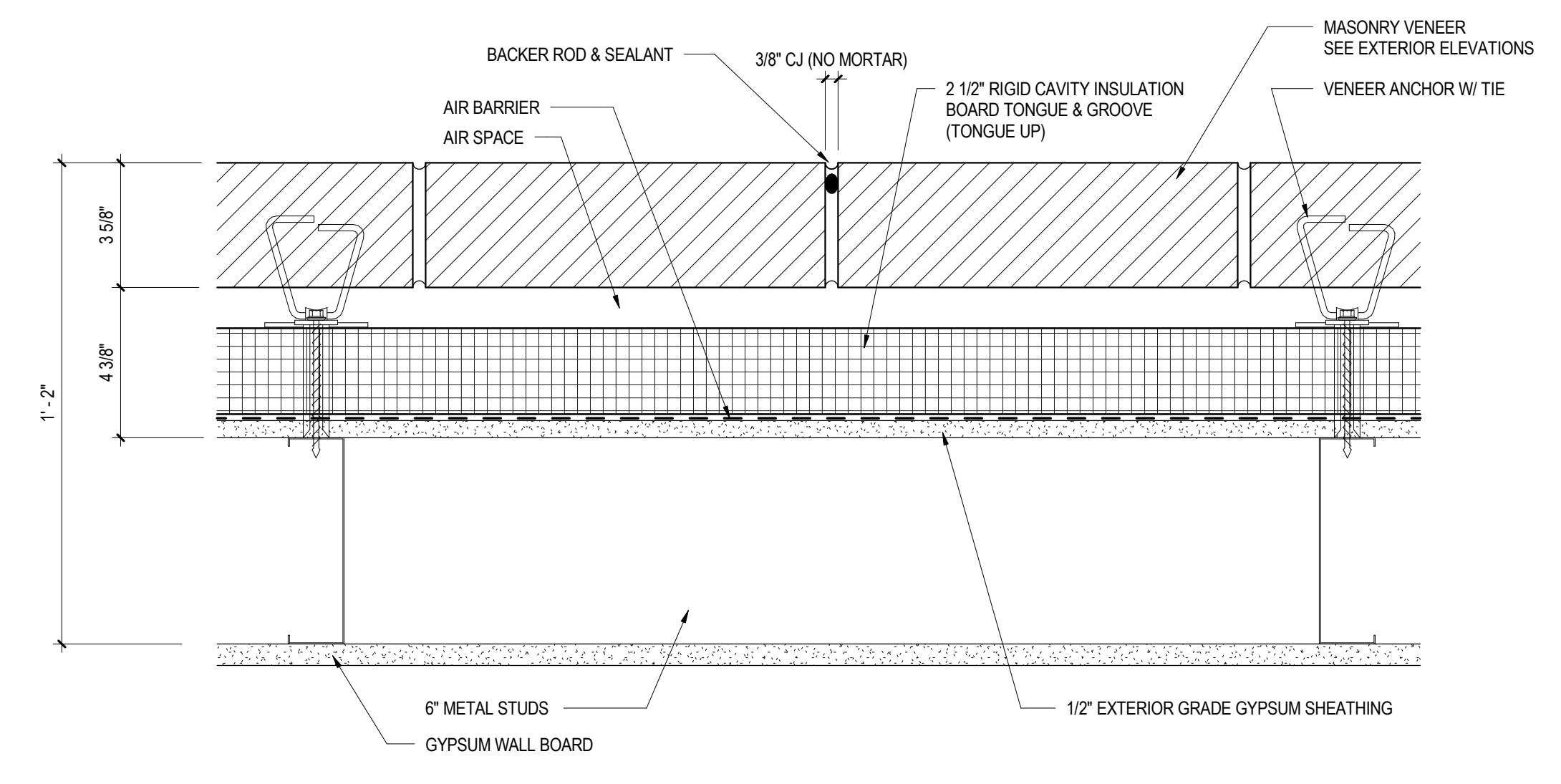
1 PARTIAL EAST ELEVATION
A2.1 1/4" = 1'-0"



2 PARTIAL NORTH ELEVATION
A2.1 1/4" = 1'-0"



3 SOUTH ELEVATION
A2.1 1/4" = 1'-0"



4 TYPICAL EXTERIOR WALL CONTROL JOINT DETAIL - METAL STUD BACK UP
A2.1 3" = 1'-0"

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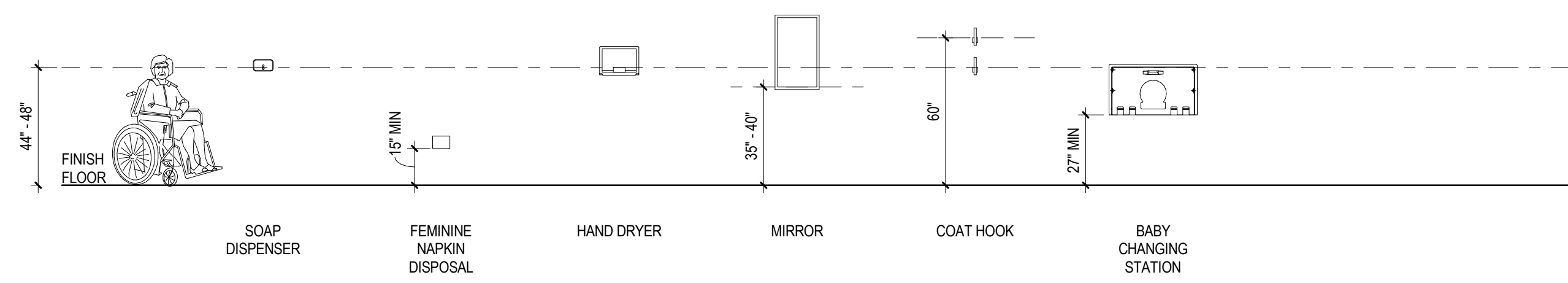
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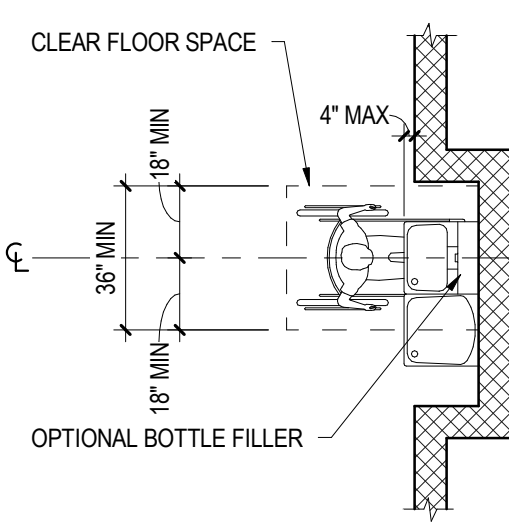
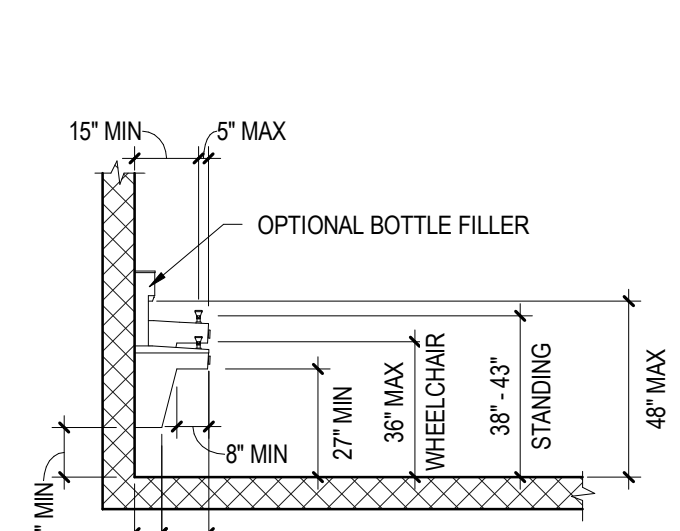
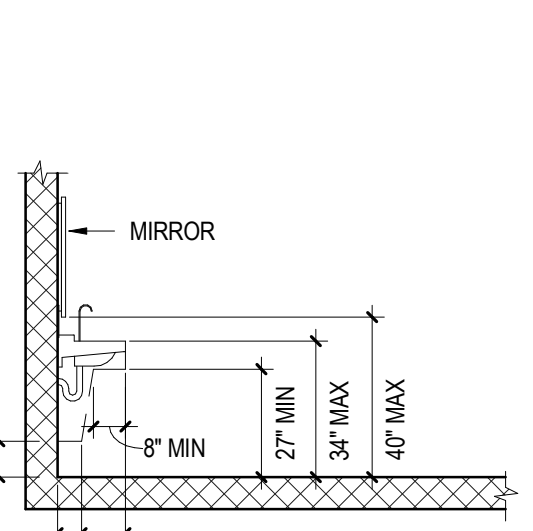
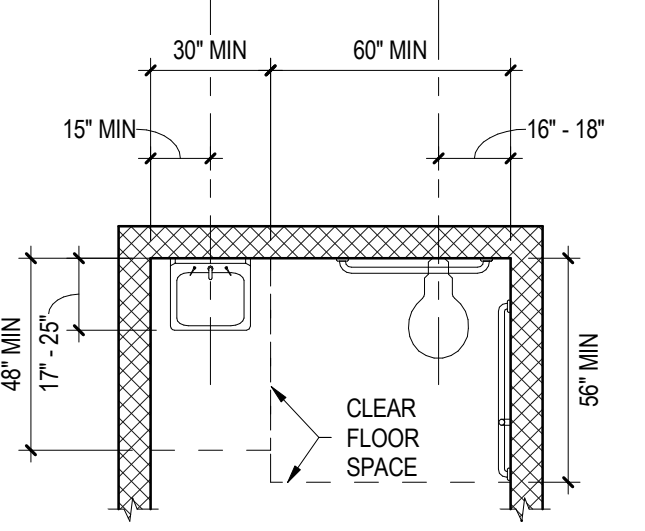
EXTERIOR ELEVATIONS
 PLOT SCALE: As indicated
 FILENAME:
 DATE: AUGUST 28, 2020

PROJECT
 A2.1



NOTE: OTHER FIXTURES NOT ALLOWED WITHIN CLEAR FLOOR SPACE.

NOTE: THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES OR SINKS. DASHED LINE INDICATED DIMENSIONAL CLEARANCE OF OPTIONAL UNDER FIXTURE ENCLOSURE.

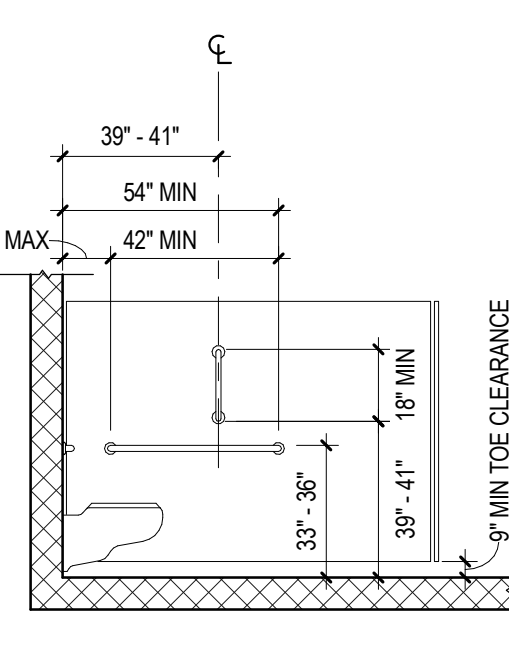
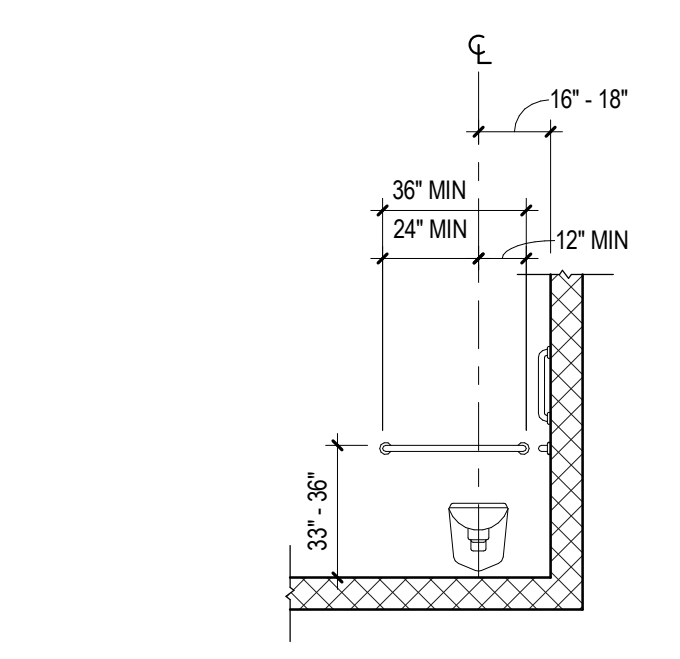
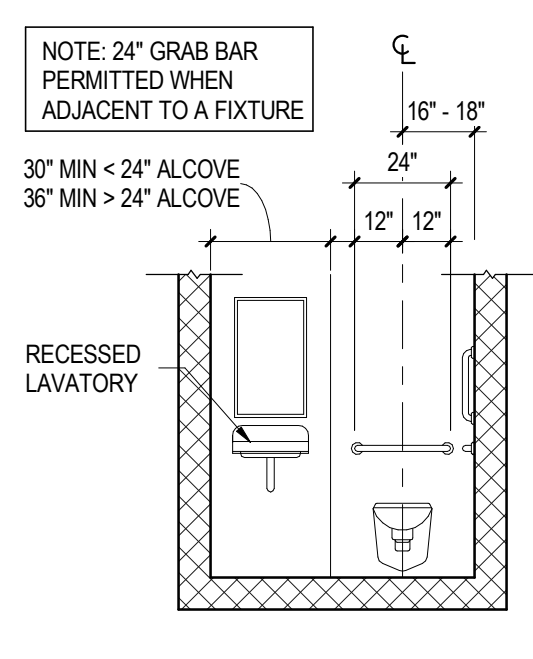
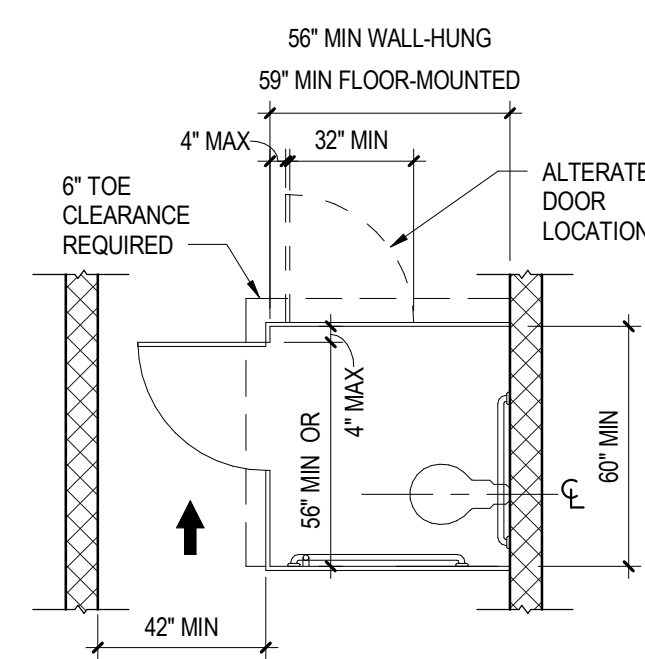


CLEAR FLOOR AT WALL HUNG WATER CLOSET AND LAVATORY

LAVATORY HEIGHT AND LEG CLEARANCE

DRINKING FOUNTAIN HEIGHT AND LEG CLEARANCE

CLEAR FLOOR AT DRINKING FOUNTAIN

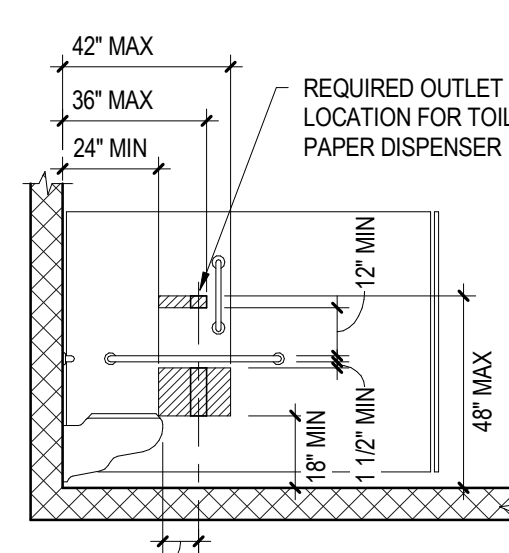
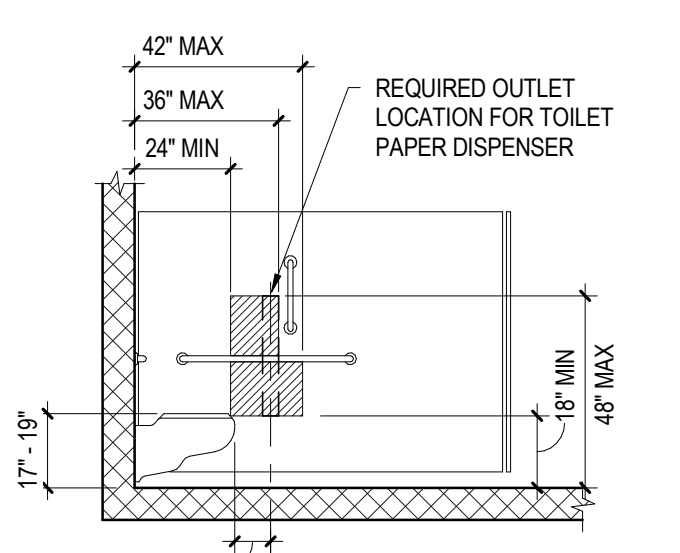
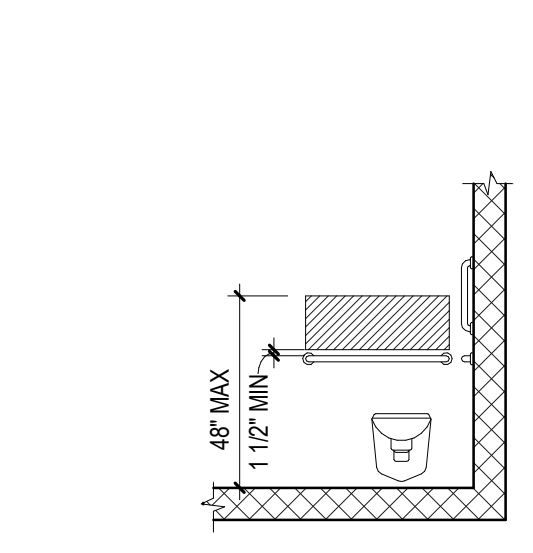
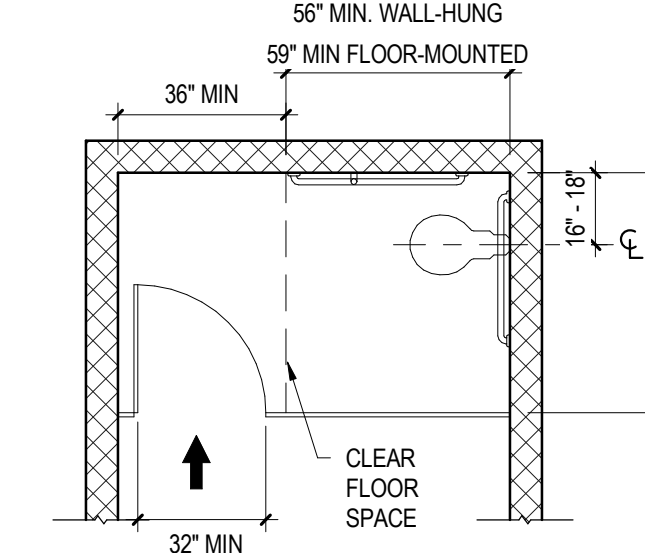


PLAN FOR WATER CLOSET

REAR WALL FOR WATER CLOSET ADJACENT TO RECESSED LAVATORY

REAR WALL FOR WATER CLOSET

SIDE WALL FOR WATER CLOSET

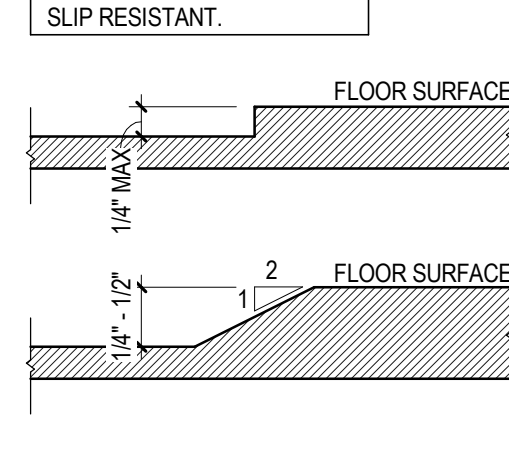
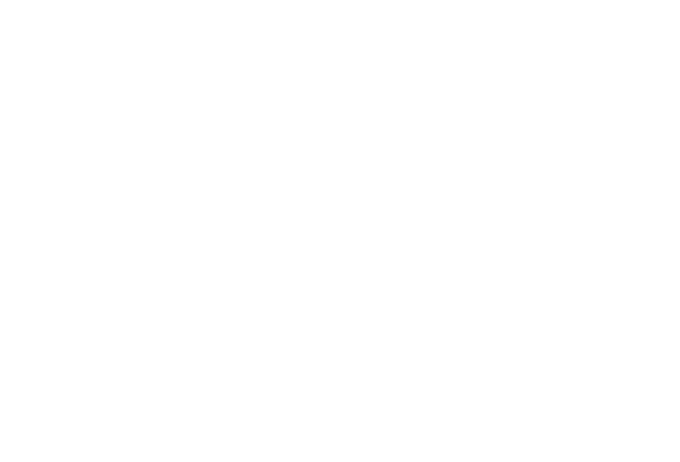
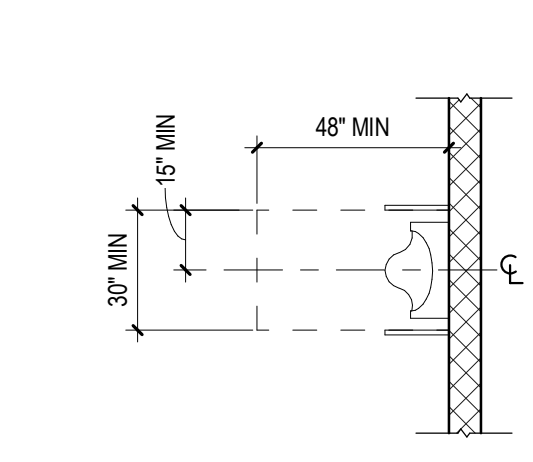
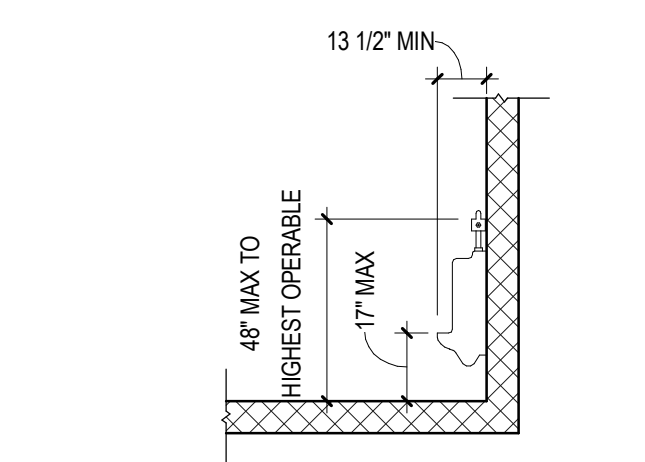


ALTERNATE PLAN FOR WATER CLOSET

REAR WALL RECESSED DISPENSERS

SIDE WALL RECESSED DISPENSERS

SIDE WALL PROTRUDING DISPENSERS



WALL HUNG URINAL CLEARANCES

WALL HUNG URINAL CLEARANCES

CHANGES IN FLOOR LEVEL

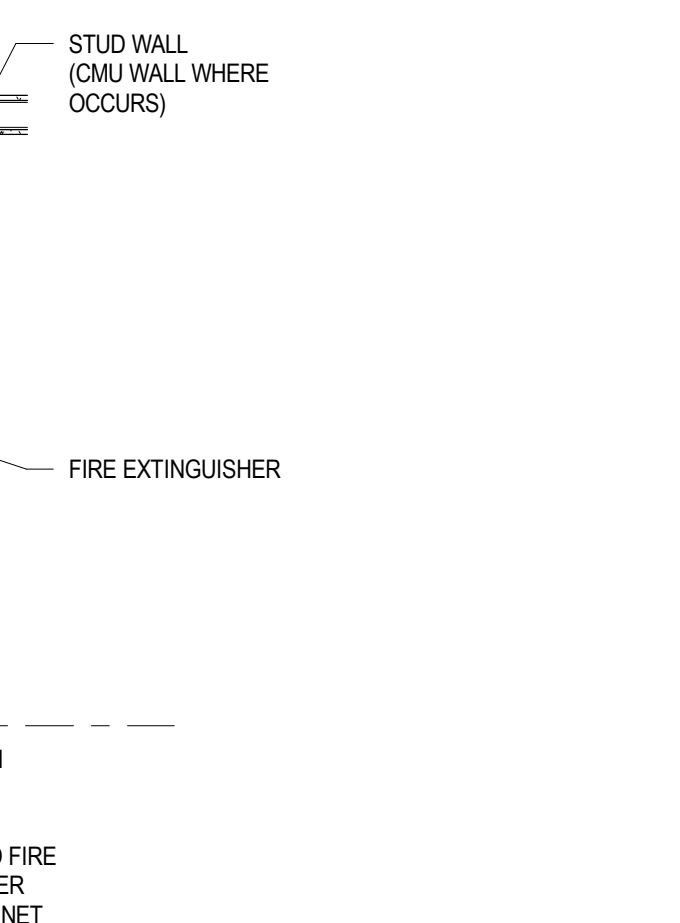
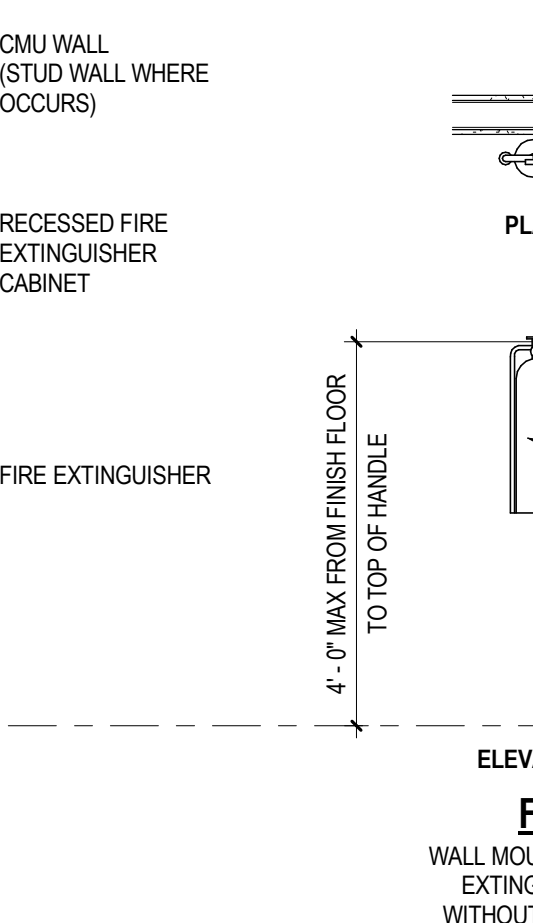
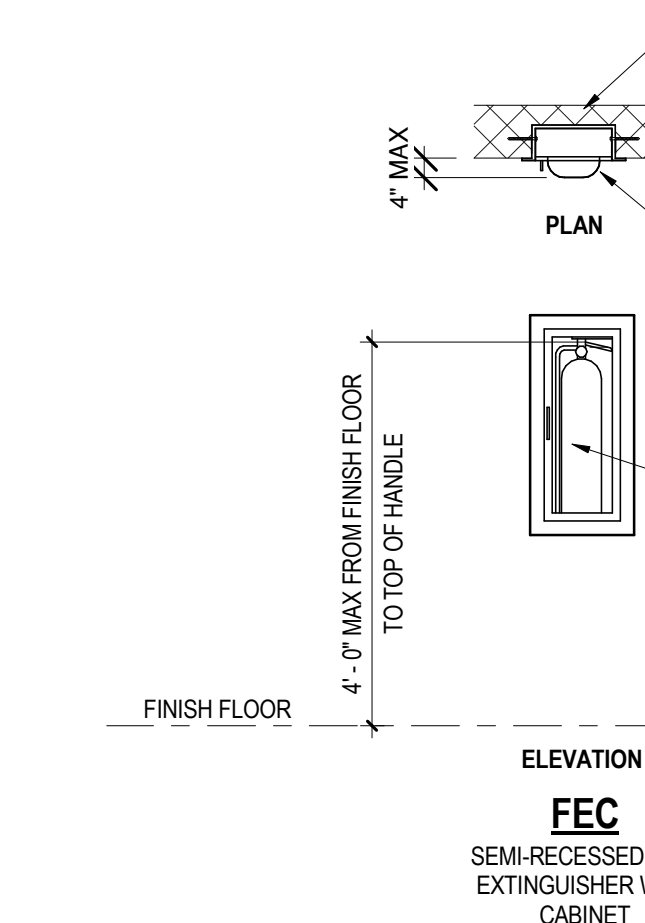
CHANGES IN FLOOR LEVEL

4 ACCESSIBILITY STANDARDS 1/4" = 1'-0"

4 ACCESSIBILITY STANDARDS 1/4" = 1'-0"

4 ACCESSIBILITY STANDARDS 1/4" = 1'-0"

4 ACCESSIBILITY STANDARDS 1/4" = 1'-0"

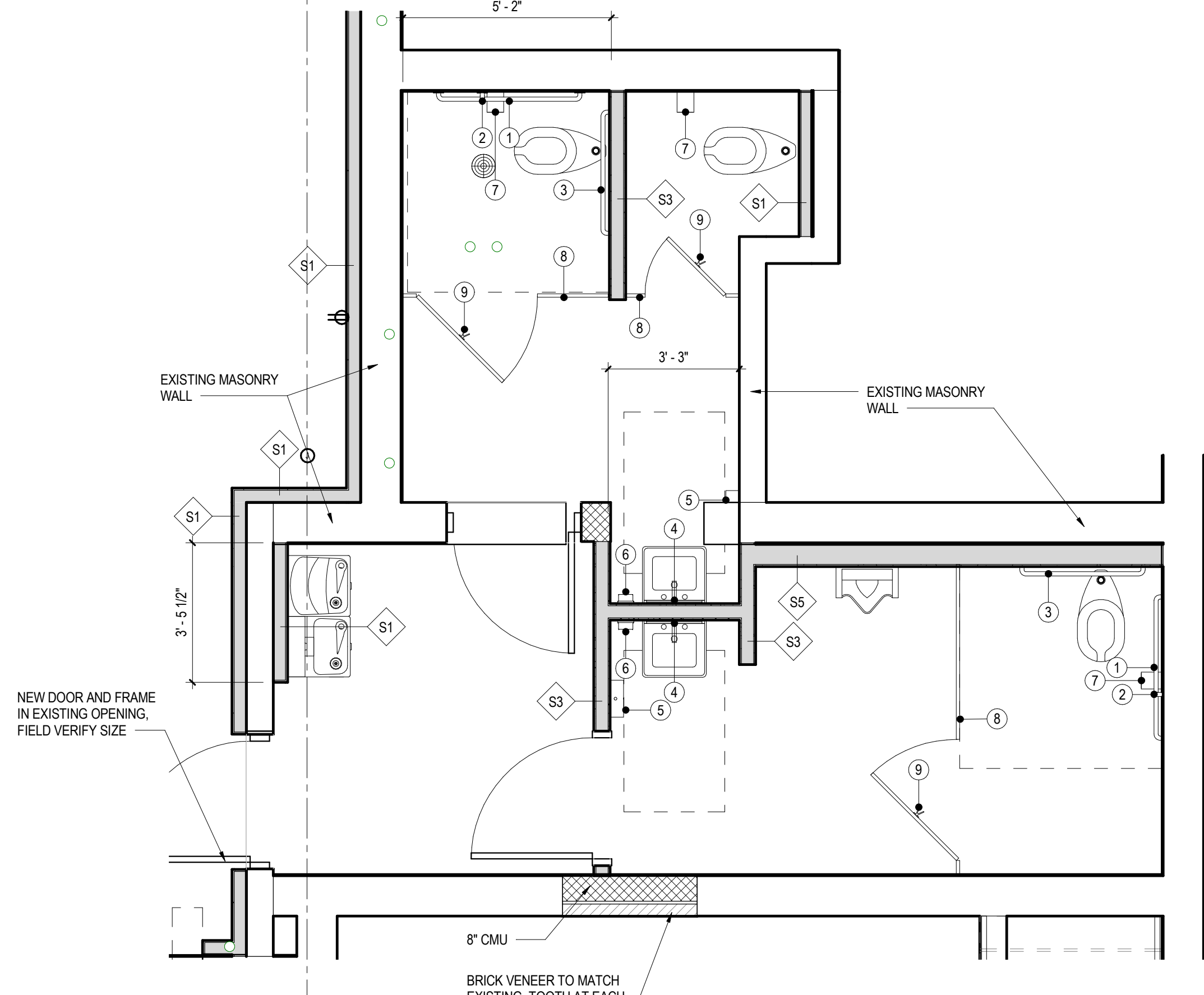


5 FIRE EXTINGUISHER DETAILS 1/2" = 1'-0"

5 FIRE EXTINGUISHER DETAILS 1/2" = 1'-0"

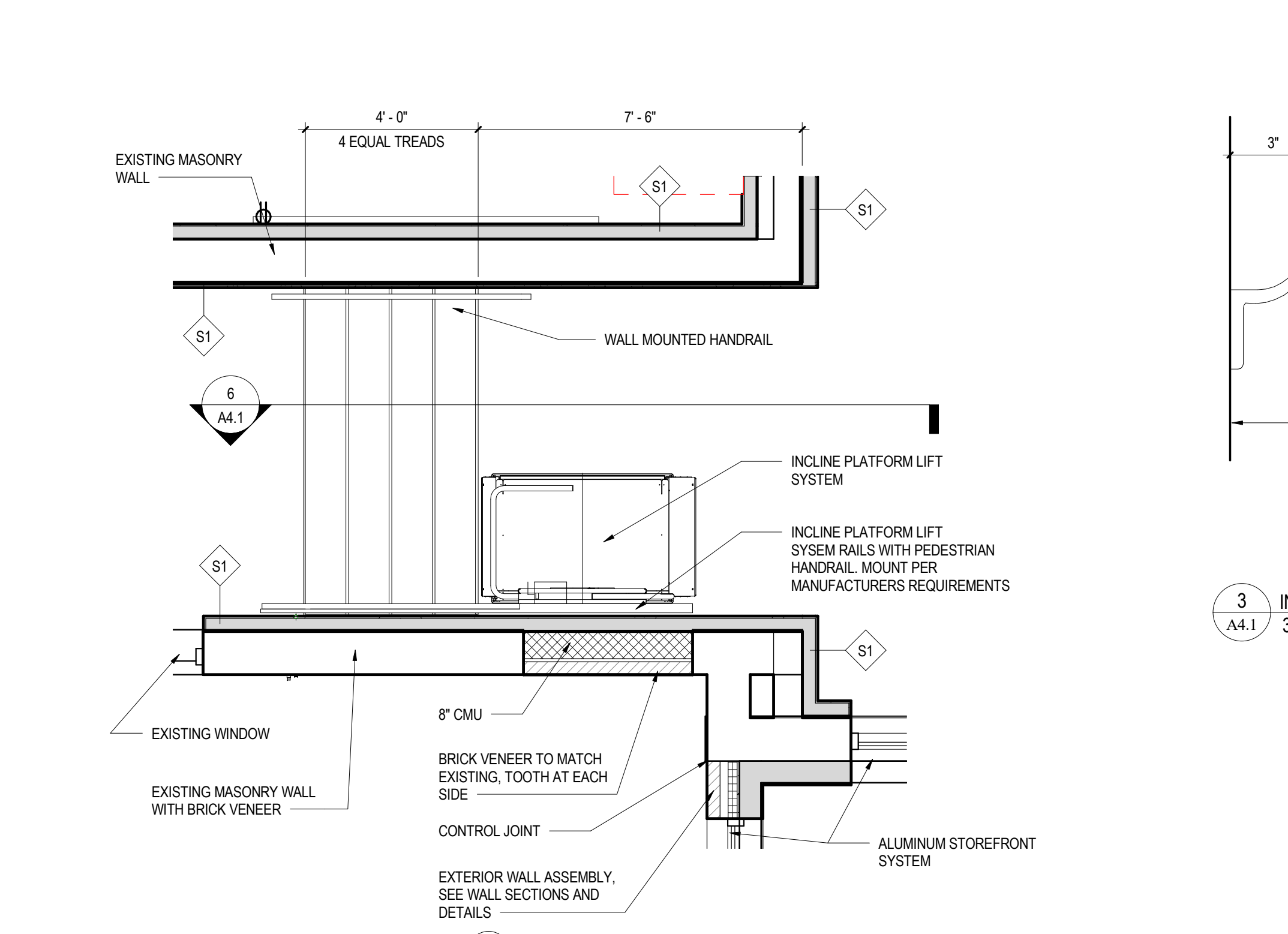
5 FIRE EXTINGUISHER DETAILS 1/2" = 1'-0"

5 FIRE EXTINGUISHER DETAILS 1/2" = 1'-0"

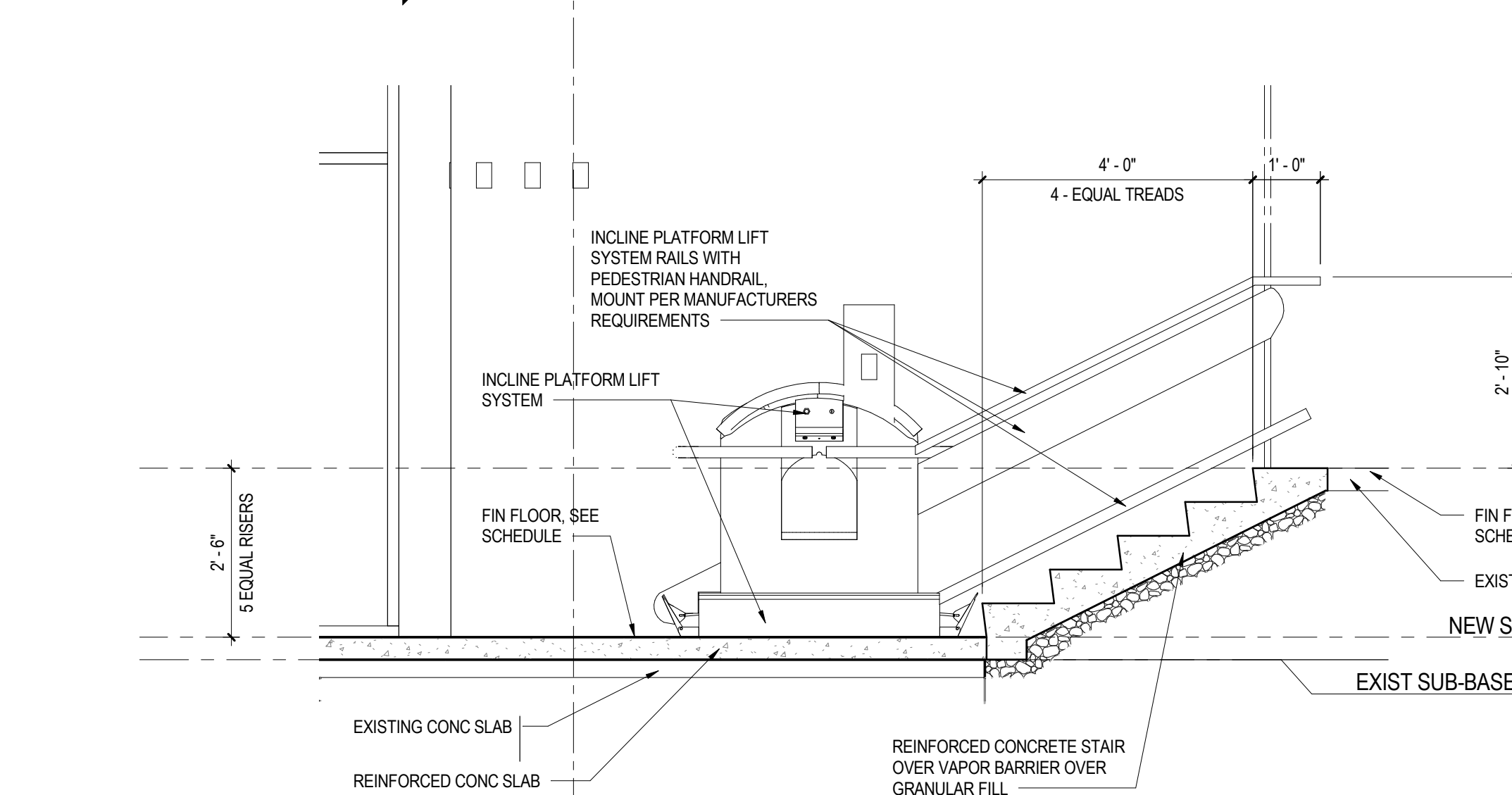


1 ENLARGED TOILET ROOM PLAN 3/8" = 1'-0"

No.	DESCRIPTION	MOUNTING	MANUFACTURER	MODEL
1	42" GRAB BAR (HORIZONTAL)	33" MIN - 36" MAX AFF TO TOP OF GRIPPING SURFACE	BOBRICK	B-5806 x 42
2	18" GRAB BAR (VERTICAL)	39" MIN - 41" MAX AFF TO BOTTOM OF GRAB BAR	BOBRICK	B-5806 x 18
3	36" GRAB BAR (HORIZONTAL)	33" MIN - 36" MAX AFF TO TOP OF GRIPPING SURFACE	BOBRICK	B-5806 x 36
4	MIRROR 18" x 30" w/ SS FRAME	40" AFF TO BOTTOM EDGE OF REFLECTING SURFACE	BOBRICK	B-165 (1830)
5	SURFACE MOUNTED PAPER TOWEL DISPENSER	48" MAX TO OUTLET OF DISPENSER	BOBRICK	B-2860
6	SURFACE MOUNTED SOAP DISPENSER	PUSH BUTTON @ 44" MAX AFF	BOBRICK	B-2111
7	TOILET PARTITION w/ COAT HOOK & BUMPER	AS SPECIFIED	AS SPECIFIED	-
8	SURFACE MTD. S.S. COAT HOOK	48" AFF TO TOP	BOBRICK	B-6827



2 ENLARGED STAIR PLAN 3/8" = 1'-0"



6 STAIR SECTION 1/2" = 1'-0"

- GENERAL NOTES:**
- ACCESSIBLE FIXTURES ARE INDICATED WITH THE REQUIRED CLEAR FLOOR SPACE CLEARANCES FOR ALL ACCESSIBLE ROUTES & MANEUVERING CLEARANCES.
 - PLUMBING FIXTURE ROUGH-IN DIMENSIONS & TOILET PARTITION LAYOUT DIMENSIONS ARE FROM THE WALL FINISH MATERIAL.
 - PROVIDE WOOD BLOCKING IN STUD WALLS FOR ALL TOILET ACCESSORIES.
 - TOILET PARTITION DIMENSIONS ARE TO THE PANEL CENTERLINE UNLESS NOTED OTHERWISE. MINIMUM CLEAR DIMENSIONS MUST BE PROVIDED WHERE NOTED.
 - COORDINATE ALL WALL FINISHES WITH THE ROOM FINISH SCHEDULE.
 - CONTRACTOR TO CONFIRM WITH THE OWNER'S REPRESENTATIVE THE LOCATION OF ALL SURFACE-MOUNTED TOILET ROOM ACCESSORIES PRIOR TO INSTALLATION.
 - URINAL PARTITIONS SHALL BEGIN AT A HEIGHT NO MORE THAN 12" FROM AND EXTEND NOT LESS THAN 60" ABOVE THE FINISHED FLOOR SURFACE. URINAL PARTITIONS SHALL EXTEND FROM THE WALL SURFACE AT EACH SIDE OF THE URINAL A MINIMUM OF 18".
 - ACCESSIBLE LOCKERS ARE INDICATED AS " " AT DOUBLE TIER LOCKERS, ONLY THE BOTTOM TIER IS REQUIRED TO BE ACCESSIBLE. FOR FOUR TIER LOCKERS, ONLY THE BOTTOM TWO TIERS ARE REQUIRED TO BE ACCESSIBLE.

REVISIONS

NO.	DATE	DESCRIPTION OF CHANGES

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**ADDITION AND RENOVATIONS
 MULTIPURPOSE ROOM
 FLUVANNA COUNTY
 132 MAIN STREET
 PALMYRA, VA 22963**

250 WEST MAIN STREET, SUITE 200
 CHARLOTTEVILLE VA 22902
 434-975-7262

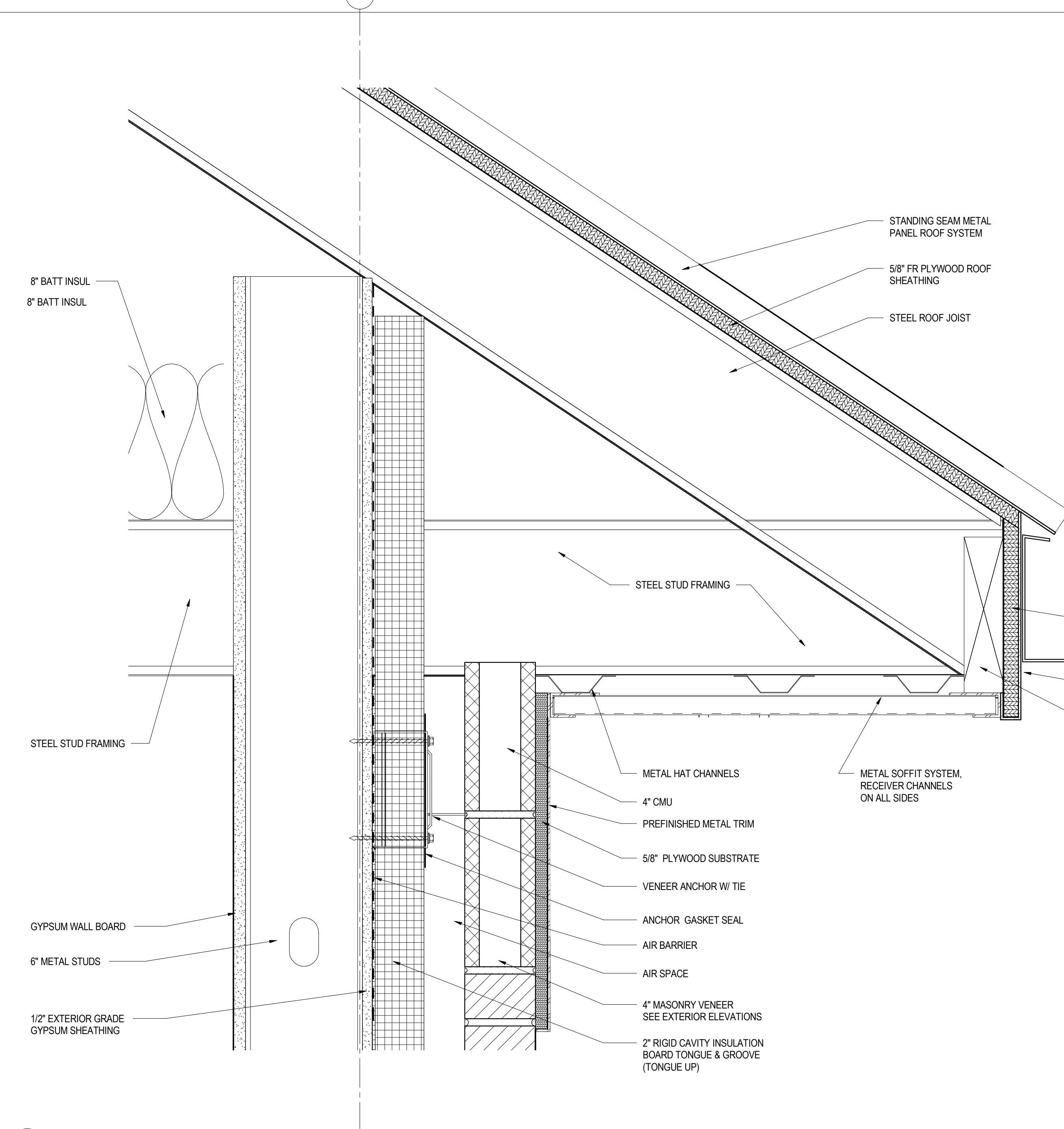
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LARGE SCALE PLANS, SECTIONS AND DETAILS

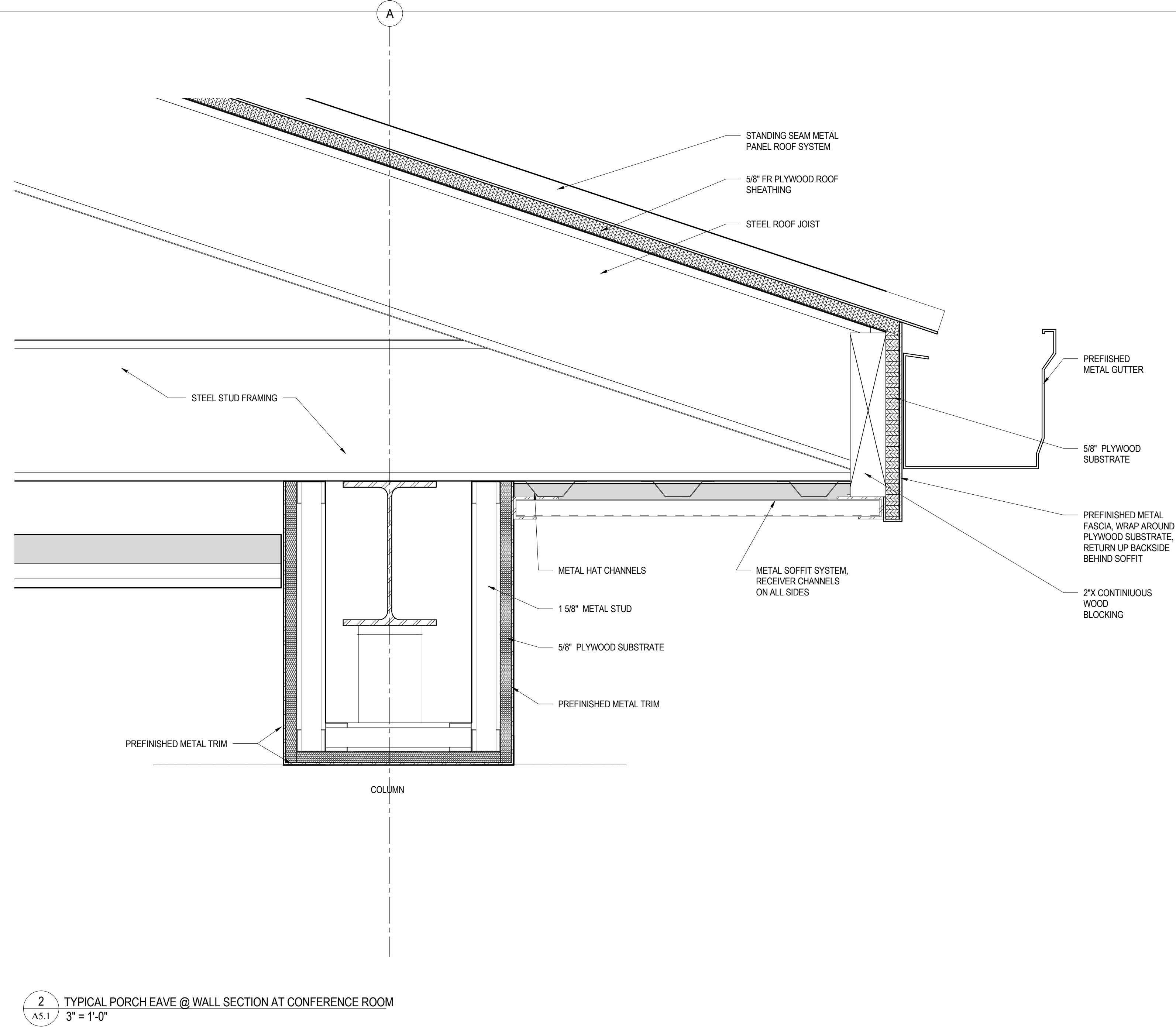
PROJECT

PLOT SCALE: As indicated
 FILENAME:
 DATE: AUGUST 28, 2020

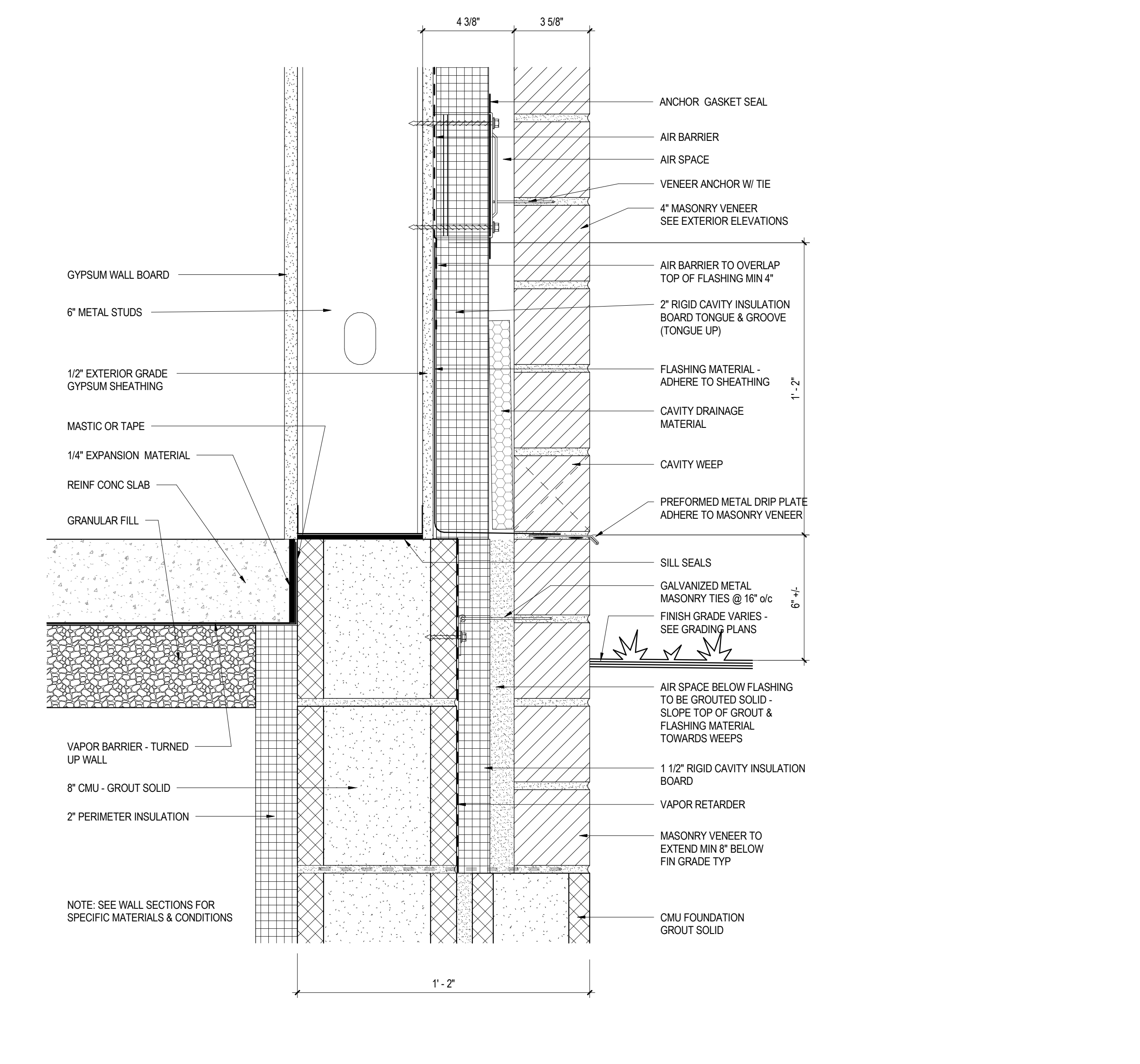
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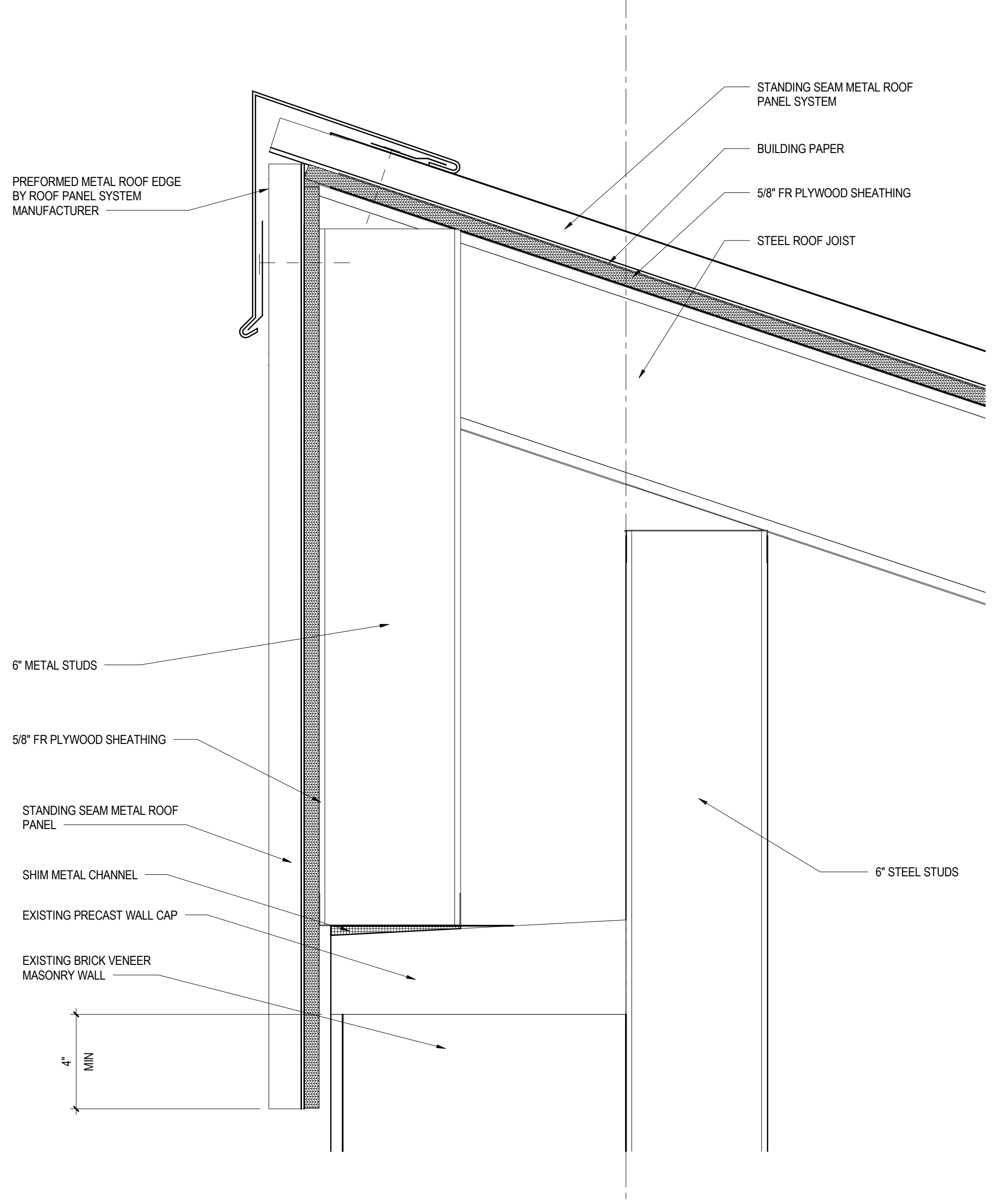
1 TYPICAL EAVE DETAIL
AS.1 3" = 1'-0"



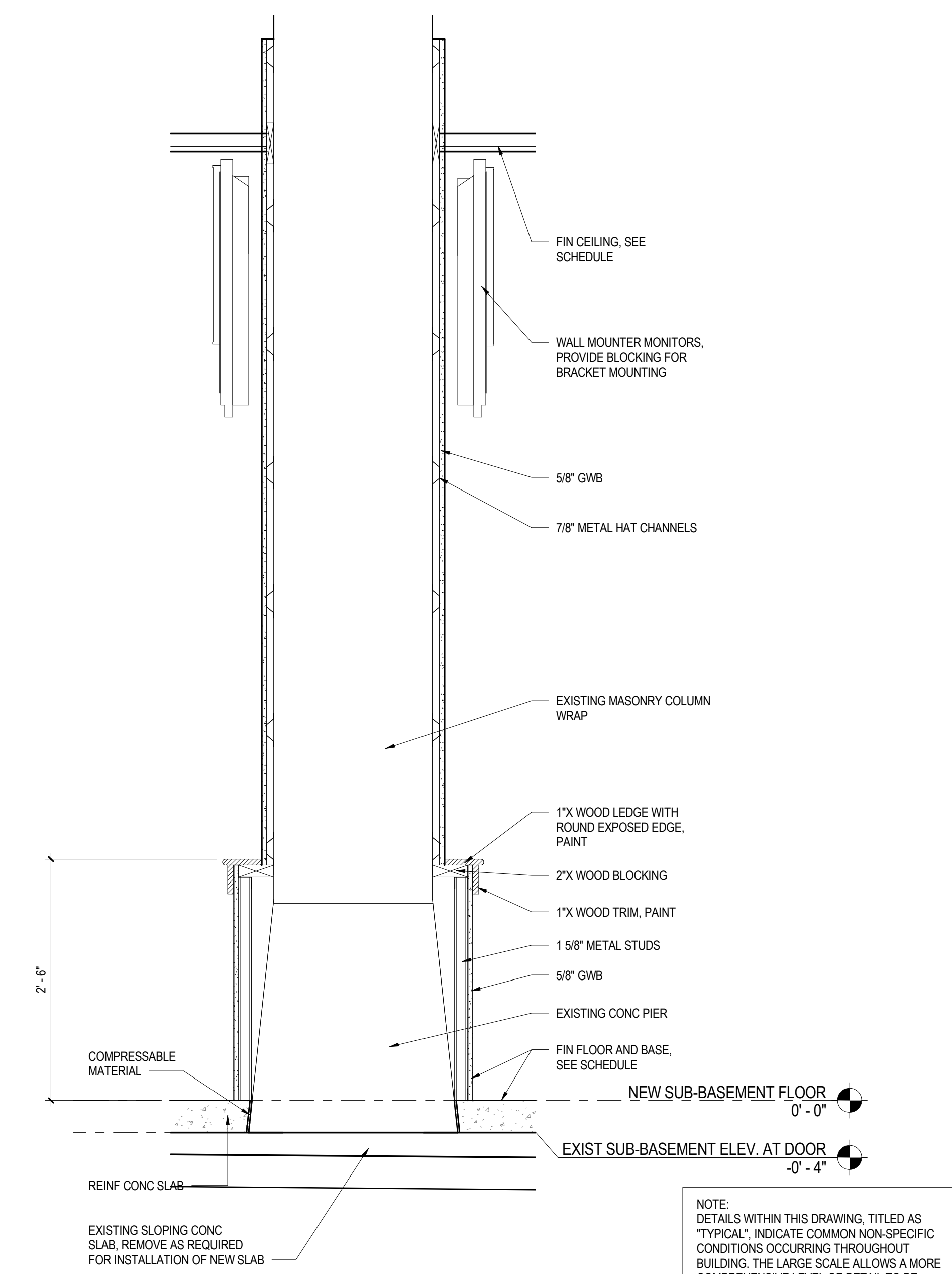
2 TYPICAL PORCH EAVE @ WALL SECTION AT CONFERENCE ROOM
AS.1 3" = 1'-0"



4 TYPICAL STUD BASE FLASHING DETAIL
AS.1 3" = 1'-0"



5 ROOF EDGE DETAIL
AS.1 3" = 1'-0"



3 TYPICAL SECTION AT EXISTING COLUMN
AS.1 1" = 1'-0"

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 PALMYRA, VA 22963

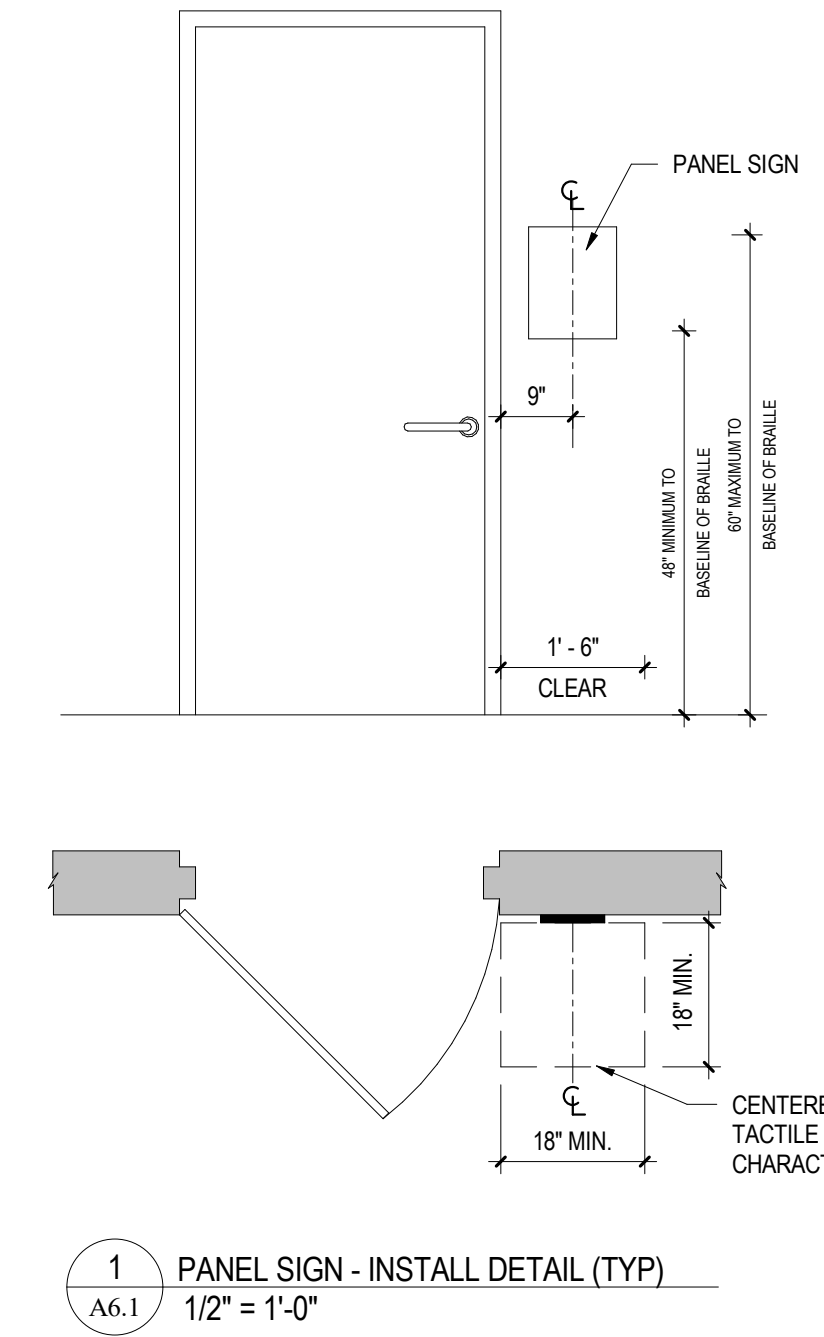
DETAILS

PROJECT
A5.1

DATE: AUGUST 28, 2020

ROOM FINISH SCHEDULE									
NUMBER	NAME	COLOR SCHEME	FLOOR	BASE	WALLS			CEILING FINISH	REMARKS
					WALL FINISH	WAINSCOT FINISH	HEIGHT		
7	EXISTING ELEVATOR		ETR	ETR	ETR			ETR	
101	VESTIBULE		EM	RB	PNT			ACT	
102	CORRIDOR		CPT1/CPT2	RB	PNT			ACT/PNT	R2,R10,R77
103	MECHANICAL/ ELECTRICAL		ETR	ETR	ETR			ETR	
104	CONFERENCE A		CPT1/CPT2	RB	PNT			ACT/PNT	R2,R53, R77
105	STORAGE		ETR	ETR	ETR			ETR	
106	CORRIDOR		CPT1/CPT2	RB	PNT			ACT/PNT	R2,R53, R77
107	STAIR		ETR	ETR	ETR			ETR	
108	ELEV. MACH.		ETR	ETR	ETR			ETR	
109	CORRIDOR		CPT1/CPT2	RB	PNT			ACT	R2,R53
110	MEETING ROOM		CPT1/CPT2	RB/WD	PNT/WD			ACT	R2,R27,R52,R53
111	WOMEN		PT1	--	PT1/PT2			ACT	R52,R56
112	CORRIDOR		PT1	PT1	PNT			ACT	
113	MEN		PT1	--	PT1/PT2			ACT	R52,R56
114	CONFERENCE B		CPT1/CPT2	RB	PNT			ACT	R2,R53

SIGNAGE SCHEDULE												
ORIGINAL		SIGN TO READ			SIGN TYPE				DIRECTIONAL ARROW		QTY	REMARKS
ROOM#	ARCHITECTURAL ROOM NAME	ROOM#	ROOM NAME	TYPE	ADA	FEMALE	MALE	TRANSGENDER	LEFT	RIGHT		
EXIST SUB-BASEMENT ELEV. AT DOOR												
7	EXISTING ELEVATOR	--	--	4D						•	1	PLACE @ ELEVATOR
101	VESTIBULE	--	--	--							0	
102	CORRIDOR	--	--	--							0	
103	MECHANICAL/ ELECTRICAL	TBD	MECHANICAL ROOM	1A							1	PLACE ON ADJACENT WALL NEXT TO DOOR 103
104	CONFERENCE A	TBD	CONFERENCE ROOM A	1C							1	PLACE @ DOOR 104
105	STORAGE	TBD	STORAGE	1A							1	PLACE @ DOOR 105
106	CORRIDOR	--	--	--							0	
107	STAIR	--	--	--							0	
108	ELEV. MACH.	TBD	ELEVATOR MECHANICAL	1A							1	PLACE @ DOOR 108
109	CORRIDOR	--	--	--							0	
110	MEETING ROOM	--	--	4A/4B							2	4A VERIFY PLACEMENT IN FIELD, 4B PLACE @ DOOR 101B
111	WOMEN	TBD	WOMEN'S	2A	•	•					1	PLACE @ DOOR 111
112	CORRIDOR	TBD	RESTROOMS	2A	•	•	•				1	PLACE @ DOOR 112
113	MEN	TBD	MEN'S	2A	•		•				1	PLACE @ DOOR 113
114	CONFERENCE B	TBD	CONFERENCE ROOM B	1C							1	PLACE SIGN ON ADJACENT WALL FROM THE MAN DOOR @ FOLDING PARTITION



1 PANEL SIGN - INSTALL DETAIL (TYP)
A6.1 1/2" = 1'-0"

GENERAL NOTE IN REFERENCE TO A6.1

- INSTALL SIGNS LEVEL, PLUMB, AND AT THE HEIGHT INDICATED, WITH SIGN SURFACES FREE FROM DISTORTION OR OTHER DEFECTS IN APPEARANCE.
- TACTILE CHARACTERS SHALL BE 48 INCHES MINIMUM ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE HIGHEST TACTILE CHARACTER.
- WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAVES, THE SIGN SHALL BE TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR, OR TO THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE ON THE NEAREST ADJACENT WALL.
- SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR AREA 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.
 - EXCEPTION:** SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD OPEN DEVICES.
- GENERAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR REGARDING NUMBERING FOR ELECTRICAL PANELS.

<p>TYPE 1A SIZE: 8"x8" NOT TO SCALE</p>	<p>TYPE 1C SIZE: 8"x8" NOT TO SCALE</p>	<p>TYPE 2A SIZE: 8"x10" NOT TO SCALE</p>
<p>TYPE 4A SIZE: 8"x10" NOT TO SCALE</p>	<p>TYPE 4B SIZE: 8"x10" NOT TO SCALE</p>	<p>TYPE 4D SIZE: 8"x10" NOT TO SCALE</p>

ROOM FINISH SCHEDULE LEGEND	
FLOOR FINISH	CPT CARPET EM ENTRANCE MAT PT PORCELAIN TILE
FLOOR REMARKS	R1: NOT USED R2: SEE FLOOR PATTERN PLANS FOR VARYING FLOOR MATERIALS. R3-9: NOT USED R10: T=CPT, R=CPT, L=CPT, NOSING=RUBBER. R11-R25: NOT USED
BASE FINISH	PT PORCELAIN TILE RB RUBBER WD WOOD PANELING
BASE REMARKS	R26: NOT USED R27: RUBBER BASE NOT REQUIRED AT WOOD ACCENT WALL. REFER TO ELEVATIONS. R28-R50: NOT USED
WALL FINISH	PNT PAINT PT PORCELAIN TILE WD WOOD PANELING
WALL REMARKS	R51: NOT USED R52: SEE INTERIOR ELEVATIONS FOR VARYING WALL MATERIALS. R53: PROVIDE ACCENT WALL. R54-55: NOT USED R56: PROVIDE FULL HEIGHT PORCELAIN TILE AT BATHROOM WALLS. R57-R75: NOT USED
CEILING FINISH	ACT ACOUSTICAL CEILING TILE PNT PAINTED GYPSUM WALLBOARD
CEILING REMARKS	R76: NOT USED R77: SEE REFLECTED CEILING PLANS FOR VARYING CEILING MATERIALS AND HEIGHTS. R78-R100: NOT USED
GENERAL NOTES	1. REFER TO SPECIFICATIONS FOR DETAILED DESCRIPTION OF FINISH SYSTEM TYPES. 2. REFER TO WALL TYPES FOR MASONRY LOCATIONS AND DETAILS. 3. GYPSUM WALLBOARD BULKHEADS AND SOFFITS SHALL BE PAINTED. 4. ALL HOLLOW METAL DOOR AND FRAMES, INTERIOR AND EXTERIOR, SHALL BE PAINTED. 5. ALL INTERIOR AND EXTERIOR FERROUS METAL SHALL BE PAINTED INCLUDING LINTELS, RAILINGS, GRILLES AND LOUVERS. (DOES NOT INCLUDE FACTORY OR PRE-FINISHED ITEMS) 6. T=TREAD, R=RISER, L=LANDING 7. SEE I7 DRAWINGS FOR MATERIAL TRANSITIONS & FLOOR PATTERN PLANS. 8. ETR = EXISTING TO REMAIN 9. EXIST = EXISTING

REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGES

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**ADDITION AND RENOVATIONS
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ROOM FINISH & SIGNAGE SCHEDULE

PLOT SCALE: 1/2" = 1'-0"
 FILENAME:
 DATE: AUGUST 28, 2020

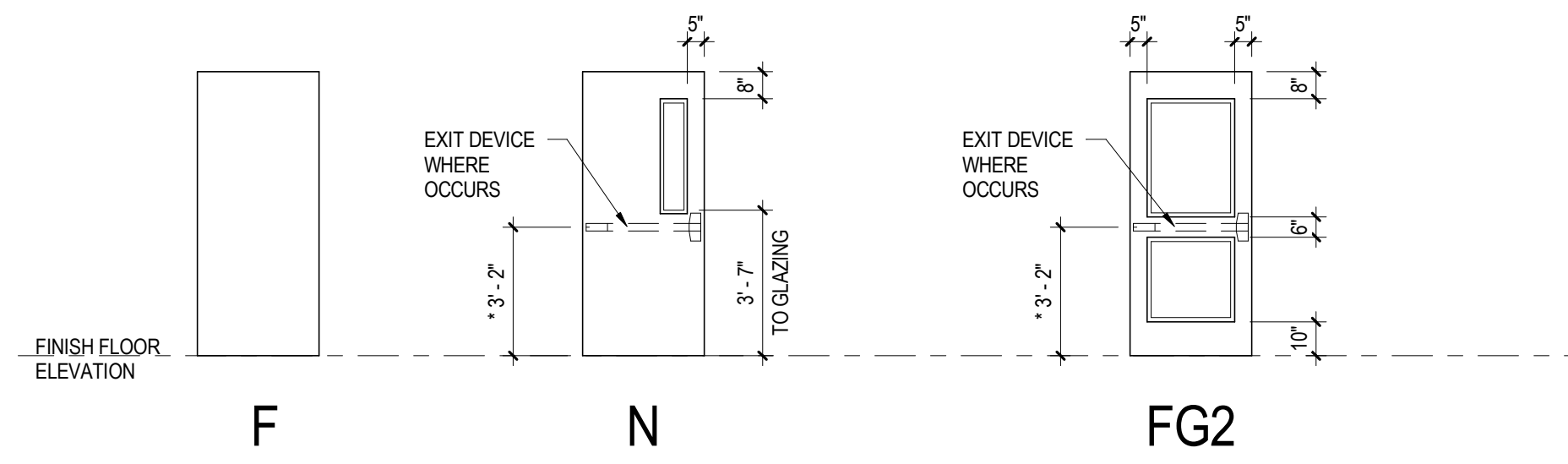
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OPENING NUMBER	DOOR & FRAME UL RATING	DOOR TYPE	DOOR MATERIAL	GLAZING TYPE	DOOR DIMENSIONS				FRAME		DETAILS		HARDWARE SET	SPECIAL DETAIL	REMARKS
					WIDTH		HEIGHT	THICKNESS	FRAME TYPE	FRAME MATERIAL	HEAD	JAMB			
					LEAF 1	LEAF 2									
101A	--	FG	ALUM	INSUL. TEMP	3'-0"	3'-0"	7'-0"	1 3/4"	--	ALUM	2/A6.3	3/A6.3	--	--	ALUMINUM STOREFRONT AND ENTRY SYSTEM
101B	--	FG	ALUM	TEMP	3'-0"	3'-0"	7'-0"	1 3/4"	--	ALUM	5/A6.3	6/A6.3	--	--	ALUMINUM STOREFRONT AND ENTRY SYSTEM
103	--	F	WD	--	3'-0"	--	7'-2"	1 3/4"	H1	HM	1/A6.2	2/A6.2	--	--	
104	--	F	WD	--	3'-0"	--	7'-2"	1 3/4"	H1	HM	3/A6.2	4/A6.2	--	--	
105	--	F	WD	--	3'-0"	--	7'-2"	1 3/4"	H1	HM	1/A6.2	2/A6.2	--	--	
108	45 MIN.	F	WD	--	3'-0"	--	7'-2"	1 3/4"	H1	HM	1/A6.2	2/A6.2	--	--	
111	--	F	WD	--	3'-0"	--	7'-2"	1 3/4"	H1	HM	6/A6.2	7/A6.2, 8/A6.2	--	--	
112	--	N	WD	TEMP	3'-0"	--	7'-2"	1 3/4"	H1	HM	8/A6.2	9/A6.2	--	--	
113	--	F	WD	--	3'-0"	--	7'-2"	1 3/4"	H1	HM	1/A6.2	2/A6.2	--	--	

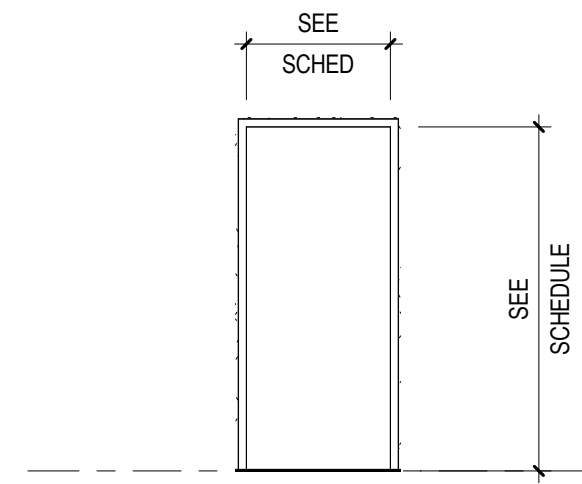
DOOR TYPES

* - RECOMMENDED MOUNTING HEIGHT FROM FINISHED FLOOR TO CENTER LINE OF FIRE EXIT DEVICE
 ** - COORDINATE WITH DOOR MANUFACTURE REQUIREMENTS

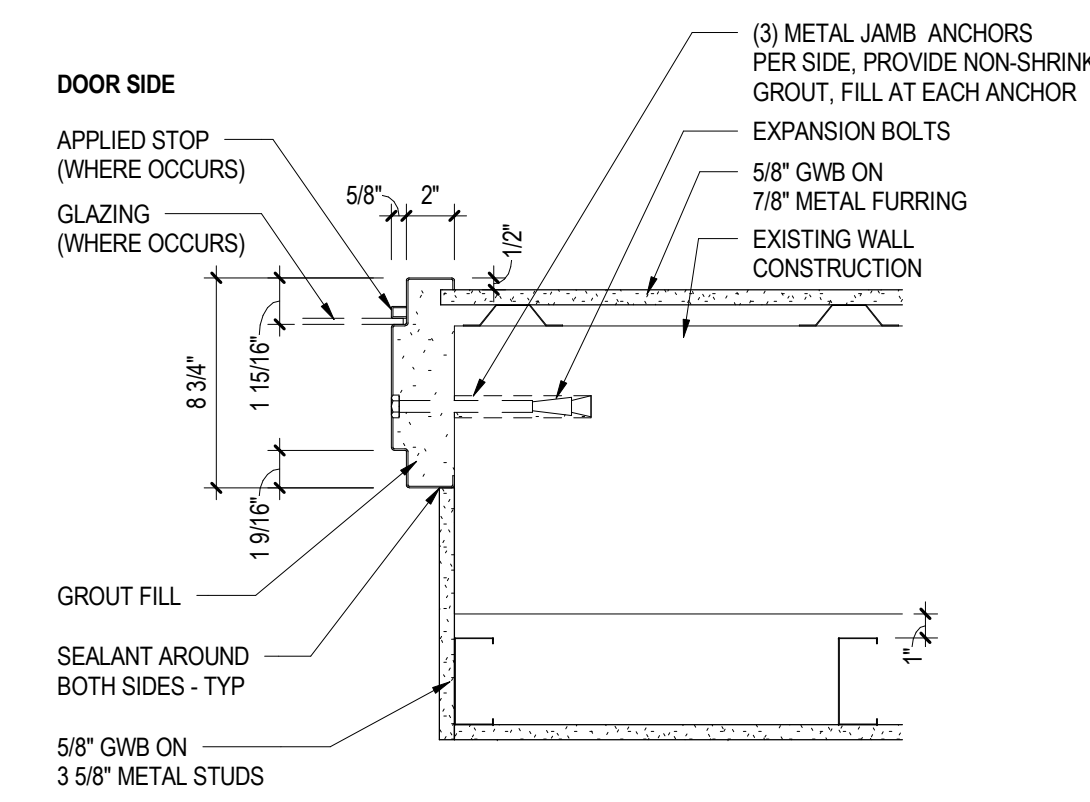


HOLLOW METAL FRAME ELEVATIONS

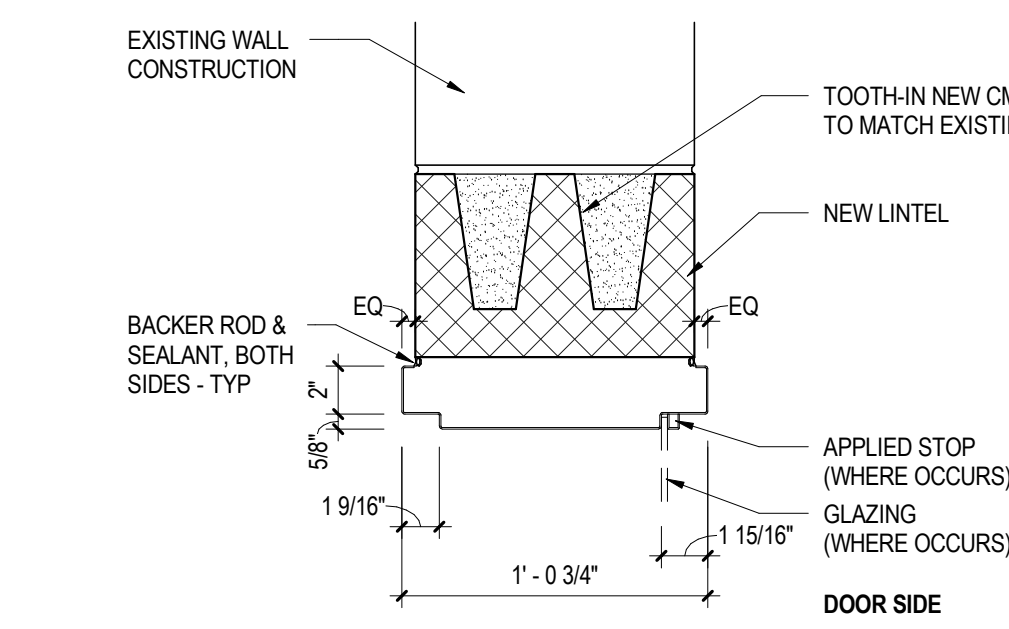
NOTE: 1. ALL GLASS TO BE TEMPERED ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24 INCH ARC OR EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION.
 2. GLASS LITES GREATER THAN 9 SQUARE FEET WHERE THE BOTTOM EDGE IS WITHIN 18 INCHES OF THE FINISHED FLOOR AND THE TOP EDGE EXTENDS ABOVE 36 INCHES AFF SHALL BE TEMPERED.
 3. GLASS WHERE THE FINISHED FLOOR OR GRADE ON THE OPPOSING SIDE OF GLASS IS GREATER THAN 30 INCHES SHALL BE TEMPERED TO A HEIGHT OF 42 INCHES AFF.
 4. ANY PORTION OF GLASS WITHIN CONSTRAINTS OF ABOVE REQUIREMENTS THE ENTIRE PANEL SHALL BE TEMPERED.



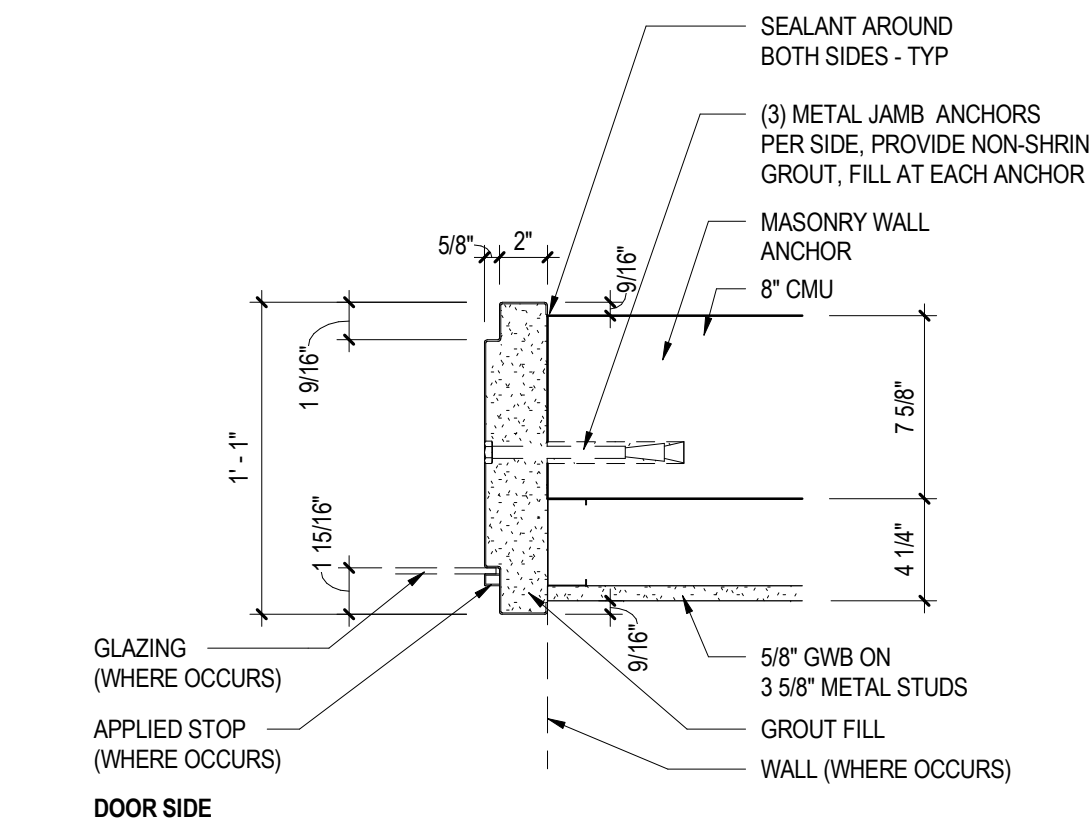
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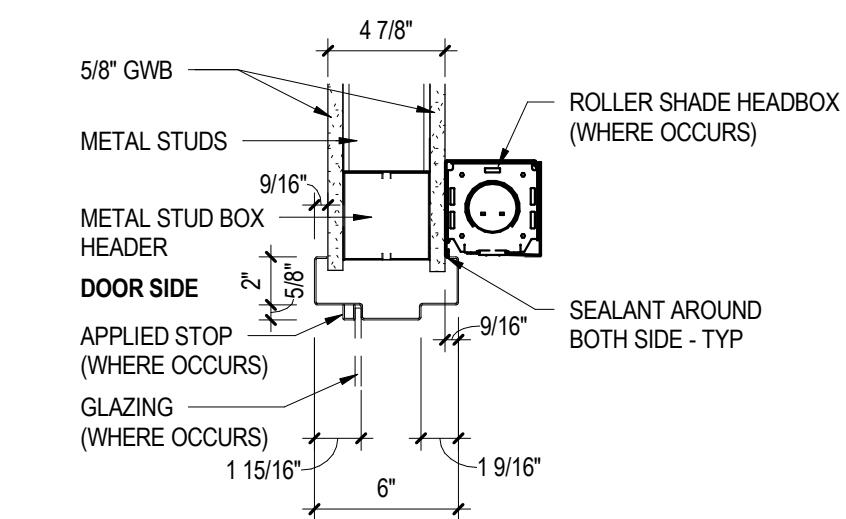
4 HM INTERIOR JAMB - NEW FRAME IN EXISTING MASONRY WALL
 A6.2 1 1/2" = 1'-0"



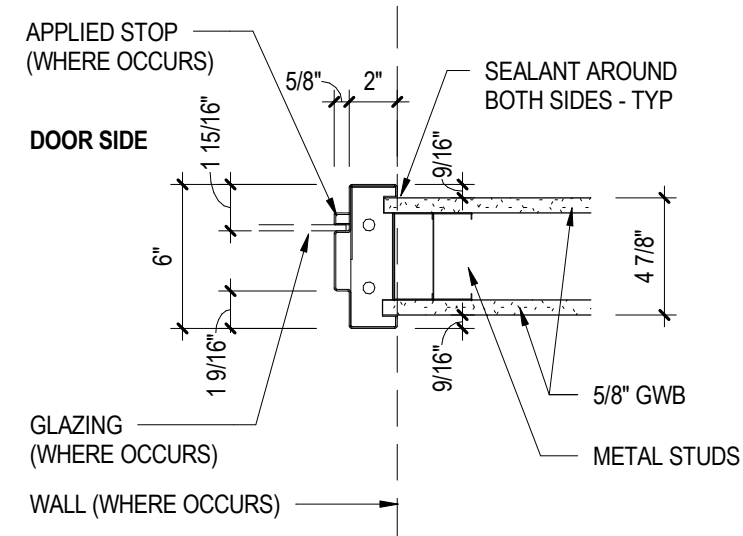
5 HM INTERIOR HEAD - 12\"/>



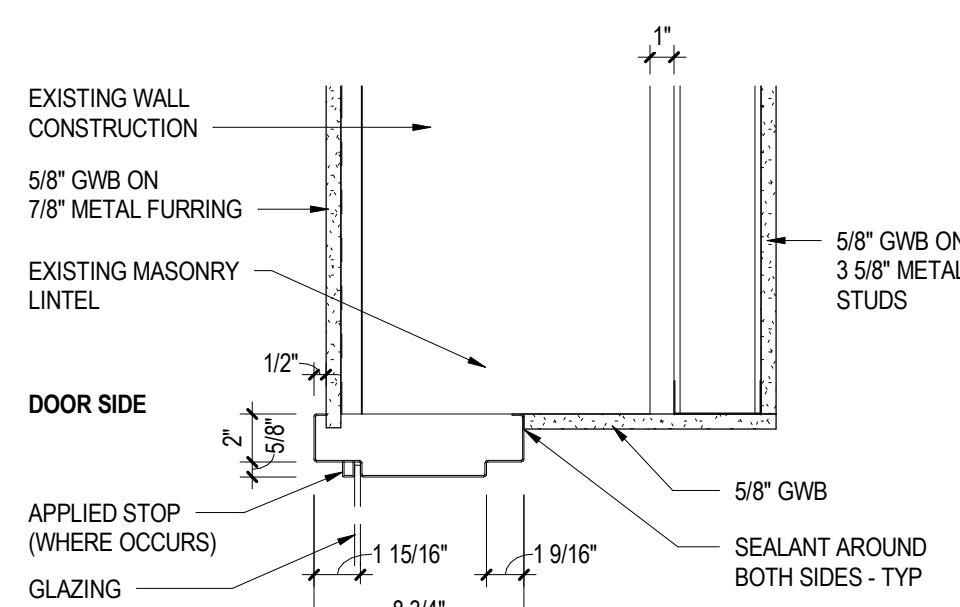
9 HM INTERIOR JAMB
 A6.2 1 1/2" = 1'-0"



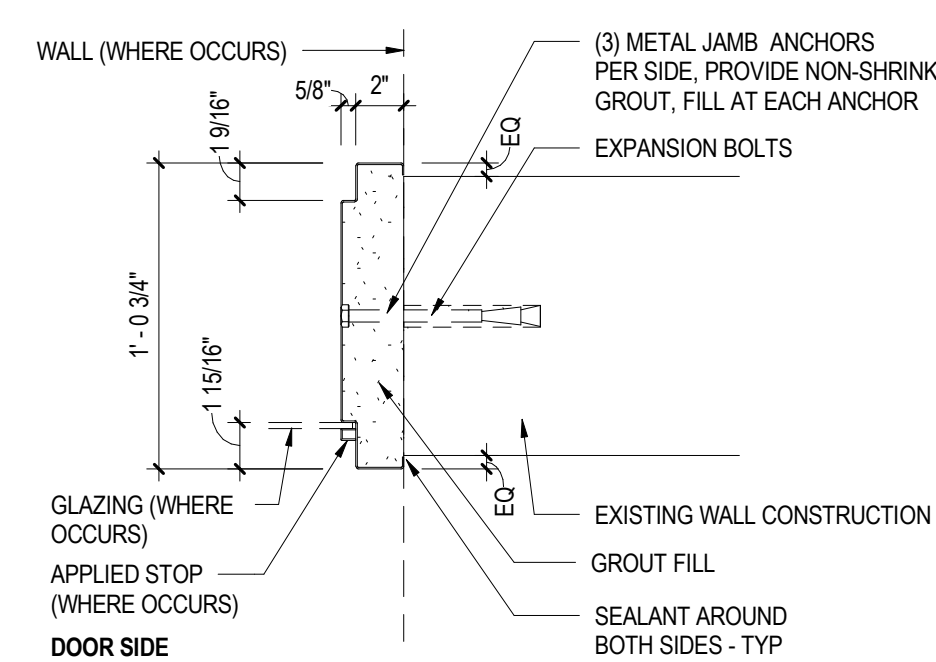
1 HM INTERIOR HEAD - 3 5/8\"/>



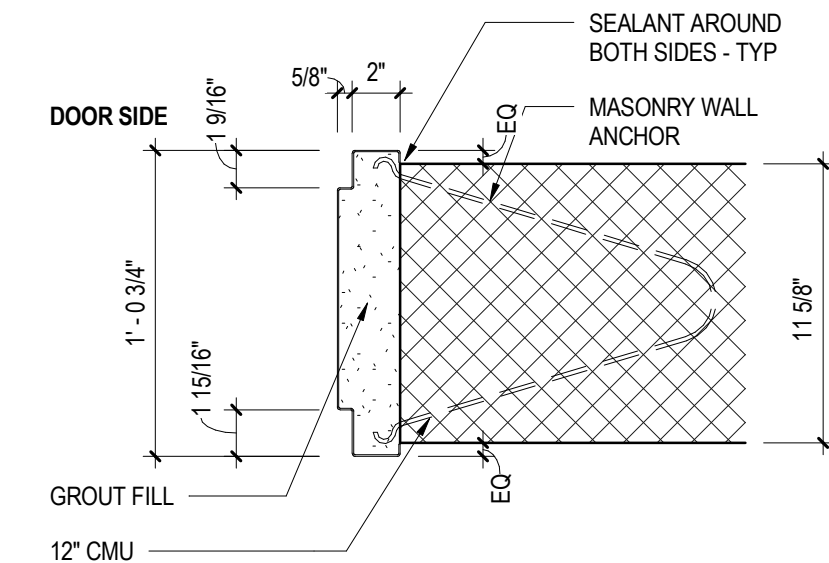
2 HM INTERIOR JAMB - 3 5/8\"/>



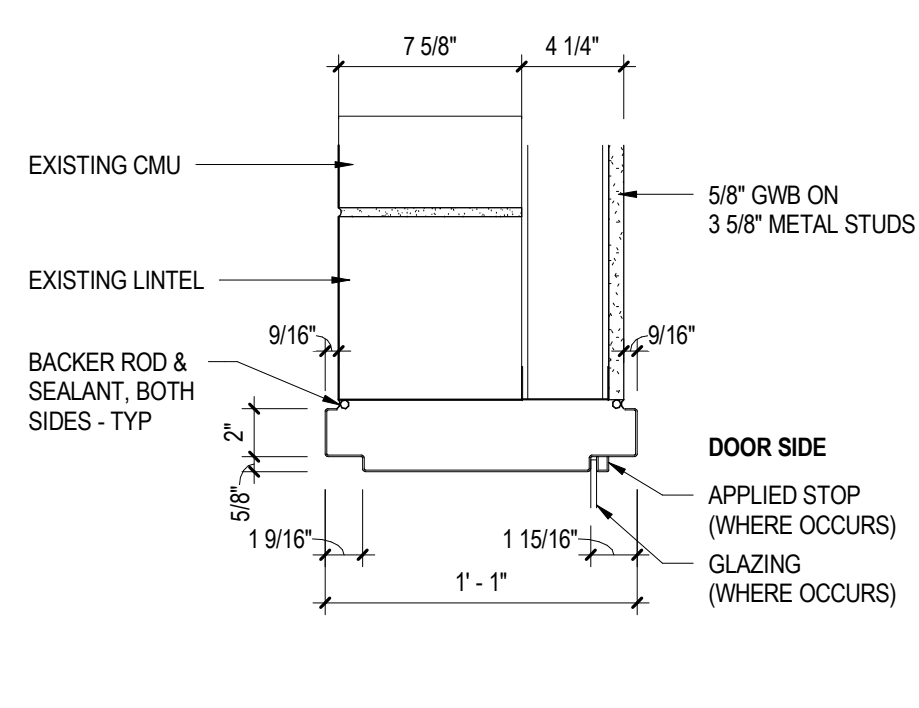
3 HM INTERIOR HEAD - NEW FRAME IN EXISTING MASONRY WALL
 A6.2 1 1/2" = 1'-0"



6 HM INTERIOR JAMB - 12\"/>



7 HM INTERIOR JAMB - 12\"/>



8 HM INTERIOR HEAD
 A6.2 1 1/2" = 1'-0"

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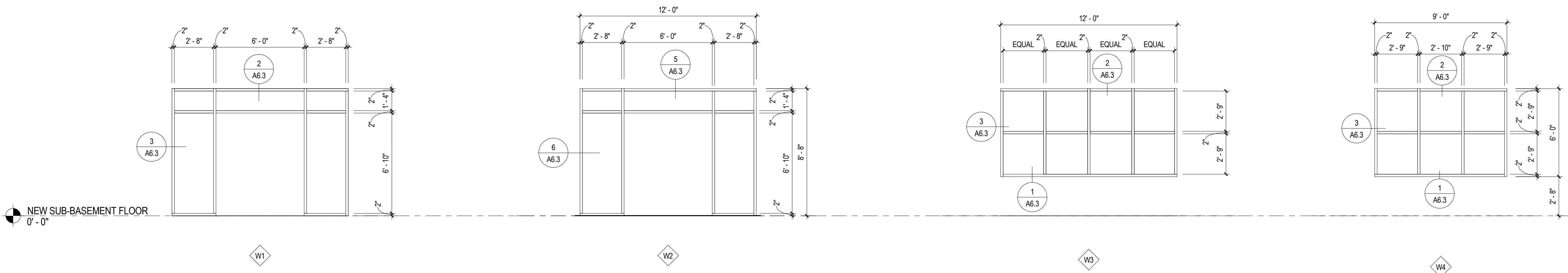


DOOR SCHEDULE, HOLLOW METAL FRAME ELEVATIONS AND DETAILS
 PROJECT
 A6.2
 DATE: AUGUST 28, 2020

ALUMINUM STOREFRONT ELEVATIONS

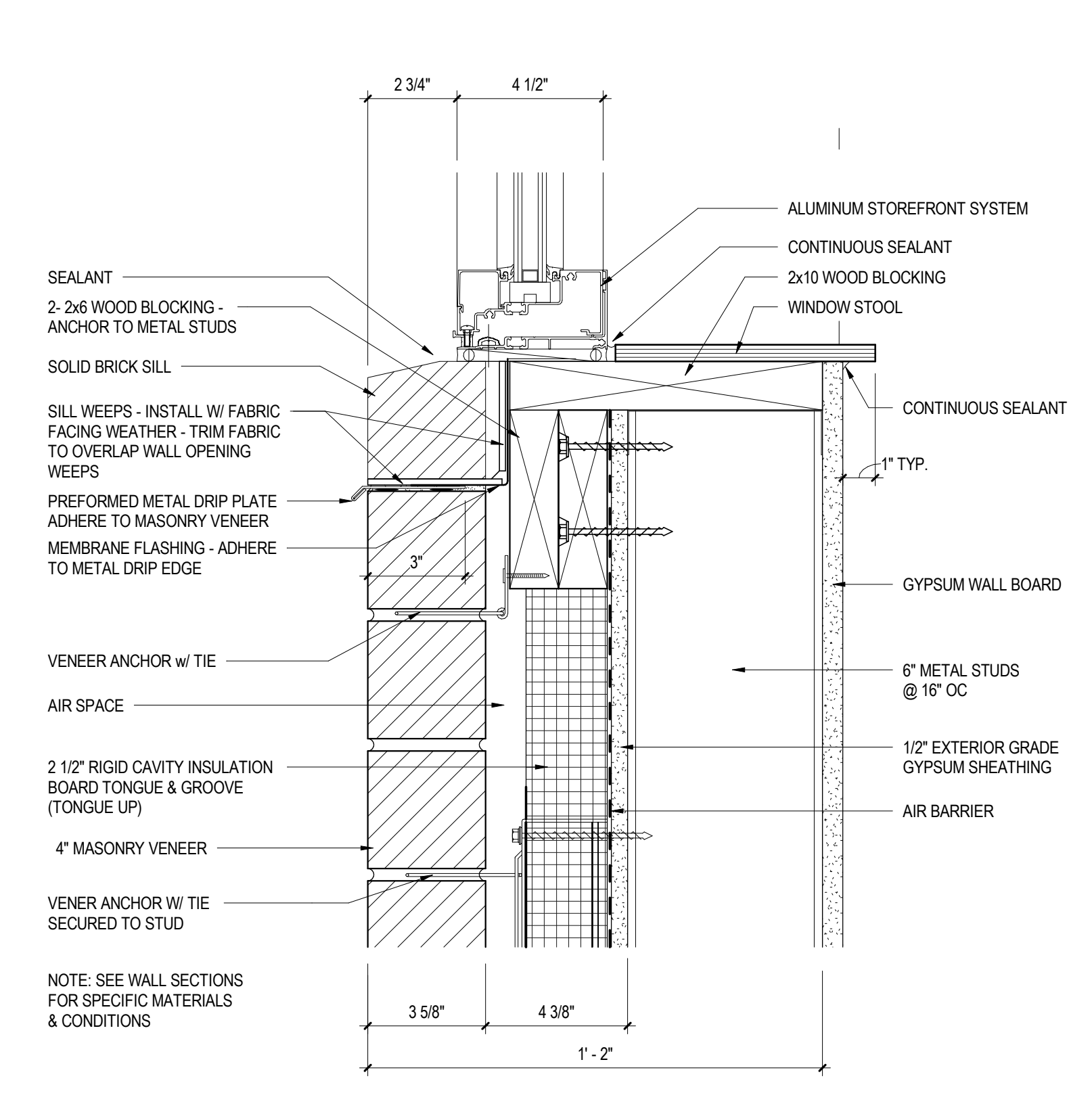
NOTE: 1. ALL GLASS TO BE TEMPERED ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24 INCH ARC OR EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION.
 2. GLASS LITES GREATER THAN 9 SQUARE FEET WHERE THE BOTTOM EDGE IS WITHIN 18 INCHES OF THE FINISHED FLOOR AND THE TOP EDGE EXTENDS ABOVE 36 INCHES AFF SHALL BE TEMPERED.
 3. GLASS WHERE THE FINISHED FLOOR OR GRADE ON THE OPPOSING SIDE OF GLASS IS GREATER THAN 30 INCHES SHALL BE TEMPERED TO A HEIGHT OF 42 INCHES AFF.
 4. ANY PORTION OF GLASS WITHIN CONSTRAINTS OF ABOVE REQUIREMENTS THE ENTIRE PANEL SHALL BE TEMPERED.

GLAZING LEGEND	
	CLEAR GLAZING
	ACID ETCHED GLAZING
	SPANDREL PANEL
	LAMINATED GLAZING

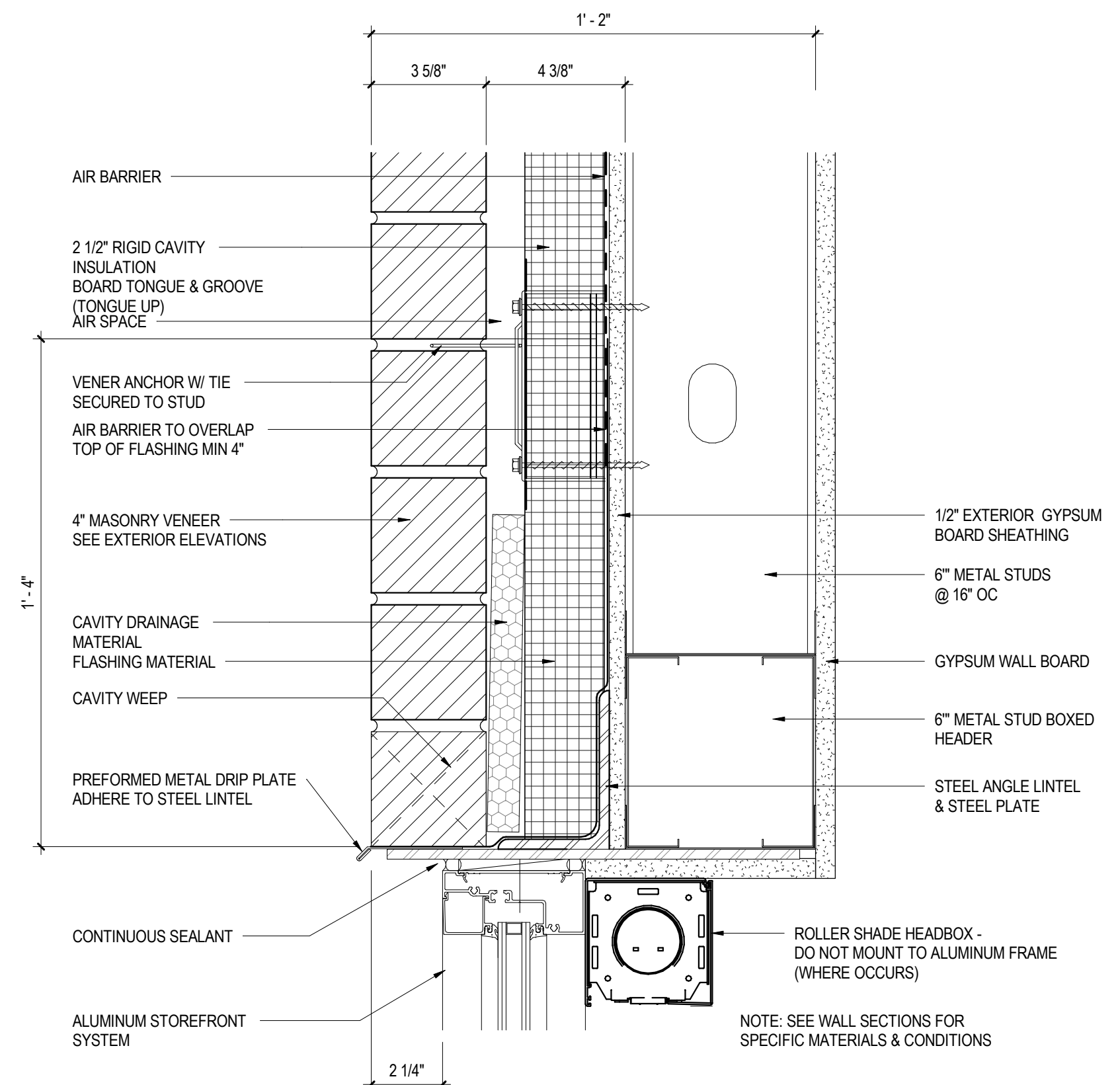


ALUMINUM STOREFRONT DETAILS

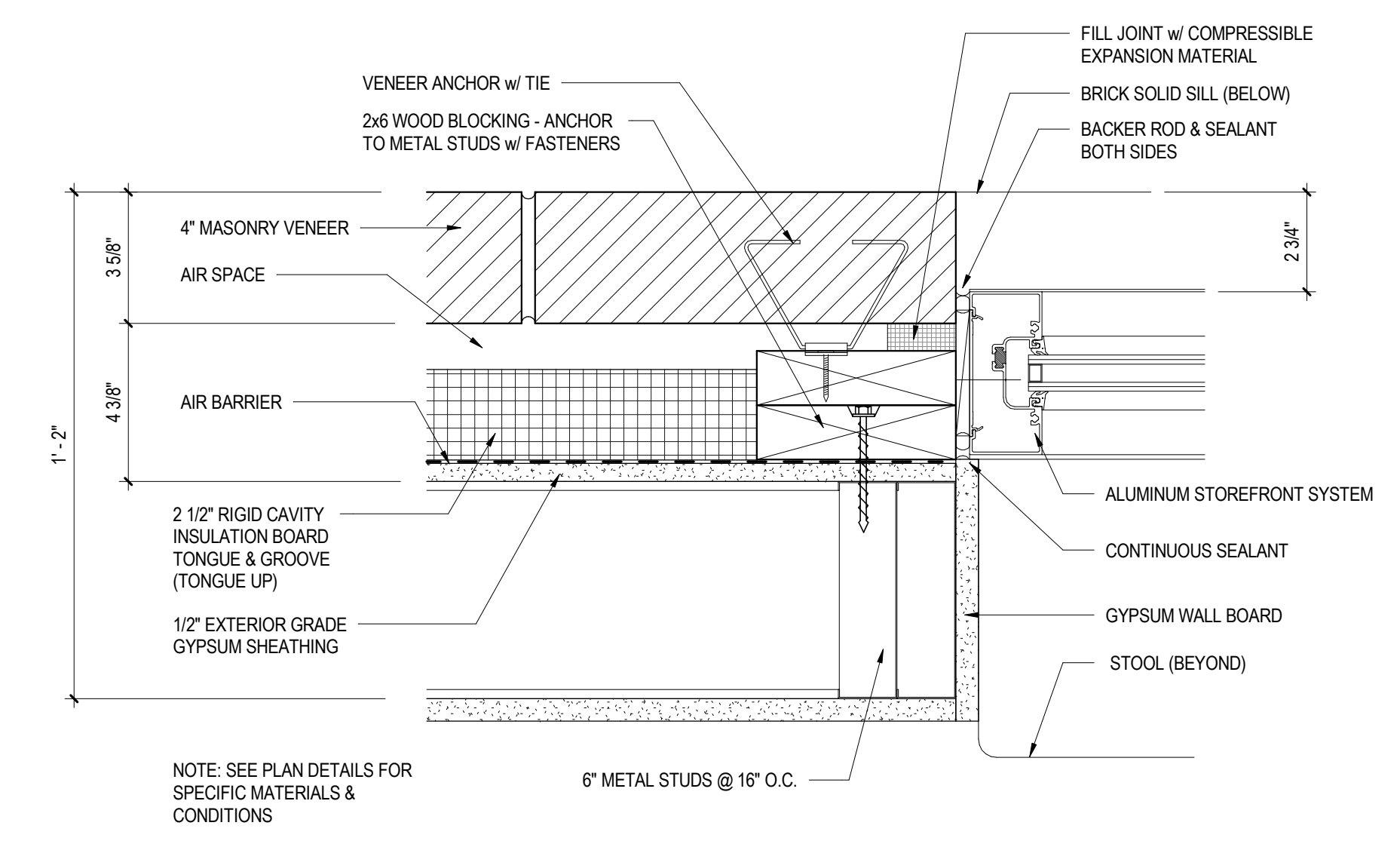
NOTE: 1. CONCRETE MASONRY UNITS INDICATED ARE DIAGRAMATIC IN NATURE AND ARE NOT SPECIFIC TO ANY MANUFACTURER. MASONRY CONTRACTOR SHALL INCORPORATE SHAPES AND OR CUT UNITS AS REQUIRED TO MEET DETAIL REQUIREMENTS.
 2. LINTELS INDICATED TO BE COORDINATED WITH STRUCTURAL DRAWINGS.



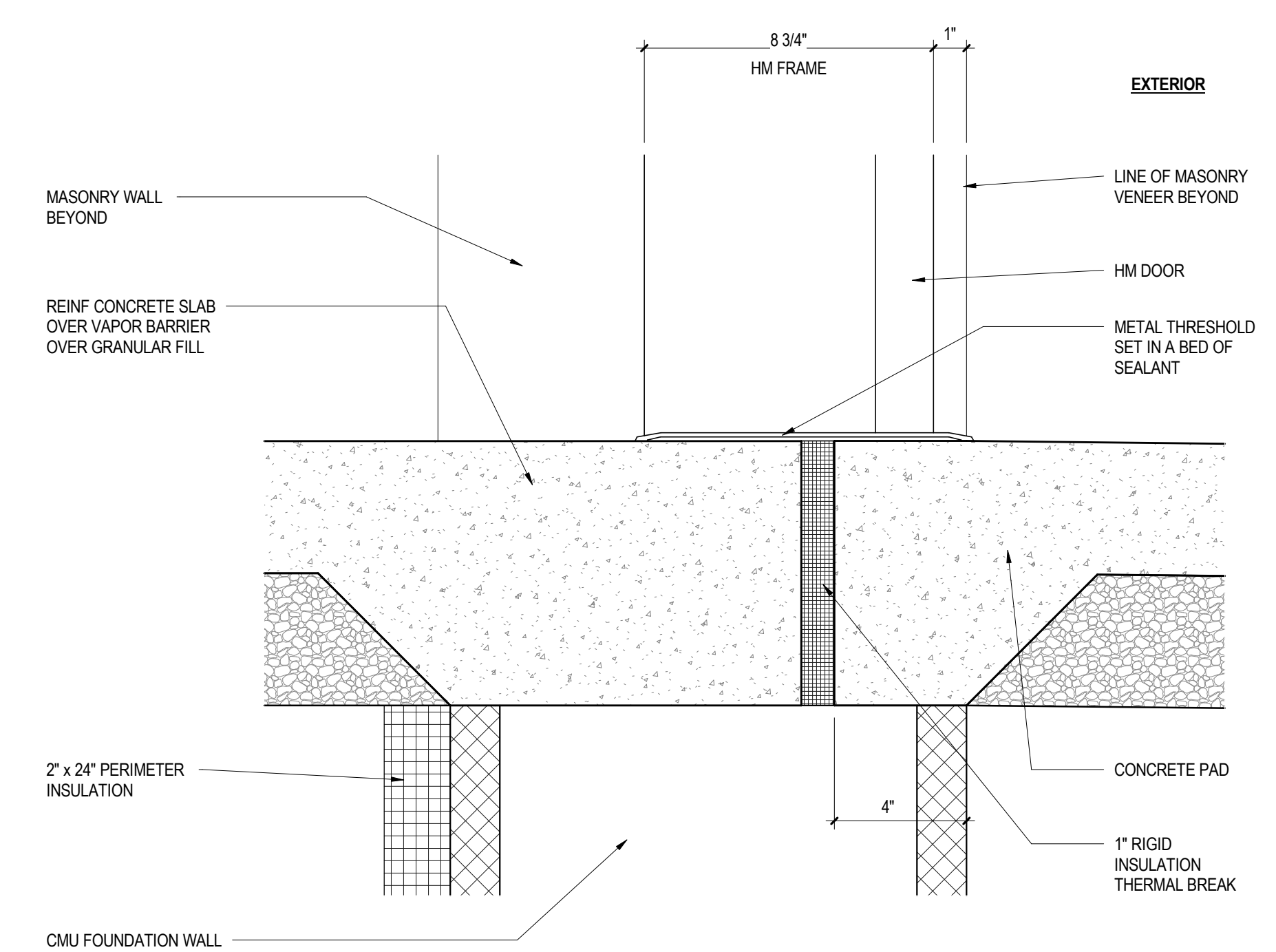
1 TYPICAL SILL DETAIL AT METAL STUD FRAMING
 A6.3 3" = 1'-0"



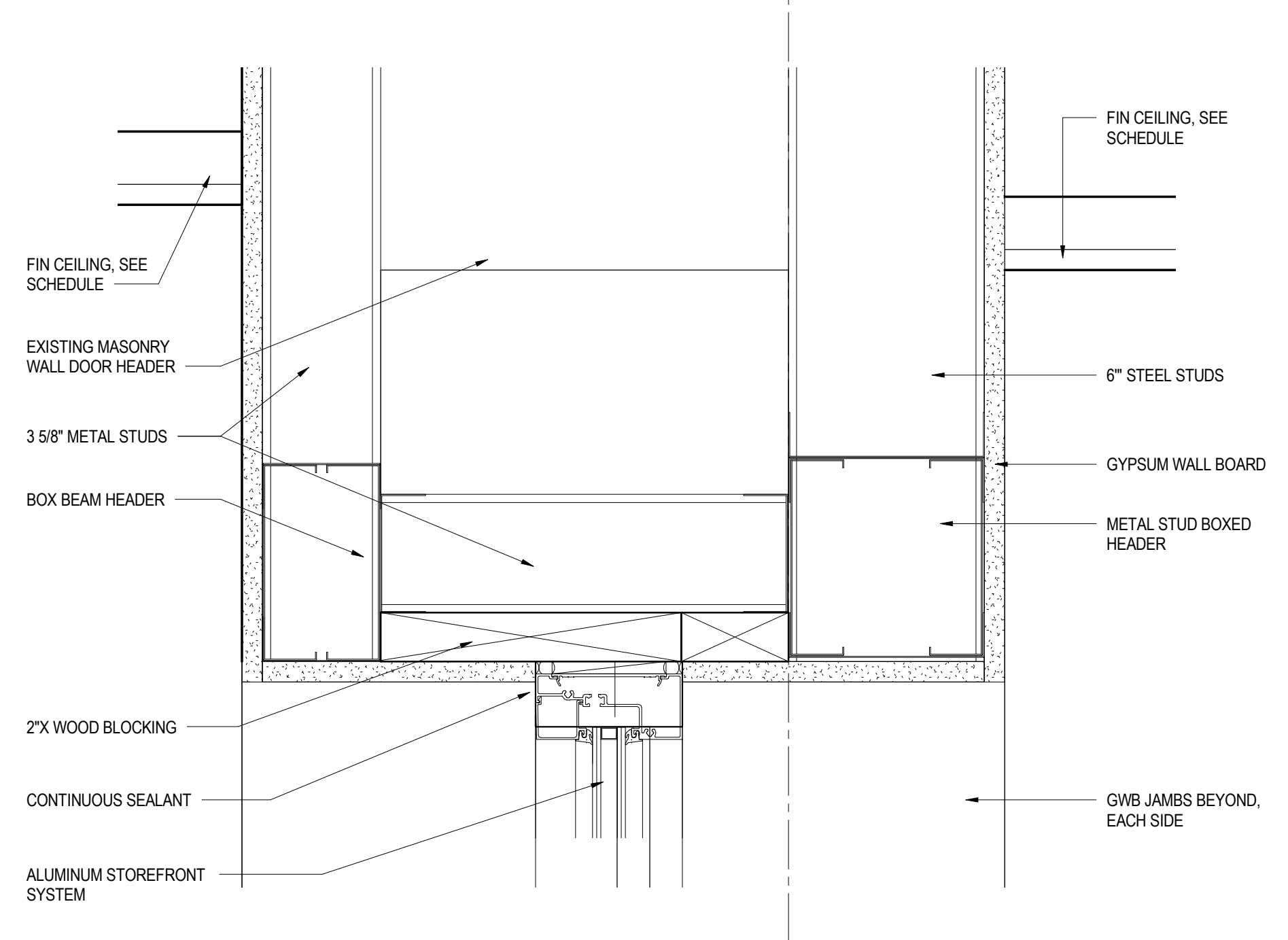
2 TYPICAL HEAD DETAIL AT METAL STUD FRAMING
 A6.3 3" = 1'-0"



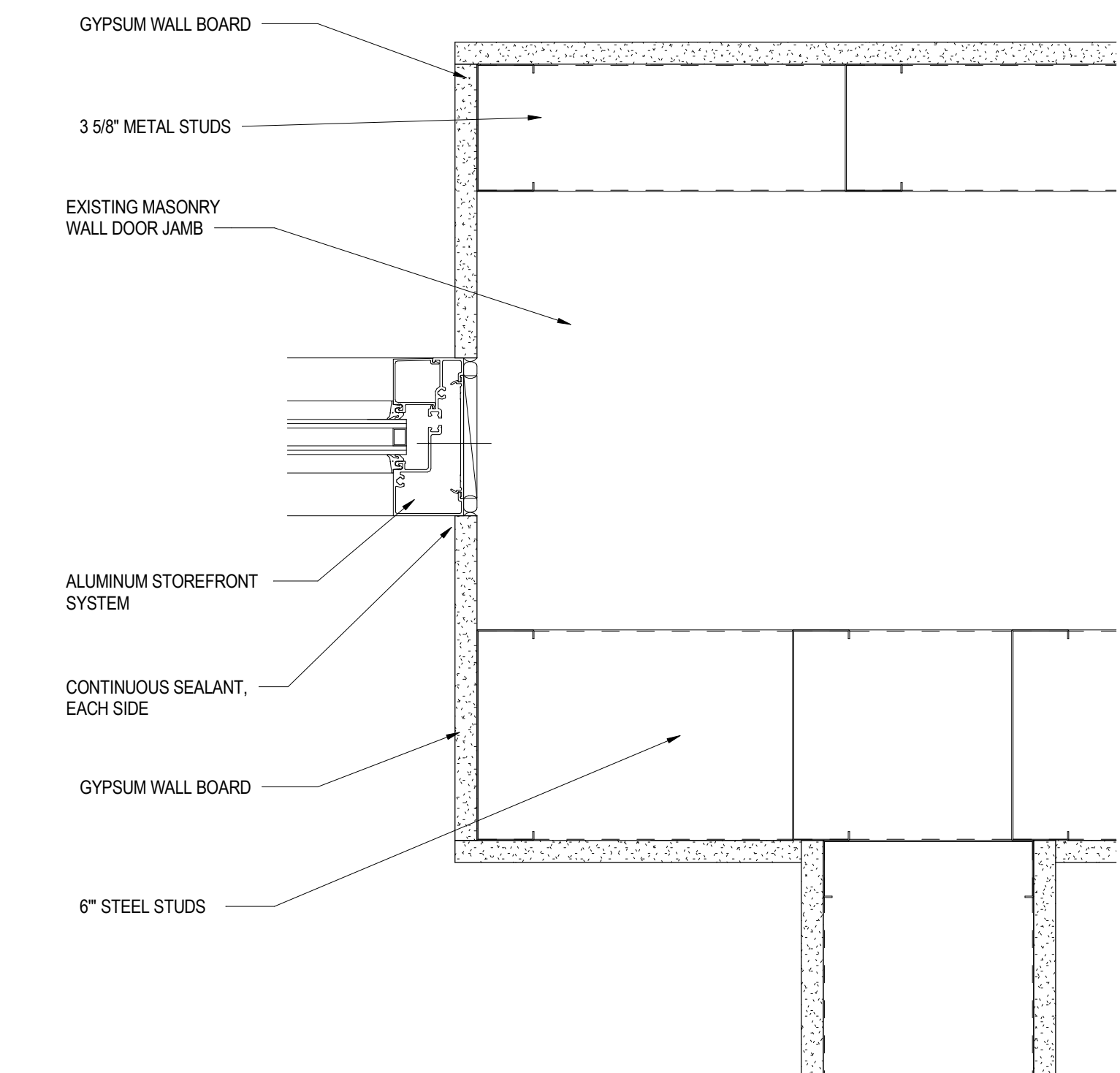
3 TYPICAL JAMB DETAIL AT METAL STUD FRAMING
 A6.3 3" = 1'-0"



4 EXTERIOR THRESHOLD DETAIL
 A6.3 3" = 1'-0"



5 ALUMINUM STOREFRONT HEAD DETAIL
 A6.3 3" = 1'-0"



6 ALUMINUM STOREFRONT JAMB DETAIL
 A6.3 3" = 1'-0"

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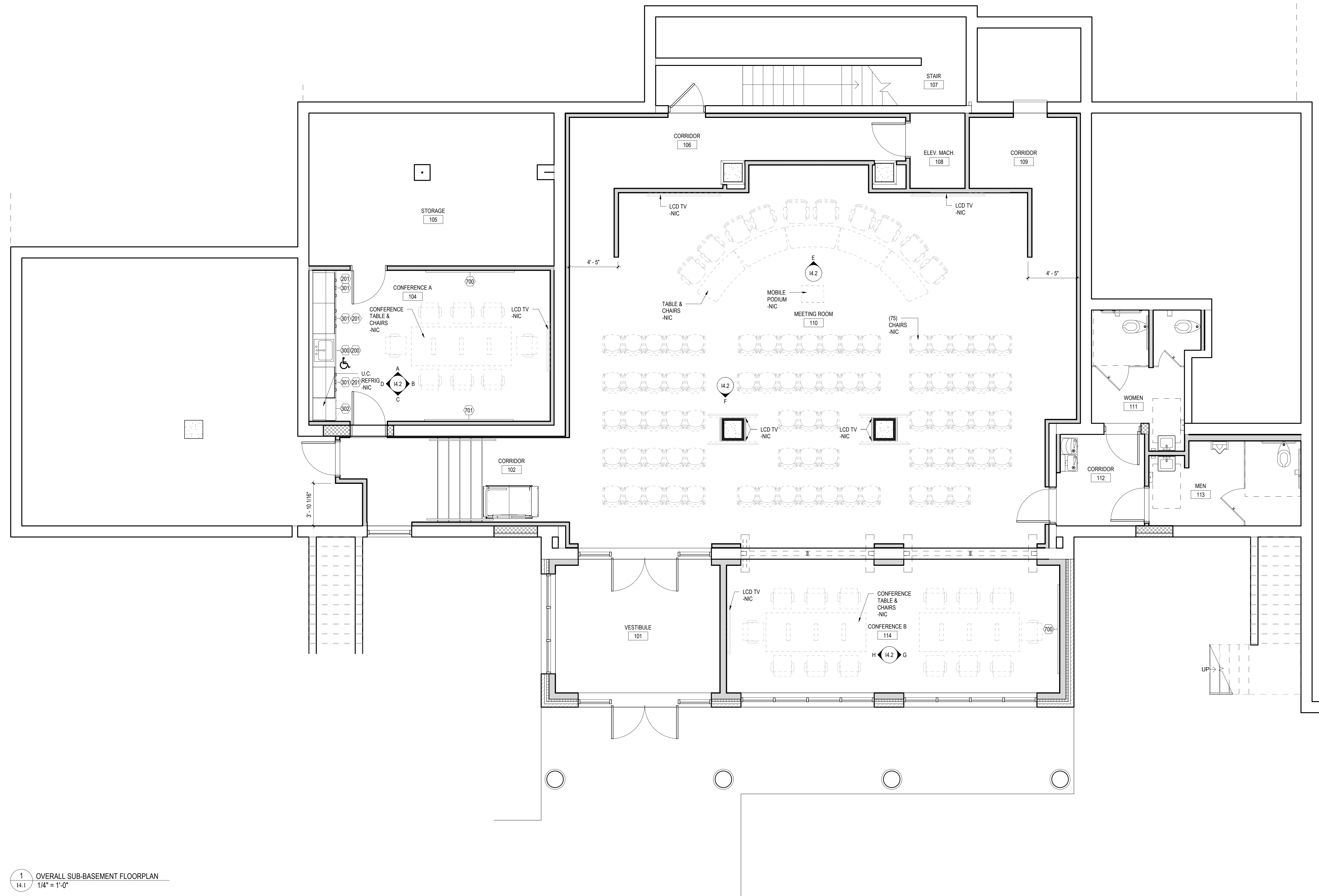
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ALUMINUM WINDOW ELEVATIONS AND STOREFRONT DETAILS
 PLOT SCALE: As indicated
 FILENAME:
 DATE: AUGUST 28, 2020

PROJECT
A6.3



1 OVERALL SUB-BASEMENT FLOORPLAN
1/4" = 1'-0"

MOUNTING HEIGHT SCHEDULE	
MARKER BOARD	3'-0" AFF TO BOTTOM EDGE
TACK BOARD	3'-0" AFF TO BOTTOM EDGE
BASE CABINETS	3'-0" AFF TO TOP OF CABINET
WALL CABINETS	7'-0" AFF TO TOP OF CABINET

CASEWORK & EQUIPMENT SCHEDULE		
NO.	DESCRIPTION	DIMENSIONS
200	ADA VANITY SINK BASE CABINET	36"W x 24"D x 34"H
201	2-DOOR/2-DRAWER BASE CABINET	33"W x 24"D x 34"H
300	2-DOOR WALL CABINET	36"W x 14"D x 18"H
301	2-DOOR WALL CABINET	33"W x 14"D x 30"H
302	1-DOOR WALL CABINET - LEFT HINGED	24"W x 14"D x 30"H
700	MARKERBOARD	8'-0"W x 4'-0"H
701	TACK BOARD	8'-0"W x 4'-0"H

GENERAL NOTES TO APPLY TO ALL I4 DRAWINGS

1. MOUNTING HEIGHT SCHEDULE IS APPLICABLE TO MOST ROOMS. IN INSTANCE WHERE NOTE/DETAILS ON DRAWINGS DO NOT COINCIDE WITH THE SCHEDULE. THE DRAWINGS TAKE PRECEDENCE.
2. ALL BASE CABINETS SHALL RECEIVE A CONTINUOUS 1-1/4" THICK LAMINATE COUNTERTOP WITH A 4" BACKSPASH UNLESS NOTED OTHERWISE. THE DEPTH OF THE COUNTERTOP SHALL EXTEND 3/4" PAST THE DEPTH OF THE BASE CABINET.
3. COUNTERTOPS THAT RETURN INTO A WALL(S) SHALL RECEIVE BACKSPASH THAT WRAPS CORNER ALONG WALL(S).
4. WHERE COLUMNS, WINDOWS OR OTHER BUILDING COMPONENTS CONFLICT WITH CASEWORK DIMENSIONAL REQUIREMENTS. FIELD VERIFY DIMENSIONS AND PROVIDE CUSTOM UNIT TO ALLOW PROPER FITTING.
5. ALL EXPOSED ENDS OF CASEWORK SHALL RECEIVE FINISHES END PANELS.
6. LAMINATE COLOR FOR INTERIOR OF OPEN CABINETS SHALL MATCH EXTERIOR LAMINATE COLOR.
7. STAINLESS STEEL SINKS, FAUCETS, AND BUBBLERS SHALL BE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR.
8. PROVIDE WOOD BLOCKING IN METAL STUD WALLS. PER MANUFACTURER'S RECOMMENDATIONS. TO RECEIVE THE TELEVISION WALL BRACKET.
9. IN ROOMS RECEIVING RESILIENT BASE. ADHERE TO ALL WALLS, BASE CABINET TOE KICKS, AND EXPOSED END PANELS. REFER TO SPECIFICATIONS FOR LOCATION OF 4" AND 6" BASE.
10. SEE REFLECTED CEILING PLANS FOR LOCATION OF WINDOW TREATMENTS.
11. TELEPHONE UNITS AND SYSTEMS ARE NOT IN CONTRACT.
12. COORDINATE ALL LARGE SCALE PLANS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
13. NIC = NOT IN CONTRACT
14. OPP = OPPOSITE HAND.

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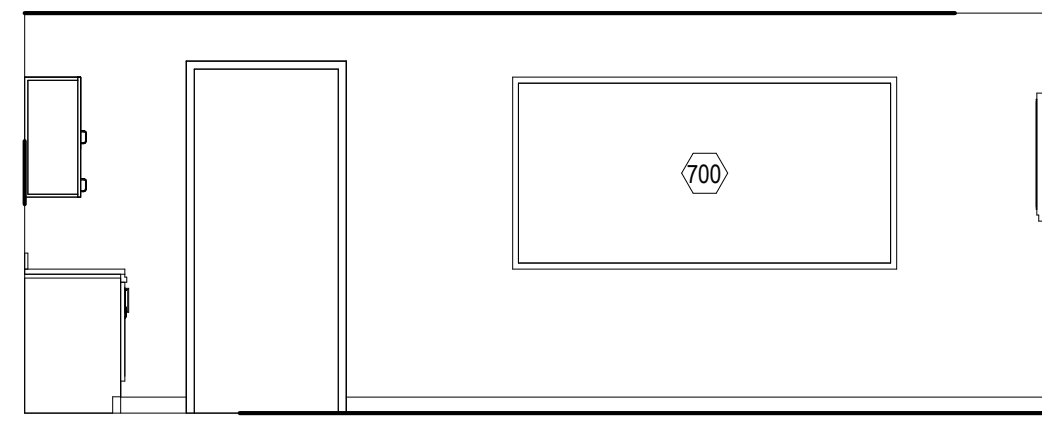
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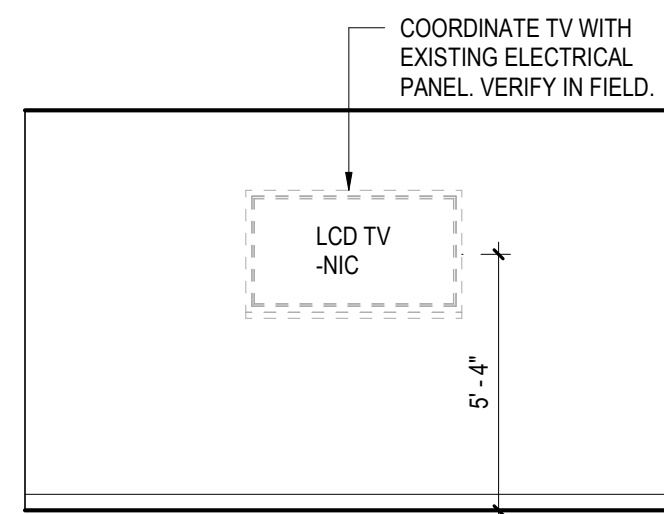


OVERALL SUB-BASEMENT FLOORPLAN
 PLOT SCALE: 1/4" = 1'-0"
 FILENAME:
 DATE: AUGUST 28, 2020

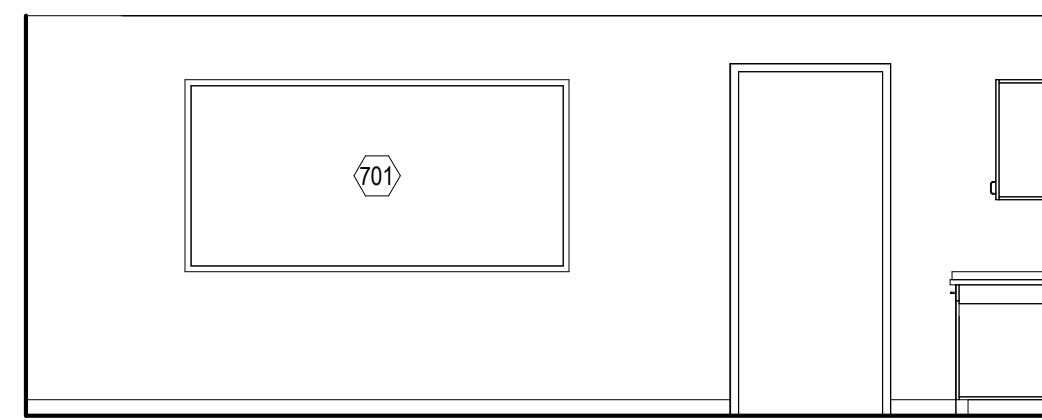
PROJECT
 I4.1



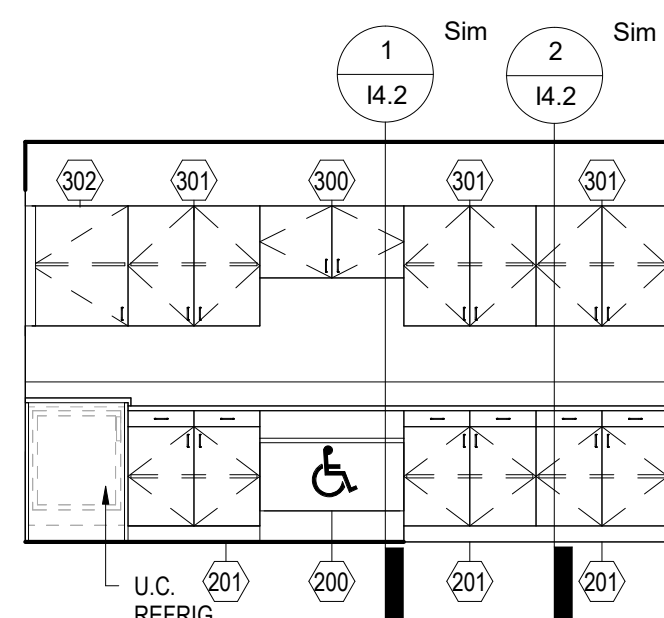
A INTERIOR ELEVATION A
1/4" = 1'-0"



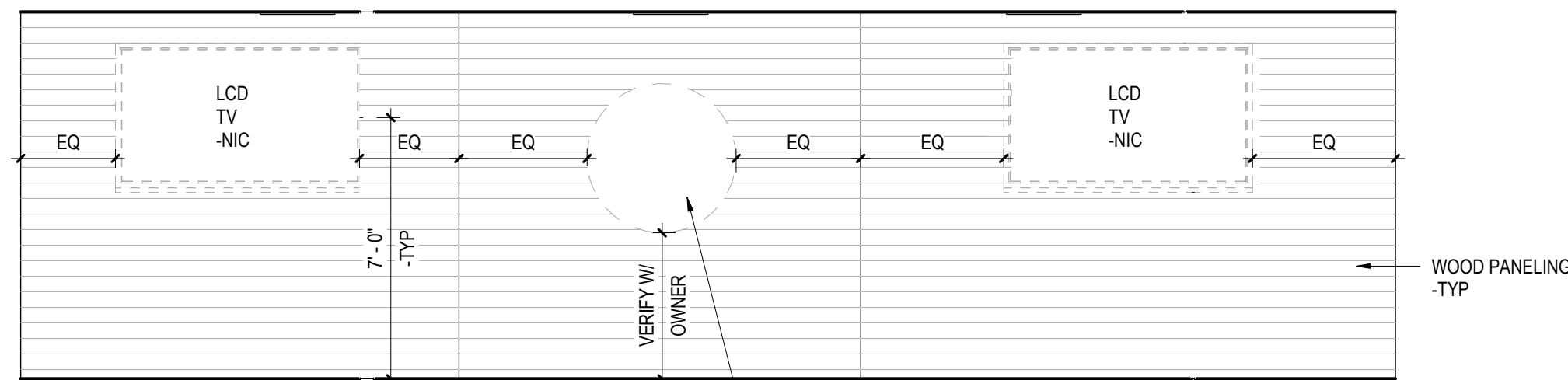
B INTERIOR ELEVATION B
1/4" = 1'-0"



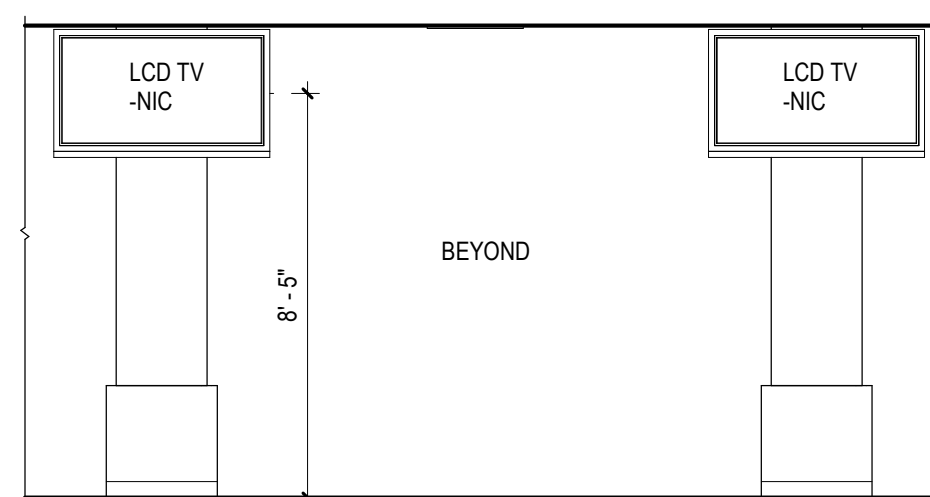
C INTERIOR ELEVATION C
1/4" = 1'-0"



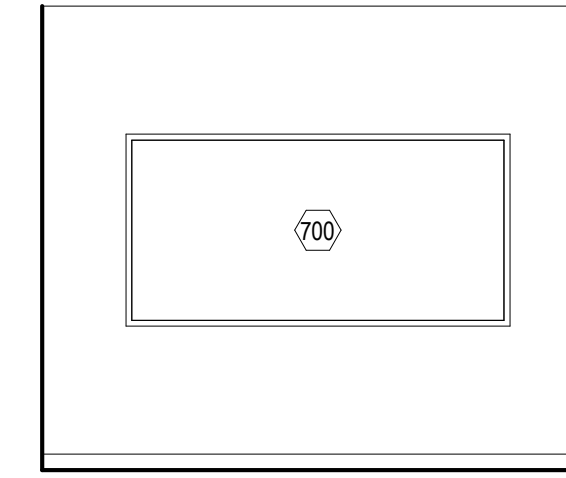
D INTERIOR ELEVATION D
1/4" = 1'-0"



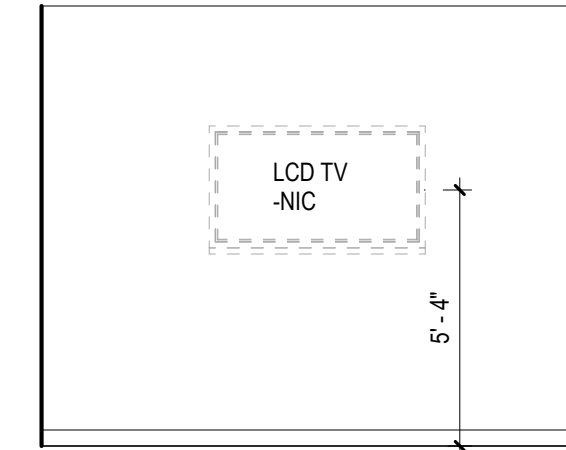
E INTERIOR ELEVATION E
1/4" = 1'-0"



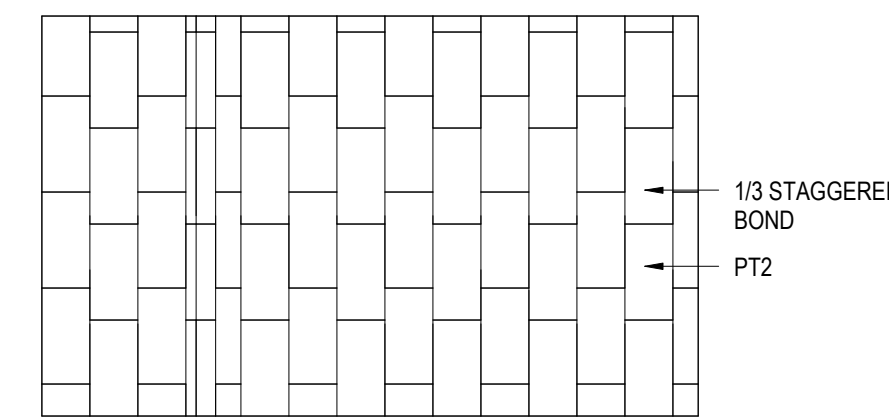
F INTERIOR ELEVATION F
1/4" = 1'-0"



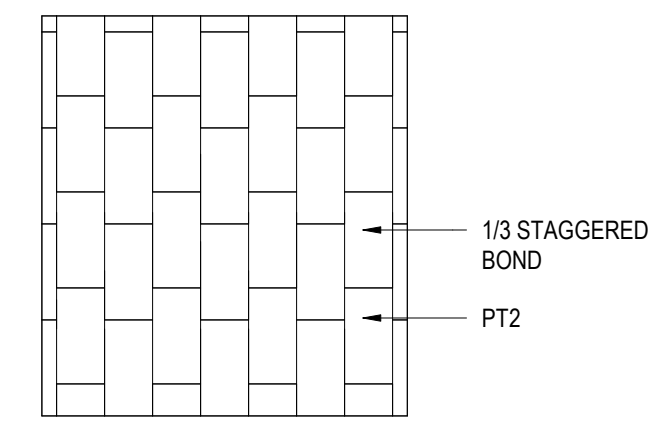
G INTERIOR ELEVATION G
1/4" = 1'-0"



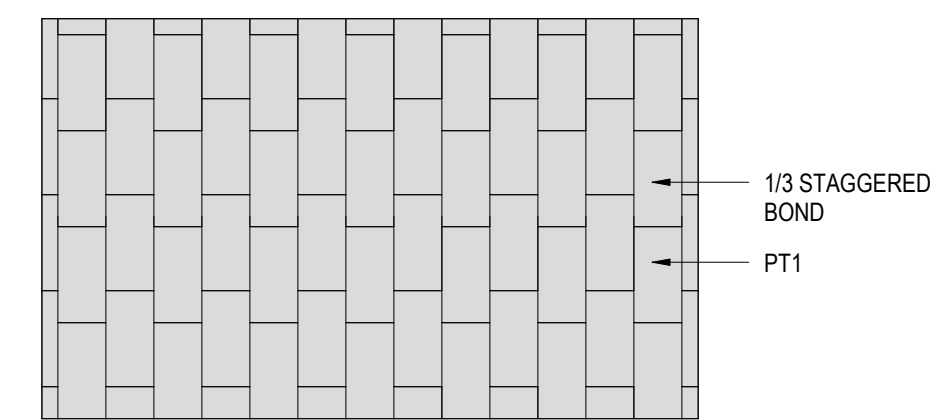
H INTERIOR ELEVATION H
1/4" = 1'-0"



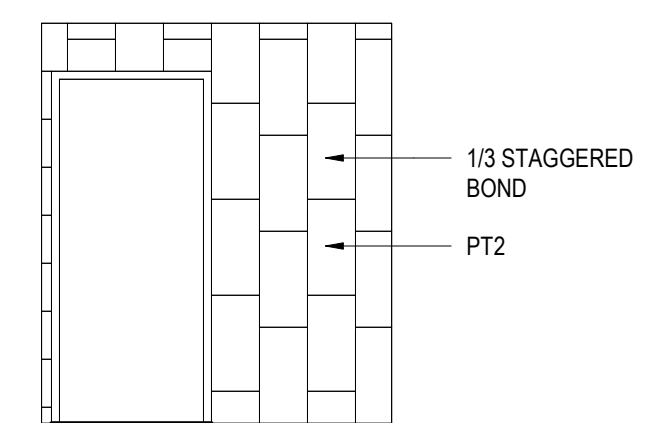
J INTERIOR ELEVATION J
1/4" = 1'-0"



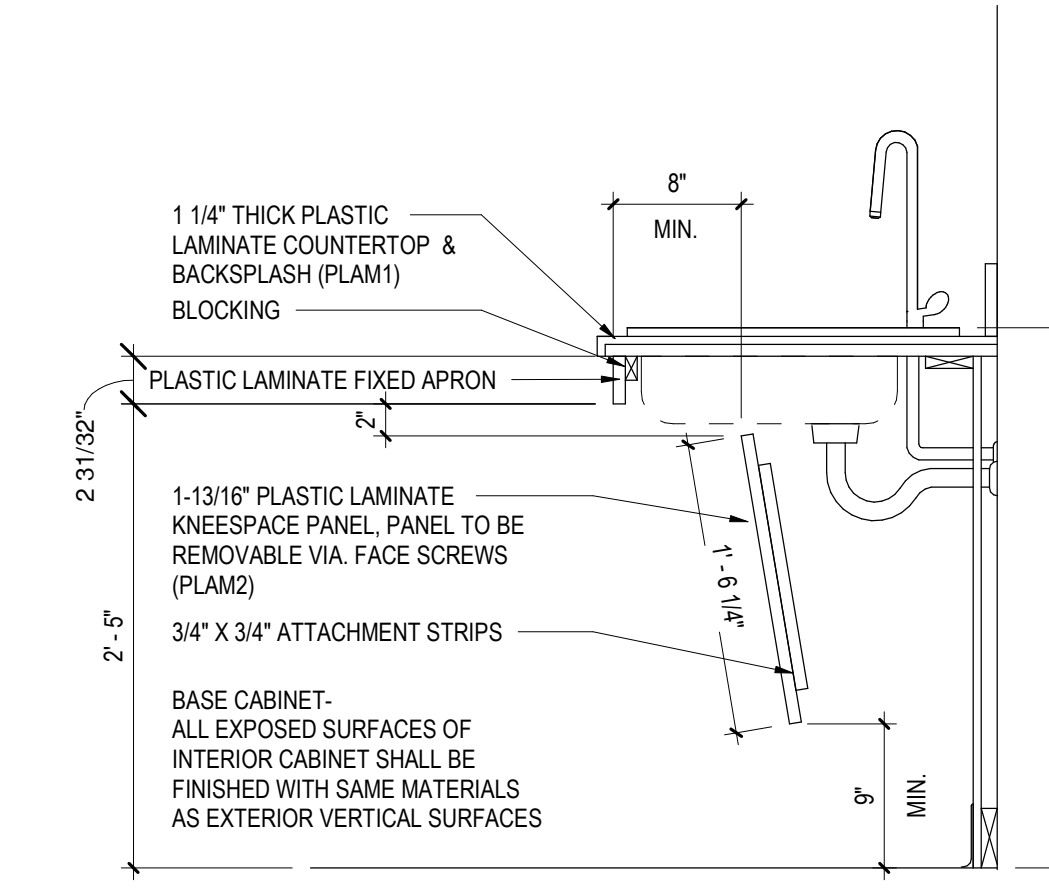
K INTERIOR ELEVATION K
1/4" = 1'-0"



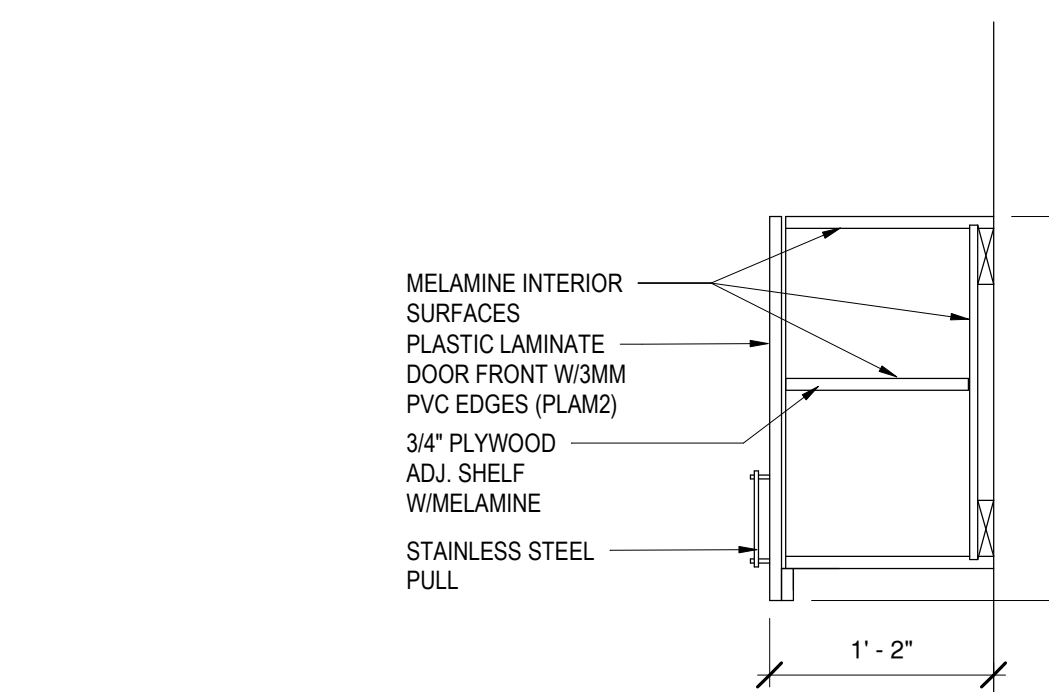
L INTERIOR ELEVATION L
1/4" = 1'-0"



M INTERIOR ELEVATION M
1/4" = 1'-0"



1 ADA VANITY SINK BASE CABINET DETAIL
1" = 1'-0"



2 PLAM BASE & WALL CABINET DETAIL
1" = 1'-0"

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LARGE SCALE LAYOUTS - ELEVATIONS AND DETAILS
 PLOT SCALE: As indicated
 FILENAME:
 DATE: AUGUST 28, 2020

PROJECT
14.2

MOUNTING HEIGHT SCHEDULE	
MARKER BOARD	3'-0" AFF TO BOTTOM EDGE
TACK BOARD	3'-0" AFF TO BOTTOM EDGE
BASE CABINETS	3'-0" AFF TO TOP OF CABINET
WALL CABINETS	7'-0" AFF TO TOP OF CABINET

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1 OVERALL SUB-BASEMENT FLOOR FINISH PLAN
17.1 1/4" = 1'-0"

GENERAL NOTE IN REFERENCE TO ALL FINISH PLAN DRAWINGS
1. DRAWINGS ARE FOR CLARIFICATION OF MATERIAL LOCATIONS. REFER TO ROOM FINISH SCHEDULE, INTERIOR AND ARCHITECTURAL ELEVATIONS/PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. PROVIDE FLOOR DRAIN EXTENSION FOR FLUSH TRANSITION OF TILE AND DRAIN COVER. DO NOT SLOPE.

FINISH PLAN LEGEND	
	= TILE
	= ACCENT PAINT
	= WOOD PANELING

FLOOR PATTERN LEGEND	
	= FIELD: CPT1
	= ACCENT A: CPT2
TRANSITION SCHEDULE AS INDICATED ON I7 DRAWINGS	
CPT TO CONC	JOHNSONITE NO. CTA-XX-P
CPT TO PT	SCHLUTER
CPT TO VCT	JOHNSONITE NO. CTA-XX-H
SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.	

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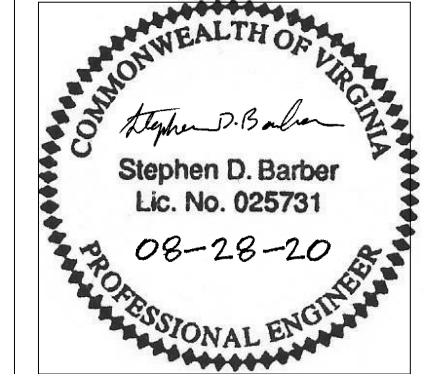


OVERALL FINISH & FLOOR PATTERN PLANS
 PLOT SCALE: 1/4" = 1'-0"
 FILENAME:
 DATE: AUGUST 28, 2020

PROJECT
I7.1

DUNBAR MILBY WILLIAMS
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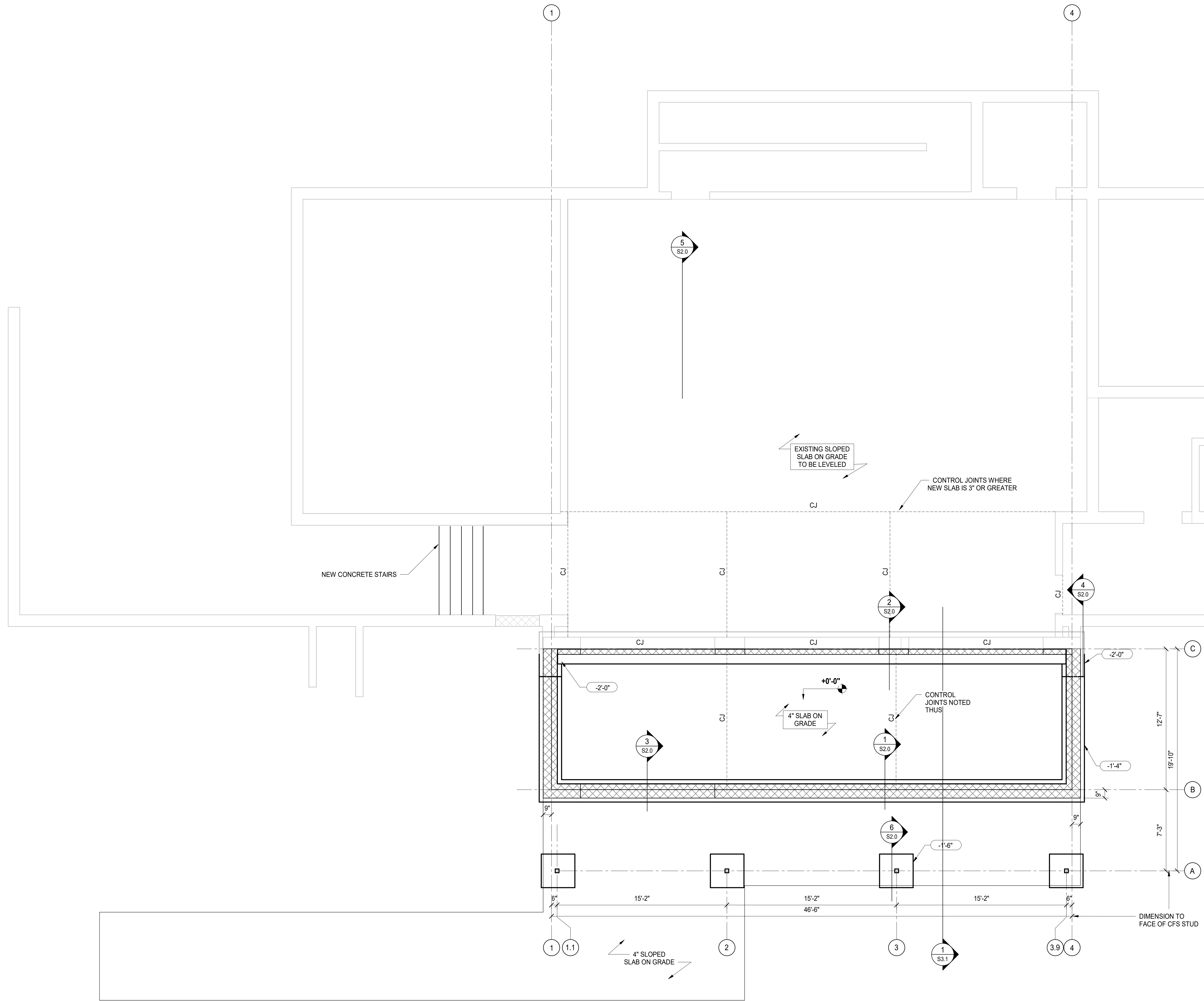
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FOUNDATION PLAN

1/4" = 1'-0"

- TYPICAL SLAB-ON-GRADE SHALL BE 4" NORMAL WEIGHT CONCRETE WITH 6X6-W14XW1.4 WWF AT MID-DEPTH, OVER VAPOR BARRIER/RETARDER (REF ARCH DWGS), OVER 4" POROUS FILL.
- REFER TO DRAWING S201 FOR TYPICAL FOUNDATION DETAILS.
- TOP OF FOOTING ELEVATIONS INDICATED THUS (X'-XX") RELATIVE TO NEW SUB-BASEMENT FLOOR LEVEL.
- TOP OF SLAB ELEVATION INDICATED THUS (X'-XX") RELATIVE TO NEW SUB-BASEMENT FLOOR LEVEL.
- FOOTING EXCAVATIONS MAY REQUIRE ADDITIONAL UNDERCUT (AS INDICATED BY THE OWNER'S ON-SITE GEOTECHNICAL ENGINEER). BACKFILL EXCAVATION TO DESIGN SUBGRADE USING FLOWABLE FILL OR CONCRETE.
- GROUT ALL CMU SOLID BELOW GRADE.

FOUNDATION PLAN

PLOT SCALE:
As indicated

FILENAME:

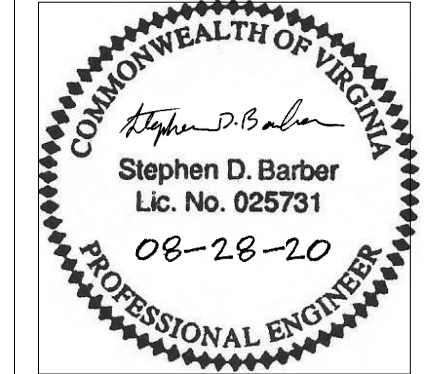
DATE:
8/28/2020

PROJECT

S1.0

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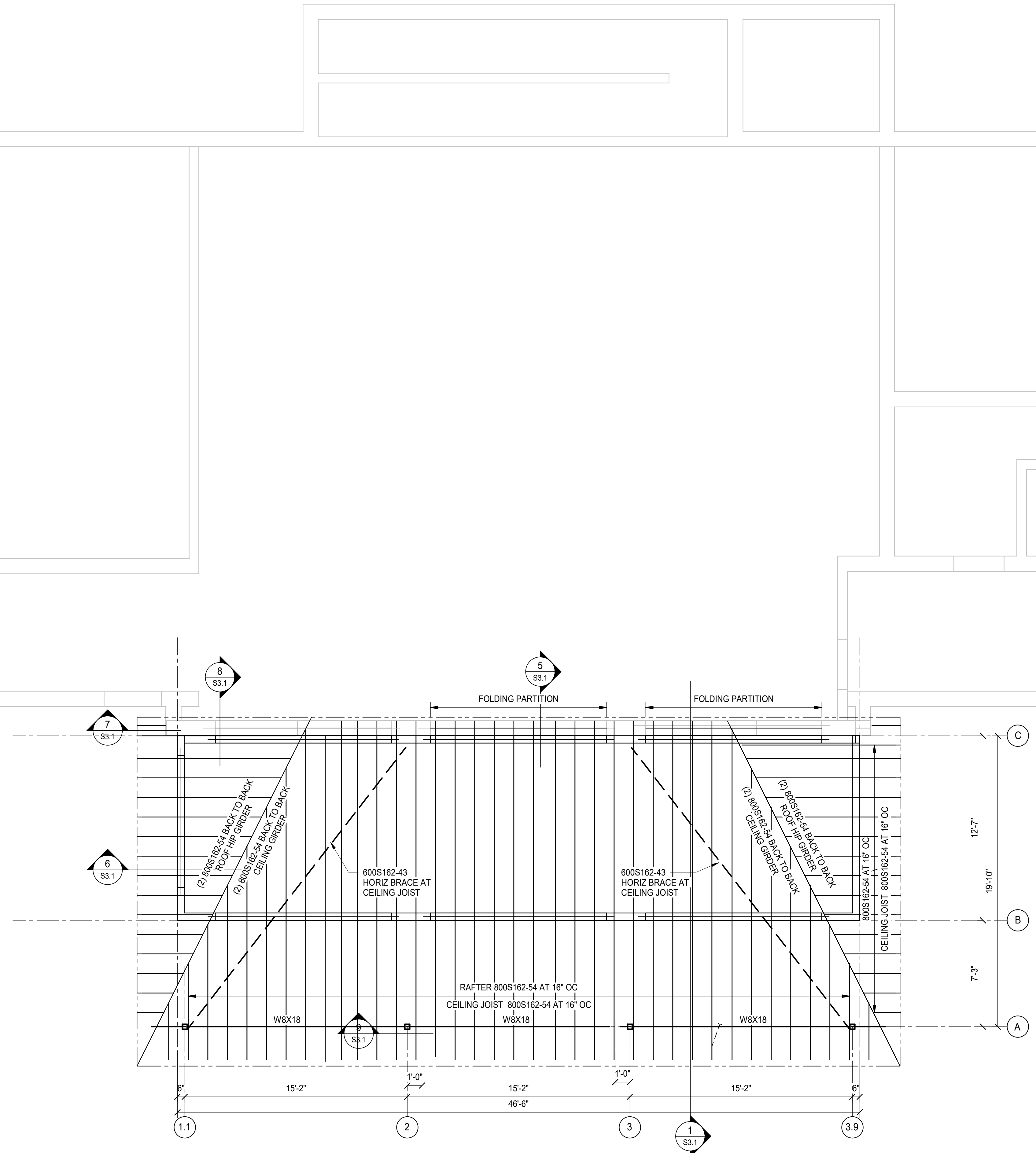
NO.	DATE	BY	DESCRIPTION OF CHANGES

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ROOF FRAMING PLAN

1/4" = 1'-0"

- TYPICAL EXTERIOR WALLS TO BE S800X162-43 STUDS AT 16" OC.
- PROVIDE 19/32" APA RATED ROOF SHEATHING (OSB OR PLYWOOD), ATTACH TO LGST WITH HILTI SCREWS (S-WW 10-24X17/16 PWH #3 WINGS) AT THE FOLLOWING PATTERN UNO:
 - SUPPORTED PANEL EDGES AT 6" OC
 - INTERMEDIATE SUPPORTS AT 12" OC
- LAY PANELS PERPENDICULAR TO TRUSS FRAMING MEMBERS AND STAGGER JOINTS 48".
- REFER TO ARCHITECTURAL DRAWINGS AND MECHANICAL DRAWINGS FOR DIMENSIONS FOR MECHANICAL AND OTHER PENETRATIONS THROUGH ROOF AND/OR CEILING.
- SPACE JOISTS OR BEAMS EQUALLY BETWEEN COLUMNS UNLESS NOTED OTHERWISE.

ROOF FRAMING PLAN

PLOT SCALE:
As indicated

FILENAME:

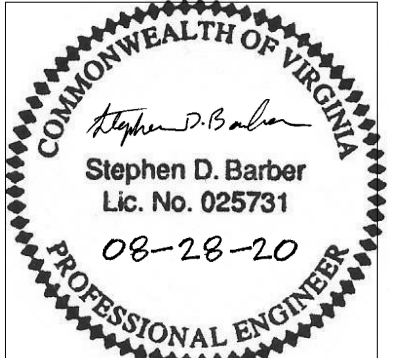
DATE:
8/28/2020

PROJECT

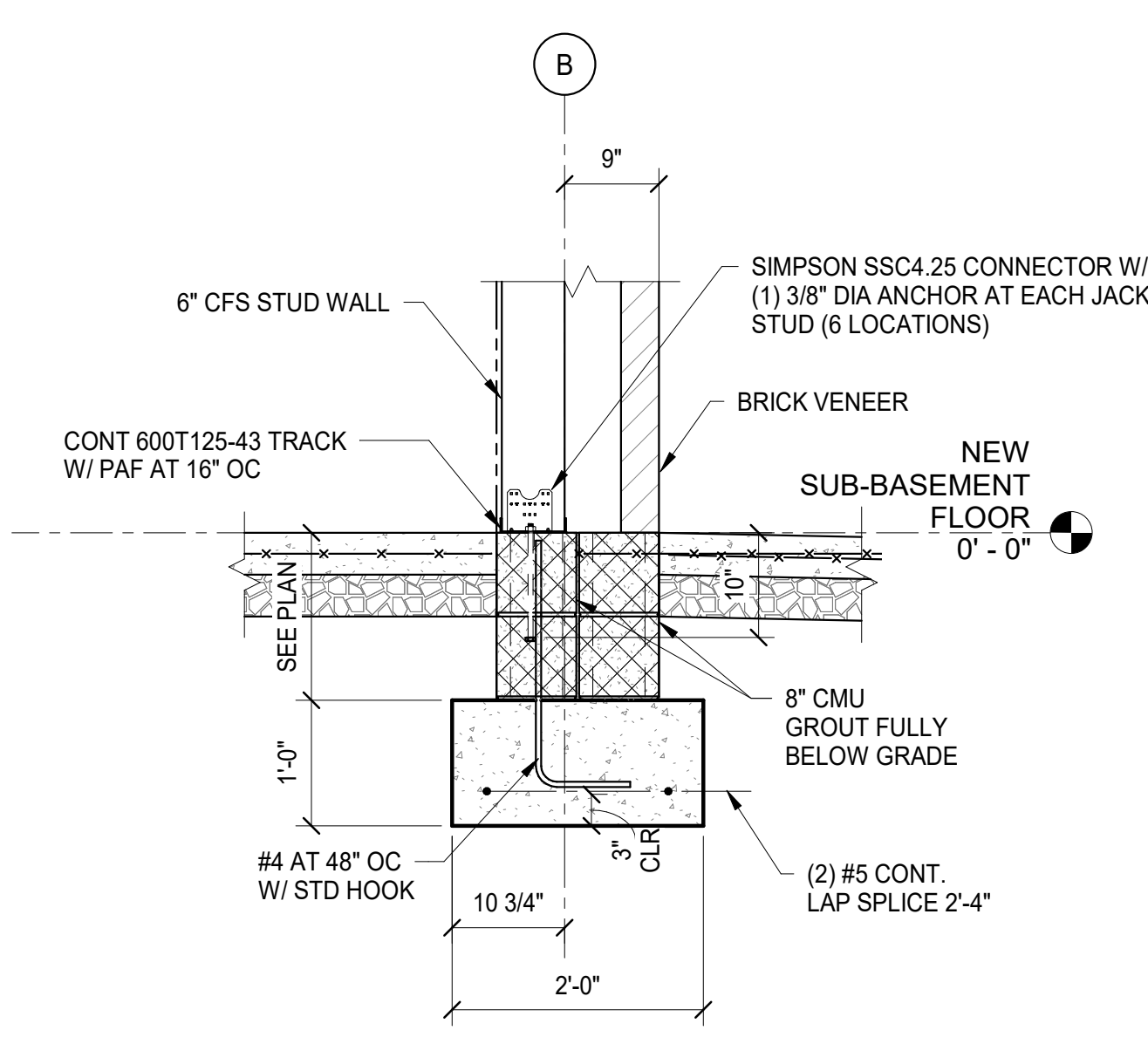
S1.1

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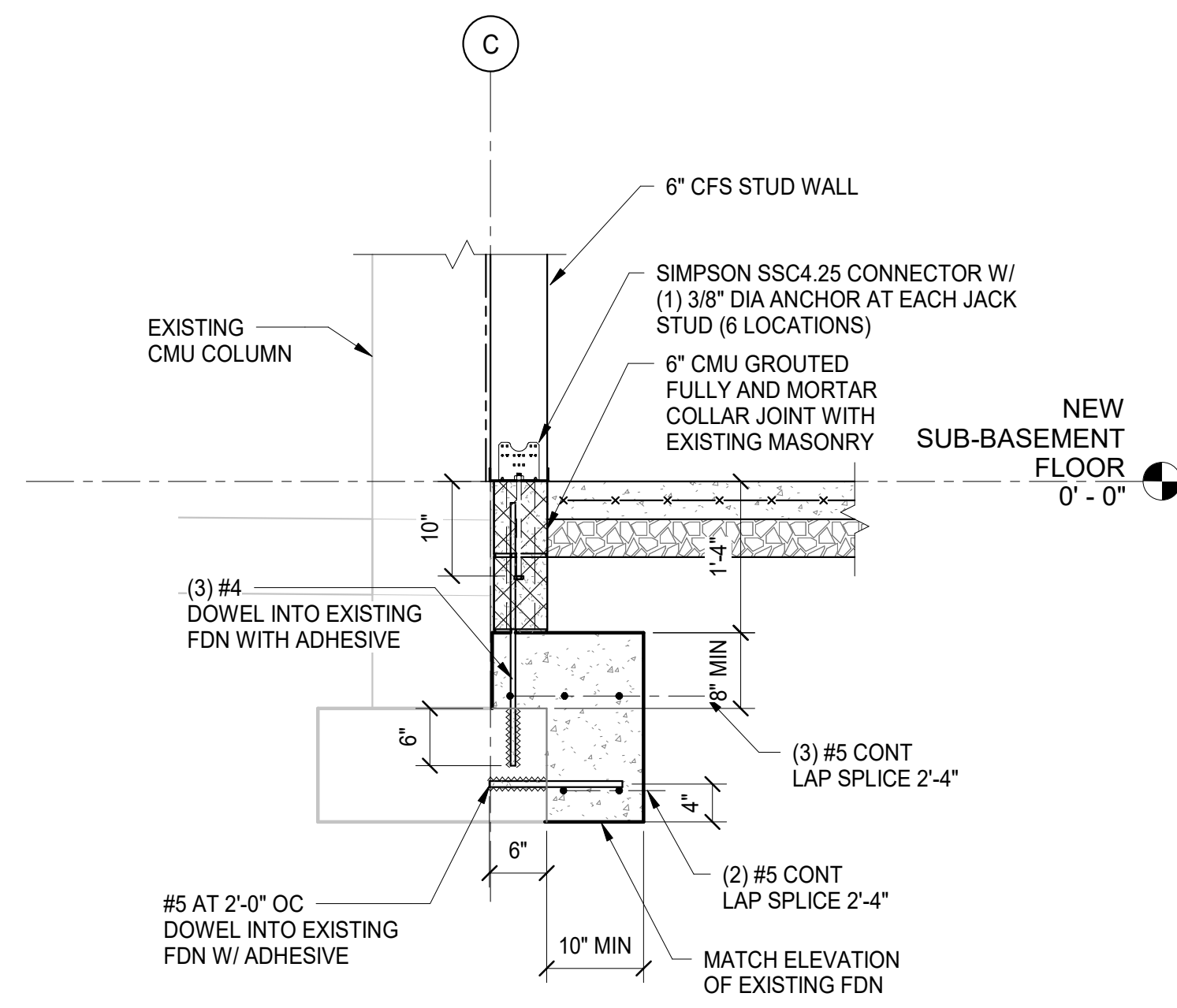


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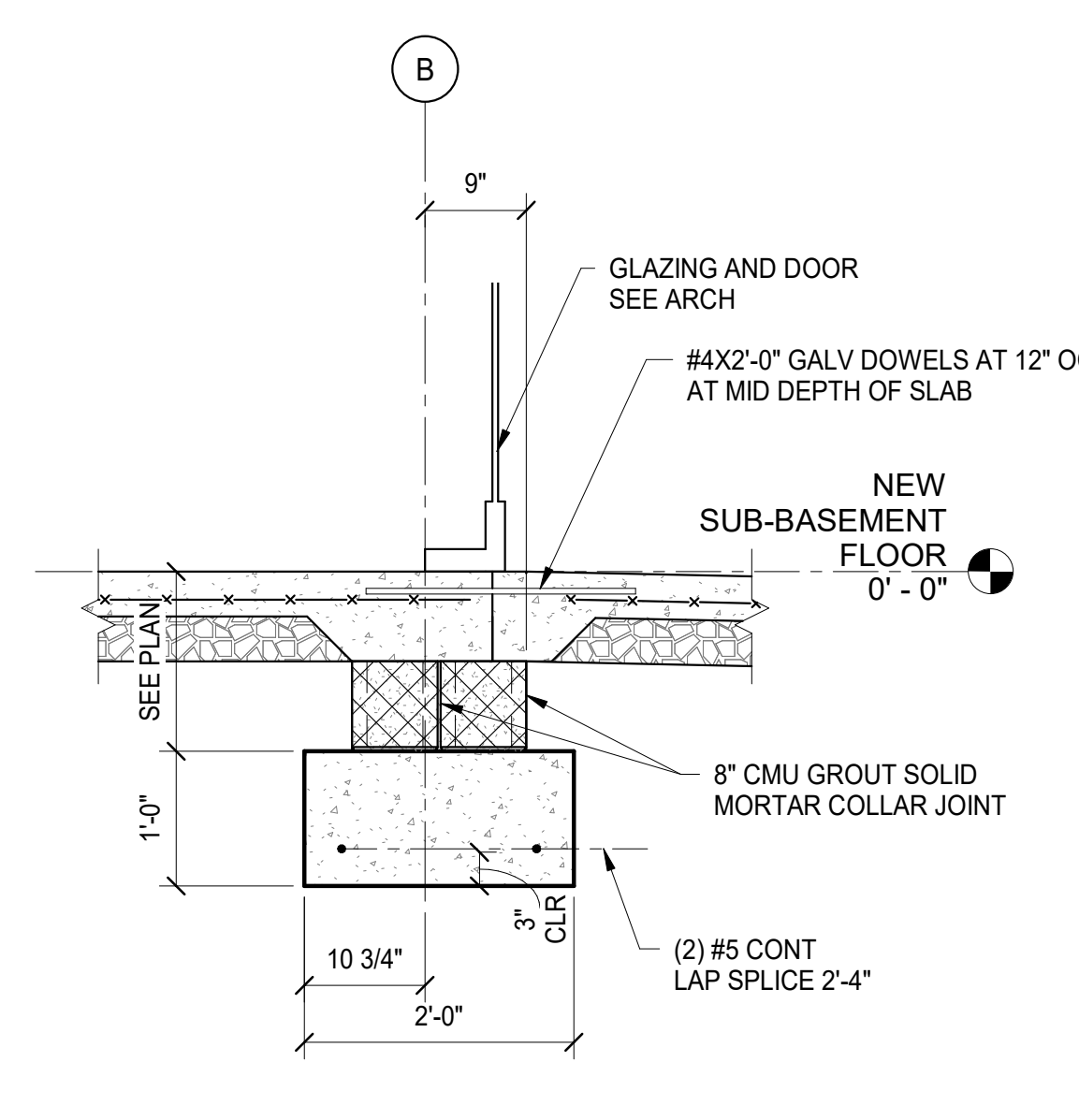
TYPICAL CFS WALL FOUNDATION

SECTION 1
3/4" = 1'-0"



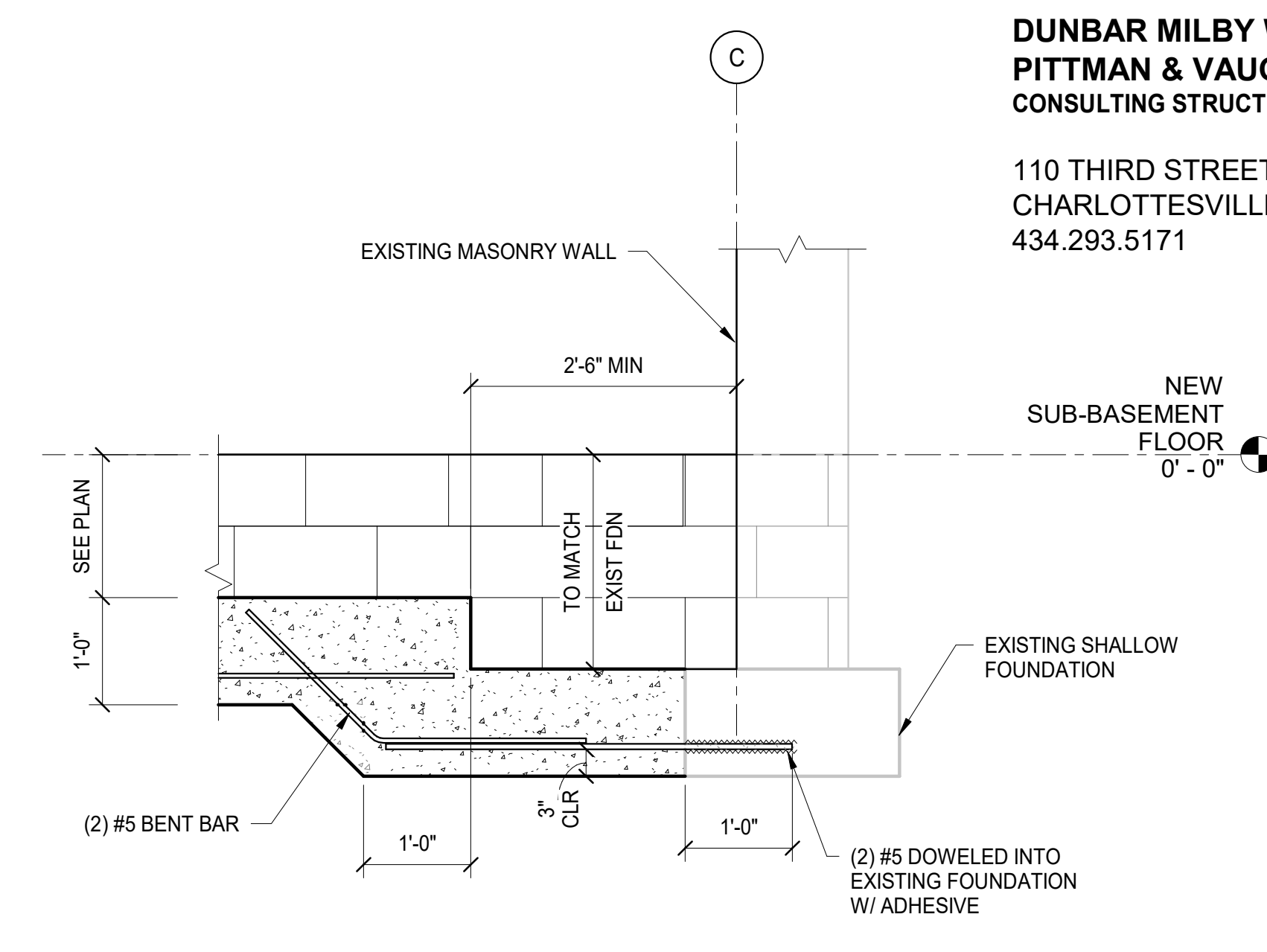
TYPICAL CFS WALL AT EXISTING WALL

SECTION 2
3/4" = 1'-0"



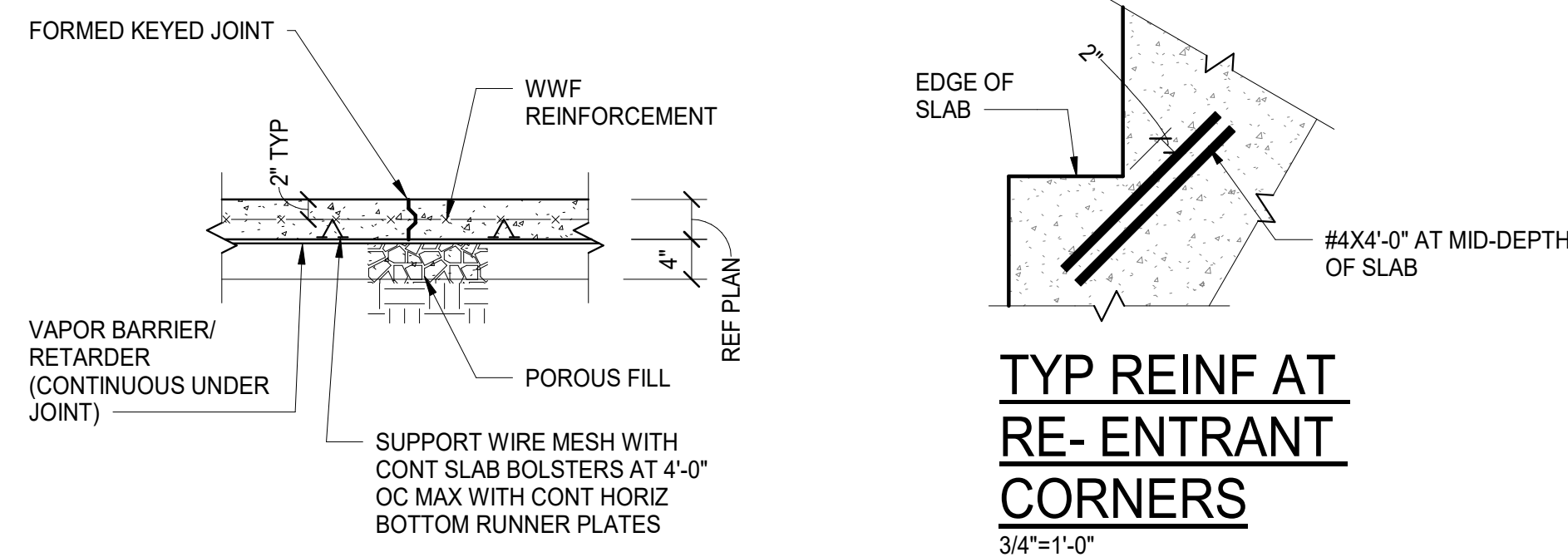
FOUNDATION AT CURTAIN WALL/DOOR

SECTION 3
3/4" = 1'-0"



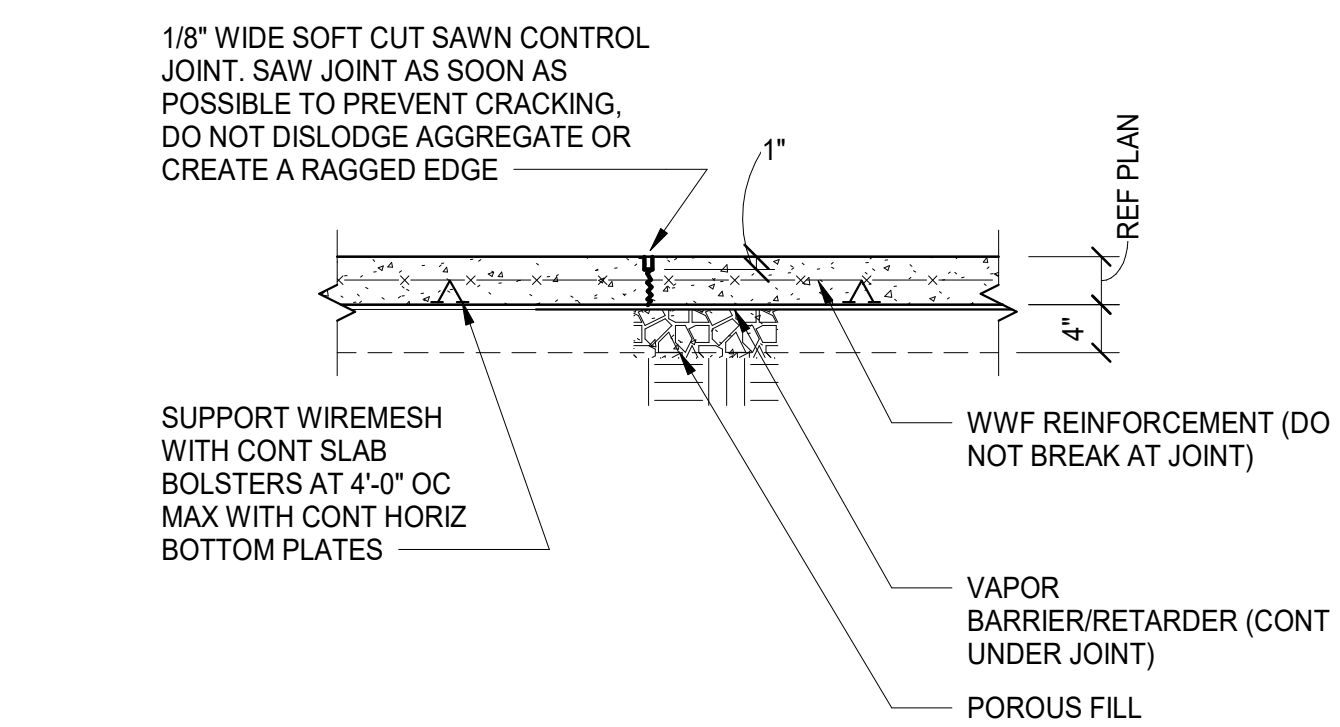
WALL FOUNDATION AT EXISTING WALL

SECTION 4
3/4" = 1'-0"

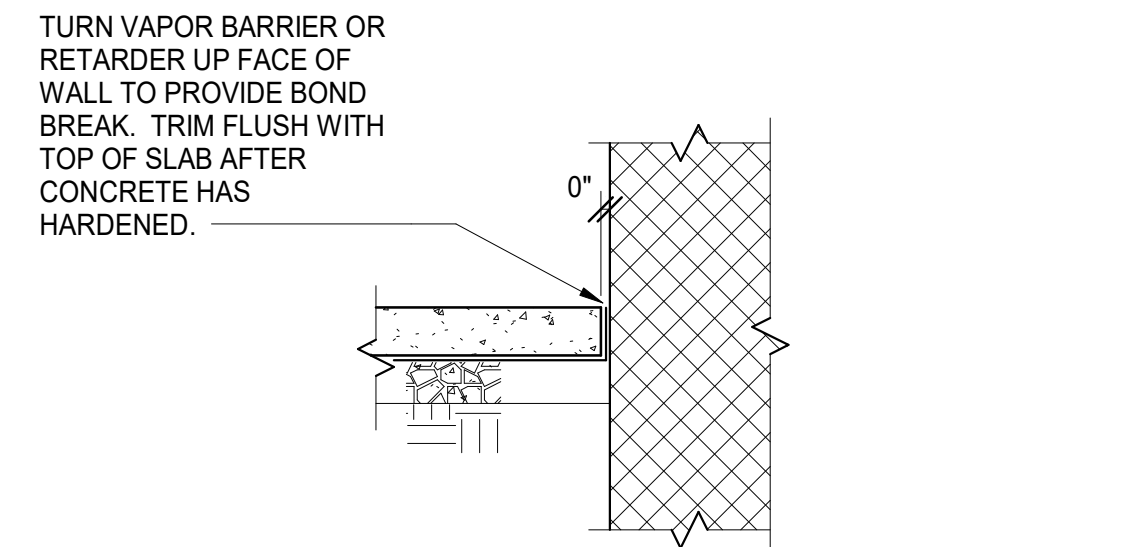


TYPICAL SLAB-ON-GRADE CONSTRUCTION JOINT DETAIL
3/4"=1'-0"

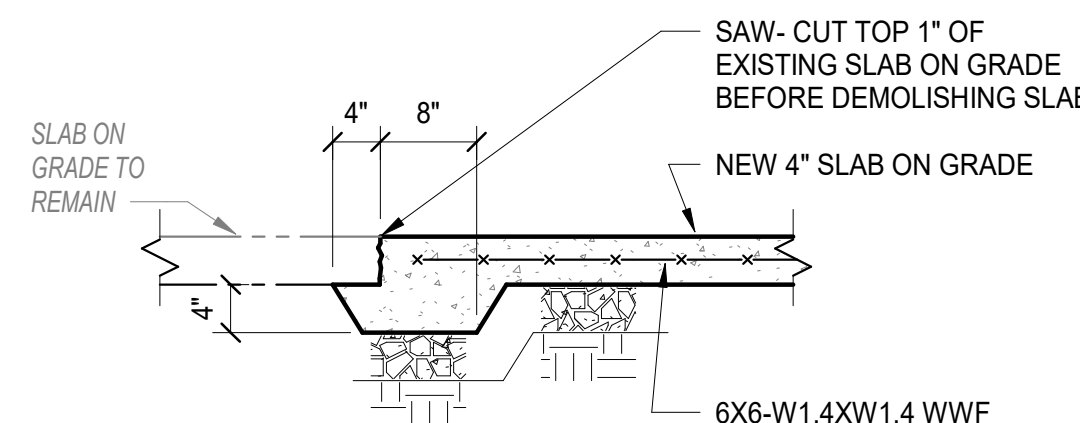
NOTE:
AT CONTRACTOR'S OPTION, 1.5 POUNDS PER CUBIC YARD POLYPROPYLENE MICRO FIBER REINF MAY BE SUBSTITUTED FOR 6X6-W1.4XW1.4 WWF IN 4\"/>



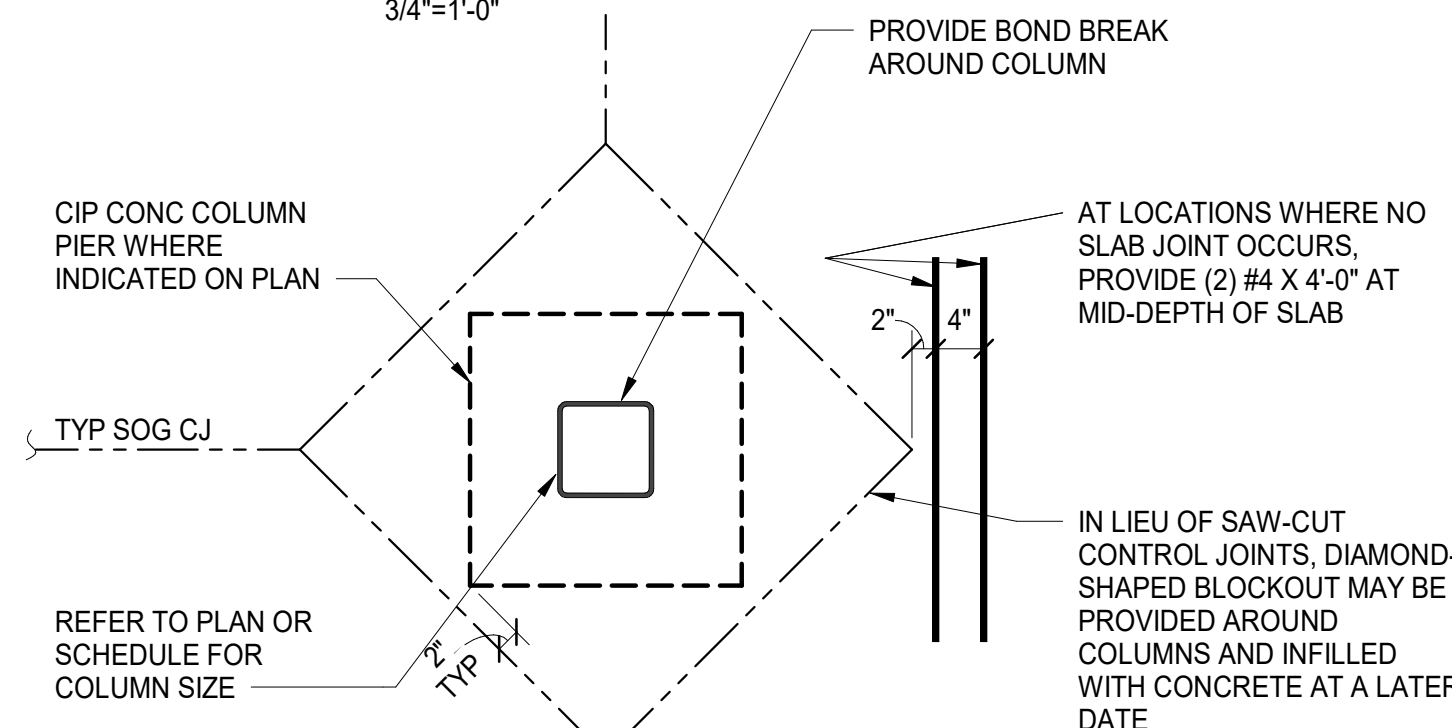
TYPICAL SLAB-ON-GRADE AND CONTROL JOINT DETAIL
3/4"=1'-0"



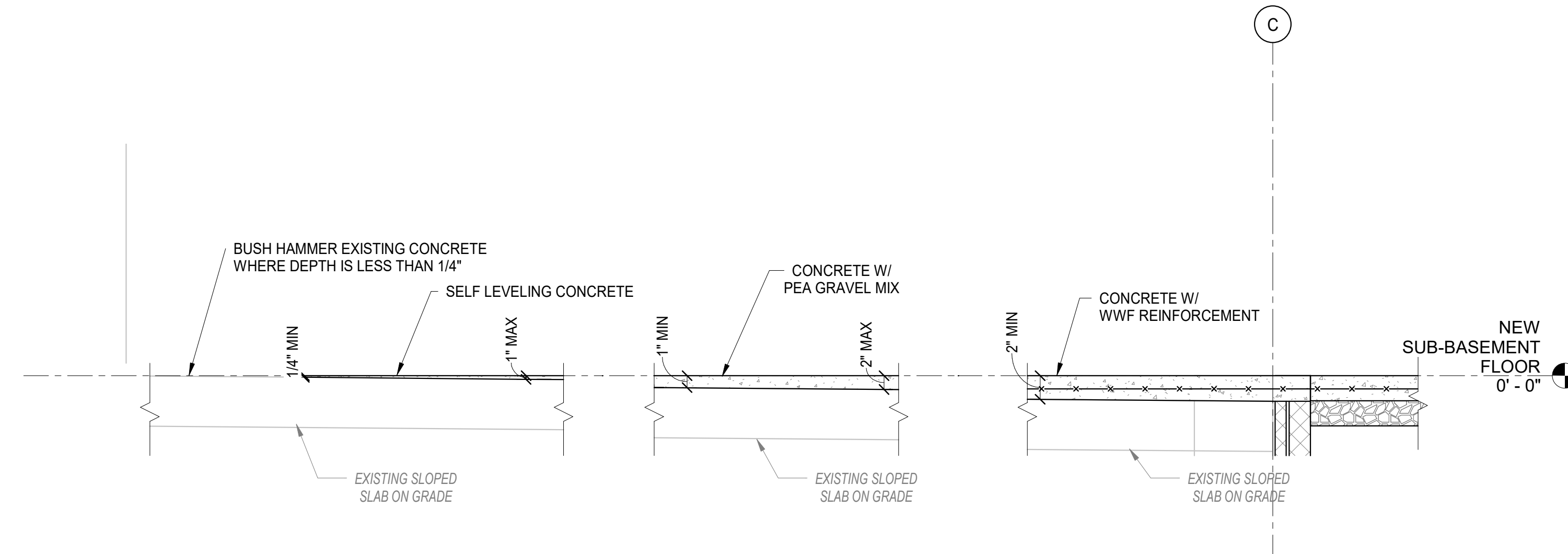
TYPICAL BOND BREAK AT SLAB-ON-GRADE
3/4"=1'-0"



TYPICAL SLAB-ON-GRADE REPAIR DETAIL
3/4"=1'-0"



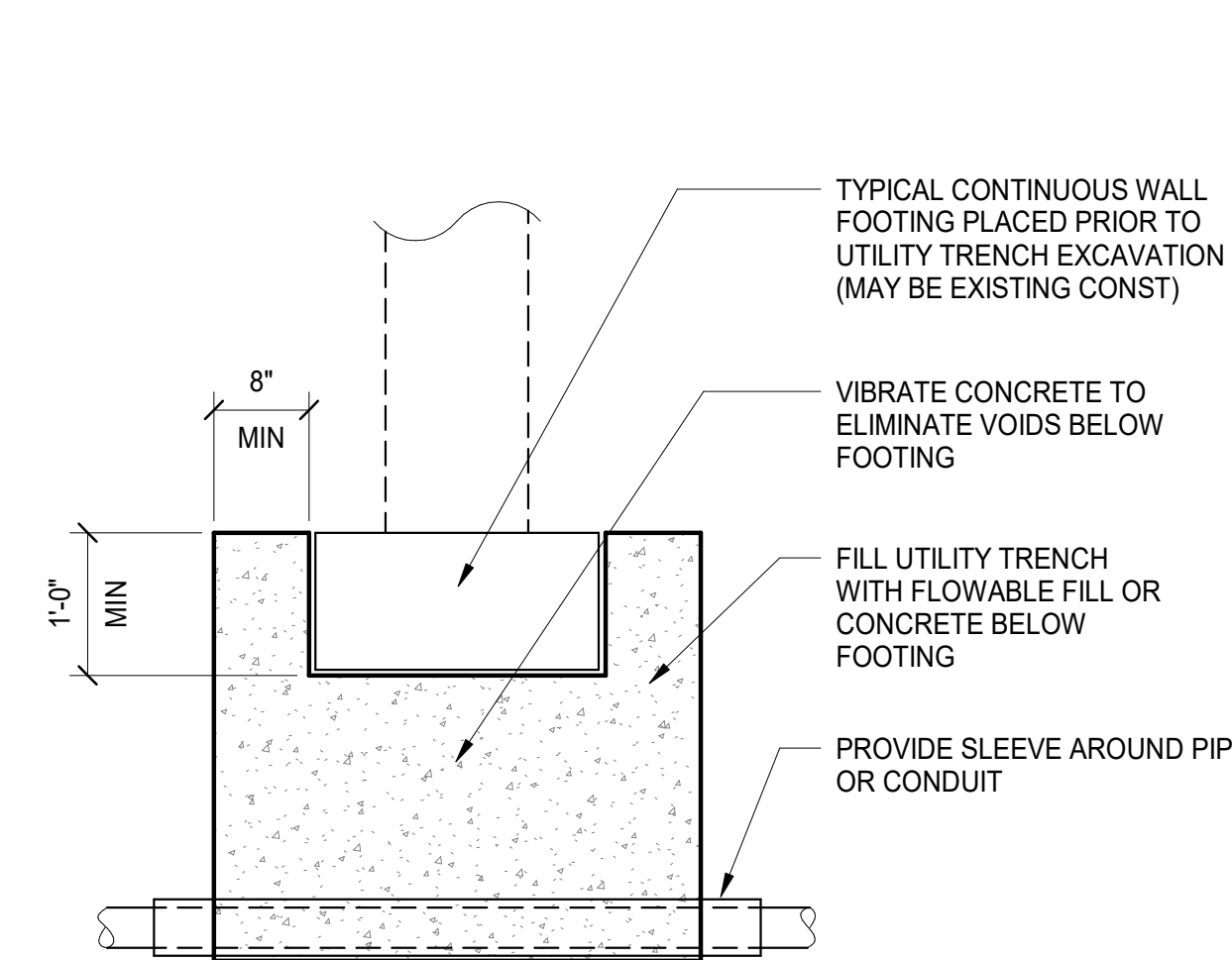
TYPICAL DIAMOND SLAB JOINT AT COLUMNS
NO SCALE



EXISTING SLOPED SLAB ON GRADE

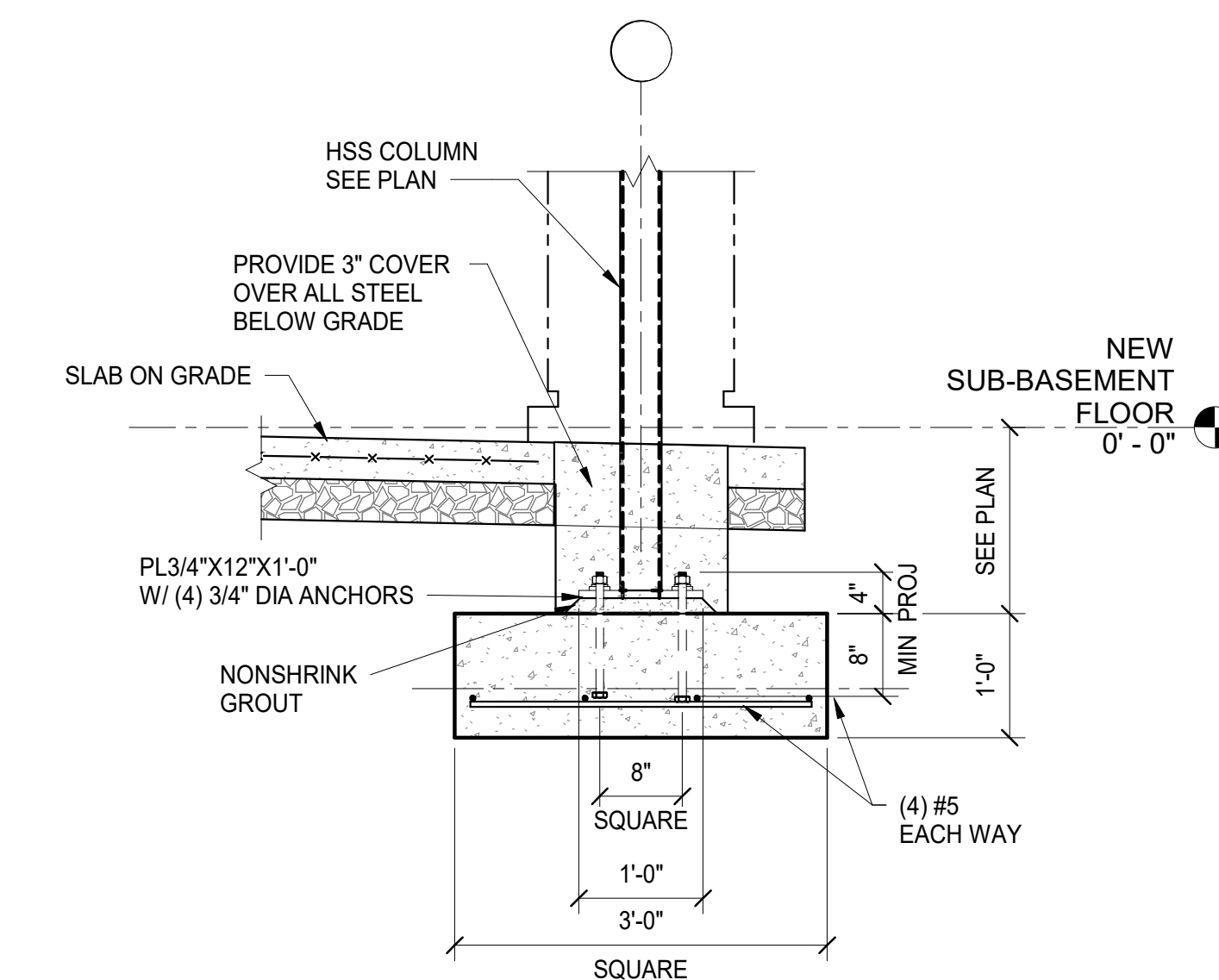
NOTE: TREAT EXISTING SLAB ON GRADE WITH A BONDING AGENT PRIOR TO CONCRETE PLACEMENT

SECTION 5
3/4" = 1'-0"



NOTE:
THIS ONLY APPLIES AT LOCATIONS WHERE A NARROW UTILITY TRENCH IS EXCAVATED PERPENDICULAR TO A CONTINUOUS WALL FOOTING.

TYPICAL DETAIL AT UNDERMINED FOOTING
3/4"=1'-0"



TYPICAL COLUMN FOUNDATION

SECTION 6
3/4" = 1'-0"

REVISIONS

NO	MM-DD-YY	NAME	DESCRIPTION OF CHANGES

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TOWSON, MARYLAND
WHITE SULPHUR SPRINGS, WEST VIRGINIA

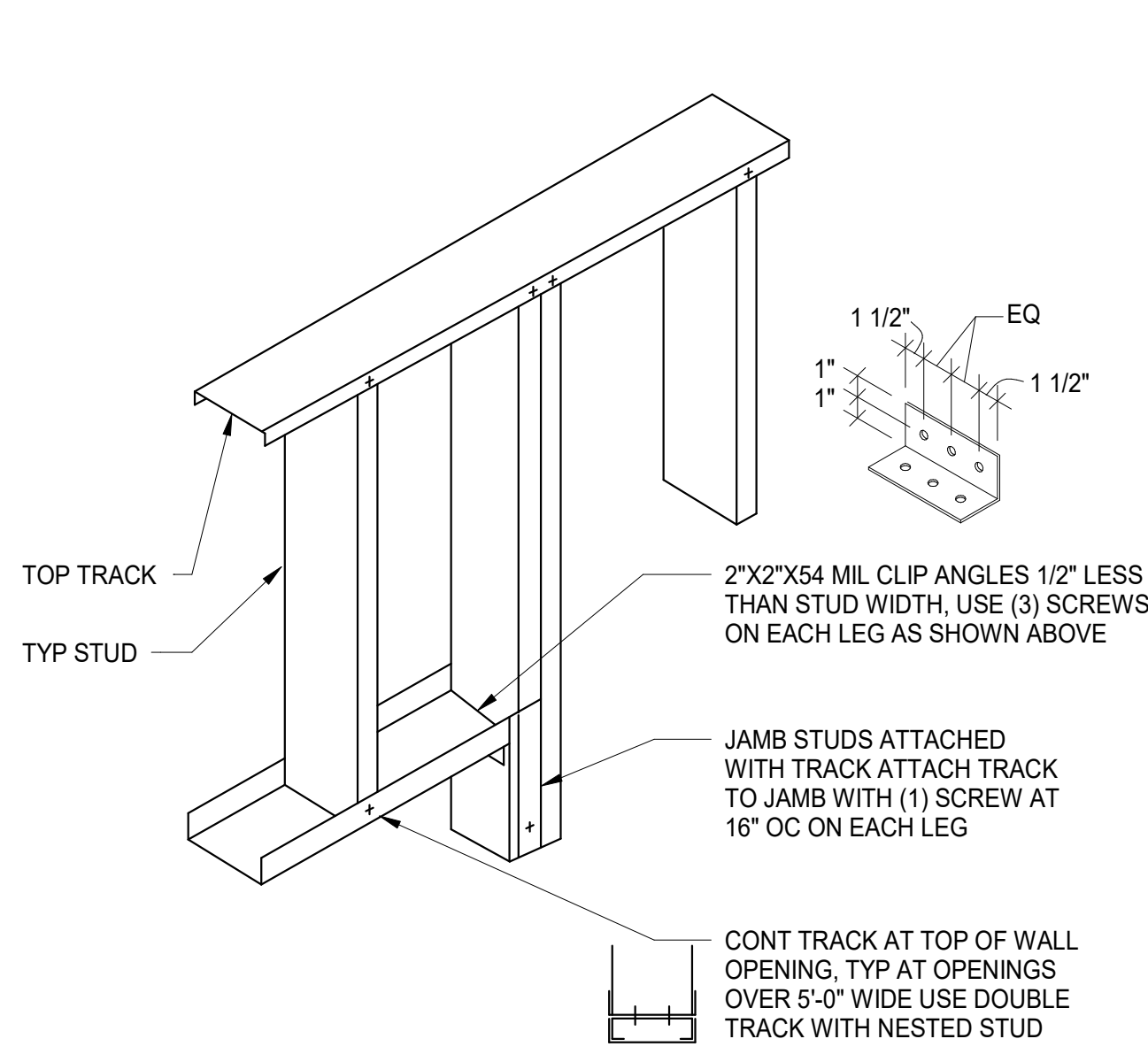
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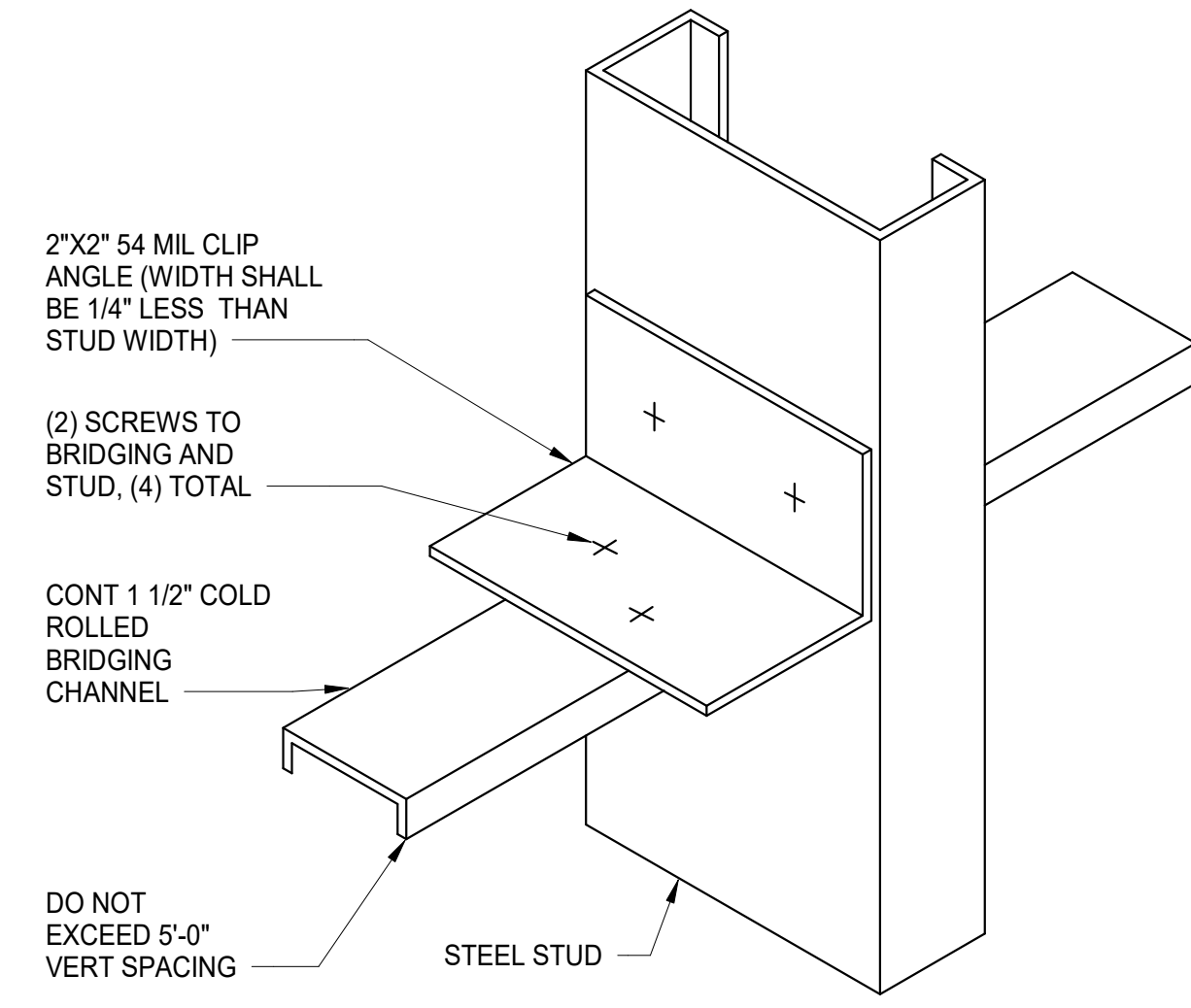
FOUNDATION DETAILS
PLOT SCALE: 3/4" = 1'-0"
FILENAME:
DATE: 8/28/2020

PROJECT
S2.0



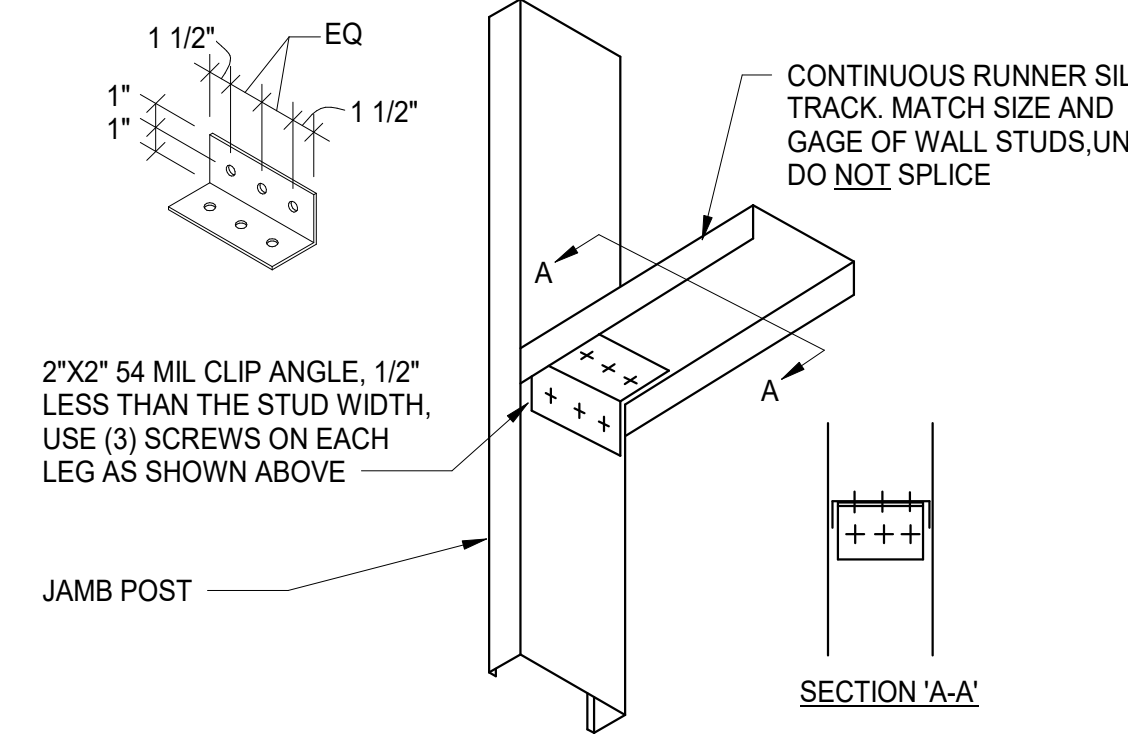
TYPICAL HEAD CONNECTION

NON-LOAD BEARING EXTERIOR STEEL STUD WALL



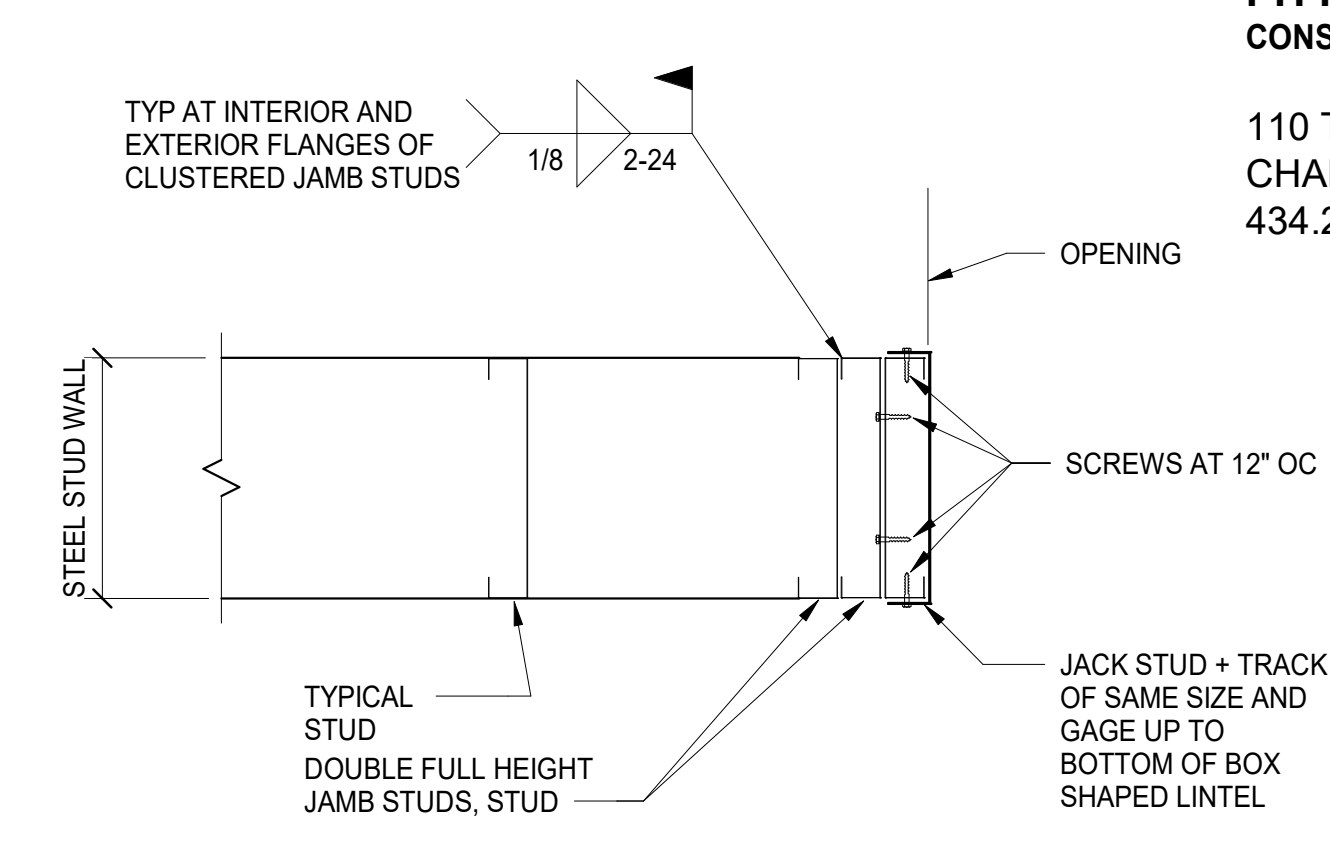
TYPICAL STEEL STUD WALL BRIDGING DETAIL (STUDS 6" DEEP OR LESS)

- NO SCALE
- NOTES:
1. APPLIES AT ALL EXTERIOR STEEL STUD WALLS.
 2. APPLIES AT INTERIOR STEEL STUD BEARING WALLS.
 3. APPLIES AT ALL INTERIOR STUD PARTITION WALLS THAT DO NOT HAVE SHEATHING ON EACH FACES.



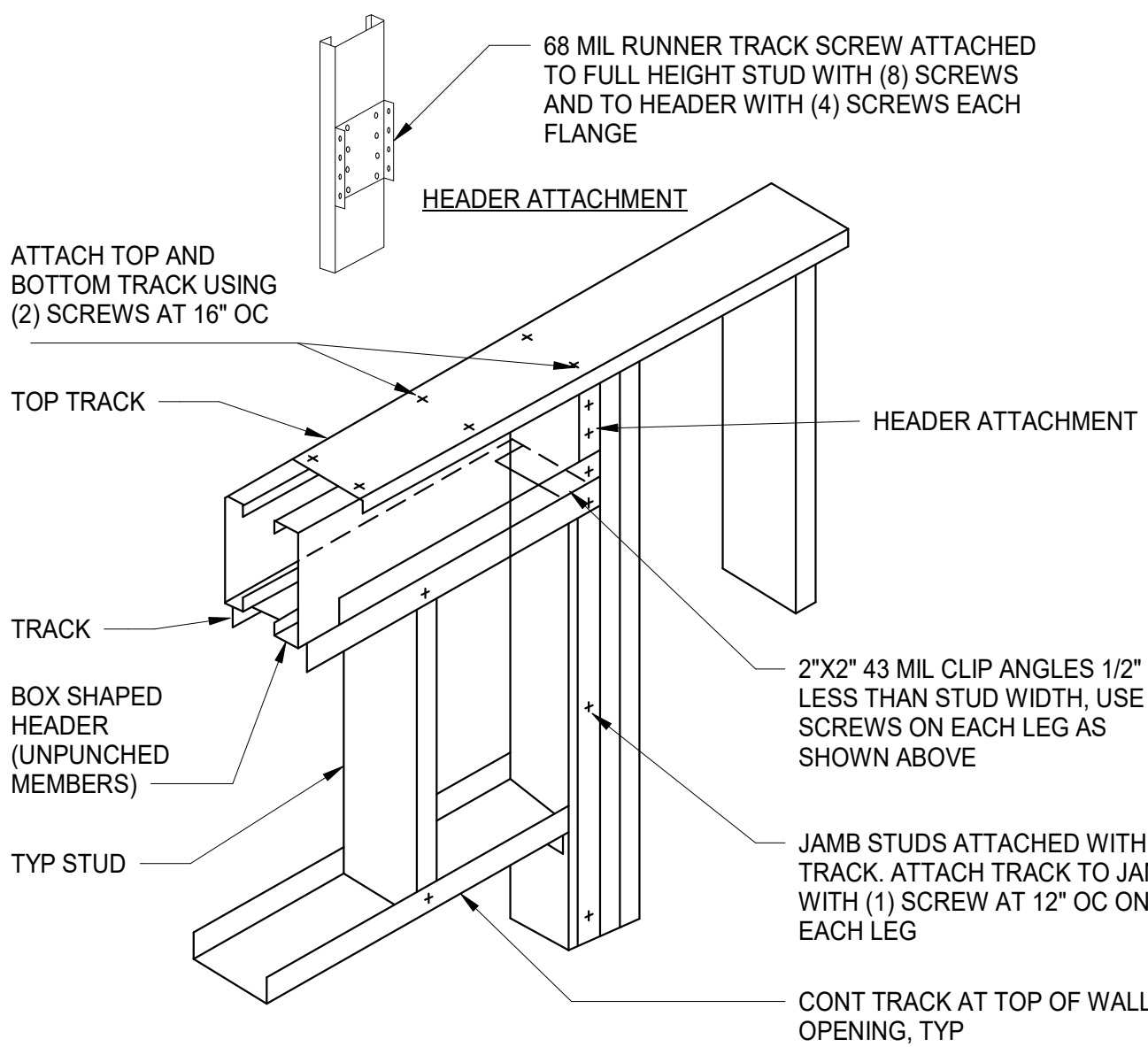
TYPICAL SILL CONNECTION

SILL CONNECTION USING SCREW ATTACHED CLIP ANGLE



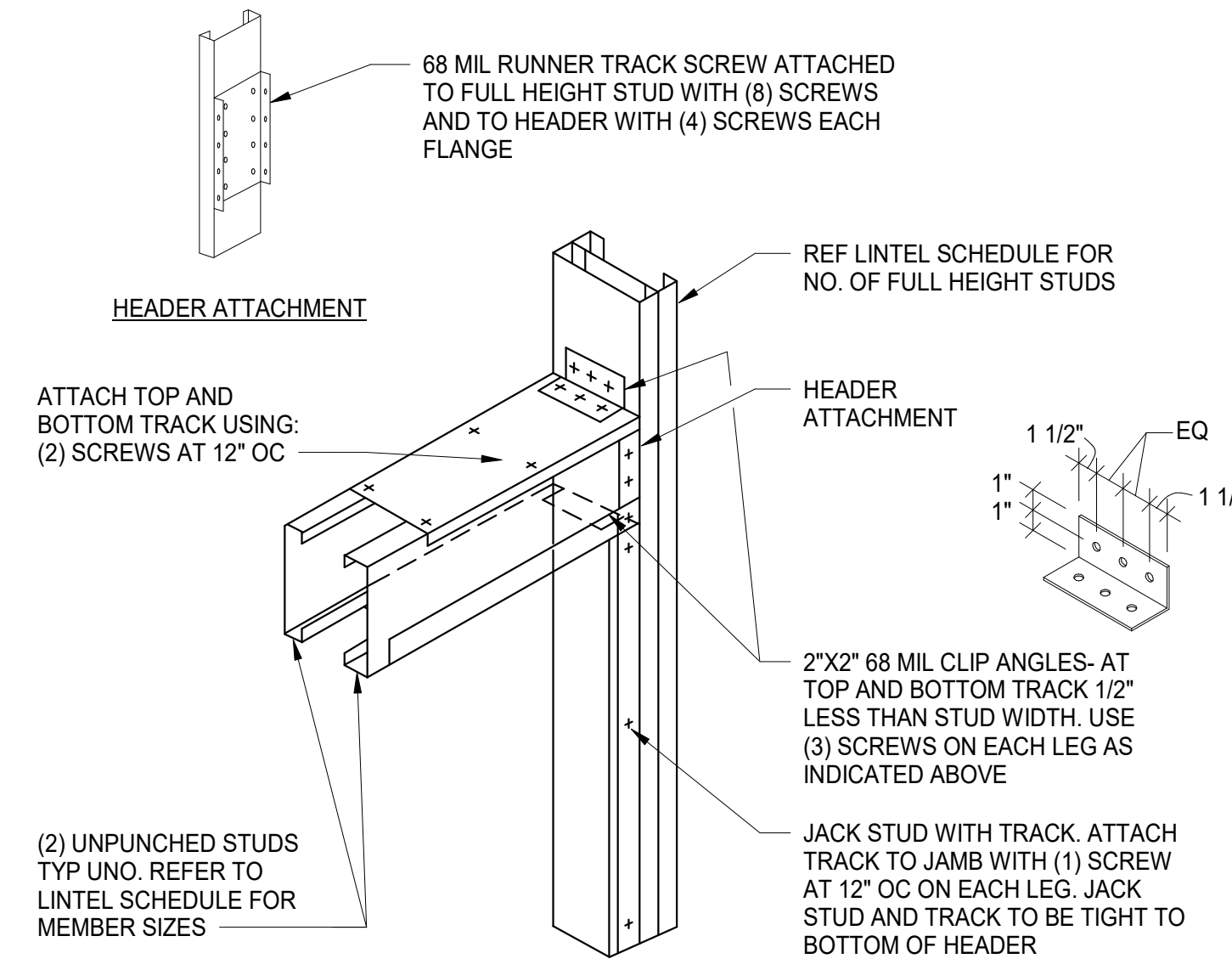
TYPICAL DETAIL AT EXTERIOR STEEL STUD WALL JAMB CONDITION

NO SCALE



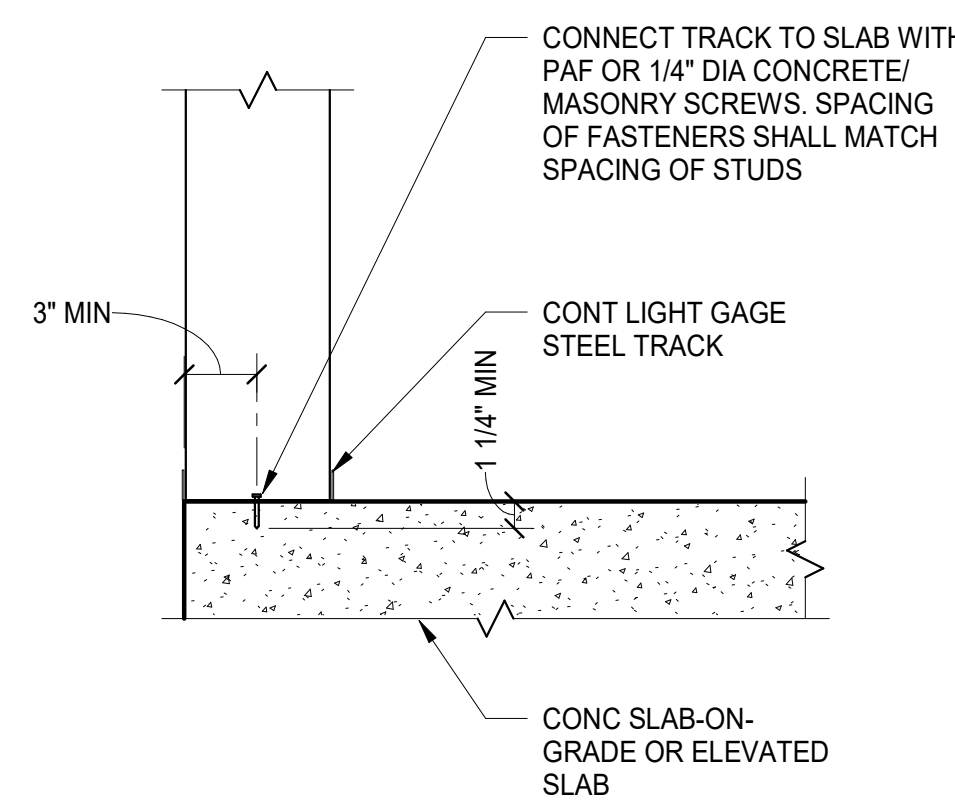
TYPICAL BOXED HEADER CONNECTION

LOAD BEARING HEADER - TWO MEMBER BOXED



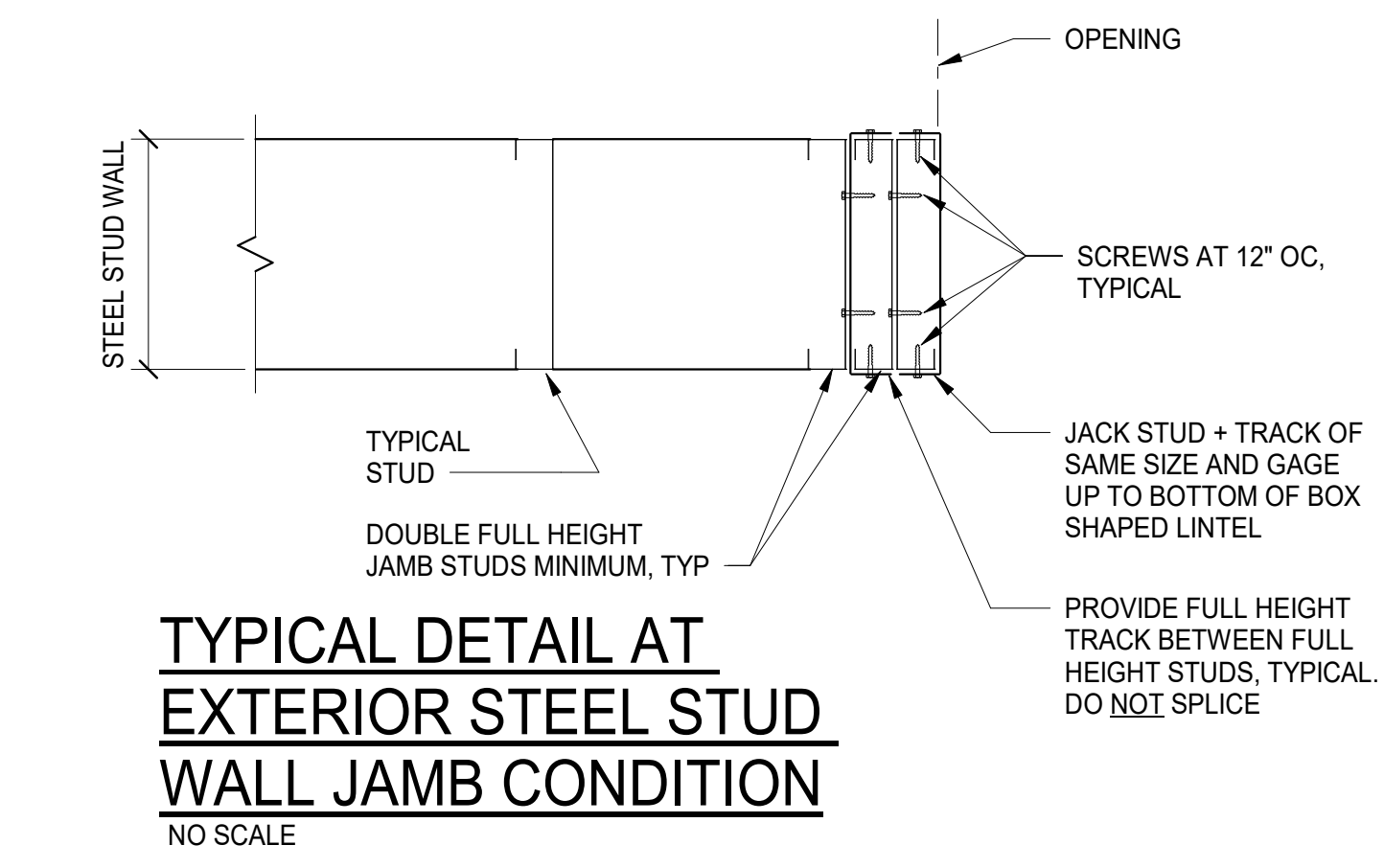
TYPICAL BOXED HEADER CONNECTION

HEADER AT TOP OF OPENINGS



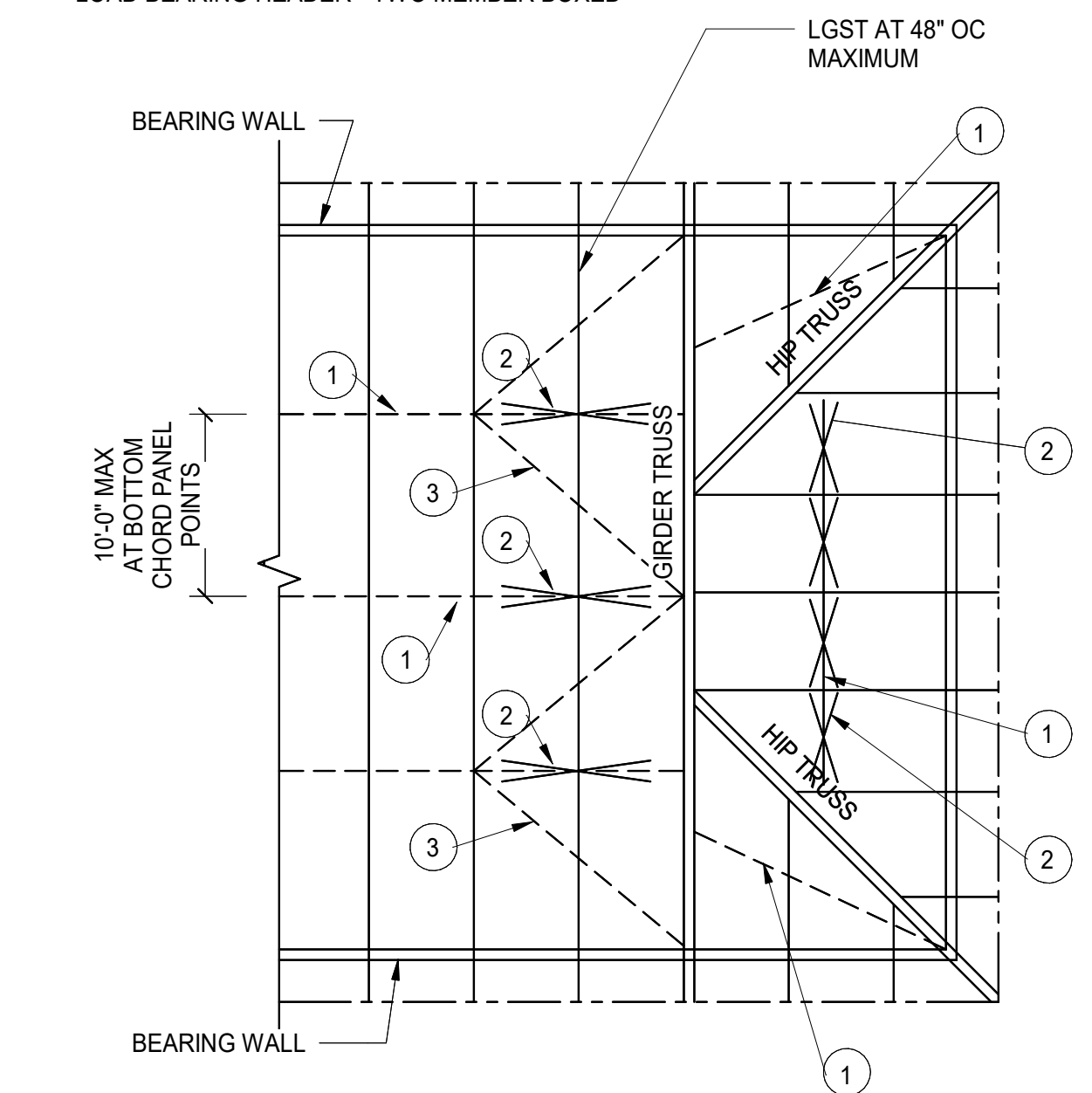
TYPICAL CONNECTION OF LIGHT GAGE STEEL TRACK TO CONCRETE

NO SCALE



TYPICAL DETAIL AT EXTERIOR STEEL STUD WALL JAMB CONDITION

NO SCALE



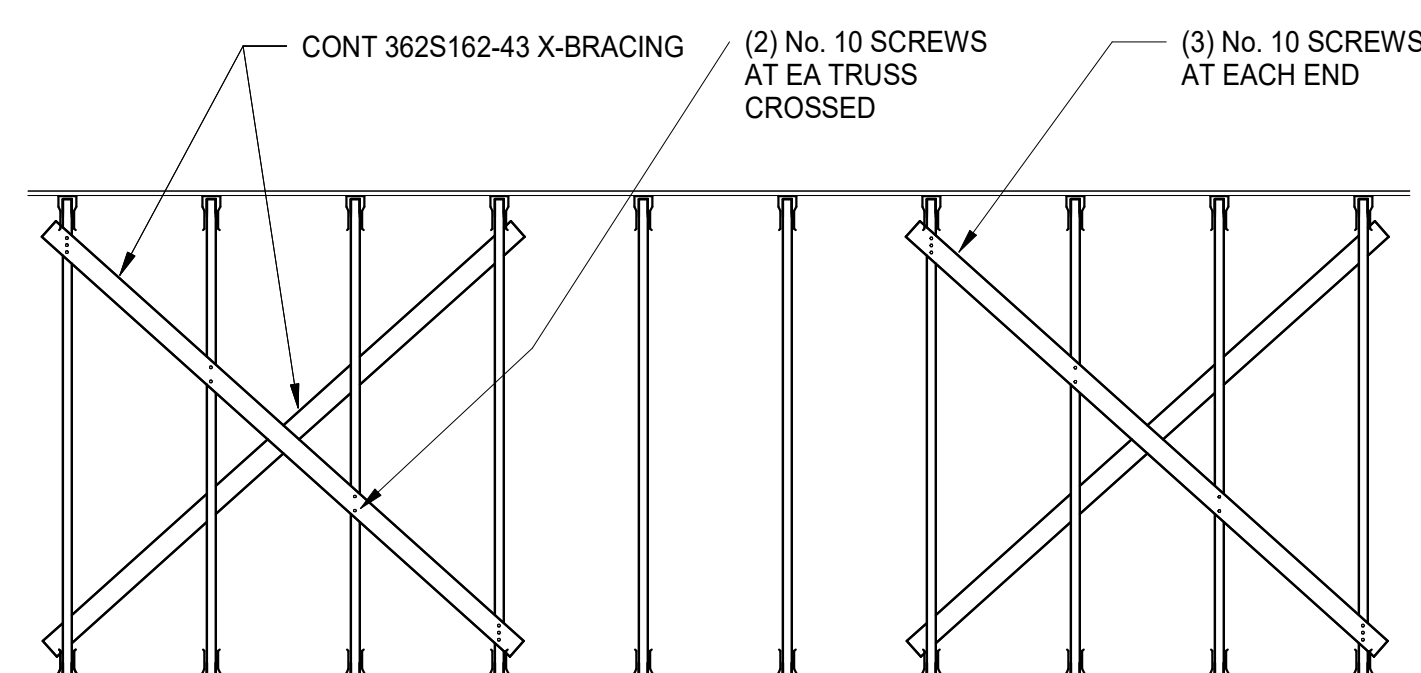
LIGHT GAGE STEEL BRACING AT ENDS OF HIP ROOFS (PLAN VIEW)

NO SCALE

REFER TO TYPICAL GABLE ROOF TRUSS BRACING DIAGRAM FOR ALL OTHER DETAILS.

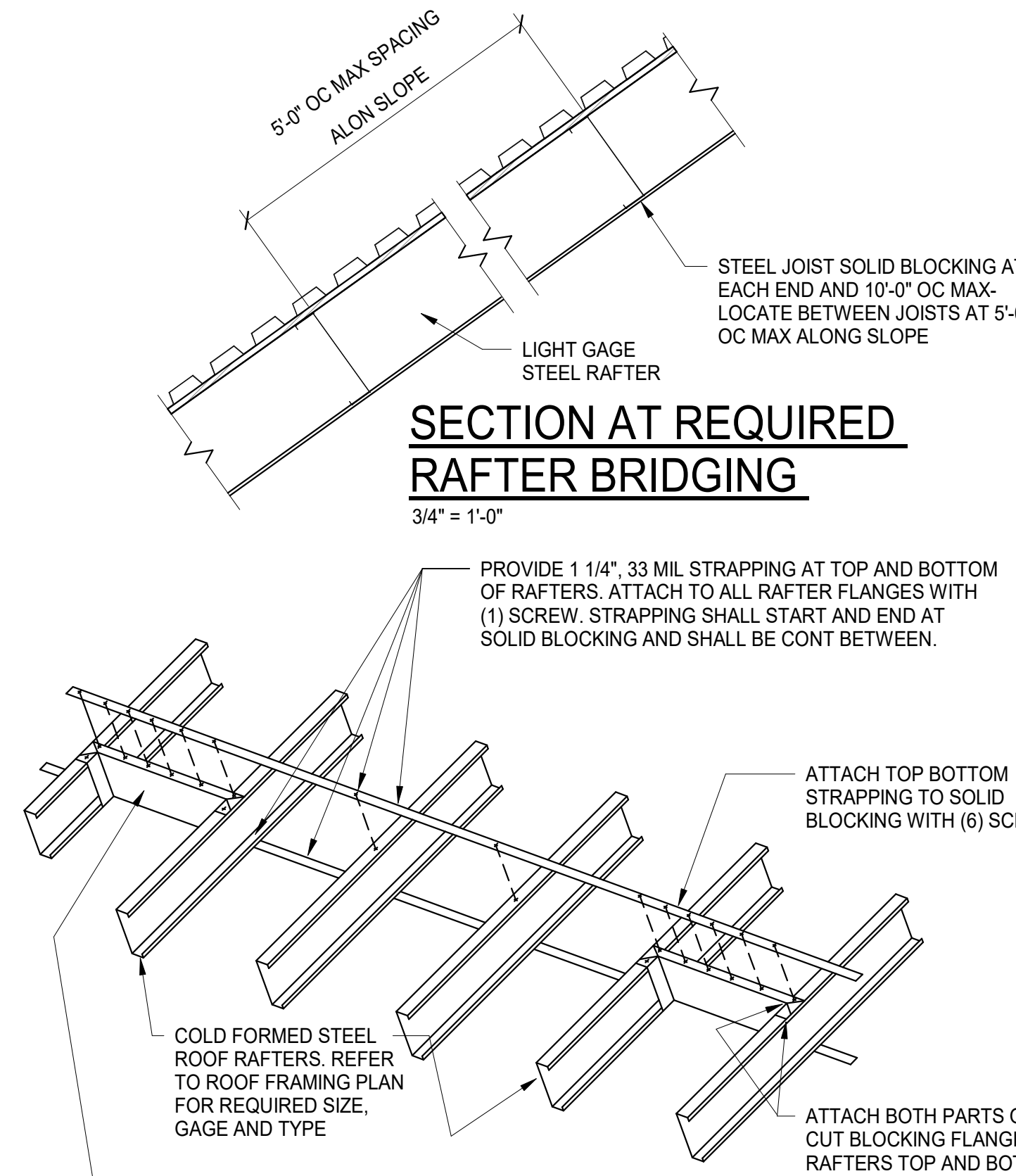
NOTE: TRUSS MANUFACTURER SHALL DESIGN COMPLETE BRACING SYSTEM AND PROVIDE PLANS AND DETAILS OF BRACING AS PART OF SHOP DRAWING SUBMITTAL.

- 1 = CONTINUOUS 362S162-43 STEEL STUD BRACING FOR LIGHT GAGE STEEL TRUSS BOTTOM CHORD (SPACE 10'-0" OC MAX AT BOTTOM CHORD PANEL POINTS)
 - 2 = "VERT" 362S162-43 STEEL STUD CROSS BRACING OF WEB MEMBERS AT EACH ROW OF BOTTOM CHORD BRACING AND REPEAT AT 20'-0" OC (MAX) INTERVALS.
 - 3 = 362S162-43 STEEL STUD BOTTOM CHORD DIAGONAL BRACING. LOCATE AT END OF BUILDING AND REPEAT AT 30'-0" OC (MAX) INTERVALS.
- PROVIDE 362S162 STEEL STUD CROSS BRACING AT 20'-0" OC AT PERMANENT CONTINUOUS LATERAL BRACING AS SPECIFIED BY THE TRUSS ENGINEER.
- LAP ALL LATERAL BOTTOM CHORD BRACES OVER A MINIMUM OF 2 TRUSSES.
- ALL CONNECTIONS SHOULD BE MADE WITH (3) No. 10 SELF DRILLING SCREWS FOR DIAGONAL BRACING, AND (2) No. 10 SELF DRILLING SCREWS FOR LATERAL BRACING.



DIAGONAL X-BRACING AT TRUSS WEB MEMBERS (ELEVATION VIEW)

NO SCALE



SECTION AT REQUIRED RAFTER BRIDGING

3/4" = 1'-0"

PROVIDE 1 1/4" 33 MIL STRAPPING AT TOP AND BOTTOM OF RAFTERS. ATTACH TO ALL RAFTER FLANGES WITH (1) SCREW. STRAPPING SHALL START AND END AT SOLID BLOCKING AND SHALL BE CONT BETWEEN.

NOTES:

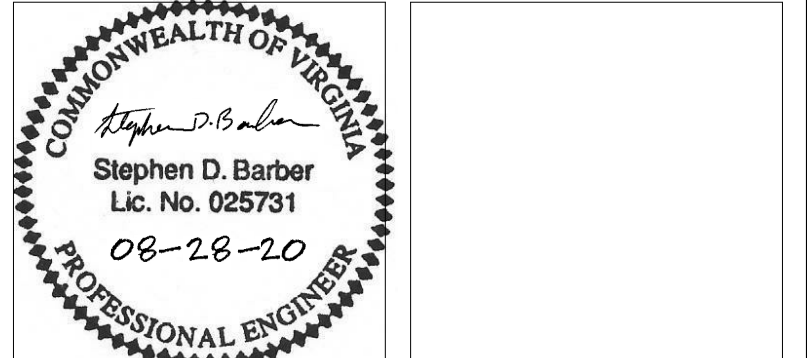
1. RAFTER BRIDGING IS REQUIRED AT ALL RAFTERS AND IS NOT SHOWN ON ROOF FRAMING PLANS. BRIDGING SHALL BE INSTALLED AS REQUIRED BY MANUFACTURER OF RAFTERS TO SUPPORT ALL LOADS AS INDICATE ON DRAWINGS, BUT SHALL NOT BE SPACED MORE THAN 5'-0" OC ALONG SLOPE OF RAFTERS.
2. BRIDGING SHALL BE INSTALLED PRIOR TO INSTALLATION OF ROOF SHEATHING.
3. TOP STRAPPING MAY BE OMITTED AT CONTRACTOR'S OPTION, IF ROOF SHEATHING IS CONTINUOUSLY ATTACHED TO RAFTER TOP FLANGES. IT IS RECOMMENDED THAT TOP STRAPPING BE INSTALLED TO BRACE TOP FLANGES FOR STABILITY DURING ERECTION.

TYPICAL REQUIRED RAFTER AND CEILING JOIST BRIDGING

NO SCALE

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NO.	DATE	NAME	DESCRIPTION OF CHANGES

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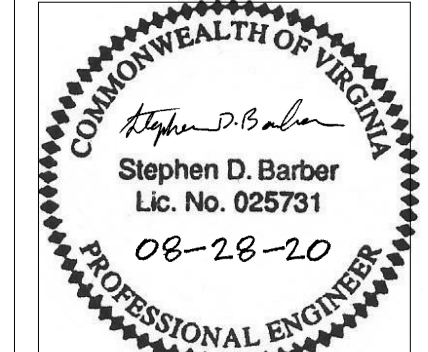
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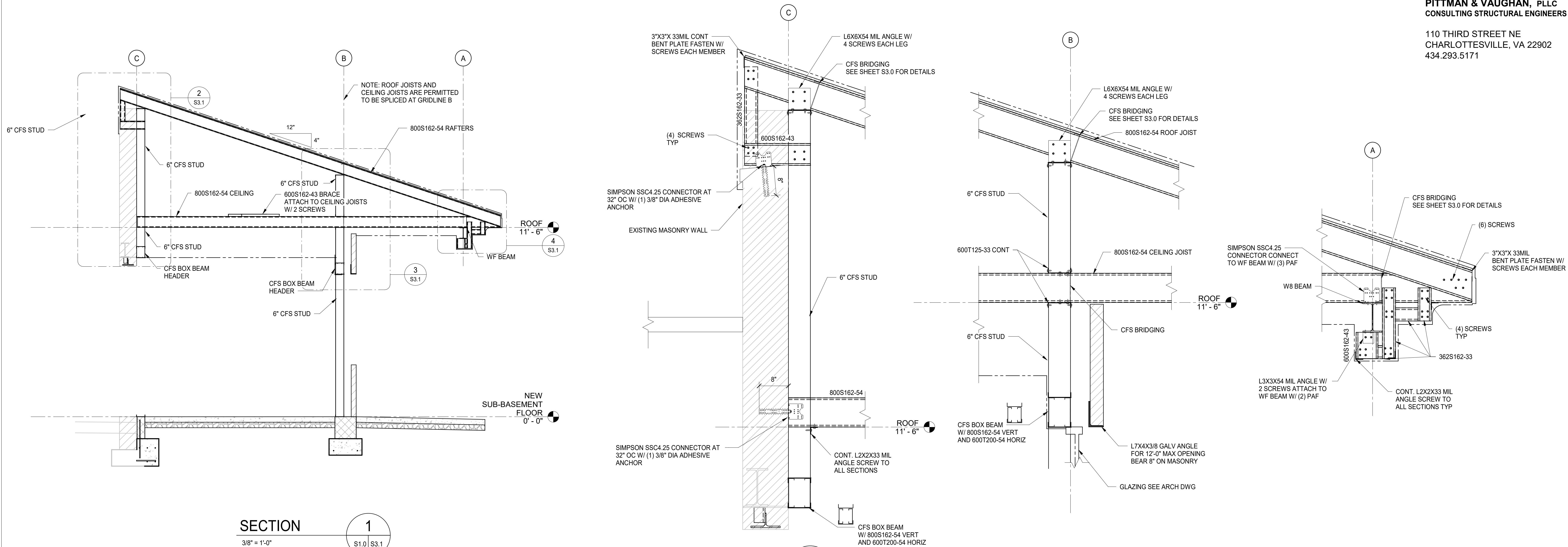


FRAMING DETAILS
PLOT SCALE: 3/4" = 1'-0"
FILENAME:
DATE: 8/28/2020

PROJECT
S3.0



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SECTION 1
 3/8" = 1'-0"

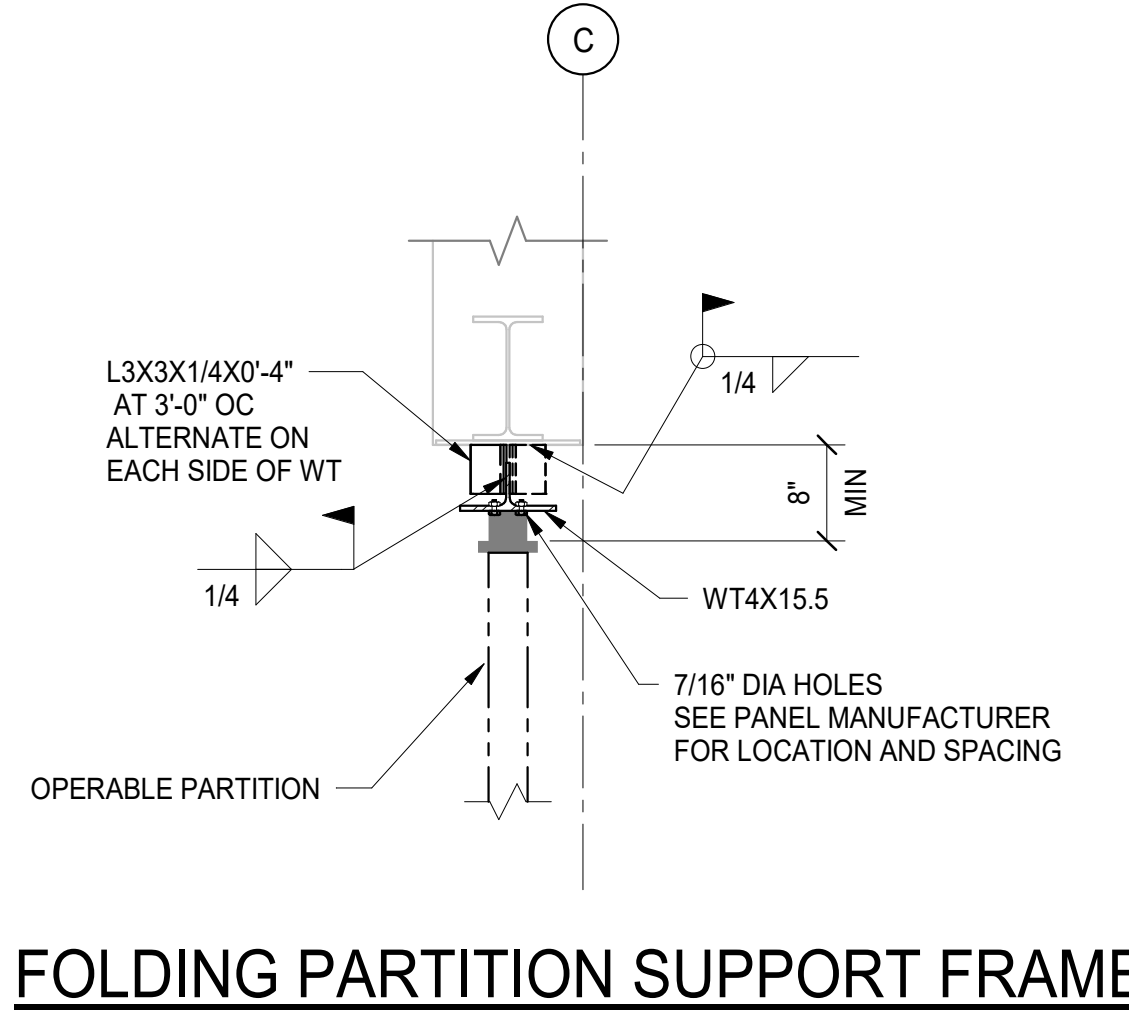
DETAIL 2
 1" = 1'-0"

DETAIL 3
 1" = 1'-0"

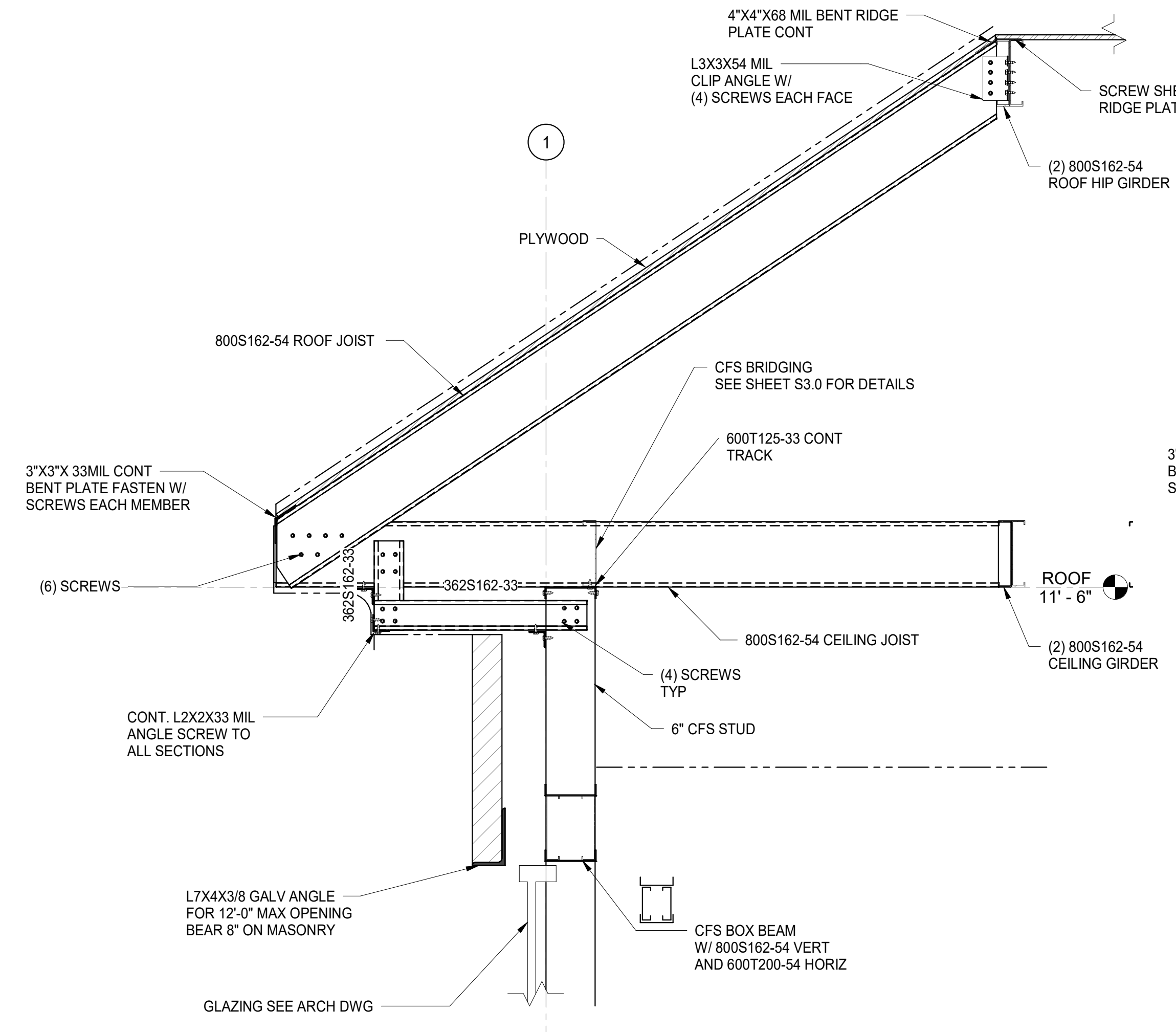
DETAIL 4
 1" = 1'-0"

REVISIONS

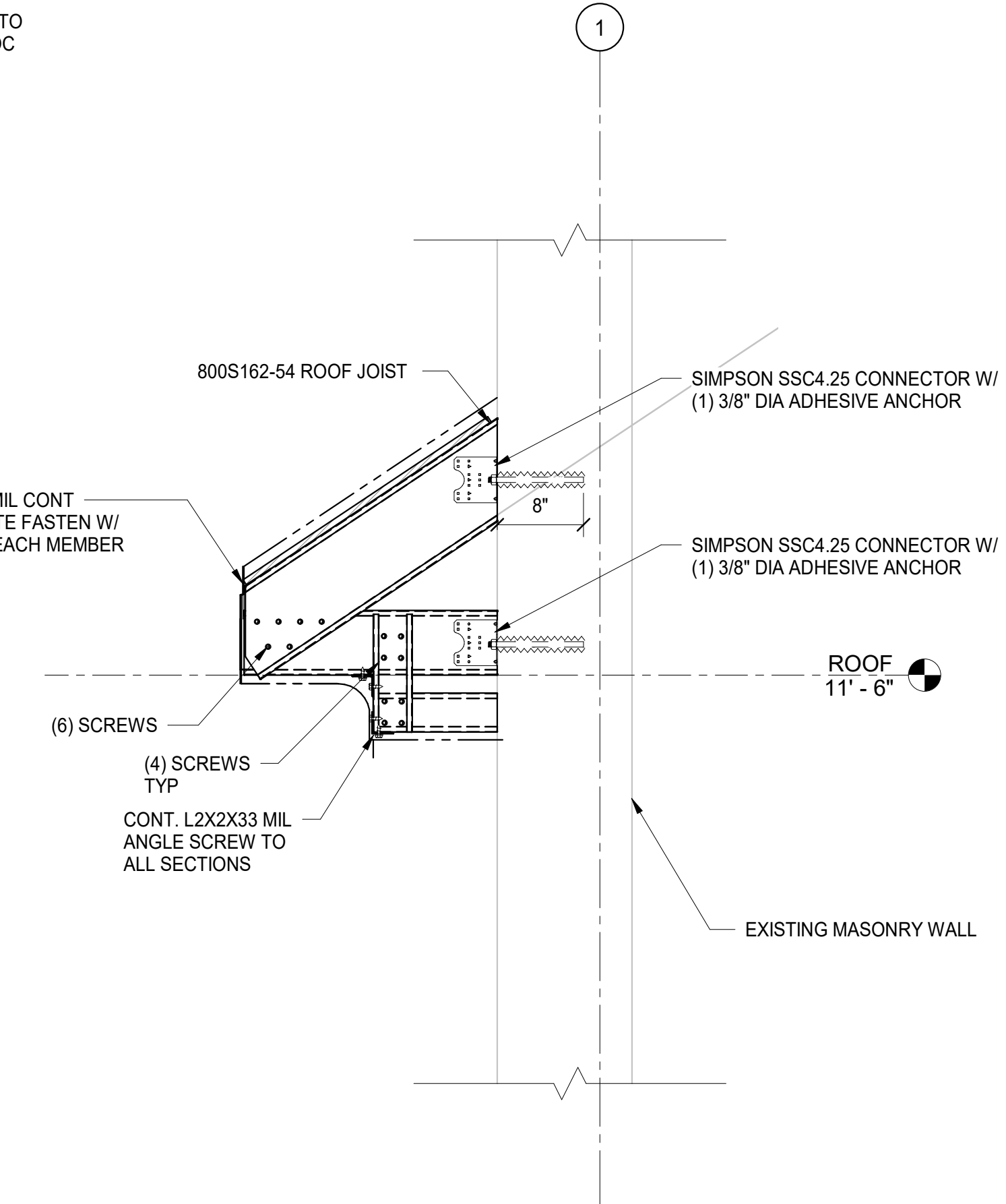
NO.	DATE	DESCRIPTION OF CHANGES



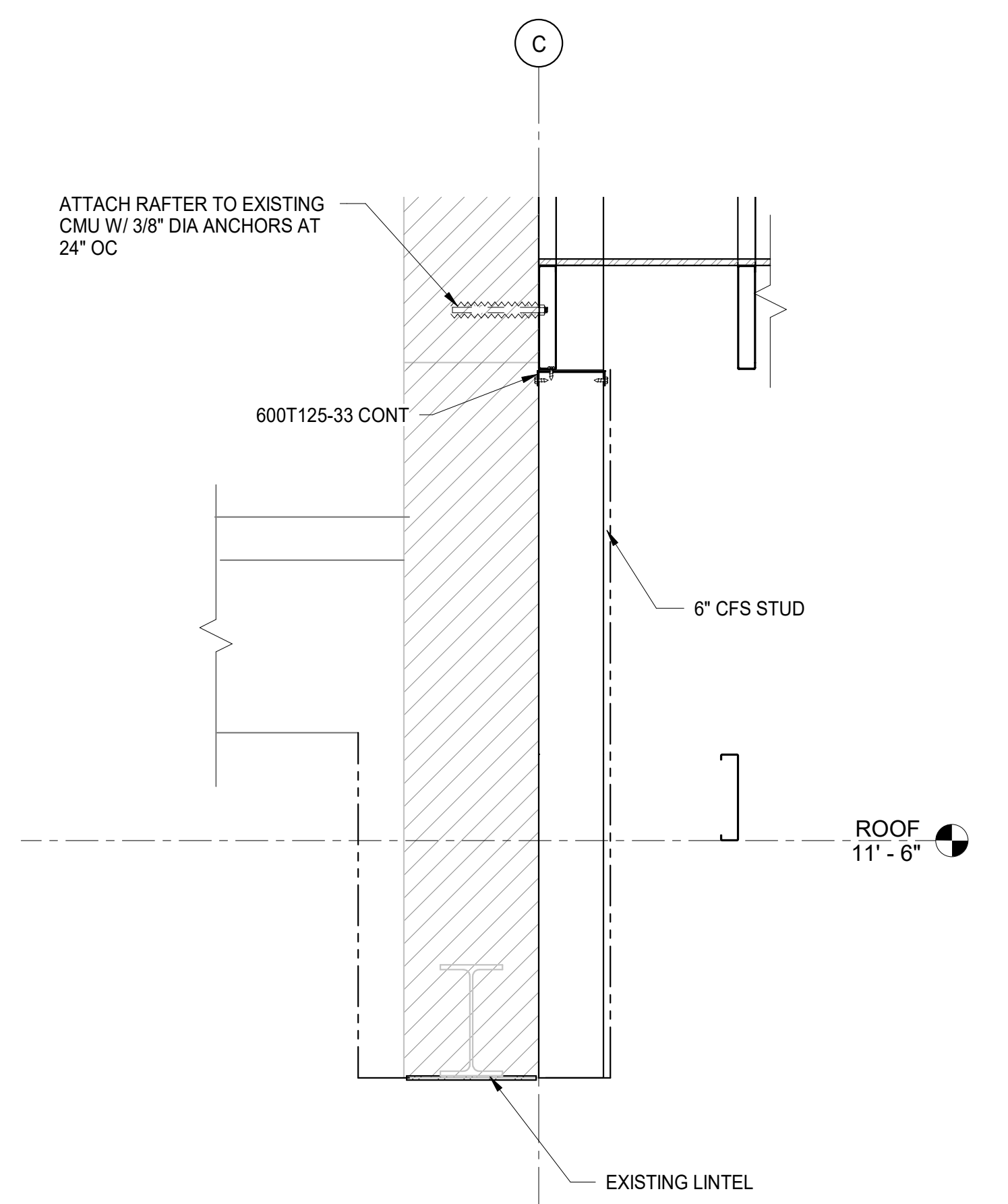
SECTION 5
 3/4" = 1'-0"



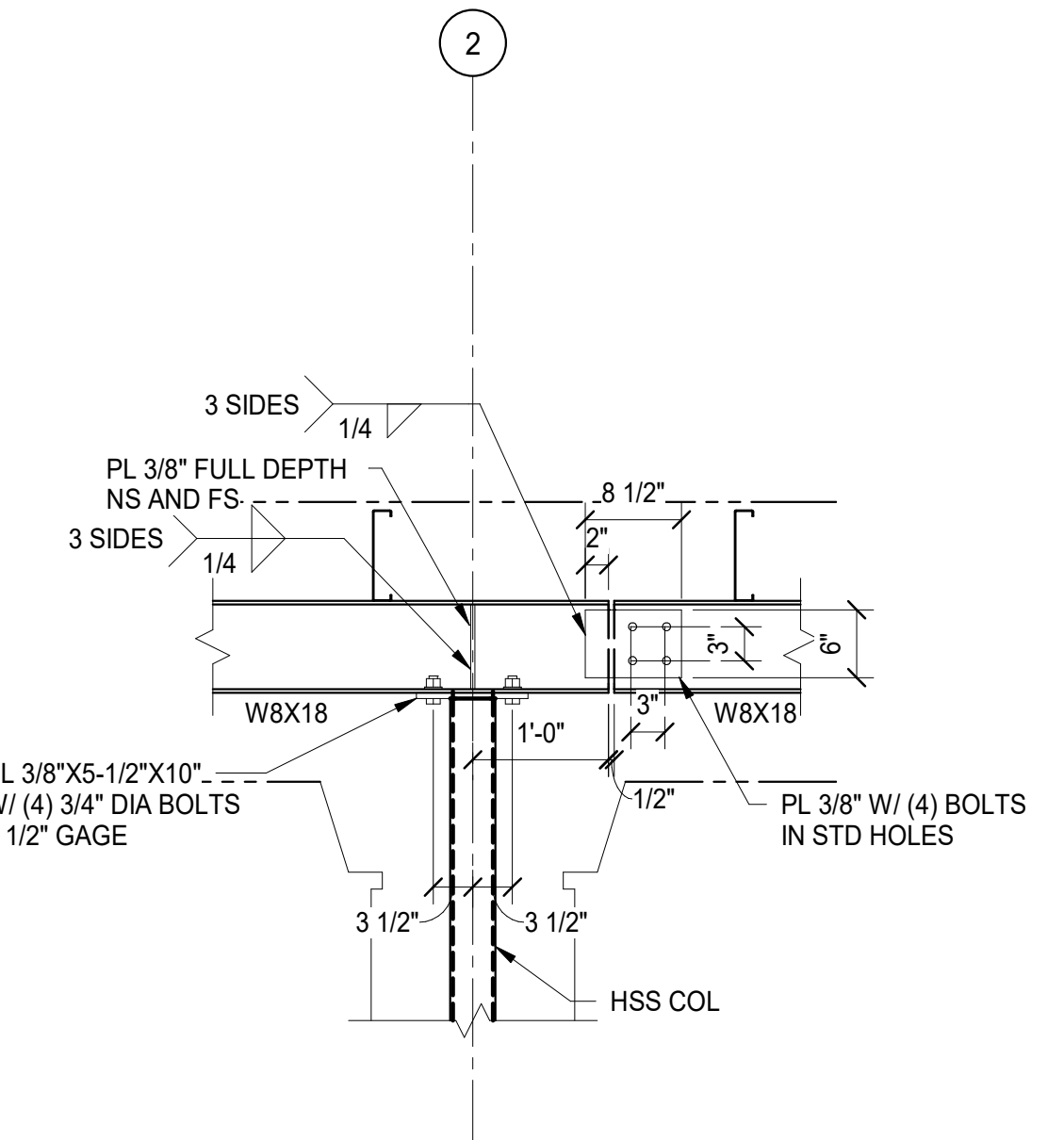
SECTION 6
 1" = 1'-0"



SECTION 7
 1" = 1'-0"



SECTION 8
 1" = 1'-0"



SECTION 9
 3/4" = 1'-0"

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FRAMING DETAILS

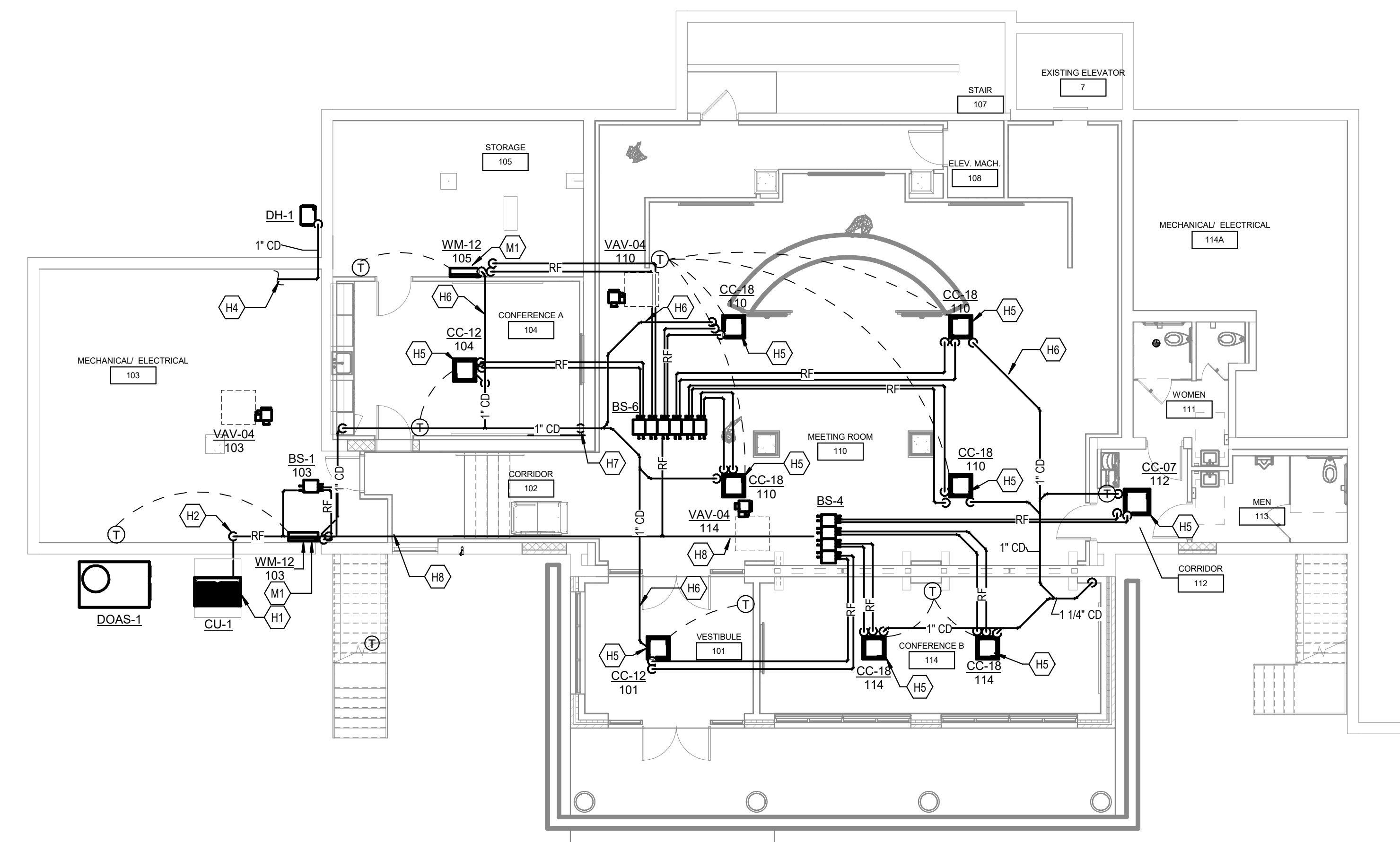
PLOT SCALE: As indicated

FILENAME:

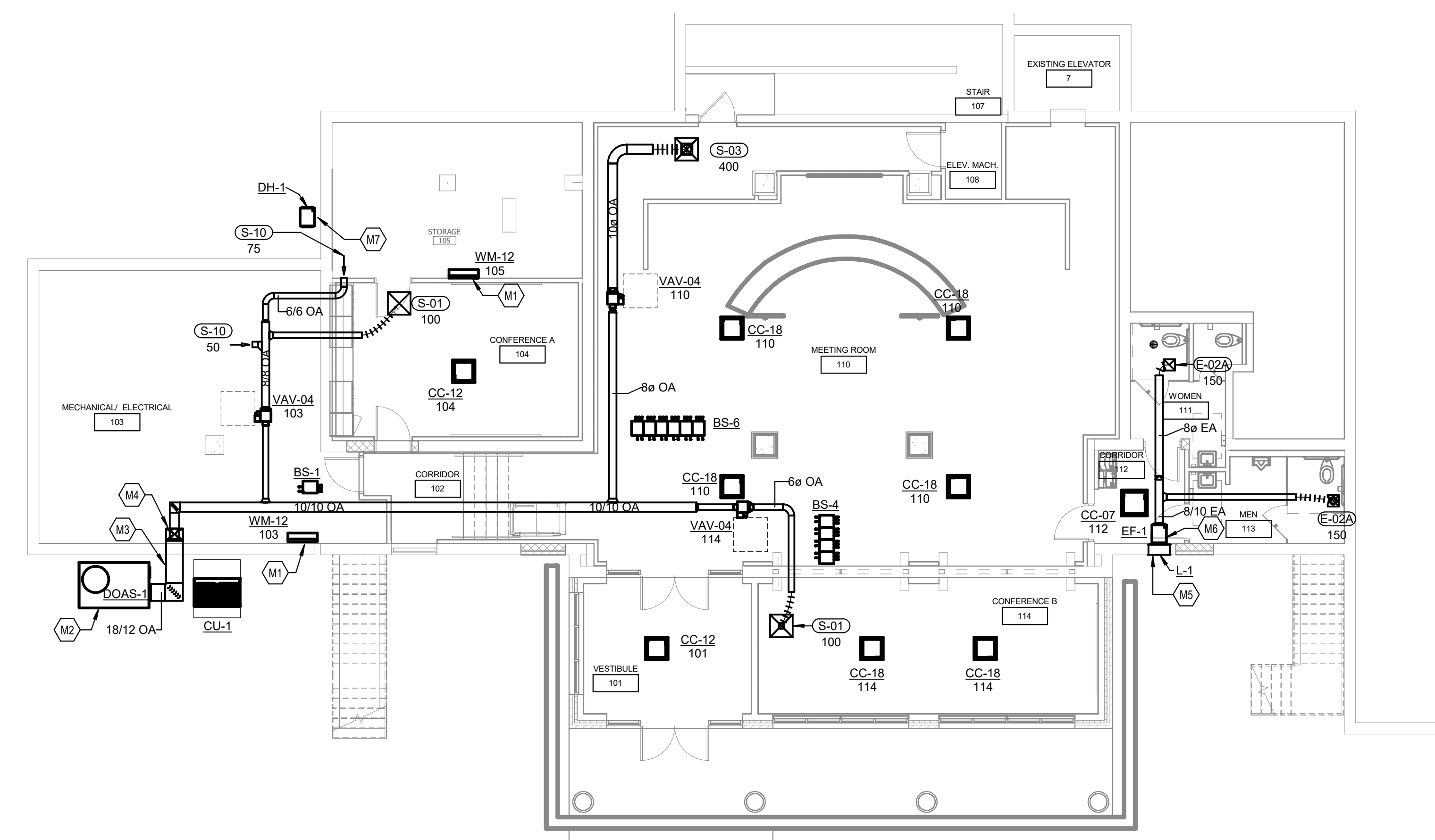
DATE: 8/28/2020

PROJECT

S3.1



1 FIRST FLOOR HYDRONICS NEW WORK
1/8" = 1'-0"



2 FIRST FLOOR AIR DISTRIBUTION NEW WORK
1/8" = 1'-0"

TAGGED NOTES

- H1 MOUNT NEW VRF CONDENSING UNIT ON EXISTING CONCRETE PAD. EXPAND EXISTING CONCRETE PAD AS REQUIRED TO FIT NEW CONDENSING UNIT. PIPING TO RUN THROUGH EXISTING PENETRATION IN WALL. SEAL AIRTIGHT AROUND PIPING. MOUNT DISCONNECT ON WALL.
- H2 REFRIGERANT PIPING TO BE ROUTED UP WALL TO 10'-6" TO BE ABOVE NEW CEILING.
- H4 ROUTE 1" CONDENSATE PIPING THRU MECHANICAL ROOM WALL AND DRAIN TO FLOOR DRAIN. SEAL WALL PENETRATION AIR TIGHT.
- H5 MOUNT CASSETTE IN NEW CEILING. REFER TO VRF CASSETTE PIPING SCHEMATIC FOR DETAILS.
- H6 ROUTE CONDENSATE PIPING IN BETWEEN JOISTS AS HIGH AS POSSIBLE.
- H7 CONDENSATE PIPING TO CONNECT TO EXISTING PIPE. DROP IN CORNER.
- H8 VRF MANUFACTURER TO SPECIFY PIPE SIZE. NOT ALL REFRIGERANT PIPES ARE SHOWN. REFER TO VRF MANUFACTURERS INSTALL DRAWINGS.
- M1 MOUNT NEW WALL MOUNTED UNIT 8'-6" ABOVE FINISHED FLOOR.
- M2 NEW DOAS-1 UNIT TO BE MOUNTED ON EXISTING CONCRETE CURB. EXPAND CURB AS REQUIRED TO INSTALL UNIT.
- M3 PROVIDE EXTERIOR DUCT WRAP FOR DUCT BEFORE IT ENTERS THE BUILDING. REFER TO SPECIFICATIONS.
- M4 18"x12" OUTSIDE AIR DUCTWORK TO BE ROUTED UP WALL AND TRANSITION TO 10"x10" DUCTWORK.
- M5 NEW LOUVER TO BE INSTALLED IN EXTERIOR WALL. REFER TO LOUVER SCHEDULE.
- M6 EXHAUST FAN TO BE MOUNTED TIGHT TO LOUVER.
- M7 PROVIDE NEW DEHUMIDIFIER IN CRAWL SPACE. MOUNT DEHUMIDIFIER TO STRUCTURE. PIPE CONDENSATE OUTSIDE. REFER TO DEHUMIDIFIER SCHEDULE.

R,G,D RUNOUT SCHEDULE

MARK	DUCT BRANCH SIZE
E-02A	8"Ø
S-01	6"Ø
S-03	10"Ø
S-10	6"X8"

VAV BOX RUNOUT SCHEDULE

MARK	DUCT INLET SIZE
VAV-04	6"Ø

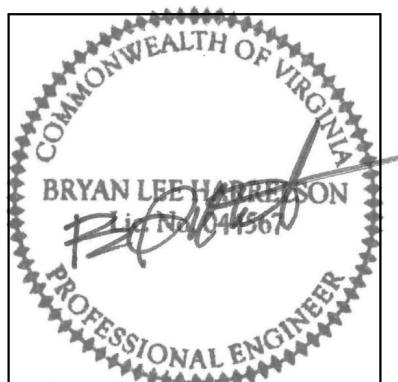
REVISIONS

NO.	DATE	BY	DESCRIPTION OF CHANGES

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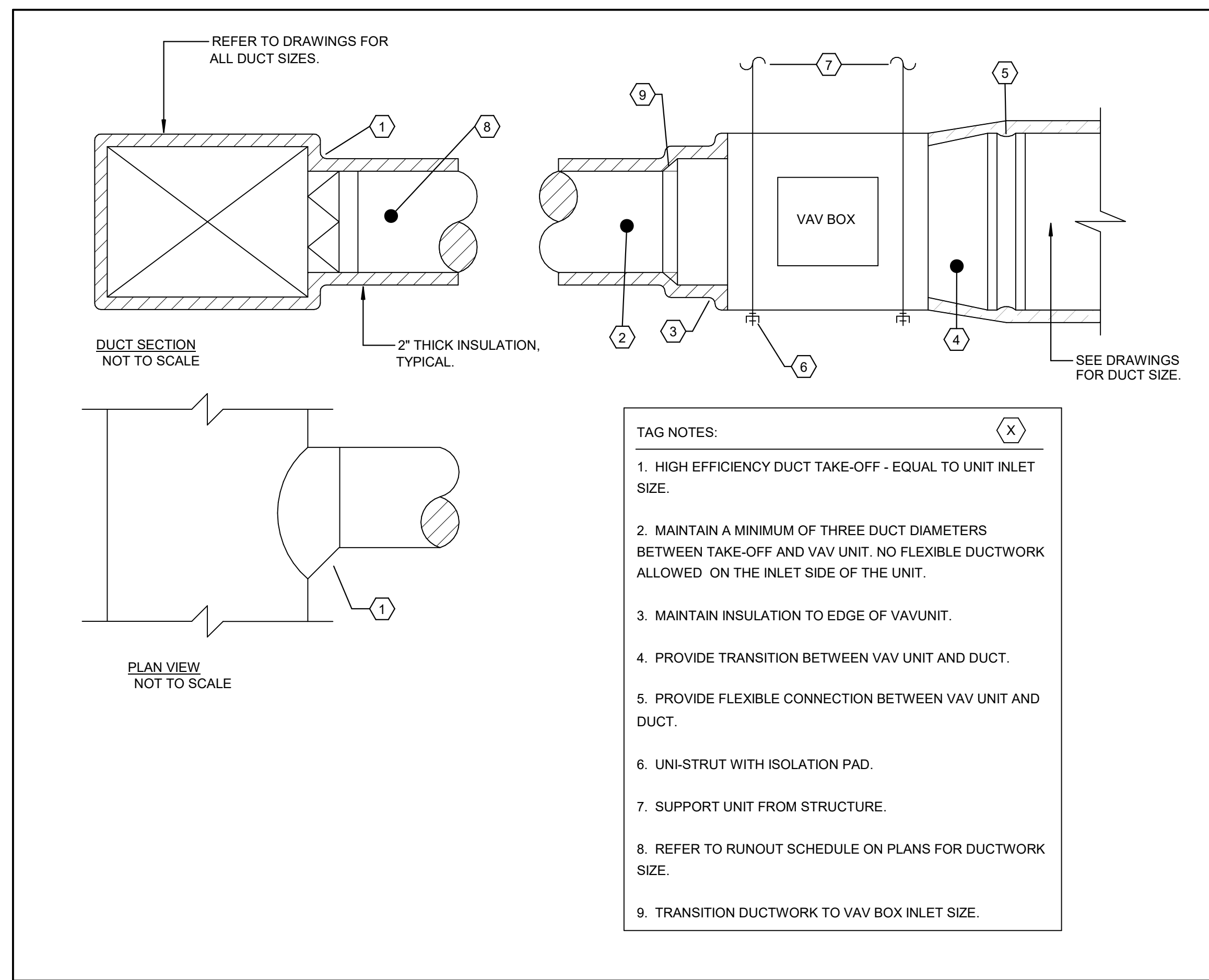
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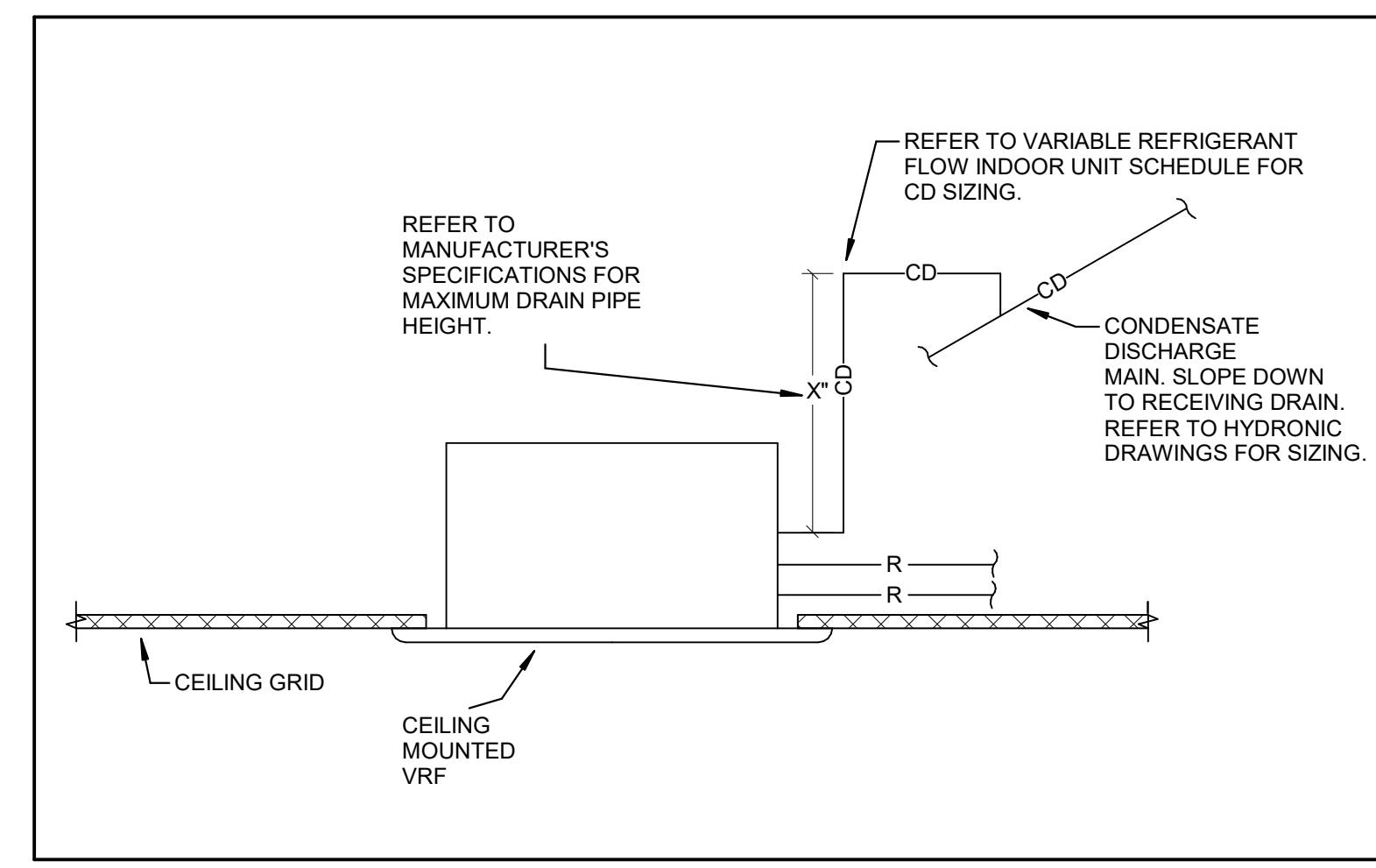
MECHANICAL NEW WORK
 PLAN
 PLOT SCALE:
 1/8" = 1'-0"
 FILENAME:
 DATE:
 AUGUST 28, 2020

PROJECT
 Fluvanna Co.
M-100

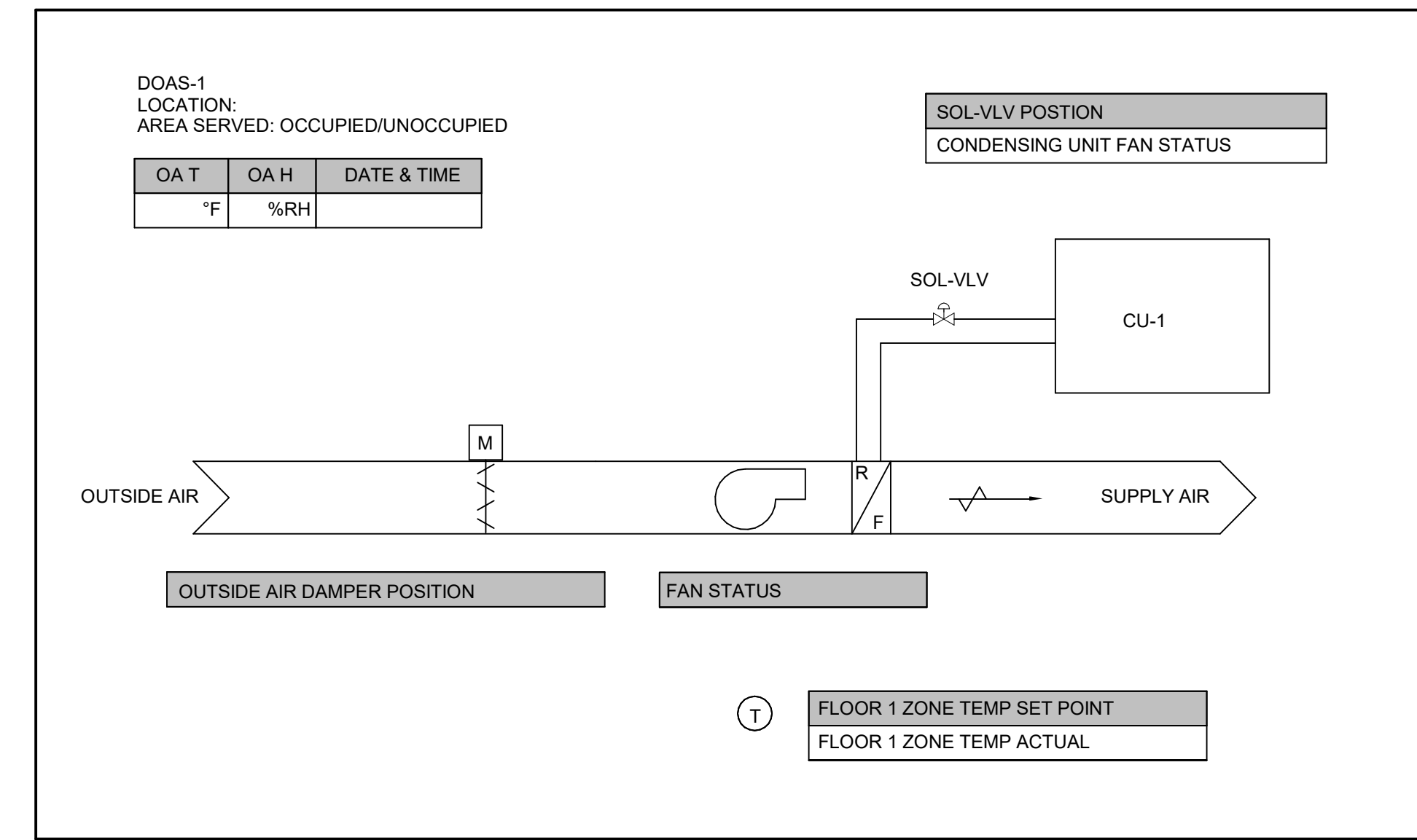
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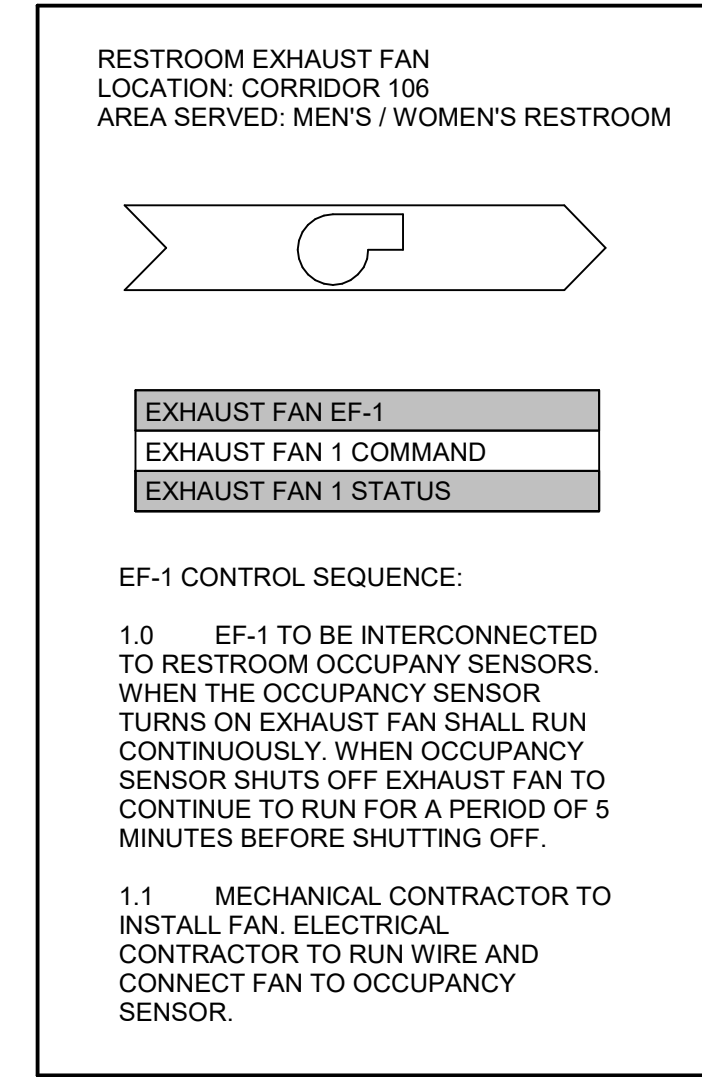
1 VAV BRANCH DUCT CONNECTION DETAIL
NOT TO SCALE



2 VRF CASSETTE PIPING SCHEMATIC
NOT TO SCALE



1. DOAS-1
- 1.1. These units shall be provided with factory controls. The DOAS-1 unit shall run when based on occupancy, schedule shall be fully adjustable. The DOAS-1 unit shall provide room neutral outside air when the building is occupied. The unit will shall activate electric auxiliary heating when outside air temperature is below 40 deg F.



DOAS UNIT SCHEDULE																								
MARK	MANUFACTURER	MODEL #	SERVICE	LOCATION	PHYSICAL DATA				TOTAL SA				SUPPLY FAN				ELECTRICAL						REMARKS	
					WIDTH (IN.)	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LBS)	CFM	MIN. OA CFM	FAN MOTOR TYPE	# OF FANS	FAN RPM	E.S.P. (" WC)	T.S.P. (" WC)	RATED H.P. (PER FAN)	B.H.P. (PER FAN)	VOLT.	PH.	FLA	MCA	MOCP		VFD
DOAS-1	DAIKIN	DVS05	MEETING ROOM	EXTERIOR	71	67	41	1132	700	700	ECM DIRECT	1	1750	2.00	4	2.0	1.3	208 V	3	53 A	66 A	70	No	ALL

DOAS UNIT SCHEDULE - DX COIL																
MARK	NO. OF ROWS	FIN SPACING (FINS/IN)	FACE AND BYPASS	COOLING PERFORMANCE						HEATING PERFORMANCE						
				TOTAL (MBH)	SENSIBLE (MBH)	EAT DB (°F)	LAT DB (°F)	LAT WB (°F)	FACE VELOCITY (FFM)	APD (IN. WG.)	TOTAL (MBH)	EAT (°F)	LAT (°F)	FACE VELOCITY (FFM)	APD (IN. WG.)	
DOAS-1	3	14	No	49609.0	31140.0	95	75	55	54	115	0.10	7595.0	70	80	115	0.10

DOAS UNIT SCHEDULE - AUXILIARY ELECTRIC HEATER SCHEDULE									
MARK	CFM	M HEATING CAPACITY (W)	M EAT ELECTRIC	M LAT ELECTRIC	INPUT (KW)	ELECTRICAL			REMARKS
						VOLTAGE	PHASE	FLA	
DOAS-1	700	61434.0	15	75	18 W	208 V	3	50 A	ALL

- REMARKS:
- COOLING PERFORMANCE IS FOR 95 DEG. F. OUTDOOR, 70 DEG. F DB / 61 DEG. F WB INDOOR.
 - HEATING PERFORMANCE IS FOR 6 DEG. F OUTDOOR, 68 DEG. F INDOOR.
 - CONTRACTOR SHALL COORDINATE TO ENSURE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES ARE MAINTAINED.
 - PROVIDE GFI OUTLET.
 - PROVIDE SINGLE POINT CONNECTION.
 - PROVIDE INTEGRAL DISCONNECT. FIELD-INSTALLED DISCONNECTS ARE ACCEPTABLE, AND SHALL BE PROVIDED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.

VARIABLE REFRIGERANT FLOW INDOOR UNIT SCHEDULE																		
MARK	MANUFACTURER	MODEL #	TYPE	MINIMUM NOMINAL COOLING (MBH)	SENSIBLE COOLING (MBH)	MINIMUM NOMINAL HEATING (MBH)	AIRFLOW (CFM)	SOUND (dB)	CD PIPE SIZE	DIMENSIONS (IN)			WEIGHT (LBS)	ELECTRICAL				REMARKS
										LENGTH	WIDTH	HEIGHT		VOLTAGE	PHASE	MCA	MOCP	
CC-07	DAIKIN	FXZQ07TAVJU	CONCEALED CEILING CASSETTE UNIT	7.5	5.5	8.5	300	30	3/4	24	24	11	34	208 V	1	1 A	15	ALL
CC-12	DAIKIN	FXZQ12TAVJU	CONCEALED CEILING CASSETTE UNIT	12.0	7.8	13.5	350	30	3/4	24	24	11	36	208 V	1	1 A	15	ALL
CC-18	DAIKIN	FXZQ18TAVJU	CONCEALED CEILING CASSETTE UNIT	18.0	13.0	20.0	500	32	3/4	24	24	11	41	208 V	1	1 A	15	ALL
WM-12	DAIKIN	FXAQ12PVJU	WALL MOUNTED UNIT	12.0	8.9	13.5	290	38	1	31	12	10	26	208 V	1	1 A	15	ALL

- REMARKS:
- COOLING PERFORMANCE IS FOR 95 DEG. F. OUTDOOR, 70 DEG. F DB / 61 DEG. F WB INDOOR.
 - HEATING PERFORMANCE IS FOR 6 DEG. F OUTDOOR, 68 DEG. F INDOOR.
 - CONTRACTOR SHALL COORDINATE TO ENSURE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES ARE MAINTAINED.
 - TEMPERATURE SENSOR FOR UNIT TO BE MOUNTED IN THE SPACE.
 - PROVIDE SINGLE POINT CONNECTION.
 - PROVIDE INTEGRAL DISCONNECT. FIELD-INSTALLED DISCONNECTS ARE ACCEPTABLE, AND SHALL BE PROVIDED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
 - PROVIDE CONDENSATE PUMP.

VARIABLE REFRIGERANT FLOW OUTDOOR UNIT SCHEDULE																	
MARK	MANUFACTURER	MODEL #	TYPE	TOTAL COOLING CAPACITY (MBH)	MINIMUM NOMINAL HEATING (MBH)	SOUND (dB)	NOMINAL SIZE (IN)				VOLTAGE	PHASE	MCA	MOCP	MCA	MOCP	REMARKS
							LENGTH	WIDTH	HEIGHT	WEIGHT (LBS)							
CU-1	DAIKIN	REYQ192TJU	VRV-4V-HEAT RECOVERY	153.0	106.0	65	31	86	67	1210	208 V	3	43 A	50	31 A	35	ALL

- REMARKS:
- COOLING PERFORMANCE IS FOR 95 DEG. F. OUTDOOR, 70 DEG. F DB / 61 DEG. F WB INDOOR.
 - HEATING PERFORMANCE IS FOR 6 DEG. F OUTDOOR, 68 DEG. F INDOOR.
 - CONTRACTOR SHALL COORDINATE TO ENSURE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES ARE MAINTAINED.
 - OUTDOOR UNIT HEATING CAPACITY IS BASED ON FULLY HEATING INDOOR UNITS. OUTDOOR UNIT COOLING CAPACITY IS BASED ON FULLY COOLING INDOOR UNITS.
 - UNIT WILL HAVE SINGLE POINT CONNECTION.
 - PROVIDE INTEGRAL WALL MOUNTED DISCONNECT.
 - PROVIDE LOW AMBIENT HEATING ACCESSORY.

REGISTERS, GRILLES, AND DIFFUSERS												
MARK	MANUFACTURER	MODEL #	TYPE	GRILLE SIZE	PANEL SIZE	DUCT INLET SIZE	DUCT BRANCH SIZE	MAX CFM	P.D.	NOISE CRITERIA	THROW PATTERN	REMARKS
E-02A	TITUS	TDC-AA	ALUMINUM LOUVERED FACE DIFFUSER	10"X10"	12"X12"	8"Ø	8"Ø	225	0.05	25	-	ALL
S-01	TITUS	TDC-AA	ALUMINUM LOUVERED FACE DIFFUSER	22"X22"	24"X24"	6"Ø	6"Ø	100	0.05	25	4-WAY	ALL
S-03	TITUS	TDC-AA	ALUMINUM LOUVERED FACE DIFFUSER	22"X22"	24"X24"	10"Ø	10"Ø	400	0.05	25	4-WAY	ALL
S-10	TITUS	350FL	ALUMINUM SIDEWALL GRILLE	6"X6"	6"X6"	6"Ø	6"Ø	75	0.09	25	SINGLE DEFLECTION	ALL

- REMARKS:
- ARCHITECT TO SELECT COLOR. PROVIDE FULL COLOR OPTIONS.
 - REFER TO ARCHITECTURAL PLANS FOR MOUNTING TYPE (LAY-IN, GYP, ETC.)

VAV BOX SCHEDULE															
MARK	MANUFACTURER	MODEL #	BOX TYPE	DIMENSIONS (IN)			DUCT CONNECTIONS		INLET STATIC PRESS. @ MAX CFM (" WG)	MAX DISCHARGE NC	MAX CFM	MIN CFM	PRESSURE INDEPENDENT CONTROLS	LEAKAGE RATE @ 1.0"	REMARKS
				LENGTH	WIDTH	HEIGHT	INLET SIZE	OUTLET SIZE							
VAV-04	NAILOR	3000 SERIES	DOUBLE WALL	21	10	10	6"Ø	10"X10"	1.00	25	400	0	Yes	3	ALL

- REMARKS:
- BOX SHALL BE DOUBLE WALL WITH 1" THICK INSULATION.

VARIABLE REFRIGERANT CONTROLLER UNIT SCHEDULE														
MARK	MANUFACTURER	MODEL #	SERVICE	TYPE	AIRFLOW (CFM)	E.S.P.	DRIVE	RPM	FAN HP	ELECTRICAL DATA				REMARKS
										VOLTAGE	PHASE	MCA	MOCP	
EF-1	GREENHECK	CSP-A390	RESTROOMS	SQUARE INLINE CENTRIFUGAL FAN	300	0.59	DIRECT	1350	0	208 V	1	60	4.5	ALL

- REMARKS:
- PROVIDE SINGLE POINT CONNECTION.
 - CONTRACTOR SHALL COORDINATE TO ENSURE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES ARE MAINTAINED.
 - PROVIDE INTEGRAL DISCONNECT.

EXHAUST FAN SCHEDULE														
MARK	MANUFACTURER	MODEL #	SERVICE	TYPE	AIRFLOW (CFM)	E.S.P.	DRIVE	RPM	FAN HP	ELECTRICAL DATA			SONES	REMARKS
										VOLTAGE	PHASE	HZ		
EF-1	GREENHECK	CSP-A390	RESTROOMS	SQUARE INLINE CENTRIFUGAL FAN	300	0.59	DIRECT	1350	0	208 V	1	60	4.5	ALL

- REMARKS:
- PROVIDE SINGLE POINT CONNECTION.
 - FAN TO BE MOUNTED UP AGAINST LOUVER.
 - REFER TO EXHAUST FAN CONTROLS FOR CONTROLS.

LOUVER SCHEDULE													
MARK	MANUFACTURER	MODEL #	SERVICE	DEPTH (IN)	CFM	WIDTH (IN)	HEIGHT (IN)	FREE AREA	VELOCITY (FFM)	APD (IN. WG.)	BIRD SCREEN	DRAINABLE BLADE	REMARKS
L-1	GREENHECK	EDK-402	EF-1	4	300	16	16	0.6	460	0.03	Yes	Yes	ALL

- REMARKS:
- ARCHITECT TO SELECT COLOR. PROVIDE FULL COLOR PALETTE.
 - PROVIDE GRAVITY BACKDRAFT DAMPER.

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FLUVANNA COUNTY
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 PALMYRA, VA 22963

PROFESSIONAL ENGINEER
 BRYAN LEE HANSEN

MECHANICAL SCHEDULES, DETAILS, AND CONTROLS

PROJECT
 Fluvanna Co.

PLT SCALE
 1/8" = 1'-0"

FILENAME:

DATE
 AUGUST 28, 2020

M-200

TAGGED NOTES

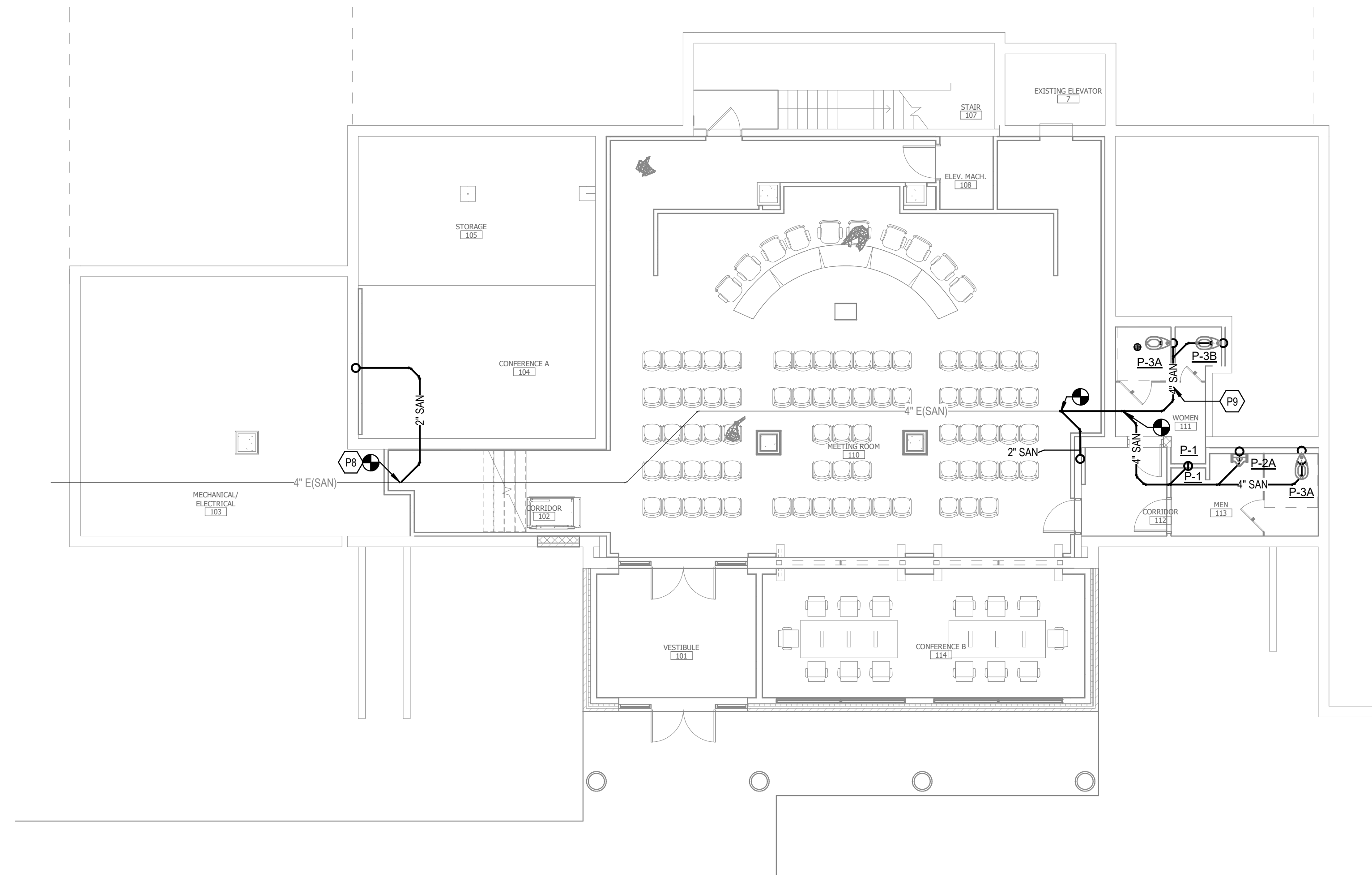
- P8 TRENCH DOWN TO INSTALL NEW SANITARY PIPE AND CONNECT TO EXISTING MAIN.
- P9 REWORK EXISTING UNDERGROUND PIPING AND INSTALL NEW SANITARY LINES.

#

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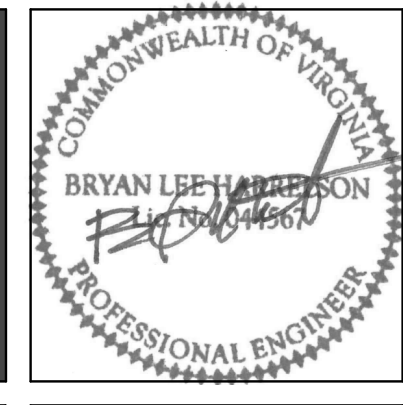
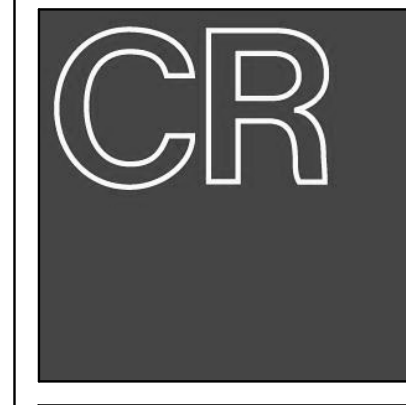
NO.	DATE	DESCRIPTION OF CHANGES



1 PLUMBING NEW WORK UNDERGROUND PLUMBING PLAN
P-100
1/8" = 1'-0"

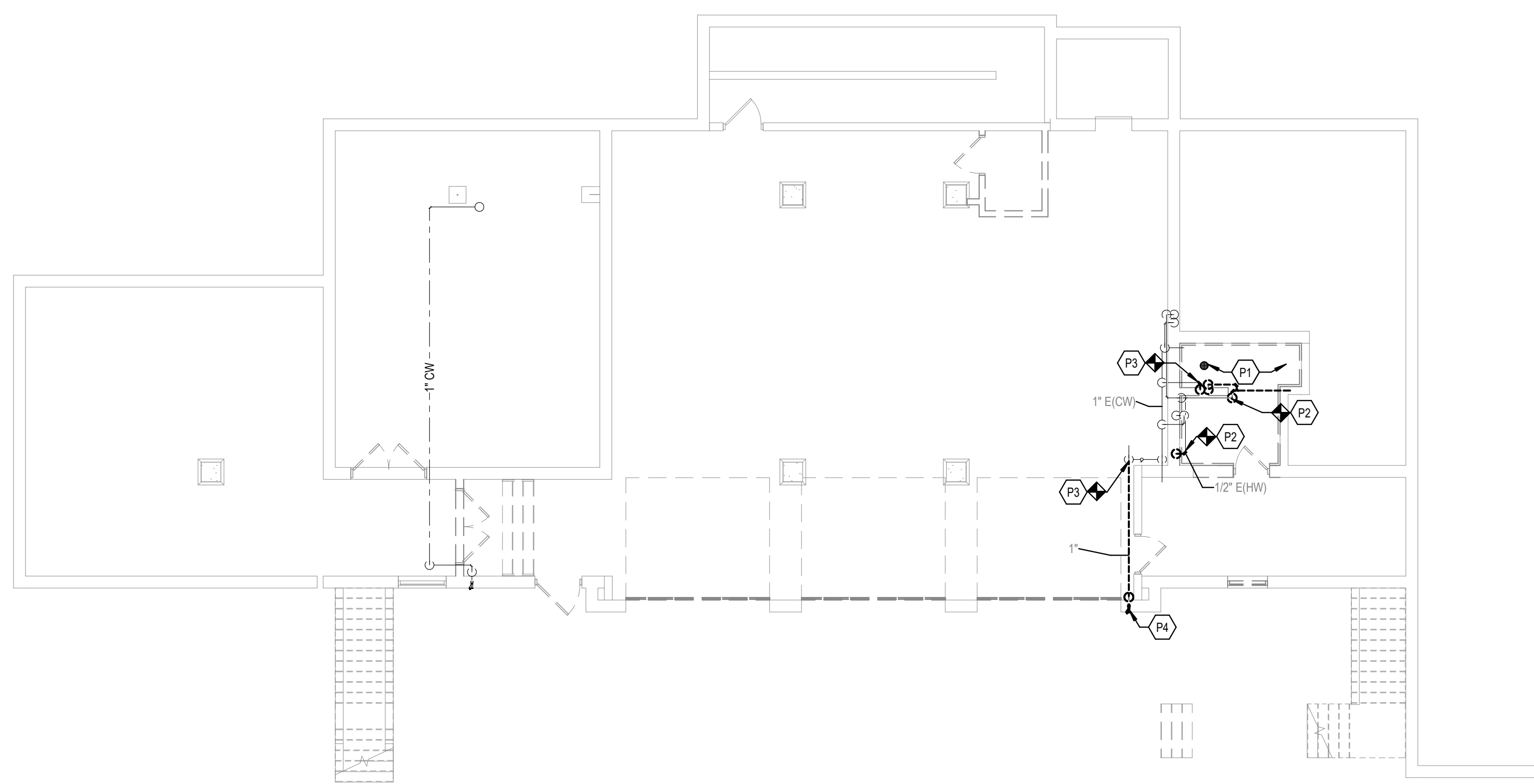
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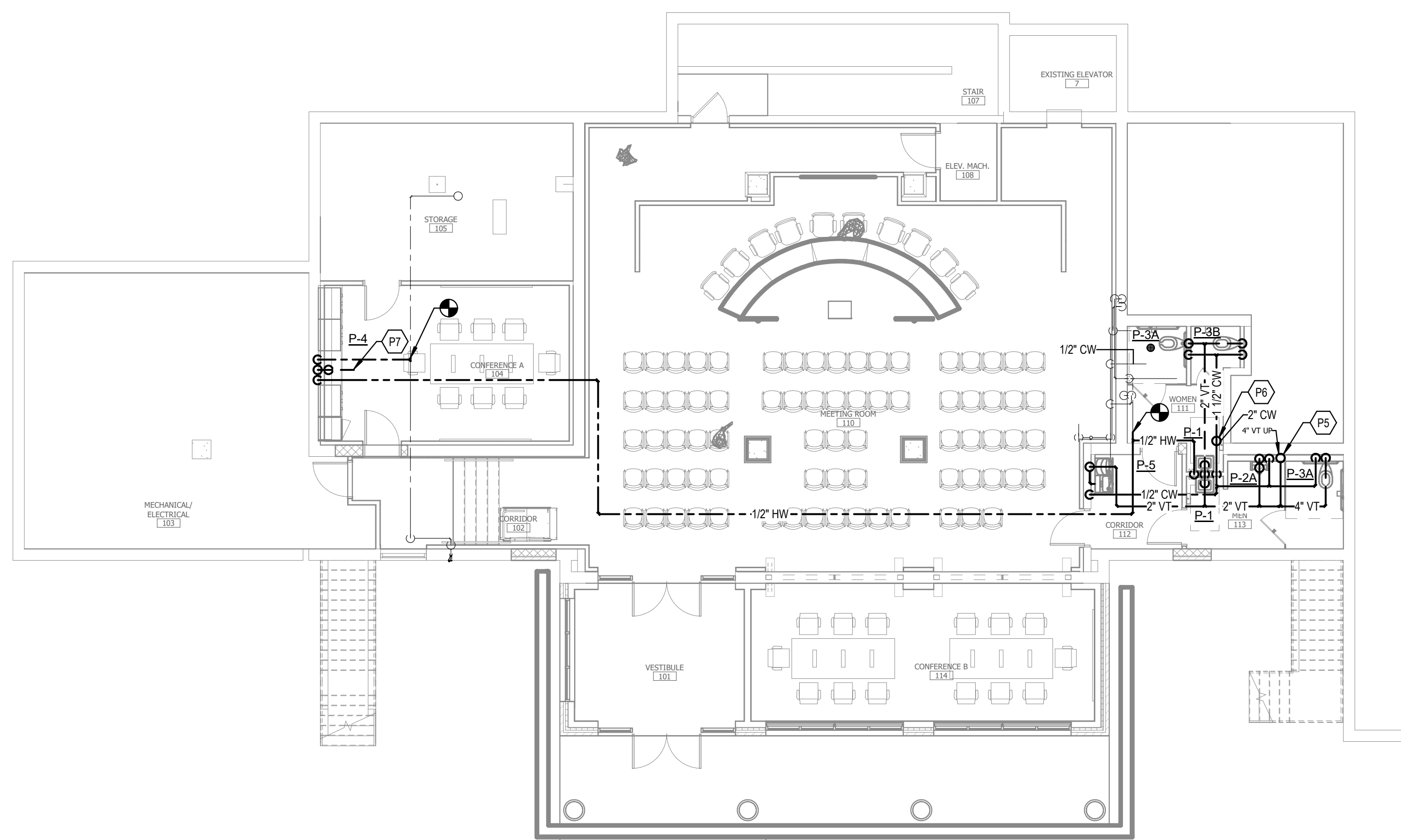


UNDERGROUND PLUMBING PLAN
 PLOT SCALE: 1/8" = 1'-0"
 FILENAME:
 DATE: AUGUST 28, 2020

PROJECT
 Fluvanna Co.
P-100



1 PLUMBING DEMOLITION PLAN
P-101
1/8" = 1'-0"



2 PLUMBING NEW WORK PLAN
P-101
1/8" = 1'-0"

TAGGED NOTES

- P1 DEMOLISH EXISTING SHOWER AND WATER CLOSET. SHOWER DRAIN TO BE
- P2 REMOVE DOMESTIC HOT WATER PIPING BACK TO POINT INDICATED. SEE NEW WORK PLAN FOR NEW CONNECTION.
- P3 REMOVE DOMESTIC COLD WATER PIPING BACK TO POINT INDICATED. SEE NEW WORK PLAN FOR NEW CONNECTION.
- P4 REMOVE EXISTING WALL HYDRANT. SEAL EXTERIOR WALL TO MATCH EXISTING.
- P5 4" VENT GOING UP TO THE LEVEL ABOVE. COORDINATE VENTING CONNECTION LOCATION WITH THE EXISTING VENTING ABOVE.
- P6 ROUTE A NEW 2" DOMESTIC COLD WATER LINE FROM THE FIRST LEVEL DOWN TO THE BASEMENT LEVEL.
- P7 COORDINATE VENT CONNECTION WITH EXISTING VENTS ON THE LEVEL ABOVE.

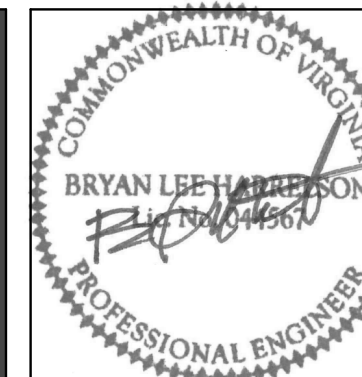
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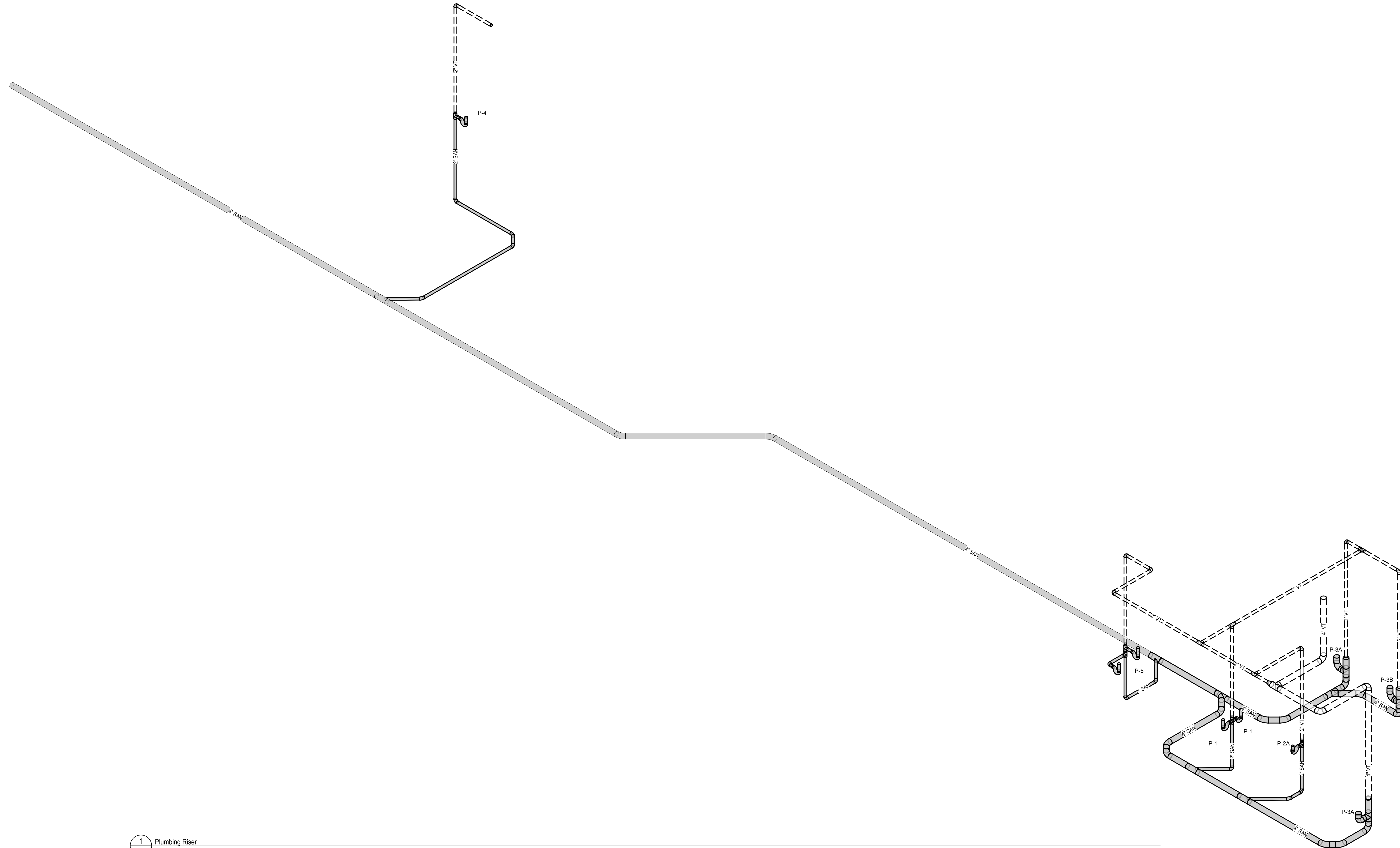
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FIRST FLOOR PLUMBING PLAN
 PLOT SCALE: 1/8" = 1'-0"
 FILENAME:
 DATE: AUGUST 28, 2020

PROJECT
 Fluvanna Co.
P-101



1 Plumbing Riser
P-200

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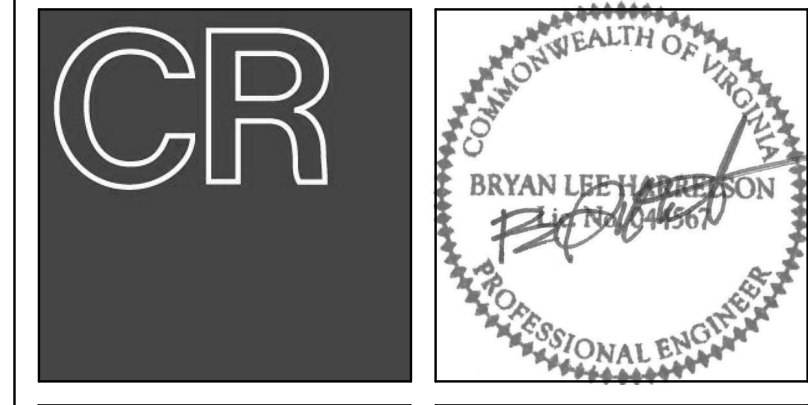
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PLUMBING RISER	PROJECT Fluvanna Co.
PLOT SCALE:	P-200
FILENAME:	
DATE: 08/28/20	

AV EQUIPMENT SCHEDULE					
TAG	DESCRIPTION	MANUFACTURER	MODEL	MOUNT MODEL	QUANTITY
CAM-1	VIDEOTELECONFERENCING CAMERA	VADDIO		CEILING	4
CP-1	WALL MOUNTED CONTROL PANEL	KRAMER			3
FPD-55	55" 4K COMMERCIAL FLAT PANEL DISPLAY WITH RS-232 AND CEC CONTROL	LG	55UT64050UA	CHIEF FUSION	6
FPD-75	75" 4K COMMERCIAL FLAT PANEL DISPLAY WITH RS-232 AND CEC CONTROL	LG	75UT64050UA	CHIEF FUSION	2
FPD-86	86" 4K COMMERCIAL FLAT PANEL DISPLAY WITH RS-232 AND CEC CONTROL	LG	86UT64050UA	CHIEF FUSION	2
IP-1	TABLE MOUNTED INPUT PLATE	KRAMER		TABLE	13
MIC-1	2' X 2' CEILING MOUNTED MICROPHONE ARRAY	SHURE	MXA910	CEILING	3
MIC-2	TABLE MOUNTED MICROPHONE	SHURE		TABLE	10
R-1	AUDIOVISUAL RACK	MIDDLE ATLANTIC PRODUCTS			1
SPK-1	CEILING MOUNTED LOUDSPEAKER	JBL	CONTROL 26CT	CEILING	10
WB-1	FLAT PANEL DISPLAY WALLBOX	CHIEF	PACS25F	N/A	4

GENERAL AV NOTES:

1. SCOPE

A. AUDIOVISUAL SCOPE OF WORK SHALL INCLUDE:

- A. INSTALLATION AND TESTING OF ALL AUDIOVISUAL CABLING AND EQUIPMENT, INCLUDING BUT NOT LIMITED TO MONITORS, AUDIO COMPONENTS, MATRIX SWITCHES, DISTRIBUTION AMPLIFIERS, EQUALIZERS, CENTRAL CONTROLLERS, INTERFACES, EQUIPMENT RACKS, AND HARDWARE. ANY ITEMS NOT CALLED OUT THAT ARE NECESSARY FOR A COMPLETE AND FUNCTIONING AV SYSTEM PER DESIGN INTENT SHALL BE INCLUDED.
- B. AUDIOVISUAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR POWER AND CONDUIT REQUIREMENTS.
- C. AUDIOVISUAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR FOR INSTALLATION OF WALL MOUNTED PLYWOOD FOR DEVICES AND MOUNTING OF DISPLAYS.
- D. AUDIOVISUAL CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS FOR MOUNTING OF MONITORS AND DISPLAYS.
- E. AUDIOVISUAL CONTRACTOR SHALL PROVIDE AND INSTALL J-HOOKS OR SIMILAR CABLE MANAGEMENT IN AREAS THAT HAVE TILE CEILINGS.

B. GENERAL CONTRACTOR SCOPE OF WORK SHALL INCLUDE:

- A. INSTALLATION OF ALL CONDUITS, BACK BOXES, CONDUIT STUB-UPS, GROUND BARS, GROUNDING EQUIPMENT, AND POWER FOR AUDIOVISUAL EQUIPMENT. COORDINATE WITH ELECTRICAL DRAWINGS.
- B. INSTALLATION OF FLOOR BOXES OR RACEWAY AS SHOWN ON DRAWINGS.
- C. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL AUDIOVISUAL INSTALLATION AND OVERSIGHT.

2. GENERAL CONDITIONS

- A. ALL AUDIOVISUAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ANSI/TIA - 568C "COMMERCIAL BUILDING TELECOMMUNICATIONS CABLING STANDARD", TIA - 569B "COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATIONS PATHWAYS AND SPACES", EIA/TIA - 606 "ADMINISTRATION STANDARD FOR THE TELECOMMUNICATIONS INFRASTRUCTURE OF COMMERCIAL BUILDINGS", EIA/TIA - 607 "COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS", TIA/EIA - 75 HORIZONTAL PATHWAYS, AND BICSI "TELECOMMUNICATIONS DISTRIBUTION MANUAL".
- B. THE DRAWINGS, WHICH CONSTITUTE A PART OF THIS CONTRACT, INDICATE THE GENERAL ARRANGEMENT OF CABLING AND OUTLETS, LOCATIONS OF EQUIPMENT, AND OTHER WORK. ALL ITEMS NOT SPECIFICALLY MENTIONED HEREIN, WHICH ARE NECESSARY FOR A COMPLETE AUDIOVISUAL SYSTEM SHALL BE INCLUDED AT NO ADDITIONAL COST.
- C. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS TO BECOME FAMILIAR WITH ALL ASPECTS OF THESE DESIGNS AFFECTING THIS WORK. THE AUDIOVISUAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL OTHER TRADES AND IS REQUIRED TO ATTEND SCHEDULED WEEKLY MEETINGS.
- D. ALL AUDIOVISUAL MATERIAL SHALL BE NEW, DEFECTIVE EQUIPMENT OR EQUIPMENT THAT IS DAMAGED IN THE COURSE OF INSULATION OR TESTING SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING THE APPROVAL OF THE OWNER. WHERE APPLICABLE, ALL EQUIPMENT SHALL BE IN ACCORDANCE WITH NEMA AND UL STANDARDS.
- E. ALL WORK SHALL BE SUBJECT TO APPROVAL OF THE OWNER OR THE OWNER'S AUTHORIZED REPRESENTATIVE.
- F. ALL WORK SHALL BE INSTALLED IN A NEED AND WORKMAN LIKE MANNER. ALL SPACES SHALL BE LEFT CLEAN, SWEEPED AND FREE OF ANY DEBRIS, SCRATCHES, OR MARKINGS.
- G. WHERE CABLING AND OR CONDUIT PASSES THROUGH FIRE RATED PARTITIONS OR SLABS, INSTALL FIRE STOP MATERIALS RATED TO MEET OR EXCEED THE RATING OF THE STRUCTURE PENETRATED. FIRE STOP MATERIALS SHALL HAVE BEEN TESTED FOR UL 1479 AND ASTM E-814. FOR SLEEVES, INSTALL EITHER A MECHANICAL FIRE STOP, INTUMESCENT FIRE STOP PILLOWS OR A COMBINATION OF INTUMESCENT PUTTY AND MINERAL WOOD/CERAMIC FIBER. FOR SLOTS OR LARGER OPENINGS, INSTALL EITHER A MECHANICAL FIRE STOP OR A RATED ASSEMBLY SUITABLE FOR THE TYPE OF OPENING TO BE PROTECTED.

3. PATHWAY REQUIREMENTS

- A. INSTALL AUDIOVISUAL CABLES IN WALLS USING CONDUIT STUB UPS AS SHOWN ON DRAWINGS.
- B. INSTALL AUDIOVISUAL CABLES IN CEILING USING CONDUIT AND/OR J-HOOKS AS SHOWN ON DRAWINGS.
- C. ROUTE ALL CABLES INSIDE FURNITURE USING ACCESS AREAS PROVIDED BY THE MANUFACTURER. COORDINATE WITH FURNITURE INSTALLER.
- D. OBTAIN WRITTEN PERMISSION FROM STRUCTURAL ENGINEER PRIOR TO PENETRATING SLABS OR LOAD BEARING WALLS.

4. INSTALLATION PRACTICES

- A. MANUFACTURER AND TIAA 568B RECOMMENDATIONS FOR CABLING BEND RADIUS SHALL BE FOLLOWED AT ALL TIMES.
- B. DO NOT EXCEED THE MAXIMUM PULLING TENSION SPECIFIED FOR COPPER CABLE BY ITS MANUFACTURER.
- C. ALL TIE WRAPS SHALL BE PLENUM RATED VELCRO WRAPS. PLASTIC TIE WRAPS ARE NOT PERMITTED.
- D. TIE WRAPS SHALL NOT INCREASE THE TENSION OF THE CABLE OR OF ANY INDIVIDUAL PAIRS WITH IN A CABLE. ANY TIE WRAPS CINCHED SO TIGHTLY AS TO CAUSE AN INDENTATION OR DECREASE IN CABLE DIAMETER SHALL BE REMOVED. ALL TIE WRAPS SHALL BE LOOSE ENOUGH TO MOVE OR SLIDE WITHOUT MOVING THE CABLE. EACH TIE WRAP SHALL HAVE 1/4 - 1/2 INCH SLACK, SO AS TO ALLOW A FINGER TO PASS UNDER IT. AMOUNT OF THE TIE WRAPS USED SHALL BE MINIMIZED AND PLACED WITH VARYING SPACING. EVENLY SPACED TIE WRAPS CAN REDUCE CABLE PLANT PERFORMANCE.
- E. MAINTAIN THE SHEATH OF EACH INDIVIDUAL CABLE UP TO THE POINT OF TERMINATION BY REMOVING ONLY AS MUCH CABLE SHEATH AS NECESSARY AND PRACTICAL TO TERMINATE THE CABLES.
- F. ALL AUDIOVISUAL CABLING INSTALLED IN CEILING SHALL BE PLENUM RATED.
- G. SUPPORT CABLE OFF THE FLOOR UNTIL TERMINATION. CABLING THAT HAS BEEN WALKED ON SHALL BE REPLACED.
- H. AUDIOVISUAL WORK SHALL BE SEQUENCED TO AVOID ANY WORK ABOVE INSTALLED CEILING TILES OR OVER INSTALLED FURNITURE/CASEWORK.

5. CABLING

- A. SUPPORT ALL AV CABLES ON J HOOKS OR ROUTE IN CONDUIT AS SHOWN ON THE DRAWINGS.
- B. AUDIOVISUAL CONTRACTOR SHALL PROVIDE ADEQUATE LENGTH OF CABLING AT EQUIPMENT LOCATIONS TO FACILITATE MOVEMENT OF EQUIPMENT FOR MAINTENANCE WITHOUT REMOVING CABLES.
- C. IN CONFERENCE AREAS, AUDIOVISUAL CONTRACTOR SHALL PROVIDE AND INSTALL CONNECTORS AND CABLES TO FLOOR BOXES, OUTLETS, AND POKE THRU'S AS SHOWN ON DRAWINGS. PROVIDE INSERTS AND COORDINATE WITH TELECOM INSTALLER.
- D. COORDINATE ALL CABLE JACKET COLORS WITH THE OWNER AND OTHER TRADES.
- E. STRUCTURED CABLING CONTRACTOR MUST COORDINATE BACK BOXES, CONDUIT, SLEEVES, ETC.
- F. ALL DATA, VOICE AND CATV/SATV CABLING, FACE PLATES, CONNECTORS, JACKS AND PATCH CABLES REQUIRED FOR THE AUDIOVISUAL SYSTEM SHALL BE PROVIDED AND INSTALLED BY THE STRUCTURED CABLING CONTRACTOR.
- G. ALL CABLING SUPPORTS FOR THE DATA, VOICE AND CATV/SATV CABLING FOR AUDIOVISUAL SYSTEMS SHALL BE PROVIDED AND INSTALLED BY THE STRUCTURED CABLING CONTRACTOR.

6. CONDUIT

- A. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL METALLIC CONDUIT WITH MY FLOORS AS SHOWN ON DRAWINGS.
- B. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL PULL BOXES AS SHOWN ON DRAWINGS.
- C. COORDINATE WITH THE INSTALLATION OF ELECTRICAL AND MECHANICAL CONDUITS AND HVAC DUCTWORK SHARING THE SAME CEILING AREA.
- D. REMOVE ALL SHARP EDGES AND BURRS FROM END OF CONDUITS AND FIT WITH BUSHINGS.

7. GROUNDING

- A. THE AUDIOVISUAL CONTRACTOR SHALL GROUND ALL EQUIPMENT RACKS TO ELECTRICAL CONTRACTOR SUPPLIED GROUND BUS BAR.
- B. ALL GROUND WIRES AND CABLES SHALL BE TERMINATED IN CONNECTORS PER EXCEPTED PRACTICES. UNDER NO CIRCUMSTANCES SHALL DRAIN WIRES BE CUT. ANY DIFFICULTIES DUE TO GROUND POTENTIAL DIFFERENCES ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER.

8. SYSTEM AND PROGRAMMING

- A. THE AUDIOVISUAL CONTRACTOR SHALL PROVIDE COMPLETE SYSTEM PROGRAMMING FOR THE CONTROLLERS AND ALL DEVICES INSTALLED. PROGRAMMING SHALL BE ACCOMPLISHED IN COORDINATION WITH TENANTS. PROJECT SHOULD NOT BE DEEMED COMPLETE AND EXCEPTED WITHOUT TENANT APPROVAL OF THE PROGRAMMING AND INTERFACES.
- B. THE AV CONTRACTOR SHALL PROVIDE ALL PROGRAMMING SOURCE CODE TO THE OWNER UPON COMPLETION OF THE PROJECTION.
- C. THE AV CONTRACTOR SHALL CREATE AND PROVIDE FIVE ELECTRONIC USB THUMB DRIVE COPIES OF USER MANUALS DESCRIBING THE OPERATION OF EACH TYPE OF SYSTEM.
- D. THE AV CONTRACTOR SHALL PROVIDE TRAINING FOR AT LEAST FIVE REPRESENTATIVES OF THE OWNER FOR EACH TYPE OF SYSTEM. TRAINING SHALL BE A MINIMUM OF FOUR (4) HOURS PER PERSON.
- E. OWNER WILL REQUIRE A FULL-FUNCTIONAL COMMISSIONING TEST DEMONSTRATING OPERATION OF ALL DEVICES PRIOR TO SYSTEM ACCEPTANCE.
- F. ALL PROJECTORS SHALL HAVE A SCHEDULED SHUT OFF PROGRAM TO PRESERVE LIFE. COORDINATE WITH TENANT FOR SHUT OFF SCHEDULE.
- G. ALL NETWORK SWITCHES, ROUTERS, PATCHING AND CONFIGURATION OF THE OWNERS NETWORK (FOR THE AUDIOVISUAL SYSTEMS) SHALL BE PROVIDED, INSTALLED AND CONFIGURED BY THE OWNER.
- H. ALL VOIP INTEGRATION AND CONFIGURATION WITH THE OWNERS VOIP SERVER/PBX AND THE AUDIOVISUAL CONFERENCEING SIP ENDPOINTS SHALL BE PROVIDED BY THE OWNER.
- I. THE OWNER SHALL PROVIDE A RANGE (QTY TBD) OF STATIC IP ADDRESSES WITH A DEDICATED AUDIOVISUAL VLANS (QTY TBD) FOR THE AUDIOVISUAL SYSTEMS.

9. SITE VISIT

- A. PRIOR TO SUBMITTING BIDS, THE AUDIOVISUAL CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. THE AUDIOVISUAL CONTRACTOR SHALL NOTIFY THE ARCHITECT AND/OR THE ENGINEER IN ADVANCE OF ANY CONDITION THAT EXISTS THAT WOULD PREVENT THE WORK HEREIN SPECIFIED OR SHOWN ON THE DRAWINGS FROM BEING PERFORMED. FAILURE TO SURVEY THE SITE PRIOR TO BID AND START OF CONSTRUCTION WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO INSTALL DESIGN WITHIN THE CONFINES OF EXISTING CONDITIONS.

10. GUARANTEE

- A. THE AUDIOVISUAL CONTRACTOR SHALL LEAVE THE ENTIRE AUDIOVISUAL SYSTEM INSTALLED UNDER THIS CONTRACT IN PROPER WORKING ORDER AND SHALL, WITHOUT CHARGE, REPLACE ANY WORK OR MATERIALS WHICH DEVELOP DEFECTS, EXCEPT FROM ORDINARY WEAR AND TEAR, WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. BENEFICIAL USE SHALL NOT BE CONSTRUED AS FINAL ACCEPTANCE.
- B. THE AUDIOVISUAL CONTRACTOR SHALL, DURING THE ONE-YEAR GUARANTEE, BE RESPONSIBLE FOR THE PROPER REPAIR AND ADJUSTMENTS OF ALL AUDIOVISUAL SYSTEMS AND EQUIPMENT, APPARATUS, DEVICES, ETC., INSTALLED BY HIM, AND DO ALL WORK NECESSARY TO ENSURE EFFICIENT AND PROPER FUNCTIONING.
- C. PRIOR TO THE EXPIRATION OF THE GUARANTEE, APPROXIMATELY 11 MONTHS AFTER FINAL ACCEPTANCE OF THIS PROJECT, A POST-CONSTRUCTION REVIEW OF THE PROJECT WILL BE MADE. THE CONTRACTOR SHALL FURNISH PERSONNEL TO ASSIST THE OWNER IN THIS REVIEW. ANY ADJUSTMENTS, REPAIRS, OR REPLACEMENTS FOUND NECESSARY DURING REVIEW SHALL BE DONE BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
- D. THE AUDIOVISUAL CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL INCUR FINANCIAL RESPONSIBILITY FOR ANY DAMAGES CAUSED BY, OR RELATING FROM, DEFECTS IN HIS WORK.

11. RECORD DRAWINGS

- A. THE AV CONTRACTOR SHALL MAINTAIN AT THE SITE, FOR THE OWNER, ONE COPY OF ALL DRAWINGS, ADDENDA, APPROVED SHOP DRAWINGS, REVISIONS AND OTHER MODIFICATIONS, IN GOOD ORDER AND MARKED TO RECORD ALL CHANGES MADE DURING CONSTRUCTION. ONE SET OF DRAWINGS AND ANY OTHER INFORMATION SHALL BE DELIVERED TO THE OWNER VIA USB THUMB DRIVE UPON COMPLETION OF WORK.

DESCRIPTION	MOUNTING HEIGHT (TO CENTER OF BOX)	DRAWING SYMBOL
AUDIO / VISUAL FURNITURE		
LECTERN		
AUDIO SYSTEMS		
CEILING MOUNTED SPEAKER	CLG	
CEILING MOUNTED MICROPHONE ARRAY	CLG	
CONTROL SYSTEMS		
TRANSMITTER		
WALL INPUT PLATE		
CONTROL PANEL		
ROOM SCHEDULING PANEL		
DISPLAY SYSTEMS		
FLAT PANEL DISPLAY		
PROJECTION SCREEN		
VIDEO SYSTEMS		
PROJECTOR	CLG	
VIDEO TELECONFERENCING CAMERA		
RACK		
FLOOR MOUNTED DIGITAL SIGNAGE		
WALL BOX		
WALL BOX FOR FLAT PANEL DISPLAYS		

REVISIONS

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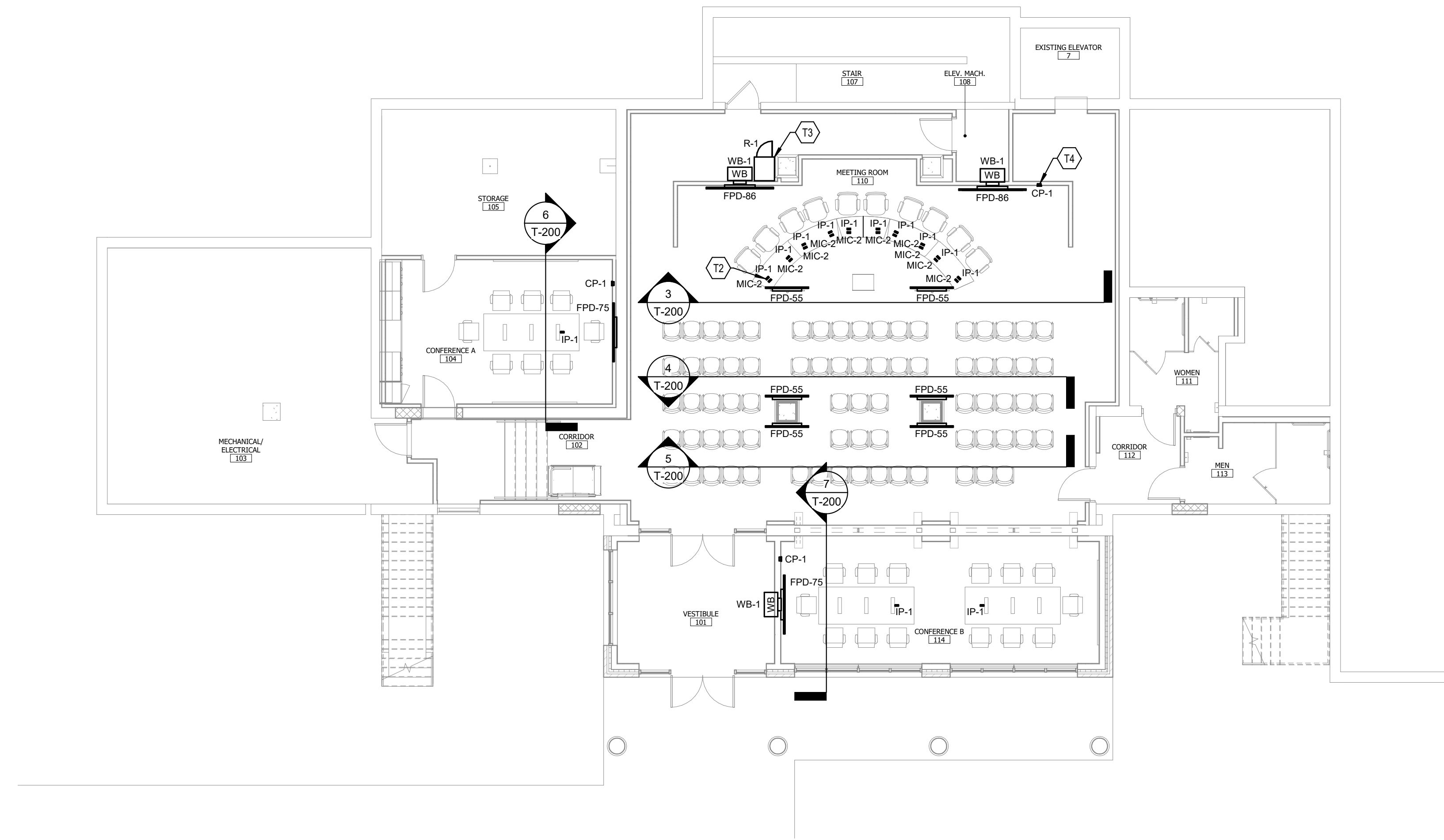


COMMUNICATIONS LEGEND	PROJECT Fluvanna Co.
PLOT SCALE N/A	T-001
FILENAME:	
DATE: AUGUST 28, 2020	

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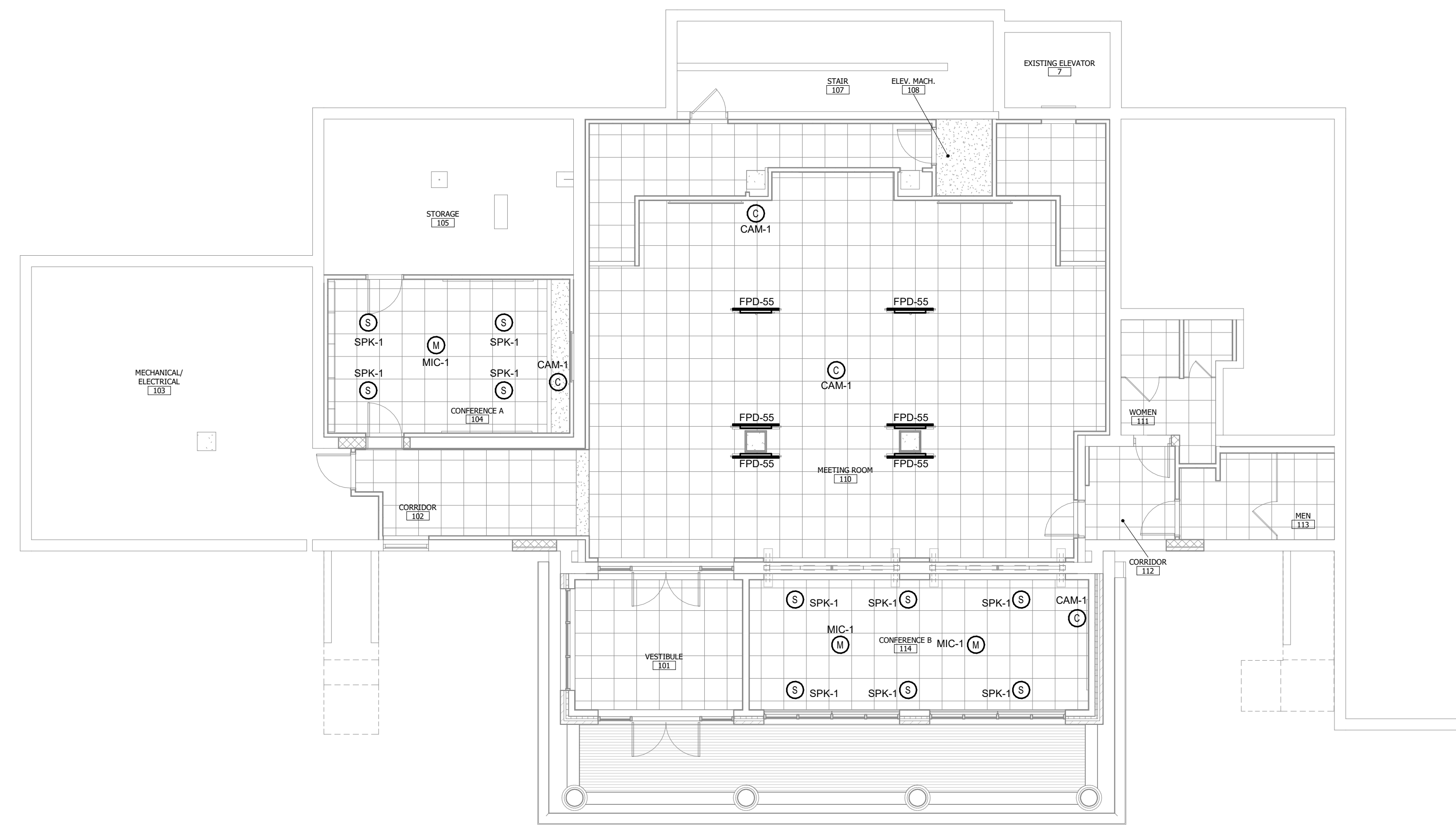
TAGGED NOTES

- T2 TYPICAL: PROVIDE HDMI INPUT AND MICROPHONE AT EACH CHAIR AT DESKS IN THE FRONT OF THE ROOM.
- T3 PROVIDE AUDIOVISUAL RACK AT THIS LOCATION. SEE AUDIOVISUAL EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- T4 TYPICAL: PROVIDE CONTROL PANEL AT THIS LOCATION. SEE AUDIOVISUAL EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.



1 AUDIOVISUAL FLOOR PLAN

SCALE: 1/8" = 1'-0"



2 AUDIOVISUAL CEILING PLAN

SCALE: 1/8" = 1'-0"



REVISIONS

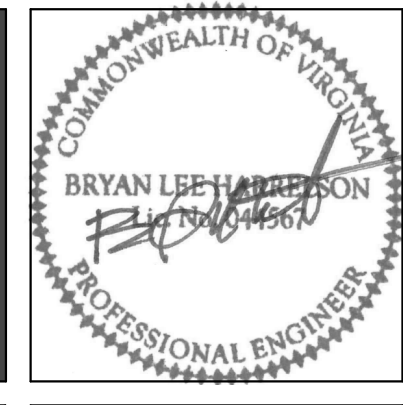
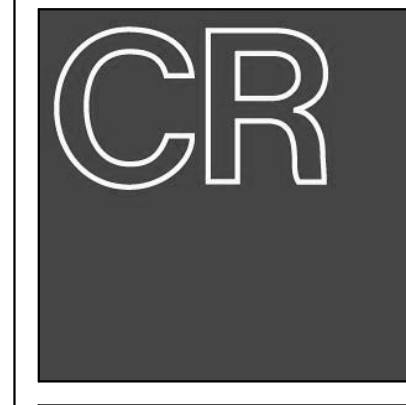
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AUDIOVISUAL PLANS

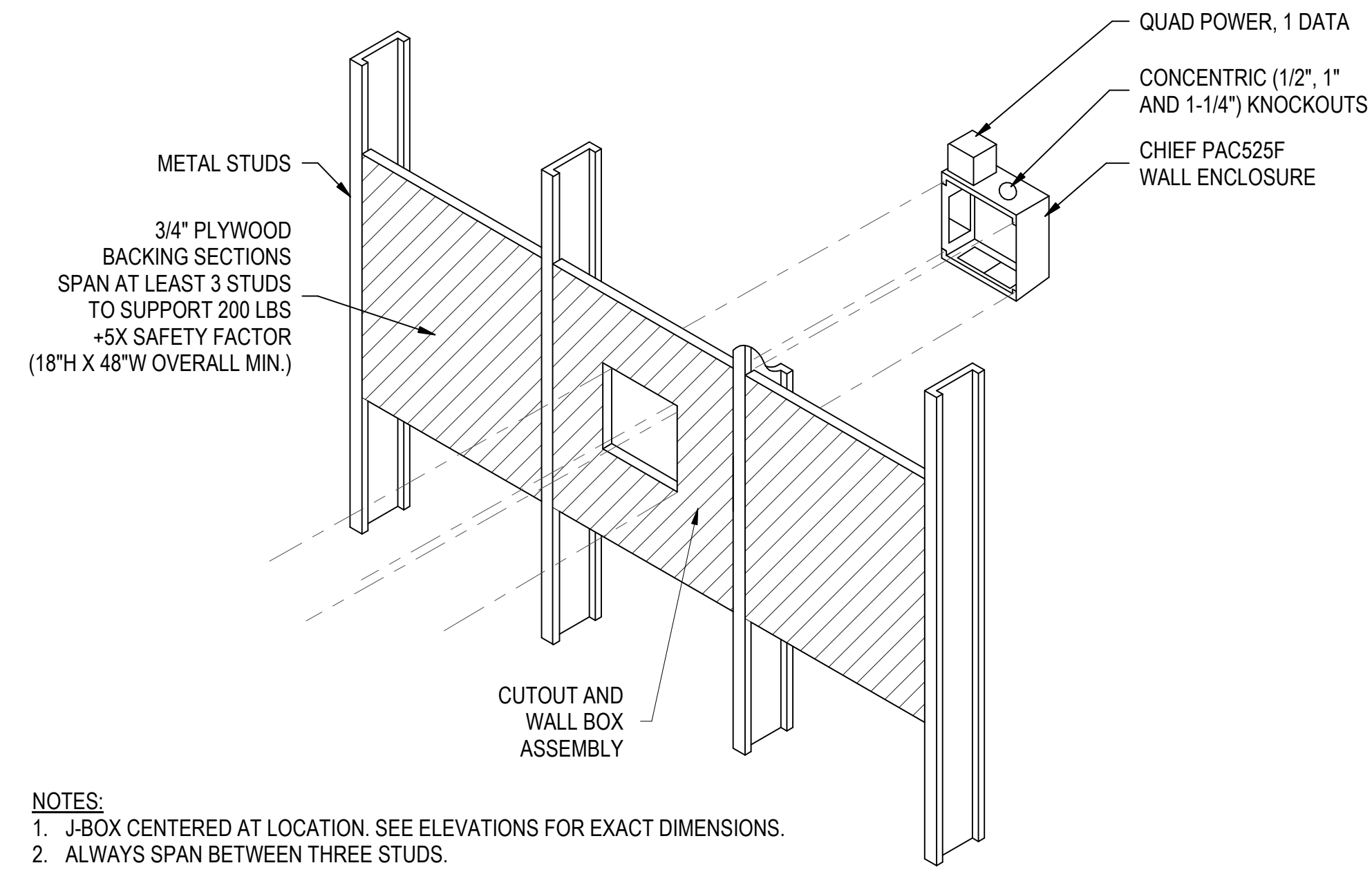
PLOT SCALE:
1/8" = 1'-0"

FILENAME:

DATE:
AUGUST 28, 2020

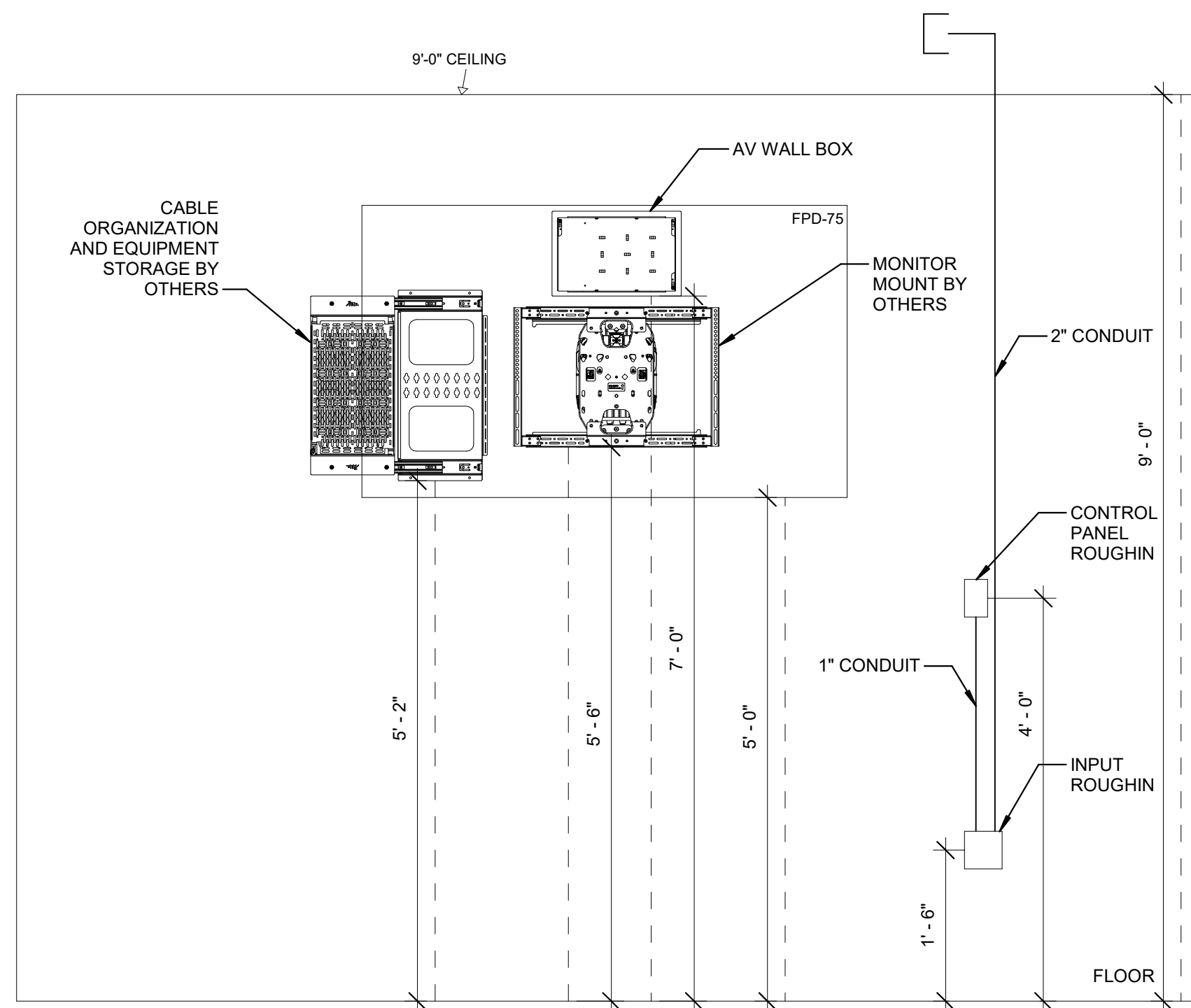
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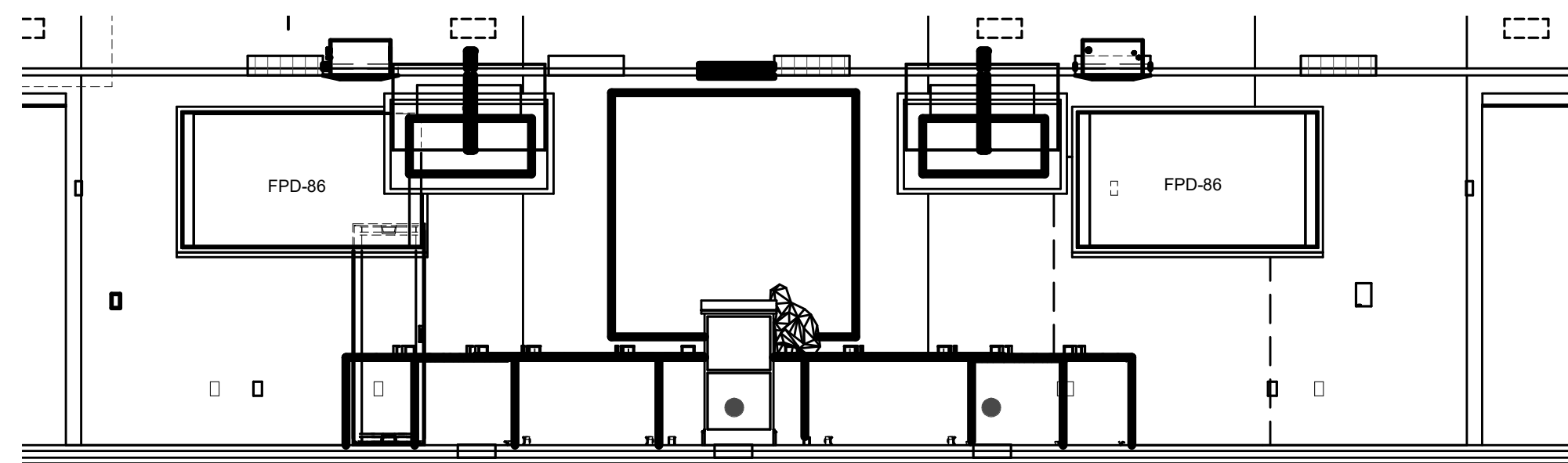


- NOTES:**
1. J-BOX CENTERED AT LOCATION. SEE ELEVATIONS FOR EXACT DIMENSIONS.
 2. ALWAYS SPAN BETWEEN THREE STUDS.
 3. SEE PARTITION TYPES FOR STUD SIZE AND GAUGE.
 4. VERIFY LOCATIONS OF BACKING WITH PLANS & ROOM ELEVATIONS.
 5. FASTEN BACKING FLUSH WITH FACE OF STUDS.
 6. FLAT PANEL DISPLAYS AND MOUNTING BRACKETS BY AV CONTRACTOR.

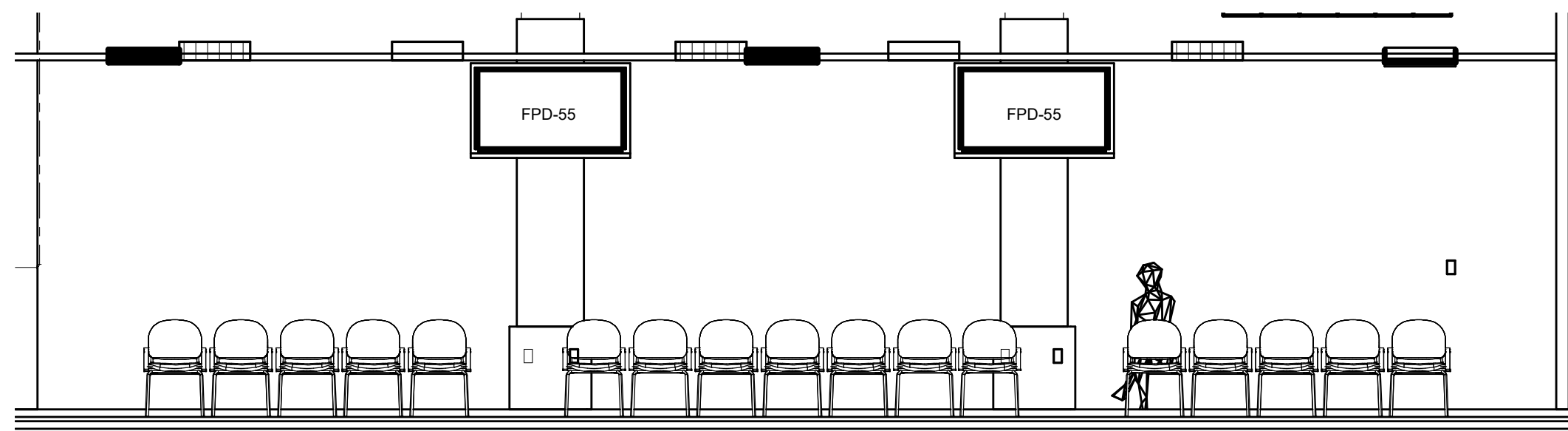
1 CHIEF PAC525F WALLBOX ROUGH-IN
SCALE: NONE



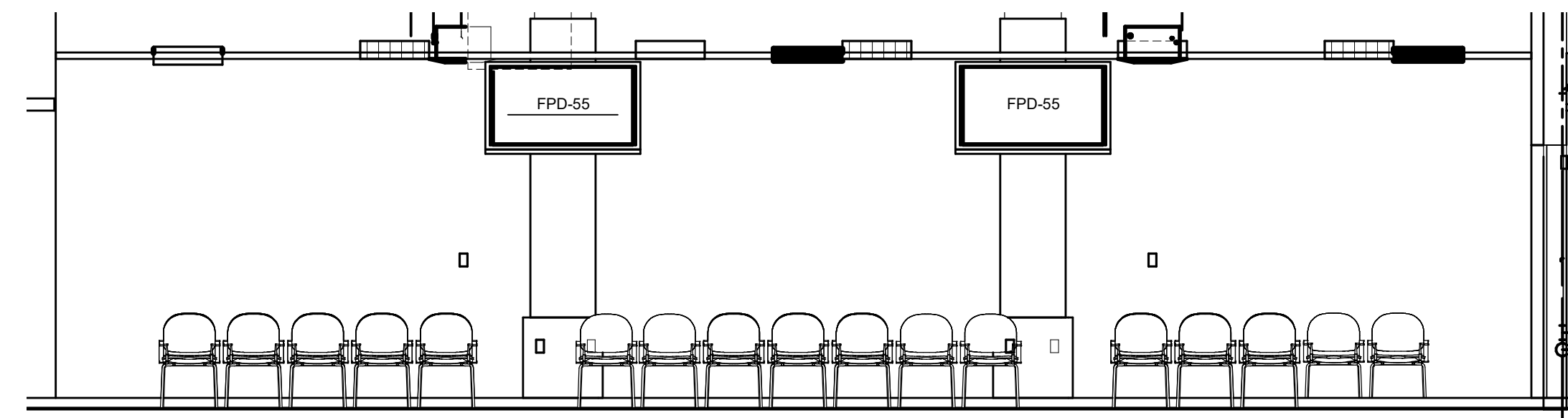
2 AV VISUAL DISPLAY ELEVATION FOR CONFERENCE ROOMS
SCALE: NONE



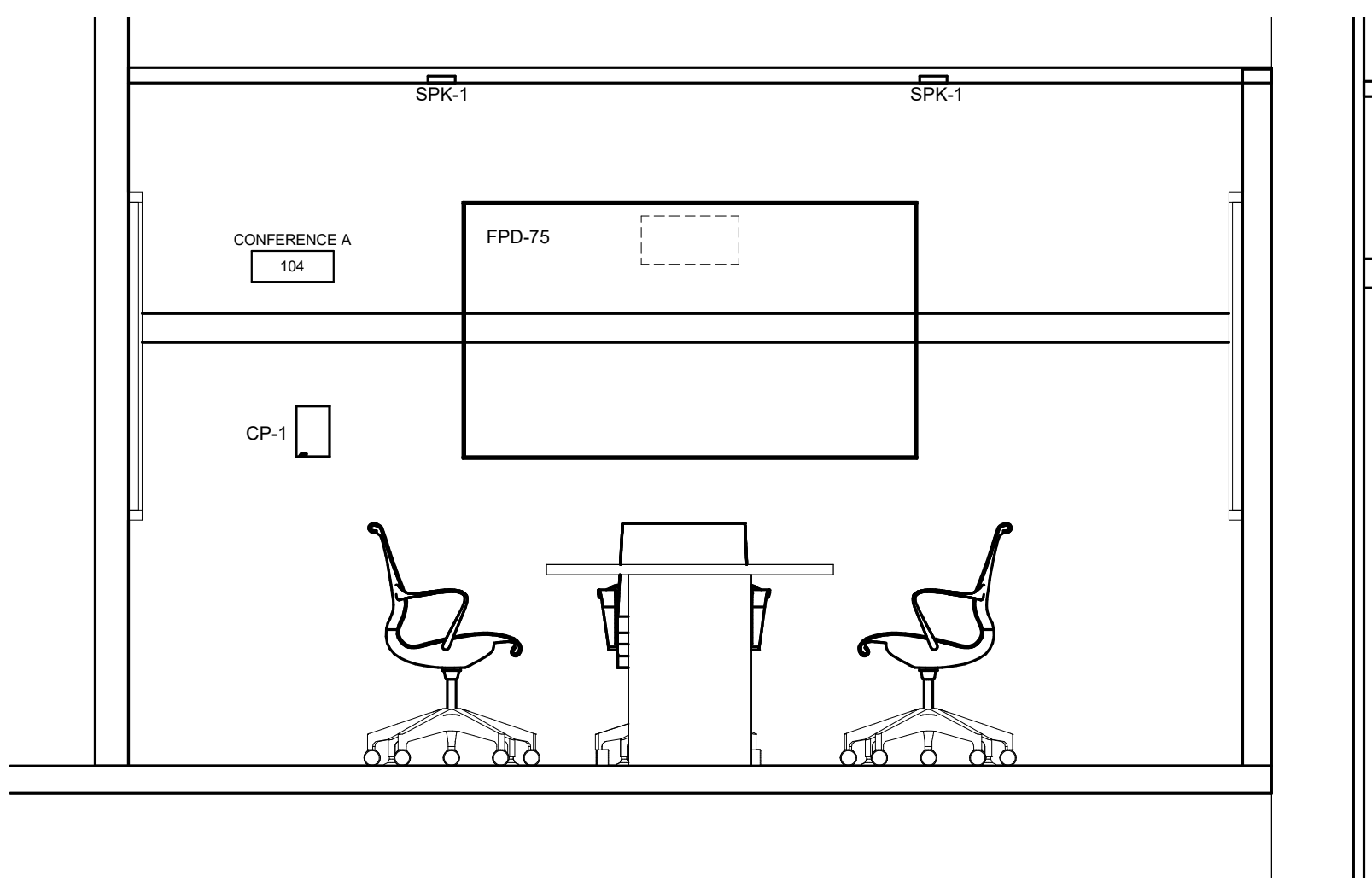
3 MEETING ROOM NORTH ELEVATION
SCALE: 1/4" = 1'-0"



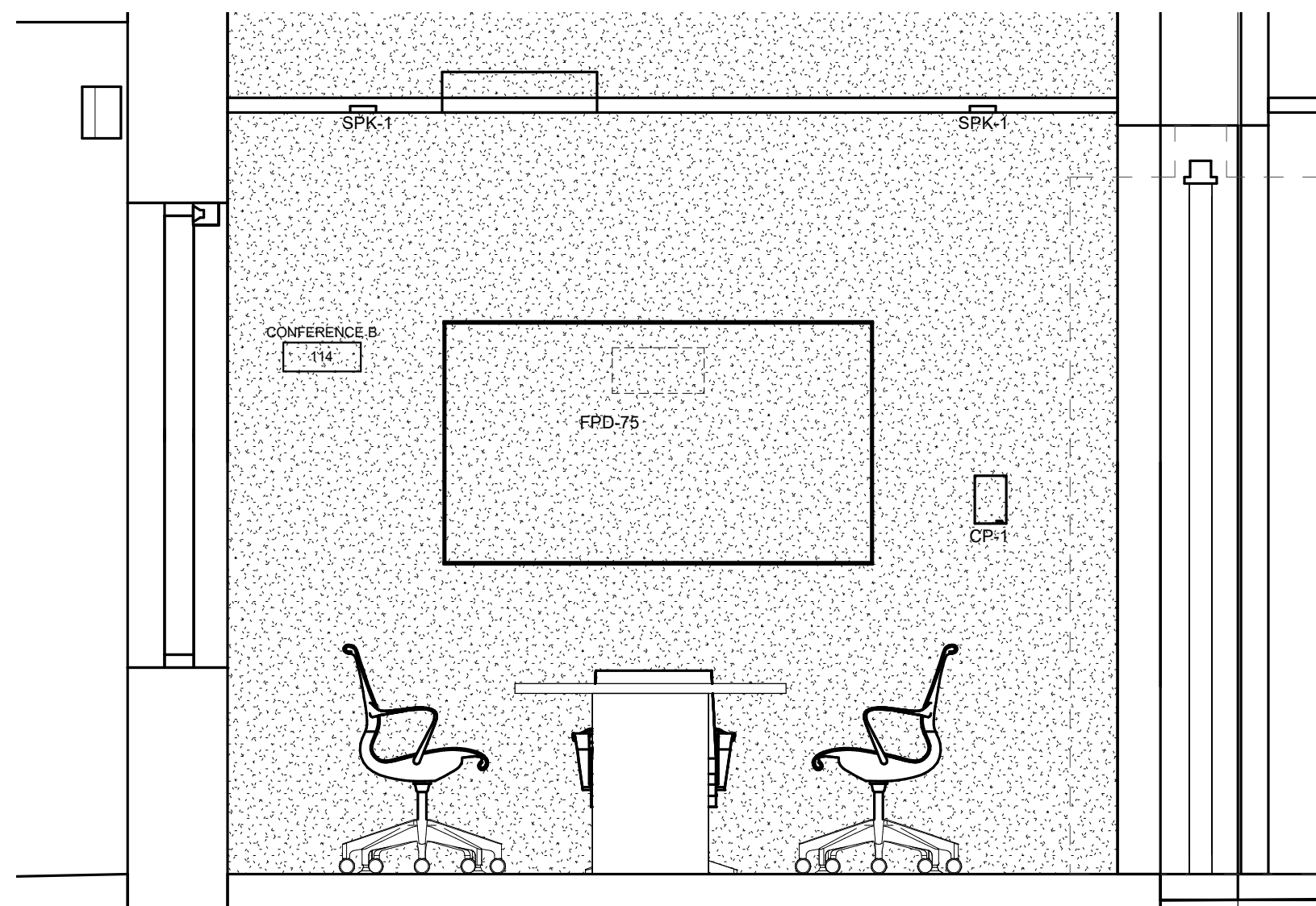
4 MEETING ROOM ELEVATION
SCALE: 1/4" = 1'-0"



5 MEETING ROOM SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



6 CONFERENCE A RM 104 ELEVATION
SCALE: 1/2" = 1'-0"



7 CONFERENCE B RM 114 ELEVATION
SCALE: 1/2" = 1'-0"

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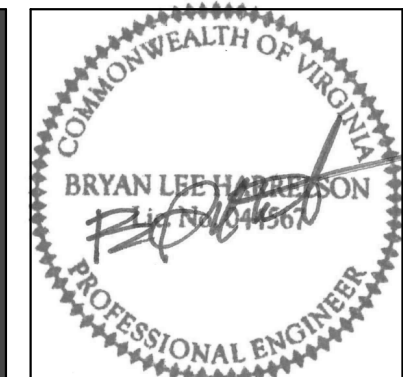
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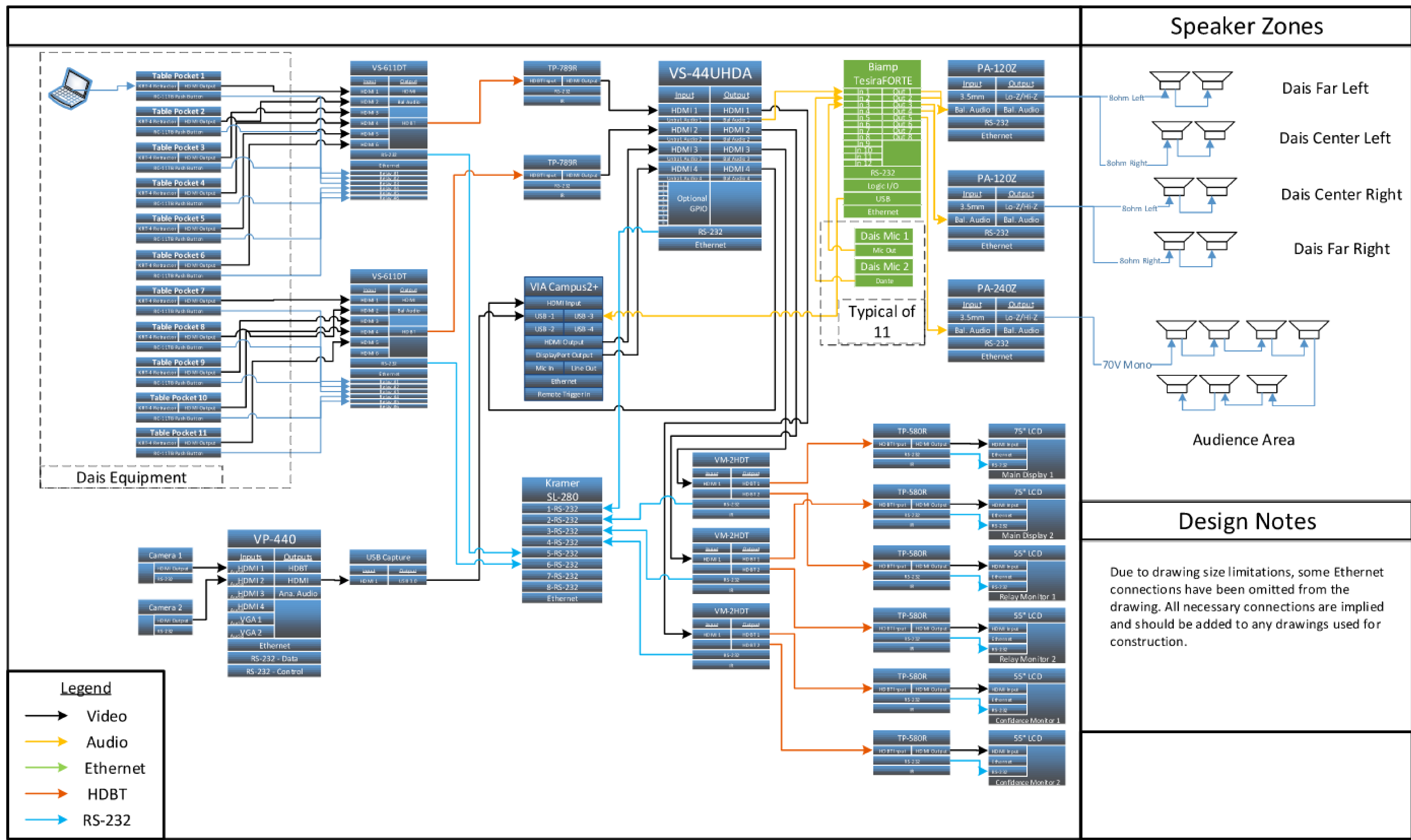
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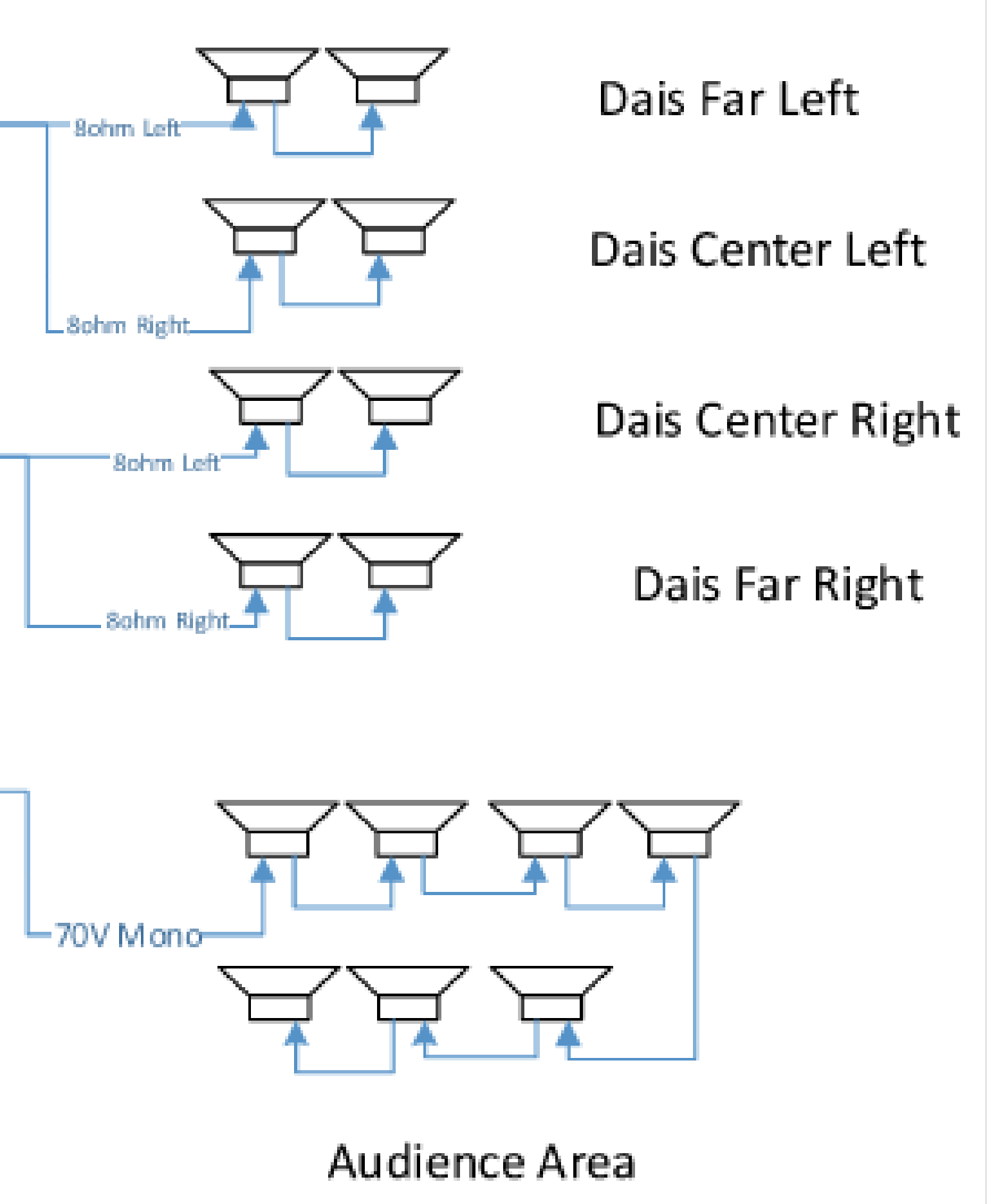
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PLOT SCALE:
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Speaker Zones



Design Notes

Due to drawing size limitations, some Ethernet connections have been omitted from the drawing. All necessary connections are implied and should be added to any drawings used for construction.

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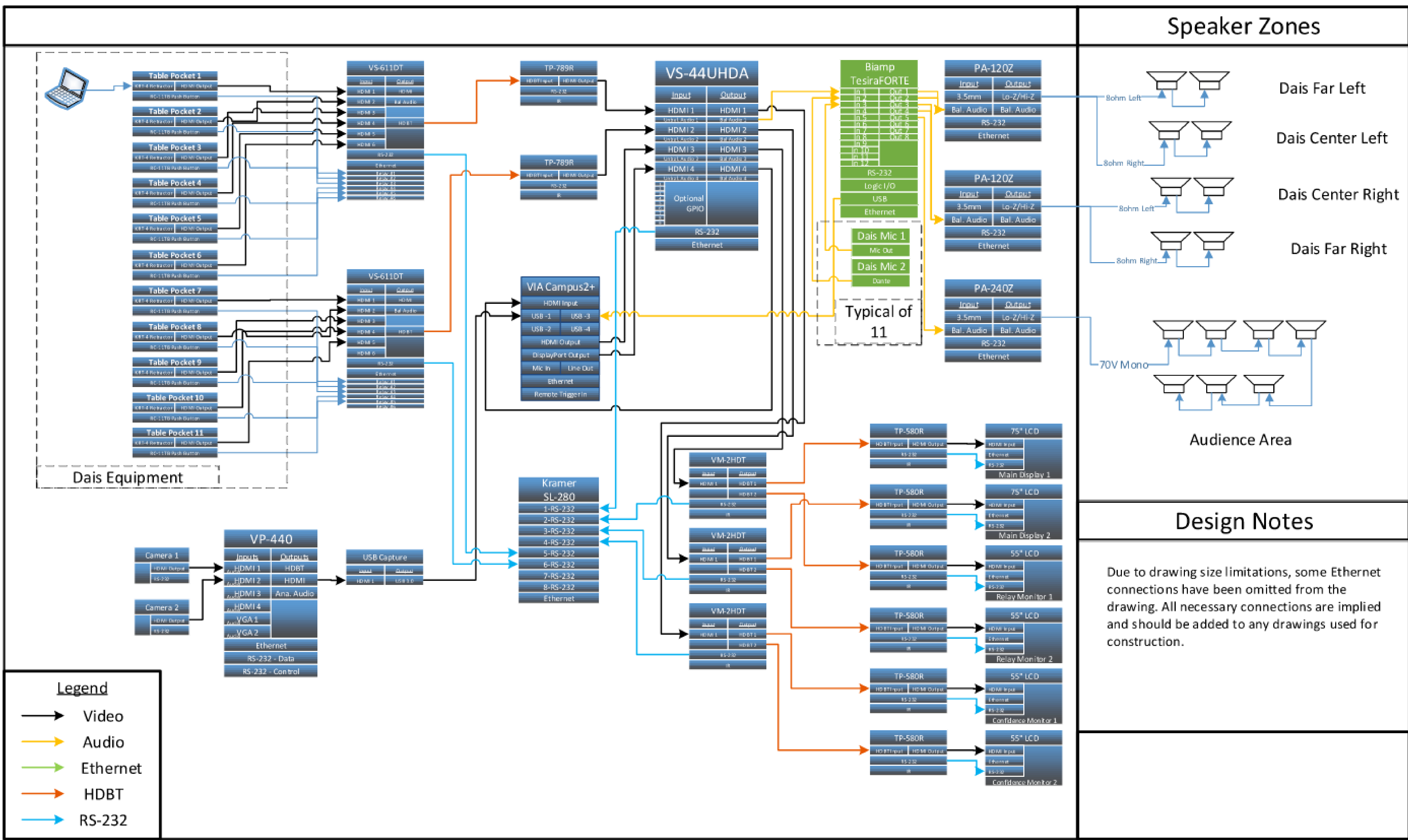
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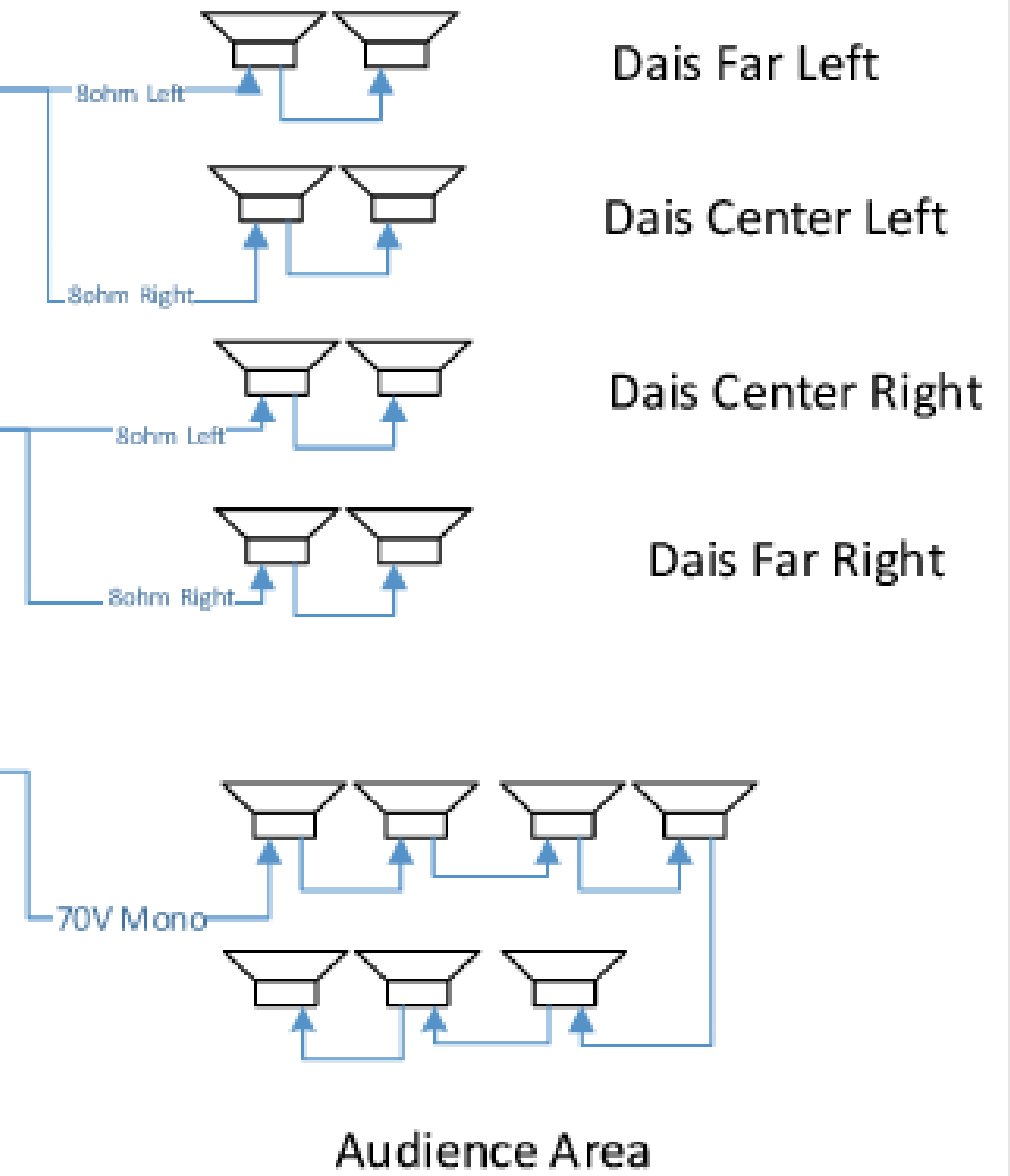


AUDIOVISUAL FLOW DIAGRAMS
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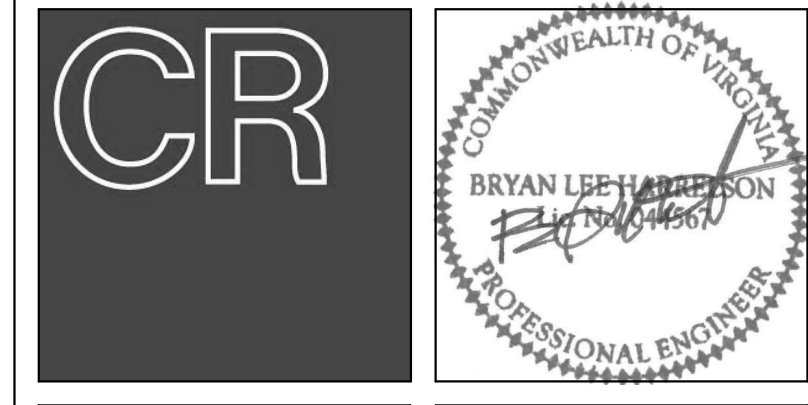
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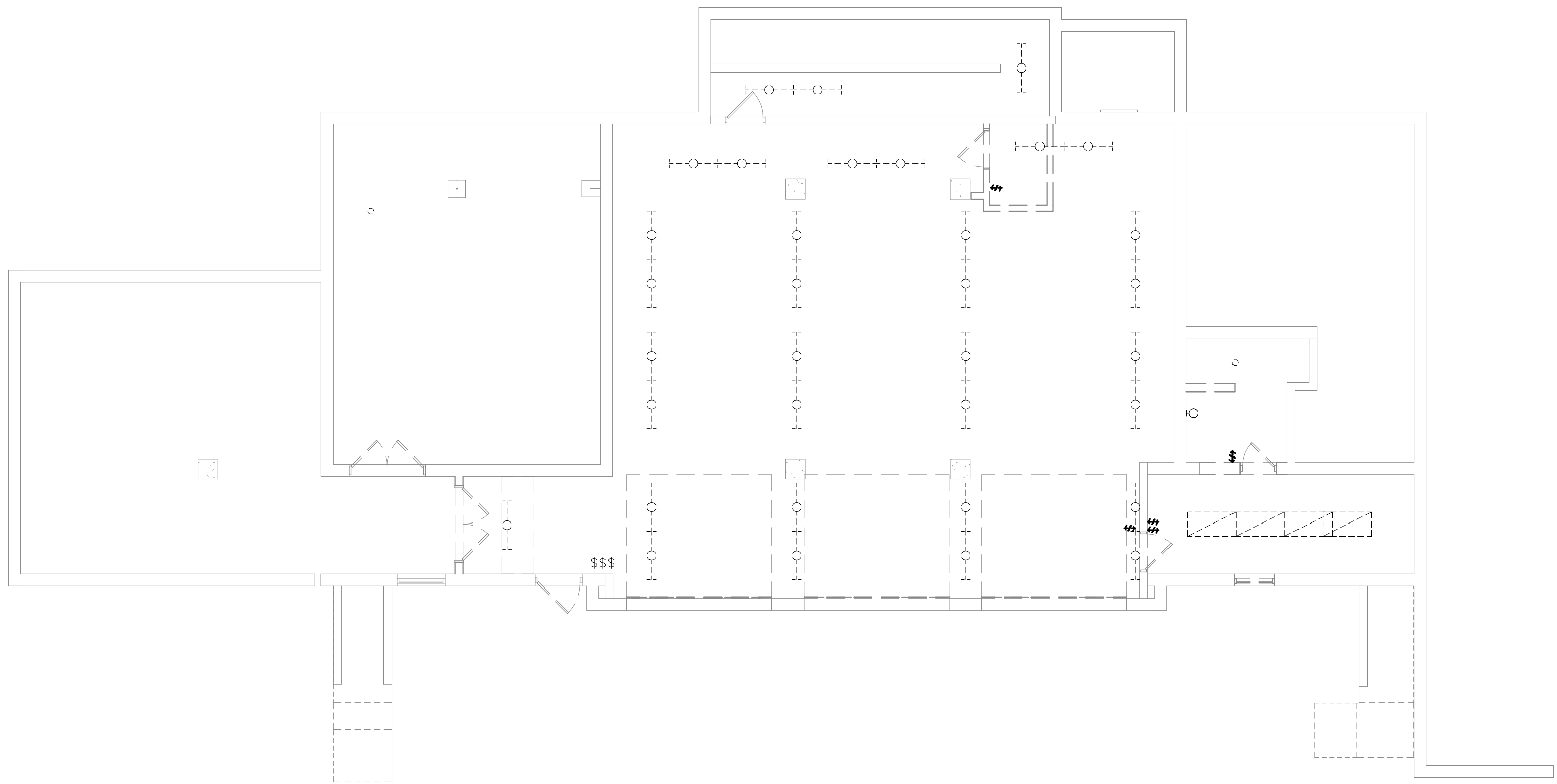
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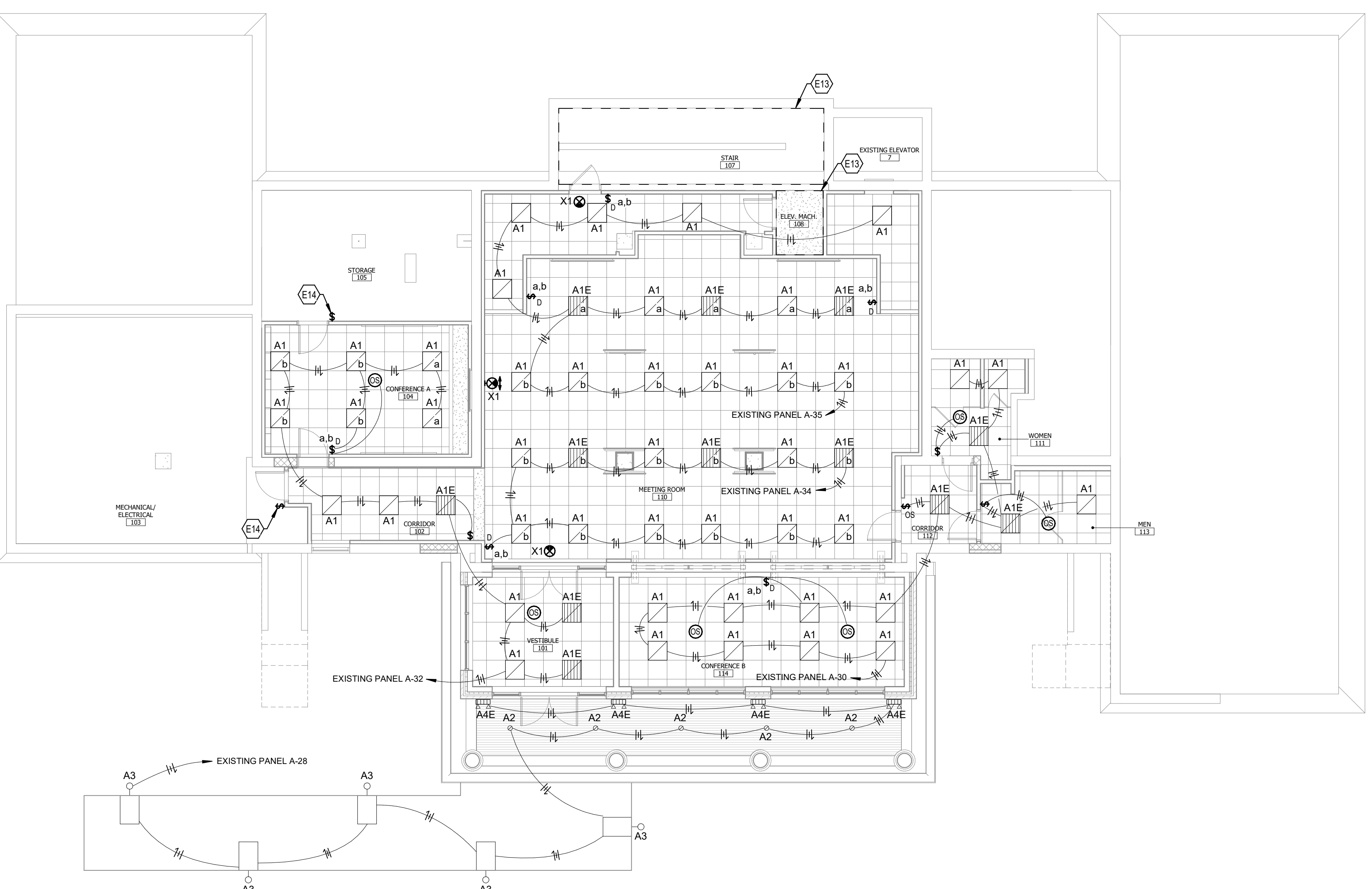


ELEC - LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN	EQUALS	MOUNTING	LAMPS / CCT	MINIMUM LUMENS	MAXIMUM WATTAGE	VOLTAGE	REMARKS
A1	2X2 RECESSED FIXTURE	LITHONIA EPANL 22 34L 40K M4	METALUX, DABRITE EQUIVALENT	LAY IN	4000K	3270	31	120	
A1E	2X2 RECESSED FIXTURE	LITHONIA EPANL 22 34L 40K M4	METALUX, DABRITE EQUIVALENT	LAY IN	4000K	3270	31	120	SHALL BE EQUIPPED WITH EMERGENCY BATTERY PACK.
A2	6" RECESSED CAN LIGHT FIXTURE	LITHONIA LDN6 40/15 L06 MVOLT	PRESCOLITE, PORTFOLIO, EQUIVALENT	RECESSED	4000K	1500	18	120	DAMP LOCATION LISTED.
A3	AREA LIGHT T2M, 15FT POLE	LITHONIA DSX1 LED P8 40K T2M MVOLT	KIM, GARDOL EQUIVALENT	POLE	4000K	24635	207	120	
A4E	EXTERIOR EMERGENCY WALLPACK	LITHONIA WST LED P2 40K MVOLT	DUALITE, EMERGITITE EQUIVALENT	WALL	4000K	3000	25	120	
X1	SINGLE FACE EXIT SIGN REFER TO LIGHTING PLANS AND ARCHITECTURAL PLANS TO DETERMINE MOUNTING SURFACE WITH NICKEL-CADMIUM BATTERY BACKUP.	LITHONIA EDGC EL	DUALITE, EMERGITITE EQUIVALENT	UNIVERSAL	N/A	N/A	2	120	SHALL BE EQUIPPED WITH EMERGENCY BATTERY PACK.



1 LIGHTING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



2 LIGHTING NEW WORK PLAN
SCALE: 1/8" = 1'-0"

ELECTRICAL LIGHTING NOTES

- A REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING. TO MAXIMIZE AVAILABLE LIGHT, SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
- E LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
- F LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
- G ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
- H RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILING AT COMPLETION OF CONSTRUCTION.
- I CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO UL924 LISTED BLTC THEN TO EXIT SIGNS.

TAGGED NOTES

- E13 EXISTING LIGHTING AND SWITCHING IN ROOM TO REMAIN.
- E14 PROVIDE NEW LINE VOLTAGE SWITCH AND CONNECT TO EXISTING FIXTURES TO REMAIN IN THIS ROOM.

#

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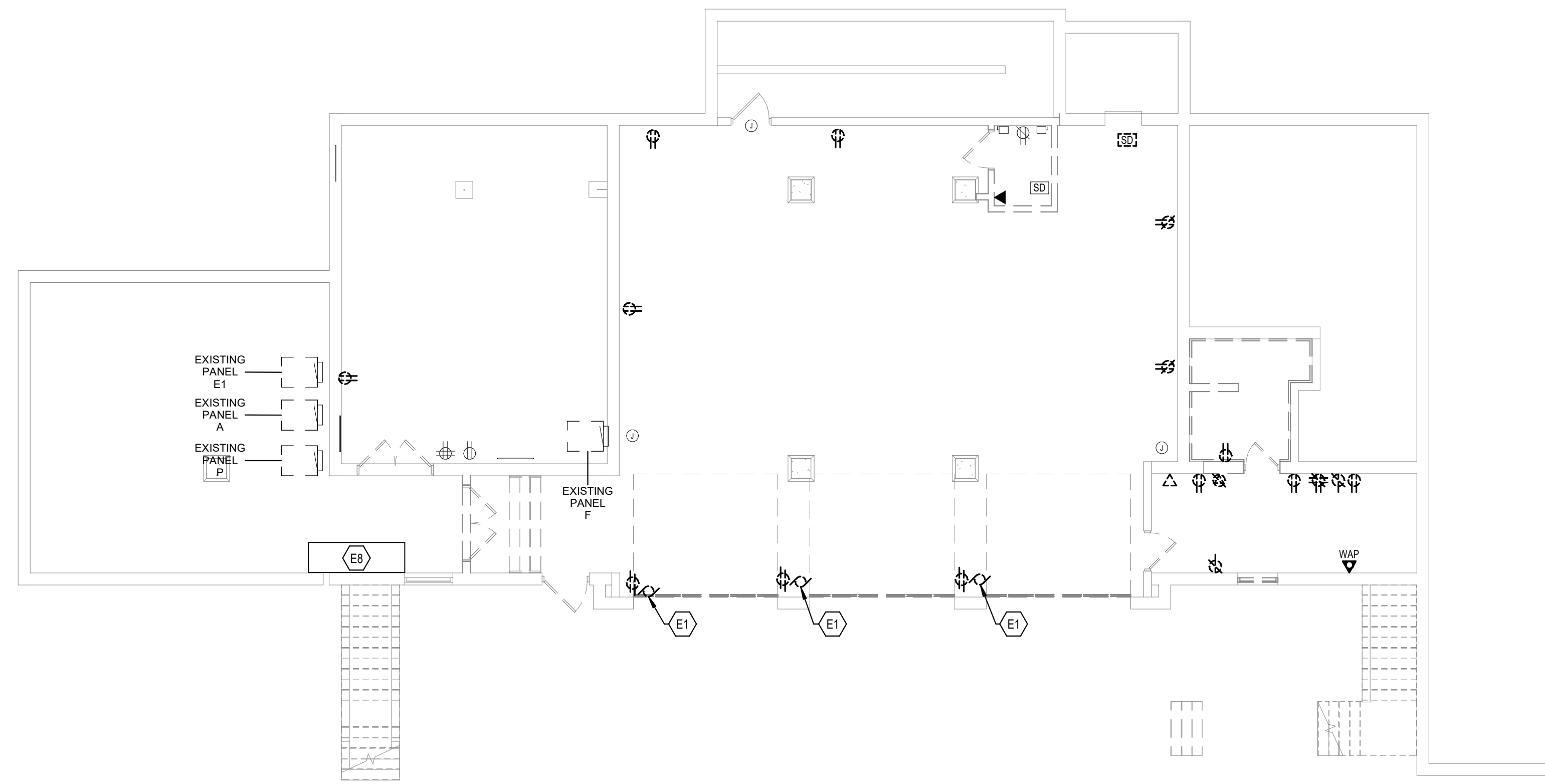
COMMONWEALTH OF VIRGINIA
 BRYAN LEHMAN
 PROFESSIONAL ENGINEER

LIGHTING PLANS

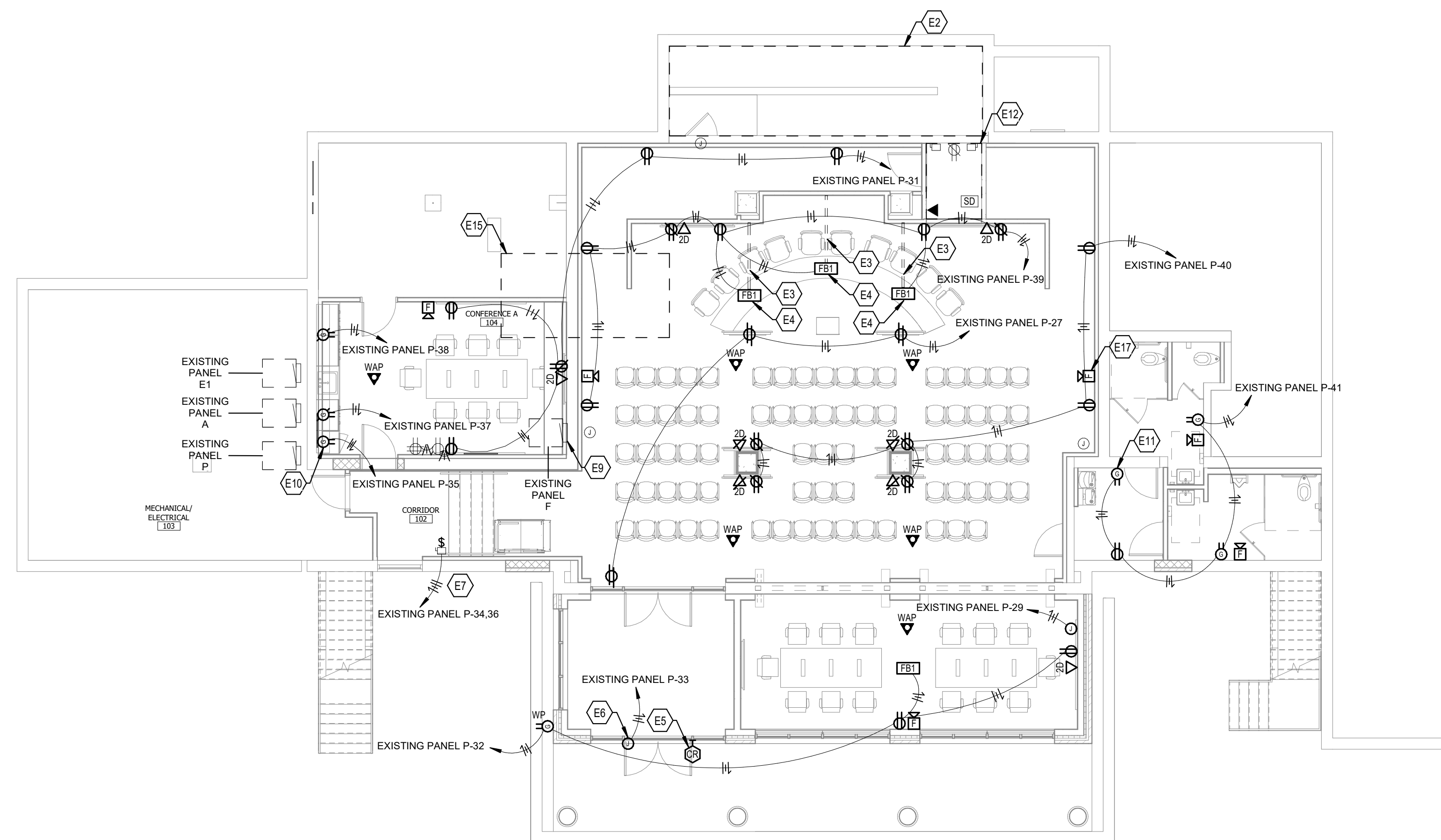
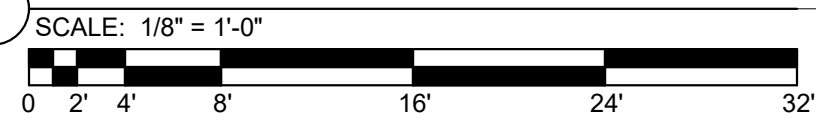
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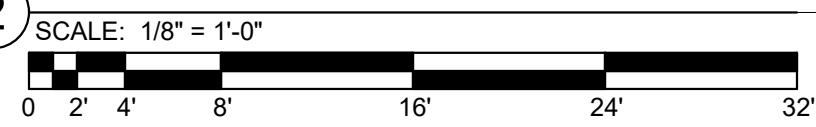
E-100



1 POWER/SYSTEMS DEMOLITION PLAN



2 POWER/SYSTEMS NEW WORK PLAN



ELECTRICAL POWER NOTES

- A REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- E LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

ELECTRICAL SYSTEMS NOTES

- A REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- E THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS), REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- F CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.
- G ALL DATA DROPS ARE TO BE TERMINATED IN THE IT CLOSET ON THE SECOND FLOOR IN A NEW PATCH PANEL.

TAGGED NOTES

- E1 DEMO EXISTING OVERHEAD DOOR CONTROLS AND POWER INFRASTRUCTURE BACK TO THE SOURCE.
- E2 NO NEW ELECTRICAL WORK IN THIS AREA.
- E3 TRENCH SLAB AND PROVIDE FLOORBOX FOR POWER, DATA AND AUDIOVISUAL CONNECTIONS.
- E4 PROVIDE FLOORBOX (WIREFORM EVOLUTION OR EQUAL) FLUSH WITH FLOOR WITH THE FOLLOWING CONNECTIONS: (2) DUPLEX RECEPTACLES, (4) DATA DROPS IN 2" CONDUIT AND 1-1/2" CONDUIT TO AV RACK STUBBED OUT ADJACENT TO RACK.
- E5 MULLION MOUNT CARD READER BY OWNER, CABLING AND ROUGH IN BY CONTRACTOR.
- E6 PROVIDE POWER AT DOOR FOR ACCESS CONTROL POWER SUPPLY.
- E7 PROVIDE DEDICATED 208V, 2P, 20A CIRCUIT FOR PLATFORM LIFT.
- E8 EXISTING ELECTRICAL EQUIPMENT TO REMAIN.
- E9 PANELBOARD IS EXISTING TO REMAIN. FACE OF PANEL SHALL BE FLUSH WITH NEW WALL. PROVIDE ALL PANEL ACCESSORIES TO ACCOMMODATE THIS WORK, INCLUDING CONDUIT SUPPORTS, FITTINGS, EXTENSIONS, ETC.
- E10 PROVIDE GFI RECEPTACLE FOR UNDER-COUNTER REFRIGERATOR.
- E11 PROVIDE GFI RECEPTACLE FOR DRINKING FOUNTAIN/BOTTLE FILLER. COORDINATE EXACT LOCATION WITH APPROVED WATER COOLER SHOP DRAWINGS PRIOR TO ROUGH-IN.
- E12 EXISTING ELECTRICAL EQUIPMENT IN ELEVATOR MACHINE ROOM TO REMAIN.
- E15 SERVER ROOM ON FLOOR ABOVE ROUTE ALL DATA CABLING TO THIS LOCATION ABOVE. PROVIDE 4" E-PIPE FIRE RATED SLEEVES AS NECESSARY.
- E17 PROVIDE NEW FIRE ALARM HORN/STROBE AND ALL REQUIRED EQUIPMENT TO TIE IN TO EXISTING SYSTEM.

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 WHITE SULPHUR SPRINGS, WEST VIRGINIA

**ADDITION AND RENOVATIONS
 MULTIPURPOSE ROOM
 FLUVANNA COUNTY
 132 MAIN STREET
 PALMYRA, VA 22963**



POWER/SYSTEMS PLANS
 PROJECT
 Fluvanna Co.
E-200

PLOT SCALE
 1/8" = 1'-0"
 FILENAME:
 DATE:
 AUGUST 28, 2020

ELECTRICAL POWER NOTES

- A REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
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TAGGED NOTES

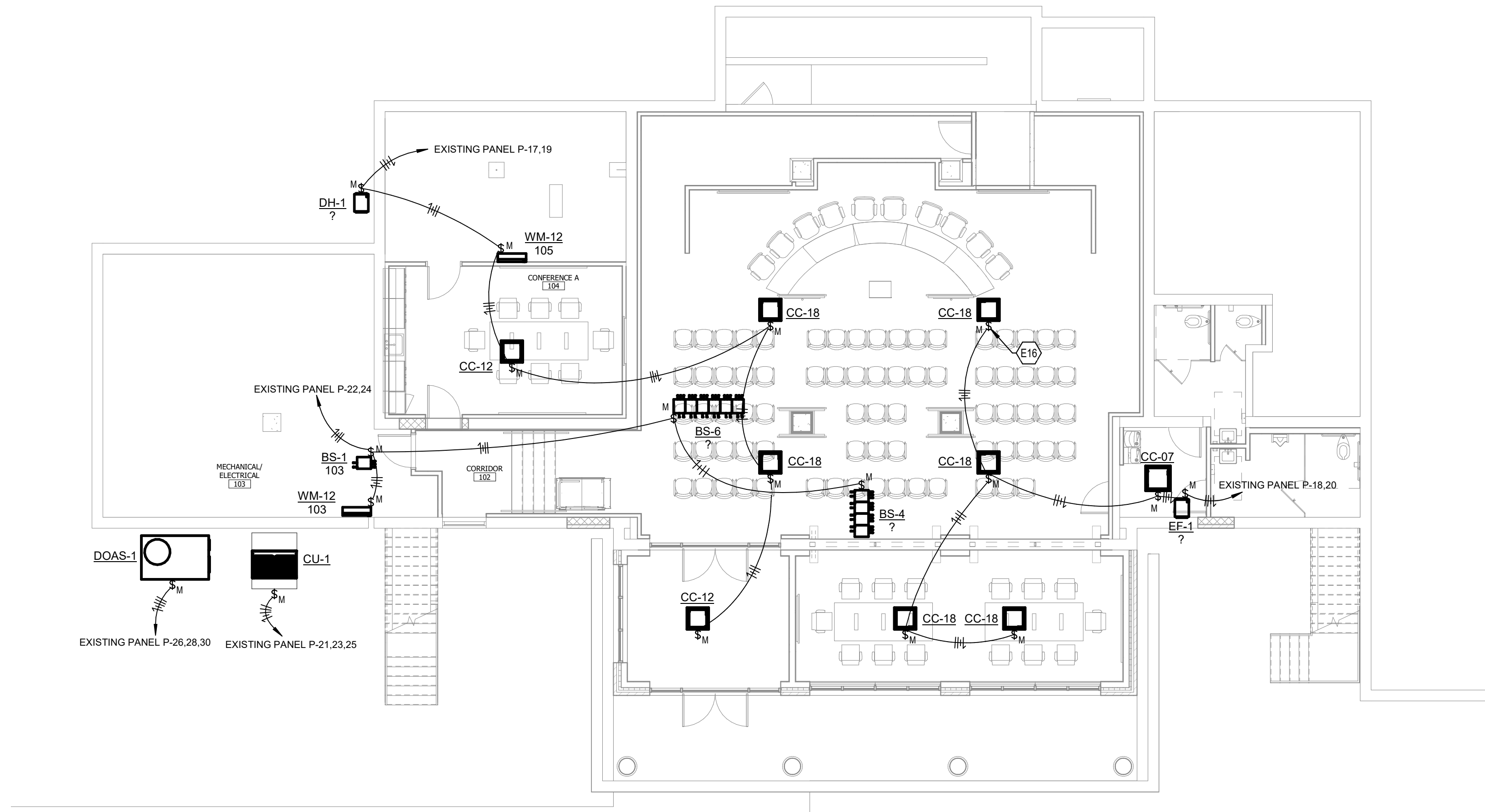
E16 TYPICAL: PROVIDE 2 POLE MOTORIZED SAFETY SWITCH MOUNTED ADJACENT TO HVAC EQUIPMENT TO SERVE AS DISCONNECTING MEANS. LABEL APPROPRIATELY.



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NO.	DATE	BY	DESCRIPTION OF CHANGES

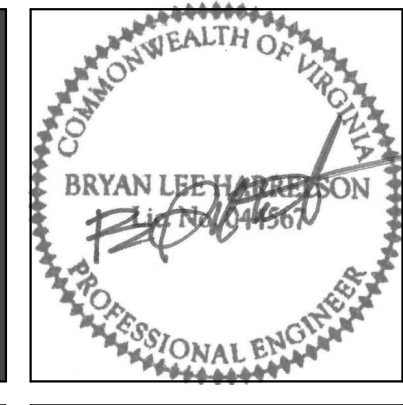


1 HVAC POWER NEW WORK PLAN
SCALE: 1/8" = 1'-0"
0 2' 4' 8' 16' 24' 32'

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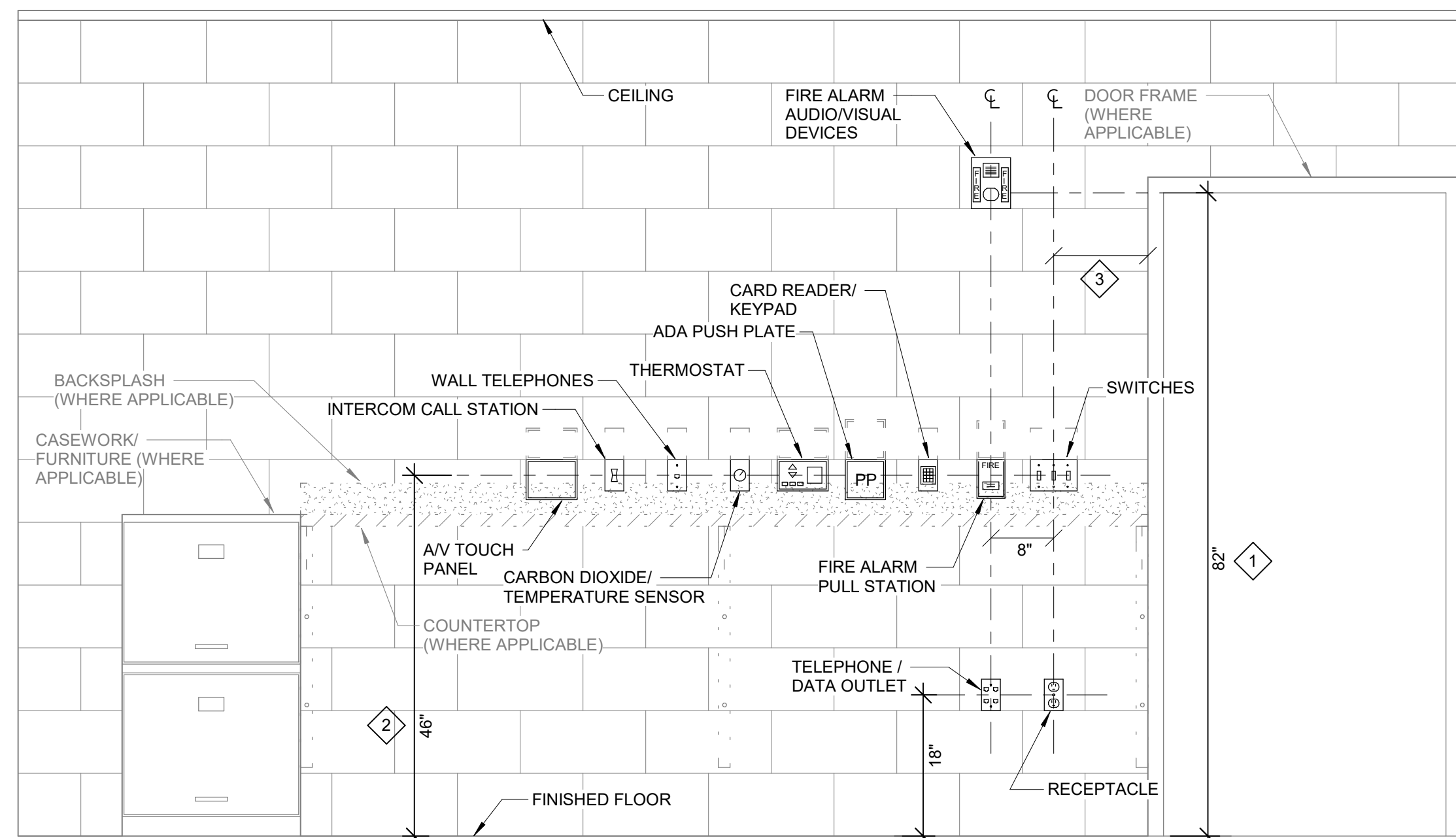
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ADDITION AND RENOVATIONS
 MULTIPURPOSE ROOM
 FLUVANNA COUNTY
 132 MAIN STREET
 PALMYRA, VA 22963



HVAC POWER PLAN
 PLOT SCALE: 1/8" = 1'-0"
 FILENAME:
 DATE: AUGUST 28, 2020

PROJECT
 Fluvanna Co.
E-201



DEVICE MOUNTING DETAIL - GENERAL NOTES:

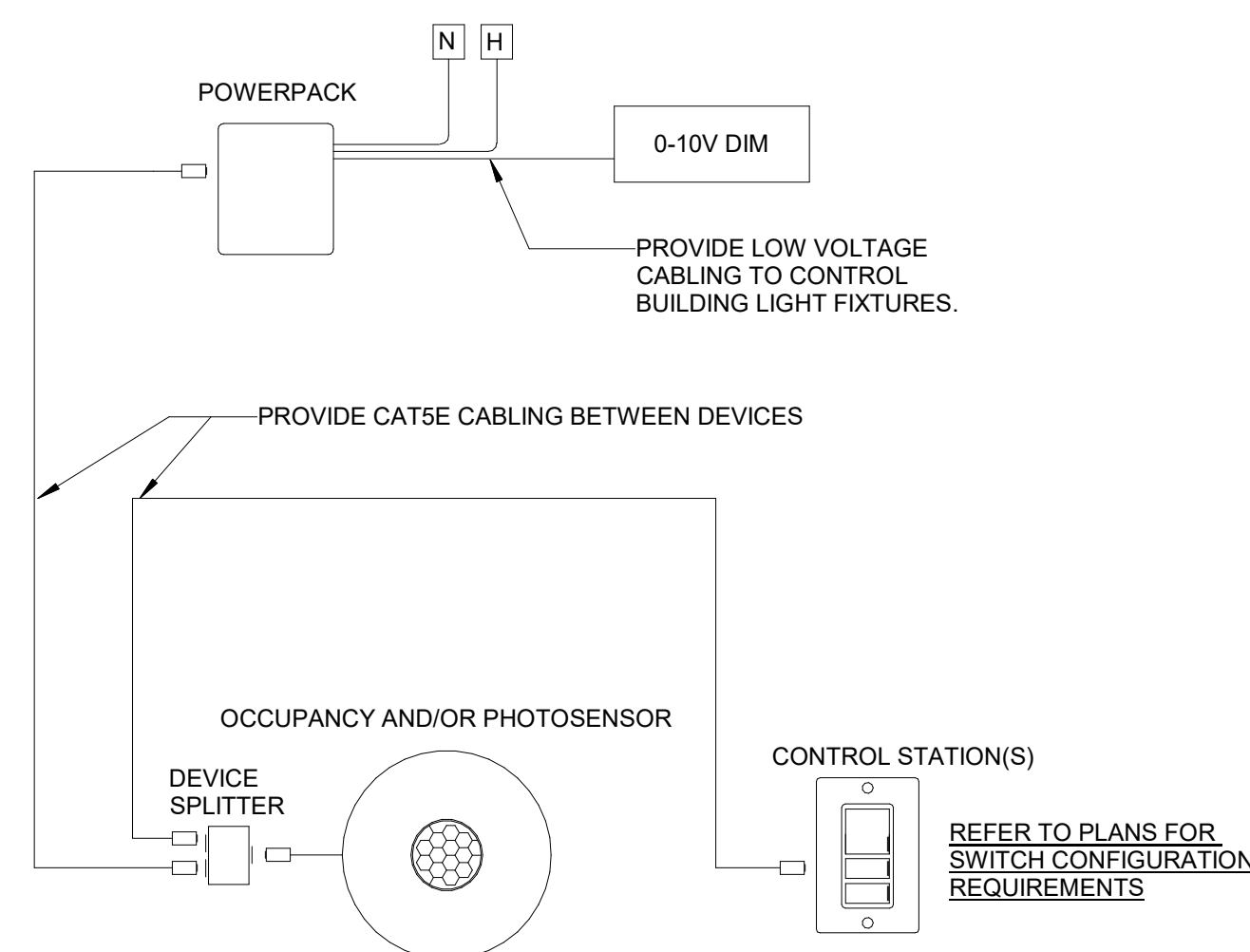
- A. WHERE DEVICES OF ANY DISCIPLINE ARE LOCATED IN THE SAME GENERAL AREA ON THE PLANS AND ARE SHOWN TO BE MOUNTED AT A SIMILAR HEIGHT, ALIGN HORIZONTALLY ALONG CENTERLINE OF DEVICE BACKBOX (AS SHOWN IN DETAIL AND DESCRIBED IN KEY NOTE #2).
- B. WHERE DEVICES OF ANY DISCIPLINE ARE LOCATED IN THE SAME GENERAL AREA ON THE PLANS AND ARE SHOWN MOUNTED AT DIFFERENT HEIGHTS, ALIGN VERTICALLY ALONG THE CENTERLINE OF THE DEVICE BACKBOX (AS SHOWN IN DETAIL).
- C. FOR ANY WALL OTHER THAN PAINTED GYPSUM BOARD OR CMU, DEVICE LOCATIONS MUST BE FIELD APPROVED BY ENGINEER OR ARCHITECT PRIOR TO INSTALLATION OF FINISHES.

DEVICE MOUNTING DETAIL - KEY NOTES:

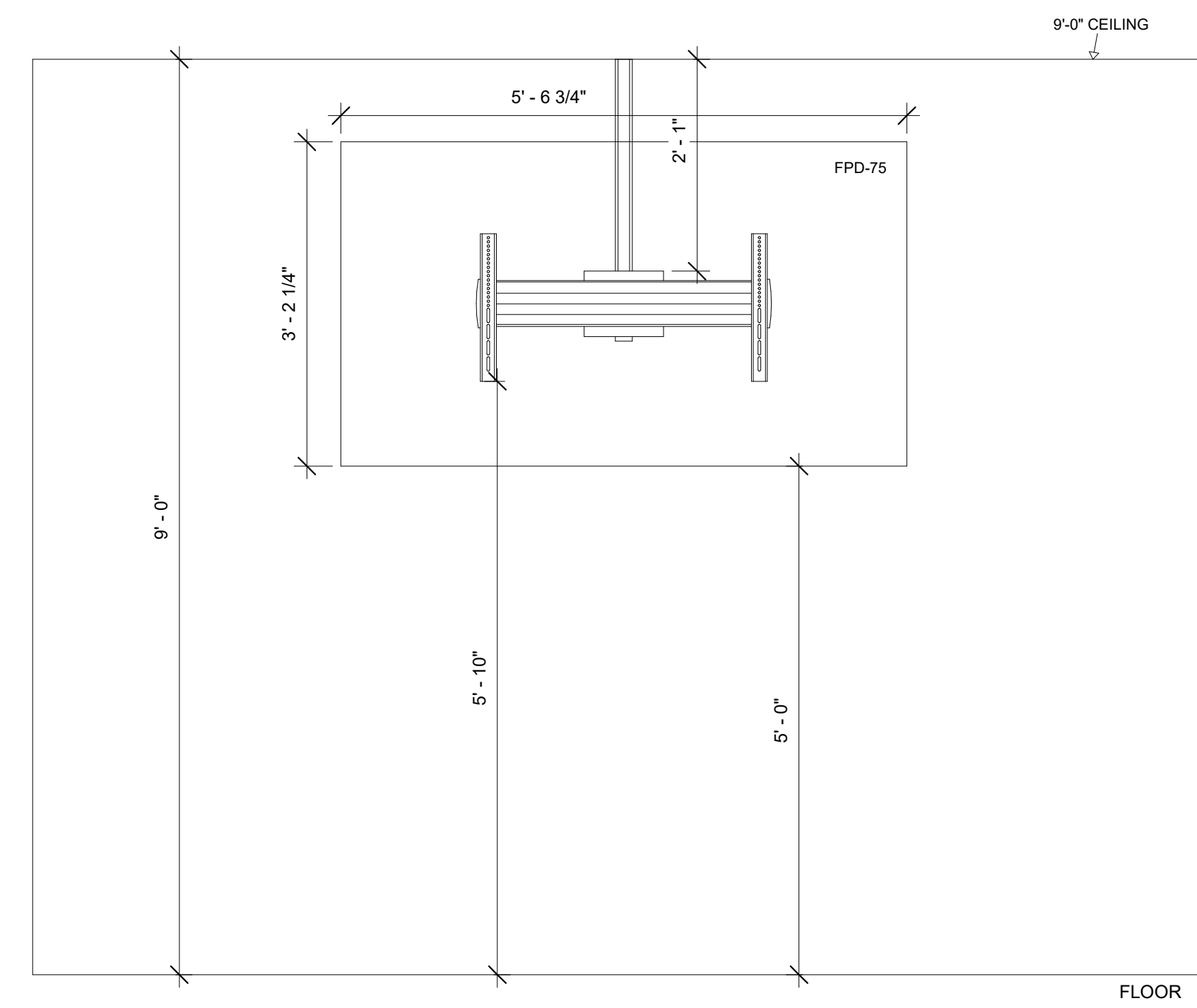
1. MOUNT VISUAL NOTIFICATION APPLIANCES SO THAT ENTIRE LENS IS BETWEEN 80° AND 96° AFF. IF CEILING IS TOO LOW FOR DEVICE TO BE MOUNTED ABOVE 80°, MOUNT SO THAT THE LENS IS WITHIN 6° OF FINISHED CEILING.
2. THE CONTRACTOR IS TO COORDINATE ALL ROUGH-INS WITH ANY COUNTERTOP/BACKSPLASHES TO AVOID CONFLICT. WHENEVER THE TYPICAL DEVICE MOUNTING HEIGHT SHOWN CAUSES CONFLICT WITH A COUNTERTOP/BACKSPLASH, ALIGN DEVICE BACKBOXES IN THE BOTTOM OF THE NEXT FULL BLOCK ABOVE THE BACKSPLASH AS SHOWN BY THE DOTTED LINES. FOR NON-BLOCK WALLS ALIGN CENTERLINE OF DEVICE BACKBOXES 4" ABOVE BACKSPLASH. COORDINATE WORK WITH CASEWORK AND KITCHEN SHOP DRAWINGS ACCORDINGLY. IF CONFLICT STILL ARISES CONTACT THE ENGINEER FOR DIRECTION ON HOW TO PROCEED.
3. MOUNTING HEIGHTS SHOWN ILLUSTRATE DESIGN INTENT AND ARE TO BE FOLLOWED UNLESS CONTRADICTED BY APPLICABLE CODE. WHERE DEVICES ARE SHOWN ADJACENT TO DOOR FRAMES ON PLANS INSTALL 12" FROM FRAME TO AVOID SLISHED SECTIONS. SPECIFIC DEVICES ARE SHOWN IN RELATIVE ORDER FROM DOOR FRAME; WHERE THESE DEVICES ARE NOT PRESENT AT A PARTICULAR LOCATION, ADJUST LOCATIONS CLOSER TO DOOR ACCORDINGLY.

1 TYPICAL WALL DEVICE MOUNTING DETAIL
SCALE: NONE

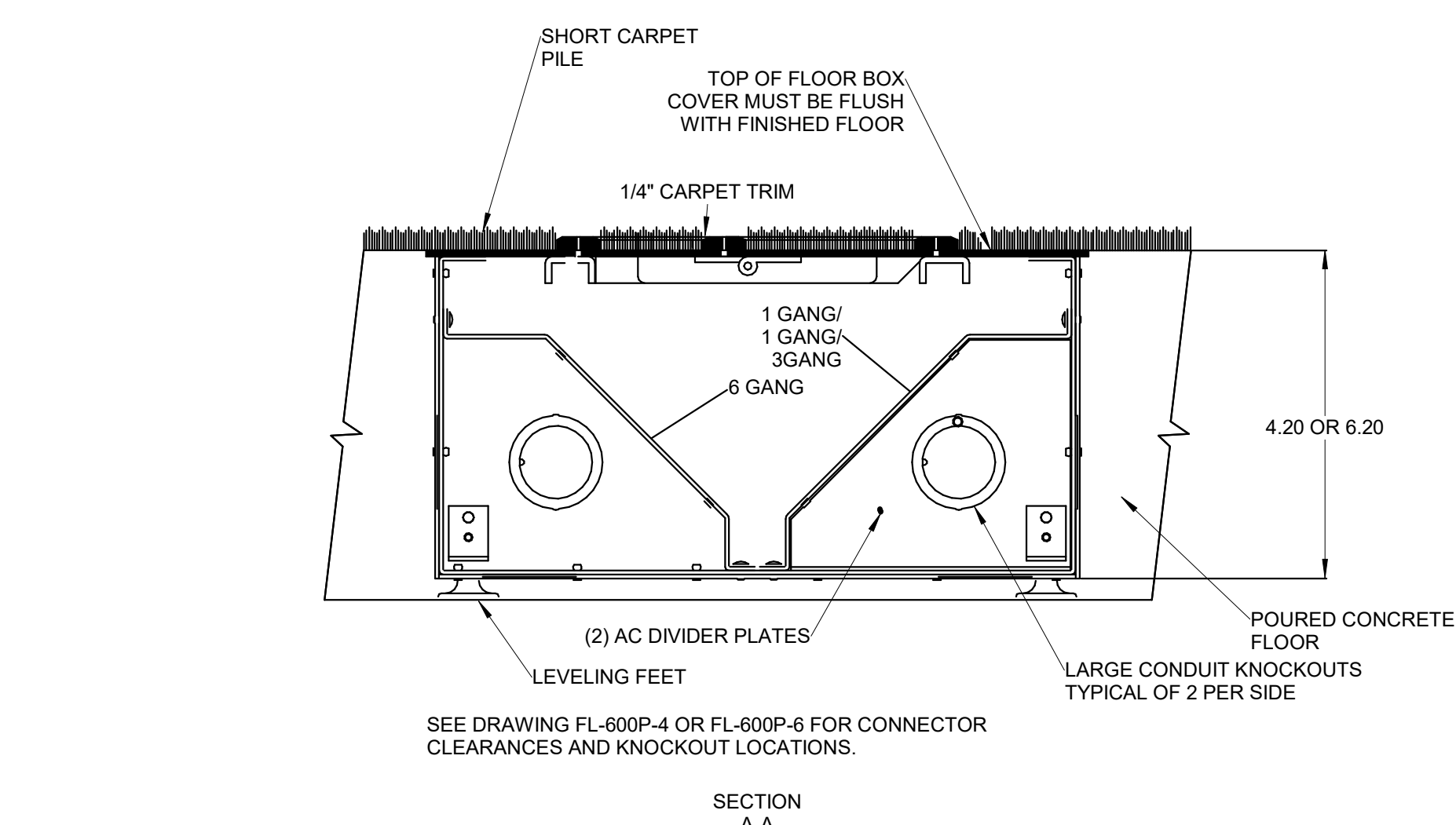
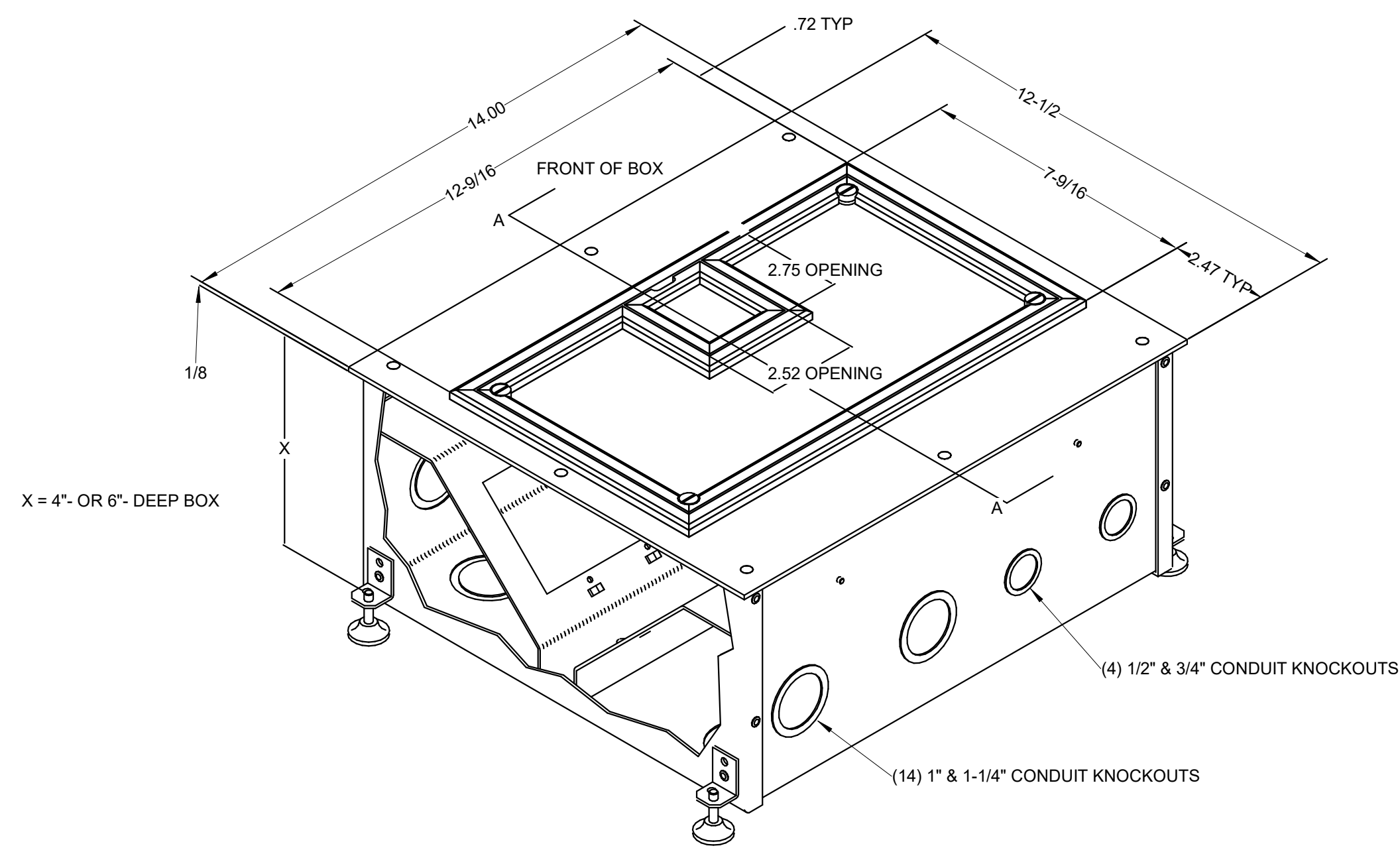
LIGHTING CONTROL SCHEDULE					
ROOM NAME	LOCAL CONTROL	DIMMING	MANUAL ON	AUTO ON	AUTO OFF



2 STAND-ALONE LIGHTING CONTROL DIAGRAM
SCALE: NONE



3 AV DISPLAY ELEVATION FOR CEILING MOUNTED DISPLAY IN MEETING ROOM
SCALE: NONE



4 FLOORBOX DETAIL
SCALE: NONE

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 FLUVANNA COUNTY
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 PALMYRA, VA 22963

CR

BRYAN LEE HERSHMAN
PROFESSIONAL ENGINEER

ELECTRICAL DETAILS	
PLOT SCALE:	As indicated
FILENAME:	
DATE:	AUGUST 28, 2020

PROJECT
Fluvanna Co.

E-300

PANELBOARD AND WIRING SCHEDULE

PANEL: EXISTING PANEL A
VOLTAGE: 208Y120V, 3P, 4W
AMPERES: 1 A
MAINS TYPE: MCB
SPD:
PANEL INTERRUPTING RATING: EXISTING
LOCATION: MECHANICAL/ ELECTRICAL 103
MOUNTING: SURFACE
SUPPLY FROM:

NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OC	P	CKT	A	B	C	CKT	P	OC	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	LIGHTS	--	20	1	1	0.0	0.0		2	1	20	--	RECEPT	
	LIGHTS	--	20	1	3		0.0	0.0	4	1	20	--	RECEPT	
	LIGHTS	--	20	1	5		0.0	0.0	6	1	20	--	RECEPT	
	LIGHTS	--	20	1	7	0.0	0.0		8	1	20	--	FIRE HOUSE	
	CONTROL PANEL	--	20	1	9		0.0	0.0	10	1	20	--	FIRE HOUSE	
	DRYER	--	20	1	11		0.0	0.0	12	1	20	--	FIRE HOUSE	
	SPARE	--	20	1	13	0.0	0.0		14	1	20	--	BOILER ROOM RECEPT	
	TIME CLOCK	--	20	1	15		0.0	0.0	16	1	20	--	SPARE	
	PANEL 1A	--	20	1	17		0.0	0.0	18	1	20	--	SPARE	
	PANEL 1A	--	20	1	19	0.0	0.0		20	1	20	--	ELEVATOR PUMP	
	PANEL 1A	--	20	1	21		0.0	0.0	22	1	20	--	ELEVATOR PUMP	
	ELEVATOR LIGHTS	--	20	1	23		0.0	0.0	24	1	20	--	ELEVATOR PUMP	
	ELEVATOR LIGHTS	--	20	1	25	0.0	0.0		26	1	20	--	GENERATOR RECEPT	
	SMOKE DETECTOR	--	20	1	27		0.0	1.2	28	1	20	--	LTNG EXTERIOR	
	SPARE	--	20	1	29		0.0	0.2	30	1	20	--	1#12, 1#12, 1#12	LTNG RM 111-114
	SERVER ROOM	--	20	1	31	0.0	0.4		32	1	20	--	1#12, 1#12, 1#12	LTNG RM 101, 102, 104
	CONDITIONER	--	20	1	33		0.0	0.4	34	1	20	--	1#12, 1#12, 1#12	LTNG RM 110
	LTNG RM 110					1#12, 1#12, 1#12			36					
									38					
									40					
									42					
									44					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
LTNG	2711 VA	100.00%	2711 VA	TOTAL CONNECTED LOAD: 2711 VA
				TOTAL ESTIMATED DEMAND: 2711 VA
				TOTAL CONNECTED CURRENT: 8 A
				TOTAL ESTIMATED DEMAND CURRENT: 8 A
				25 % ADDITIONAL CAPACITY: 2 A
				TOTAL PANEL CURRENT: 9 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: EXISTING PANEL E1
VOLTAGE: 208Y120V, 3P, 4W
AMPERES: 1 A
MAINS TYPE: MCB
SPD:
PANEL INTERRUPTING RATING: EXISTING
LOCATION: MECHANICAL/ ELECTRICAL 103
MOUNTING: SURFACE
SUPPLY FROM:

NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OC	P	CKT	A	B	C	CKT	P	OC	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	MAIN	--	30	1	1	0.0	0.0		2	1	20	--	SUBPANEL E-2	
	MAIN	--	30	1	3		0.0	0.0	4	1	20	--	TELEPHONE BACKBOARD	
									6					
									7					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL ESTIMATED DEMAND CURRENT: 0 A
				25 % ADDITIONAL CAPACITY: 0 A
				TOTAL PANEL CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: EXISTING PANEL F
VOLTAGE: None, Not Computed/Not Computed/W
AMPERES: 1 A
MAINS TYPE: MCB
SPD:
PANEL INTERRUPTING RATING: EXISTING
LOCATION: CONFERENCE A 104
MOUNTING: SURFACE
SUPPLY FROM:

NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OC	P	CKT	A	B	C	CKT	P	OC	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	2ND FLOOR AIR HANDLER	--	50	1	1	0.0	0.0		2	1	50	--	2ND FLOOR AIR HANDLER	
	2ND FLOOR AIR HANDLER	--	50	1	3		0.0	0.0	4	1	50	--	2ND FLOOR AIR HANDLER	
	2ND FLOOR HEAT PUMP	--	30	1	5		0.0	0.0	6	1	30	--	2ND FLOOR AIR HANDLER	
	2ND FLOOR HEAT PUMP	--	30	1	7	0.0	0.0		8	1	30	--	2ND FLOOR AIR HANDLER	
	SPARE	--	30	1	9		0.0	0.0	10	1	40	--	2ND FLOOR HEAT PUMP	
	SPARE	--	30	1	11		0.0	0.0	12	1	40	--	2ND FLOOR HEAT PUMP	
	INSPECTIONS OFFICE	--	20	1	13	0.0	0.0		14	1	20	--	SPARE	
	INDOOR UNIT	--	20	1	15		0.0	0.0	16	1	30	--	INSPECTIONS OFFICE	
	INSPECTIONS OFFICE	--	50	1	17		0.0	0.0	18	1	30	--	OUTDOOR UNIT	
	INDOOR UNIT	--	50	1	19	0.0	0.0		20	1	25	--	112 TON EXTEN	
	INSPECTIONS OFFICE	--	60	1	21		0.0	0.0	22	1	25	--	OFFICE	
	INDOOR UNIT	--	60	1	23		0.0	0.0	24	1	45	--	MORRIS ROOM	
	SPARE	--	30	1	25	0.0	0.0		26	1	45	--	4 TON	
	KACK SYSTEM	--	20	1	27		0.0	0.0	28	1	30	--	OUTDOOR UNIT	
	OUTDOOR	--	20	1	29		0.0	0.0	30	1	30	--	ADMIN	
	UNIT ADMIN	--	20	1	31	0.0	0.0		32	1	30	--	INSPECTIONS OFFICE	
	MORRIS ROOM	--	60	1	33		0.0	0.0	34	1	30	--	OUTDOOR UNIT	
	CKT B ATTIC	--	60	1	35		0.0	0.0	36	1	20	--	112 TON EXTEN	
	EXT AREA	--	30	1	37	0.0	0.0		38	1	20	--	AREA	
	ATTIC	--	30	1	39		0.0	0.0	40	1	20	--	SPARE	
	SPARE	--	20	1	41		0.0	0.0	42	1	20	--	SPARE	

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: Not Computed
				TOTAL ESTIMATED DEMAND CURRENT: Not Computed
				25 % ADDITIONAL CAPACITY: 0 A
				TOTAL PANEL CURRENT: 0 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: EXISTING PANEL P
VOLTAGE: 208Y120V, 3P, 4W
AMPERES: 1 A
MAINS TYPE: MCB
SPD:
PANEL INTERRUPTING RATING: EXISTING
LOCATION: MECHANICAL/ ELECTRICAL 103
MOUNTING: SURFACE
SUPPLY FROM:

NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OC	P	CKT	A	B	C	CKT	P	OC	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	ATTIC AIR HANDLER	--	20	1	1	0.0	0.0		2	1	20	--	PUMP #2	
	SPARE	--	20	1	3		0.0	0.0	4	1	20	--	ELECTRIC HEATER FOR 2ND FLOOR	
	ELECTRIC HEATER	--	20	1	5		0.0	0.0	6	1	20	--	ATTIC AIR HANDLER	
	ATTIC AIR HANDLER	--	20	1	7	0.0	0.0		8	1	20	--	MORRIS ROOM CKT A ATTIC	
	AIR COMPRESSOR	--	20	1	9		0.0	0.0	10	1	20	--	PUMP #2	
	PUMP	--	20	1	11		0.0	0.0	12	1	20	--	PUMP #2 HOT WATER	
	EXT 10kW ATTIC	--	20	1	13	0.0	0.0		14	1	20	--	PUMP #1 CHILLED WATER	
	TRANE REMOTE CONTROLLER	--	20	1	15		0.0	0.0	16	1	20	--	FCU	
	CC-12, CC-18, WM-12, DH-1 RM 104, 105, 110					2#12, 1#12, 1#12			17					
									19					
									21					
	CU-1					3#12, 1#12, 1#12			22			2#12, 1#12, 1#12	BS-1, BS-4, BS-6, WM-12 RM 103, 110	
									23					
	CEILING RECEPTE RM 110					1#12, 1#12, 1#12			25			3#12, 1#12, 1#12	DOAS-1	
	J BOX RM 114					1#12, 1#12, 1#12			26					
	REC RM 104 110					1#10, 1#10, 1#10			27			1#12, 1#12, 1#12	REC RM 114, EXTERIOR	
	ACCESS CONTROL POWER SUPPLY					1#12, 1#12, 1#12			28			2#12, 1#12, 1#12	HYDRAULIC LIFT	
	FRIDGE REC RM 104					1#12, 1#12, 1#12			29					
	REC RM 104					1#12, 1#12, 1#12			30			1#12, 1#12, 1#12	REC RM 104	
	REC RM 110					1#12, 1#12, 1#12			31			1#10, 1#10, 1#10	REC RM 110	
	REC RM 111-113					1#12, 1#12, 1#12			32					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
EQUIP	10200 VA	100.00%	10200 VA	TOTAL CONNECTED LOAD: 10200 VA
REC	6660 VA	100.00%	6660 VA	TOTAL ESTIMATED DEMAND: 16860 VA
				TOTAL CONNECTED CURRENT: 47 A
				TOTAL ESTIMATED DEMAND CURRENT: 47 A
				25 % ADDITIONAL CAPACITY: 12 A
				TOTAL PANEL CURRENT: 59 A

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

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REVISIONS

NO.	DATE	BY	DESCRIPTION OF CHANGES

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS
250 WEST MAIN STREET, SUITE 200
CHARLOTTESVILLE VA 22902
434-975-7262

MECHANICSBURG, PENNSYLVANIA
TOWSON, MARYLAND
WHITE SULPHUR SPRINGS, WEST VIRGINIA

ADDITION AND RENOVATIONS
MULTIPURPOSE ROOM
FLUVANNA COUNTY
132 MAIN STREET
PALMYRA, VA 22963

PANEL SCHEDULES

PLOT SCALE

FILENAME:

DATE: AUGUST 28, 2020

PROJECT
Fluvanna Co.

E-400