



PURCHASING DEPARTMENT
DIVISION OF BUDGET & FINANCE

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PUR-1378
ADDENDUM NO. 2
INVITATION TO BID

THE MARYLAND THEATRE EXPANSION
IN HAGERSOWN, MARYLAND

DATE: Monday, March 26, 2018

BIDS DUE: Wednesday, April 4, 2018
(Revised Date via Addendum No. 1) 2:00 P.M.

To Bidders:

This Addendum is hereby made a part of the Contract Documents on which all bids will be based and is issued to correct and clarify the original documents.

Please acknowledge receipt of this Addendum at the appropriate space on the Proposal Form. This Addendum consists of nineteen (19) pages and nine (9) attachments.

NOTE: All Bidders must enter the Washington County Administration Complex through either the front door at the 100 West Washington Street entrance or through the rear entrance (w/blue canopy roof) which is handicap accessible and must use the elevator to access the Purchasing Department to submit their proposal and/or to attend the Pre-Proposal Conference. Alternate routes are controlled by a door access system. Washington County Government has announced new security protocols being implemented at the Washington County Administration Complex at 100 West Washington Street, Hagerstown. The new measures took effect Tuesday, February 14, 2017. The general public will be subject to wand search and will be required to remove any unauthorized items from the building prior to entry. Prohibited items include but are not limited to: Weapons of any type; Firearms, ammunition and explosive devices; Cutting instruments of any type - including knives, scissors, box cutters, work tools, knitting needles, or anything with a cutting edge, etc.; Pepper spray, mace or any other chemical defense sprays; and Illegal substances.

ITEM NO. 1: *Inquiry:* How many copies of the bid documents and bid bond are required for the Maryland Theatre Expansion bid on March 30?

Response: Refer to the bid document, Page 004000-1, 9.4, Supplemental Conditions to the Instructions to Bidders.

ITEM NO. 2: *Inquiry:* If more than (1) original bid bond form is necessary, please let me know.

Response: One (1) original and four (4) copies of bid bond form shall be submitted.

(NOTE: The wording of all "Inquiries" submitted are displayed exactly as received.)

- ITEM NO. 3:** Inquiry: There is a Canopy shown in D16/A-2.7 and in Elevation F18/A-3.0:
- Please provide details/sections for the composite metal panels.
 - What type of roofing is required? Please provide appropriate details/sections for the roof.
 - Elevation F19/A-3.0 indicates Aluminum & Glass at the edge of the canopy similar to what is on the Main Entrance Canopy. If required, please provide details. Are these what is shown in Elevations A18/A-3.0 and A18/A-3.1?
 - D16/A-2.7 indicates 10 light fixtures in the canopy. Drawing E2.2 indicates 12 light fixtures. Please clarify

Response: This is the walkway canopy – it is intended to be similar to the main front canopy. See sheet A-2.7 and A-2.8 for plans. The exposed sides should be similar to K10/A-4.17 with aluminum & glass at the edges. Canopy to have 10 lights per architectural – E-2.2 will have 2 eliminated.

- ITEM NO. 4:** Inquiry: Elevation A9/A-3.4 shows the glass at the Main Entrance Canopy. Please provide a detail for what is in the 1-1/2” and 2” spaces between the individual glass units.

Response: Space between the glass is open. The line connecting the glass “teeth” is meant to help support the frames as needed.

- ITEM NO. 5:** Inquiry: Detail A4/A-4.1B is a detail for expansion joint covers. Where are these located?

Response: This project does not currently use this joint cover detail. Please note there are many door details with expansion joint sill covers

- ITEM NO. 6:** Inquiry: Many details such as A12/A-.12, B11/A-4.16, A5, 9 & 15/A-4.20, details on A-5.1, etc. indicate a pre-molded joint sealer PS-F. Specification Section 079005 2.4 indicates PS-1, PS-2, and PS-3. Please clarify what is required for PS-F.

Response: PS-F is the same as PS-3.

- ITEM NO. 7:** Inquiry: Detail A5/A-4.1C indicates some type of fill inside the steel tube column. What is this fill material?

Response: Steel tube columns do not have a fill inside of them.

- ITEM NO. 8:** Inquiry: Details 8, 9 & 12/A-8.10 indicate stained leaded glass by Owner. Is this the leaded glass from the removed transoms as shown in View 1 on D-1.2? Please clarify.

Response: Yes. Contractor is to salvage the existing transom glass and re-use in new building. See Storefront elevation 05/A-8.8 for details.

(NOTE: The wording of all “Inquiries” submitted are displayed exactly as received.)

ITEM NO. 9: *Inquiry:* Sheet D-1.2 indicated 2 bars to be removed and stored for use/reuse. One bar is installed in Concessions 202 as shown on A-1.13 & A-8.6. Where is the other bar installed?

Response: We are only re-using the front bar on sheet D-1.2. The back-bar hatch pattern represents the equipment below to be salvaged. Bar to be used in concession 202 as shown on A-1.13.

ITEM NO. 10: *Inquiry:* Notes on Sheet A8.6 indicate the existing counter is to be relocated with the bar. Sheet A-9.0A indicates SS-2 for Bar Tops/Ticket Counter. Is a new top required, or is it existing?

Response: The existing bar that is being re-located and re-used comes with its own Countertop. All other (new) bar tops and ticket counter to receive Solid Surface Countertops.

ITEM NO. 11: *Inquiry:* Please clarify scope revisions for Alternate No. 5 as follows:

- The Base Bid steel columns receive the spray applied fireproofing. The columns are either concealed within a wall or receive a Column Cover. Is the fireproofing to remain as spray applied or be revised to intumescent since the columns are now exposed as part of Alternate No. 5?

Response: Retain the spray Fireproofing – the intent is to eventually cover them.

- Sheet A-12.2 does not indicate tube columns South of Column E at Column Lines 1, 2, 3, and 4.1, as shown on Sheets S-1.5 and A-1.15. Please clarify that these tubes remain as part of Alternate No. 5.

Response: Yes, these tubes remain.

- Is there drywall, taped, finished & painted on the Event Space side of stud wall framing?

Response: Tape and finish. Paint will be done later.

- Are the sprinkler heads revised to upright heads or to remain as if there was a finished ceiling?

Response: If upright heads are required to meet the code for the exposed ceiling to be fully sprinklered. Then provide those. Realize that when the space is finished they will be recessed.

ITEM NO. 12: *Inquiry:* Drawing Note 2 on Sheet E-1.1 & Drawing Note 1 on Sheet E-1.4 indicate plywood backboards and to refer to detail. Please provide this detail and indicate how much plywood is required.

Response: Please refer to detail 12/E6.1 “Detail – Elevations of GTD Grouping”

ITEM NO. 13: *Inquiry:* Please clarify the wall construction at the fourth floor along Column Line E at CW 2. Sheet A-1.15 indicates Wall Type X3A and shows masonry at the CW. Section B15/A4.5 indicates drywall at the CW. If there is masonry at these locations, please indicate where it changes to drywall, or clarify that it is all masonry or all drywall.

Response: Exterior wall along column line E is a mix of Masonry and Stud back up. See detail 1/S-2.0 for more clarity on CMU and Stud locations

ITEM NO. 14: *Inquiry:* Please consider allowing the General Contractors to submit the names of the subcontractors 24 to 48 hours after the proposal due date.

Response: General Contractors shall submit the names of the subcontractors within forty-eight (48) hours after the bid due date.

ITEM NO. 15: *Inquiry:* Will there be an interview process to allow the teams of each General Contractor to explain their approach to successfully complete this project?

Response: No, because of time constraints. Part of the submission requests a project approach/two challenges (page 004000-2); project approach and schedule combined are ten points of the overall score. We are asking that you explain in detail along with your bid submission.

ITEM NO. 16: *Inquiry:* Note 3 on EPH-01 says to reuse existing panelboard to backfeed all circuits feeding the existing to remain building. Please provide the number of spare breakers in this panel and provide the peak load.

Response: The existing panelboard is photographed in 2/EPH-0.1 and is 225A MCB and has thirty-three (33) prepared spaces. It sub feeds the Tech Panelboard (that will be partially relocated), 2P-100A subpanel located in the projector room, 2P-30A Heater within the space, and two (2) 1P-20A serving the Fire Alarm. Peak load is not available and was presented as an option to the EC to backfeed loads in lieu of relocating and extended the panelboard and associated branch circuits.

ITEM NO. 17: *Inquiry:* Due to the tight site constraints please consider allowing the contractor to utilize space inside the existing theatre as office/meeting space.

Response: Space is not available within the existing Theater; the contractor is responsible for providing space in a nearby building or provide a trailer.

ITEM NO. 18: *Inquiry:* Drawing A-9.2 provides the width for the (3) areas marked as entrance mats. Please provide the traffic direction (td) for the entrance mats.

Response: The hatch is diagrammatic. The traffic pattern will flow thru the exterior doors into the lobby.

ITEM NO. 19: *Inquiry:* Stair #3 calls for a 4538 Julius Blum decorative guardrail in bronze gold per A6.13A. We are concerned this material will not be malleable enough to roll according to the required radiuses without causing distortion. We recommend the consideration for a steel or solid brass guardrail member.

Response: We can accept an alternate material in the tight radius areas as long as the design intent is met, and it looks consistent with the rest of the railing. Please only use this solid brass rail when needed to minimize additional cost

ITEM NO. 20: *Inquiry:* Please consider another site walk prior to the bid date.

Response: As stated in the Invitation to Bidders, contractors who wish to gain access to the project site shall contact the County's Representative, Brennan Garrett (240-313-2474) Monday through Friday between the hours of 8:00 A.M. – 2:00 P.M., for the purpose of taking a site tour.

ITEM NO. 21: *Inquiry:* Please issue the power point presentation and the sign-in sheet from the pre-proposal meetings on March 8th and March 12th.

Response: See Addendum No. 1 for power point and sign in sheet.

ITEM NO. 22: *Inquiry:* Why are the elevators seismic design class C (14 24 00 – 1.2.11) when the structural design of the building is seismic design class A per S-0.0. Hagerstown is a completely class A seismic area.

Response: Elevator seismic design should be Class A to match structural.

ITEM NO. 23: *Inquiry:* For the existing roof top that needs to be removed is there any information on the size, weight or manufacturer/model number on the unit?

Response: The existing roof top unit above the lobby that needs to be removed is a 10 Ton, York Predator unit. It weighs approximately 1500 lbs and is approximately 89" L x 58"W x 51"H.

ITEM NO. 24: *Inquiry:* There are some sound attenuators on the fourth floor duct. We're not sure some of them are going to fit. They are not marked on the drawings as to where they are to go. Can you please confirm locations for them?

Response: Sound attenuation shall be provided for all supply and return connections to Rooftop units. Where scheduled sound attenuators do not fit, alternative sound attenuation methods shall be provided. Further clarification and direction will be provided under Addendum No. 3.

ITEM NO. 25: *Inquiry:* The specifications indicate conductors in raceways (conduits) for service entrance, feeders, branch and control circuits. Is it acceptable to use MC cable in lieu of conduit as allowable by NEC Article 330.10 (metal clad cable uses permitted)? This method is typical industry practice and much more cost effective.

Response: The current design allows MC cabling to be used to feed the new switchboard located in the new addition from the service entrance. MC is also allowed to be used when connecting to lighting fixtures.

Wire and conduit is expected everywhere else, since the addition is a new structure and typically the use of MC throughout a whole building produces sloppy installations between the device and homerun

ITEM NO. 26: *Inquiry:* A-9.0A calls out an FRP cornice with specification section 06 82 - referenced. There is no such specification. Please provide.

Response: Specification section 06 82 00 is attached.

ATTACHMENT: Specification Section 06 82 00

ITEM NO. 27: *Inquiry:* ALARM AND ACCESS CONTROL Specification Section 28 13 00, page 15, states a requirement for the Door Control Personal Identity Verification Software to be HID FIPS 201 compliant.

This has a substantial cost impact to the system, and just wish to verify the need to meet that federal credential standard.

Response: The Door Control Personal Identity Verification Software HID FIPS 201 compliant was accidentally included in the specification. It is not required for this application.

ITEM NO. 28: *Inquiry:* 01 9113 and 01 9114 both appear to intend that commissioning is performed for HVAC systems only. There is also 26 0800 (electrical commissioning), and Domestic hot water is included in the 23 0800 spec. However, the "Commissioning Team" information found in 01 9114, 3.1/E indicates that the communications contractor is involved. Please clarify the trades and systems required to be commissioned that will apply to the entire project.

Response: Systems requiring commissioning are outlined in specification sections 230800 and 260800. Only the trades involved in commissioning these systems need to be included.

ITEM NO. 29: *Inquiry:* 26 08 00 appears to indicate general lighting controls - not theatrical lighting controls. Please confirm that theatrical lighting systems are not required to be commissioned.

Response: Correct, the existing Theatrical lighting is not a part of this project; only the new building lighting and associated lighting controls.

ITEM NO. 30: *Inquiry:* In total, the commissioning requirements appear to include HVAC, domestic hot water, and lighting controls. Is this project intended to meet LEED requirements?

Response: No, this project is not required to meet LEED requirements.

ITEM NO. 31: *Inquiry:* 01 9114, 1.3/F - Training Plan. This section appears to indicate that the CxA would be responsible for developing the Training Plan. It is more typical for the contractor to develop the training plan and the CxA reviews the plan with the Owner. Please confirm intent.

Response: Contractor shall develop a training plan which is to be reviewed by the CxA.

ITEM NO. 32: *Inquiry:* 23 0800, 3.4/H indicates that all (100%) of terminal units are to be commissioned. Understand that checklists need to be completed for all, but please confirm intent that 100% testing of terminal units is required. It is more typical for the CxA to witness a sample of terminal equipment (20-50%).

Response: All terminal units shall be commissioned as specifications indicate.

ITEM NO. 33: *Inquiry:* The commissioning specs do not include mention of the "Owner's Project Requirement" (OPR) or "Current Facilities Requirement" (CFR) - either designation is acceptable for partial renovation - document common to most commissioned projects. Will either of these documents be provided, or does the CxA need to develop it.

Response: A/E team to provide the OPR to CxA after contractor is selected.

ITEM NO. 34: *Inquiry:* Will the project team allow the use of an electronic, cloud based commissioning software to develop, complete, and track commissioning documentation requirements?

Response: Yes. This is acceptable.

ITEM NO. 35: *Inquiry:* Is this project exempt from Maryland State Sales Tax:

Response: Refer to the bid document, Page 004000-3, 9.16 - Tax Exempt, Supplemental Conditions to the Instructions to Bidders.

ITEM NO. 36: *Inquiry:* Is a Payment & Performance Bond Required?

Response: Yes. Refer to the bid document, Page 004000-3, 9.11, Supplemental Conditions to the Instructions to Bidders.

ITEM NO. 37: Inquiry: Is this a prevailing wage project? If so, please provide wage schedule.

Response: No, this project is not a prevailing wage project.

ITEM NO. 38: Inquiry: Do the owner furnished flat panel displays include the mounts and surge suppressors, or are they to be provided per the spec, with on ly the displays being reused?

Spec Reference: 274116 page 17

Response: The flat panel displays will be “OFE” and will be re-used. The Chief mount and the SurgeX SA-82 will be new and will need to be provided. Do not include the (2) 70” flat panel and cart in your bid cost.

ITEM NO. 39: Inquiry: Please provide clarification on 70” displays for the Event Space. Specification lists them as optional, with wall-mount bracket. AV-1.05 does not show the displays. AV-6.01 shows them as on portable carts.

Drawing Reference AV-1.05, AV-6.01 Det. 3

Spec Reference: 274116 page 18

Response: The (2) two Sharp PN E 703 flat panel should be listed as “optional”. The flat panel mounts were listed in error, they should be a portable cart. The cart should be a Chief PFCUB. Do not include the (2) 70” flat panel and cart in your bid cost.

ITEM NO. 40: Inquiry: Please clarify as to how the Ball Room Dome Speakers are to be mounted.

Drawing Reference: AV-2.01 Det. 6

Spec Reference: 274116 page 24

Response: The dome speakers will be surface mounted. Please note that this is still being reviewed and will need to be coordinated.

ITEM NO. 41: Inquiry: Please clarify if Conduit will be provided by Electrical Contractor for ceiling speakers located in gypsum ceilings on all levels of the facility

Drawing Reference: AV1.01 – AV1.15

Response: The design intent is to have conduit installed by the electrical contractor for areas where the speakers are located in drywall where there are no access panels. The only speakers that should be in drywall ceilings are in the Basement Lobby 101 and in the Men’s/Women’s/Star Dressing Rooms.

ITEM NO. 42: *Inquiry:* Please confirm that wood blocking will be provided by the GC in walls that are supporting flat panel displays.

Drawing Reference: AV-5.01

Response: The design intent is to have the General Contractor provide and install the wood blocking for the flat panel displays. This should also be noted on the drawing details.

ITEM NO. 43: *Inquiry:* Will the Electrical Contractor be providing the grounding backbone requirements for the Division 27 work, or is that to be provided by the Low Voltage Contractor?

Drawing Reference: T-6.01 Detail 3
Spec Reference: 270526

Response: The electrical contractor should be providing the grounding backbone. The AV contractor shall coordinate with the electrical contractor to ensure that the equipment racks are properly grounded

ITEM NO. 44: *Inquiry:* On sheet A-6.10 the stair railing schedule lists materials for railings B and C as iron but the description says "decorative bronze". Please clarify.

Response: Both stair railings B and C are bronze. Chart on A-6.10 material should say bronze under railing type B and C

ITEM NO. 45: *Inquiry:* On sheet A-6.10 the stair railing schedule lists materials for railings type D as "brushed bronze", but the description does not mention bronze like railing types B and C does. Please clarify.

Response: Handrail type D is brushed bronze. See detail K16/A-6.10.

ITEM NO. 46: *Inquiry:* On sheet A-6.10 "brushed bronze" is called out as a material. Can you please clarify what will be considered "Brushed Bronze"?

Response: Extruded bronze railing would be from alloy C38500 architectural bronze.

ITEM NO. 47: *Inquiry:* On sheet A-6.13A in upper right-hand corner there is a schedule of parts for railing type b and c, does this schedule take precedence over any other specifications called out in the drawings?

Response: Yes, these are the list of major components for both railing types B and C. Please include any other parts needed to provide a fully assembled railing system.

ITEM NO. 48: *Inquiry:* What is the difference between rail style B and rail style C? On sheet A-6.13A there is an elevation shown for railing type B & C that shows an iron baluster. On other views of railing type C no iron baluster is shown. Please clarify.

Response: Stair Railing Type B (Grand Stair) is curved. Stair Railing Type C (Stair 4 and 5 are straight. Both stairs share the same components.

ITEM NO. 49: *Inquiry:* Will alternatives be allowed for railing part number 4538? This part could be substituted with a solid cap of similar shape that would make the fabrication process more efficient.

Response: See response to ITEM NO. 19 in this Addendum.

ITEM NO. 50: *Inquiry:* 04 20 00 Unit Masonry, Paragraph 2.4 K. calls for Reinforcing Bar Couplers. Are rebar lap splices in lieu of couplers allowed?

Response: No.

ITEM NO. 51: *Inquiry:* What area is contemplated for Allowance No. 1 Masonry Repointing?

Response: This allowance is for possible re-pointing of the existing visible theatre exterior walls.

ITEM NO. 52: *Inquiry:* Please provide enlarged details of the materials surrounding Columns E1, E2, E3, and E4.1 on the 4th floor Event Space 400.

Response: Detail J7/A-4.16 will wrap the whole opening with the 6" deep stone. The inside niche is drywall.

ITEM NO. 53: *Inquiry:* Please confirm detail A11/A-5.2, enlarged detail for Column E / 4.1, is the same for the Orchestra, Second, Third and Fourth Floors. A-1.15 Fourth Floor Plan shows masonry surrounding Column E / 4.1 and Detail A11/A-5.2 shows drywall at all levels.

Response: Detail A11/A-5.2 is similar on all levels except that the facade steps back at second -fourth floor.

ITEM NO. 54: *Inquiry:* Who is the preferred vendor for controls?

Response: Please specify what controls you are asking about.

ITEM NO. 55: *Inquiry:* Plans show letters on the face of the main entrance canopy reading: THE MARYLAND THEATRE.

- a. What are the heights of these letters?
- b. Are the letters illuminated? If so, are these white acrylic faces, or are they metal to be reverse illuminated?

Response: 10” high letters, letters are not back lit.

ITEM NO. 56: Inquiry: The projecting Marquee sign drawing A10/A-11.1 indicates that the background of the sign and the area behind the light bulb fixtures is to be a “plastic back panel”. This will create a problem due to the expansion and contraction of this material. This is normally fabricated from aluminum to match the cabinet construction. Please advise.

Response: Aluminum is acceptable.

ITEM NO. 57: Inquiry: The LED Display Case shown on drawing H7/A-11.1 is listed in spec section 110005 as a product called FLEXStorm as the basis of design. This product, according to their web site, has a low Weather Rating. Please advise if a Daktronics or Watchfire electronic display would be an acceptable product.

Response: Both are acceptable, we need one that is exterior rating.

ITEM NO. 58: Inquiry: The message schedule on drawing A-11.0 indicates that there is a sign type 13. This sign type does not appear on the drawing. Please advise.

Response: Signage type 13 are pin mounted extruded letters similar to the ones in the box office, see interior elevation A18/A-7.4. We will also have "Theatre" signs over doors noted in the schedule.

ITEM NO. 59: Inquiry: The aluminum letters on the front of the canopy on drawing A9/A-3.4 scale to a 7” height. The standard cast letters are 6” or 8” high. Please advise.

Response: Maryland Theatre letters are 10” high.

ITEM NO. 60: Inquiry: Please provide locations for the 4th floor duct sound attenuators.

Response: Clarification for exact sound attenuator location will be provided under Addendum No. 3.

ITEM NO. 61: Inquiry: Sheet A-3.1 calls for a “sloped CS2 band” and a CS2 header below the second floor. Neither are identified on the Exterior Finish Schedule Key. Section A6/A-4.6 shows details for the sloped band J17/A-4.15 and header H7/A-4.15. J17 identifies the sloped band as cast stone CS-2; however, Detail H7/A-4.15 calls for a precast lintel precast behind HDMU. Please clarify.

Response: The sloped band and header are CS2. Detail H7/A-4.15 should be revised to say CS2 instead of HDMU.

ITEM NO. 62: *Inquiry:* Section 03 45 10 – Architectural Precast Concrete, 1.2 Summary includes “architectural precast concrete sills, splash blocks, caps and other items indicated on the drawings”. Elevations only identify cast stone CS1 & CS2 but no exposed precast. Please clarify.

Response: Yes, spec section 03 45 10 is not currently used. CS1 is in 04 72 00. Note: CS-2 should be under 04 72 00 with red color to match HDMU-1

ITEM NO. 63: *Inquiry:* Unit Price #4 Rock Removal on the Bid Form has a dollar value of \$75 filled in.

a. Are bidders supposed to accept this unit price for rock removal?

Response: Yes. If this amount does not seem correct, please provide explanation and backup for alternate unit price

ITEM NO. 64: *Inquiry:* We recommend establishing an allowance for underpinning and adding the following unit prices to the bid form:

- a. Underpinning in earth per cubic yard.
- b. Underpinning in rock per cubic yard.

Response: This will be addressed in Addendum No. 3 for clarification.

ITEM NO. 65: *Inquiry:* Please provide locations for Specification Section 10 56 13 Metal Storage Shelving.

Response: No storage shelving in this project. Spec section shall be deleted.

ITEM NO. 66: *Inquiry:* Detail Plan H16/A-1.7, 01 Partial Walkway Plan-West, shows two double fixed accordion gates and references Specification Section 10 00 05 Miscellaneous Specialties; however, A-9.0A Finishes Key Schedule calls out metal gates to be specified in Section 32 31 19. Please clarify.

Response: Gates are specified in 10 00 05. Spec section 32 31 19 shall be deleted.

ITEM NO. 67: *Inquiry:* Detail A16/A-1.7 – Please provide construction details for this area.

Response: Provide bid per the notes. The raised concrete platform is approximately 4' above finish concrete floor.

ITEM NO. 68: *Inquiry:* Please provide size for the angle at roof connection Detail A12/A-4.12.

Response: Continuous 4"x8".

ITEM NO. 69: *Inquiry:* Roof Plan A-1.6 calls out “Guardrail” at 3 places in the interior of the roof but does not show any guardrail. Please provide locations and details for these guardrails.

Response: We assume you mean sheet A-1.16. There are guardrails along the parapet edges at the south and west edge of the new roof. See Detail D14/A-4.11 and F17/A-4.12.

ITEM NO. 70: *Inquiry:* Please provide location for constructing the mockups shown on Sheet A-3.5.

Response: Contractor to select mock-up location near and/or around the construction site.

ITEM NO. 71: *Inquiry:* Please provide locations for Expansion Joint Cover At Floor, Detail A4/A-4.1B.

Response: See the response to ITEM NO. 5 in this Addendum.

ITEM NO. 72: *Inquiry:* Please provide architectural and plumbing details for the rear canopy shown in Elevation F18/A-3.0 over door X122.

Response: Provide exposed downspout attached to column on north side at the top of the steps. This will be directly above the trench drain.

ITEM NO. 73: *Inquiry:* Proposal Form 5. Subcontractors requires bidders to submit a list of subcontractors with the bid and states that no change of deviation from the list shall be allowed except as determined by the Owner or Owner's Representative. We respectively request that bidders be able to list more than one subcontractor per trade as there is not enough time on bid day to definitively determine each subcontractor we will contract with for all 29 trades requested.

Response: See response in Addendum No. 1.

ITEM NO. 74: *Inquiry:* The traffic control plan C-103 shows "portable concrete barriers per MD104.01-40. Due to the frequency of the set up and tear down, we are requesting permission to use plastic jersey barriers in lieu of the concrete barriers.

Response: Plastic Jersey barriers are allowed in lieu of concrete barriers. The GC is required to provide a final traffic control plan to the City of Hagerstown for approval.

ITEM NO. 75: *Inquiry:* Specification Section 01 10 00 Summary, Paragraph 1.8 A. 1. requires the Contractor to include the cost of hiring a third-party Commissioning Agent in their fee; however both Sections 01 91 13 – General Commissioning Requirements and Section 01 91 14 – Commissioning Authority Responsibilities, Paragraph 1.1 D. say " The Commissioning Authority is employed by the Owner" . Please clarify both the redundancy of the specifications and who is responsible for employing the Commissioning Agent.

(NOTE: The wording of all "Inquiries" submitted are displayed exactly as received.)

Response: The third-party commissioning is in the GC's scope. The summary is correct. 01 91 13 & 01 91 14 are incorrect.

ITEM NO. 76: *Inquiry:* Reference detail 8 on sheet A-8.10; please clarify the use of 'snap cover'; where it is shown is going to interfere with the sill flashing required for the system. Detail 9 and 12 is noted to have it on the exterior of the frame?

Response: This is a part of the storefront system. See spec section 08 43 13 - 2.2 B - it is the sill sash.

ITEM NO. 77: *Inquiry:* Reference 01 Orchestra section of the door schedule sheet A-8.0 – doors X008 thru X125 are not shown on the Orchestra floor plan.

Response: See sheet A-1.7 for most of the doors. Also see the response to ITEM NO. 88 in this Addendum.

ITEM NO. 78: *Inquiry:* On pg. A-9.0A the "Finish Key Schedule" under "Exterior" mentions FRP Cornice (COR), and lists a spec section of 06 82 00. No spec section of 06 82 00 has been provided in the specification. Please provide this spec section.

Response: See the response to ITEM NO. 26 in this Addendum.

ITEM NO. 79: *Inquiry:* I have not found any place where soldered stainless steel is going. Canopy roofs where they tie into new building you would think they would have a soldered reglet installed over termination bar but none shown on Drawing A-4.17 detail F6 and A8. Please confirm if soldered stainless steel is required anywhere on the project. Please clarify.

Response: Please bid the drawings. GC to determine.

ITEM NO. 80: *Inquiry:* The fireproofed columns shown on pg. A-5.10, detail A8, are not given a specific column type like all of the other columns throughout the floor plans. There are several locations where structural columns in concealed places don't have any associated details, so we can't determine if the need to be fireproofed. See column lines B-1, B-4, & C-1 on pg. A-1.12, column lines B-1, C-1, & C2 on pg. A-1.13 for examples of these columns. Please provide a column type & detail of this fireproofed column.

Response: All structural columns to be fireproofed. see details A14 & A12 on A-4.1. Due to the scale of the plans not all Fireproofing is shown in the details.

ITEM NO. 81: *Inquiry:* Please provide the manufacturer and model number for the "Exterior Rated LCD Sign Display" shown on pg. A-11.1, detail H7. The Signage spec makes no reference to this sign.

Response: See spec section 11 00 05, also see the response to ITEM NO. 85 in this Addendum.

ITEM NO. 82: *Inquiry:* Spec section 10 00 05 references an “Art Hanging System” by STAS Picture Hanging. We understand what the product is, but the spec states that this system will be called out on the drawings as a “Picture Rail”, which we cannot locate. Please provide the location of this Art Hanging System.

Response: See sheets A-7.4 and A-7.5 and detail K8/A-7.4. They are along the west wall of orchestra lobby.

ITEM NO. 83: *Inquiry:* There is no conduit shown on the AV conduit riser drawing for all ceiling speakers that are located in hard ceilings. Please advise.

Response: The ceiling speakers that located in the hard ceilings with no direct access will need to have conduit. This will need to be coordinated with the electrical contractor. See the response to ITEM NO. 14 in this Addendum.

ITEM NO. 84: *Inquiry:* Exterior Marquee: We assume these are supposed to be incandescent bulbs based on the theme of the sign, but we just needed to confirm these are not LED or fluorescent.

Response: We want a warm color bulb similar to an old type of sign. We prefer LED so it doesn't need to be replaced often. See the response to ITEM NO. 81 in this Addendum.

ITEM NO. 85: *Inquiry:* Exterior LCD Panel: This is shown as an LCD Display. We are assuming this is supposed to be an LED Display. Typically, LCD screens are used for close viewing distances and angles. Can you confirm an LED display will suffice.

Response: The exterior LCD panels is an LED Display. Title on H7/A-11.1 and description are incorrect.

ITEM NO. 86: *Inquiry:* Interior Signs: We have determined that the List of Signs on Drawing A-11.0 does not accurately reflect the quantities or types shown on the Sign Floor Plans given (A9.1- A9.5). These floor plans do not show the entire floor and we are finding signs listed on A-11.0 that are not on the corresponding Floor Plans. We have also found that some doorways have multiple sign types and/or quantities that are not noted on A-11.0. We have attached A-9.1 and A-11.0 to show the inconsistencies. It seems we just need to base quantities off of the Floor Plans (A9.1-A9.5). Is there a way to get completed drawings showing the entire floor(s) with the signage?

Response: Please bid based on the signage in the floor plans.

ITEM NO. 87: *Inquiry:* Sign Type 13 is listed and shown on Floor Plans, but no design is specified on A11.0. Can we get a copy of this design.

Response: See the response to ITEM NO. 58 in this Addendum.

ITEM NO. 88: *Inquiry:* Please provide locations for door types X08, X12, X13. They are listed to be in CW01, but this appears to be a mistake. They actually appears to be an accidental replication of exterior door types EX101A, EX101B, & EX101C.

Response: Doors X08, X12 and X13 are duplicates, please remove these doors.

ITEM NO. 89: *Inquiry:* Please clarify the frame material for the stained glass at frame type EX03 (Details 9-12 / A8.10)? I understand it is re-using existing stained glass, but there is no description what that “frame” is around the glass to hold it.

Response: See the response to ITEM NO. 76 in this Addendum.

ITEM NO. 90: *Inquiry:* The aluminum storefronts (084313) and curtain walls (084413) appear to have a different thermal performance intention. The storefront is called to have a double thermal barrier (YES45XT) whereas the curtain wall does not (YCW750OG). This is atypical and for this project I would have assumed that it would be reversed due to the applicable wall vs. window ratio. Please confirm.

Response: Proceed to bid as noted on specification.

ITEM NO. 91: *Inquiry:* 084313-2.1.C. – This specification calls for a 2” x 4 ½” front-set, double thermal storefront. I believe that this information is in conflict. Neither Kawneer nor YKK provide a front-set, double thermal storefront (@ 4 ½” depth). The applicable details (4, 5, 6, 7 / A8.10) show a typical / single thermal storefront design. Please confirm the intent.

Response: Provide bids based on the 3 products selected in 08 43 13 -2.1 A, B or C.

ITEM NO. 92: *Inquiry:* 084313-2.1 – The door portion of both EFCO and KAWNEER call for thermal doors. The YKK product appears to simply call for a standard wide stile door. Is a thermal door (50XT) to be provided? If so, please confirm that this is intent is for the exterior aluminum doors exclusively.

Response: Yes, the exterior doors should be thermal doors. Please use the corresponding YKK product.

ITEM NO. 93: *Inquiry:* 084313-2.3-C - Please confirm that the Mapes-R panel is applicable only at frame type ‘EXSF02’ and is not intended to be the decorative metal panel at door type ‘MP’ per A8.0?

Response: There are 3 Mapes-R canopies, see F18/A-3.0, they are not decorative.

(NOTE: The wording of all “Inquiries” submitted are displayed exactly as received.)

ITEM NO. 94: *Inquiry:* 084413-2.3-A - Please confirm the applicability of the EFCO '4168' snap cover on this project? The details, sections, etc. only seem to depict a standard snap cover on the curtain walls.

Response: Snap cover EFCO 4168 is not needed. A standard snap cap is correct.

ITEM NO. 95: *Inquiry:* 084413-1.6-C.1 "Shop drawings must be prepared by the manufacturer, under the supervision of a Professional Structural Engineer" - Could this requirement be reconsidered? Usually manufacturer prepared shop drawings requirements are deleted from specifications because; a) They come at the detriment of the project in both lead-time and cost.; b) Some of the specified aluminum manufacturers do not offer this service. (*Especially for a project this size*).; c) It is in conflict with the storefront shop drawing specifications. Typically, we would self-perform the shop drawings to the project design and have an independent PE review, sign, and stamp the resulting calculations.

Response: Self performed shop drawings with PE review & stamp & calculations is acceptable.

ITEM NO. 96: *Inquiry:* Sheet PH1 highlights a crane pad that dimensions roughly 10'x15'. The maximum crane pick is around 11k pounds for the precast planks. The crane pad required to support a crane with this load capacity will exceed the suggested crane pad size drastically. Therefore, we anticipate needing to take the entire roadway on numerous occasions during the erection of the structure which would include the park lane and both drive lanes. Please confirm that this is acceptable and that it is clear that the contractor will need assistance from the owners reps and cooperation from the city to make this happen.

Response: The crane pad shown on PH1 is a diagram. Contractor to produce a site logistics plan coordinate to street closures with the Theatre and the City of Hagerstown.

ITEM NO. 97 SPECIFICATION SECTION 07 27 10 (SPECIFICATION NOT ATTACHED)

ADD Approved Substitution: Add line item 2.1-a-5 TK-Air Max 2104 Vapor Permeable

ITEM NO. 98 SHEET S-3.1 – STRUCTURAL SECTIONS (SHEET ATTACHED)

REVISE Revise stair risers and tread quantities in both Stair 1 and 2 to accommodate sidewalk elevation

(NOTE: The wording of all "Inquiries" submitted are displayed exactly as received.)

- ITEM NO. 99** SHEET A-3.1 – EXTERIOR ELEVATIONS *(SHEET ATTACHED)*
- REVISE** Revise height of Doors EXS101B, EXS101A and EX100 per sidewalk elevations
- ITEM NO. 100** SHEET A-6.11– STAIR 1 PLANS AND SECTIONS *(SHEET ATTACHED)*
- REMOVE** Remove 2 risers at Stair 1 to accommodate sidewalk elevations
- REVISE** Center Door EX100
- ITEM NO. 101** SHEET A-6.12– STAIR 2 PLANS AND SECTIONS *(SHEET ATTACHED)*
- REVISED** Re-Arrange Stair to accommodate sidewalk elevation
- ITEM NO. 102** SHEET A-8.8– STAIR 1 PLANS AND SECTIONS *(SHEET ATTACHED)*
- REVISE** Revise door EX100 elevation to match sidewalk. Center Door in facade and replace sidelights with Metal Panels “MP” on sides.
- ITEM NO. 103** SHEET A-8.10– STAIR 1 PLANS AND SECTIONS *(SHEET ATTACHED)*
- REVISE** Revise SF Mullion Detail 6A
- ITEM NO. 105** SHEET M-2.1 – BASEMENT FLOOR PLAN – MECHANICAL *(SHEET ATTACHED)*
- REVISE** O/A intake ductwork serving electrical room. Ductwork to be re-routed through laundry room. See attached revised sheet M-2.1
- ADD** Drawing Note #12 to read “Ductwork through laundry room. Install above drop ceiling. Remove/Replace ceiling tiles to accommodate installation of ductwork.”
- ADD** Thermostat to electrical room to be interlocked with F-4. See attached revised sheet M-2.1
- ITEM NO. 106** SHEET E-5.1 – SCHEMATIC POWER RISER DIAGRAMS *(SHEET ATTACHED)*
- REVISE** Riser Diagram per E-5.1.
- ADD** Surge Protection Device (SPD) to MSB.

(NOTE: The wording of all “Inquiries” submitted are displayed exactly as received.)

- REVISE** Drawing Note #15 to read: “6 sets...”
- ADD** Drawing Note #18 to read: “intercept feed to Laundry Room panelboard and extend to disconnect at wire trough via 2 sets (3) 350kcmil + #1GW – 2-1/2”C.
- ITEM NO. 107** SHEET E-7.1 – PANELBOARD SCHEDULES – (DRAWING NOT ATTACHED)
- REVISE** MSB rating from 1200A to 1600A (100% Rated) LSIG MCB.
- ITEM NO. 108:** *Inquiry:* Can you please confirm the correct name for the obligee on the bid bond. There are a few variations in the specs including The Maryland Theatre in Hagerstown Maryland (pg 17 of 904); The Maryland Theatre Association (pg. 57 and 66 of 904); The Maryland Theatre (pg. 13 of 904) etc.
- Response:* The Maryland Theatre Association, Incorporated is the correct name.
- ITEM NO. 109:** Further information and clarification will be provided subsequently in a forthcoming Addendum No. 3.

Total Attachments: 9

Drawings (PDF 30x42) - 8 sheets

- S-3.1
- A-3.1
- A-6.11
- A-6.12
- A-8.8
- A-8.10
- E-5.1
- M-2.1

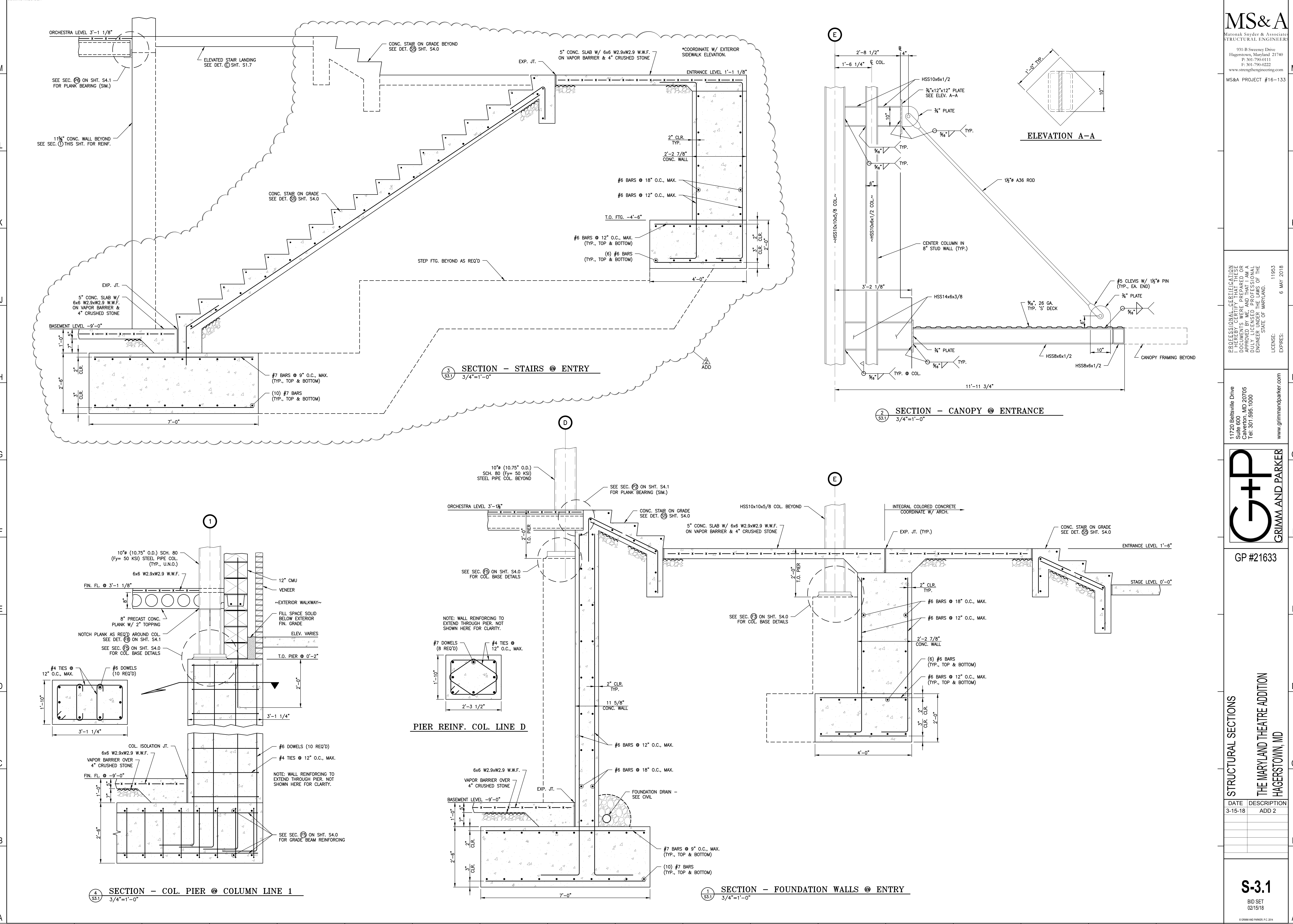
Specifications

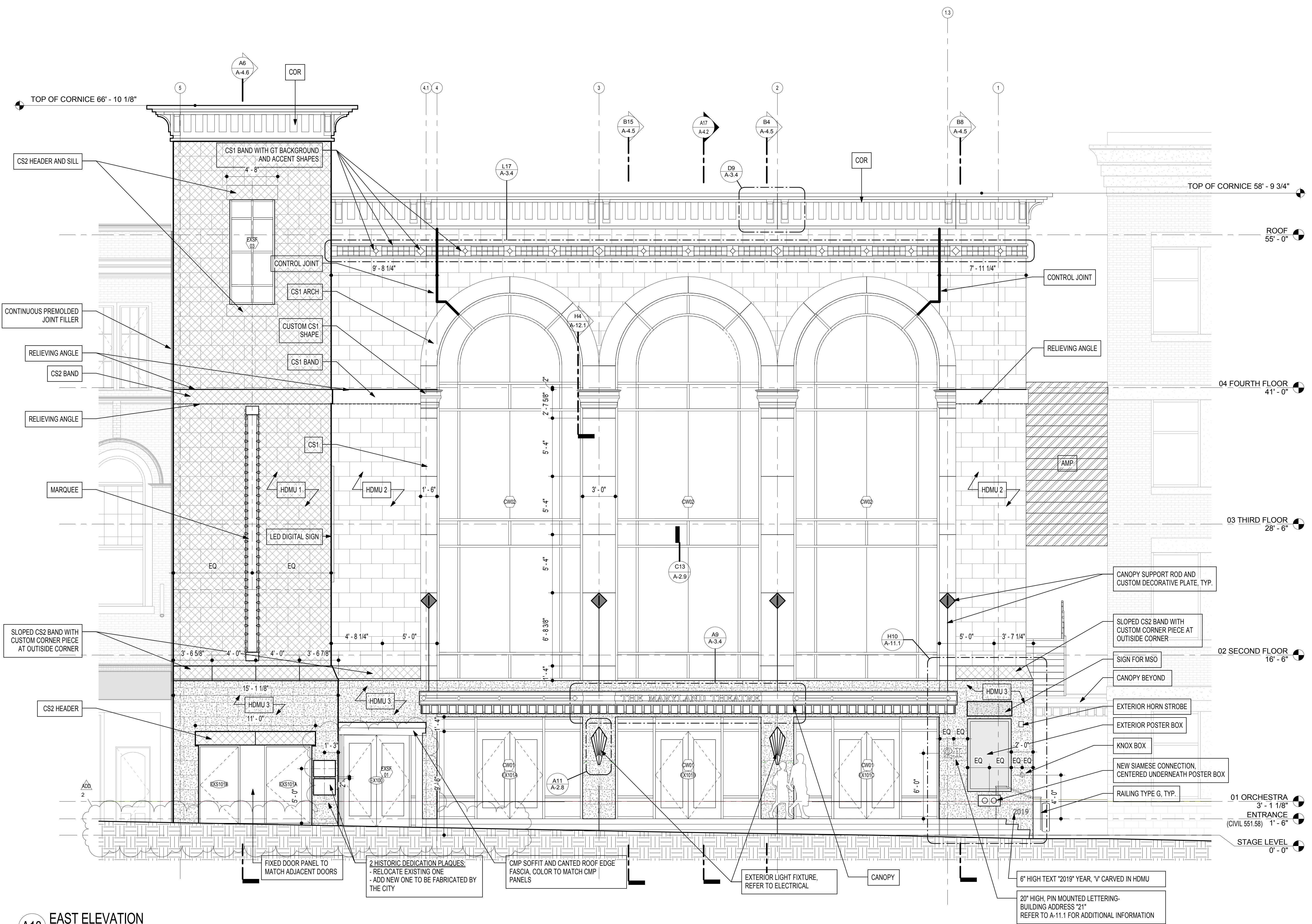
- 06 82 00 Glass Fiber Reinforced Plastic (3 pages)

BY AUTHORITY OF:



Rick F. Curry, CPPO
Director of Purchasing





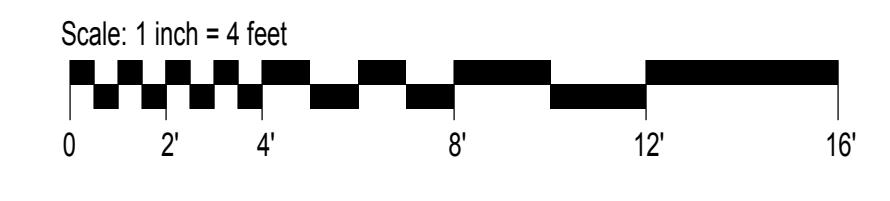
ELEVATION NOTES (NOTES APPLY TO ALL ELEVATION SHEETS)

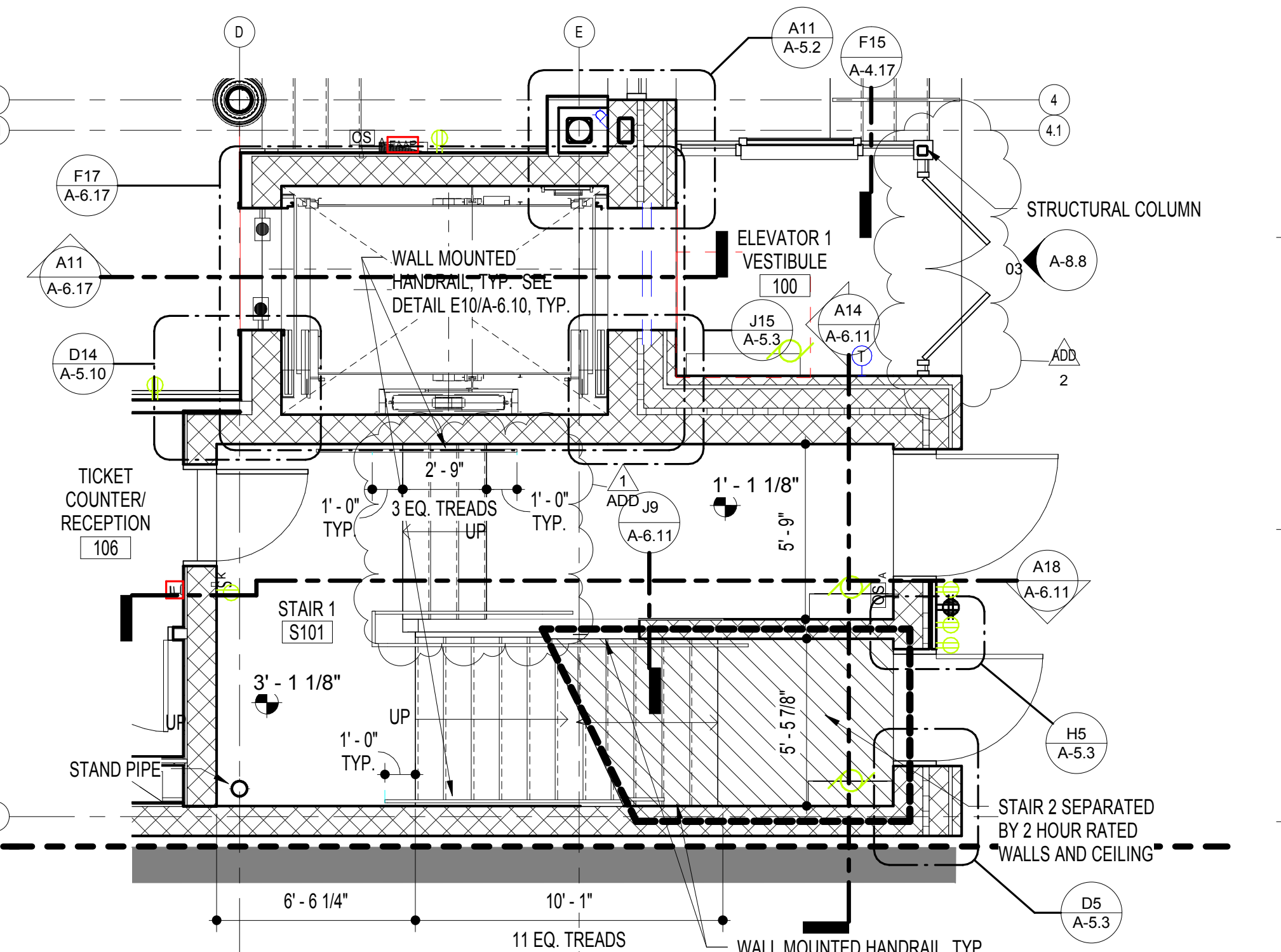
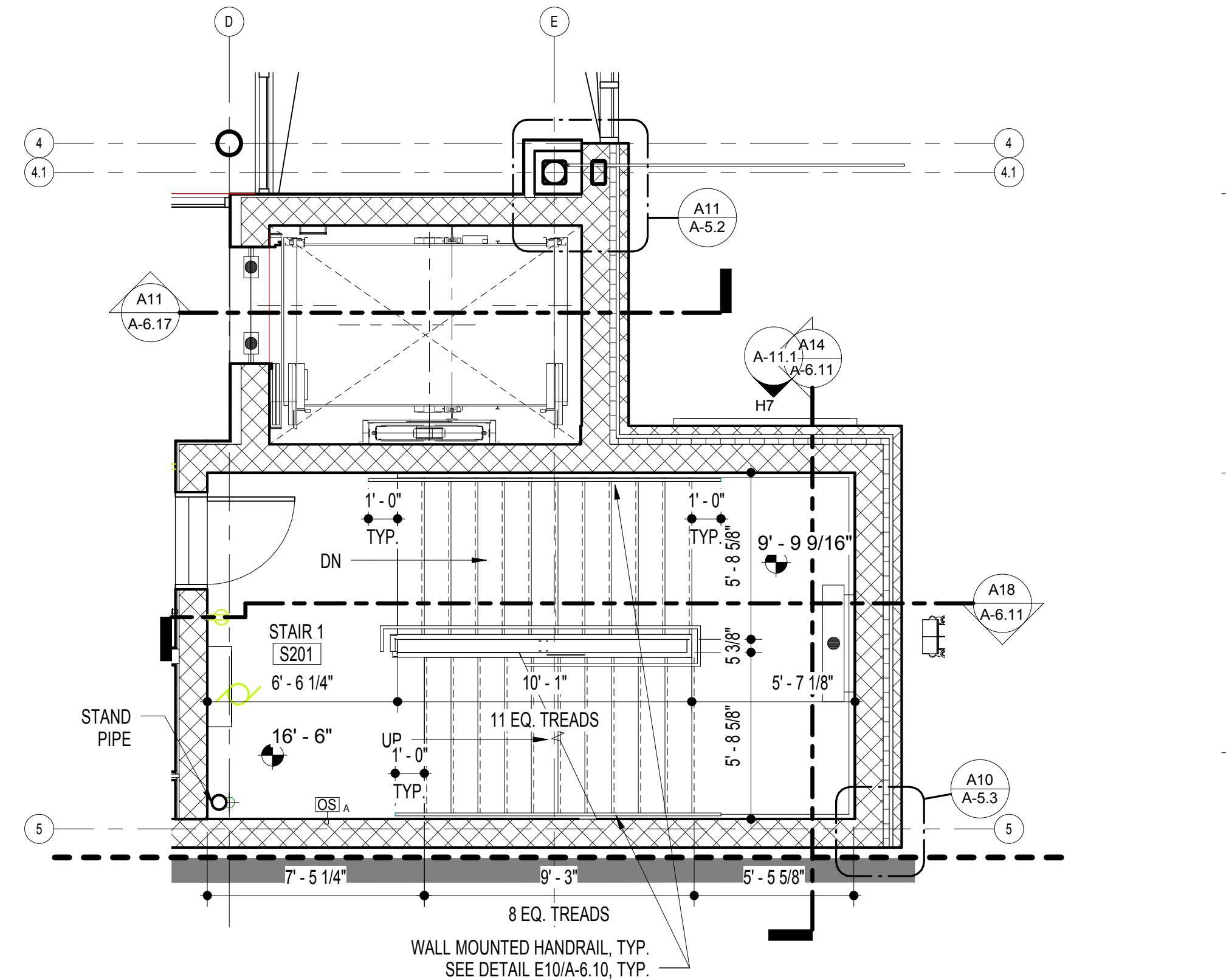
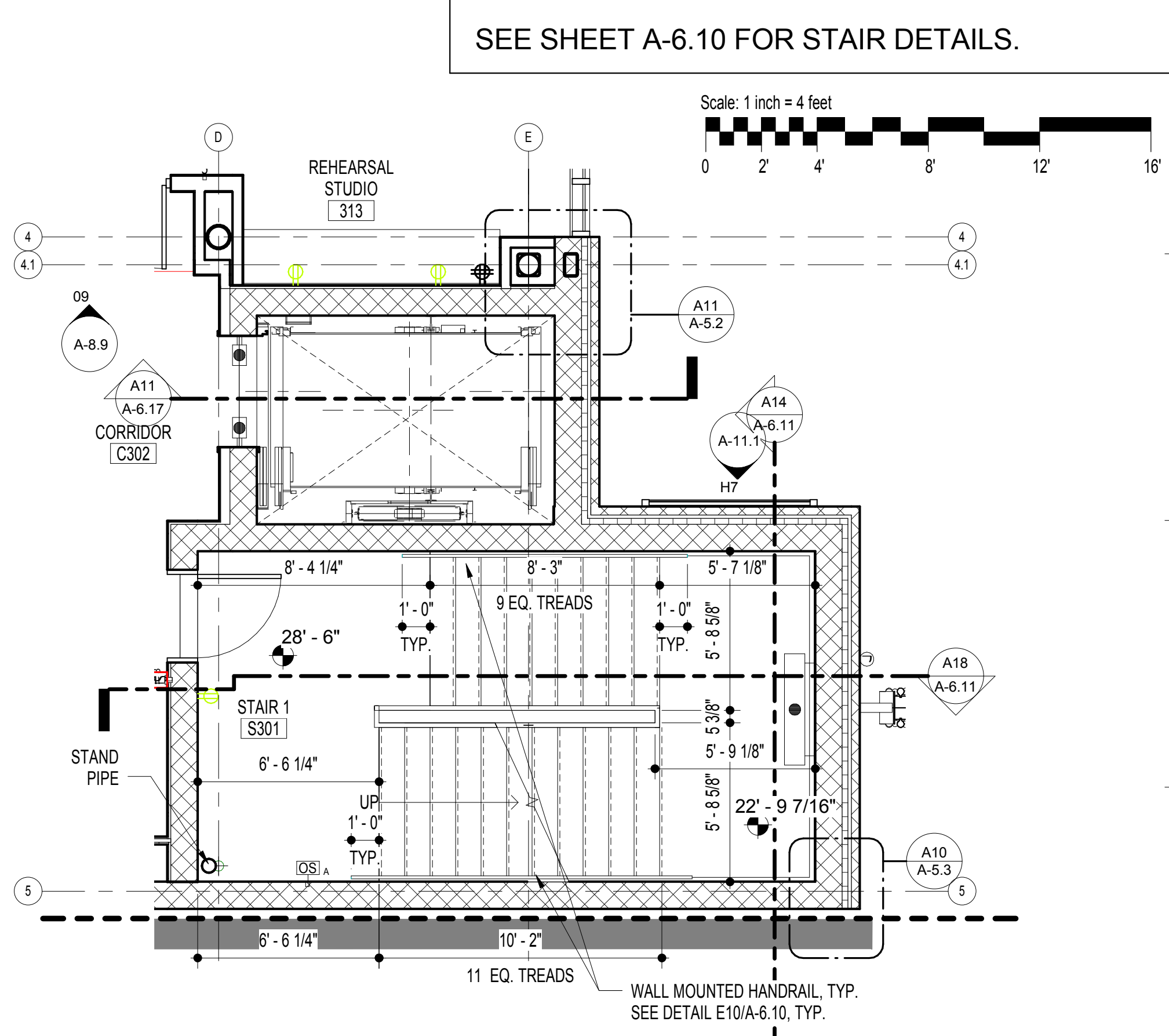
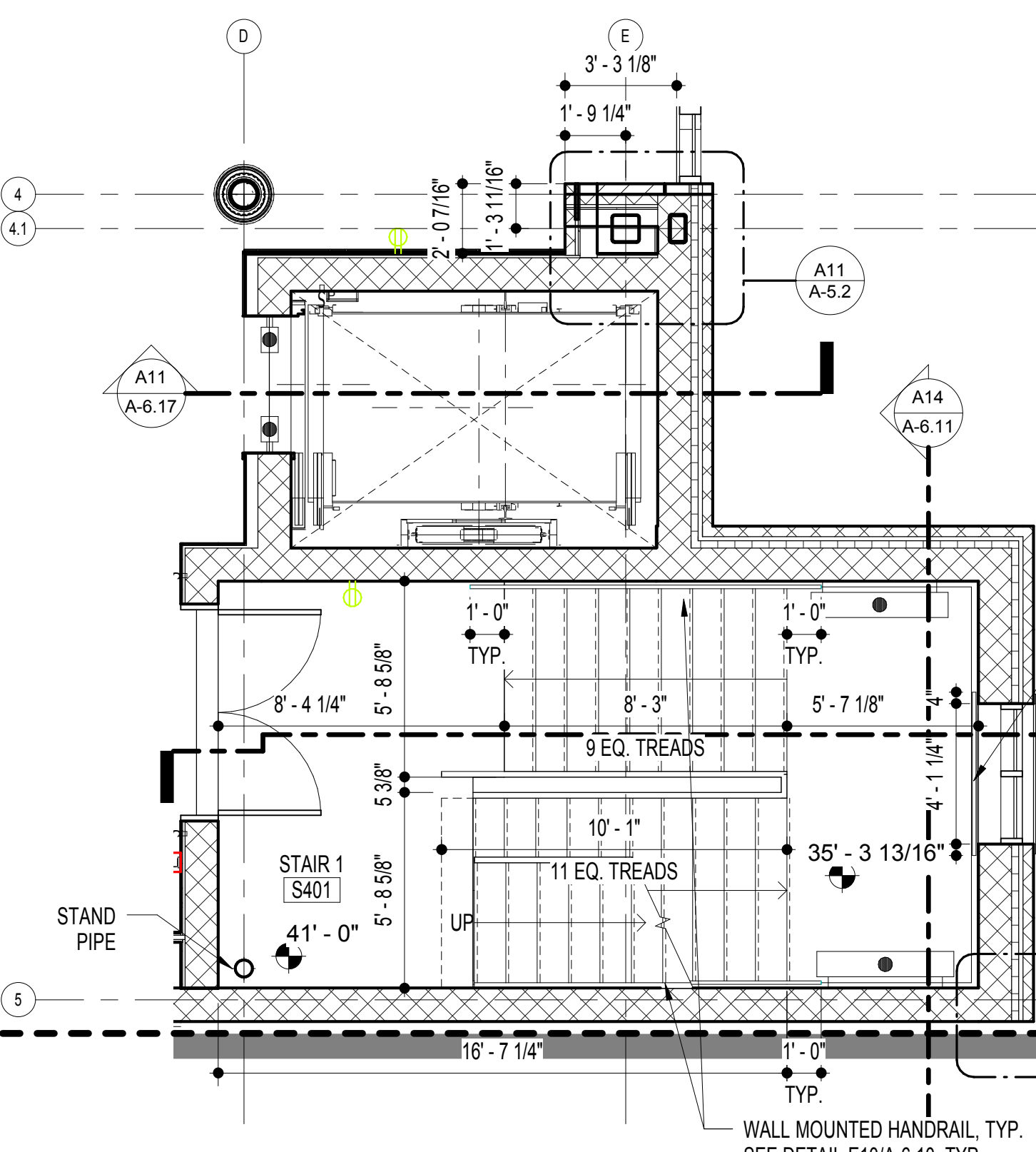
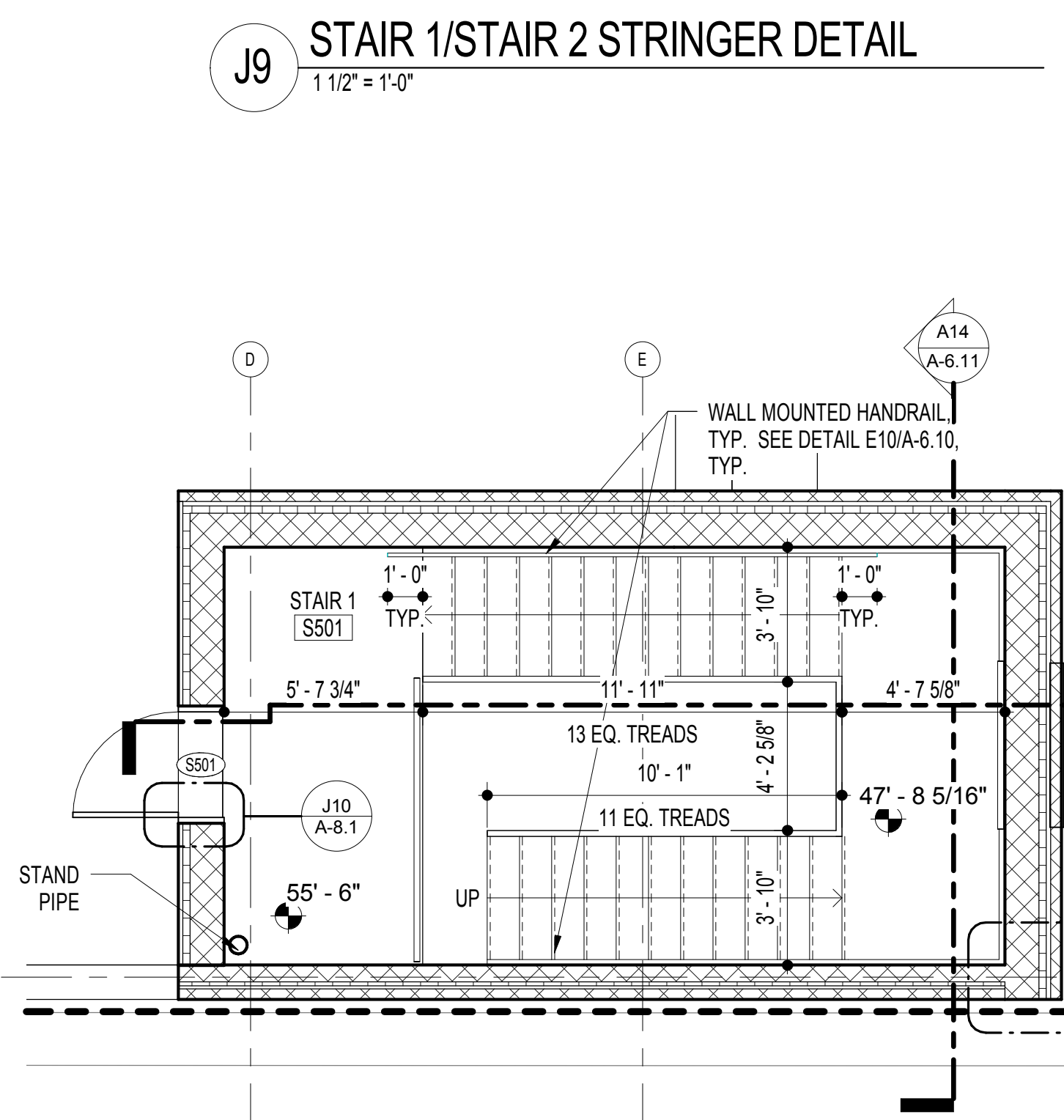
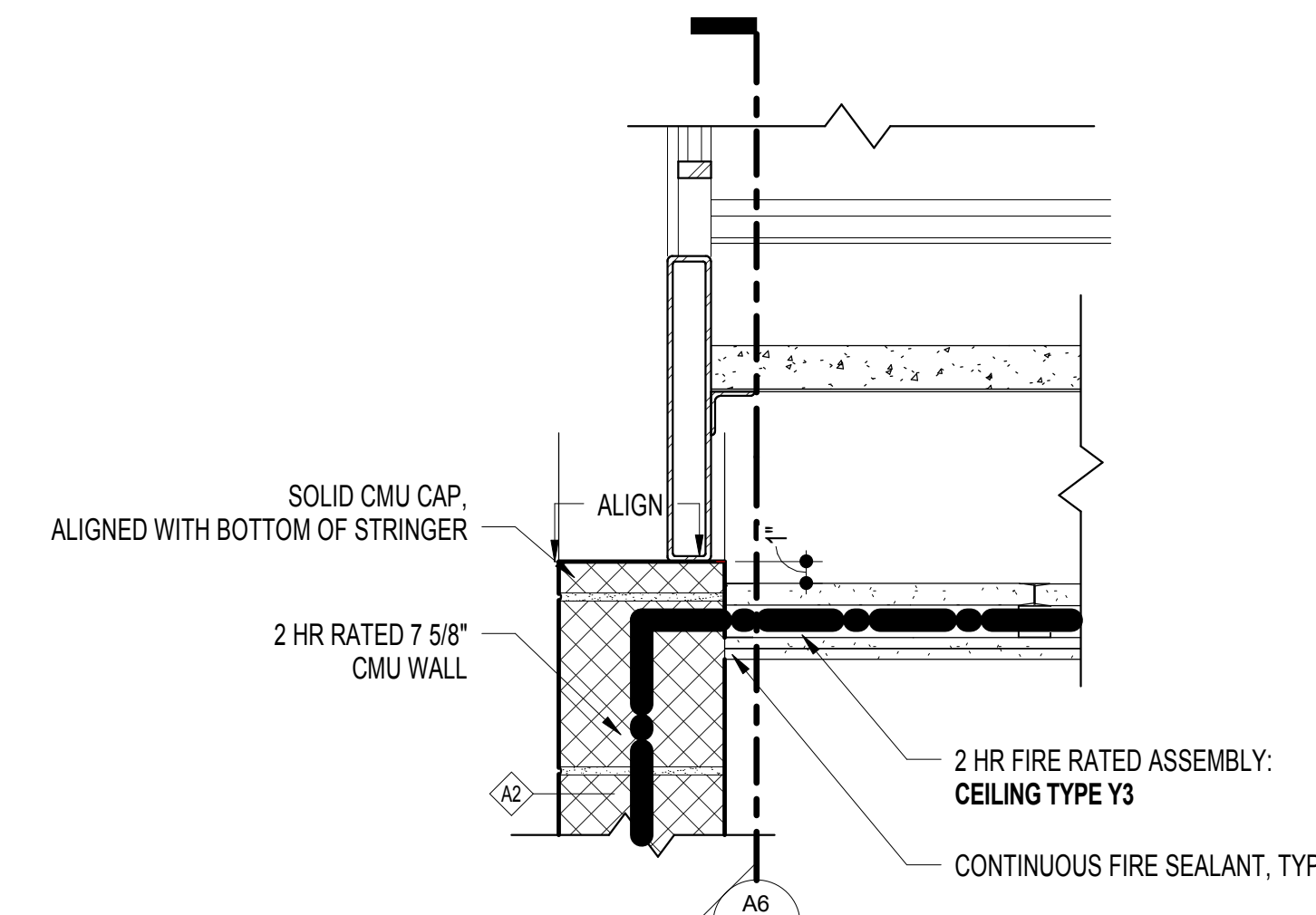
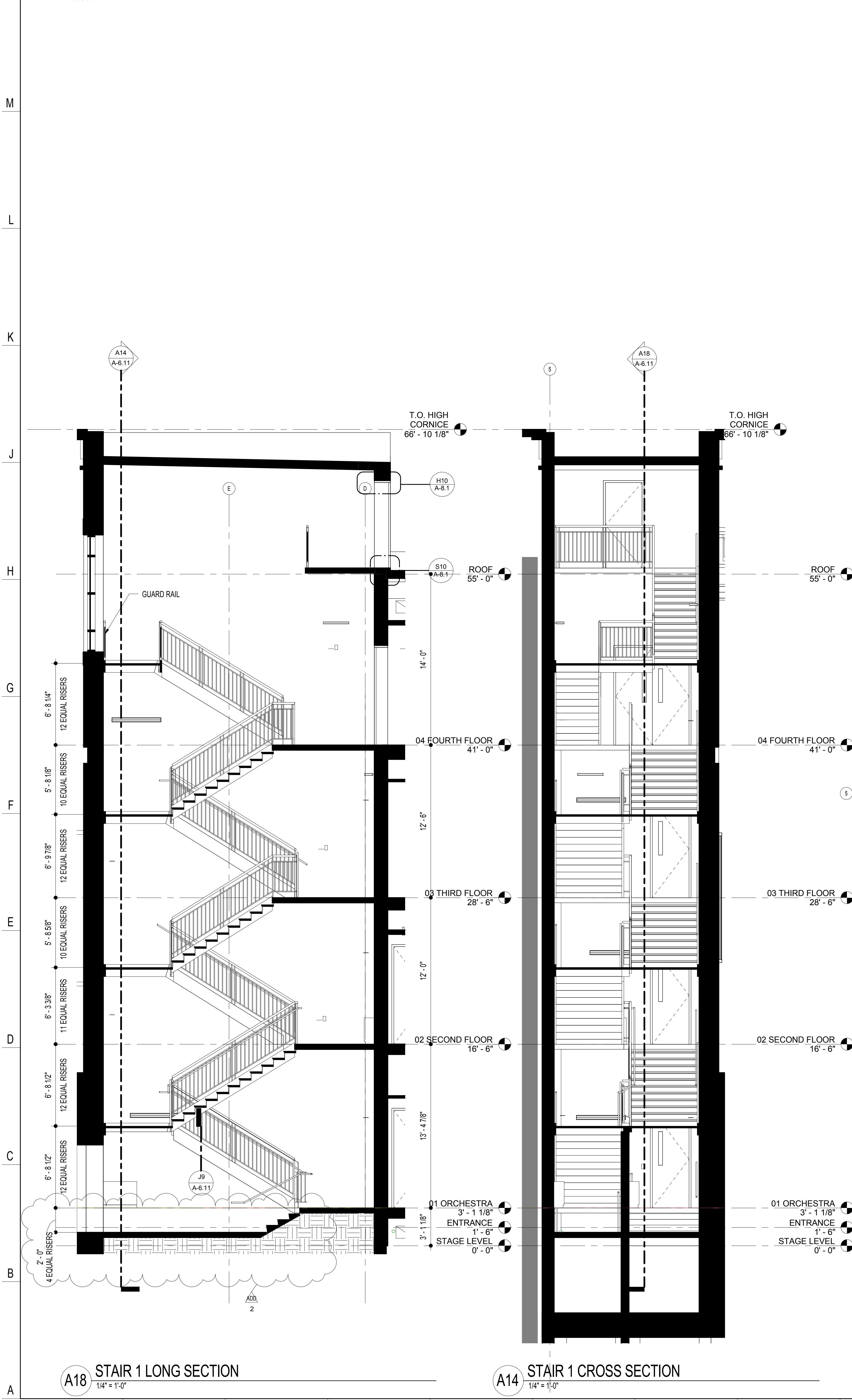
- GENERAL NOTE APPLICABLE TO ALL DRAWINGS - ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.
- REFER TO STRUCTURAL DRAWINGS FOR FOOTING ELEVATIONS.
 - MASONRY BOND PATTERN SHALL BE RUNNING BOND UNLESS OTHERWISE INDICATED. REFER TO LARGE SCALE ELEVATION DETAILS FOR MASONRY PATTERNS, BONDING, SPECIAL SHAPES AND MORTAR COLOR PATTERNS.
 - PROVIDE SEALANT AT ALL INTERSECTIONS OF DISSIMILAR MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS. ALL EXTERIOR SEALANTS TO BE A CUSTOM COLOR SELECTED BY THE ARCHITECT. MORE THAN ONE SEALANT COLOR MAY BE SELECTED FOR USE ALONG THE HEIGHT OF THE SAME JOINT TO MATCH ADJOINING MASONRY OR MORTAR.
 - ALL EXTERIOR EXPOSED STEEL TO BE FIELD PAINTED UNLESS NOTED OTHERWISE. COLOR TO BE SELECTED BY THE ARCHITECT.
 - REFER TO SHEET A-4.0A FOR TYPICAL EXTERIOR CONTROL JOINT DETAILS AND NOTES.
 - REFER TO DRAWING A-4.0A FOR TYPICAL MASONRY DETAILS AND SPECIAL MASONRY SHAPES.
 - REFER TO TYPICAL ROOF FLASHING DETAILS ON SHEET A-4.10 FOR FLASHING REQUIREMENTS.

MATERIAL KEY SEE SHEET A-9.0 FOR MORE INFORMATION

HDMU1	HDMU 1- GROUND FACE, RED
HDMU2	HDMU 2- GROUND FACE, TAN
HDMU3	HDMU 3- GROUND FACE, RED, DOUBLE CHAMFERED EDGES (DCF, TOP AND BOTTOM)
CMU1	CMU 1- SPLIT FACE, RED
CMU2	CMU 2- GROUND FACE, TAN
CS1	CAST STONE, WHITE
CS2	CAST STONE, RED- TO MATCH HDMU 1 COLOR
AMP	ALUMINUM METAL PANEL
CMP	ALUMINUM COMPOSITE METAL PANEL
PS	PREFORMED JOINT SEALER
CW	CURTAIN WALL
EXSF	EXTERIOR STOREFRONT
GT	GLASS TILE (REFER TO A-9.0 FOR COLORS)
COR	FRP CORNICE
	COPING- ALUMINUM, COLOR TO MATCH CORNICE
	CANOPY
	MARQUEE
	LED DIGITAL SIGN
	EXTERIOR POSTER BOX

A18 EAST ELEVATION
1/4" = 1'-0"





SEE SHEET A-6.10 FOR STAIR DETAILS.



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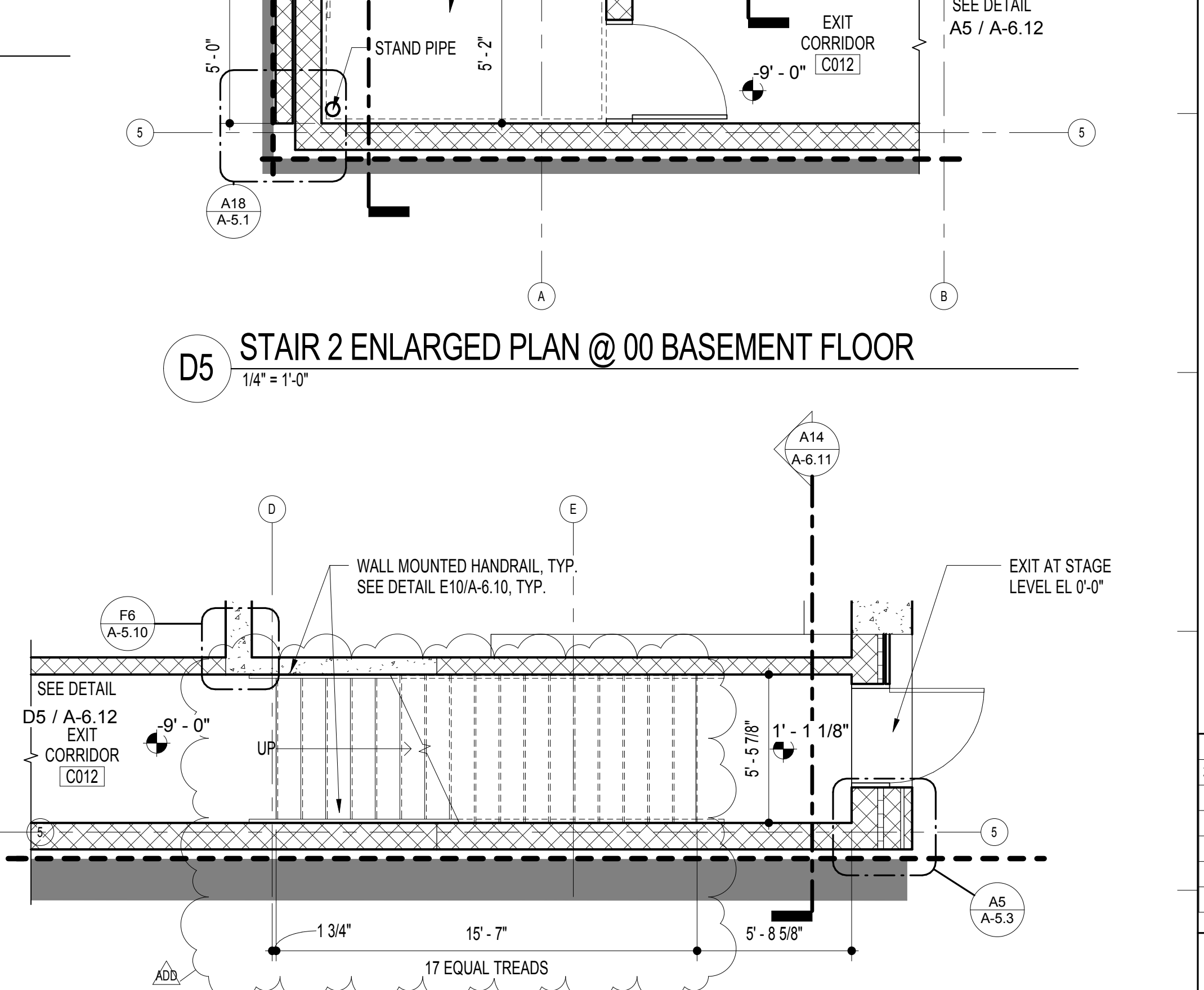
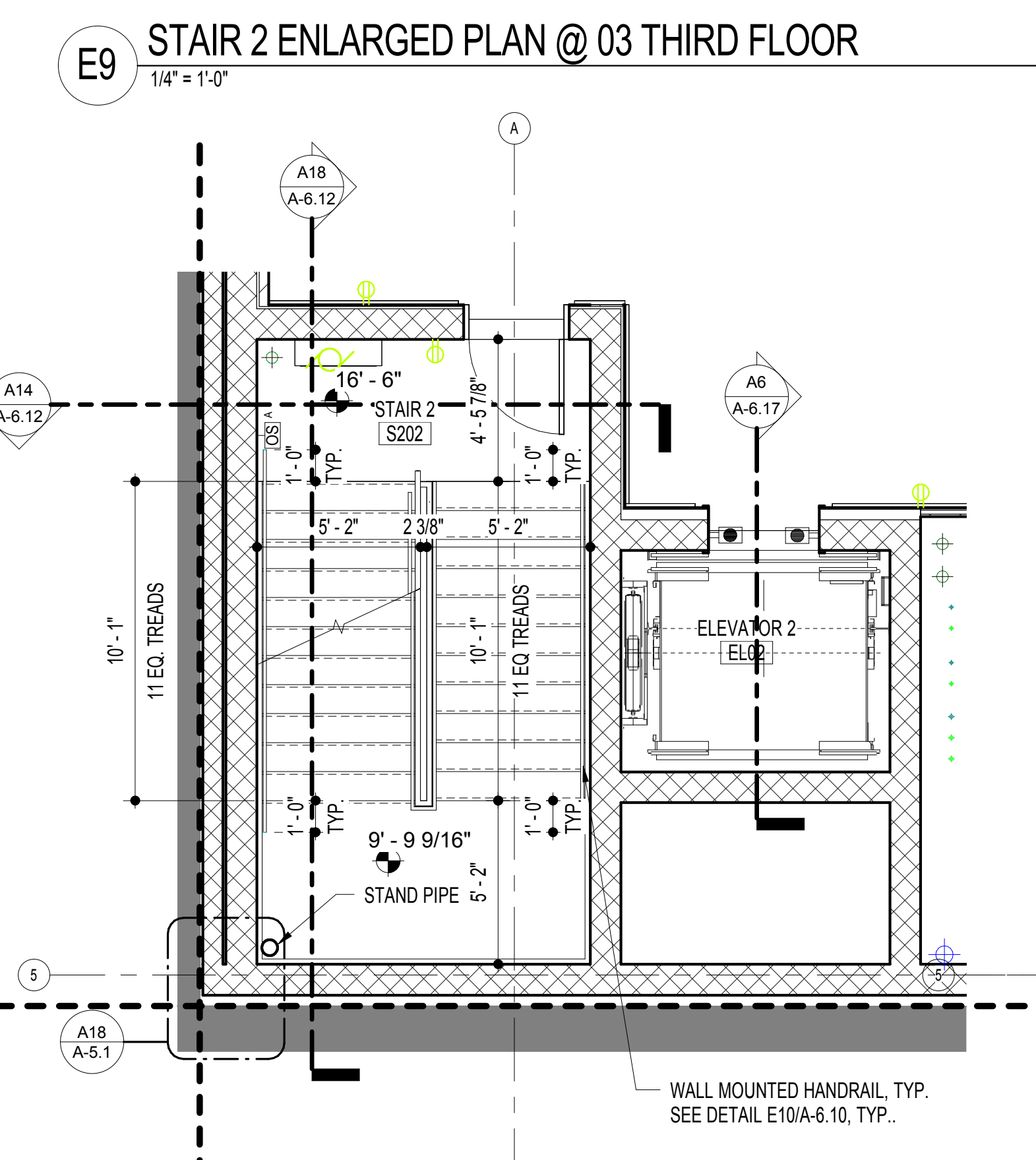
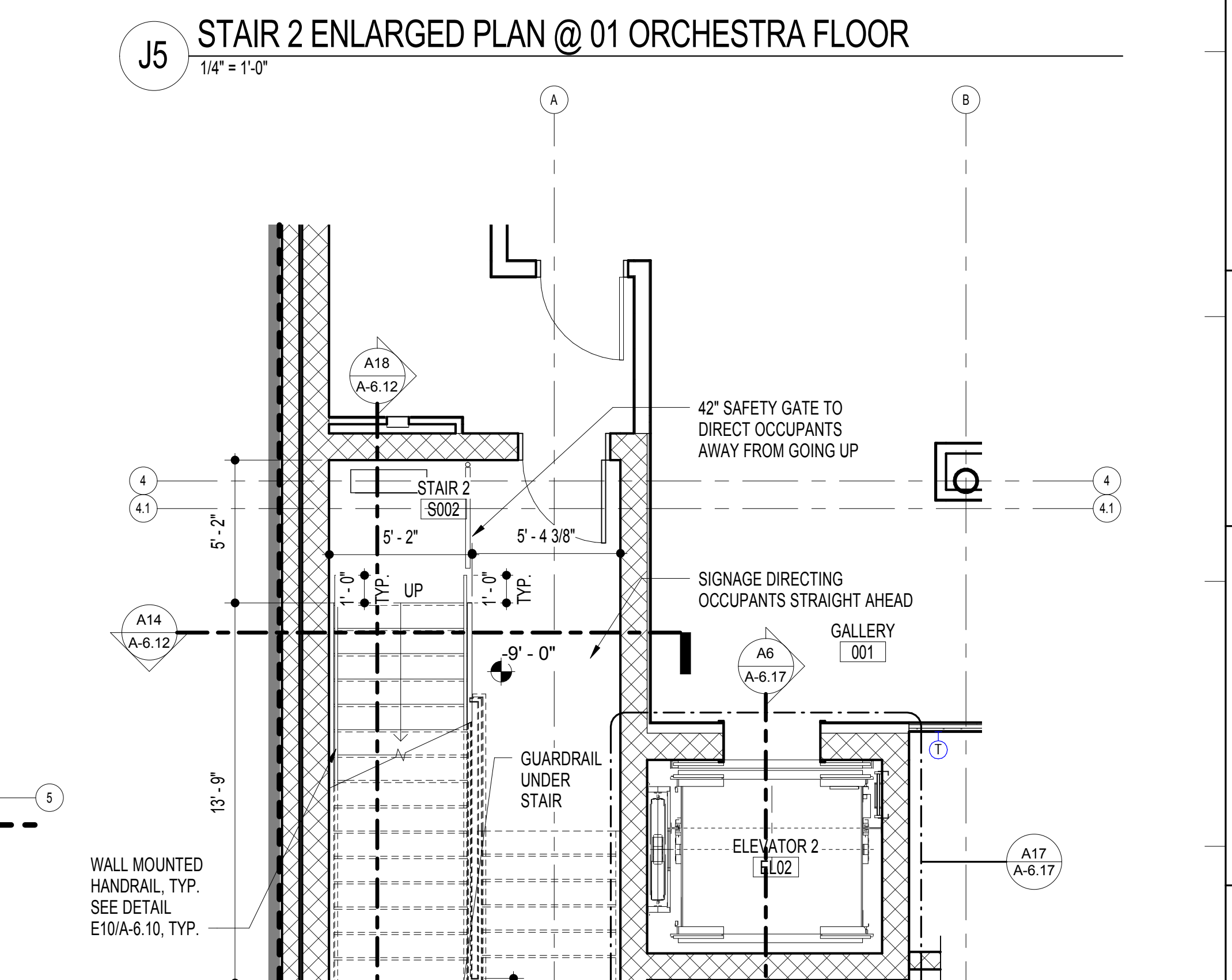
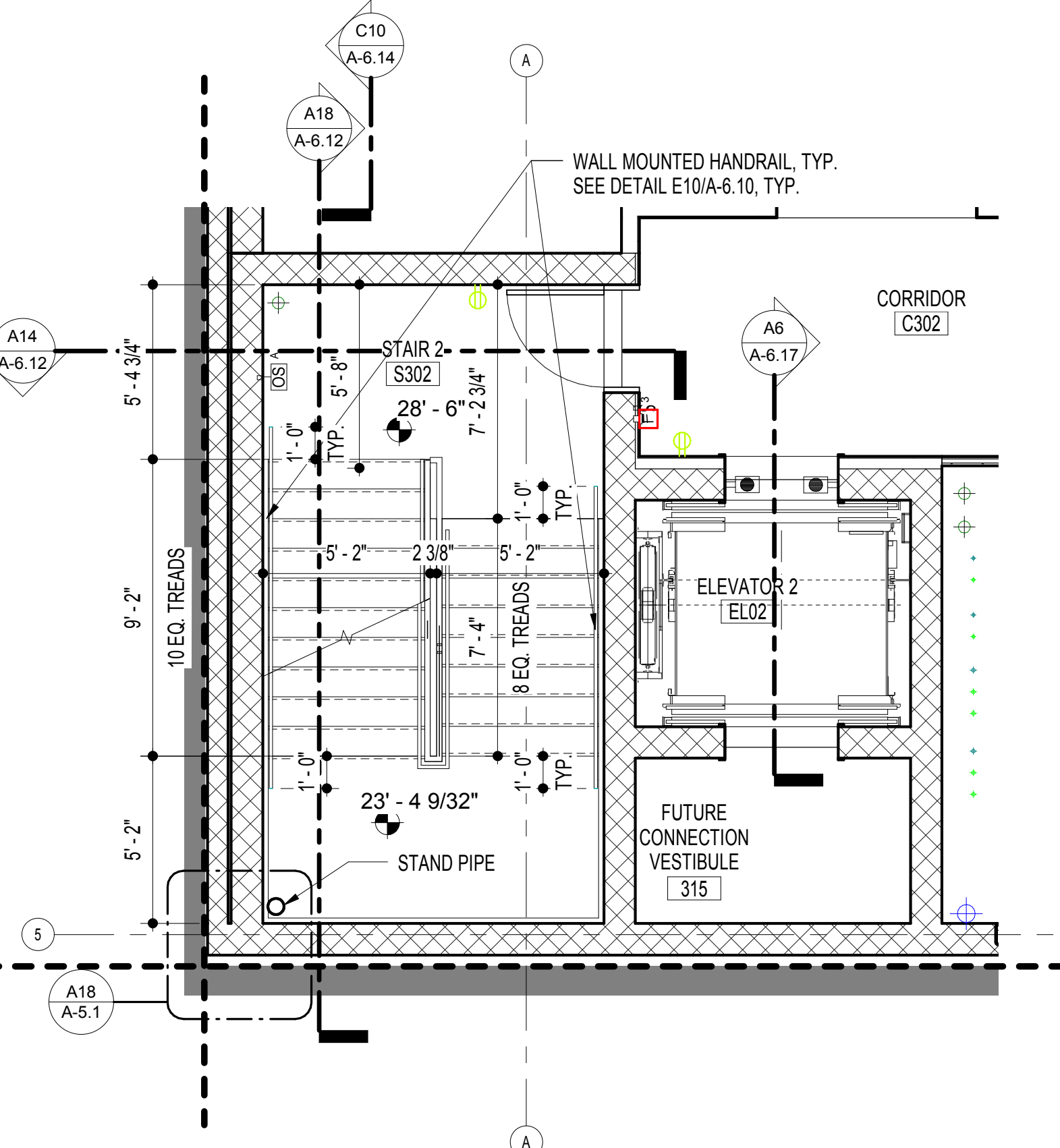
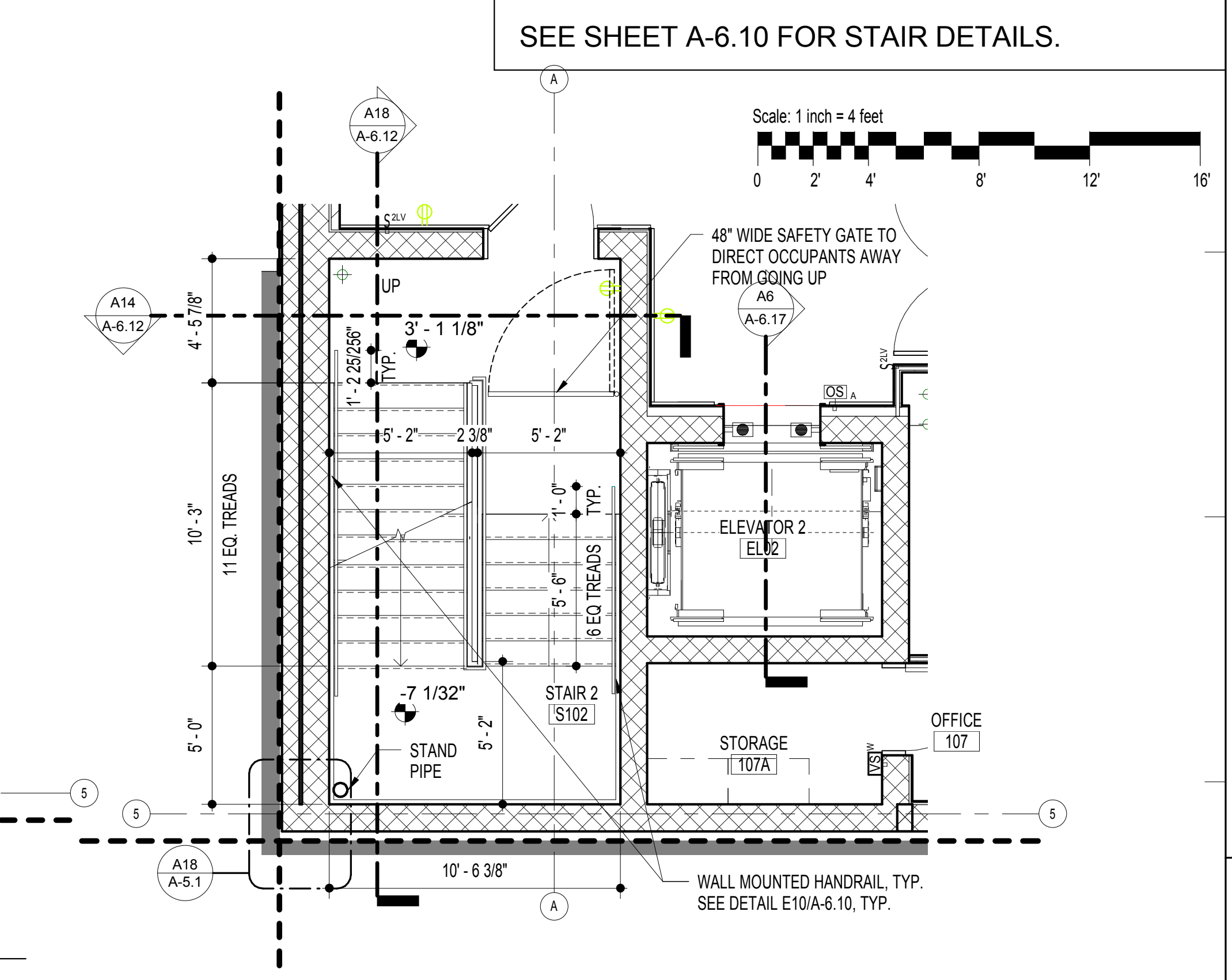
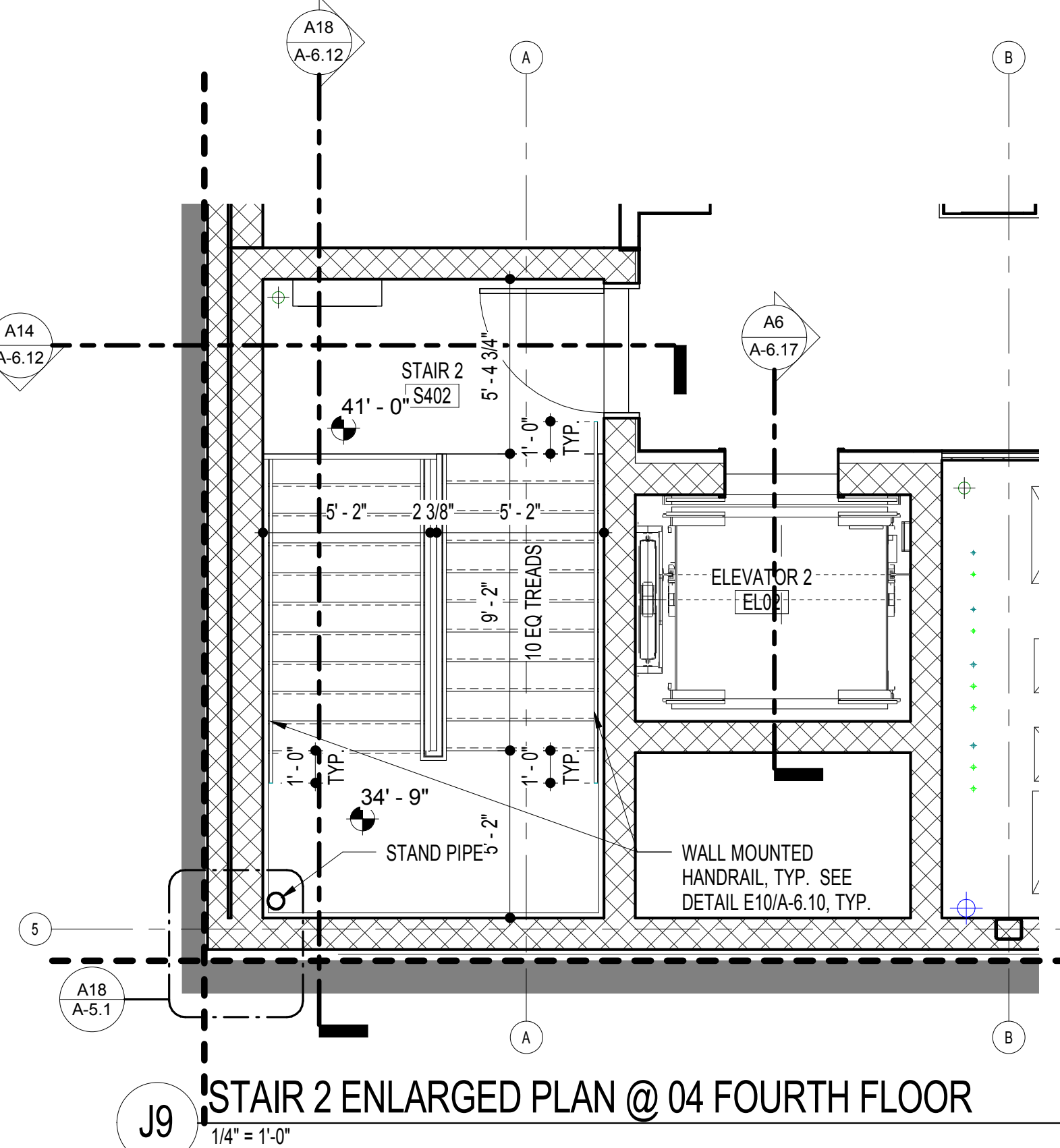
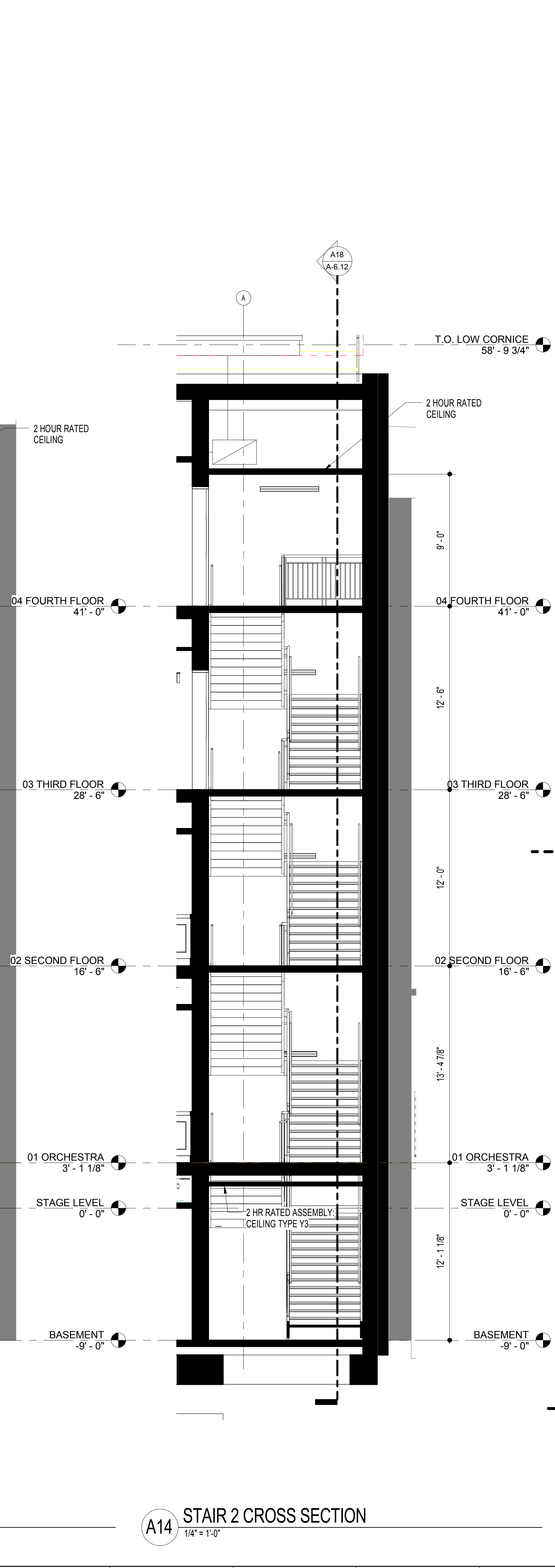
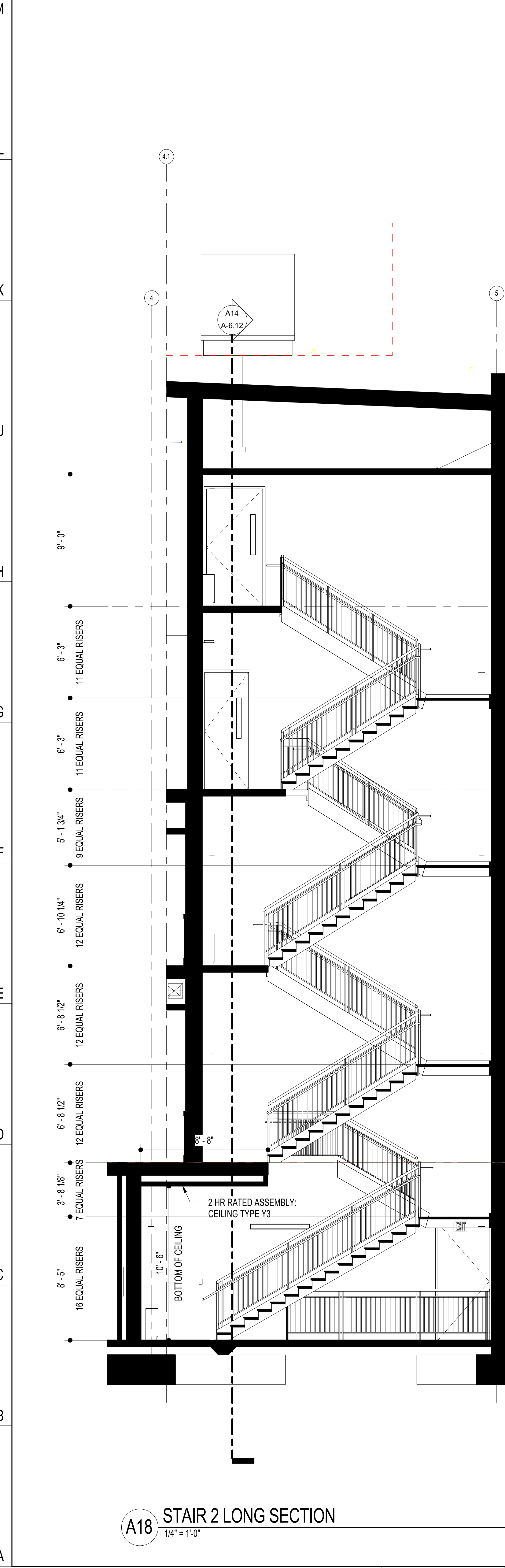


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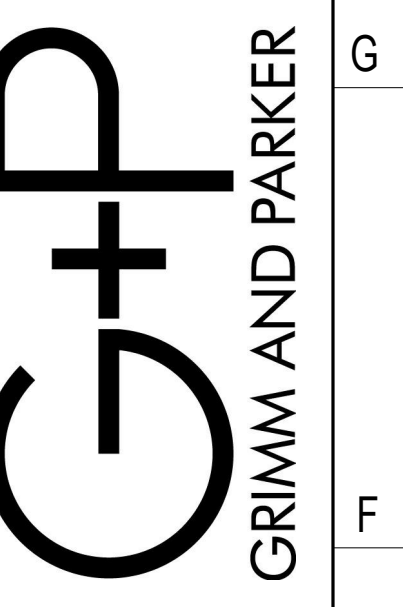
STAIR 1 PLANS AND SECTIONS
THE MARYLAND THEATRE EXPANSION & RENOVATION
21 SOUTH POTOMAC ST., FAGERSTOWN, MD 21740

DATE	DESCRIPTION
3/16/18	ADD 2

A-6.11
2/15/18
BID SET



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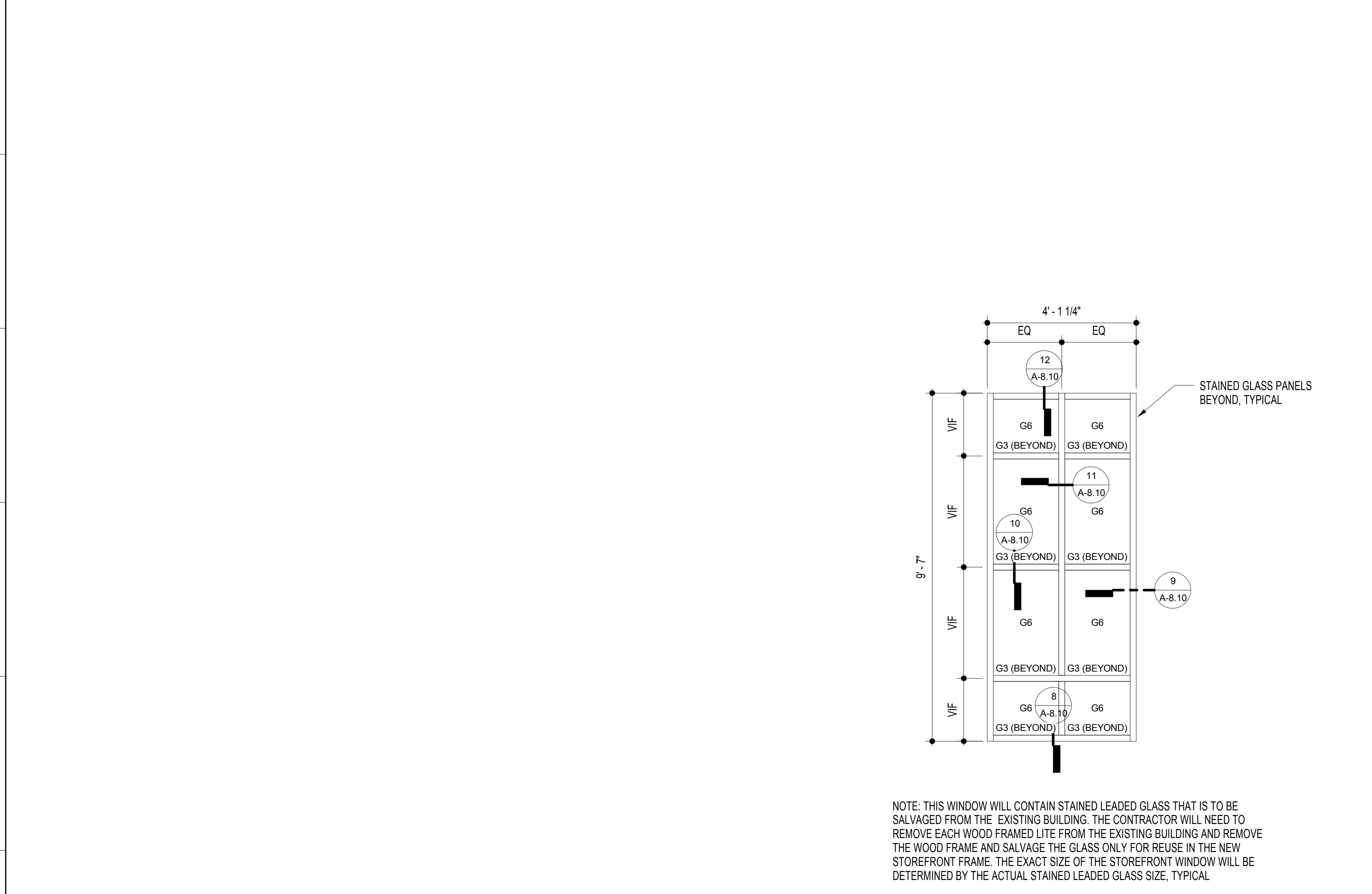


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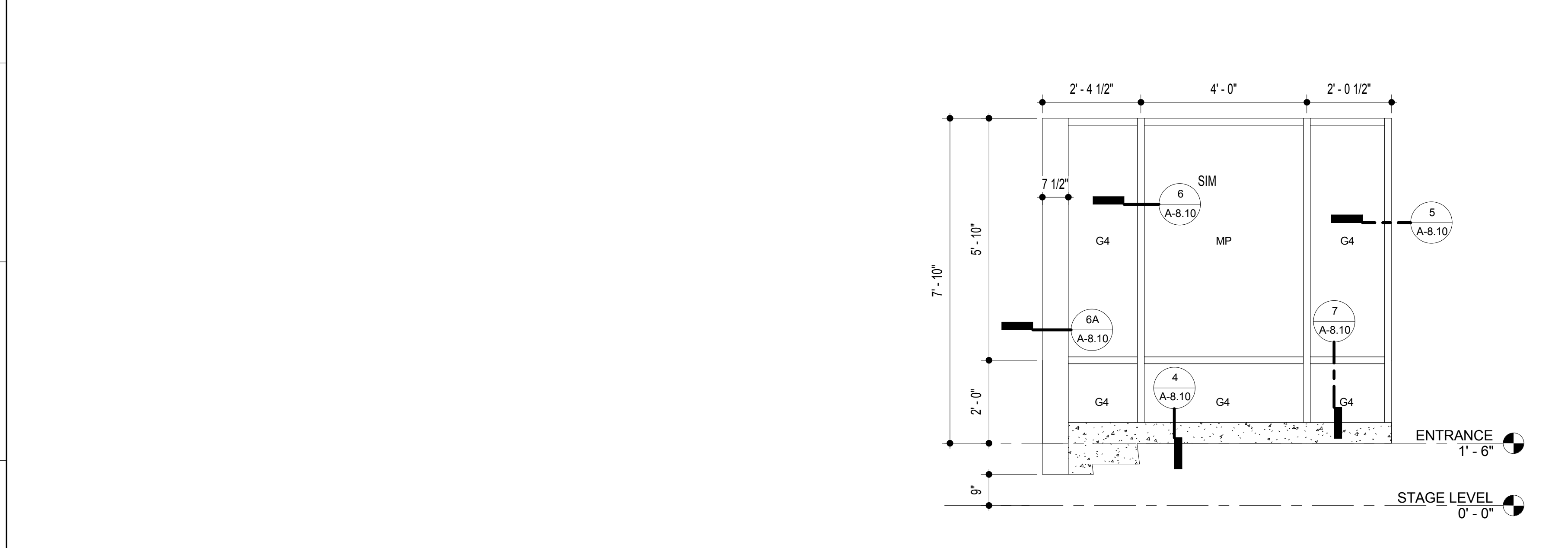
STAIR 2 PLANS AND SECTIONS
THE MARYLAND THEATRE EXPANSION & RENOVATION
21 SOUTH POTOMAC ST., HAGERSTOWN, MD 21740

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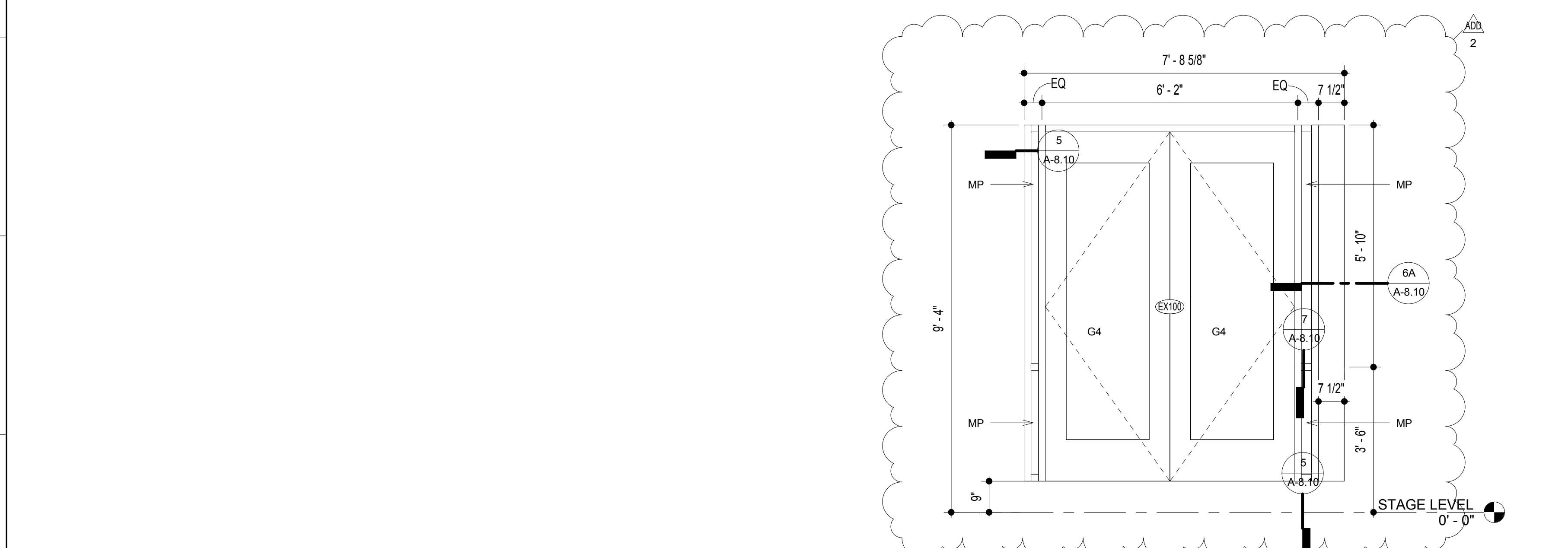
A-6.12
2/15/18
BID SET



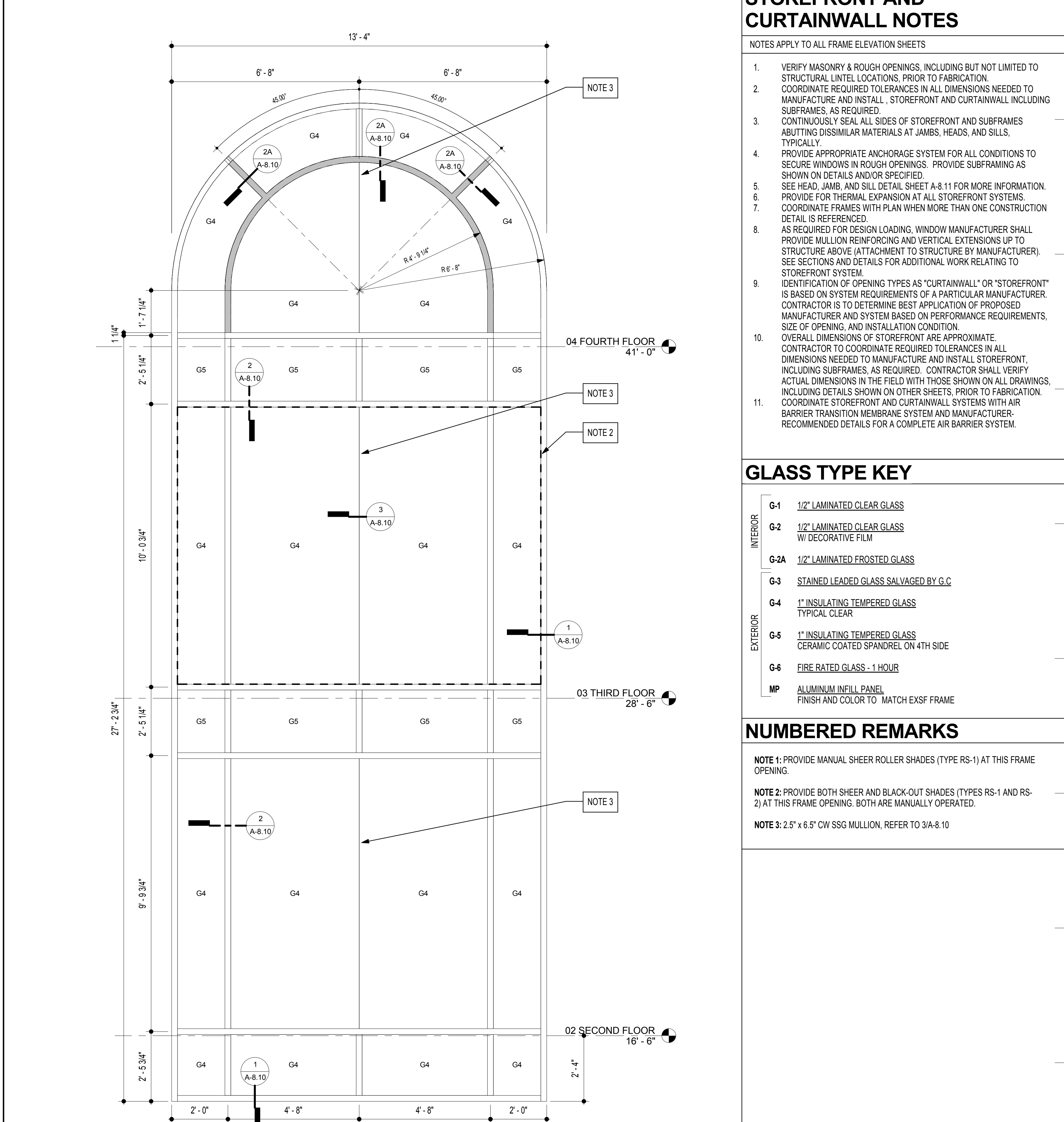
05 EXSF ELEVATION- EXSF03
1/2" = 1'-0"



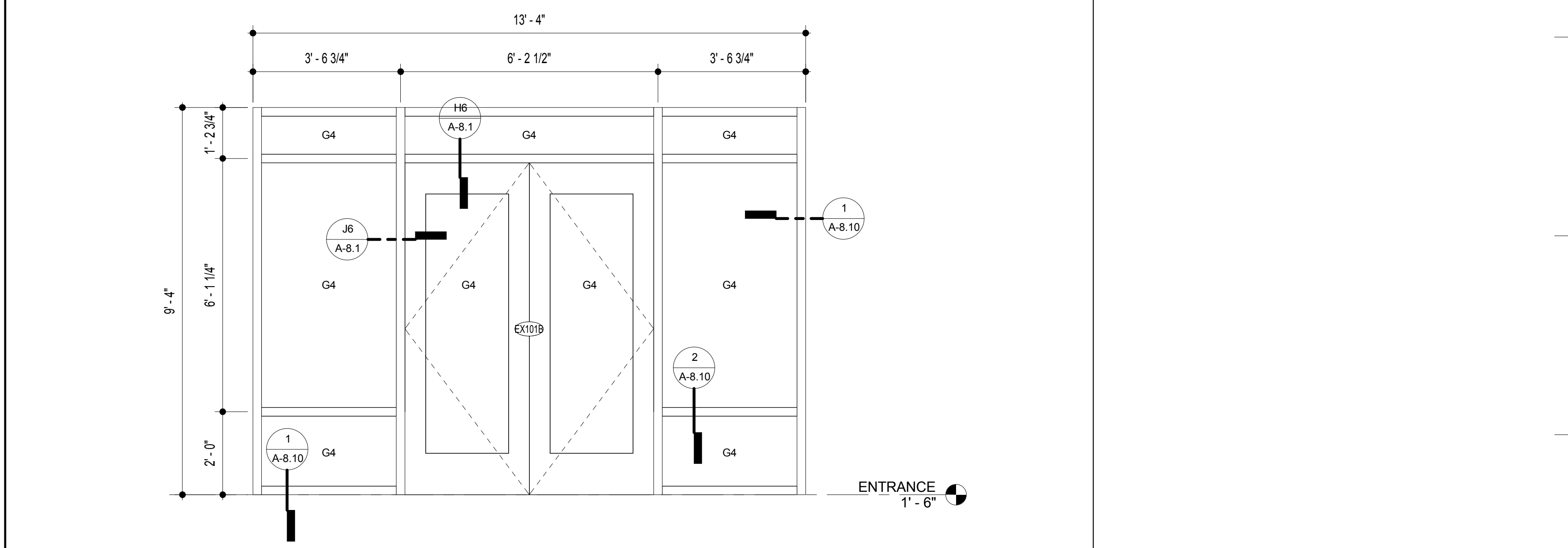
04 EXSF ELEVATION- EXSF02
1/2" = 1'-0"



03 EXSF ELEVATION- EXSF01
1/2" = 1'-0"



02 CW ELEVATION- CW02
1/2" = 1'-0"



01 CW ELEVATION- CW01
1/2" = 1'-0"

STOREFRONT AND CURTAINWALL NOTES

- NOTES APPLY TO ALL FRAME ELEVATION SHEETS
- VERIFY MASONRY & ROUGH OPENINGS, INCLUDING BUT NOT LIMITED TO STRUCTURAL LINTEL LOCATIONS, PRIOR TO FABRICATION.
 - COORDINATE REQUIRED TOLERANCES IN ALL DIMENSIONS NEEDED TO MANUFACTURE AND INSTALL, STOREFRONT AND CURTAINWALL INCLUDING SUBFRAMES, AS REQUIRED.
 - CONTINUOUSLY SEAL ALL SIDES OF STOREFRONT AND SUBFRAMES ABUTTING DISSIMILAR MATERIALS AT JAMBS, HEADS, AND SILLS, TYPICALLY.
 - PROVIDE APPROPRIATE ANCHORAGE SYSTEM FOR ALL CONDITIONS TO SECURE WINDOWS IN ROUGH OPENINGS. PROVIDE SUBFRAMING AS SHOWN ON DETAILS AND/OR SPECIFIED.
 - SEE HEAD, JAMB, AND SILL DETAIL SHEET A-8.11 FOR MORE INFORMATION. PROVIDE FOR THERMAL EXPANSION AT ALL STOREFRONT SYSTEMS.
 - COORDINATE FRAMES WITH PLAN WHEN MORE THAN ONE CONSTRUCTION DETAIL IS REFERENCED.
 - AS REQUIRED FOR DESIGN LOADING, WINDOW MANUFACTURER SHALL PROVIDE MULLION REINFORCING AND VERTICAL EXTENSIONS UP TO STRUCTURE ABOVE (ATTACHMENT TO STRUCTURE BY MANUFACTURER). SEE SECTIONS AND DETAILS FOR ADDITIONAL WORK RELATING TO STOREFRONT SYSTEM.
 - IDENTIFICATION OF OPENING TYPES AS "CURTAINWALL" OR "STOREFRONT" IS BASED ON SYSTEM REQUIREMENTS OF A PARTICULAR MANUFACTURER. CONTRACTOR IS TO DETERMINE BEST APPLICATION OF PROPOSED MANUFACTURER AND SYSTEM BASED ON PERFORMANCE REQUIREMENTS, SIZE OF OPENING, AND INSTALLATION CONDITION.
 - OVERALL DIMENSIONS OF STOREFRONT ARE APPROXIMATE. CONTRACTOR TO COORDINATE REQUIRED TOLERANCES IN ALL DIMENSIONS NEEDED TO MANUFACTURE AND INSTALL STOREFRONT, INCLUDING SUBFRAMES, AS REQUIRED. CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS IN THE FIELD WITH THOSE SHOWN ON ALL DRAWINGS, INCLUDING DETAILS SHOWN ON OTHER SHEETS, PRIOR TO FABRICATION. COORDINATE STOREFRONT AND CURTAINWALL SYSTEMS WITH AIR BARRIER TRANSITION MEMBRANE SYSTEM AND MANUFACTURER-RECOMMENDED DETAILS FOR A COMPLETE AIR BARRIER SYSTEM.

GLASS TYPE KEY

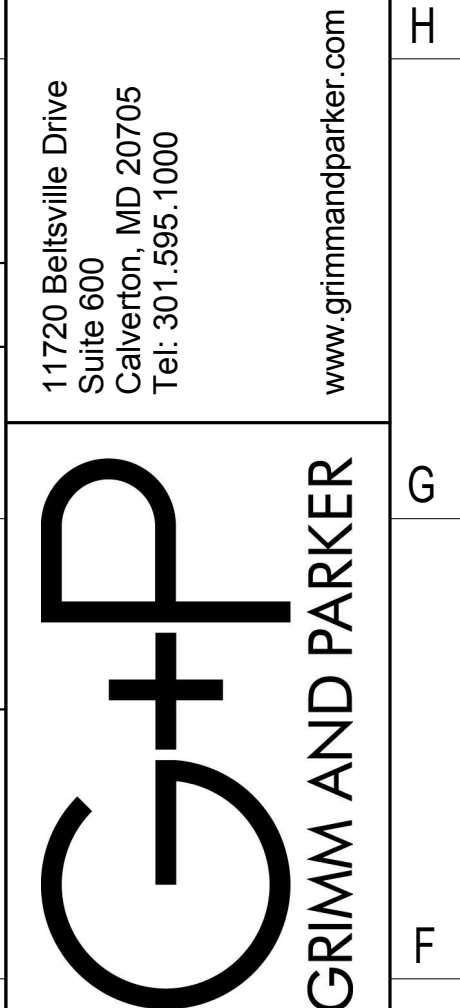
GLASS TYPE	DESCRIPTION
G-1	1/2" LAMINATED CLEAR GLASS
G-2	1/2" LAMINATED CLEAR GLASS W/ DECORATIVE FILM
G-2A	1/2" LAMINATED FROSTED GLASS
G-3	STAINED LEADED GLASS SALVAGED BY G.C.
G-4	1" INSULATING TEMPERED GLASS TYPICAL CLEAR
G-5	1" INSULATING TEMPERED GLASS CERAMIC COATED SPANDREL ON 4TH SIDE
G-6	FIRE RATED GLASS - 1 HOUR
MP	ALUMINUM INFILL PANEL FINISH AND COLOR TO MATCH EXSF FRAME

NUMBERED REMARKS

- NOTE 1:** PROVIDE MANUAL SHEER ROLLER SHADES (TYPE RS-1) AT THIS FRAME OPENING.
- NOTE 2:** PROVIDE BOTH SHEER AND BLACK-OUT SHADES (TYPES RS-1 AND RS-2) AT THIS FRAME OPENING. BOTH ARE MANUALLY OPERATED.
- NOTE 3:** 2.5" x 6.5" CW SSG MULLION, REFER TO 3/A-8.10



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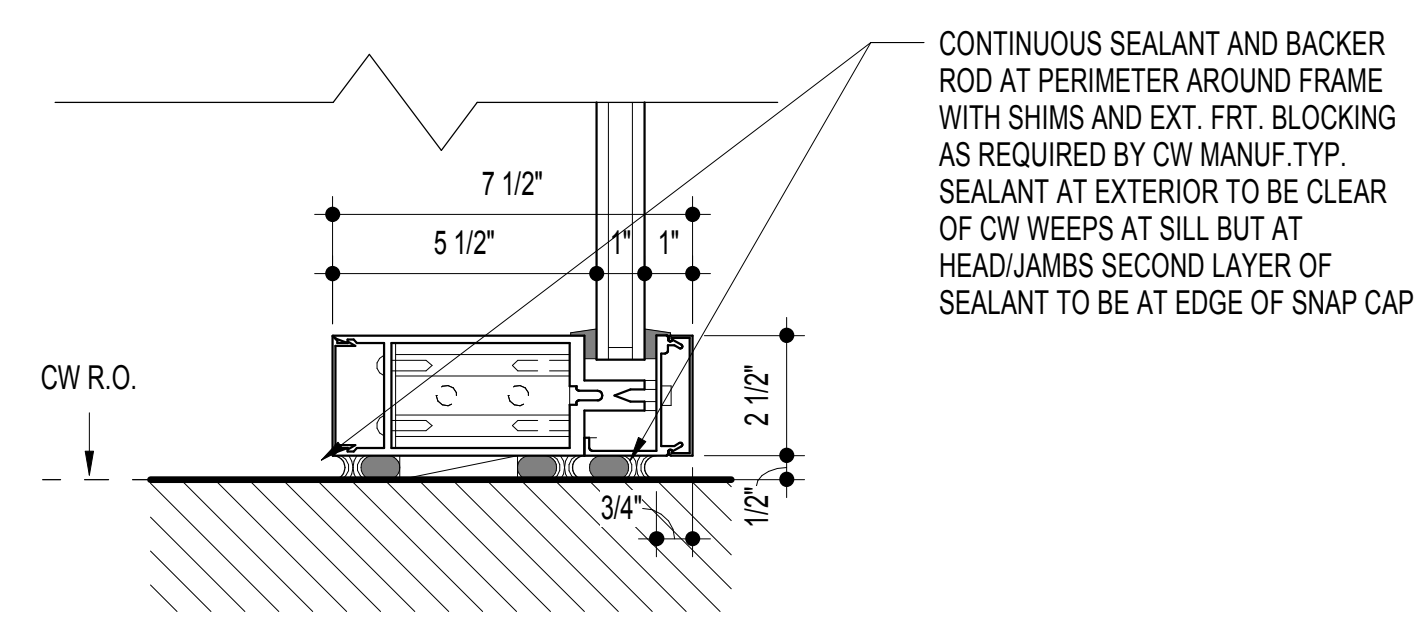
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CURTAINWALL & EXT. STOREFRONT ELEVATIONS

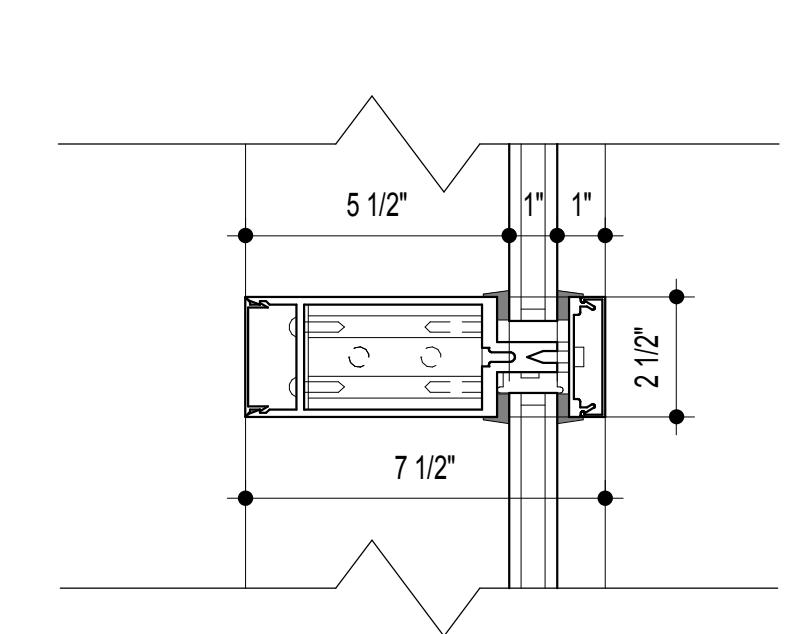
THE MARYLAND THEATRE EXPANSION & RENOVATION
21 SOUTH POTOMAC ST., HAGERSTOWN, MD 21740

DATE	DESCRIPTION
3/16/18	ADD 2

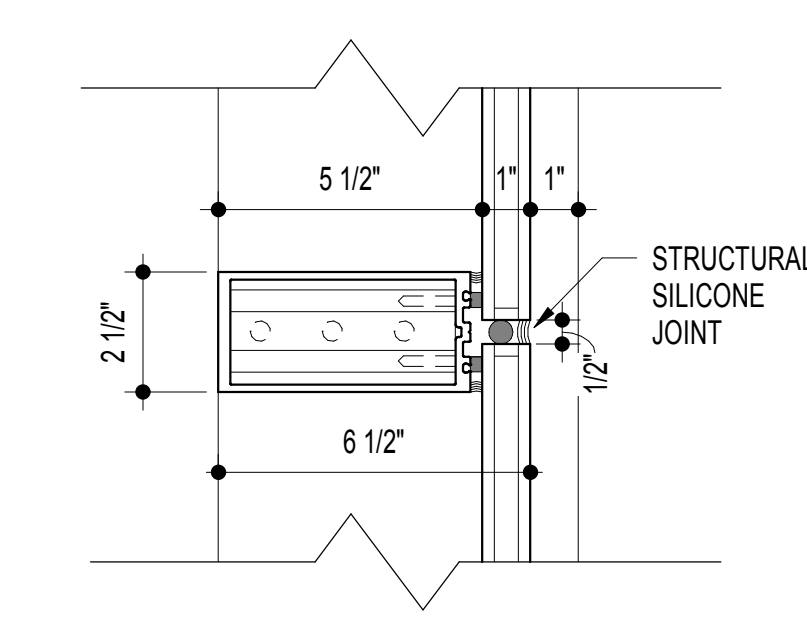
A-8.8
2/15/18
BID SET



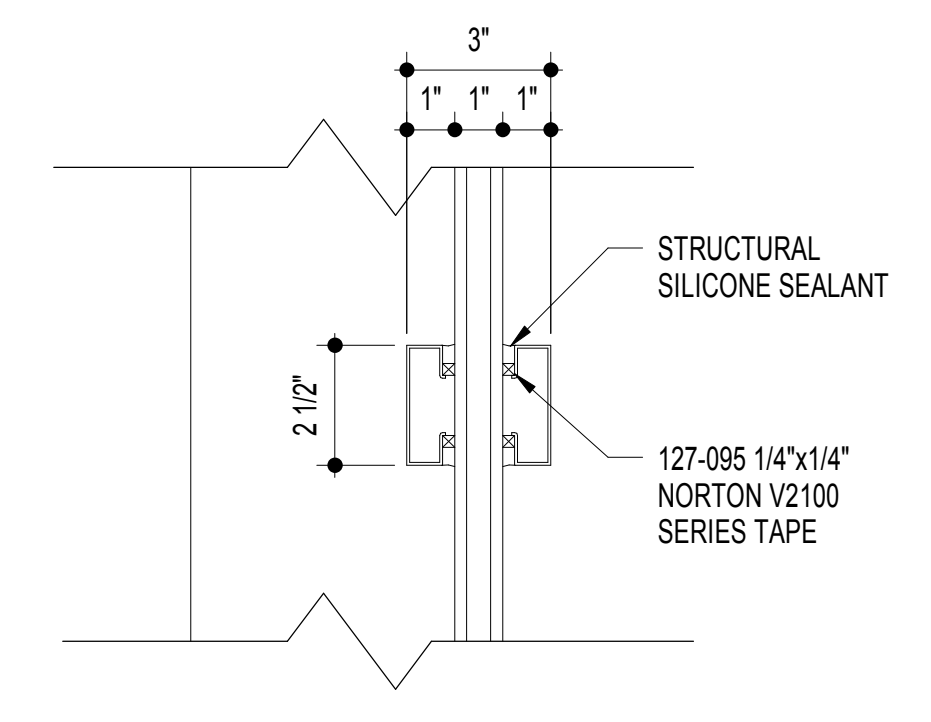
1 2.5" x 7.5" CW HEAD, JAMB AND SILL DETAIL
3" = 1'-0"



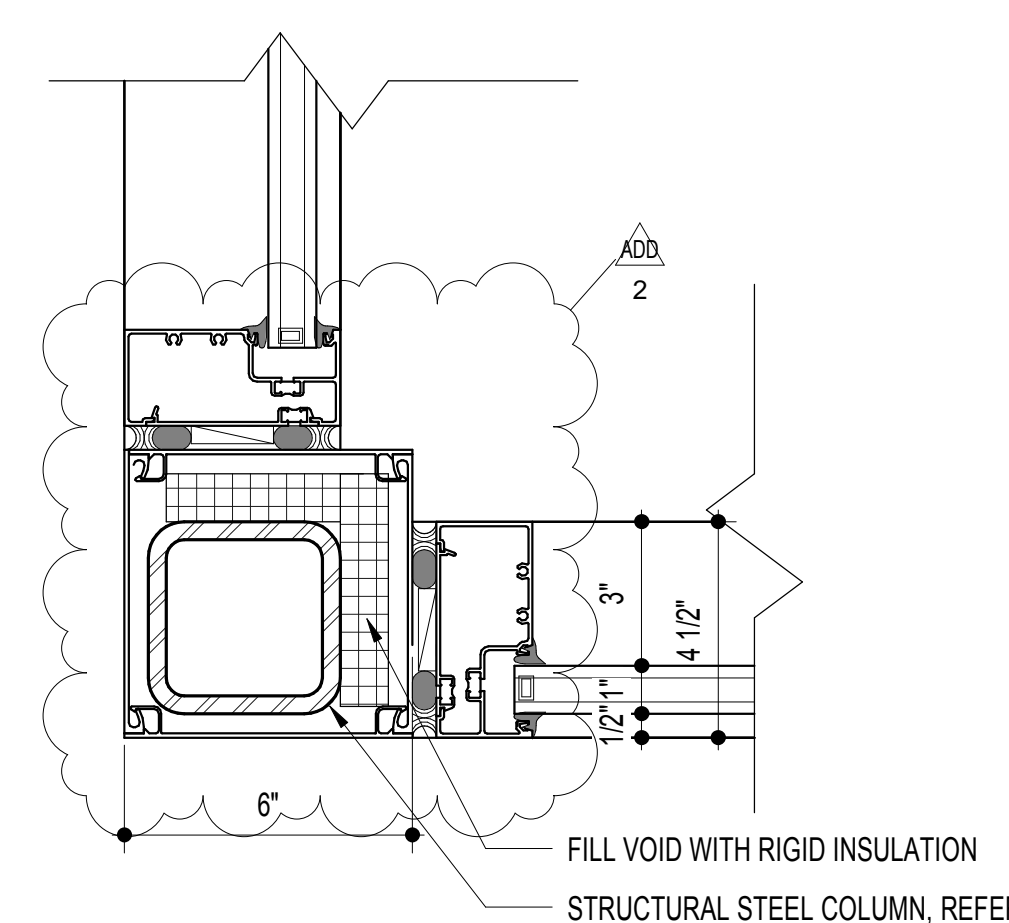
2 2.5" x 7.5" CW TYP. MULLION
3" = 1'-0"



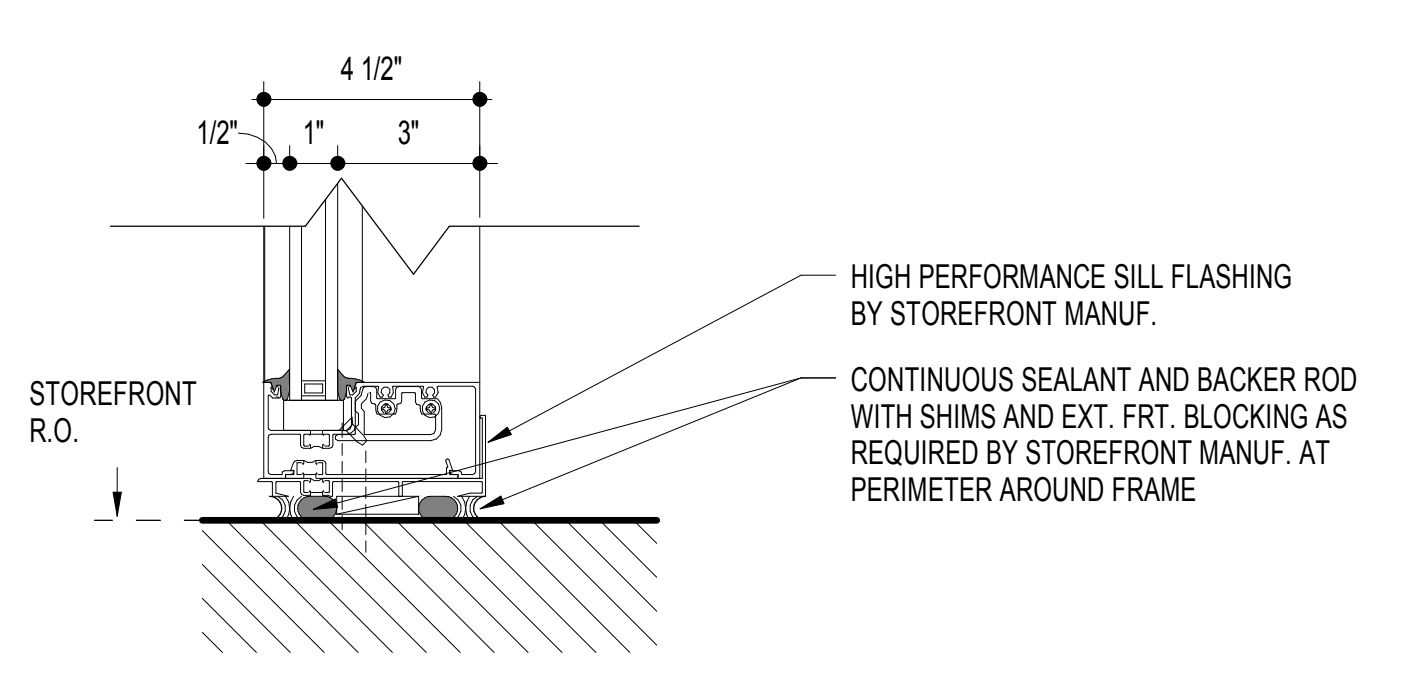
3 2.5" x 6.5" CW SSG TYP. MULLION
3" = 1'-0"



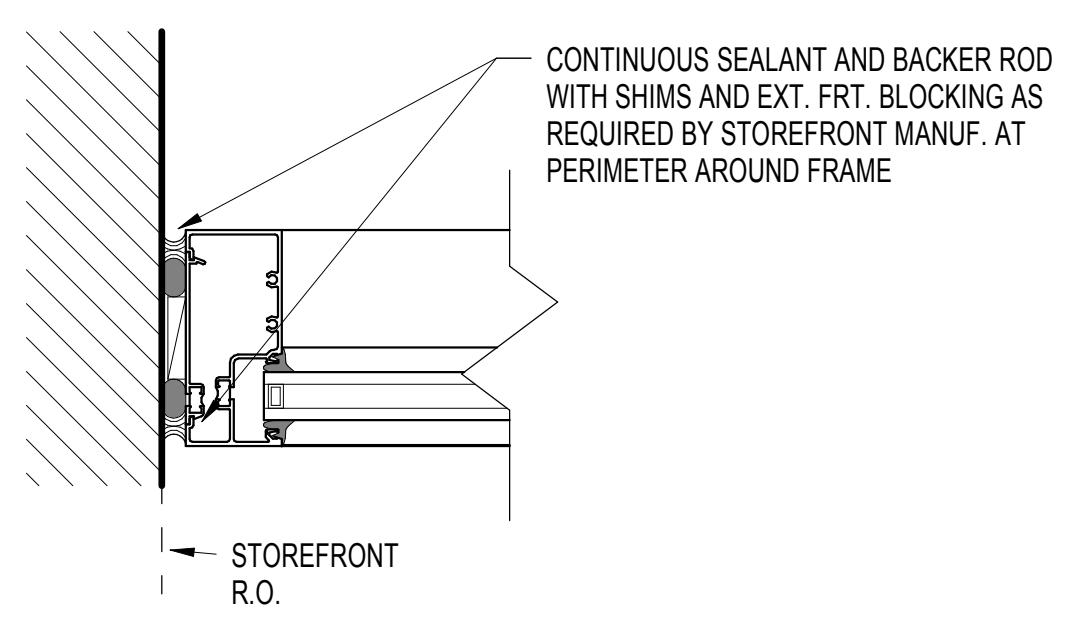
2A CW SSG TYP. MULLION GLUED ON
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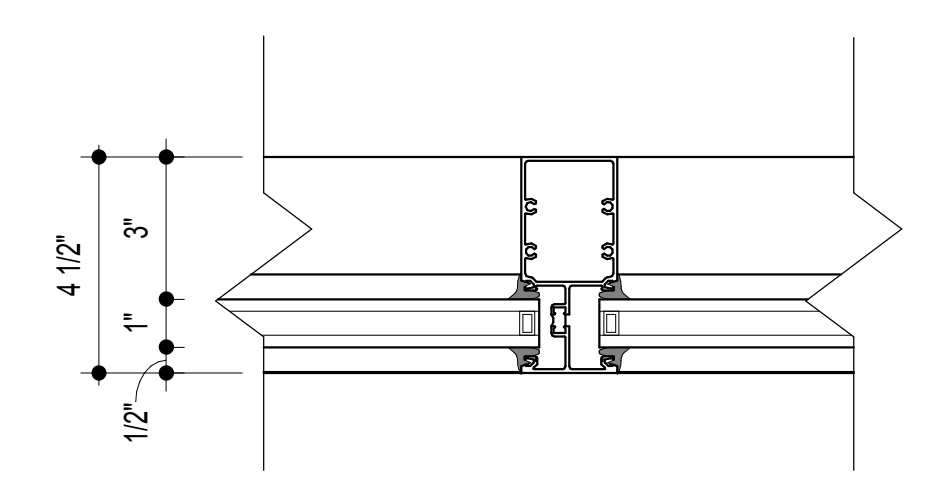
6A EXSF CORNER MULLION
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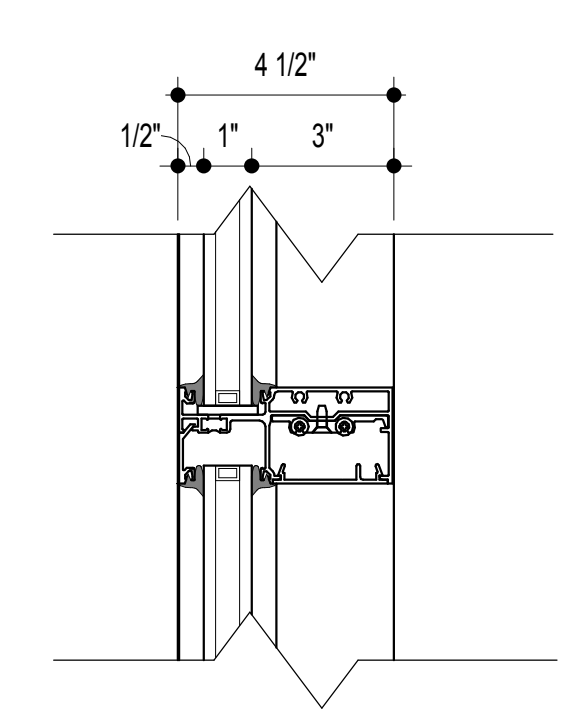
4 2" x 4.5" EXSF SILL DETAIL
3" = 1'-0"



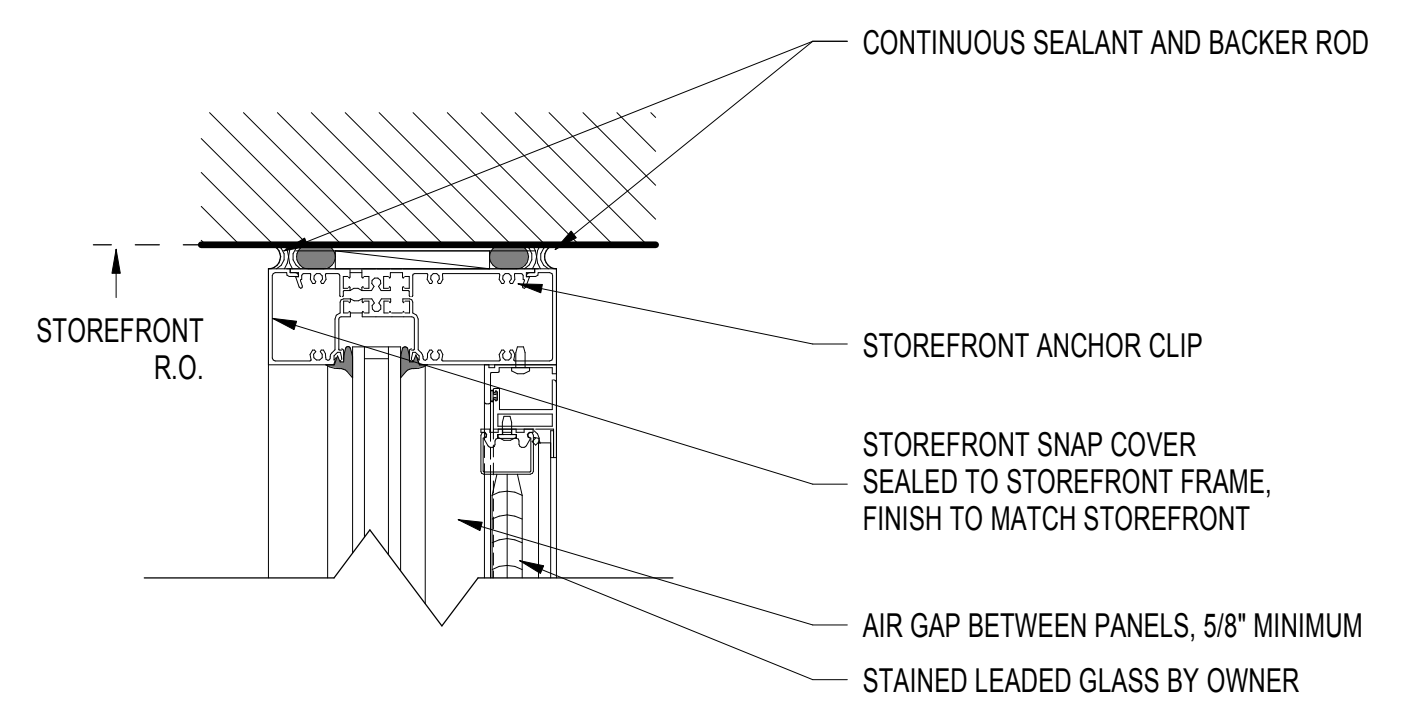
5 2" x 4.5" EXSF JAMB DETAIL
3" = 1'-0"



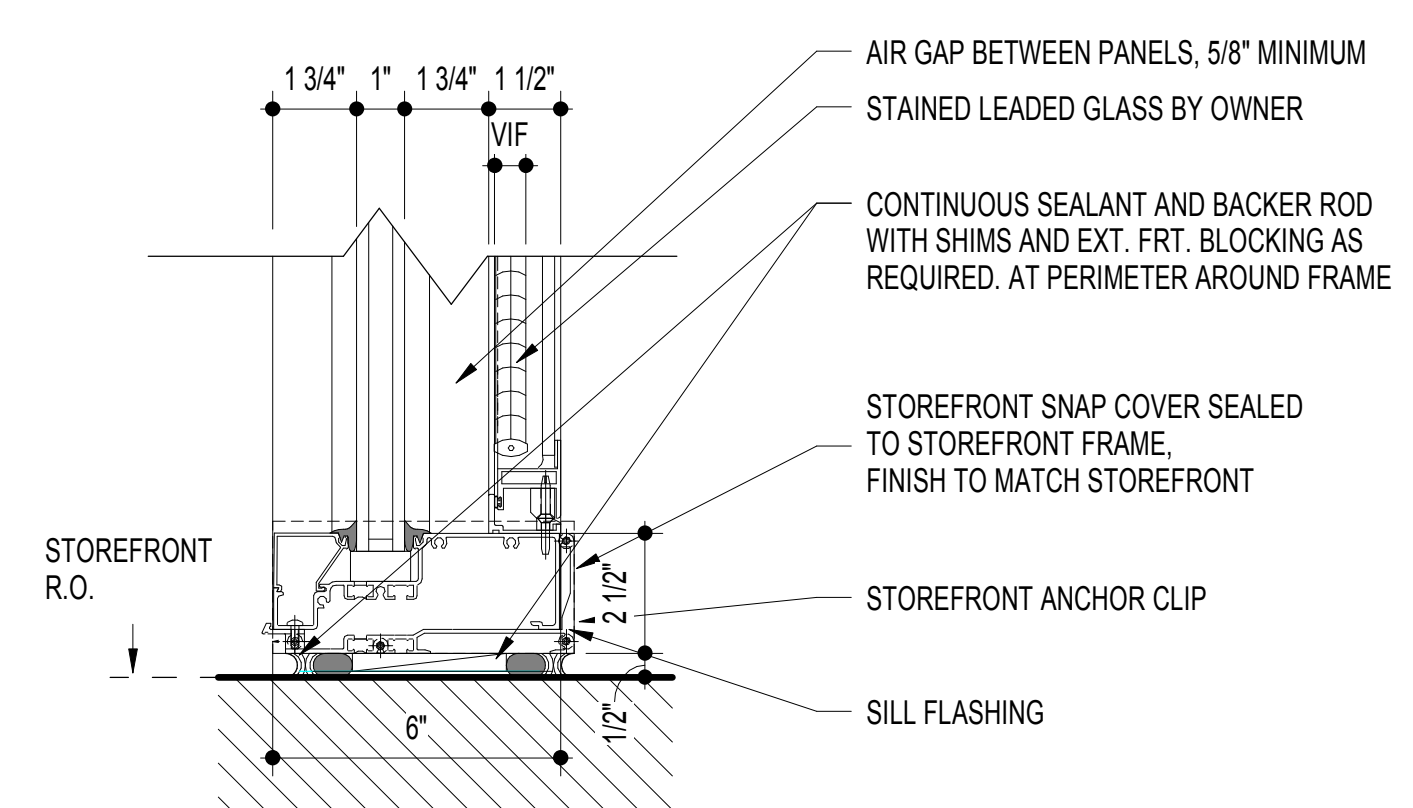
6 2" x 4.5" EXSF VERTICAL MULLION
3" = 1'-0"
SIM WITH METAL PANEL IN LIEU OF GLASS



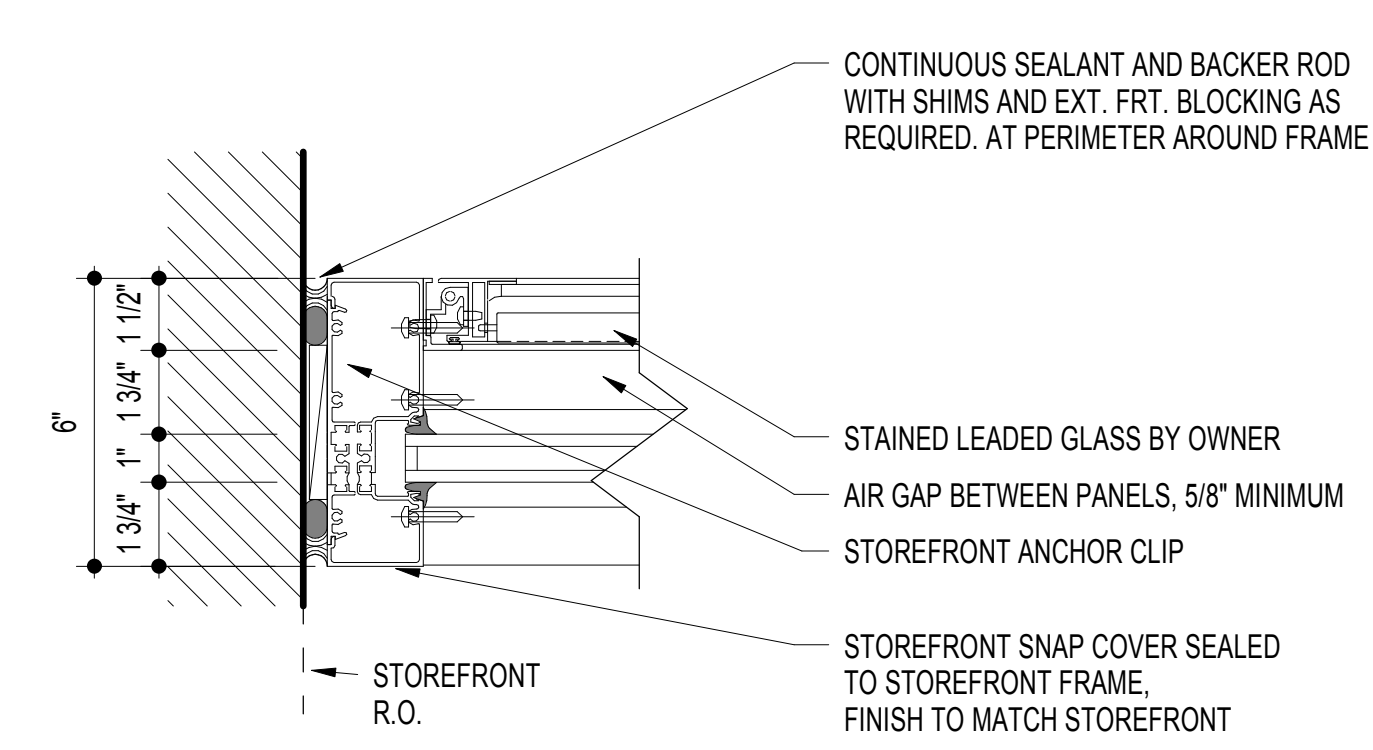
7 2" x 4.5" EXSF HORIZONTAL MULLION
3" = 1'-0"



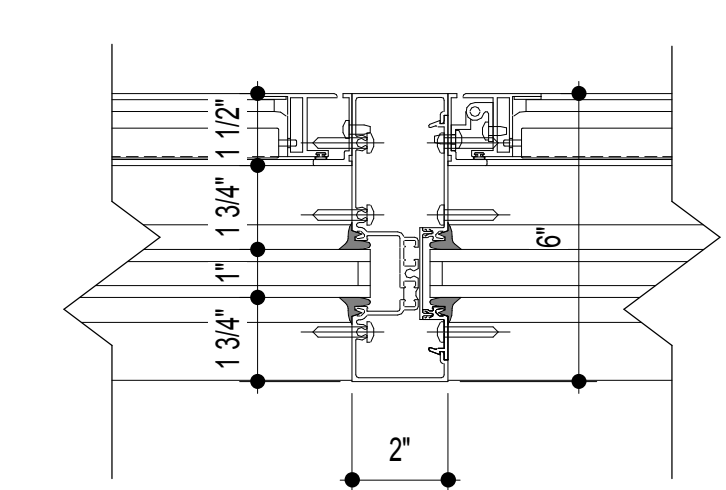
12 2" x 6" EXSF HEAD DETAIL WITH LEADED GLASS
3" = 1'-0"



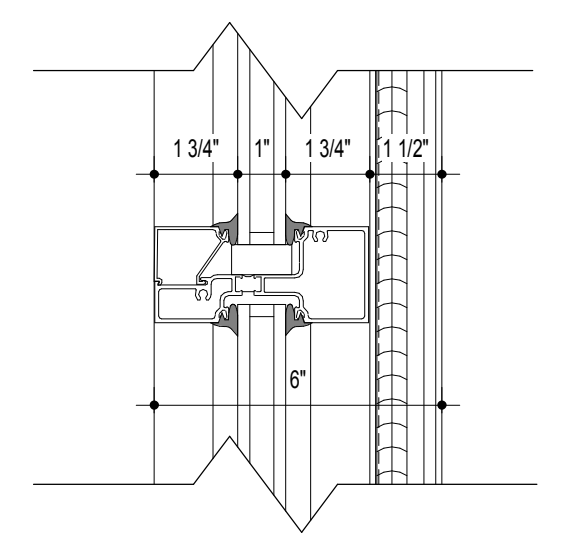
8 2" x 6" EXSF SILL DETAIL WITH LEADED GLASS
3" = 1'-0"



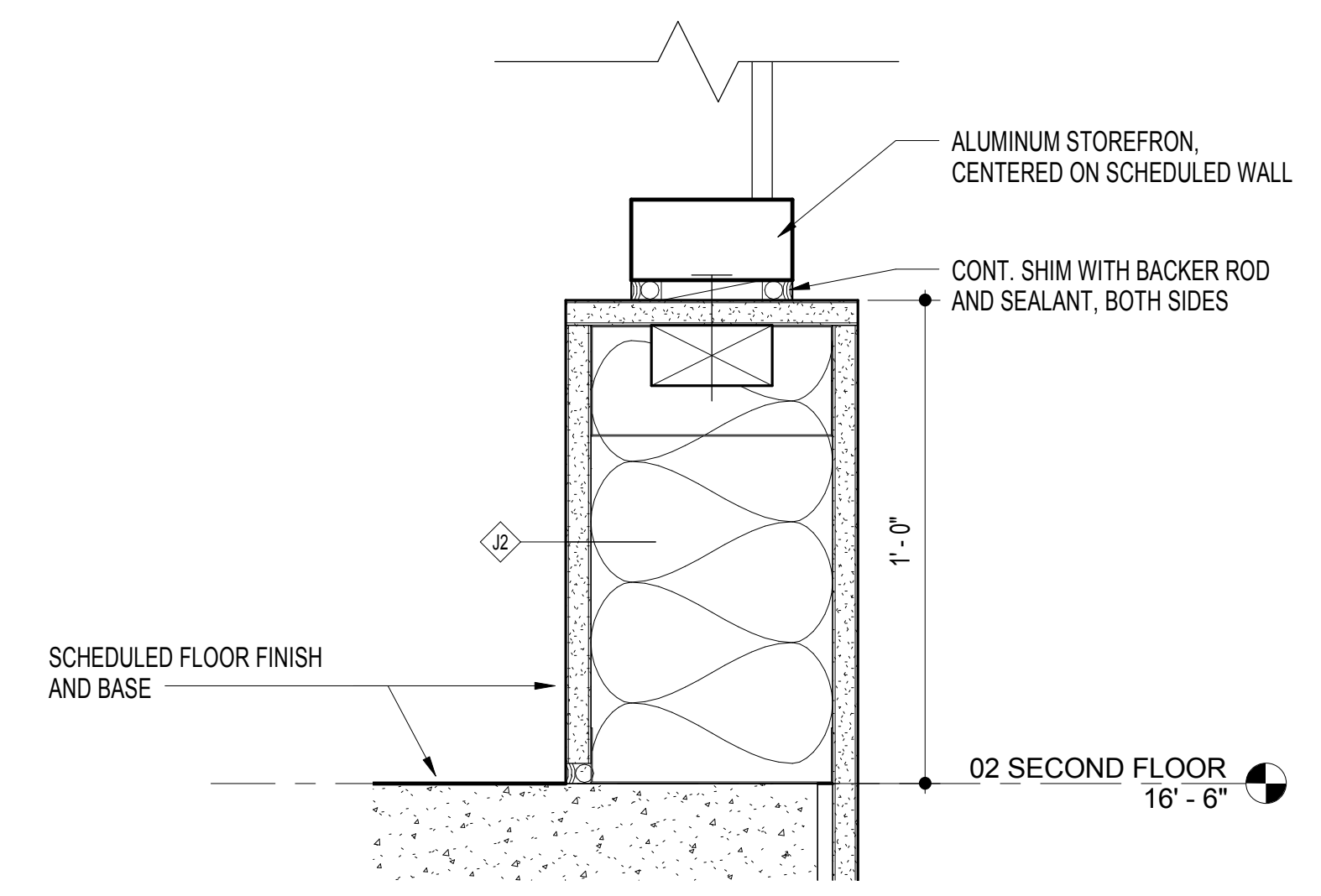
9 2" x 6" EXSF JAMB DETAIL WITH LEADED GLASS
3" = 1'-0"



11 VERTICAL MULLION WITH LEADED GLASS
3" = 1'-0"



10 HORIZONTAL MULLION WITH LEADED GLASS
3" = 1'-0"



13 SF SILL DETAIL
3" = 1'-0"



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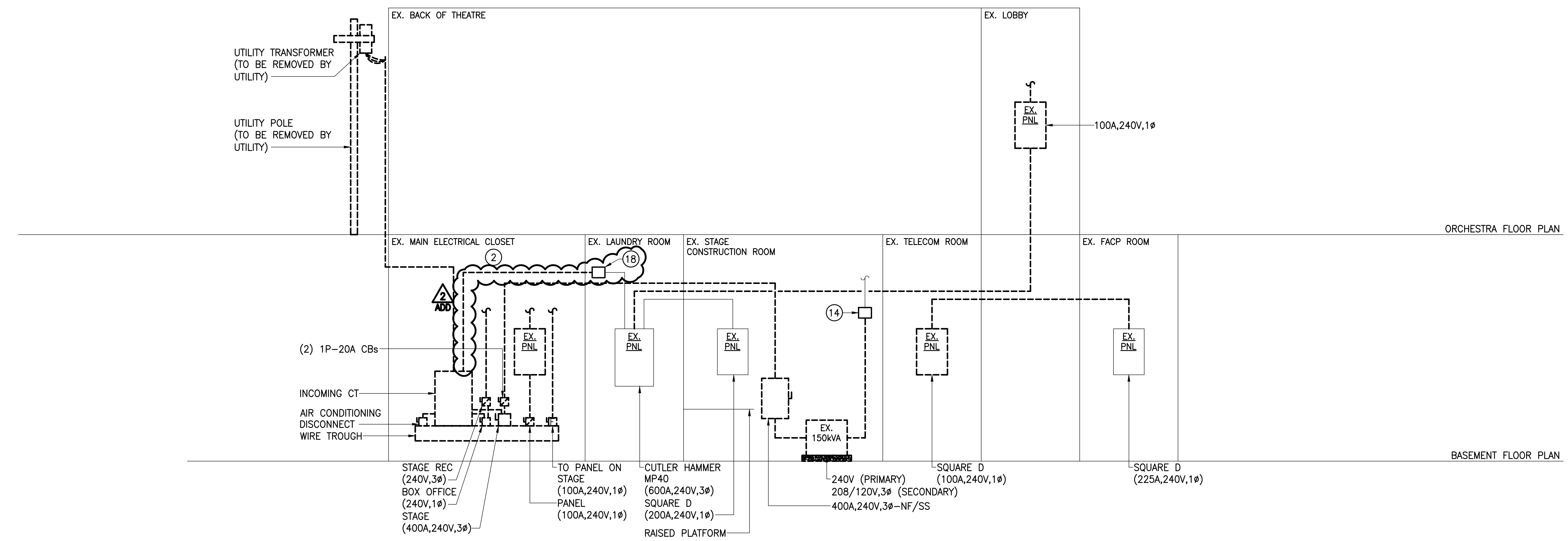


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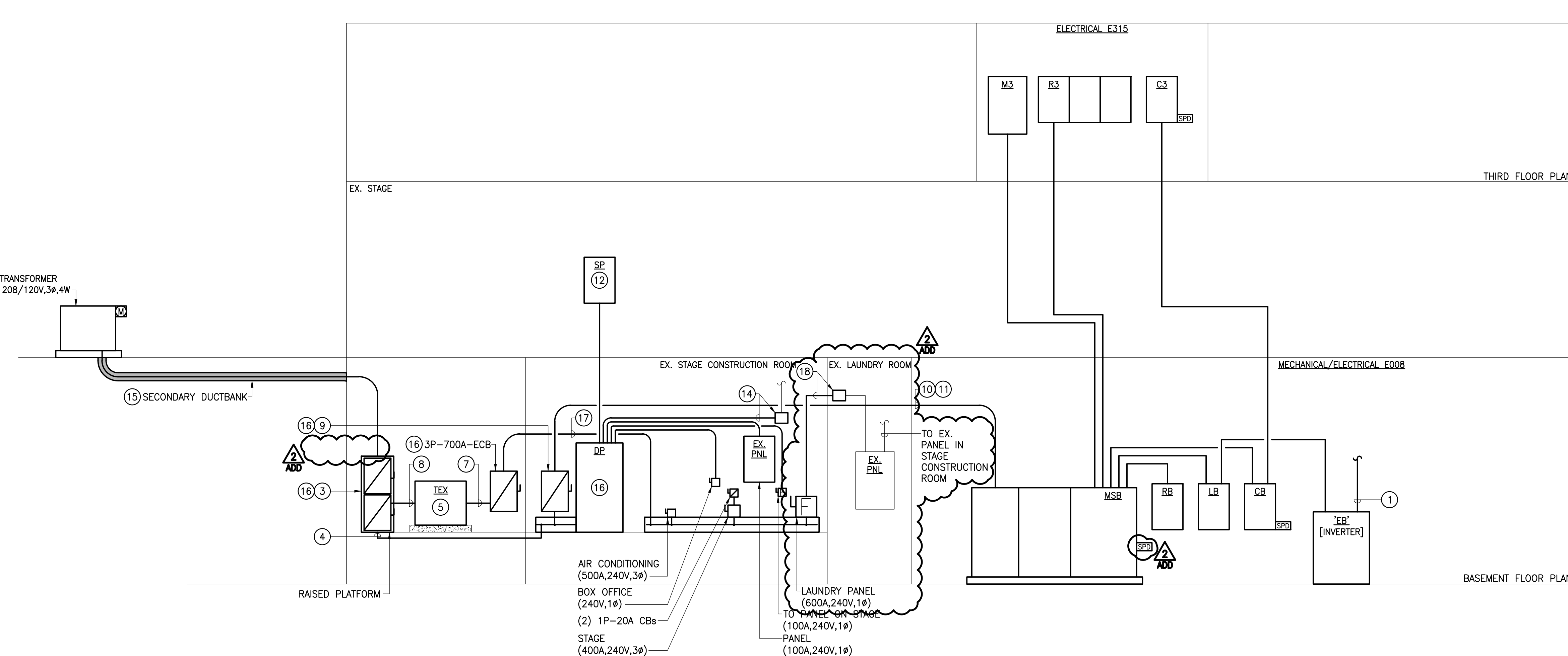
CURTAINWALL AND STOREFRONT DETAILS
THE MARYLAND THEATRE EXPANSION & RENOVATION
21 SOUTH POTOMAC ST., HAGERSTOWN, MD 21740

DATE	DESCRIPTION
3/16/18	ADD 2

A-8.10
2/15/18
BID SET



SCHEMATIC DEMOLITION POWER RISER DIAGRAM
SCALE: NONE



SCHEMATIC POWER RISER DIAGRAM
SCALE: NONE

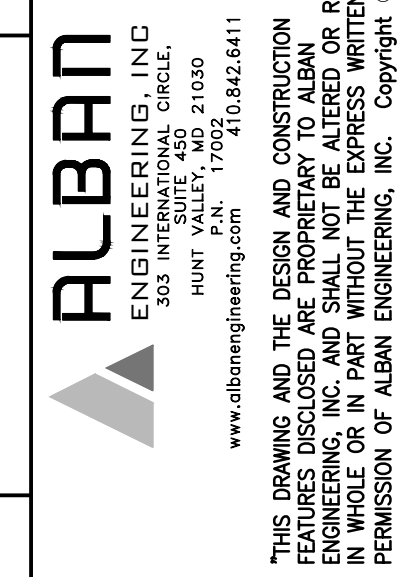
DISTRIBUTION PANEL (DP)									
MOUNTING: FREE STANDING			A.I.C. RATING: 65,000			LOCATION: MAIN ELEC RM			
VOLTAGE: 208/120V, 3Φ, 4 WIRE			800 AMPERE MAIN BUS			800 AMPERE MAIN CIRCUIT BREAKER			
DISTRIBUTION SECTION									
FDR NO	SERVES	CIRCUIT BREAKER P FRAME TRIP	SETS NO	WIRING SIZE	GND	C	REMARKS	CONN KVA	
1	BOX OFFICE	3 100 100	1 4	1 8	1-1/4			10.0	
2	THEATRE LIGHTING SYSTEM	3 600 600					SEE RISER DIAGRAM	150.0	
3	PANEL (100A, 240V, 1PH)	2 100 100	1 2	1 8	1-1/4			10.0	
4	PANEL ON STAGE (100A, 240, 1PH)	2 100 100	1 2	1 8	1-1/4			10.0	
5	SP	3 225 200	1 4	3/0	6	2		40.0	
6	SPD	3 100 30	1 4	10	10	3/4		0.3	
7	SPARE	3 100 100							
8	SPARE	3 100 100							
9	SPACE	3 100 -							
10	SPACE	3 100 -							
TOTAL CONNECTED LOAD								220.3 KVA	

GENERAL NOTES:

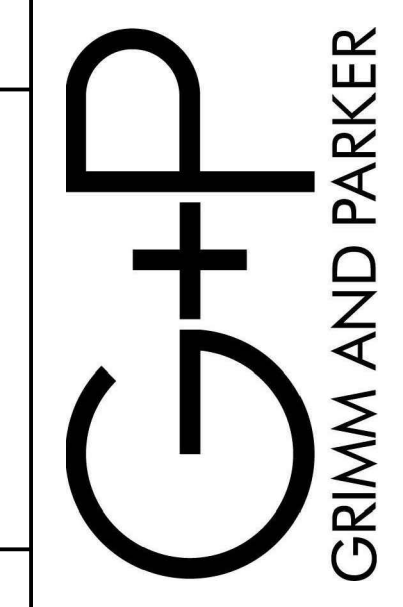
- FEEDER SIZE SHALL BE REDUCED (BY CONTRACTOR) TO ACCOMMODATE LUG SIZES OF PANELBOARD/DISCONNECTS WITHIN 5'-0" OF EQUIPMENT, IF REQUIRED.
- FOR ADDITIONAL INFORMATION REFER TO PANELBOARD SCHEDULES

DRAWING NOTES:

- REFER TO DIAGRAM ON DRAWING E-6.2.
- INTERCEPT EXISTING BRANCH CIRCUITS/FEEDERS AND EXTEND TO NEW ELECTRICAL ROOM AS REQUIRED. MATCH EXISTING WIRE AMPACITY.
- 2000A AND 1000A (TYPE R, XFMR TEX PRIMARY OCP), 208V, 3Φ, 4W; LSIG-TYPE ECB SERVICE DISCONNECTS IN SINGLE SECTION QED-2 STYLE ENCLOSURE.
- 6 SETS [(4) 400KCMIL + 250KCMIL GW - 3°C]
- TRANSFORMER TEX (EX225T242HCT) RATINGS: 208V WYE (PRIMARY); 240V DELTA W/ 120V CT (SECONDARY) CAPACITY: 225KVA WINDINGS: ALUMINUM RISE: 150°C INSULATION: 220°C SOUND LEVEL: 49dB (MAXIMUM) PRIMARY OCP: 1000A
NOTE: TRANSFORMER SIZING IS BASED OFF OF UTILITY DEMAND READING OF 135kW, WHICH OCCURRED IN THE PAST 12-MONTHS AND NFPA 70, SECTION 220.87
- INTERCEPT EXISTING 100A, 1Φ FEED TO "BAND DISTRO" TO PANEL ON STAGE. CONNECT VIA (2) #1 + #8GW - 1-1/4".
- 2 SETS [(4) 500KCMIL + #1/0GW - 2-1/2°C]
- 4 SETS [(3) 350KCMIL + #3/0GW - 2-1/2°C]
- 1600A, 208V, 3Φ, 4W; ECB (LSIG TYPE).
- 5 SETS [(4) 400KCMIL + #4/0GW - 3°C]
- MC FEEDER CABLE PERMITTED FOR ABOVE GROUND INSTALLATION.
- 200A, 208/120V, 3Φ, 4W; 42-POLE PANELBOARD WITH (20) 1P-20A CIRCUIT BREAKERS AND (22) PREPARED SPACES.
- NOT USED.
- INTERCEPT FEED TO THEATRE LIGHTING SYSTEM AND EXTEND BACK TO DE VIA 2 SETS [(4) 350KCMIL + #1 GW - 2-1/2°C]
- 6 SETS [(4) 500KCMIL + 400KCMIL GW - 3°C] - ALUMINUM FEEDER
- 65KAIC RATING
- 2 SETS [(4) 500KCMIL + #1/0 GW - 3°C]
- INTERCEPT FEED TO LAUNDRY PANELBOARD AND EXTEND TO DISCONNECT AT WIRE TROUGH VIA 2 SETS [(3) 350KCMIL + #1GW - 2-1/2°C]



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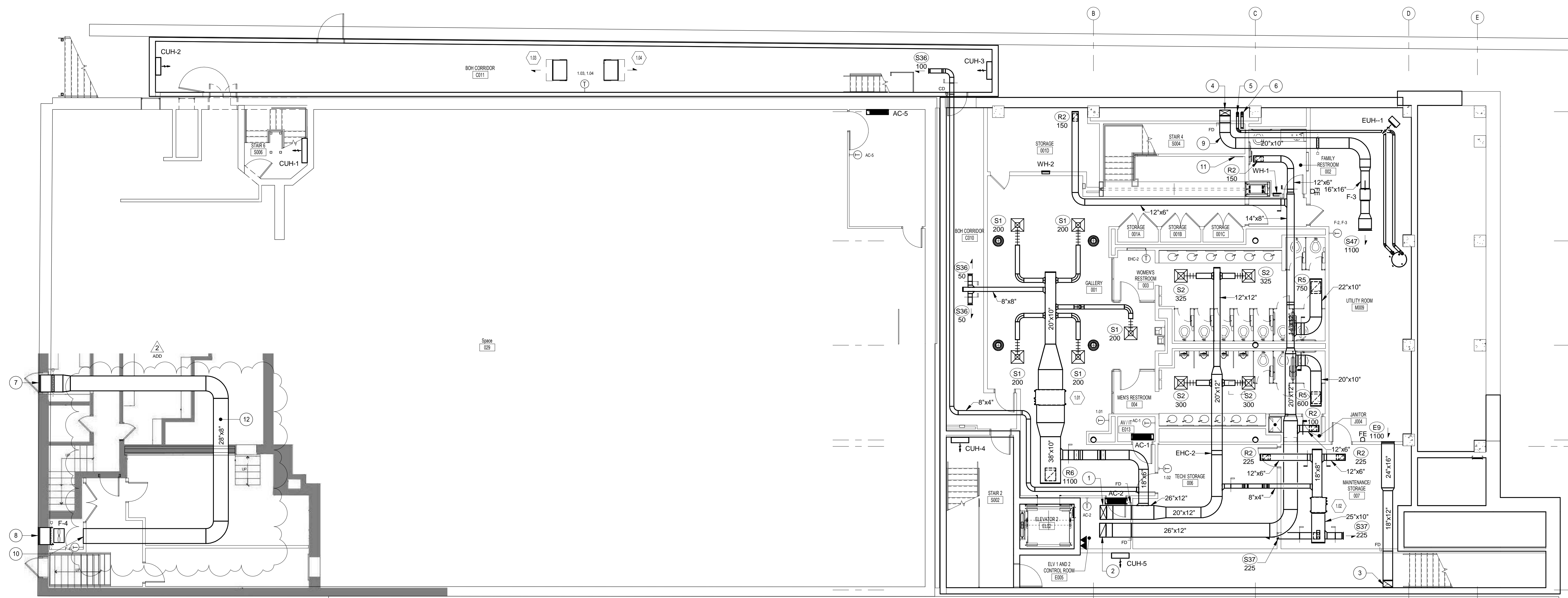
SCHEMATIC POWER RISER DIAGRAMS
THE MARYLAND THEATRE EXPANSION & RENOVATION
21 SOUTH POTOMAC ST. HAGERSTOWN, MD 21740

DATE	DESCRIPTION
3/15/18	ADD 2

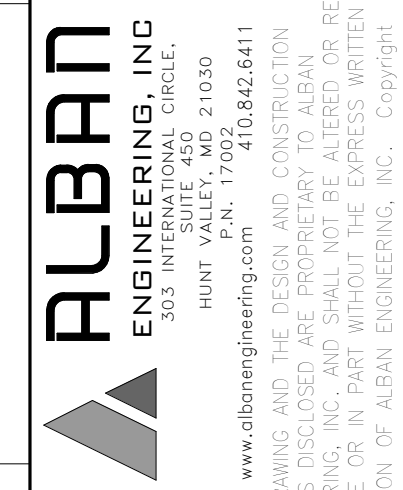
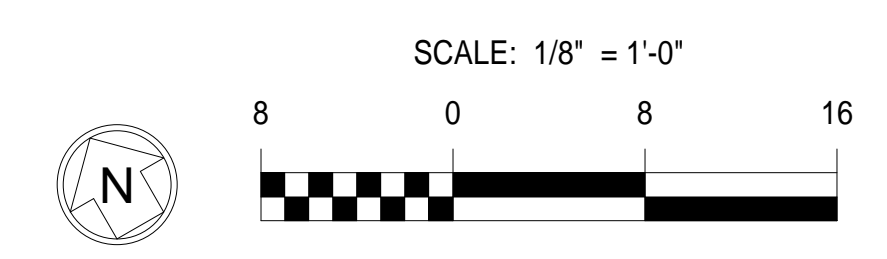
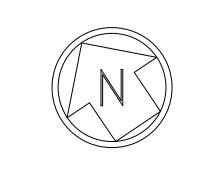
E-5.1
2/15/18
BID SET

DRAWING NOTES:

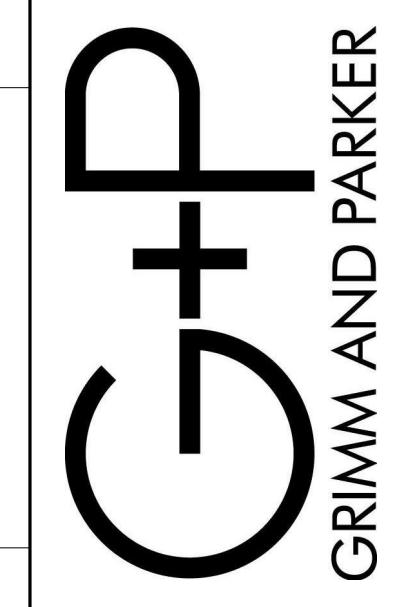
- 1 24x12 S/A DUCT UP. REFER TO DRAWING M-2.2 FOR CONTINUATION.
- 2 24x12 R/A DUCT UP. REFER TO DRAWING M-2.2 FOR CONTINUATION.
- 3 18x12 E/A DUCT UP. REFER TO DRAWING M-2.2 FOR CONTINUATION.
- 4 20x10 O/A DUCT UP. REFER TO DRAWINGS M-2.2 FOR CONTINUATION.
- 5 4" E/A FLUE DUCT UP & DN. REFER TO MECHANICAL DETAILS & DRAWINGS M-2.2 FOR CONTINUATION.
- 6 5" E/A INTAKE DUCT UP & DN. REFER TO MECHANICAL DETAILS & DRAWINGS M-2.2 FOR CONTINUATION.
- 7 32x24 O/A INTAKE LOUVER IN EXISTING DOOR OPENING.
- 8 32x24 E/A LOUVER
- 9 INSULATE O/A DUCT UPSTREAM OF MOTOR OPERATED DAMPER TO O/A INTAKE LOUVER.
- 10 28x8 OED WITH 12"x12" MESH BIRD SCREEN
- 11 24"x24" FIRE RATED ACCESS DOOR IN WALL. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 12 DUCTWORK THROUGH LAUNDRY ROOM. INSTALL ABOVE DROP CEILING. REMOVE/REPLACE CEILING TILES TO ACCOMMODATE INSTALLATION OF DUCTWORK.



BASEMENT FLOOR PLAN - MECHANICAL
1/8" = 1'-0"



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GP #21633

BASEMENT FLOOR PLAN - MECHANICAL
THE MARYLAND THEATRE EXPANSION & RENOVATION
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DATE	DESCRIPTION
3/15/18	ADD 2

M-2.1
2/15/18
BID SET

SECTION 06 82 00 - GLASS FIBER REINFORCED PLASTIC**ADD # 2**
New Section**PART 1 GENERAL****1.1 SECTION INCLUDES**

- A. Glass fiber reinforced, resin fabrications; indicated as Type COR on the drawings.

1.2 REFERENCE STANDARDS

- A. ITS (DIR) - Directory of Listed Products; current edition.
- B. UL (DIR) - Online Certifications Directory; current listings at database.ul.com.

1.3 DESIGN REQUIREMENTS

- A. Design items with sufficient strength for handling stresses and in compliance with loads indicated on the structural drawings.

1.4 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on specified component products.
- C. Shop Drawings: Indicate design load parameters, dimensions, adjacent construction, materials, thicknesses, fabrication details, required clearances, field jointing, tolerances, colors, finishes, methods of support, integration of plumbing components, and anchorages.
- D. Samples: Submit two samples, 6 x 6 inch in size, illustrating color, texture, and finish.

1.5 QUALITY ASSURANCE

- A. Designer Qualifications: Design under direct supervision of a Professional Structural Engineer experienced in design of this Work and licensed in the State of Maryland.
- B. Manufacturer Qualifications: Company specializing in architectural glass fiber and resin components with 5 years documented experience.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Protect components from damage by retaining shipping protection in place until installation.

1.7 FIELD CONDITIONS

- A. Do not install site fabricated components when site conditions may be detrimental to successful installation.
- B. Maintain temperature and humidity conditions favorable to proper curing of resin during and after installation.

PART 2 PRODUCTS**2.1 MANUFACTURERS**

- A. Glass Fiber and Resin Fabrications:
 - 1. Basis-of-Design: GRG Technologies; www.grgtechnologies.com.
 - 2. Fiberglass Specialties, Inc: www.fiberglassspecialties.com.
 - 3. Fibertech Corp: www.fibertech.net.

2.2 MATERIALS

- A. Gelcoat: NPG (Neopentyl Glycol) based gel coat modified and/or filled as required to meet specified characteristics. Nominal 20 mil film thickness on all visible surfaces.
- B. Resin: Iso-phthalic resin. Class A Fire Retardant.
- C. Reinforcement: "E" type fiberglass. Typical sprayed or chopped strand mat of varying weights to meet application and loading requirements.
- D. Core: Non-woven felt type fabrics, honeycomb, wood, foam, etc. as required to achieve design criteria and/or flatness.
- E. Shell Thickness: 3/16" Nominal (+/- 1/16").
- F. Glass Fiber Content: 25 – 35 % (by Weight).
- G. Strength:
 - 1. Flexural, ASTM D-790 20,000 - 30,000 (PSI)
 - 2. Flexural Modulus, ASTM D-790 1.0 - 1.3 x 10⁶ (PSI)
 - 3. Tensile , ASTM D-638 12,000 - 18,000 (PSI)
 - 4. Tensile Modulus, ASTM D-638 1.1 - 1.4 x 10⁶ (PSI)
 - 5. Tensile Elongation, Nominal 1.4%
 - 6. Compressive, Nominal 18,000 (PSI)
 - 7. Barcol Hardness, ASTM D-2583 Min. 40 - 60
- H. Heat: Heat Deflection, ASTM D-648 150 degrees to 250 degrees F.
 - 1. Thermal Expansion Coefficient 1.1 - 1.7 (x 10⁻⁵ in./in/degrees F) (+/-1/8"-10'-100 degrees).
- I. Fire: Flame Spread Rating, ASTM E-84 10 - 25 (Smoke approx. 450), Self-Extinguishing.

2.3 SHOP FABRICATION

- A. Finish trim corners and edges.
- B. Coat exposed surfaces with gel coat of colored resin.
- C. Cure components prior to shipment and remove material that may be incompatible with adjacent building materials.

2.4 FINISH

- A. Color: Custom, as selected by Architect.
- B. Exposed to view Surface Texture: GRG Tech-Stone finish.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that surfaces are ready to receive work and dimensions are as indicated on shop drawings.

3.2 INSTALLATION

- A. Install fabrications in accordance with shop drawings and fabricator's instructions.

3.3 TOLERANCES

- A. Maximum variation from true position: 3/16 inch.
- B. Maximum offset from true alignment: 1/8 inch.

3.4 CLEANING

- A. Clean components of foreign material without damaging finished surface.
- B. Clean fabrications in accordance with fabricator's instructions.

END OF SECTION