

ADDENDUM NO.: 2

DATE OF ADDENDUM: JUNE 2, 2015

**JOYNER HALL
NORTHWESTERN CONNECTICUT COMMUNITY COLLEGE
BI – CTC – 427**

Original Bid Due Date / Time:

June 10, 2015

1:00PM

Previous Addendums: ADDENDUM NO.:1 (April 29, 2015)

TO: Prospective Bid Proposers:

This Addendum forms part of the "Contract Documents" and modifies or clarifies the original "Contract Documents" for this Project dated 04/14/2015. Prospective Bid Proposers shall acknowledge receipt of the total number the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form. Failure to do may subject Bid Proposers to disqualification.

The following clarifications are applicable to drawings and specifications for the project referenced above.

Item 1

On V-001 and V-002 note should be corrected to read "DRAWINGS WITH THE "DRAWING NUMBER.S" AND "SUPP BID" IN THE TITLE AND DRAWINGS SPECIFIC TO THE SUPPLEMENTAL BIDS."

Item 2

Question: "Please advise if the four (4) Supplemental Bid Items outlined Project Specification 01 23 13 are ADD alternates to the base bid scope of work or DEDUCT alternates to the base bid scope of work." RESPONSE: Refer to Section 01 23 13 1.3A which states "The monetary value stated in the Bid to be added to the amount of the Base Bid if the corresponding Work, as described in the Bidding Documents, is accepted."

Item 3

Question: "Specification item 230900-2.1.J lists only two acceptable suppliers for HVAC Instrumentation and Control, Johnson Controls and Siemens. If an Alerton system would meet all other requirements of the specification, requiring no other changes to the specified scope of work, would Alerton be considered an acceptable addition to the list of improved manufacturers?" RESPONSE: The Facilities and Infrastructure Planning Board of Regents submitted to the State a Sole Source Request for BMS System to restrict the HVAC Instrumentation and Controls to Johnson Controls and Siemens. The Sole Source Request was accepted.

Item 4

Question: "Computer Classroom 216 and Closet 217 appear on the floor plan, but not on the Finish Schedule on A-050S. Please provide finish information, and confirm they are part of Supplemental Bid 1." RESPONSE: Computer Classroom 216 and Closet 217 finishes have been added to the schedule. Refer to sketch ADA-48 attached to this addendum.

Item 5

Question: "There are two metal panel specs, but ceiling plans do not differentiate between the two. Which spec is applicable for the ceiling panels beneath Stair A (interior) and Vestibule 100 (interior)? Which spec is applicable for all exterior soffits as shown on A-132? Which is applicable to the lightwell panels?" RESPONSE: "Metal Composite Material Panel System" specification section 074213.23 at the underside of Stair A as shown and noted in details 6 & 7/A-504 and sheet A-043. Notes are corrected on A-500. Refer to ADA-35, ADA-36 and ADA-37. All other locations are noted correctly as "Insulated Aluminum Panel Systems" specification section 074213.19 in the light wells, ceilings, soffits, exterior, lobby, Stair A and waiting room walls, per details shown on A-042.

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Item 6

Question: "Is the square board on Elevation 22/A-305 a whiteboard, or a tackboard?" RESPONSE: Add "Tack Bd 48" x48" to detail 22/A-305.

Item 7

Question: "There are no elevations for the island lockers at the center of the room, in Room 140. Please provide locker configuration. The locker size is not indicated in the spec, please provide, and confirm that typical locker is double tier per locker bay (example, Elev 20/A-325 represents 24 locker openings)." RESPONSE: Island lockers are typical double tier lockers 18" x 18" x 36". Refer to ADA-43 for typical island locker elevation attached to this addendum.

Item 8

Question: "Refrigerators and washer/dryers are labeled as NIC on the drawings. There appears to be a dishwasher in Room 111, but there is no appliance spec. Are there any appliances that we need to provide on this project, as part of this bid?" RESPONSE: The dishwasher in Room 111 is "Not In Contract." Appliances are "Not In Contract."

Item 9

Question: "Modular cabinets are identified per the room elevations, and tie-in to the Modular Cabinet Legend on A-352. There are two specification sections for cabinetry, Spec 123553.18 Modular Laboratory Casework and Spec 064116 Plastic Laminate-Faced Architectural Cabinets. Which spec applies to which cabinetry?" RESPONSE: Elevations identify modular cabinets with the legend shown on A-352 apply to specifications 123553.18 modular laboratory casework. Cabinetry without modular designations are per plans, elevations and details apply to specification section 064116 plastic laminate faced architectural cabinets.

Item 10

Question: "Page 1578 of 1633 in the Volume II Specification (Geotechnical Report) contains verbiage in Para 4.3 regarding obstructions during piling. How does one qualify this contingency plan and cost it? Should this cost be included in the bid, or will this be a change order to the contract? Should the cost of pile cap re-design mentioned be included in our bid?" RESPONSE: The Geotechnical Report provided information for the design team to design with. Considerations have been incorporated in the specifications and drawings

Item 11

Question: "Base Bid Door Schedule on A-030 seems to show doors for Supplemental Bid 1 (Second Floor fit-out), but Supplemental Door Schedule on A-030.S seems to show base bid doors on the first floor. We assume all first floor doors are part of base bid, confirm. Please clarify which doors are part of Supplemental Bid 1 ONLY. Do the first floor doors change from base bid to supplemental bid?" RESPONSE: Omit sheet A-030.S in its entirety. Base bid and supplemental bid doors are designated correctly on A-030.

Item 12

Question: "Confirm that frames for Doors 100A, 100B, 108C, and 114B are aluminum." RESPONSE: Door frames of doors 100A, 100B, 108C and 114B are all aluminum door schedule refers to details on A-040 for frame elevations.

Item 13

Question: "Interior non-load bearing partitions fall under Specification 092216, which lists a minimum 20 gage stud. We are concerned with the maximum gage required, these walls appear in the building section cuts to extend to the roof deck above, with some partitions being 26 feet tall." RESPONSE: 20 gage studs can extend to 29'-0" without bracing.

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Item 14

Question: "Reference Drawing L.101a. Please provide T.O.W. elevation for the stone wall adjacent to the entry stairs."

RESPONSE: Top of Wall elevations clarified on L.102 Site Grading. Refer to sketch ADL-01 attached to this addendum.

Item 15

Question: "Please clarify the width of the stone walls as shown on detail 5/L104." RESPONSE: The top of the stone wall is to be 12" wide. The width of the base will vary with height based on a taper of 1" per foot.

Item 16

Question: "Please provide the horizontal depth/width of the crushed stone backfill at the stone walls as shown in detail 5/L104." RESPONSE: Provide crushed stone backfill from just below the 6" of topsoil down to the bottom of the processed aggregate base. Provide a minimum of 12" behind wall... total width will vary with wall height.

Item 17

Question: "Please clarify the extent of the wood fencing at the trash enclosure." RESPONSE: Provide double 8' gate leaves at front of enclosure then extend back 10' on each side perpendicular to radial walk... back of enclosure will be approximately 18'-8" (2 eq. sections).

Item 18

Question: "Please provide the width of the base of the Stone Walls as indicated in detail 5/L104." RESPONSE: The top of the stone wall is to be 12" wide. The width of the base will vary with height based on a taper of 1" per foot.

Item 19

Question: "Please provide the dimensions of the hydrodynamic separator as indicated on drawing C-7." RESPONSE: The criteria for sizing are provided in detail 2/C-7. Manufacturers should be able to provide a proper structure with the information giving.

Item 20

Question: "Will loose furnishings be removed by owner in the existing building, prior to demolition?" RESPONSE: Owner will remove loose furnishings prior to demolition.

Item 21

Question: "Demolition Spec 024116 and drawings do not indicate which, if any, items in the existing building are salvaged and returned to owner." RESPONSE: There are no items noted salvage and return to owner.

Item 22

Question: "Is the river stone ballast required just at the perimeter of the roof, around the area of the vegetative trays, or is it required under the tray system as well? It is unclear what drip edge is being referred to in the Note on A-131.S." RESPONSE: Stone ballast is required at the perimeter and around roof penetrations only as shown. Refer to detail 4/A-612.1 and 8/A-623. The note with reference to the drip edge has been revised to read "Stone ballast from face of building to edge of vegetated roof system, perimeter, and around roof penetrations..." Refer to sketch ADA-45 attached to this addendum.

Item 23

Question: "Are the roller shades at the second floor windows to be included in Base Bid, or are they part of Supplemental Bid 1?" RESPONSE: Roller shades for second floor windows will be a part of the supplemental bid.

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Item 24

Question: "Detail 2/C-6 indicates inlet protection however, the Site Sediment and Erosion Control Plan (C-4) does not show the locations. Please provide the locations of the inlet protection." RESPONSE: All structures (existing and new) require inlet protection until the project is completed.

Item 25

Question: "Detail 3/C-6 indicates a temporary gravel construction entrance however, the Site Sediment and Erosion Control Plan (C-4) does not show the location of the temporary entrance. Please provide the location/size of the temporary gravel construction entrance drive." RESPONSE: A construction entrance is required as shown in detail 3/C-6. The location must be coordinated by the contractor in conjunction with the Phasing Plan and site activities. It may also have to be relocated after Phase 1.

Item 26

Question: "What thickness of spray foam insulation is required at the underside of the curved roof, as shown in Detail 1/A-621 Confirm that the spray insulation is intended to cover the ENTIRE underside of the sloped roof." RESPONSE: Spray foam insulation is required for the entire extent of the underside of the curve roof. Spray foam insulation to meet R-38, typical.

Item 27

Question: "Reference drawing L.103: General note #5 states, '*drawing symbols prevail over the plant list quantities.*' There are seven (7) plant symbol items identified as 'JSB' however, 'JSB' is not listed on the plant list. Please clarify plant type 'JSB'." RESPONSE: The symbol "JSB" is on the plant list on L.103 under "Evergreen Shrubs" ... It is a Juniperus sabina "Broadmore".

Item 28

Question: "Reference Detail 2/A-621. What is the built-in gutter lined with?" RESPONSE: Built-in gutters are lined with roof membrane, typical for all built-in gutters. Note has been added for clarification. . Refer to sketch ADA-26 attached to this addendum.

Item 29

Question: "Building Demolition Drawing D-010 does not show elevation of lowest floor slab. What is this elevation, with respect to grade?" RESPONSE: EC-101 shows upper FF 751.43. Upper floor to existing lower floor is 9'-8" +/-, verify in field.

Item 30

Question: "Specification 134900 for Radiation Protection is generic, what are the specific projection requirements (method and thickness of lead) for this project? We assume that this projection only applies to Radiology/X-Ray Room 105. Note that the walls of this room are CMU. How is the radiation protection achieved here?" RESPONSE: Section 134900,2.2 Lead-lined Steel Hollow-metal Doors shall be provided for doors 105A and 106A. Wall type 8 and 8A call for 8" CMU fully grouted to 8'-0" above finish floor providing required radiation protection for room 105.

Item 31

Question: "No mirrors could be found outside bathrooms, and the bathroom mirrors are specified in Spec 102800. Where is specification 088300 applicable?" RESPONSE: Additional wall mounted mirrors were omitted from the project scope; omit Specification Section 088300.

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Question: "Do the quartz window stools shown on Detail 1/A-610 fall under specification 123661?" RESPONSE: Section 123661 Simulated Stone Countertop apply to both "Quartz Stool" at windows and "Quartz Countertop" notes.

Item 33

Question: "Spec 003126.23 paragraph 1.2.A.1 indicates that abating of ACM is to be accomplished through a separate project prior to the start of all renovation work. What is the scope of work for THIS project?" RESPONSE: Refer to Available Information Document B, Asbestos Inspection Report in the specification.

Item 34

Question: "There is no Attachment 028416A (Schedule of Hazardous Materials) as referenced in Spec 028416 paragraph 3.12. Please provide." RESPONSE: Refer to Available Information – Document D, Hazardous Material Inventory.

Item 35

Question: "On Drawings ASB-1 and ASB-2, the scale bar measures 12' long, at the stated scale of 1/8" = 1'-0", not the 16' listed. Which is correct, the stated scale, or the scale bar? Also, there is no physical dimension shown on Drawing D-010. Please verify that the listed scale of 1/16" = 1'-0" is correct." RESPONSE: ASB-1 and ASB-2 are drawn at 1/8"=1'-0". Plans on D-010 are drawn at 1/16" =1'-0" as noted.

Item 36

Question: "There is a Spec 070150 for asbestos-containing roof removal, but there is no ASB Series plan for the existing building roof, and the spec does not detail what on the roof, if anything, has to be removed as ACM. The asbestos report does not seem to include the roof. Please clarify extent of asbestos removal at existing building roof." RESPONSE: The roof was not accessed or tested as part of the inspection. The section was included in the event suspect materials were identified during demolition/roofing removal and found to contain regulated asbestos. If confirmed as asbestos the section provided requirements for removal of components and disposal of waste.

Item 37

Question: "Reference spec 028416. How are each of these items listed in Paragraph 1.1.B to be quantified, the drawings do not indicate # of fixtures, location of batteries, location of HVAC equipment that have coolant, location of petroleum products, location of mercury containing items, etc. Please provide list of specific items to be removed under this specification." RESPONSE: Refer to Available Information – Document D, Hazardous Material Inventory.

Item 38

Question: "Confirm that Spec 071900 is only required on terracotta, and not brick or block surfaces." RESPONSE: Specification Section 071900 is required on clay brick and block. Terracotta is a glazed surface as specified.

Item 39

Question: "In lieu of constructing the very steep rcp storm drain run from SDMH01 to the flared end outfall, would the State consider improving the existing pipe by means of a pipe lining system to eliminate the extremely difficult and high replacement costs being depicted?" RESPONSE: A contractor hired by the State to assess the existing condition examined the existing storm drain via video. It was determined the pipe was not in acceptable condition to install a pipe liner. The contractor should bid plans and specifications.

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Item 40

Question: "The Soil Pre-Characterization Data Report is dated April 25, 2013 which is older than most contaminated soil disposal facilities will accept. Prior to the start of construction, will the owner (legal Waste Generator) provide a certification letter stating that no work or facilities can use it for acceptance purposes? The letter is not required before the bid date, just the response that it will or will not be provided with the award." RESPONSE: A letter will be provided.

Item 41

Question: "Regarding unknown debris or obstructions (foundations, machines, boulders, etc) that cannot be defined or quantified but will almost certainly be encountered based on the boring refusals, how will the costs for removal, segregation, testing and disposal be paid for?" RESPONSE: The pile specifications include obstruction removal (such as pre-drilling, excavation etc.) to depth of 10 feet under the base price and state that deeper obstruction removal is to be compensated on a time and materials basis.

Item 42

Question: "Would you consider establishing an offsite WSA (Waste Stockpile Area) for temporarily stockpiling the contaminated soils that all bidders can use for staging, testing and disposal purposes?" RESPONSE: NO.

Item 43

Question: "In the Prebid meeting, it was mentioned that several local sites might be available for use as a WSA. Please provide the locations, addresses and any contact information you may have to contact them for use." RESPONSE: We have not done an inventory of sites. It is the bidder's responsibility to provide a site if they decide to stockpile soil at an offsite location.

Item 44

Question: "Is there any location or condition that would allow any suitable onsite excavated materials to be reused on the site, either as general fill below the capping limits, or trench & building backfills or for filling the foundation hole after the existing Joyner building is demolished?" RESPONSE: No.

Item 45

Question: "Regarding Spec section 316216 – Piles and section 012033 – Contract Considerations: Due to the high probability of encountering obstructions during driving and requirement for us to include all costs associated with pre-auguring, over excavation and removal of obstructions to 10 vf, as well as the removing and filling of any voids (with concrete if so directed by the Architect), the unit prices provided in the section 012033 are not reflective of these site conditions and the actual pile installation costs. Our pile subcontractors have already stated they will not honor these units provided. Will you consider allowing the bidders to provide their own Add/Deduct unit prices to better (and more fairly) reflect the actual pile costs on this project?" RESPONSE: The unit prices are from DOT standards. DAS does not allow contractor to provide their own Add/Deduct unit prices.

Item 46

Question: "Regarding Spec Section 316216 – Piles, Part 3.2.B: Fixed leads are referenced for the pile driving rig but swinging leads are not discussed even though they are common and cost effective for piles of this kind, especially considering the limited access and long reach that will be required for driving these piles. Many of your previous RFI responses in 2014 referenced that Means and Methods are by the Contractor, and I would suggest this is certainly an example of that. As such, would you please consider modifying Spec Section 316216 to allow Swinging Lead pile installation systems as an acceptable method?" RESPONSE: Even for plumb piles, fixed leads are better for controlling pile alignment than flying leads, particularly in areas of possible (likely) obstructions. For batter piles, fixed leads are even more beneficial.

Item 47

Question: "Will it be allowed to use the onsite soils for general fill or backfill below the capping limits (geotechnical liner) as long as it is/can be suitably compacted?" RESPONSE: No.

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Question: "Regarding drawing ENV-1: There is a limit line noted as "LIMITS OF REGULATED SOIL COVERS" and in many areas is beyond the grading and landscaping limits. Is this the limit for which Notes #1- #6 apply (specifically note #4 which requires removing and replacing 4.0 vf of existing contaminated soil below vegetated areas)?" RESPONSE: Yes, but the full four feet of clean fill is not required at the cover limits. Please note the detail for the regulated soil cover on ENV-1, which shows the transition from the limits of the regulated soil cover to the full depth cover of 4' or 2'-3".

Item 49

Question: "Which permits and fees are the contractor required to acquire and pay for and which will be paid for by the owner?" RESPONSE: All permits and fees associated with the management of regulated soil should be obtained by and paid for by the Contractor.

Item 50

Question: "Who is responsible for additional sampling and testing if it is needed for acceptance by disposal facilities?" RESPONSE: The Contractor.

Item 51

Question: "Due to inconsistent nature of the existing fills and obstructions, it will be very difficult to accurately estimate (and bid) the costs associated with rejected piles, the excavation to remove the obstructions and/or the amount of replacement piles we will need. Will you consider including unit prices for additional piles if an obstruction is encountered, as well as a unit price (or means or reimbursing) for removal of these unknown obstructions?" RESPONSE: The pile specifications include obstruction removal (such as pre-drilling, excavation etc.) to depth of 10 feet under the base price and state that deeper obstruction removal is to be compensated on a time and materials basis.

Item 52

Question: "What is anticipated construction starting date for the project?" RESPONSE: Fall/winter of 2015.

Item 53

Question: "Are there any noise restrictions on this project due to the fact that the existing building will be occupied during construction?" RESPONSE: Contractor shall comply with Section 011100, 1.6.

Item 54

Question: "Are there any specific time of day or dates that work will be restricted?" RESPONSE: Contractor shall comply with Section 011100, 1.5, 7.

Item 55

Question: "Geotech report contains recommendations how to deal with obstructions while driving piles. Subsection 4.3 Obstructions "the selected contractor should be required to provide a contingency plan that addresses how the respective foundation system will be installed should obstructions be encountered....The contingency plan should also provide an estimate of cost for implementing the contingency plan.... How is the contractor going to be compensated for lost production (equipment and labor), time spent on pre-drilling or pre-augering and other methods used to deal with obstructions? (allowance, T&M, etc)" RESPONSE: The Geotechnical Report provided information for the design team to design with. Considerations have been incorporated in the specifications and drawings

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Item 56

Clarification: All spray foam insulation note on the drawings shall be R-38.

Item 57

Clarification: Detail 2/A-621 Built-in gutter is 10" typical as showed on 1 & 3/A-621.

Item 58

Clarification: On detail 4/A-500 add detail bubble at the window sill of upper level window 3/A-610 Sim and at head of window detail bubble 4/A-621. Refer to sketch ADA-34 attached to this addendum.

Item 59

Question: "Specification Section 123553.18, 2.3B: Is the 500 mile criteria a requirement?" RESPONSE: Not a requirement.

Item 60

Question: "Specification Section 123553.18, 2.5 4 A&B: Please define where the metal cabinets specified are to be installed?" RESPONSE: Metal cabinets are in Room Number 103, 104, 107, 124, 128, and 129

Item 61

Question: "Specification Section 123553.18, 2.5 A,B,C,D,E: Please define where each specified type is to be used (Hardwood, plywood, MDF, Particle board, Hardboard and plastic laminate)?" RESPONSE: All modular cabinets are to be laminate with base materials as per manufacturers specifications except the rooms where cabinets are noted to be metal. See Item 60.

Item 62

Question: "Specification Section 123553.18, 2.5 G: Is the specified 1mm thick edgeband a requirement or will other thicknesses be considered?" RESPONSE: Yes, other thickness of edgeband will be accepted based on modular cabinet manufacturer standards.

Item 63

Question: "Specification Section 123553.18, 2.6 A3: Is the specified 3mm thick edgeband a requirement or will other thicknesses be considered?" RESPONSE: Yes, other thickness of edgeband will be accepted based on modular cabinet manufacturer standards.

Item 64

Question: "There are no section cuts thru any of the modular cabinetry, at the rooms that contain them. Are the countertops in these rooms quartz or epoxy resin? Examples would be Rooms 103, 106, 107, 111, 124, 126, 129, 138, 204, 210, 215, and 215B." RESPONSE: Sections are through millwork. Modular cabinet built per specifications of manufacturer.

Item 65

Question: "Is there a basis of design manufacturer for the terracotta masonry products on this project?" RESPONSE: The basis of design manufacturer is Gladding McBean. The specifications section 042110 Terra Cotta Masonry is a performance specification.

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Question: "What is the finish required, if any, for the exposed structural steel at the unfinished Upper Level space, if Supplemental Bid 1 is not accepted?" RESPONSE: No finish is required.

Item 67

Question: "Confirm whether Owner or Bidder is required to select and pay for the costs of the Qualified Environmental Professional, as indicated in Spec 028100-3.1.A and the Independent Analytical Laboratory as listed in Specification 028100-1.5.D." RESPONSE: The bidder.

Item 68

Clarification: Section 076200:2.6,C: Rain leaders may be custom manufactured from titanium zinc material specified.

Item 69

Clarification: Detail added to clarify threshold at door 201A. Refer to sketch ADA-29 attached to this addendum.

Item 70

Question: "Please confirm that MVRA or Barrier One is required to all interior slab on ground and elevated." RESPONSE: Yes, See spec section 033000-2.5/c and 2.11.A.3.

Item 71

Clarification: Specification section 011100.1.2,B.3 The Authority having jurisdiction for this Project is the CT Department of Construction Services, Code Unit.

Item 72

Clarification: Omit detail designation 2/A-604 near column E-1 and line east of CMU wall on column line E on A-130.S.

Item 73

Clarification: Omit detail designation 11/A-631 near column I.2-5 on A-130 and A-130.S.

Item 74

Clarification: Revised note of extents of vegetative roof and provided dimension for clarification on A-131.s and A-130.s. Refer to sketch ADA-46 attached to this addendum.

Item 75

Clarification: Correct soffit detail designation at windows in waiting area on 2/A-122. Refer to sketch ADA-47 attached to this addendum.

Item 76

Question: "Please reference specification section 01.35.29 "Environmental Health and Safety" Paragraph 3.11, Item F.
a. Please confirm that the HSM (Hazardous Safety Manager) sole responsibility is to develop the project HASP. This person is not meant to be an onsite individual.
b. Please clarify how often the HSO is required to be on site. It is clear that the HSO officer is meant to inspect safety requirements in regards to soil, but it is unclear as to the extent this person is required.
Please confirm that this person will not be required on site when the building foundations are in and building construction has begun," RESPONSE: a. The HSM shall review and accept the HASP and is responsible for supervising all work done by the HSO, but is not required to be on site full time. b. The HSO only needs to be on site when regulated soil is being managed.

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Question: "Please reference specifications section 02.61.13 "Handling of regulated soil", paragraph 1.5, Item C. Please confirm that the licensed Environmental Professional sole responsibility is to develop the soil management plan."

RESPONSE: Under the reference section, the Qualified Environmental Professional's only responsibility is to prepare the soil management plan.

Item 78

Question: "Drawing HP-120 Main level and Drawing HP-130 Upper level there is no branch piping shown going to the VAV'S". RESPONSE: Branch piping to equipment is required per HVAC General Note #11 on Drawing MEP-100. This note is also modified by this addendum per ADMEP-01. Added general note clarifying pipe run outs to various HVAC equipment, applicable to HP-100, HP-110, HP-120, HP-130S. Refer to sketch ADHP-01 attached to this addendum.

Item 79

Clarification: Added pipe sizes for boiler and pump connections. Refer to sketch ADH-01 attached to this addendum.

Item 80

Clarification: Deleted duct smoke from the return air ductwork. Refer to sketch ADH-02 attached to this addendum.

Item 81

Clarification: Deleted duct smoke from the return air ductwork. Refer to sketch ADH-03 attached to this addendum.

Item 82

Clarification: Added pipe sizes for chiller pumps and chiller connections. Refer to sketch ADH-04 attached to this addendum.

Item 83

Specification section 33 05 00 - COMMON WORK RESULTS FOR UTILITIES Article 2.2, ADD Paragraphs D. 2. b. and D. 2. c. to read as follows: b. George Fisher Piping Systems. c. Lasco Fittings.

Item 84

Specification section 33 05 00 - COMMON WORK RESULTS FOR UTILITIES Article 2.2, ADD Paragraph E. 2. c. to read as follows: c. NIBCO, Inc.

Item 85

Specification section 33 05 00 - COMMON WORK RESULTS FOR UTILITIES Article 2.3, ADD Paragraph E. 2. c. to read as follows: c. Watts.

Item 86

Specification section 33 41 00 – STORM UTILITY DRAINAGE PIPING Article 2.9, ADD Paragraph C. 2. c. to read as follows: c. StormDrain.

Item 87

Clarification: Specification section 079200 JOINT SEALANTS 3.7 D. 2. To read as follows: 2. Silicone Joint Sealant : Exterior tint-able silicone sealant.

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Question: "Please reference specification section 01.35.26 "Govt Safety Requirements", paragraph 1.6, Item B,. Item B stats that the "Contractor Quality Control person can be the SSHO on this Project." Upon review there is no separate section regarding the contractor quality control person. Is the Superintendent considered the QC Person for this project? If so please confirm that the superintendent considered the QC Person for this project? If so please confirm that the superintendent can be the SSHO ending that he/she meets the strict level S Safety Officer requirements outlined in item B." RESPONSE: Yes the superintendent can be the SSHO pending that he/she meets the strict level S Safety Officer requirements outlined in item B.

Item 89

Clarification: Code plans G-010 and G-010.S are corrected. Refer to revised G-010 and G-010.S attached to this addendum.

Item 90

Clarification: The shower room A-140 is 5'-4" and the shower is noted as 3'-0". Dimensions of the shower have been added for clarification. Grab bars have been added to the missing wall to comply to with the maximum clearance dimensions. Refer to ADA-12 attached to this addendum.

Item 91

Clarification: The clearance dimensions for the water closets in Room 140A corrected to comply with code. Refer to ADA-13 attached to this addendum.

Item 92

Clarification: The dimensions between centerlines of lavatories in Room 142A corrected to comply with code. Refer to ADA-11 attached to this addendum.

Item 93

Clarification: A clear floor space in Room 140 positioned for parallel approach to an end of the bench seat shown to comply with code. Refer to ADA-14 attached to this addendum.

Item 94

Clarification: The dimension from the floor to the highest point on rim has been revised for counter top with drop in sink detail 3/A-350. Refer to ADA-01 attached to this addendum.

Item 94

Clarification: The dimension from the floor to tops of work surfaces have been revised for teachers desk, student lab station to comply with code. Refer to ADA-02, ADA-03, and ADA-04 attached to this addendum.

Item 95

Clarification: Rails sloping point start revised located at the point directly above the top tread edge of the flight. The 11-inch "sloping dimension" at the bottom of the handrail has been shown for clarification to comply with code. Refer to ADA-05, ADA-06, ADA-08 and ADA-09 attached to this addendum.

Item 96

Clarification: Landing elevation in section 2/A-504 has been indicated for clarification for handrail height to comply with code. Refer to ADA-07 attached to this addendum.

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Item 97

Clarification: The handrail sloping point at the bottom of the stair has been revised on L-104 to comply with code. Refer to ADA-03 attached to this addendum.

Item 98

Clarification: Mounting heights revised for spaces between the rear grab bars and projecting objects below to be 1 ½" minimum. Refer to ADA-15 attached to this addendum.

Item 99

Clarification: Wall type 13 has been revised to note the fire rating. Refer to ADA-16 attached to this addendum.

Item 100

Clarification: Window type 12 has been revised to note the "1 Hour Fire Rated" in addition to the rated window assembly noted. Refer to ADA-17 attached to this addendum.

Item 101

Clarification: Wall designation is for the wall that the rated window is constructed within in Stair A has note "ABOVE AND BELOW WINDOW" on A-131 and A-131.S for clarification. Refer to ADA-18 attached to this addendum.

Item 102

Clarification: Overflow drains have been revised and coordinated with P-140. Refer to ADA-30 attached to this addendum.

Item 103

Clarification: Detail 2/A-604 at Centerline E was revised to show the additional dimension of the chase wall for clarification. Refer to ADA-33 attached to this addendum.

Item 104

Clarification: Typical note labeling "aluminum sun shades" has been added to drawings A-130, A-130.S, A-131, A-313.S, A-133, A-133.S. Refer to ADA-27 attached to this addendum.

Item 105

Clarification: Stray wall types omitted. Wall type 12 at column c.1E has been revised to read "4D". Refer to ADA-19 attached to this addendum.

Item 106

Clarification: Roof plan revised to show required slopes. Refer to ADA-30, ADA-44, ADA-53, ADA-54, ADA-55, ADA-56 and ADA-57 attached to this addendum.

Item 107

Clarification: Dimensions revised between the fixtures and fixtures and the adjacent walls/partitions to comply with code. Door clearance at Door 214A clarified to comply with code. Refer to ADA-20 attached to this addendum.

ADDENDUM NO.: 2

DATE OF ADDENDUM: JUNE 2, 2015

Item 108

Clarification: Omit cloud on A-400.

Item 109

Clarification: On drawings A-401, the detail bubble for 2/A-610 is shown. Refer to ADA-31 attached to this addendum.

Item 110

Clarification: Drawing 4/A-500 revised to show gate, eliminate guardrail and show stairs correctly. Refer to ADA-40 attached to this addendum.

Item 111

Clarification: Drawing 1&2/A-500 handrail extensions have been revised to comply with code. Refer to ADA-38 and ADA-39 attached to this addendum.

Item 112

Clarification: Drawing A-501.1 handrail dimensions corrected on detail 1. Refer to ADA-41 attached to this addendum.

Item 113

Clarification: Details 3&4/A-501.1 fire rated ceiling noted for clarification. Refer to ADA-42 attached to this addendum.

Item 114

Clarification: Detail 9/A-502 dimension 1'-11" is incorrectly placed. Note has been relocated for clarification. Refer to ADA-21 attached to this addendum.

Item 115

Clarification: A-612 highest insulation thickness is noted for clarification. Plan shows slope of insulation. Refer to ADA-32 attached to this addendum.

Item 116

Clarification: Detail bubble referring to typical detail 1/A-623 has been added to detail 1,3,4&6/A-620 to note the drip edge. Refer to ADA-24, ADA-49, ADA-50 and ADA-51 attached to this addendum.

Item 117

Clarification: Pressure treated cants and gutter material have been noted in detail 2/A-623 for clarification. Refer to ADA-26 attached to this addendum.

Item 118

Clarification: Dimension for vent pipe extension shown on detail 5/A-623 have been corrected to comply with code. Refer to ADA-28 attached to this addendum.

Item 119

Clarification: The basic wind requirements are correctly noted as 90mph on S-001. Specification section 075719,1.3, G, 7. Is corrected to read "Basic wind speed: 90 MPH"

ADDENDUM NO.: 2

DATE OF ADDENDUM: JUNE 2, 2015

Item 120

Question: "Details B1 L.104, B2 L.104 and G L.104 are missing on Drawing L.101A." RESPONSE: Details B1/L.104 and B2/L.104 are designated specific pavers noted within Detail B/L.104. We do not see that G/L.104 is being referenced... Perhaps the "6" in Detail 6/L.104 is being mistaken for a "G".

Item 121

Question: "On Drawing L.101A At the parking lot entrance off Rte. 44 there is a strip between the Bit Conc driveway apron and Bit Conc Paving that is not labeled with the type of treatment here." RESPONSE: The 6' strip we believe is being referred to here is intended to be a continuation of the concrete sidewalk. To be constructed as "Heavy Duty" Concrete Walk per D/L.104.

Item 122

Question: "On Drawing L.101A the Semi Circle pavers between the proposed building and Rte. 44 are not labeled with the type(s) of treatment or a reference to the working detail." RESPONSE: The various paver types are labeled on L.102b and specified by type in the specifications... they are keyed in on L.101a as Detail B1/L.104.

Item 123

Question: "On Drawing L.101A Pavers between Conc Walk Paving and Semi Circle Pavers are not labeled with the type(s) of treatment or a reference to the working detail." RESPONSE: The various paver types are labeled on L.102b and specified by type in the specifications... they are keyed in on L.101a as Detail B1/L.104.

Item 124

Question: "On Drawing L.101A Drop Off Area (Loading Zone) is not labeled with the type(s) of treatment or a reference to the working detail." RESPONSE: The various paver types are labeled on L.102b and specified by type in the specifications... they are keyed in on L.102a as Detail B1/L.104.

Item 125

Question: "On Drawing L.101A Pavers crossing bit Conc Driveway is labeled B1/L.104 but there is no detail with this designation." RESPONSE: Details B1/L.104 and B2/L.104 are designated specific pavers noted per Detail B/L.104.

Item 126

Question: "On Drawing L.101A at the Proposed Pedestrian Crosswalk there are two area's labeled B1/L.104 and B2/L.104 but there is no detail with this designation." RESPONSE: Details B1/L.104 and B2/L.104 are designated specific pavers noted per Detail B/L.104.

Item 127

Question: "On Drawing L.101A the proposed Chiller Pads are not labeled with the type(s) of treatment or a reference to the working detail." RESPONSE: See Civil / Utility drawings for chiller pad requirements.

Item 128

Question: "On Drawing L.101A the "Blue Light" areas are labeled B1/L.104 but there is no detail with this designation." RESPONSE: Details B1/L.104 and B2/L.104 are designated specific pavers noted per Detail B/L.104.

Item 129

Question: "On Drawing L.101A there are UNREADABLE notes within the work area's on Rte. 44." RESPONSE: Text has been clarified on sketch. Refer to ADL&-02 attached to this addendum.

ADDENDUM NO.: 2

DATE OF ADDENDUM: JUNE 2, 2015

Item 130

Clarification: Notes have been added to detain 4/A-621. Refer to ADA-25 attached to this addendum.

Item 131

Clarification: Omit shower seat mounting height reference on G-001. Refer to ADA-10 attached to this addendum.

Item 132

Clarification: Break-line has been added to 4/A-612.1 for clarification. Refer to ADA-23 attached to this addendum.

Item 133

Clarification: Backer rod and sealant correctly drawn on 1/A-610. Refer to ADA-22 attached to this addendum.

Item 134

Clarification: Omit note drawn on 1/A-131. Refer to ADA-52 attached to this addendum.

Item 134

Clarification: Revised notes on 2/A-621. Refer to ADA-59 attached to this addendum.

Item 135

Clarification: Revise reference notes on 2/A-210 for clarification. Refer to ADA-58 attached to this addendum.

Item 136

Substitution Request: BASF Wall Systems – Fluid Applied Vapor-Permeable Air Barrier – Not accepted; Record Automatic Door – Not accepted; HDI Railing System – Not Accepted; Inside Outfitters Roller shades – Accepted.

Item 137

Attachment: 6020 Bid Phase Meeting Attendance Logs.

Item 138

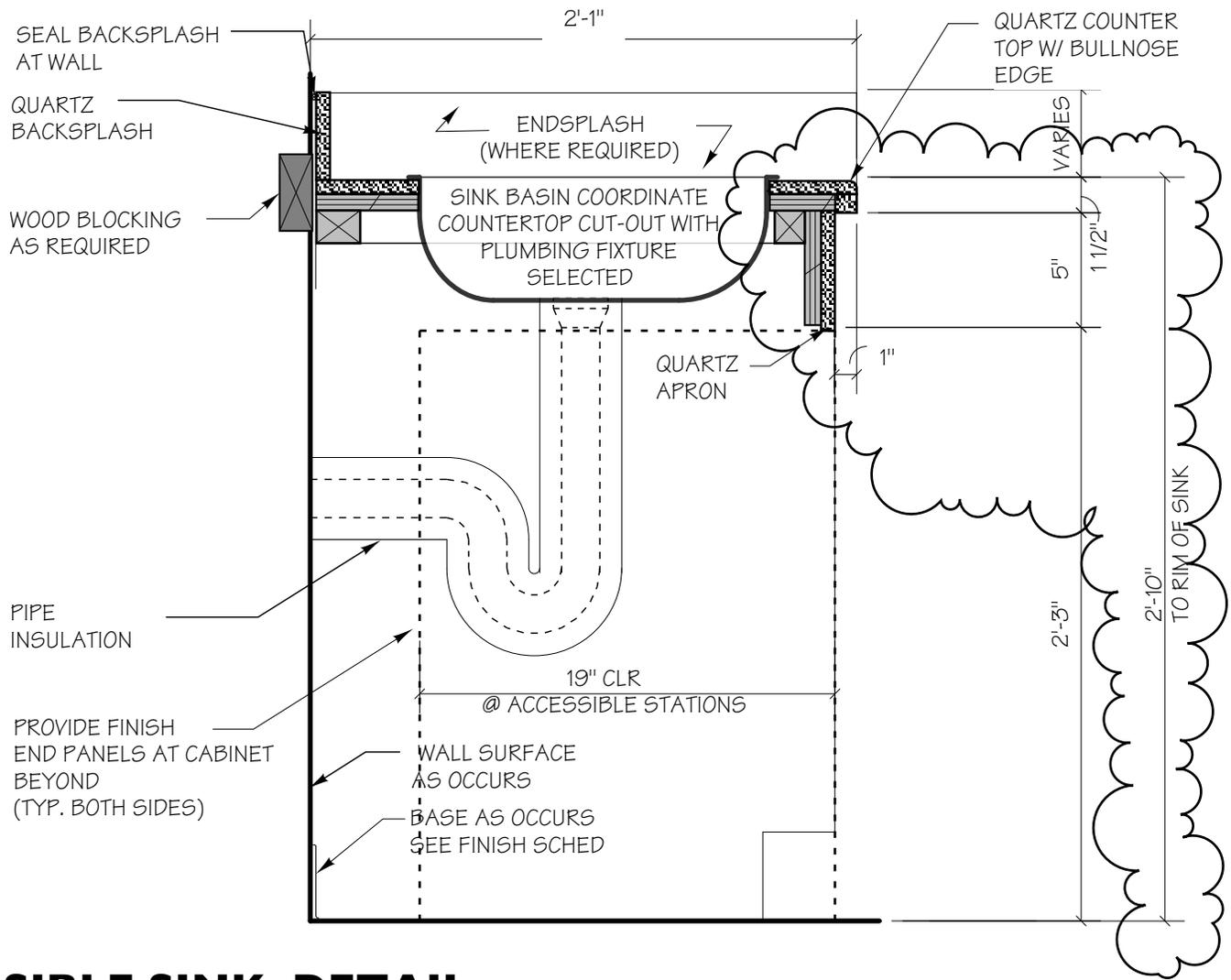
Drawing Attachment Drawings: For printing clarification the following guide is given for drawing attachments.
Formatted for 24 x 36: G-010 and G-010.S
Formatted for 11 X 17: ADA-05, 06, 08, 09, 48, 49, 53, 57, 58, 59, ADH-01-04, ADHP-01, ADMEP-01, ADL-01-03
Formatted for 8 ½ X 11: ADA-01, 02, 03, 04, 07, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 50, 51, 52, 54, 55, and 56

All questions must be in writing (not phone or e-mail) and must be forwarded to the consulting Architect/Engineer (Northeast Collaborative Architects 860-347-4075) with copies sent to the CT DCS Project Manager (Barbara Cosgrove 860-214-6502) and Construction Manager (Downes Construction Company LLC 860-225-3617)

End of Addendum 2



Mellanee Walton, Associate Fiscal Administrative Officer
Department of Administrative Services
On Behalf of the Division of Construction Services



I
ADA-01

ACCESSIBLE SINK DETAIL

SCALE: 1 1/2"=1'-0" REVISED DETAIL 3/A-350

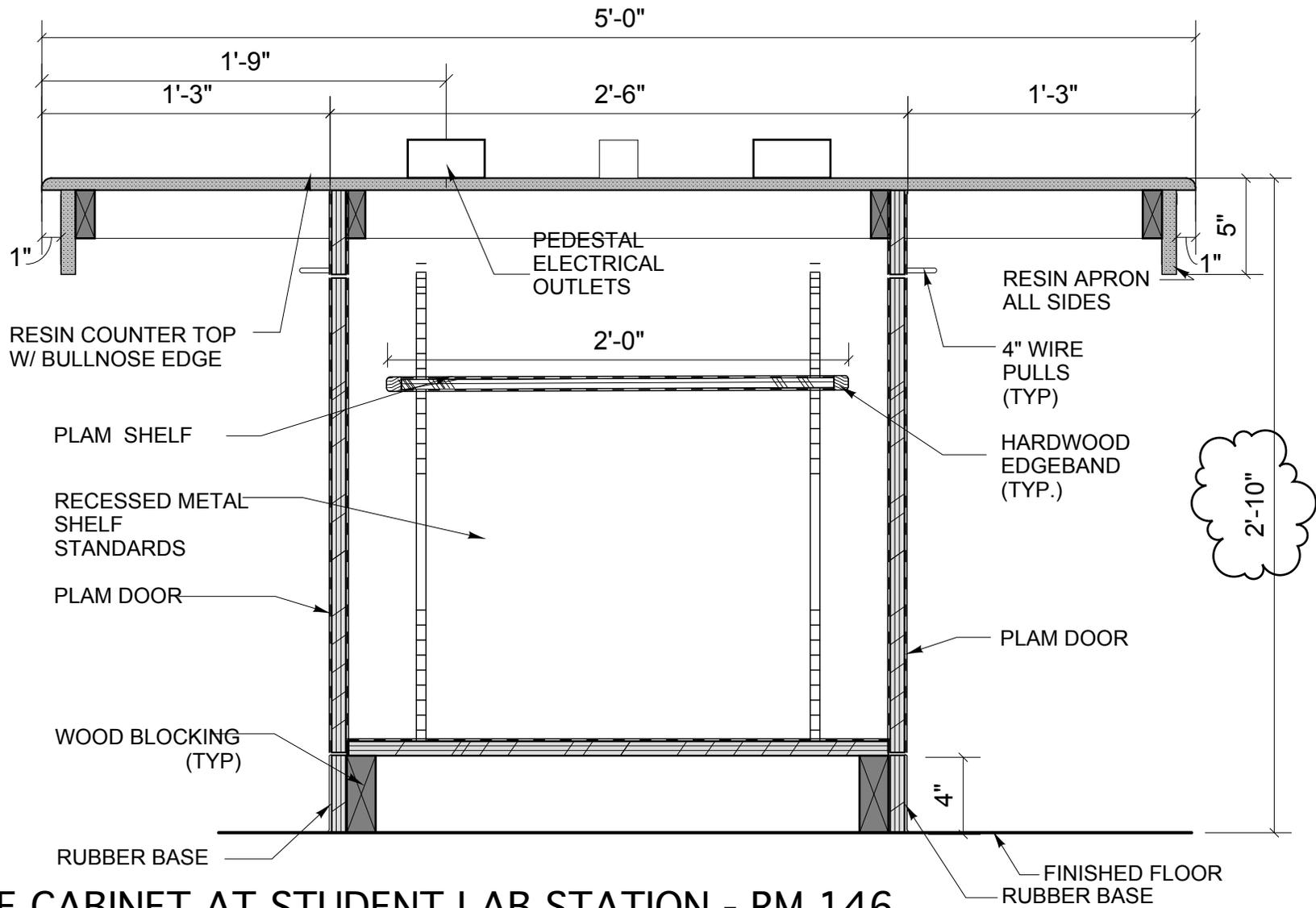
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DATE: 05/27/15

ADA-01



A 1
ADA-02

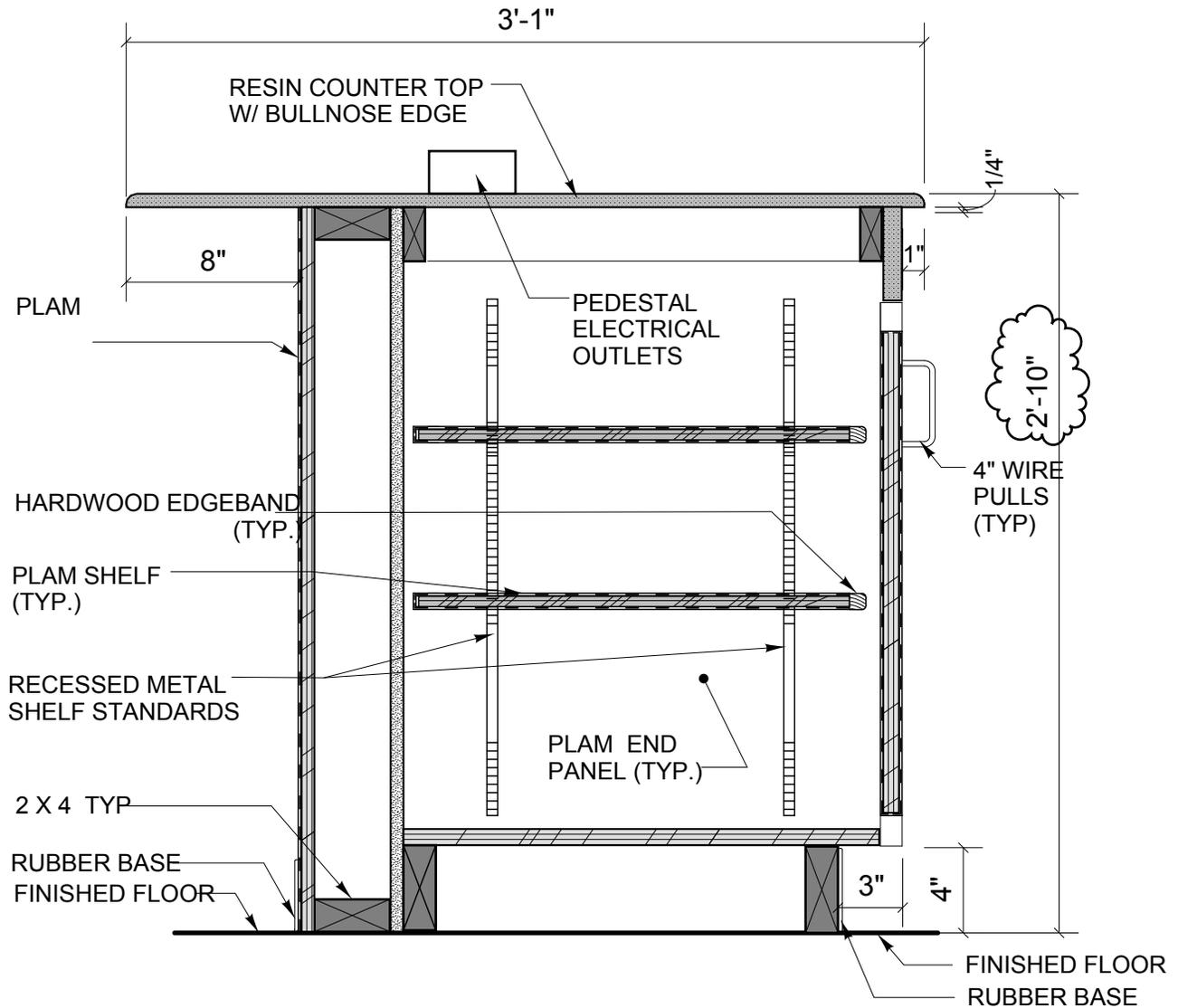
BASE CABINET AT STUDENT LAB STATION - RM 146

SCALE: 1 1/2" = 1'-0" REVISED DETAIL 2/A-352

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ADA-02



A 1
ADA-03

DRAWERS AT TEACHERS STATION - RM 146

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

REVISED DETAIL 3/A-352

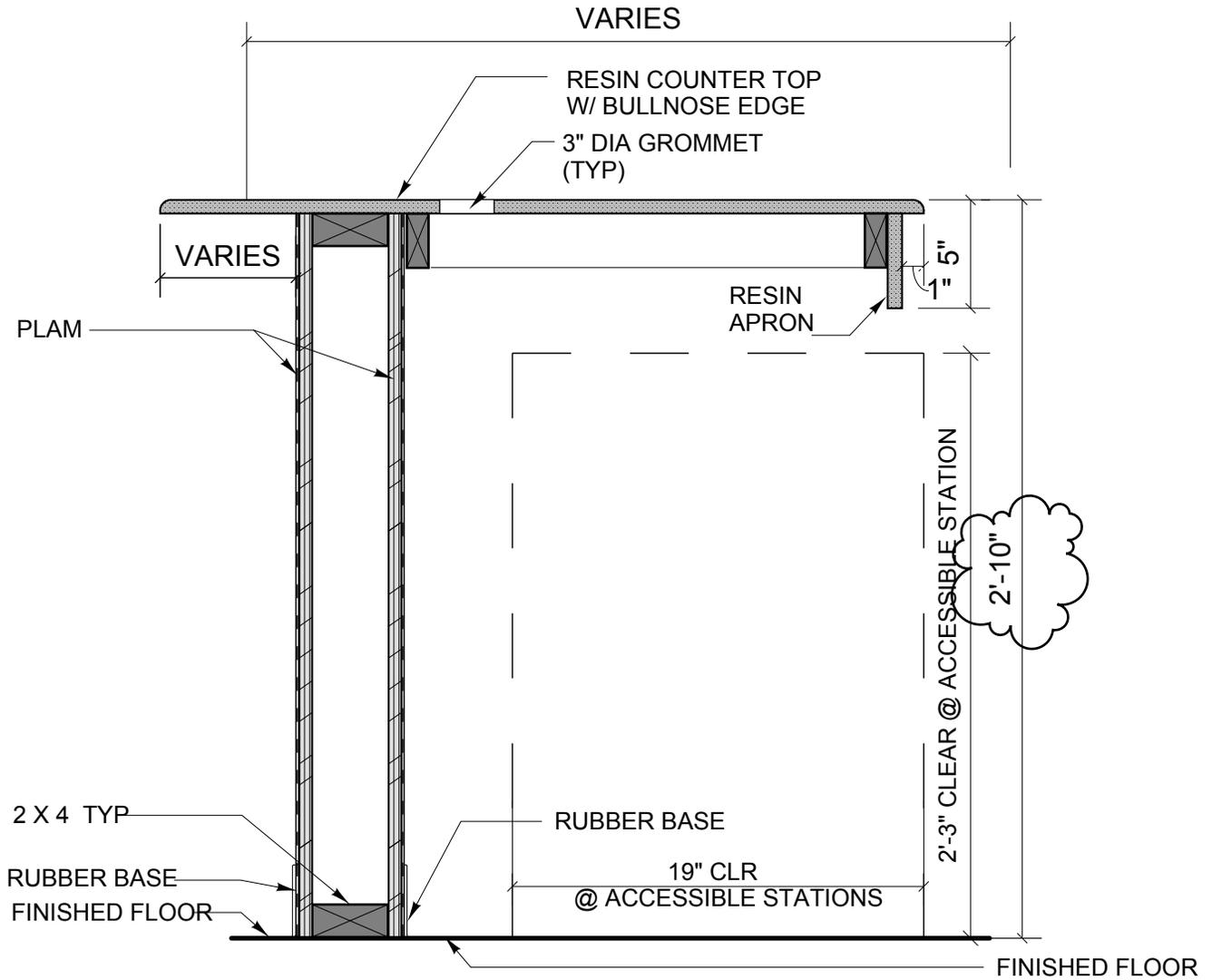
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ADA-03



A 1
ACCESSIBLE DESK AT TEACHERS STATION - RM 146
 ADA-04 SCALE: 1 1/2" = 1'-0" REVISED DETAIL 4/A-352

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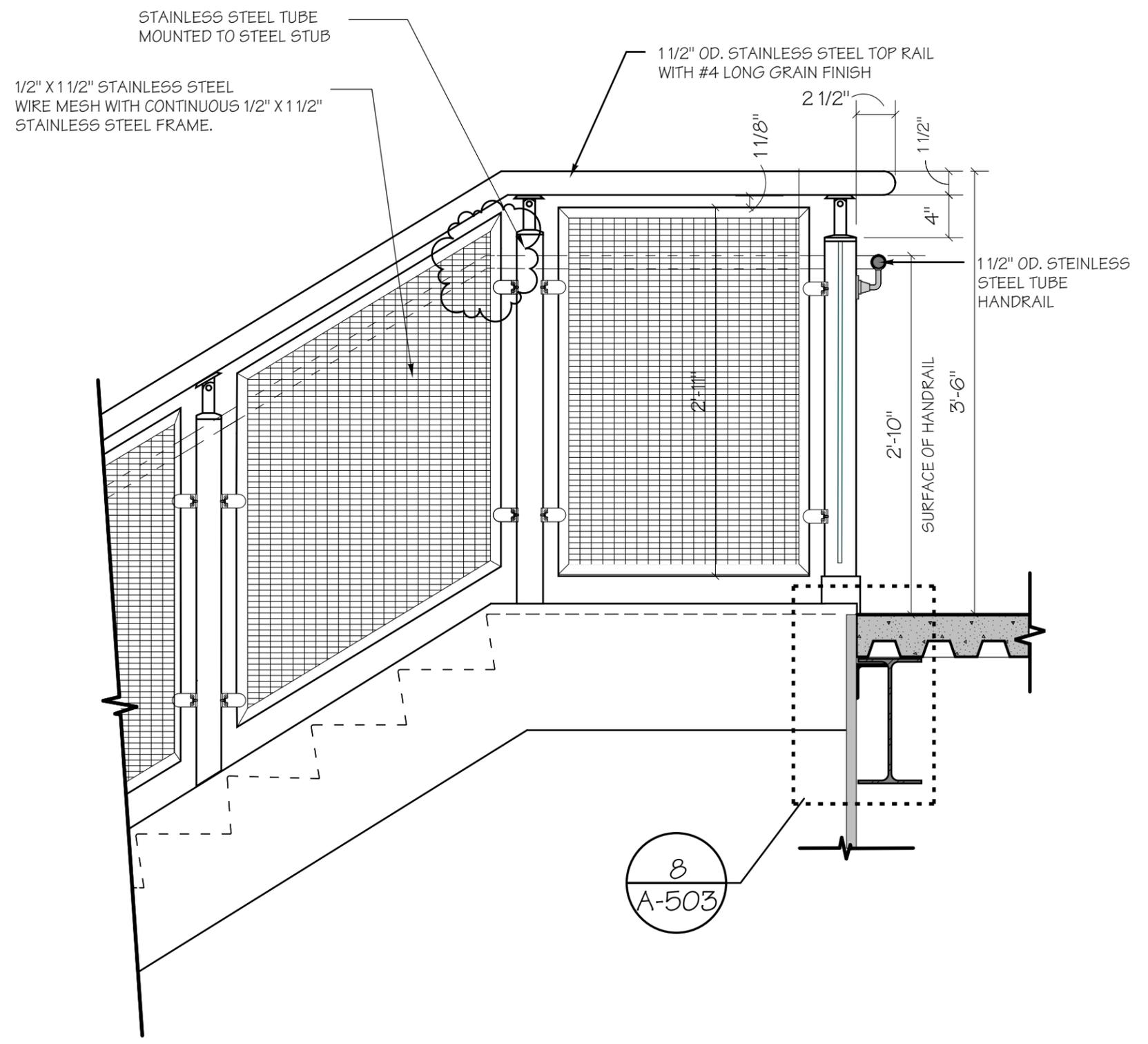
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 ADA-04

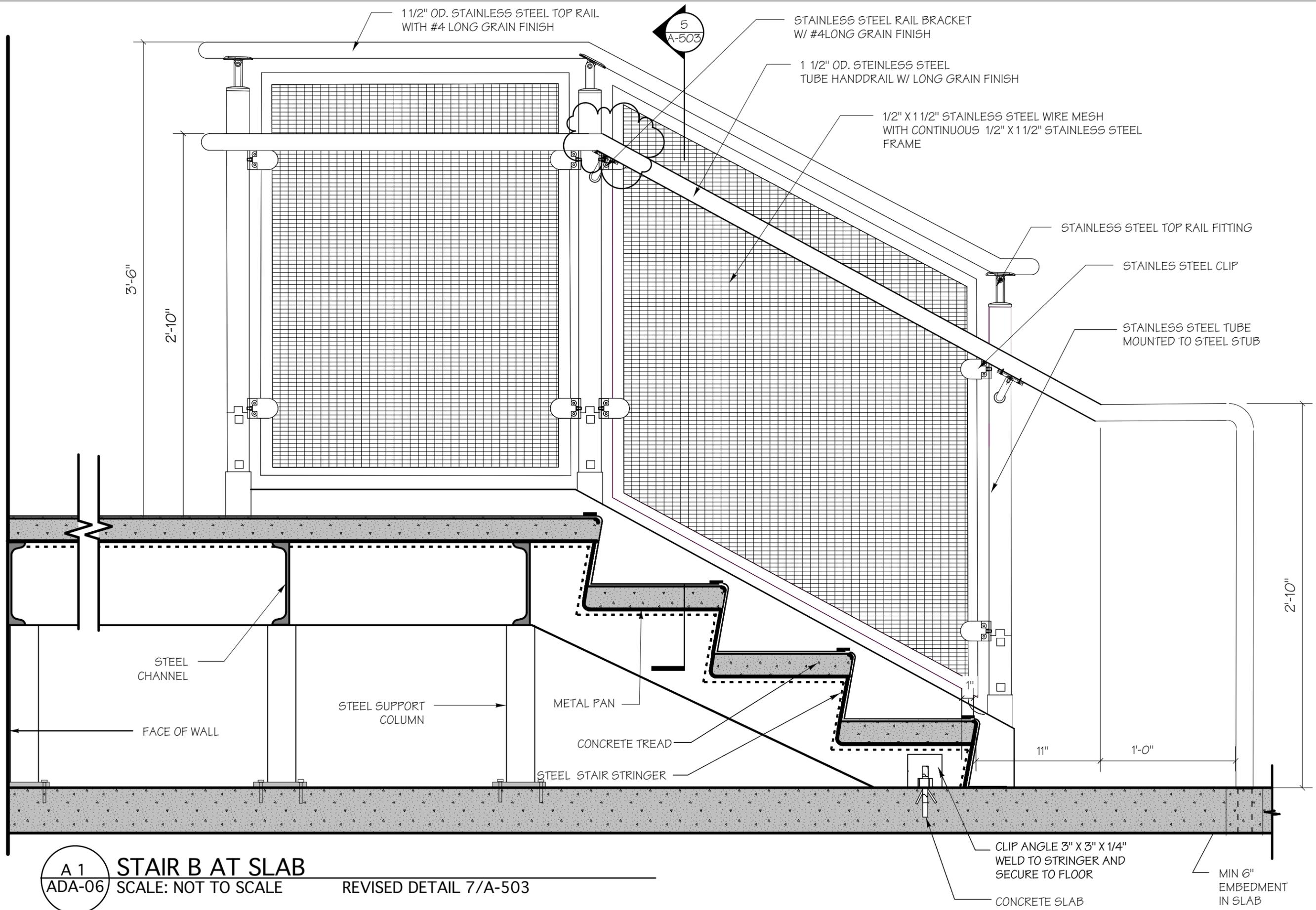
A 1
ADA-05

STAIR B AT LANDING

SCALE: 1" = 1'-0" REVISED DETAIL 6/A-503



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DATE: 05/04/15	STATE PROJECT NO. BI-CTC-427	
ADA-05		



A 1
ADA-06

STAIR B AT SLAB

SCALE: NOT TO SCALE

REVISED DETAIL 7/A-503

NCA PROJECT NO. 08290	DATE: 05/04/15	ADA-06
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2
A-504

2 1/2" X 1 1/2" STAINLESS STEEL
w/ #4 LONG GRAIN w/V-CUT OUTSIDE
CORNERS

1/2" FROSTED GLASS
GUARDRAIL ON "WELL
SIDE" OF RAILING

3'-6"

5 1/8"

1/4" BENT PLATE
SEE STRUCTURAL DWG

STEEL BEAM

SUSPENDED 5/8" GWB CEILING PTD

A 1
ADA-08

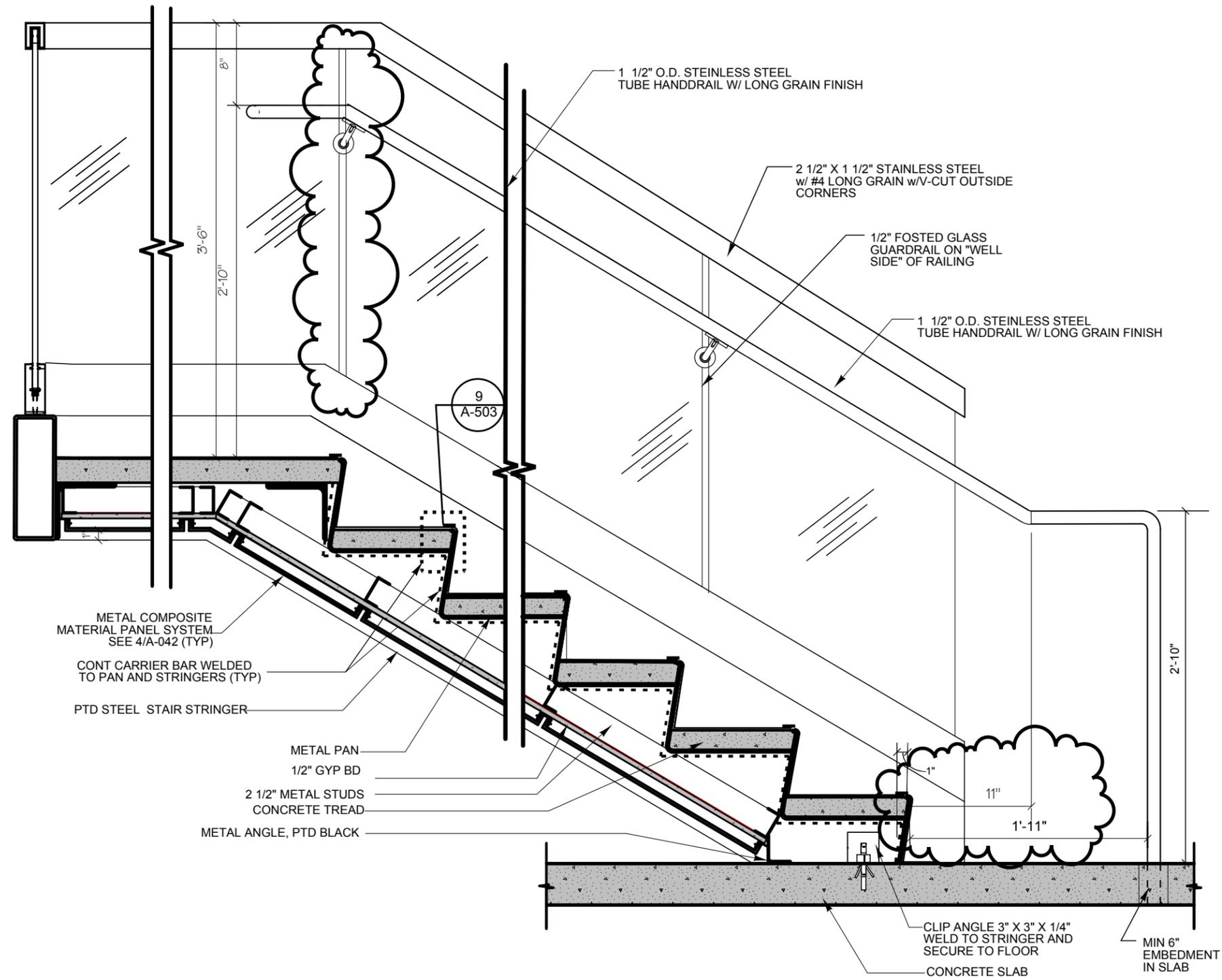
RAILING AT GUARDRAIL (STAIR)

SCALE: 1" = 1'-0" REVISED DETAIL 5/A-504

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DATE: 05/04/15
ADA-08

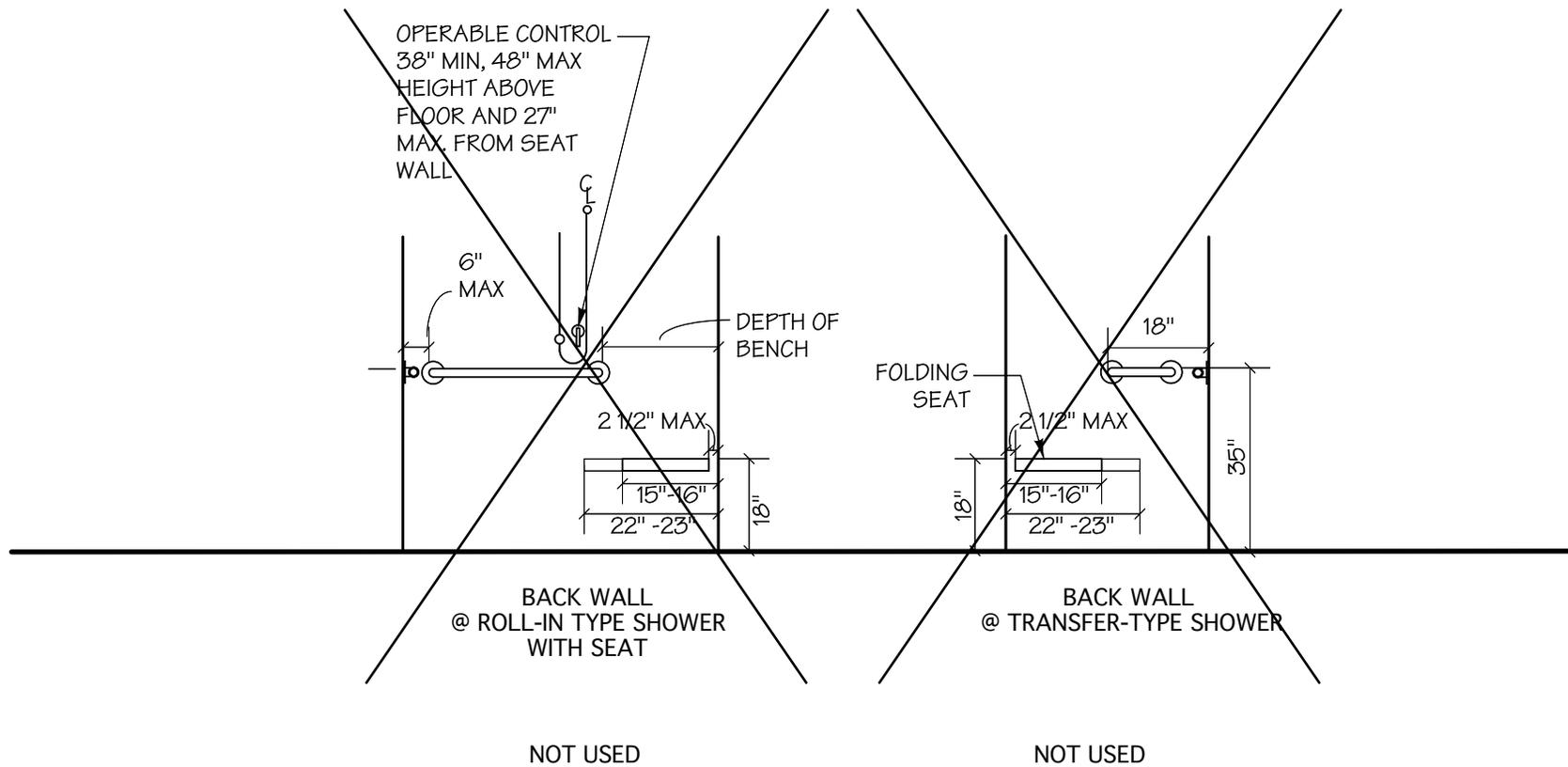
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 ADA-09 SCALE: NOT TO SCALE REVISED DETAILS 6 & 7/A-504

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A 1
ADA-10

FIXTURE AND ACCESSORY MOUNTING HEIGHTS

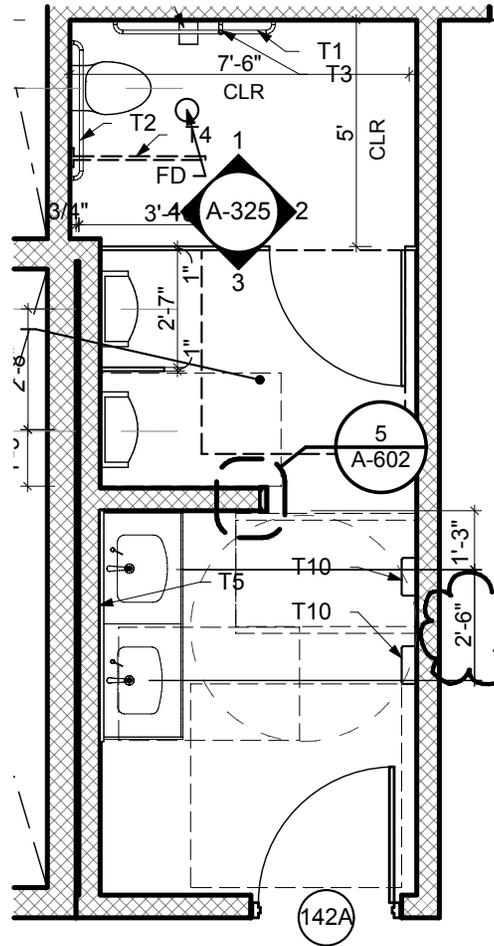
SCALE: NTS

REVISED SHEET G-001

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ADA-10



TOILET AND LOCKER RMS MAIN LEVEL (RM 142A)

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

REVISED PLAN 23/A-325

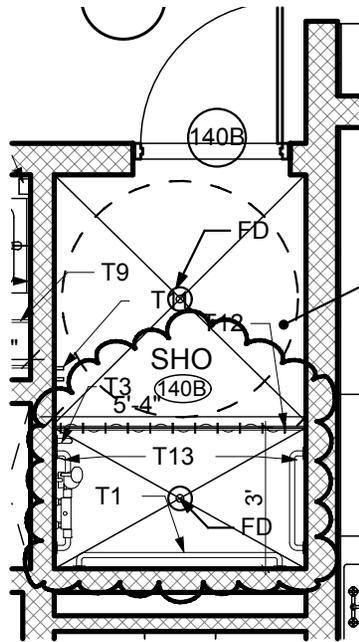
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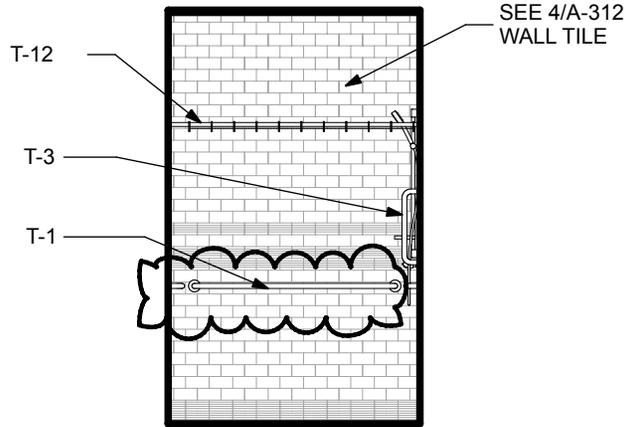
ADA-11



**ACCESSIBLE SHOWER
-RM 140**

01
ADA-12

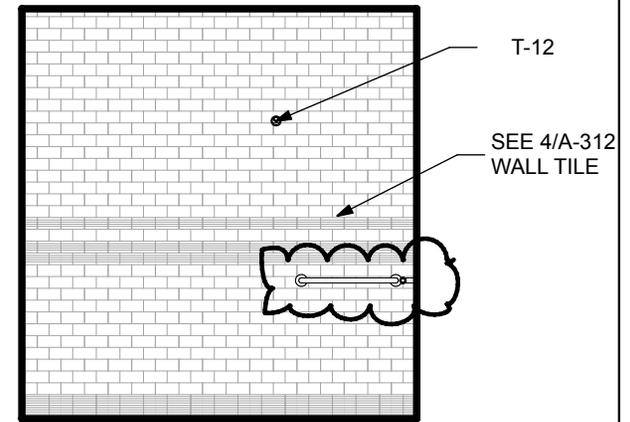
SCALE: 1/4" = 1'-0"
REVISED PLAN 23/A-325



**SHOWER
140B SOUTH**

02
ADA-12

SCALE: 1/4" = 1'-0"
REVISED ELEV 15/A-325



**SHOWER
140B EAST**

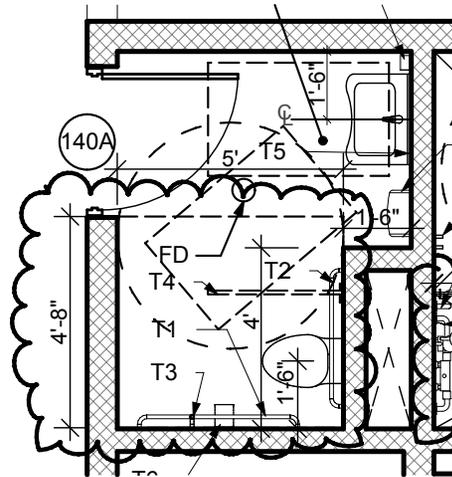
03
ADA-12

SCALE: 1/4" = 1'-0"
REVISED ELEV 14/A-325

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DATE: 05/27/15
ADA-12



TOILET AND LOCKER RMS MAIN LEVEL (RM 140A)

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

REVISED PLAN 23/A-325

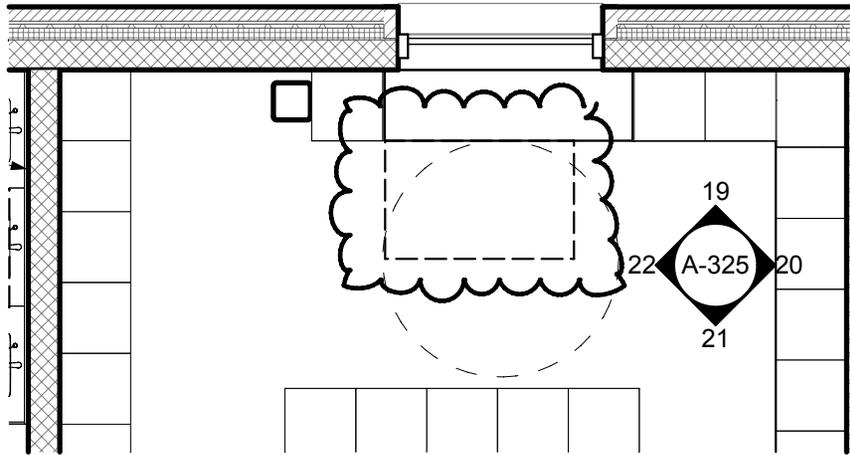
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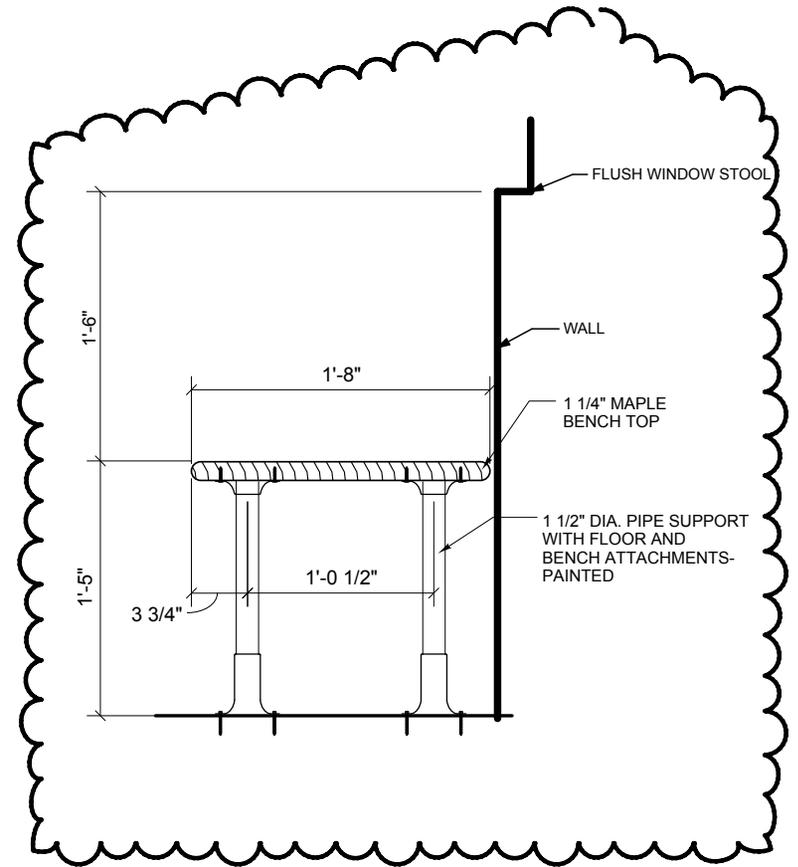
ADA-13



1
ADA-14

ADA APPROACH @ BENCH - RM 140

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



2
ADA-14

LOCKER ROOM BENCH - RM 140

NOT TO SCALE

REVISED ELEVATION 6/A-352

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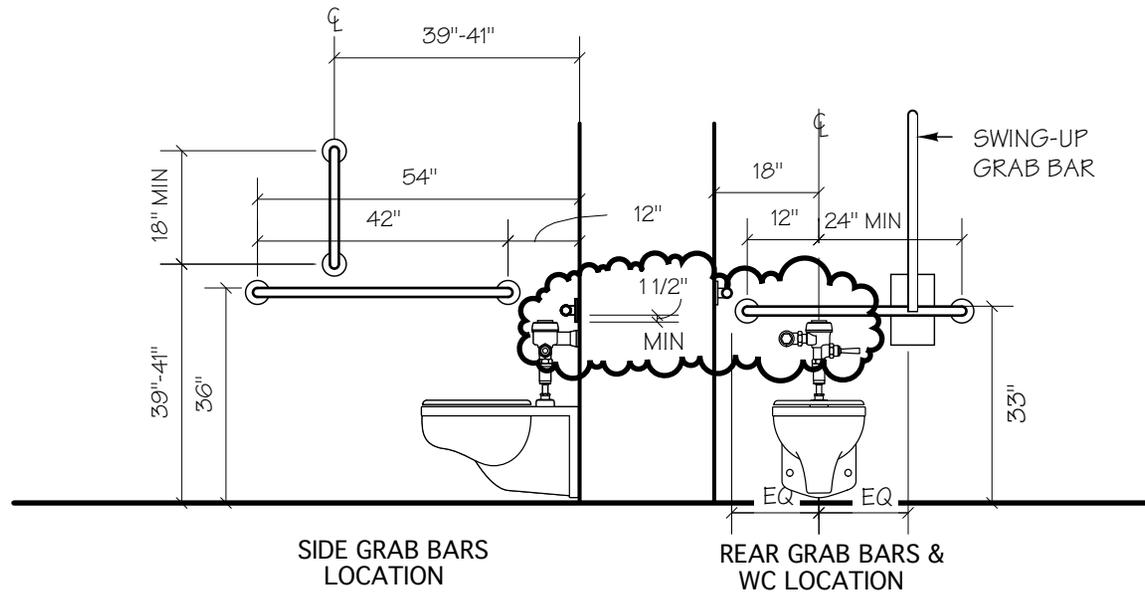
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DATE: 05/27/15

ADA-14



A 1
ADA-15

FIXTURE CLEARANCE

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

REVISED DETAIL G-001

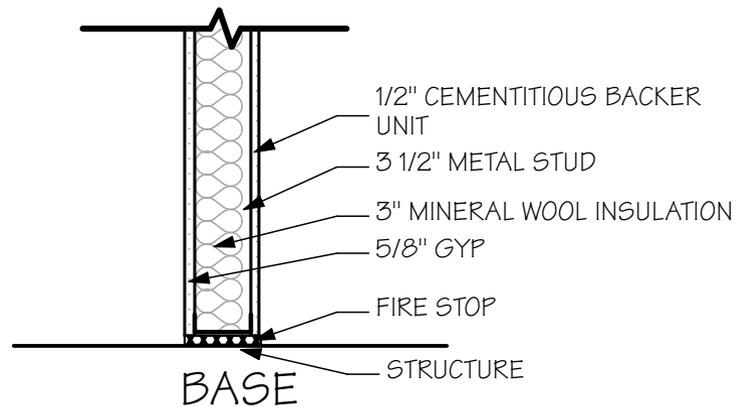
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DATE: 05/27/15

ADA-15



TYPE

13

UL# - U404
1 HOUR FIRE RATING

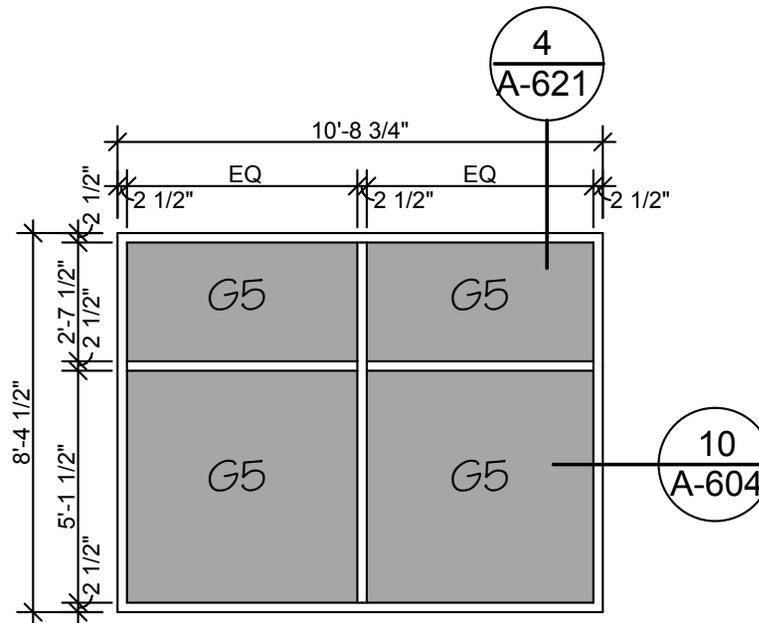
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NCA PROJECT NO.
08290

DATE: 05/27/15

ADA-16



NOTE:
 EDGE TRIM ON EXTERIOR AND INTERIOR
 TO BE PROVIDED BY CURTAIN WALL MANUFACTURER.
 REFER TO 10/A-604 JAMB

 RATED WINDOW ASSEMBLY U537
 12 1 HOUR FIRE RATED

1
 ADA-17

WINDOW ELEVATION TYPES

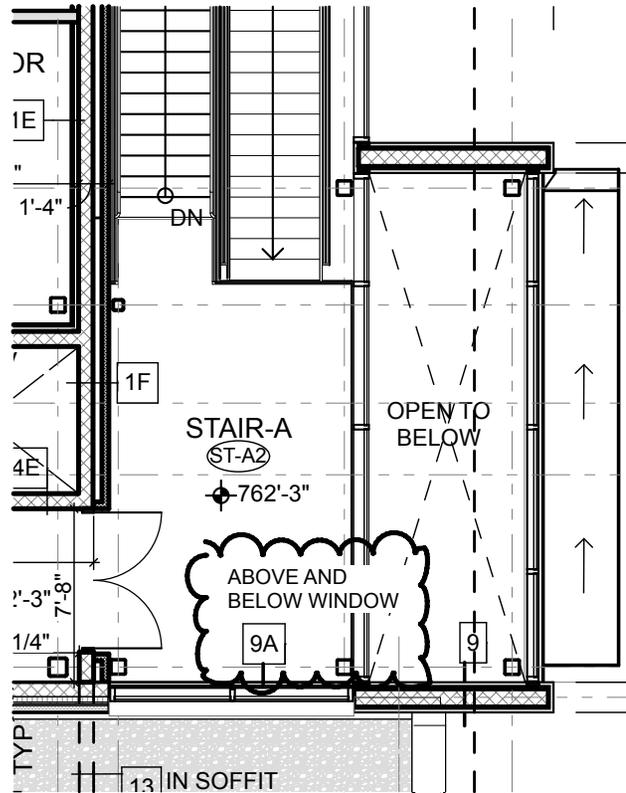
SCALE: 1/4" = 1'-0"

REVISED ELEVATION 1/A-040

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NCA PROJECT NO.
 08290
 DATE: 05/27/15
 ADA-17



UPPER LEVEL DIM PLAN

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

TYPICAL FOR A-131 AND A-131.S

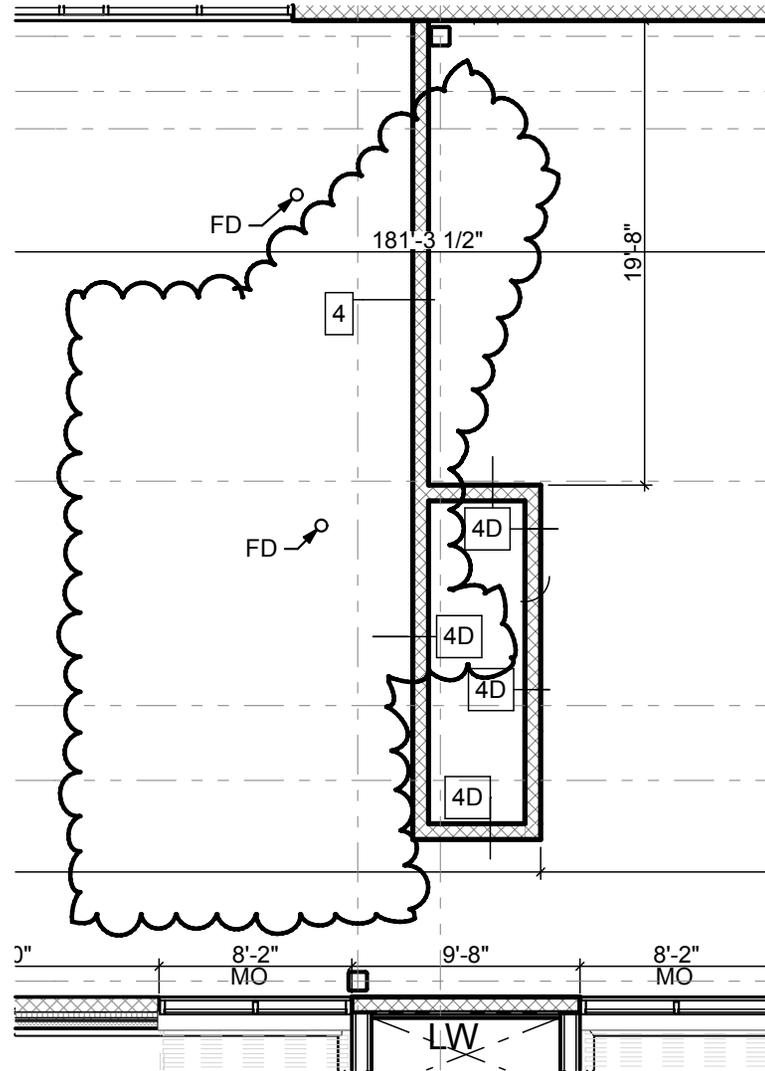
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DATE: 05/27/15

ADA-18



1
ADA-19

UPPER LEVEL DIM PLAN

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

REVISED PLAN 1/A-131

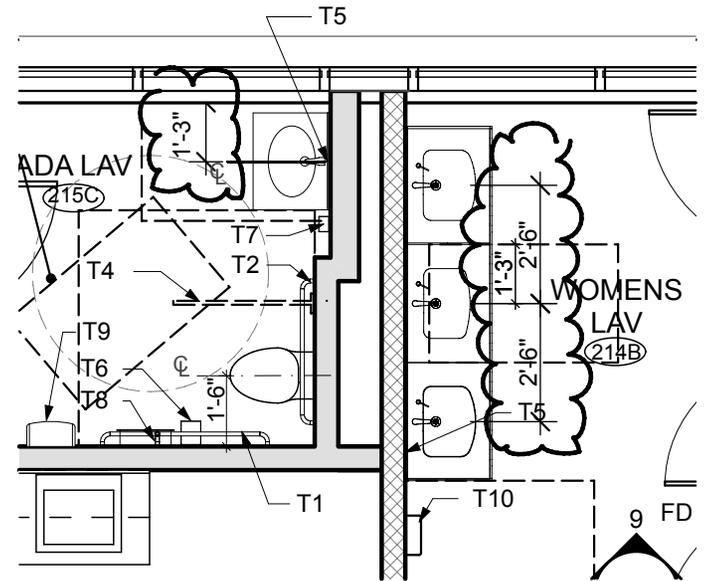
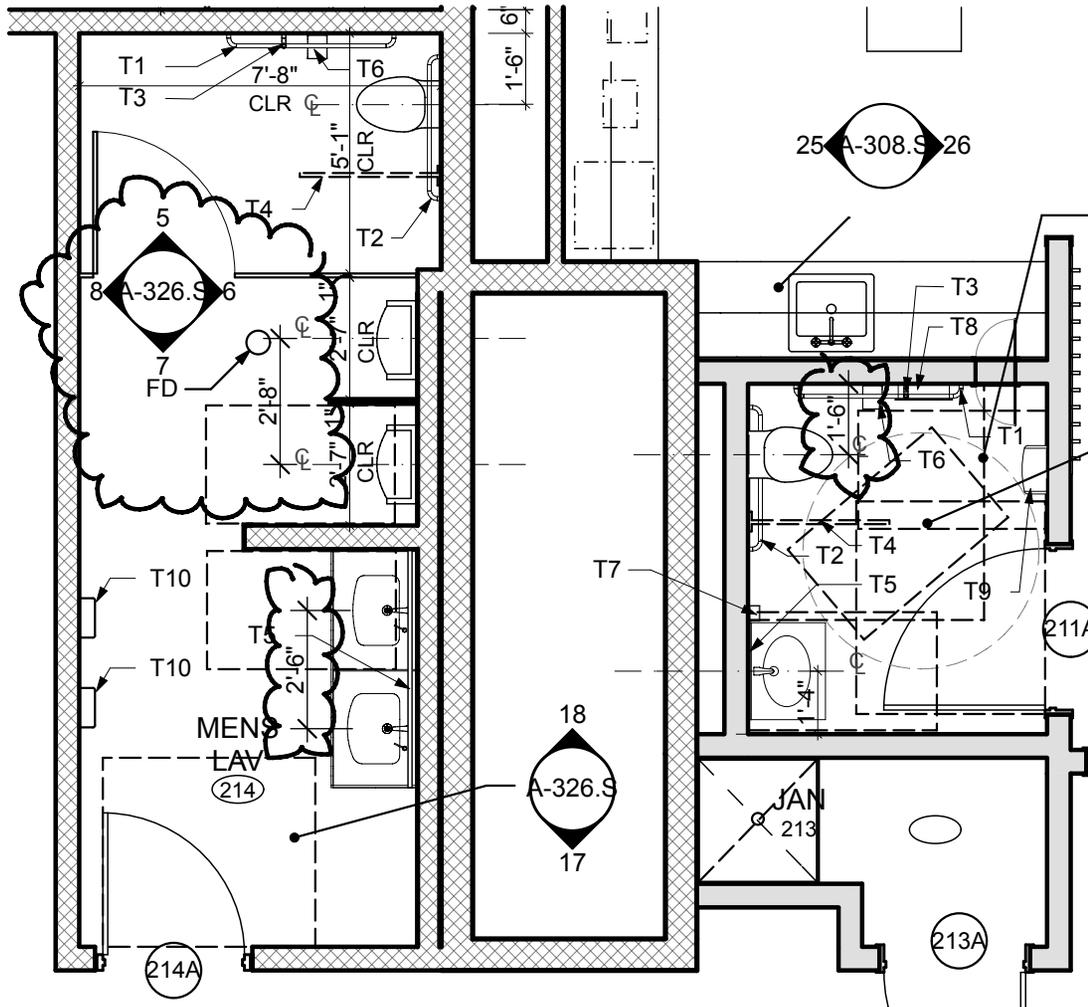
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DATE: 05/27/15

ADA-19



2
ADA-20

UPPER LEVEL TOILET

SCALE: 1/4" = 1'-0" REVISED PLAN 19/A-326.S

1
ADA-20

UPPER LEVEL TOILET PLANS - A-326.S

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

REVISED PLAN 19/A-326.S

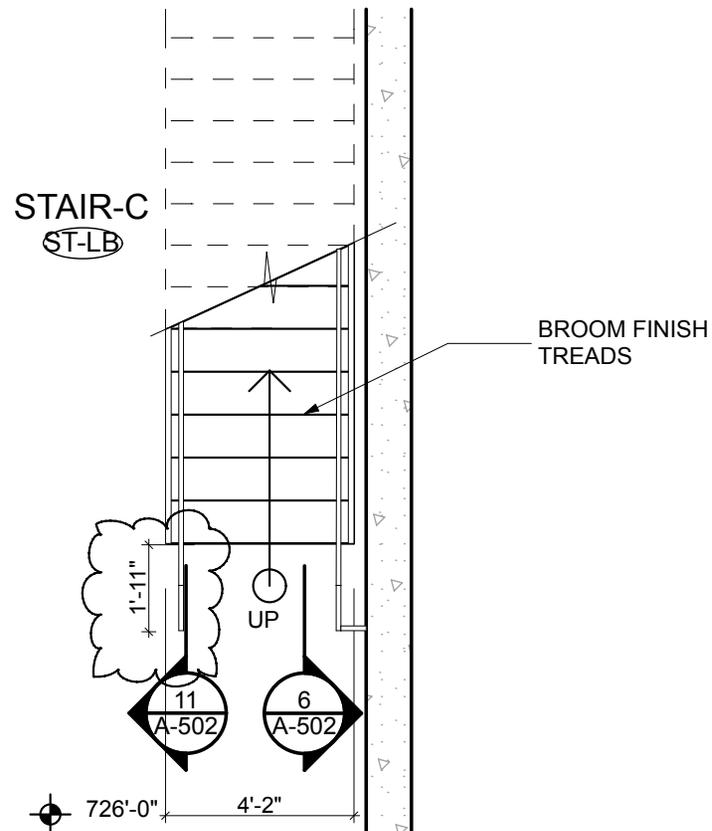
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ADA-20



STAIR C @ BASEMENT

SCALE: 1/4" = 1'-0" REVISED DETAIL 9/A-502

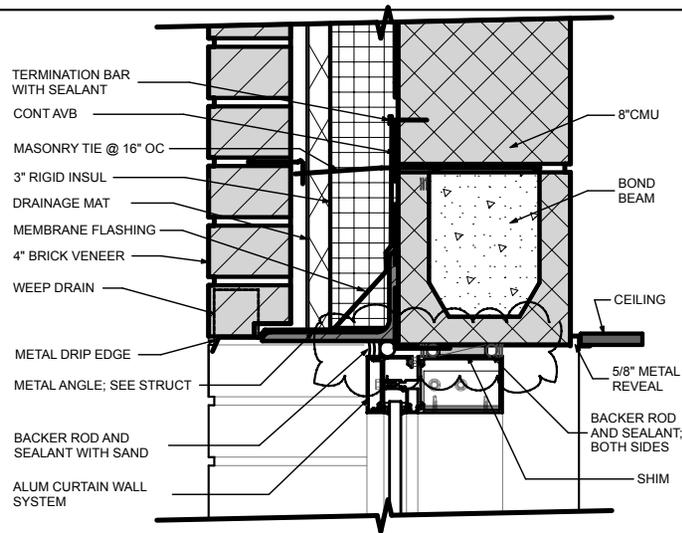
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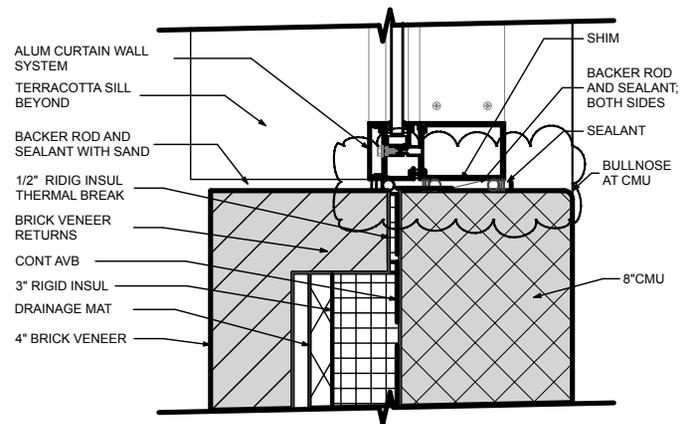
NCA PROJECT NO.
08290

DATE: 05/27/15

ADA-21



DETAIL @ HEAD



DETAIL @ JAMB

TYP WINDOW DETAIL @ MAIN LEVEL



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

REVISED DETAIL 1/A-610

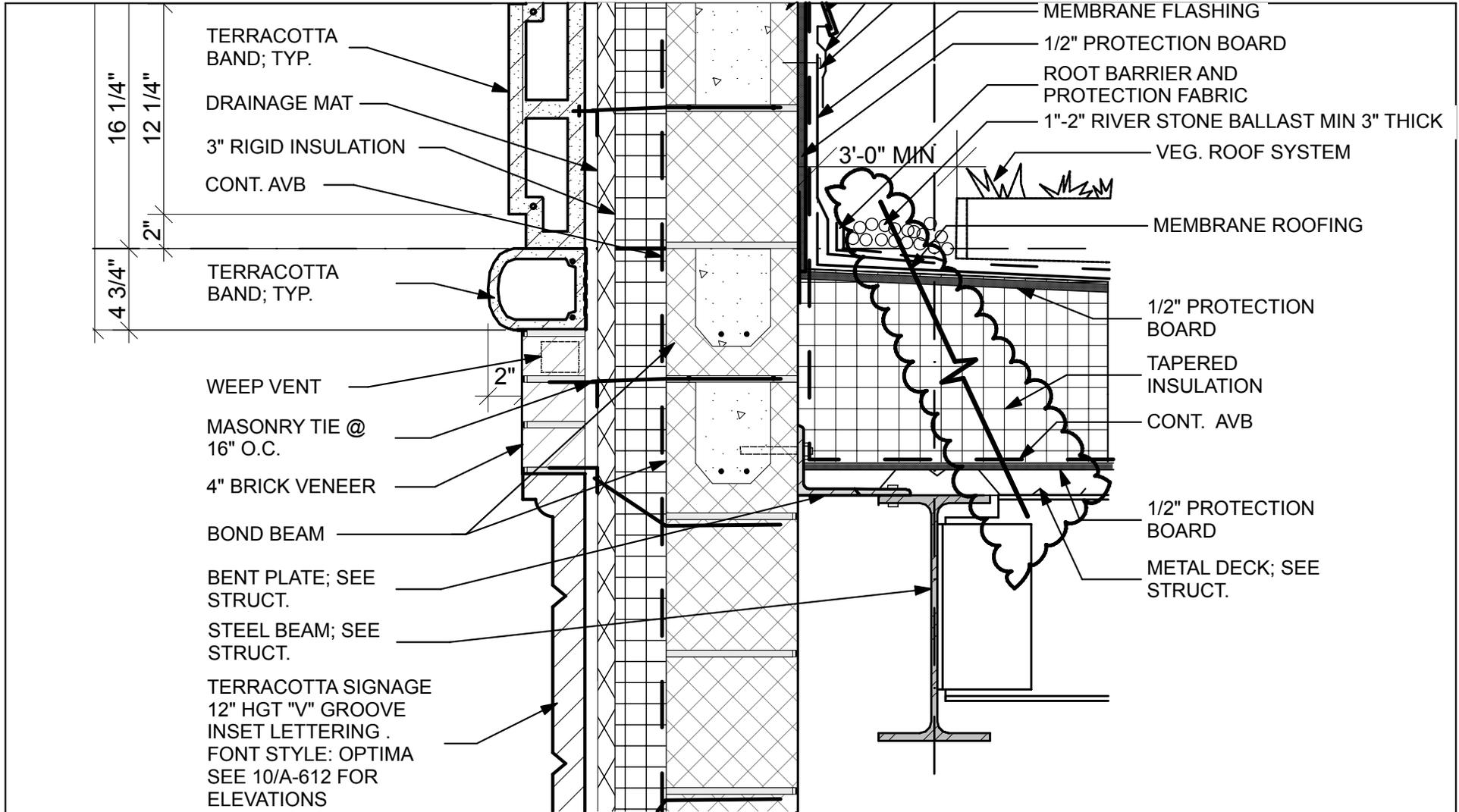
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ADA-22



1
ADA-23

ROOF DETAIL AT PARAPET

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

REVISED 4/A-612.1

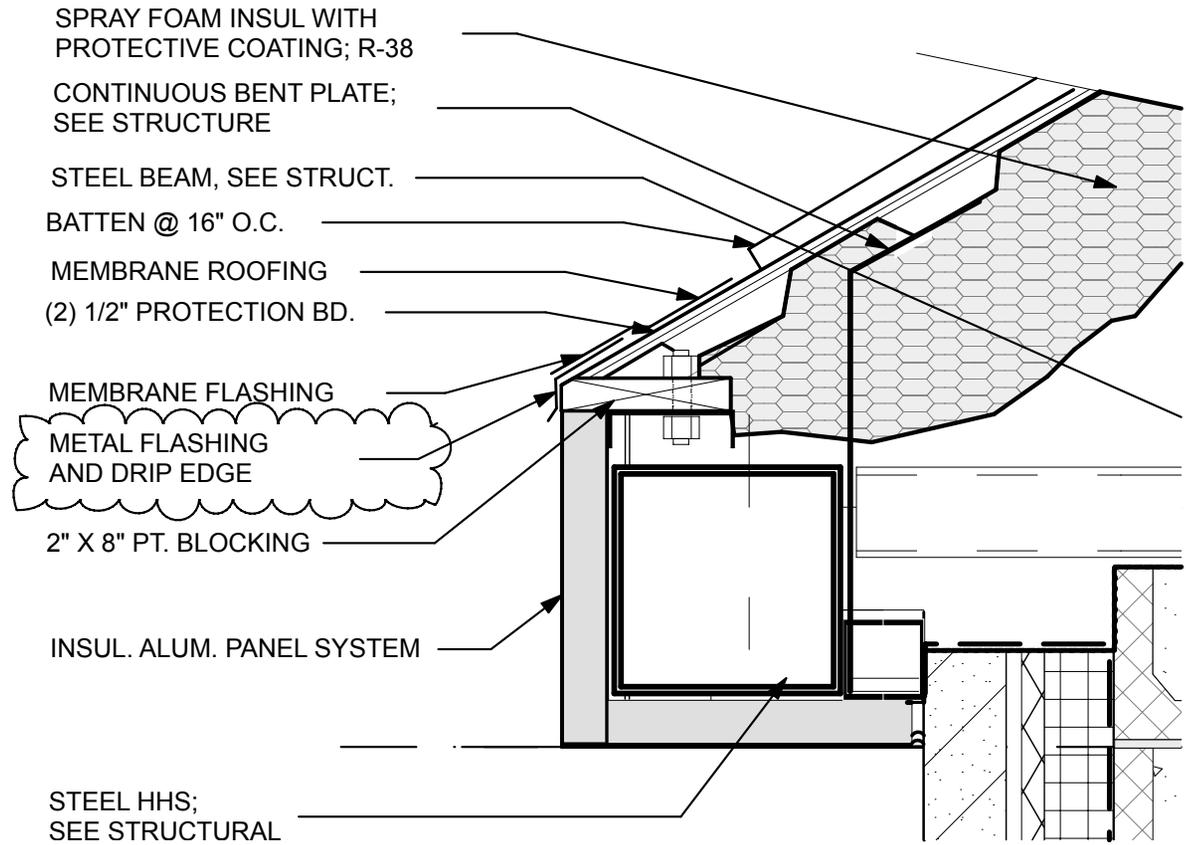
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ADA-23



1
ADA-24

ROOF DETAIL @ WEST EAVE

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

REVISED DETAIL 6/A-620

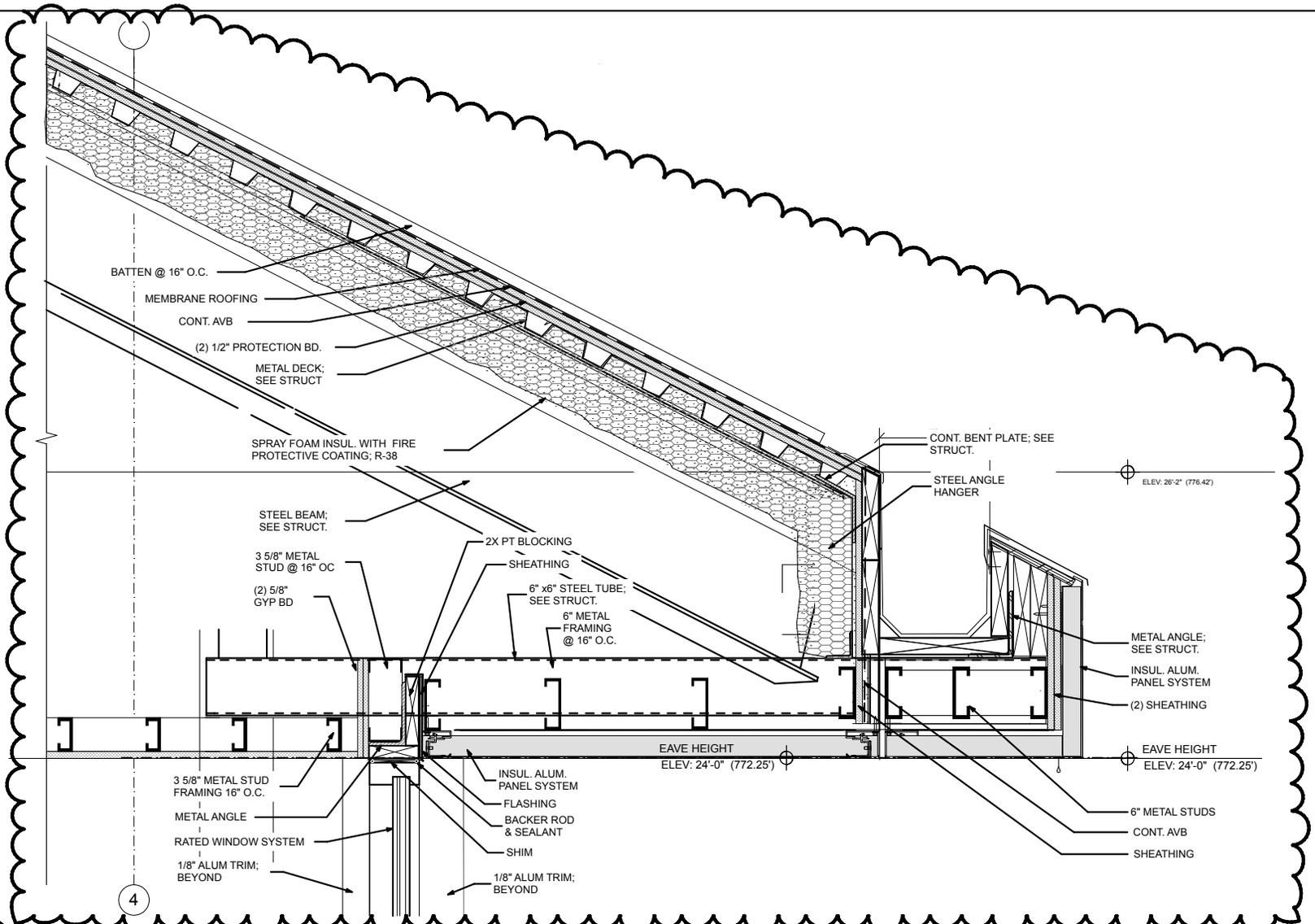
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ADA-24



I
ADA-25

ROOF DETAIL @ RATED WINDOW HEAD

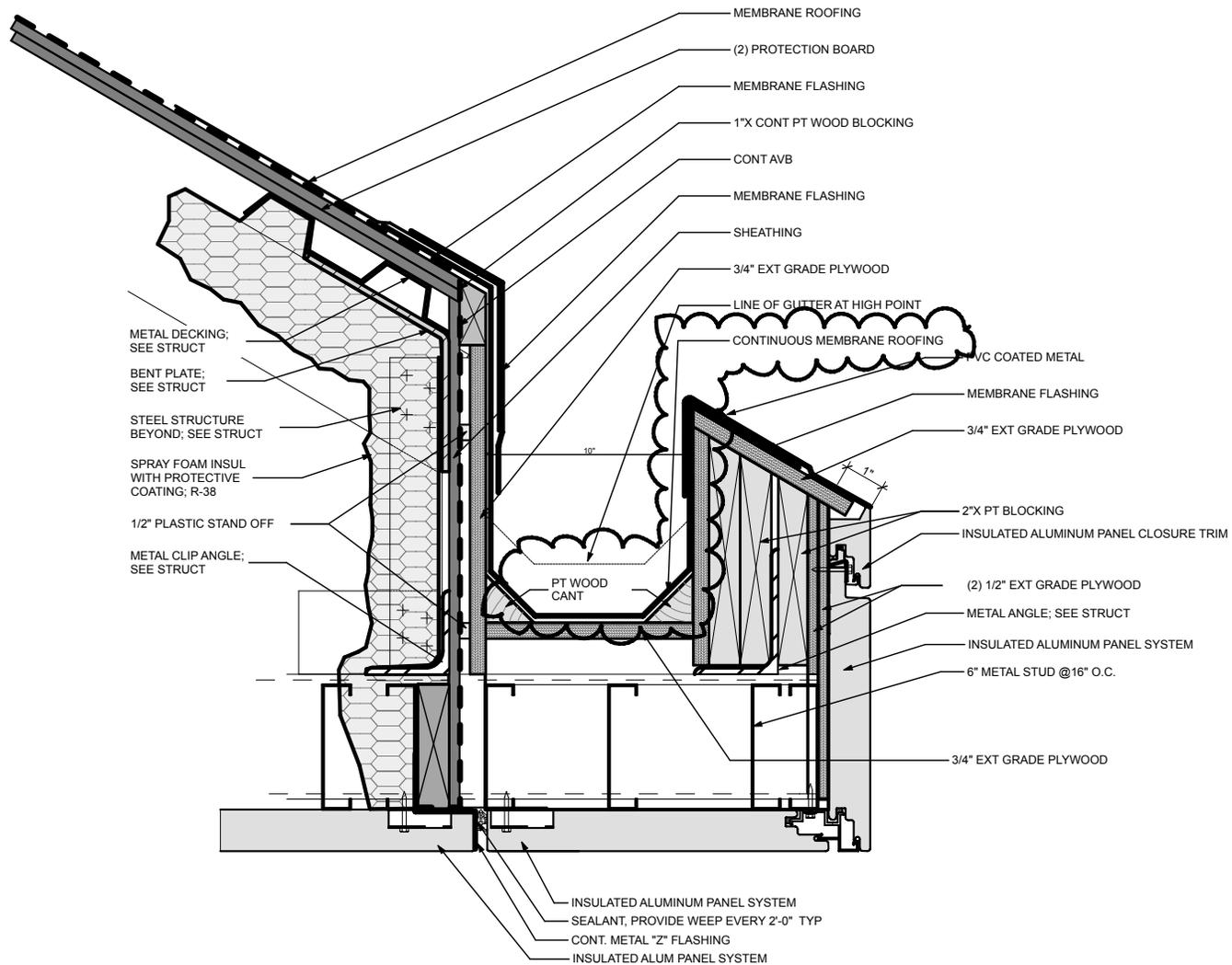
SCALE: 3/4" = 1'-0"

REVISED DETAIL 4/A-621

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 ADA-25



1
ADA-26

ENLARGED GUTTER DETAIL

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

REVISED DETAIL 2/A-623

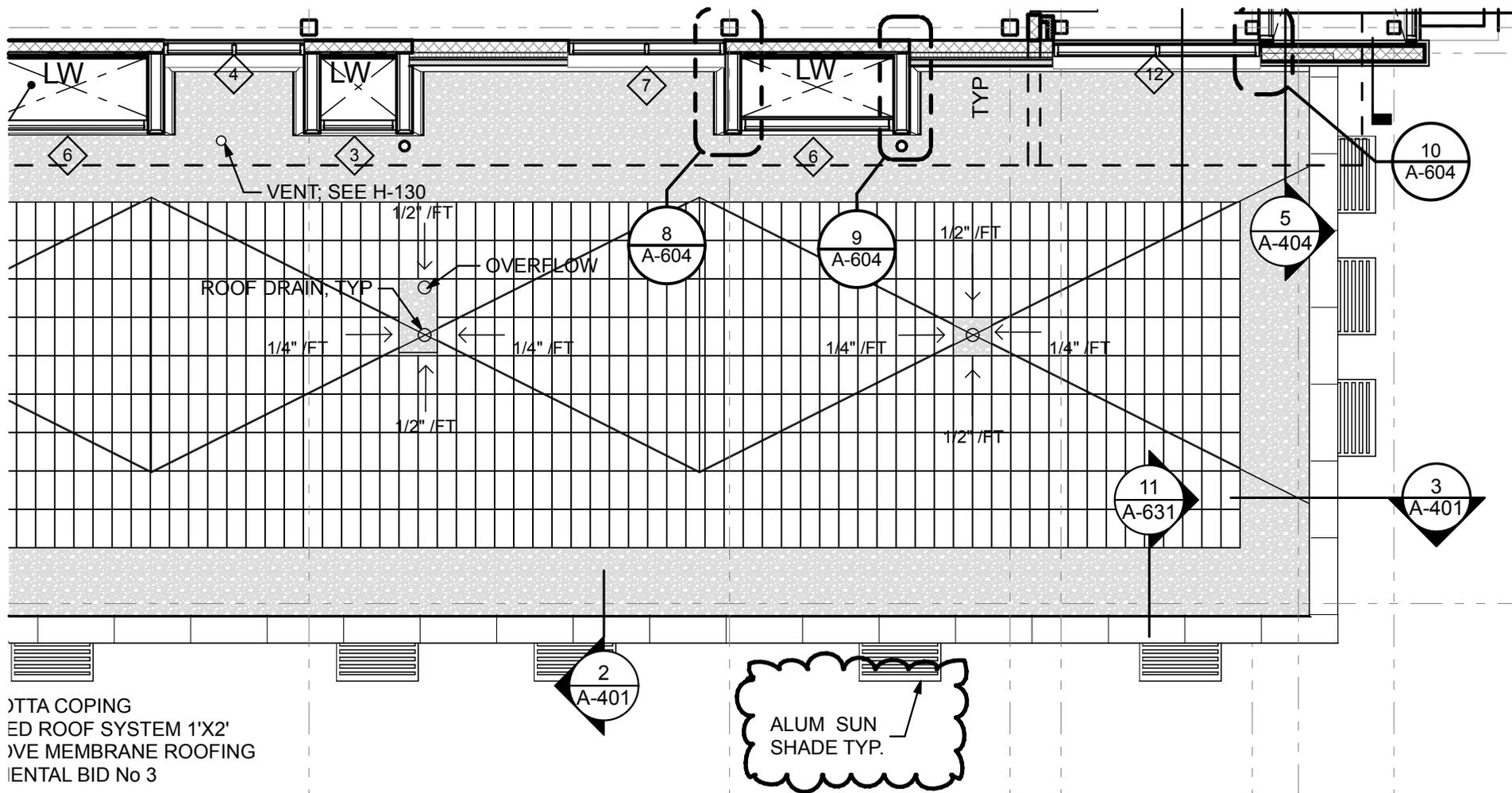
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ADA-26



OTTA COPING
 ED ROOF SYSTEM 1'X2'
 VE MEMBRANE ROOFING
 ENTAL BID No 3

ALUM SUN
 SHADE TYP.

1
 ADA-27

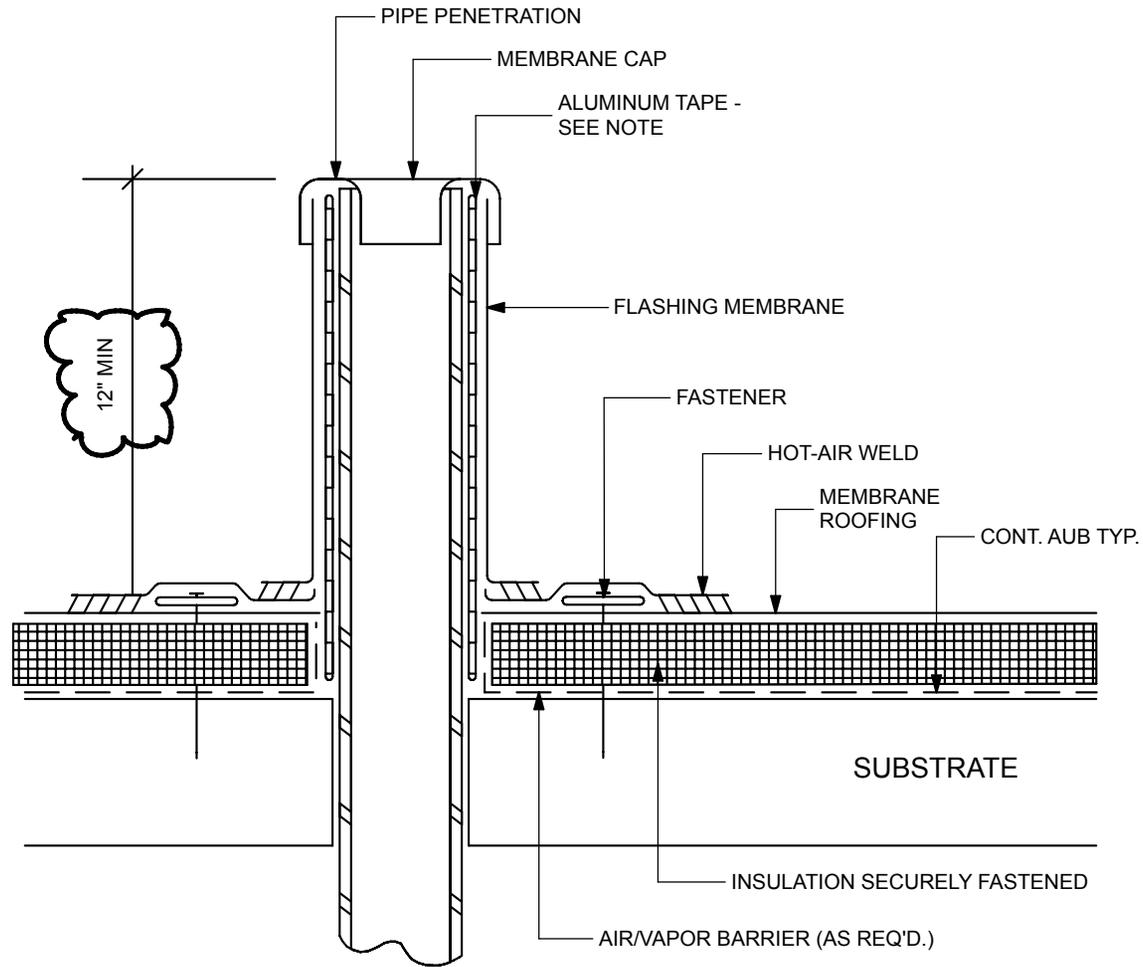
UPPER LEVEL PLAN- A-130, A-130.S, A-131, A-131.S, A133, A133.S

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

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 ADA-27



NOTES:

1. ALUMINUM TAPE IS REQUIRED IF EXISTING PENETRATION IS CONTAMINATED.
2. VAPOR BARRIER SHALL BE SEALED AT EDGES.
3. REFER TO TYPICAL UPPER ROOF DETAIL 1/A621 AND LOWER VEG. ROOF DETAIL

1
ADA-28

TYPICAL VENT STACK DETAIL

NOT TO SCALE

REVISED DETAIL 5/A-623

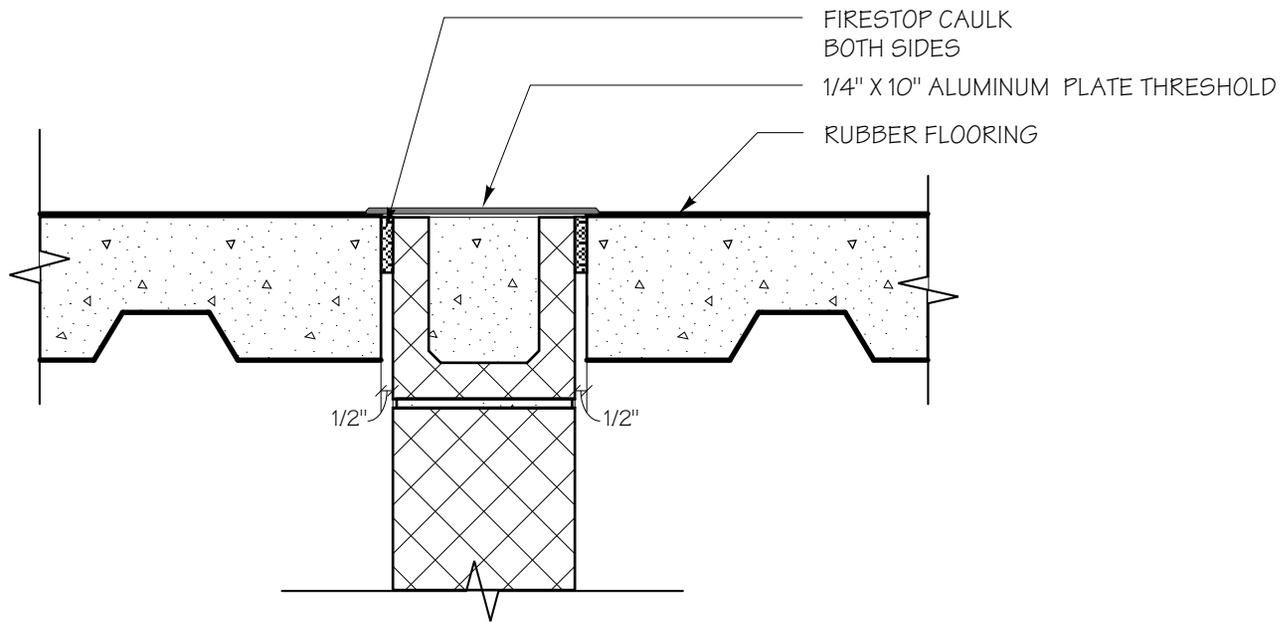
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ADA-28



A 1 UPPER LEVEL THRESHOLD @ DOOR 201A
 ADA-01 SCALE: 1 1/2" = 1'-0"

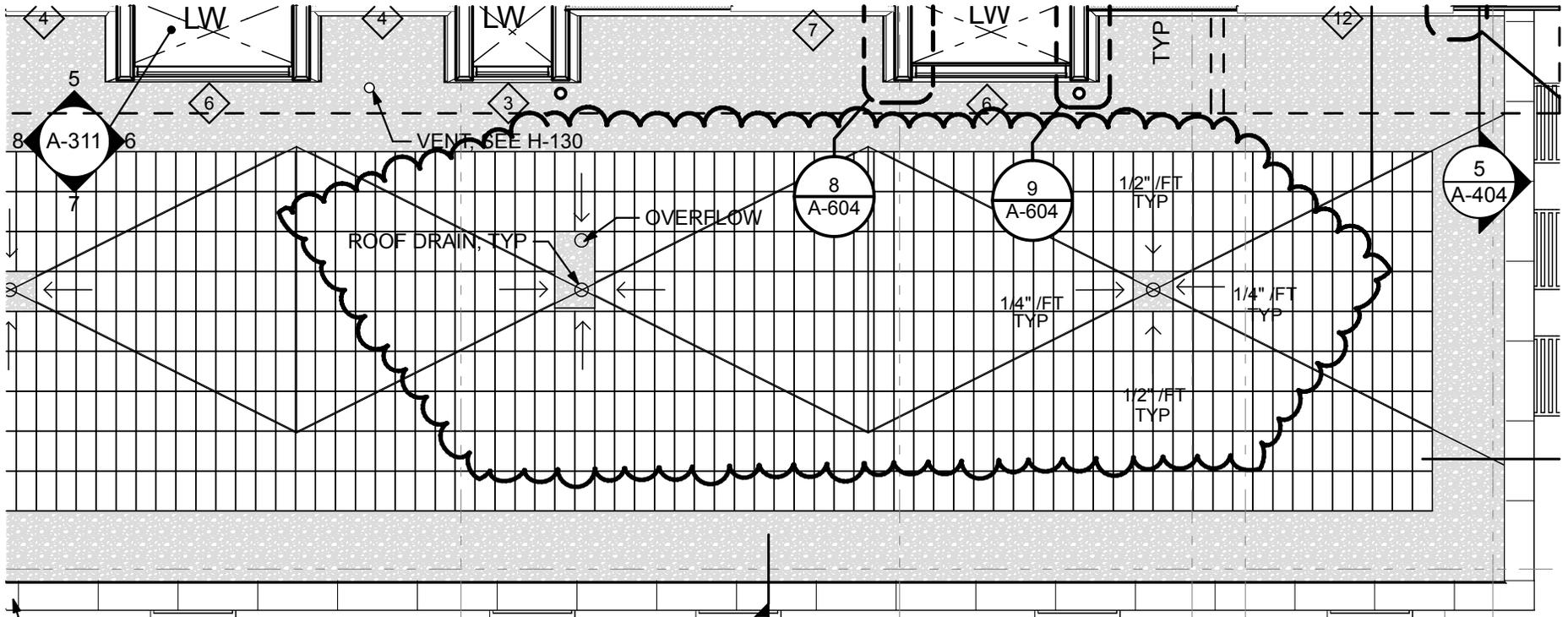
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ADA-29



UPPER LEVEL A-130, A-130.S AND A-140

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

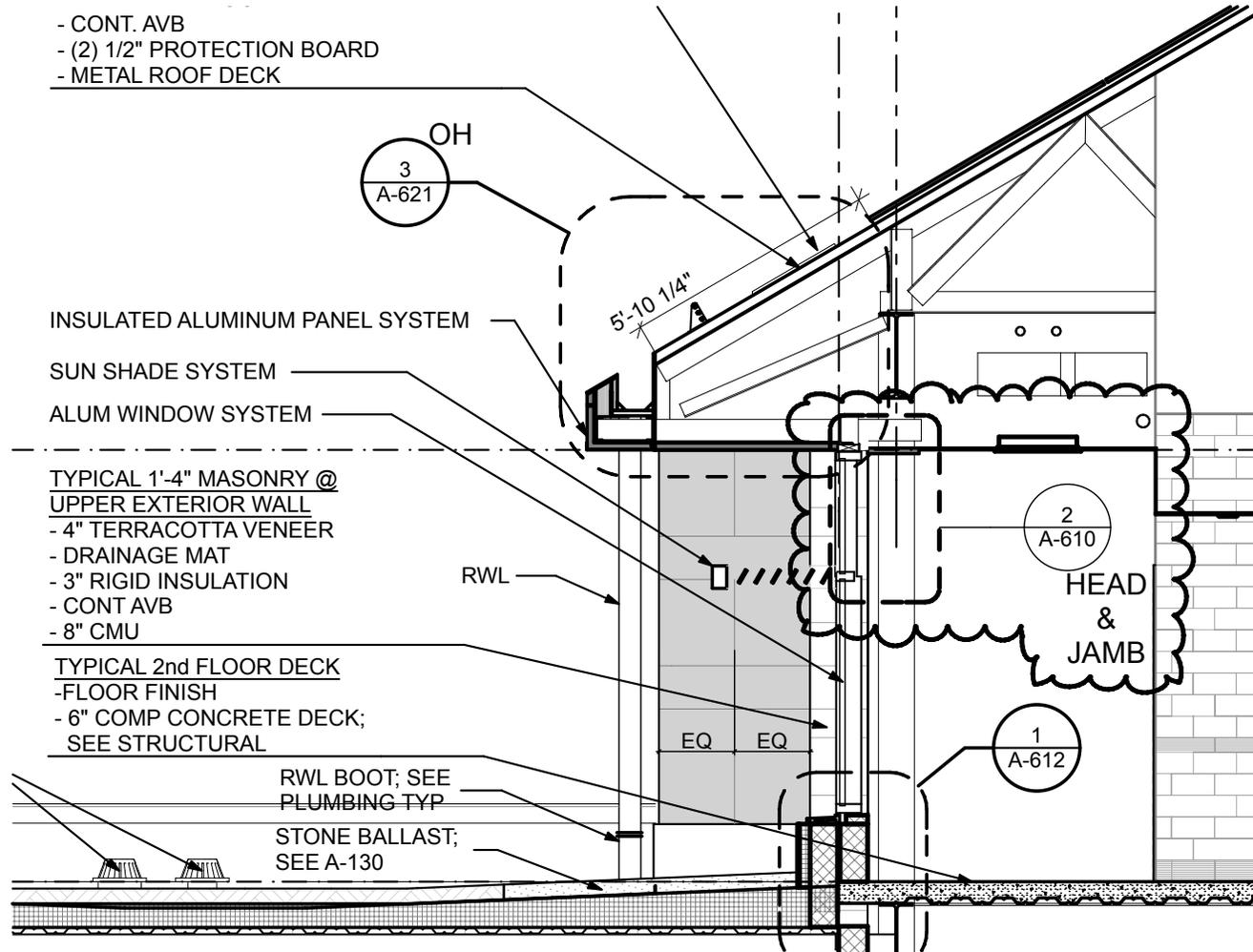
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DATE: 05/27/15

ADA-30



1
 ADA-31

PARTIAL BUILDING SECTION

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

REVISED SECTION 2/A-401

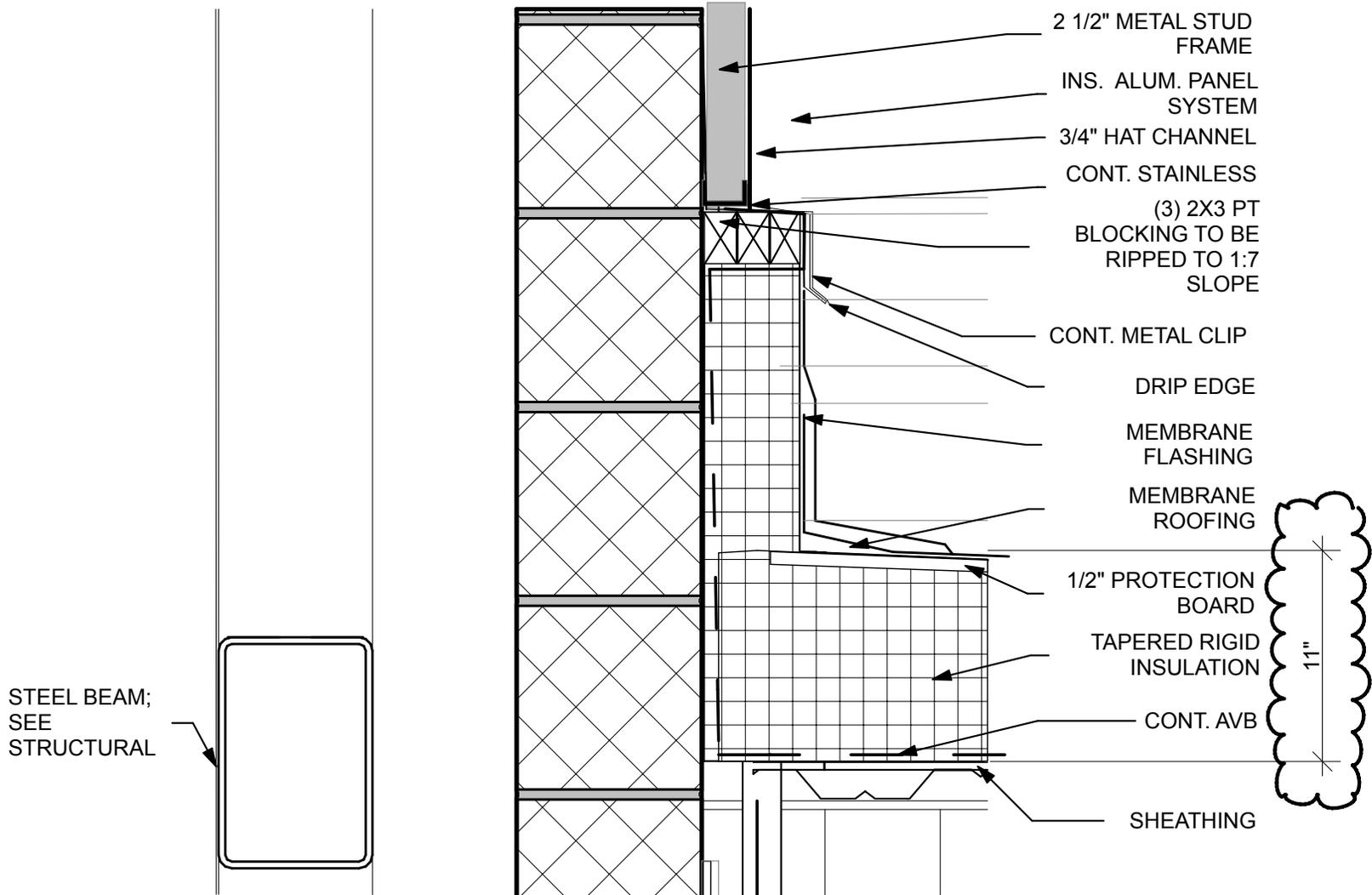
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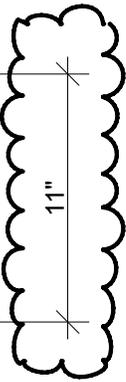
DATE: 05/27/15

ADA-31



STEEL BEAM;
SEE
STRUCTURAL

- 2 1/2" METAL STUD FRAME
- INS. ALUM. PANEL SYSTEM
- 3/4" HAT CHANNEL
- CONT. STAINLESS
- (3) 2X3 PT BLOCKING TO BE RIPPED TO 1:7 SLOPE
- CONT. METAL CLIP
- DRIP EDGE
- MEMBRANE FLASHING
- MEMBRANE ROOFING
- 1/2" PROTECTION BOARD
- TAPERED RIGID INSULATION
- CONT. AVB
- SHEATHING



I
ADA-32

SECTION DETAIL @ SOUTH WALL AT VESTIBULE

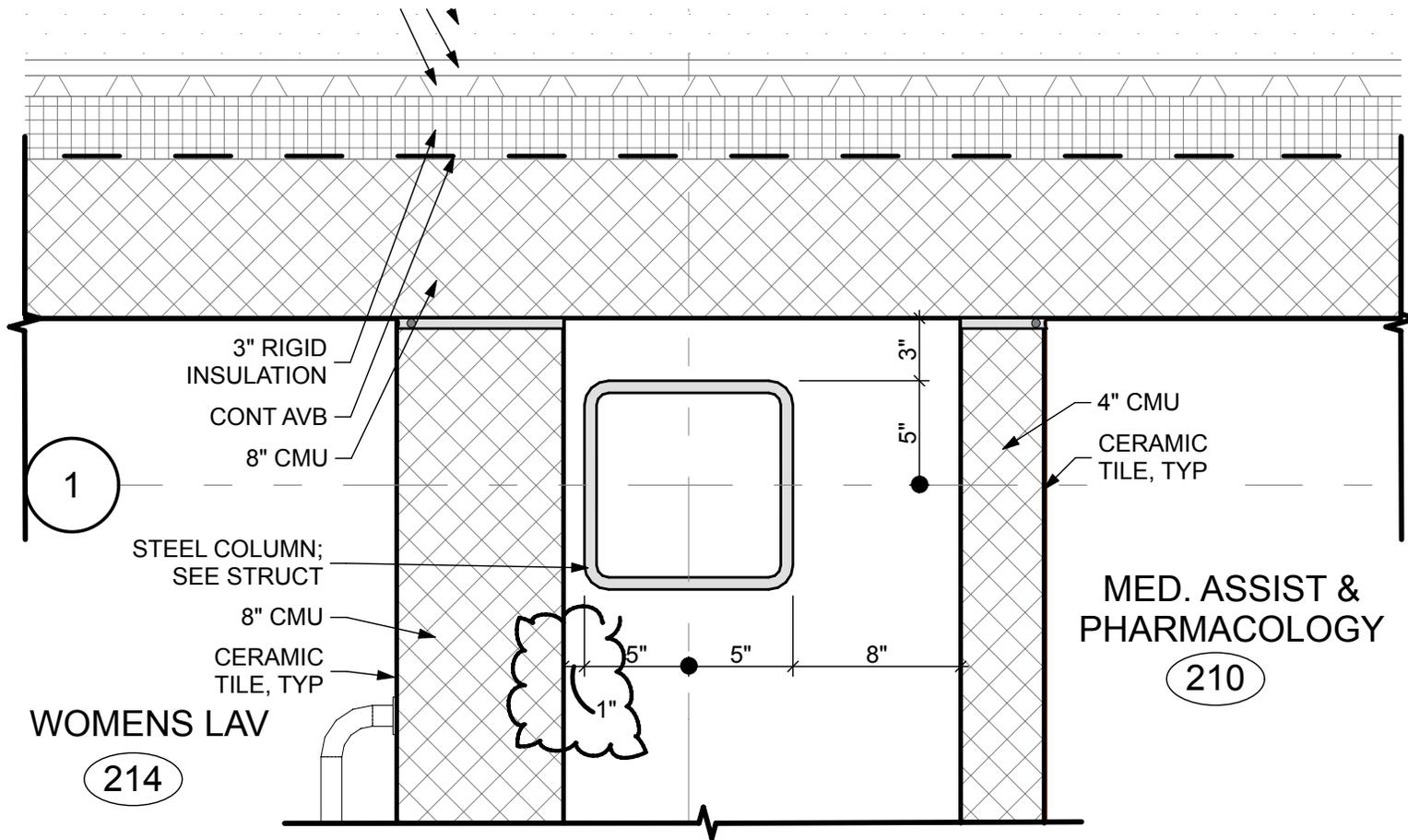
SCALE: 1 1/2" = 1'-0"

REVISED DETAIL 3/A-612

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ADA-32



1
ADA-33

DETAIL - UPPER LEVEL @ WOMENS LAV #214 - SUPP BID

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

REVISED DETAIL 2/A-604

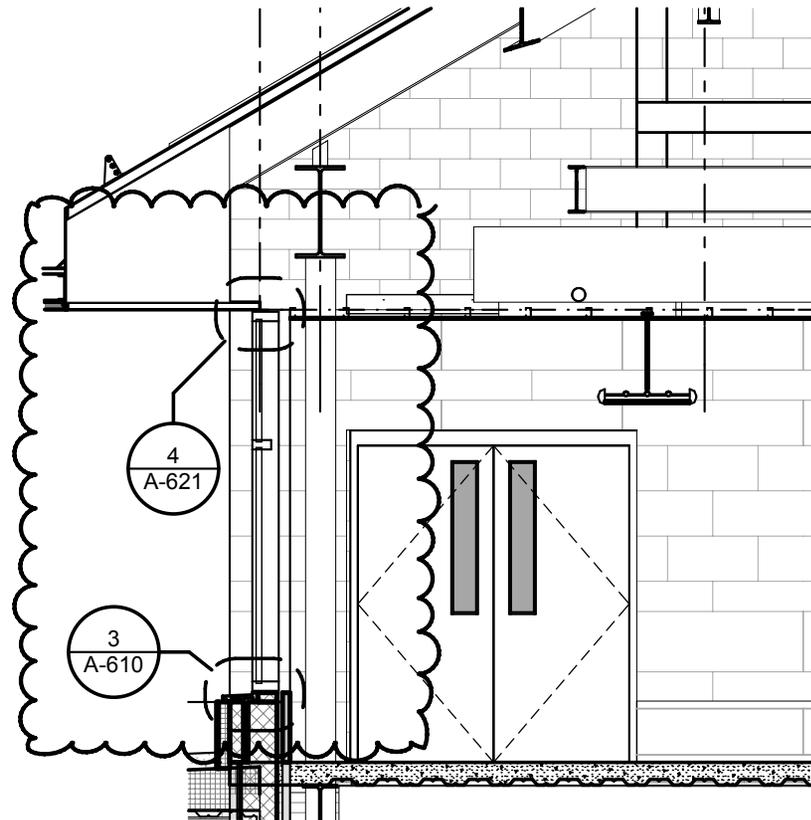
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DATE: 05/27/15

ADA-33



4
ADA-34

STAIR A SECT 2

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

REVISED SECTION 4/A-500

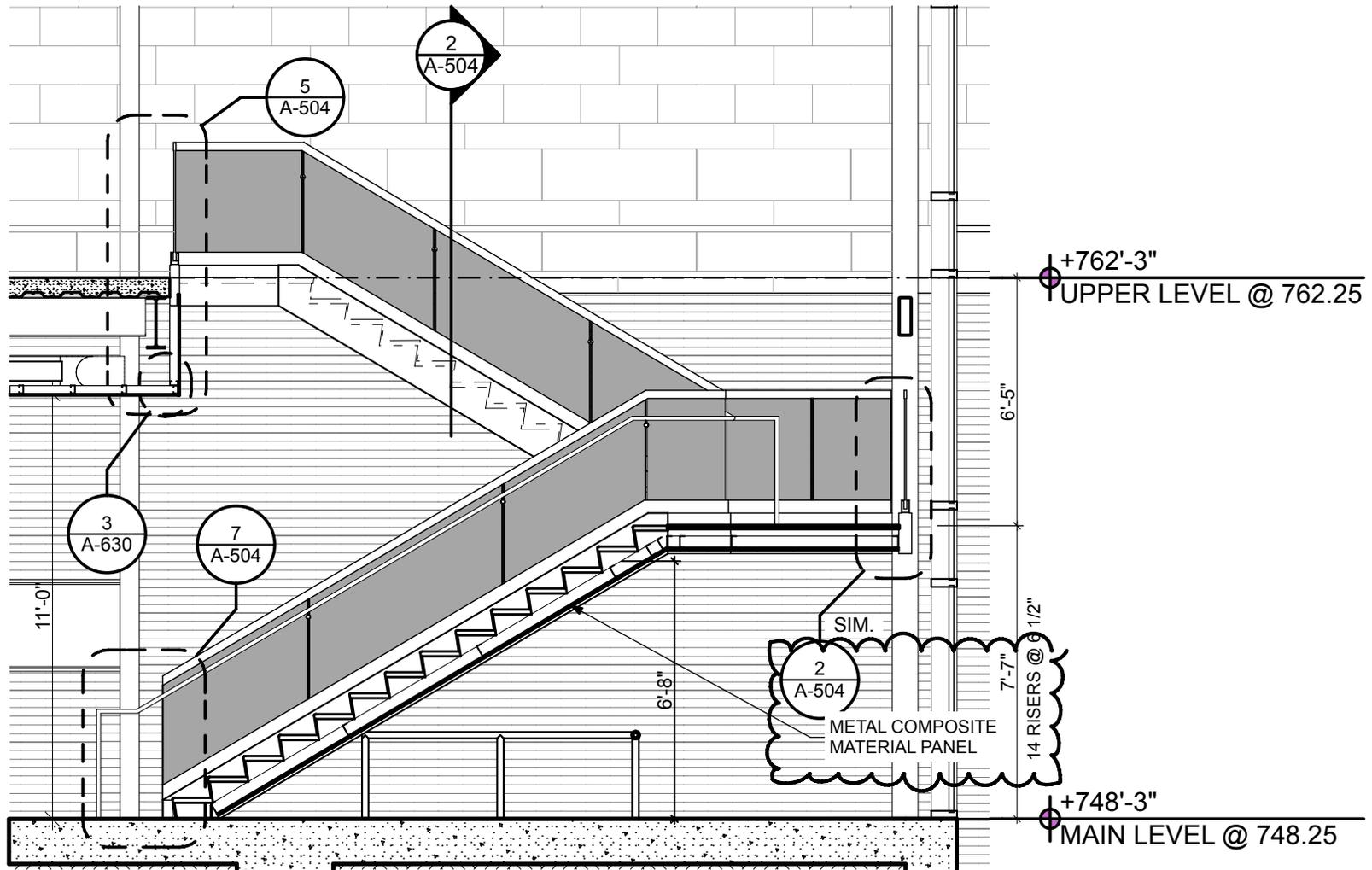
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DATE: 05/27/15

ADA-34



6
ADA-35

STAIR A SECT I

SCALE: 1/4" = 1'-0" REVISED SECTION 6/A-500

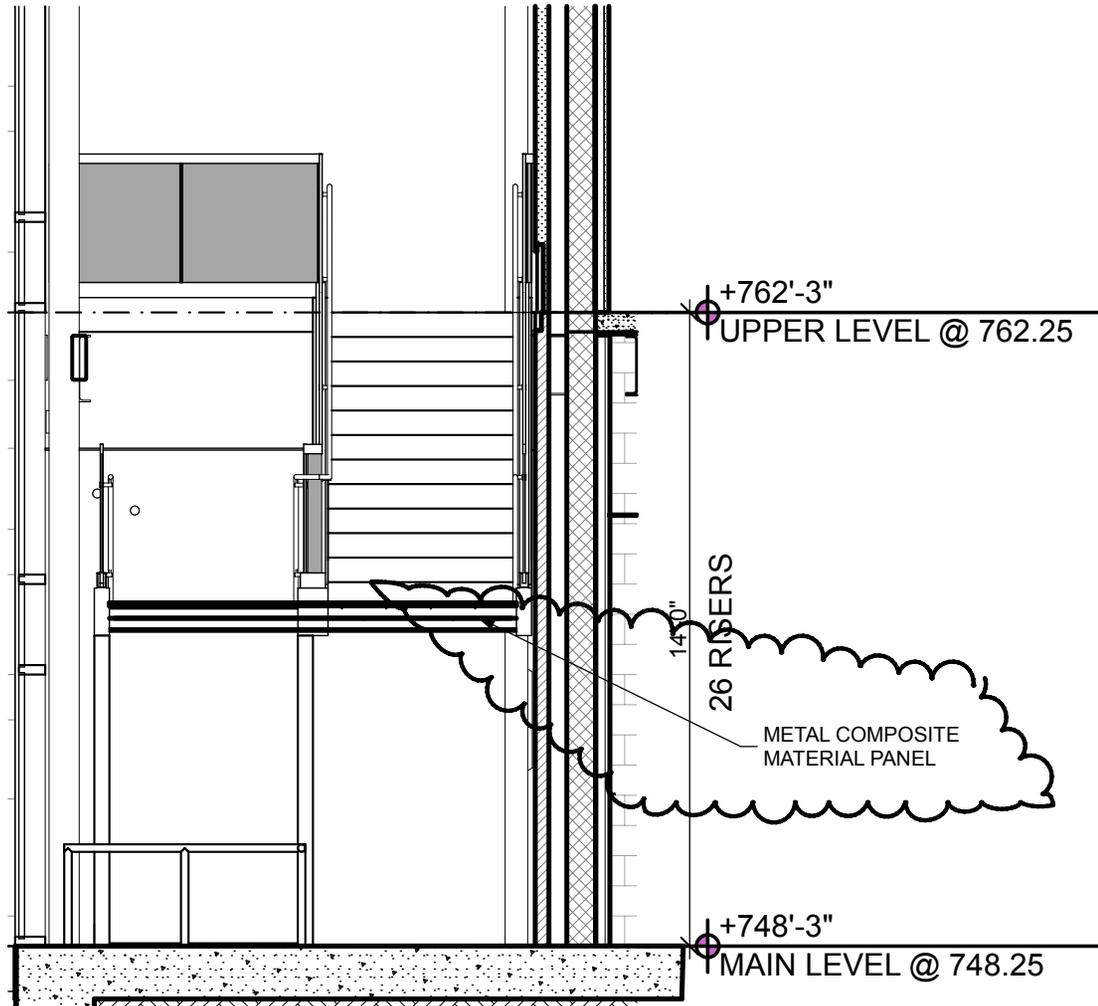
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ADA-35



5
ADA-36

STAIR A SECT 3

SCALE: 1/4" = 1'-0" REVISED SECTION 5/A-500

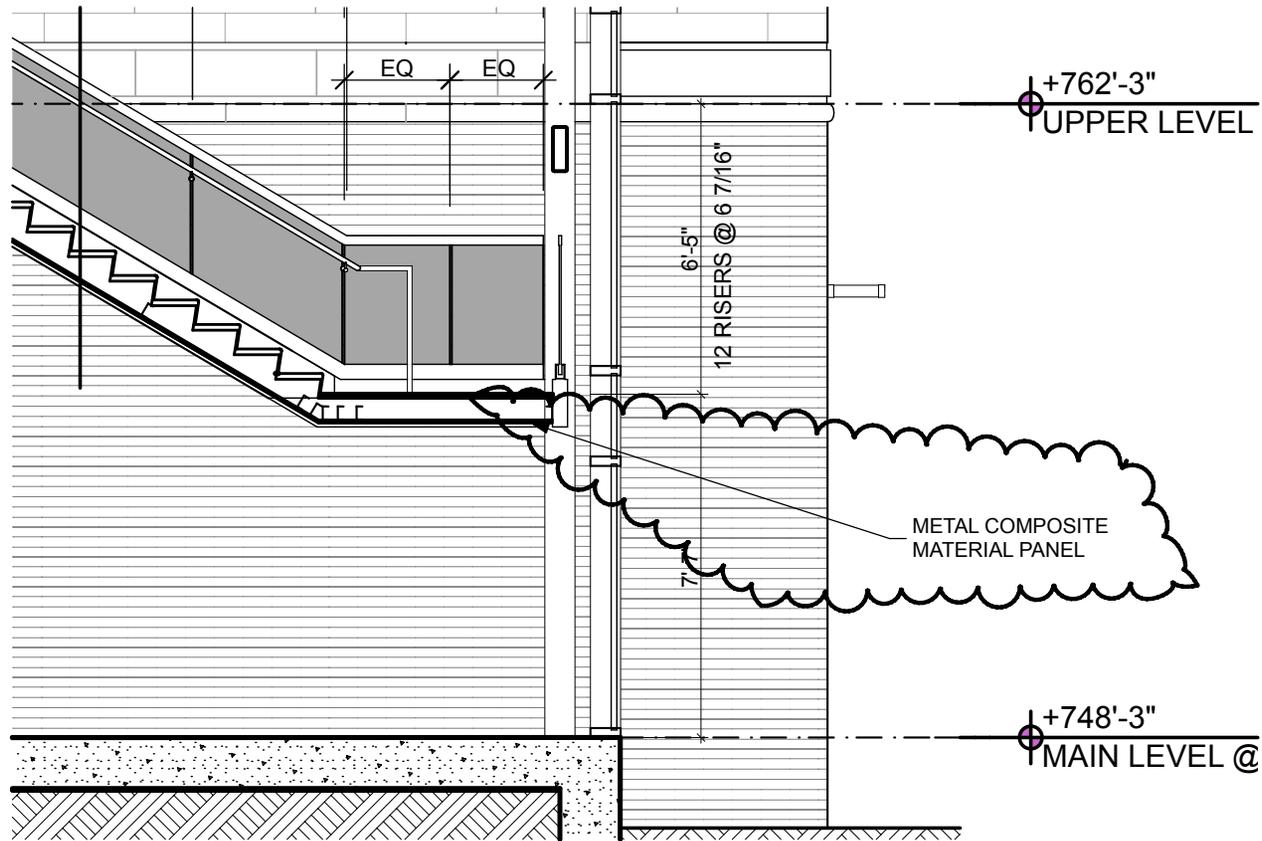
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ADA-36



4
ADA-37

STAIR A SECT 2

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

REVISED SECTION 4/A-500

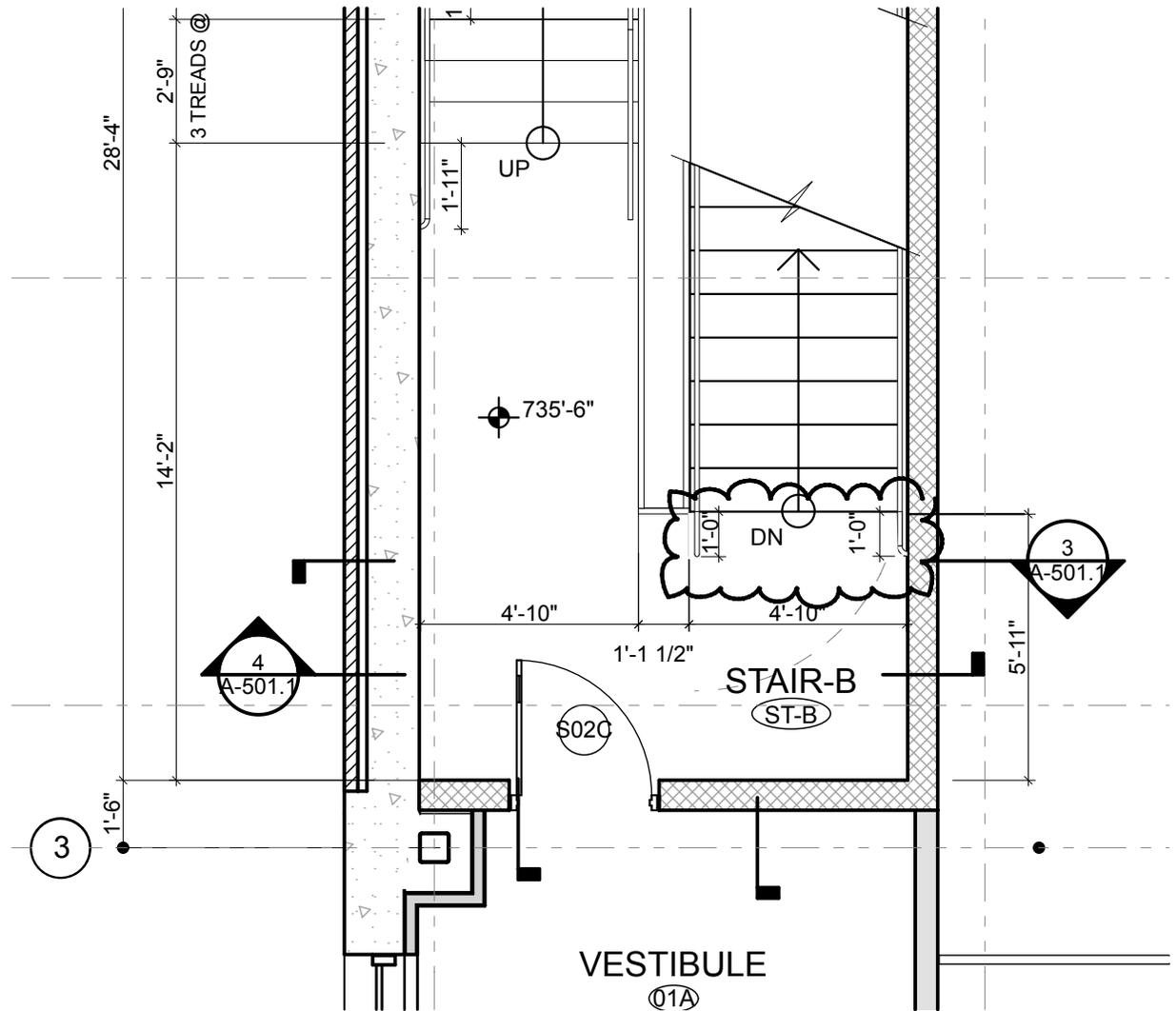
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ADA-37



1
ADA-38

STAIR B BASEMENT LEVEL

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

REVISED PLAN 3/A-501

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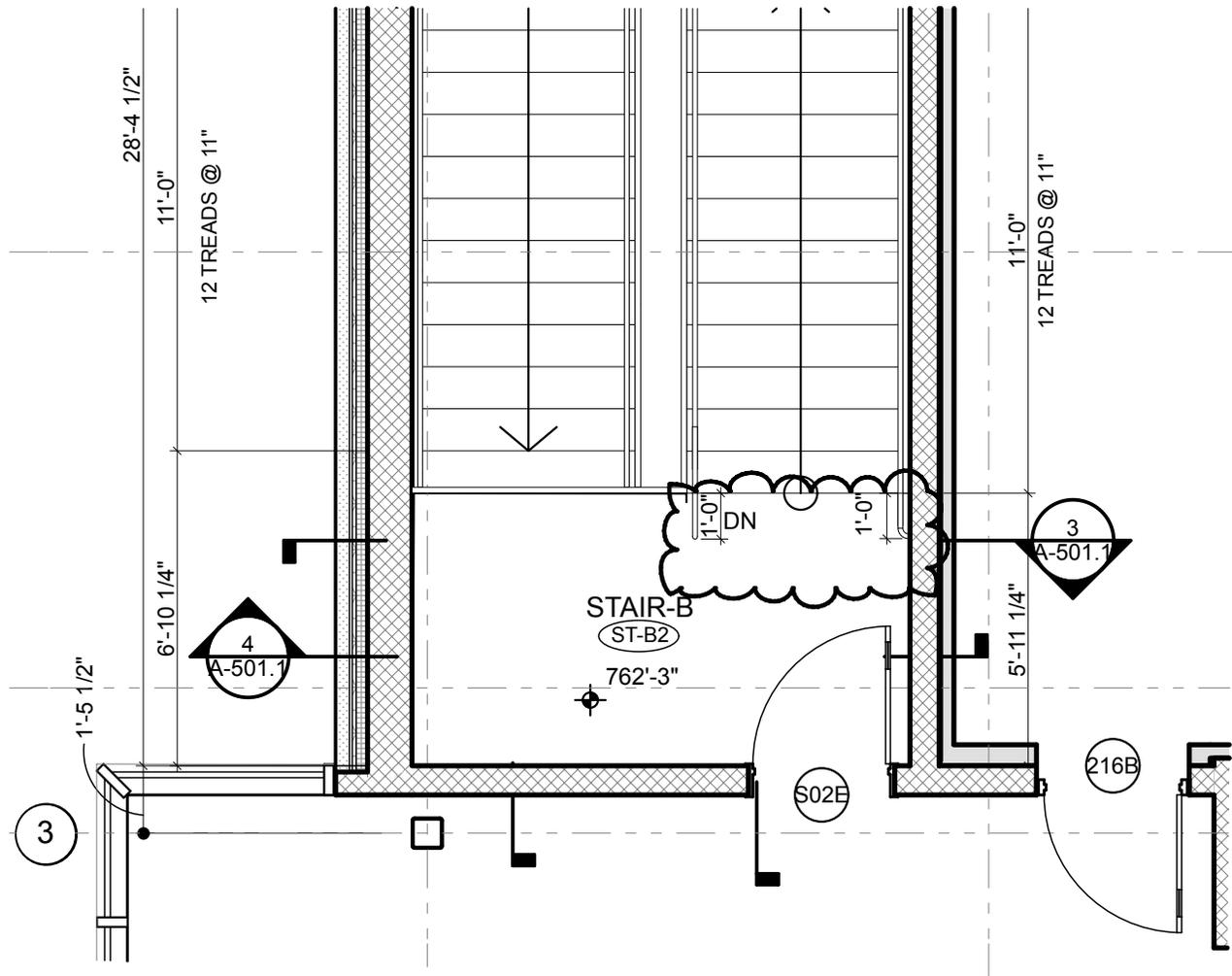
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ADA-38



2
ADA-39

STAIR B UPPER LEVEL

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

REVISED PLAN 2/A-501

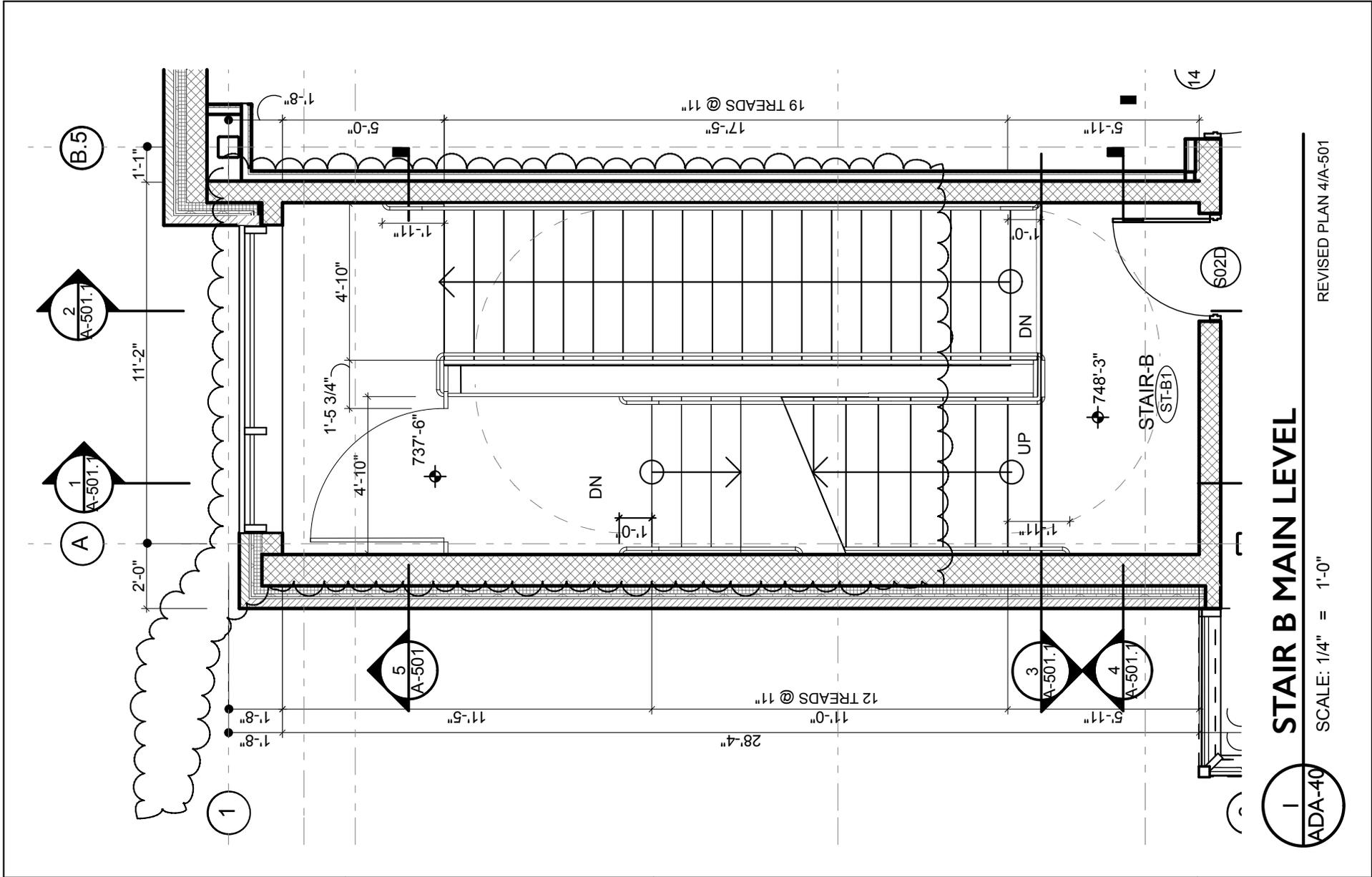
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ADA-39



STAIR B MAIN LEVEL

1
ADA-40

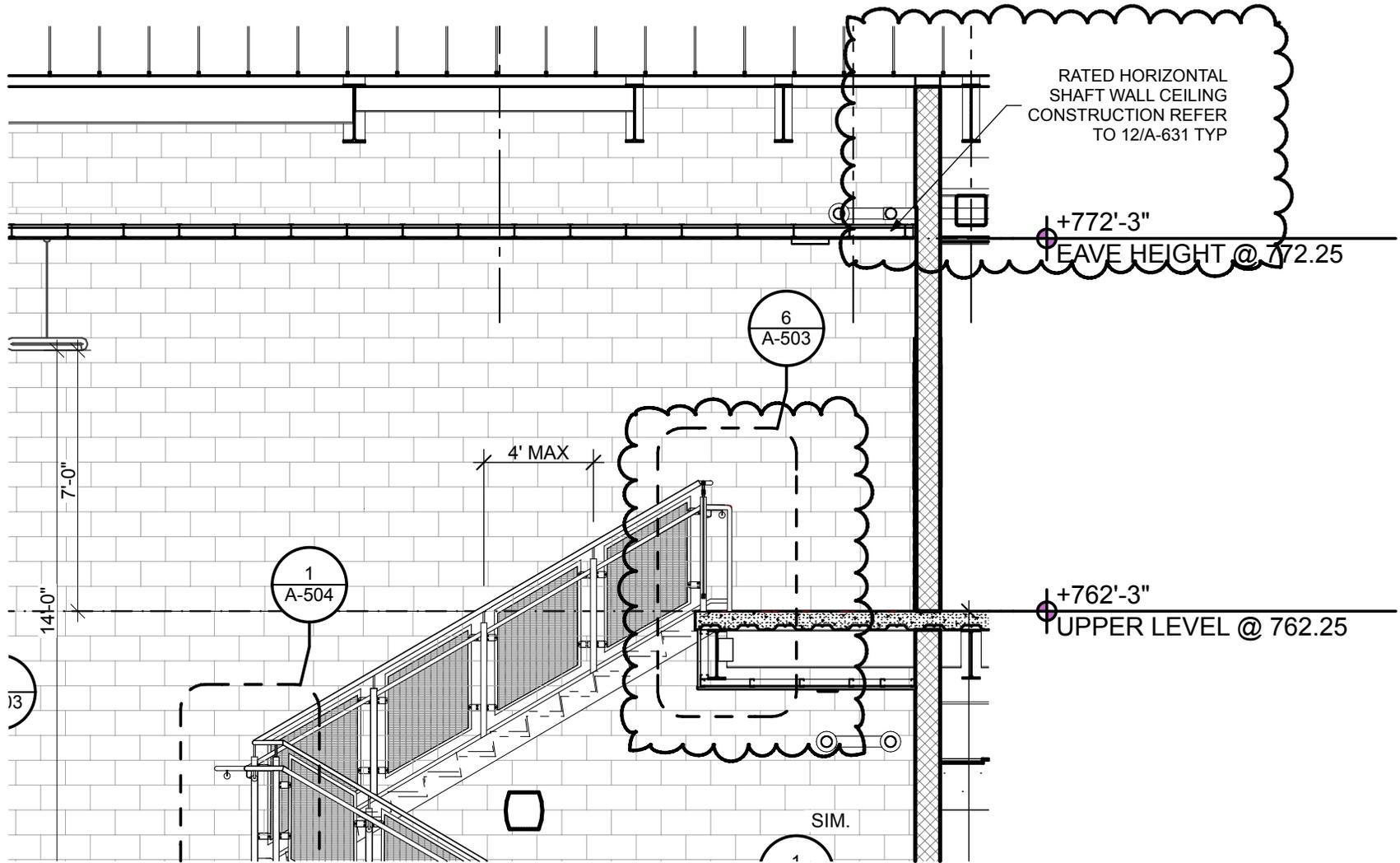
REVISED PLAN 4/A-501

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

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DATE: 05/27/15
ADA-40



1
ADA-41

STAIR B SECTION

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

REVISED SECTION 1/A-501.1

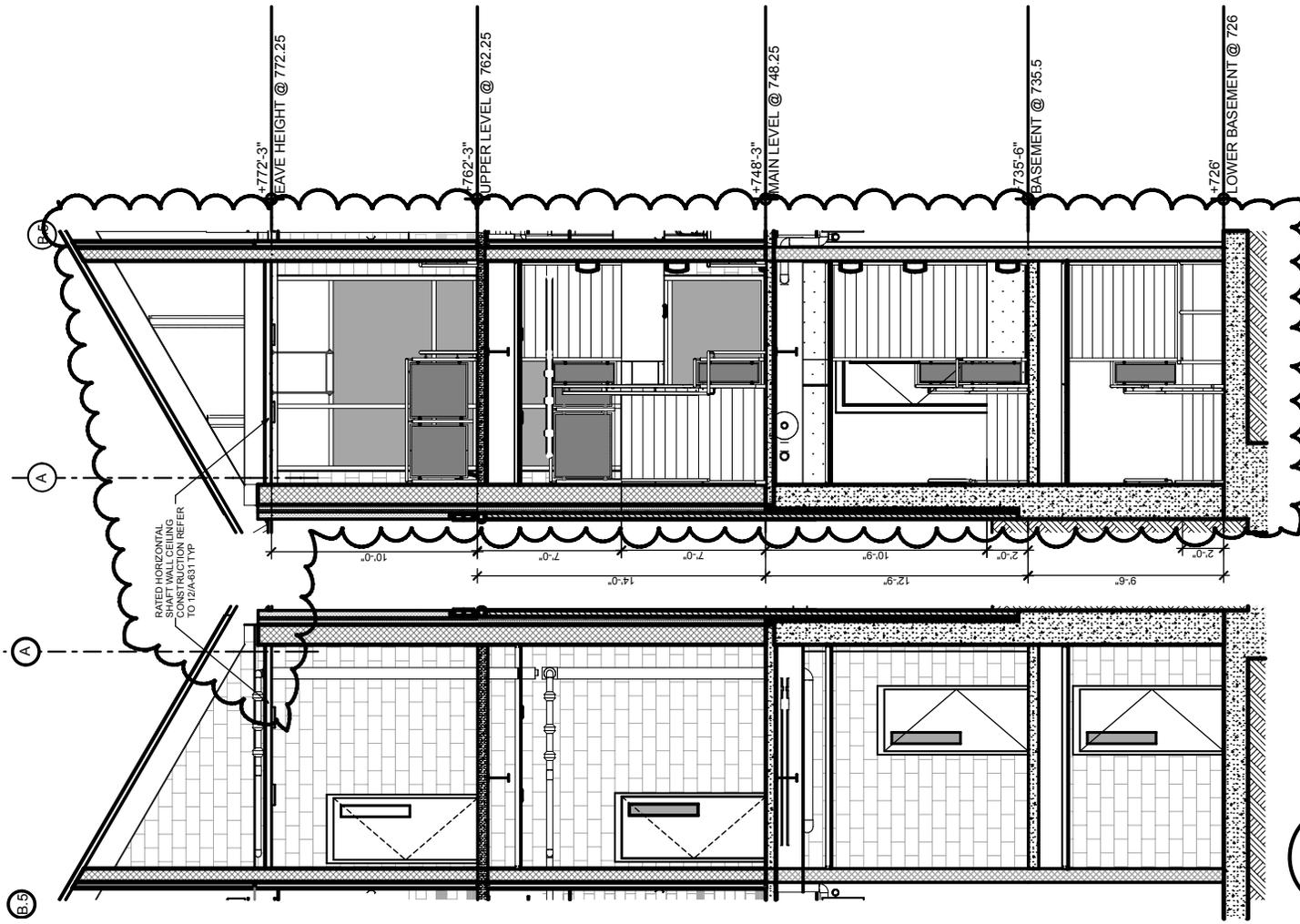
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DATE: 05/27/15

ADA-41



1 STAIR B SECT / **2 STAIR B SECT**

NOT TO SCALE
REVISED SECTION 3/A-501.1

1
ADA-42

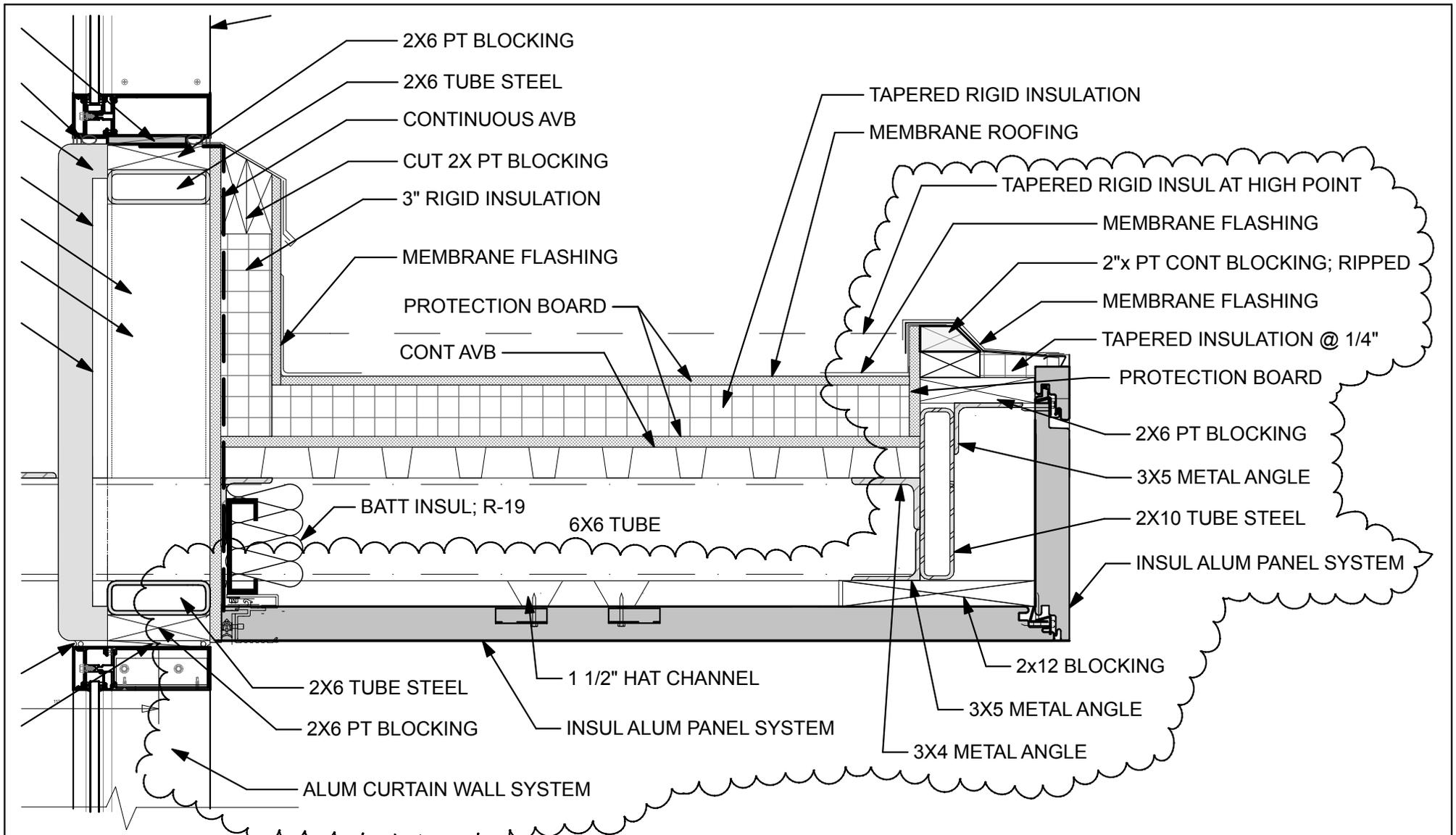
2
ADA-42

NOT TO SCALE
REVISED SECTION 4/A-501.1

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08290
DATE: 05/27/15
ADA-42



2
ADA-44
ROOF DETAIL @ ENTRY CANOPY - END

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

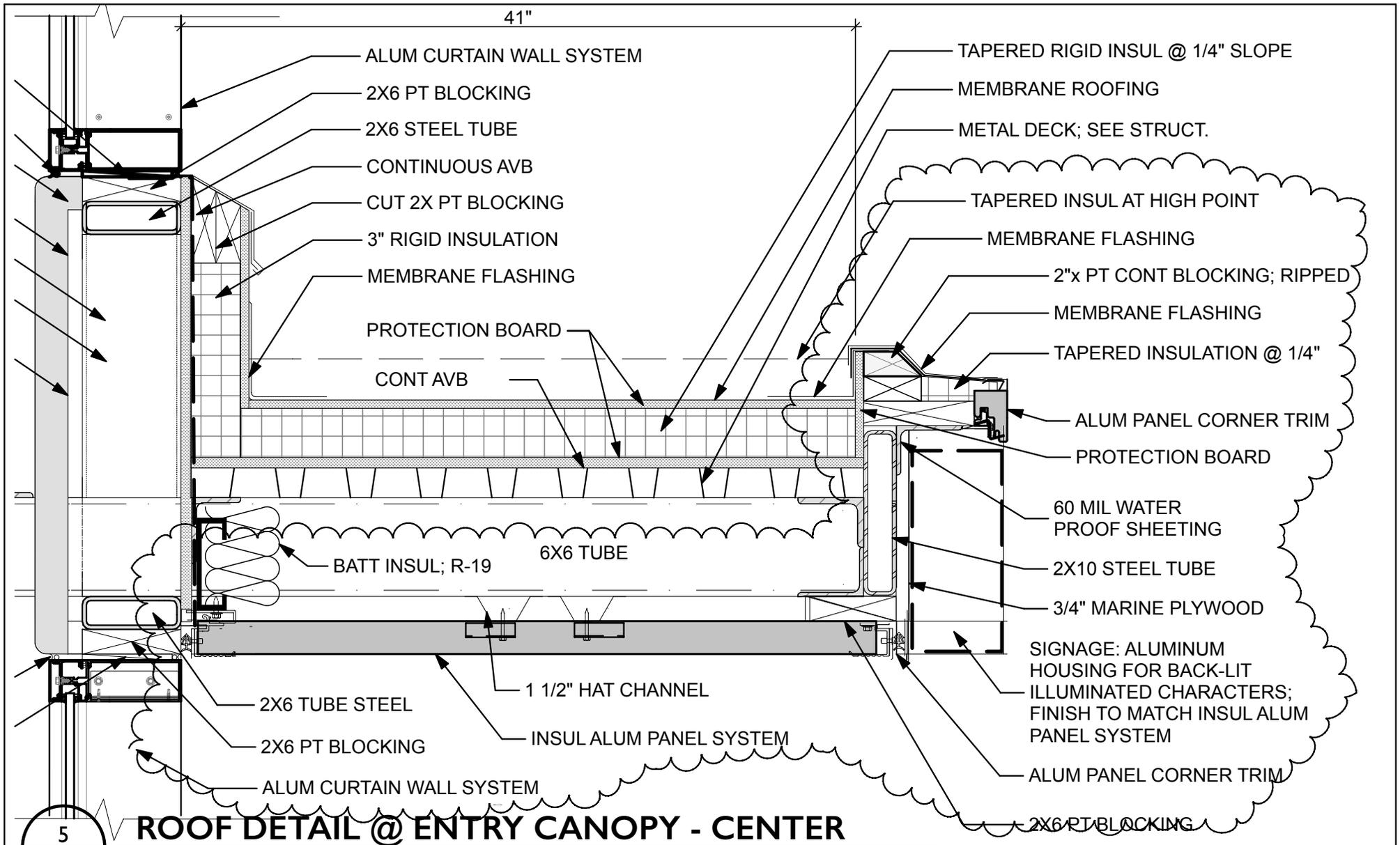
REVISED SECTION 2/A-622

NOTE: SEE 5/A-622 FOR TYP DIMENSIONS

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 ADA-44



5 **ROOF DETAIL @ ENTRY CANOPY - CENTER**

5
ADA-45

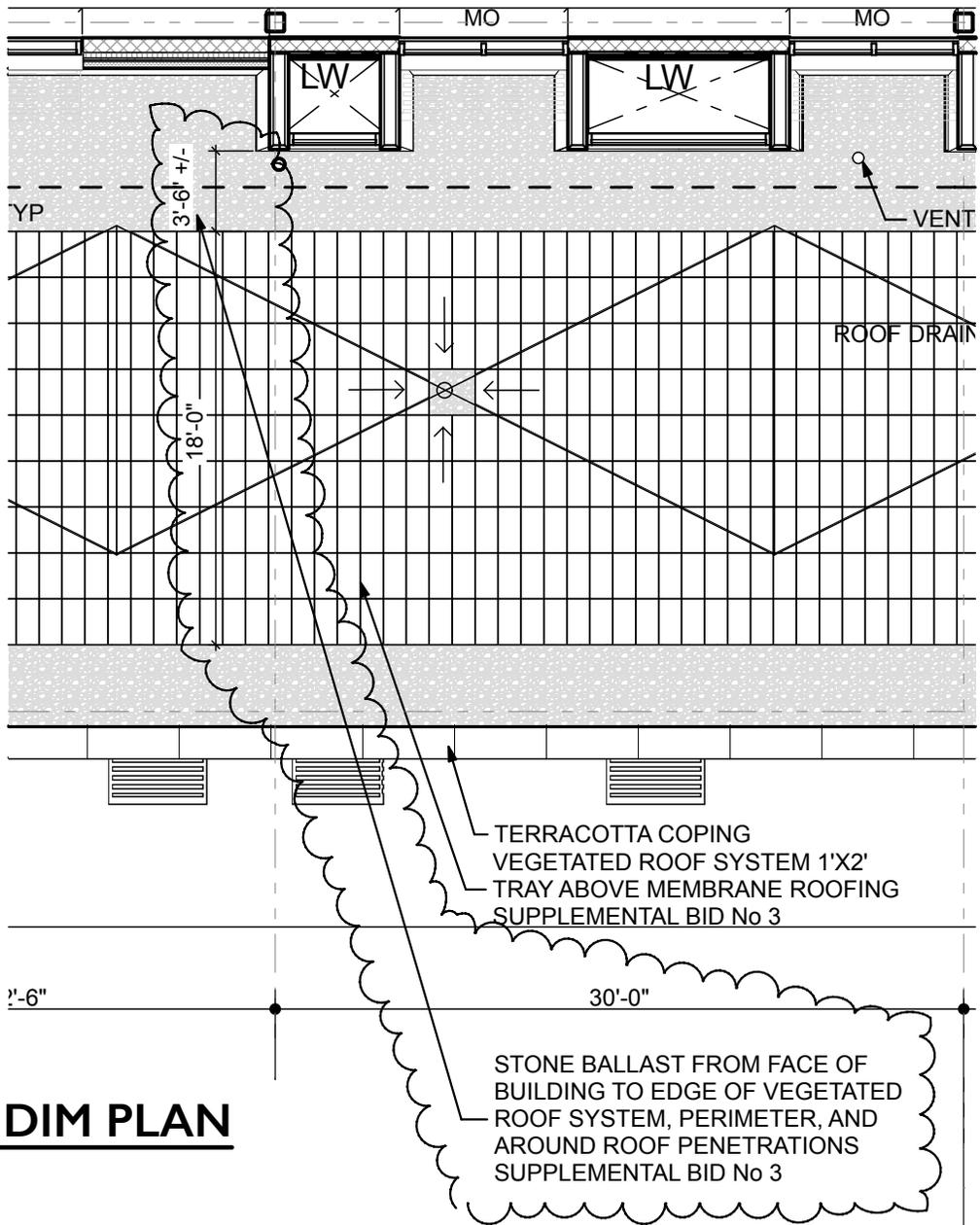
SCALE: 1 1/2" = 1'-0"

REVISED SECTION 5/A-622

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DATE: 05/27/15
ADA-45



1
ADA-46

UPPER LEVEL DIM PLAN

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

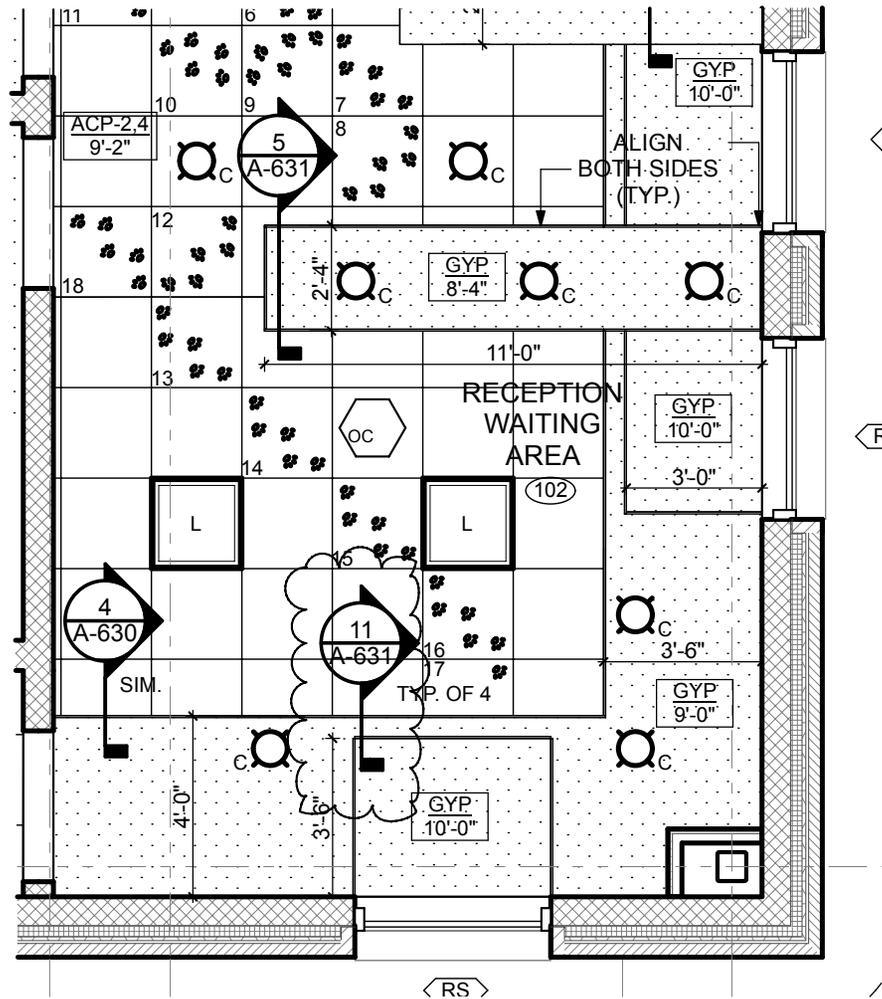
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DATE: 05/27/15

ADA-46



2
ADA-47

ENLARGED CEILING PATTERN

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

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ADA-47

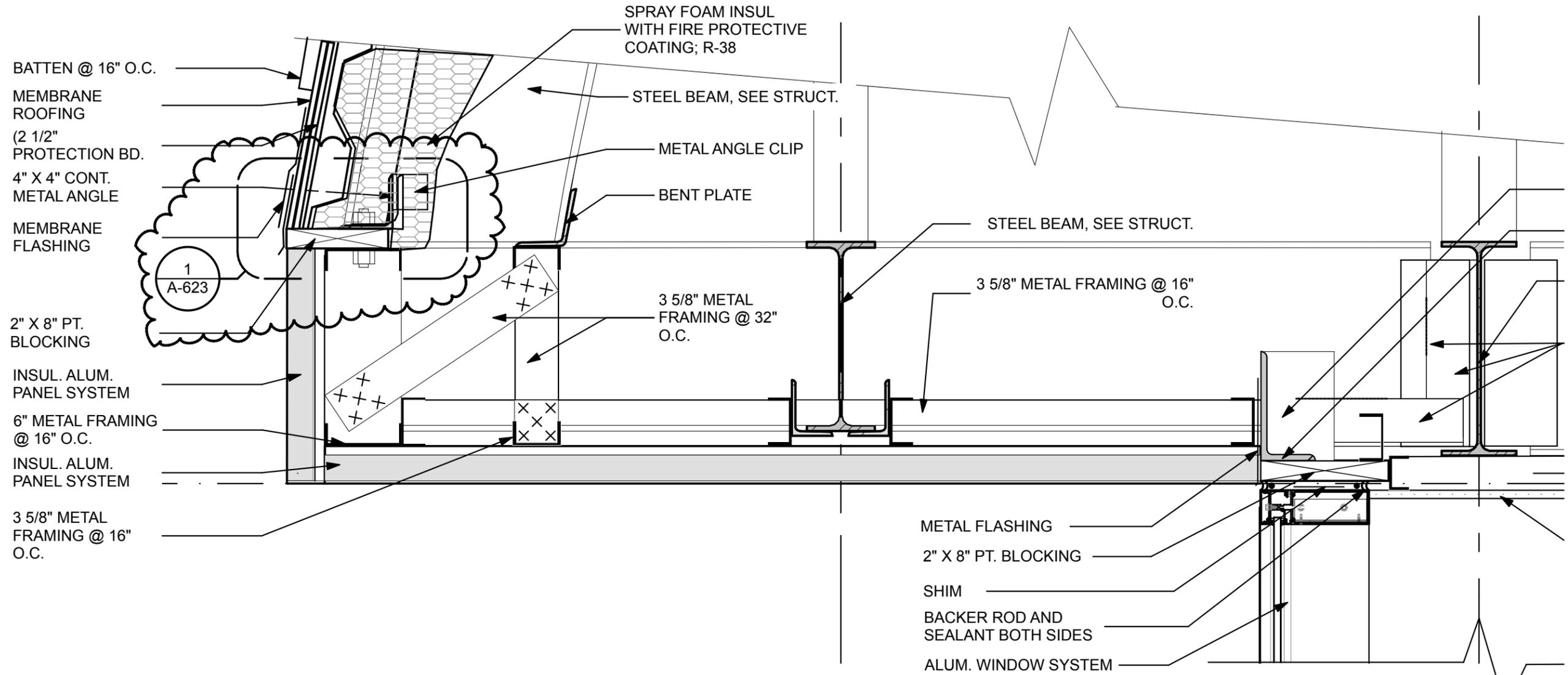
FINISH SCHEDULE

ROOM	ROOM NAME	FLOOR				BASE				WA	
		SUBSTRATE	FINISH MATERIAL	SUBSTRATE	FINISH MATERIAL	NORTH		EAST		SUBSTRATE	FINISH MATERIAL
						SUBSTRATE	FINISH MATERIAL	SUBSTRATE	FINISH MATERIAL		
211	LAV	CONC	2 X 2 CERAMIC TILE (CT-F1, 2, 4)	GYP/CMU	CERAMIC TILE(CT-W17)	GYP	CERAMIC TILE	GYP	CERAMIC TILE		
212	STORAGE	CONC	RESINOUS COATING - COLOR 3	GYP	RESINOUS COATING	GYP	PT-I	GYP	PT-I		
213	JAN CL	CONC	PTD CONC	GYP/CMU	RUBBER	GYP	HPC-I	GYP	HPC-I		
214	MENS LAV	CONC	2 X 2 CERAMIC TILE (CT-F1, 2, 4)	GYP/CMU	CERAMIC TILE(CT-W17)	CMU	CERAMIC TILE	CMU	CERAMIC TILE		
214B	WOMENS LAV	CONC	2 X 2 CERAMIC TILE (CT-F1, 2, 4)	GYP/CMU	CERAMIC TILE(CT-W17)	CMU	CERAMIC TILE	CMU	CERAMIC TILE		
215	LAB: CNA & EMS	CONC	RESINOUS COATING - COLOR 3	GYP/CMU	CERAMIC TILE	CMU	CERAMIC TILE/ PT-I	GYP	CERAMIC TILE / PT-I		
215A	EMS STORAGE	CONC	RESINOUS COATING - COLOR 3	GYP/CMU	RESINOUS COATING	GYP	PT-I	GYP	PT-I		
215B	STORAGE & LAUNDRY	CONC	RESINOUS COATING - COLOR 3	GYP	RESINOUS COATING	GYP	CERAMIC TILE/ PT-I	GYP/CMU	PT-I		
215C	ADA LAV	CONC	2 X 2 CERAMIC TILE (CT-F1, 2, 4)	GYP/CMU	CERAMIC TILE(CT-W17)	CMU	CERAMIC TILE	GYP	CERAMIC TILE		
216	COMPUTER CLASSROOM	CONC	RUBBER TILE - COLOR 2 & 3	GYP/CMU	CERAMIC TILE	CMU	CERAMIC TILE/ PT-6	GYP	CERAMIC TILE / PT-2		
217	CLOSET		RUBBER TILE - COLOR 1	GYP/CMU	RUBBER	GYP	PT-I	GYP	PT-I		

LLS				CEILING		REMARKS	ROOM #
SOUTH		WEST					
SUBSTRATE	FINISH MATERIAL	SUBSTRATE	FINISH MATERIAL	FINISH MATERIAL			
GYP	CERAMIC TILE	CMU	CERAMIC TILE	ACP -I		SEE 4/A-312 FOR TILE PATTERN (CT-W19, 20, 22)	211
GYP	PT-I	GYP	PT-I	ACP-I			212
GYP	HPC-I	CMU	HPC-I	PTC-I			213
CMU	CERAMIC TILE	CMU	CERAMIC TILE	PTC-I		SEE 4/A-312 FOR TILE PATTERN (CT-W19, 20, 22)	214
CMU	CERAMIC TILE	CMU	CERAMIC TILE	PTC-I		SEE 4/A-312 FOR TILE PATTERN (CT-W19, 20, 22)	214B
GYP	CERAMIC TILE / PT-I	GYP	CERAMIC TILE / PT-I	ACP -I		SEE 6/A-312 (CT-W21) AND 3/A-312 FOR TILE PATTERN	215
GYP	PT-I	GYP	PT-I	ACP -I		PAINT WALL BEFORE INSTALLING PAINTED PEG BD- NORTH WALL ONLY	215A
GYP	PT-I	GYP	PT-I	ACP -I		SEE 6/A-312 (CT-W21) FOR TILE PATTERN	215B
GYP	CERAMIC TILE	GYP	CERAMIC TILE	PTC-I		SEE 4/A-312 FOR TILE PATTERN (CT-W19, 20, 22)	215C
GYP	CERAMIC TILE / PT-6	GYP	CERAMIC TILE / PT-2	ACP -I		SEE 3/A-312 FOR TILE PATTERN	216
GYP	PT-I	CMU	PT-I	PTC-I			217

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 ADA-48
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1
ADA-49

ROOF DETAIL @ NORTH SOFFIT-STAIR "A"

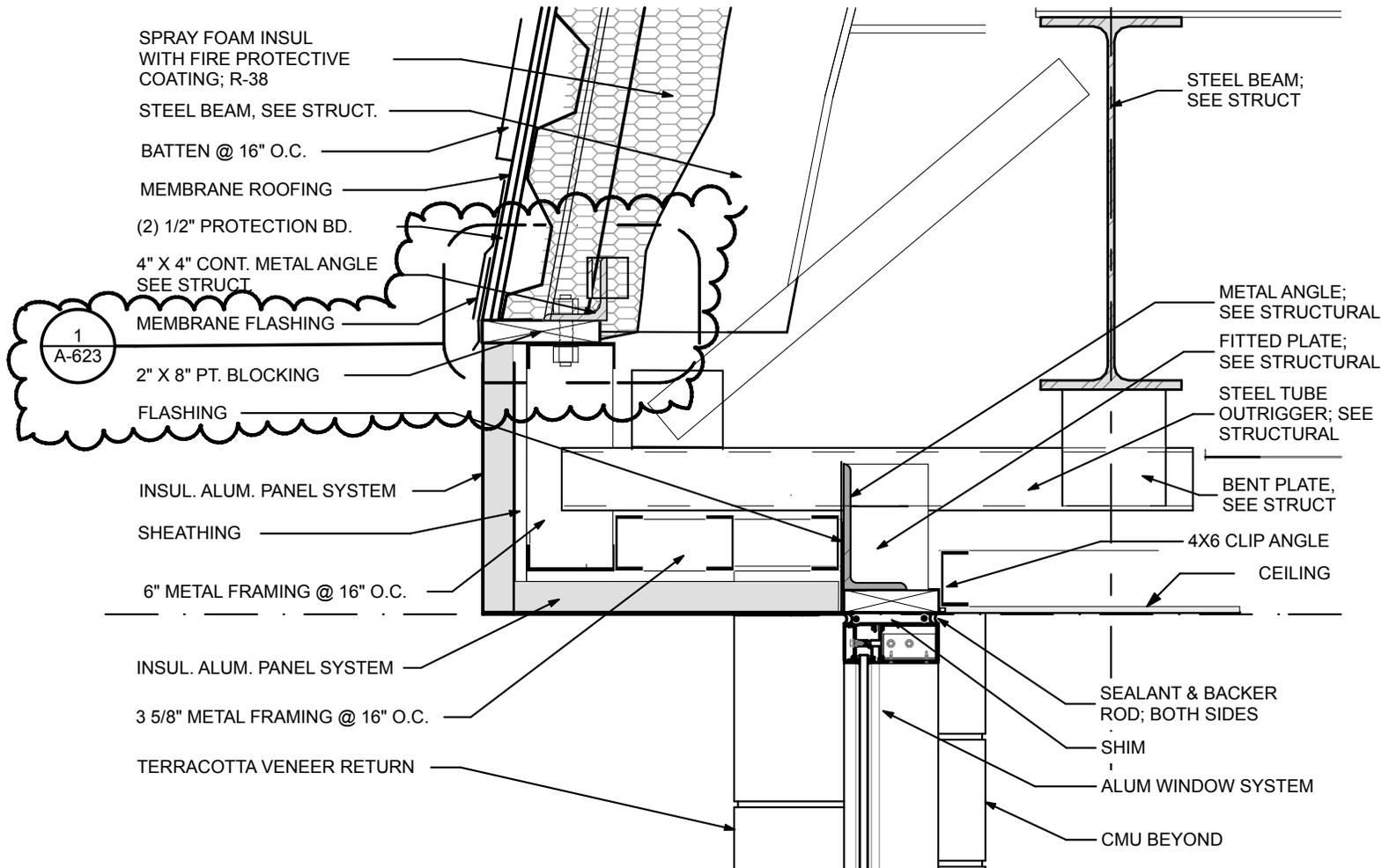
SCALE: 1 1/2" = 1'-0"

REVISED DETAIL 1/A-620

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ADA-49

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1
ADA-50

TYP ROOF DETAIL @ NORTH SOFFIT - WINDOW

NOT TO SCALE

REVISED DETAIL 3/A-620

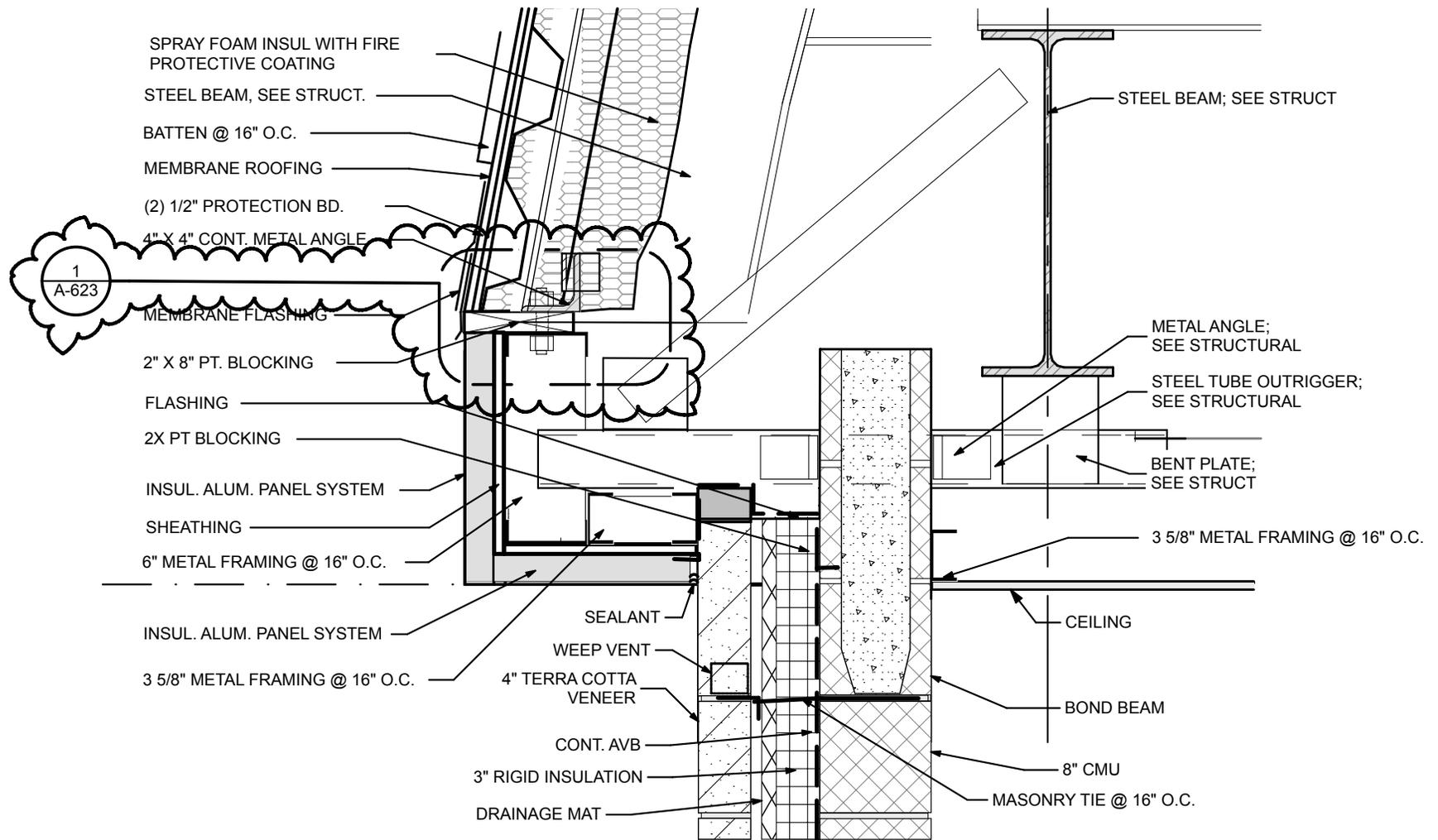
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ADA-50



1
ADA-51

TYP ROOF DETAIL @ NORTH SOFFIT - TOP OF WALL

NOT TO SCALE

REVISED DETAIL 4/A-620

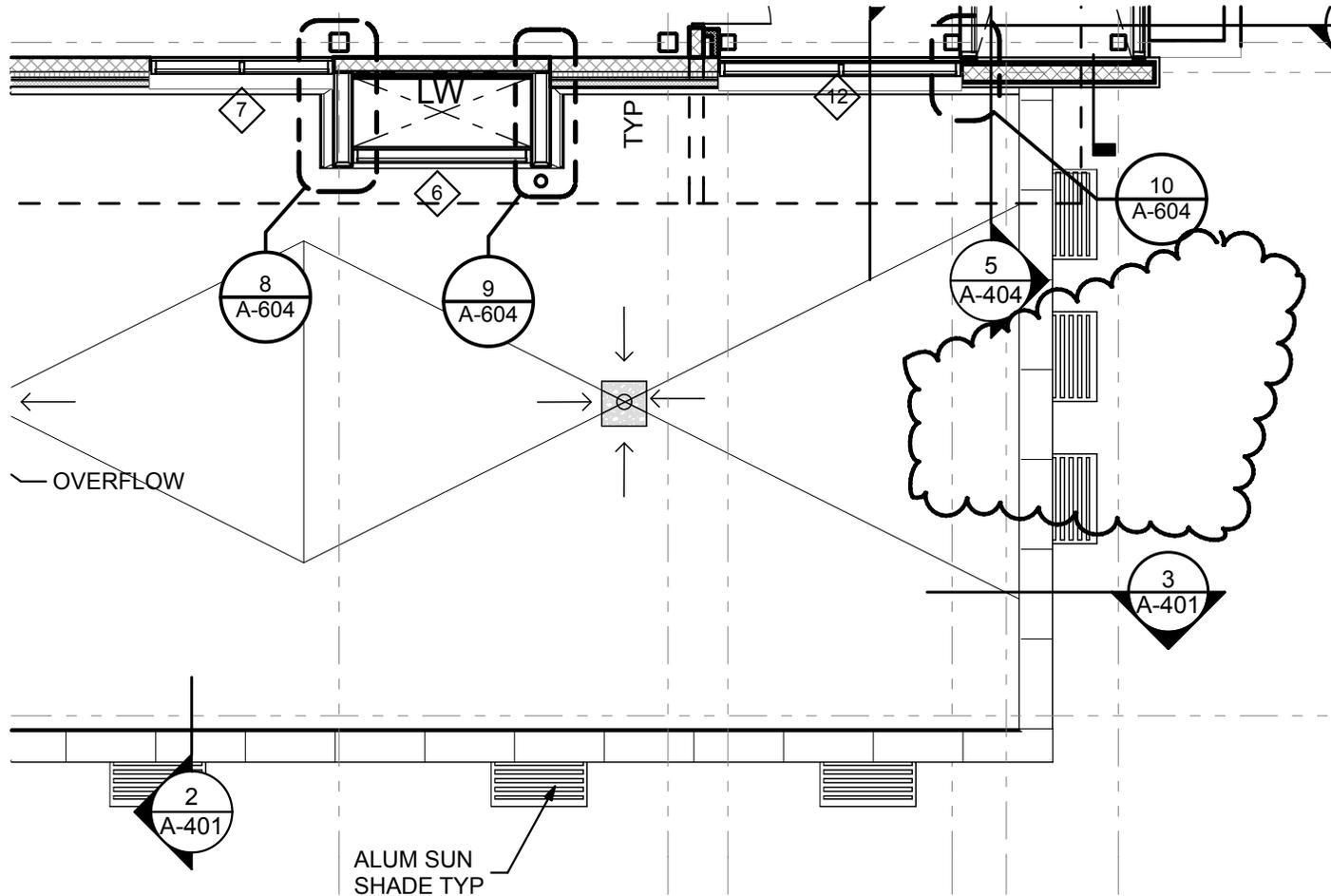
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ADA-51



1
ADA-52

UPPER LEVEL -ROOF

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

REVISED PLAN 1/A-131

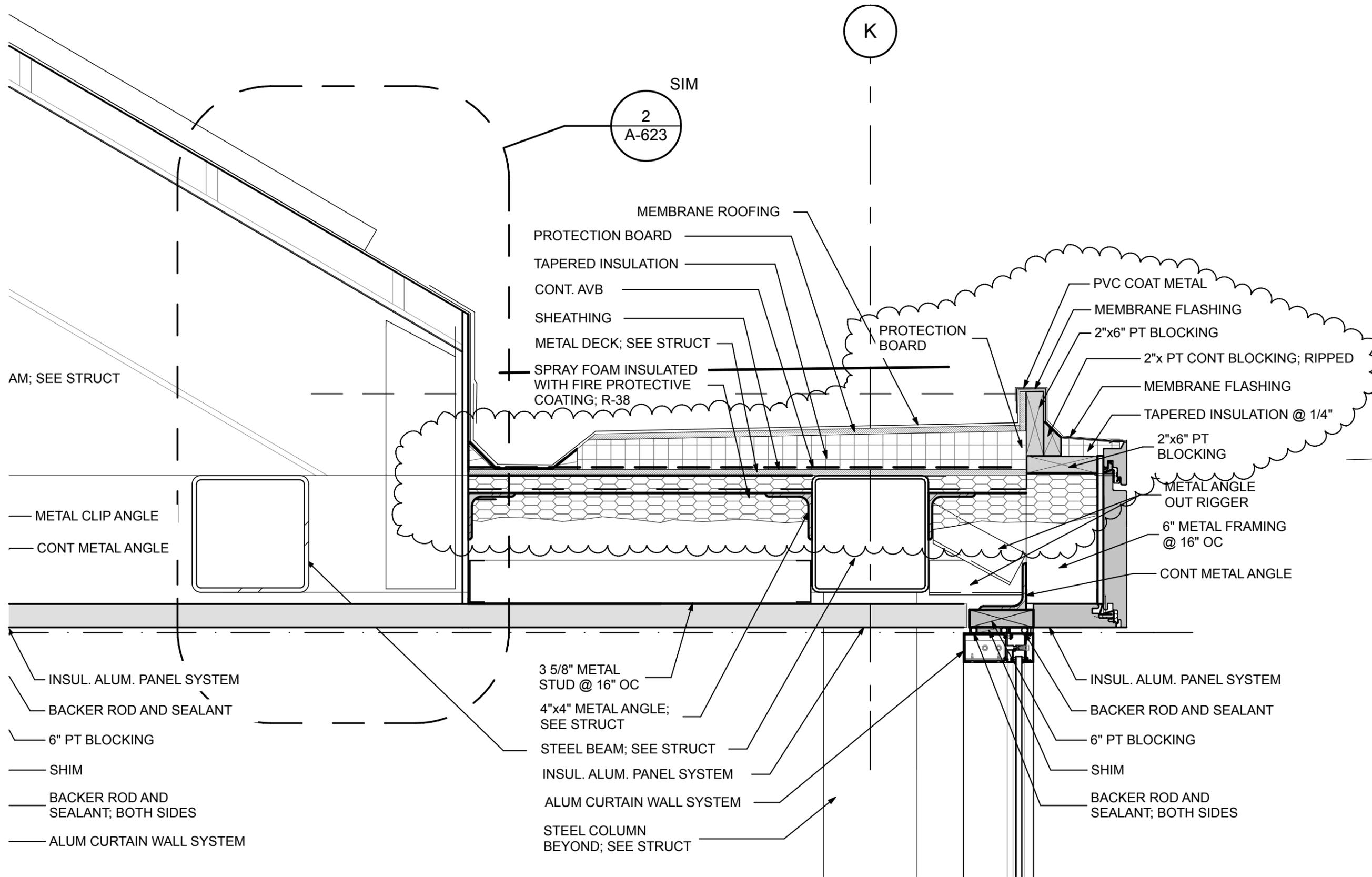
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ADA-52



AM; SEE STRUCT

METAL CLIP ANGLE
CONT METAL ANGLE

INSUL. ALUM. PANEL SYSTEM
BACKER ROD AND SEALANT
6" PT BLOCKING
SHIM
BACKER ROD AND SEALANT; BOTH SIDES
ALUM CURTAIN WALL SYSTEM

3 5/8" METAL STUD @ 16" OC
4"x4" METAL ANGLE; SEE STRUCT
STEEL BEAM; SEE STRUCT
INSUL. ALUM. PANEL SYSTEM
ALUM CURTAIN WALL SYSTEM
STEEL COLUMN BEYOND; SEE STRUCT

MEMBRANE ROOFING
PROTECTION BOARD
TAPERED INSULATION
CONT. AVB
SHEATHING
METAL DECK; SEE STRUCT
SPRAY FOAM INSULATED WITH FIRE PROTECTIVE COATING; R-38

PVC COAT METAL
MEMBRANE FLASHING
2"x6" PT BLOCKING
2"x PT CONT BLOCKING; RIPPED
MEMBRANE FLASHING
TAPERED INSULATION @ 1/4"
2"x6" PT BLOCKING
METAL ANGLE OUT RIGGER
6" METAL FRAMING @ 16" OC
CONT METAL ANGLE

INSUL. ALUM. PANEL SYSTEM
BACKER ROD AND SEALANT
6" PT BLOCKING
SHIM
BACKER ROD AND SEALANT; BOTH SIDES

SIM
2
A-623

K

1
ADA-53

ROOF DETAIL @ VESTIBULE

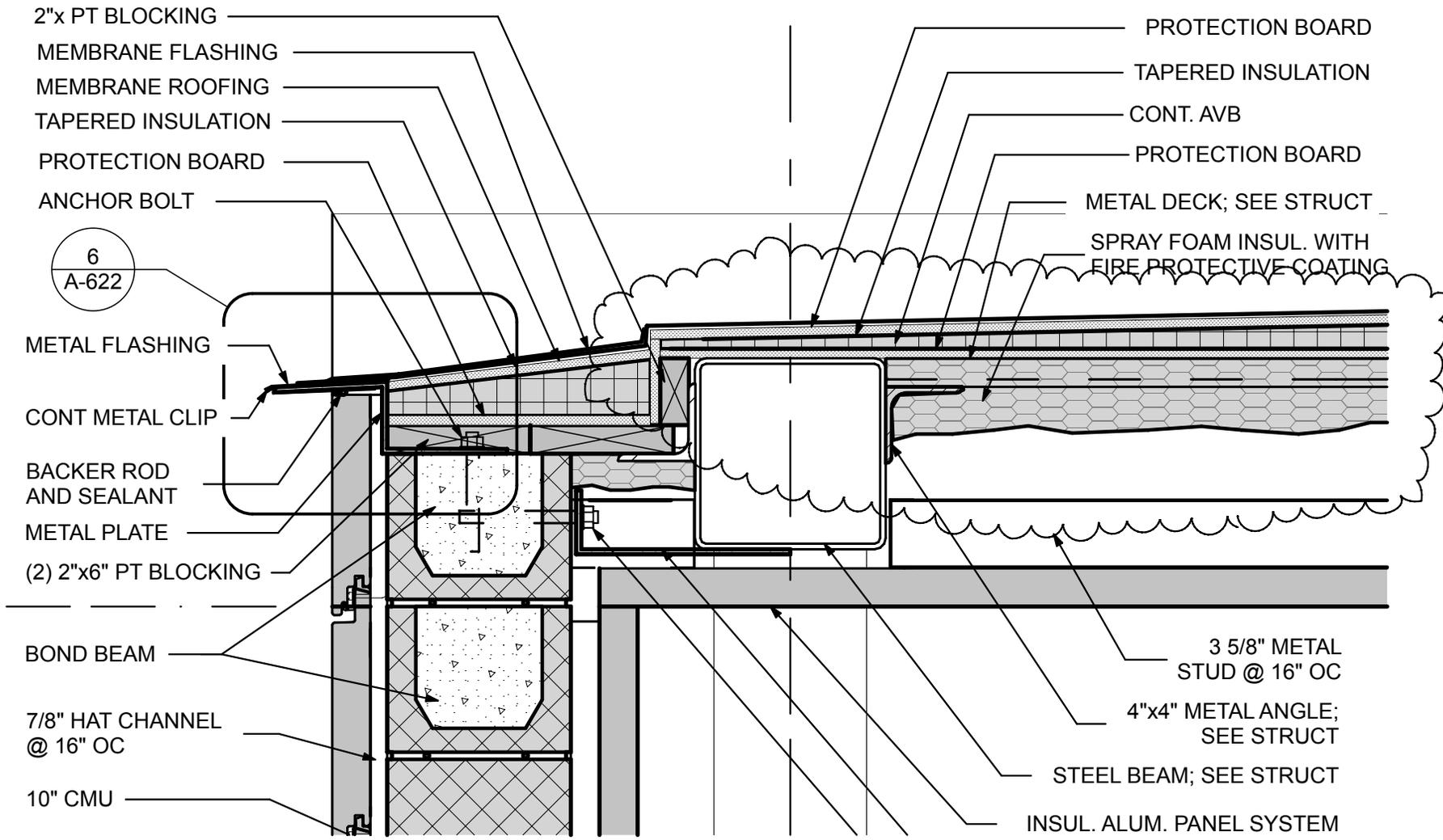
SCALE: 1 1/2" = 1'-0"

REVISED DETAIL 1/A-622

NCA PROJECT NO.
08290
DATE: 05/27/15
ADA-53

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2"x PT BLOCKING

MEMBRANE FLASHING

MEMBRANE ROOFING

TAPERED INSULATION

PROTECTION BOARD

ANCHOR BOLT

6
A-622

METAL FLASHING

CONT METAL CLIP

BACKER ROD
AND SEALANT

METAL PLATE

(2) 2"x6" PT BLOCKING

BOND BEAM

7/8" HAT CHANNEL
@ 16" OC

10" CMU

PROTECTION BOARD

TAPERED INSULATION

CONT. AVB

PROTECTION BOARD

METAL DECK; SEE STRUCT

SPRAY FOAM INSUL. WITH
FIRE PROTECTIVE COATING

3 5/8" METAL
STUD @ 16" OC

4"x4" METAL ANGLE;
SEE STRUCT

STEEL BEAM; SEE STRUCT

INSUL. ALUM. PANEL SYSTEM

3
ADA-54

ROOF DETAIL @ VESTIBULE - NORTH

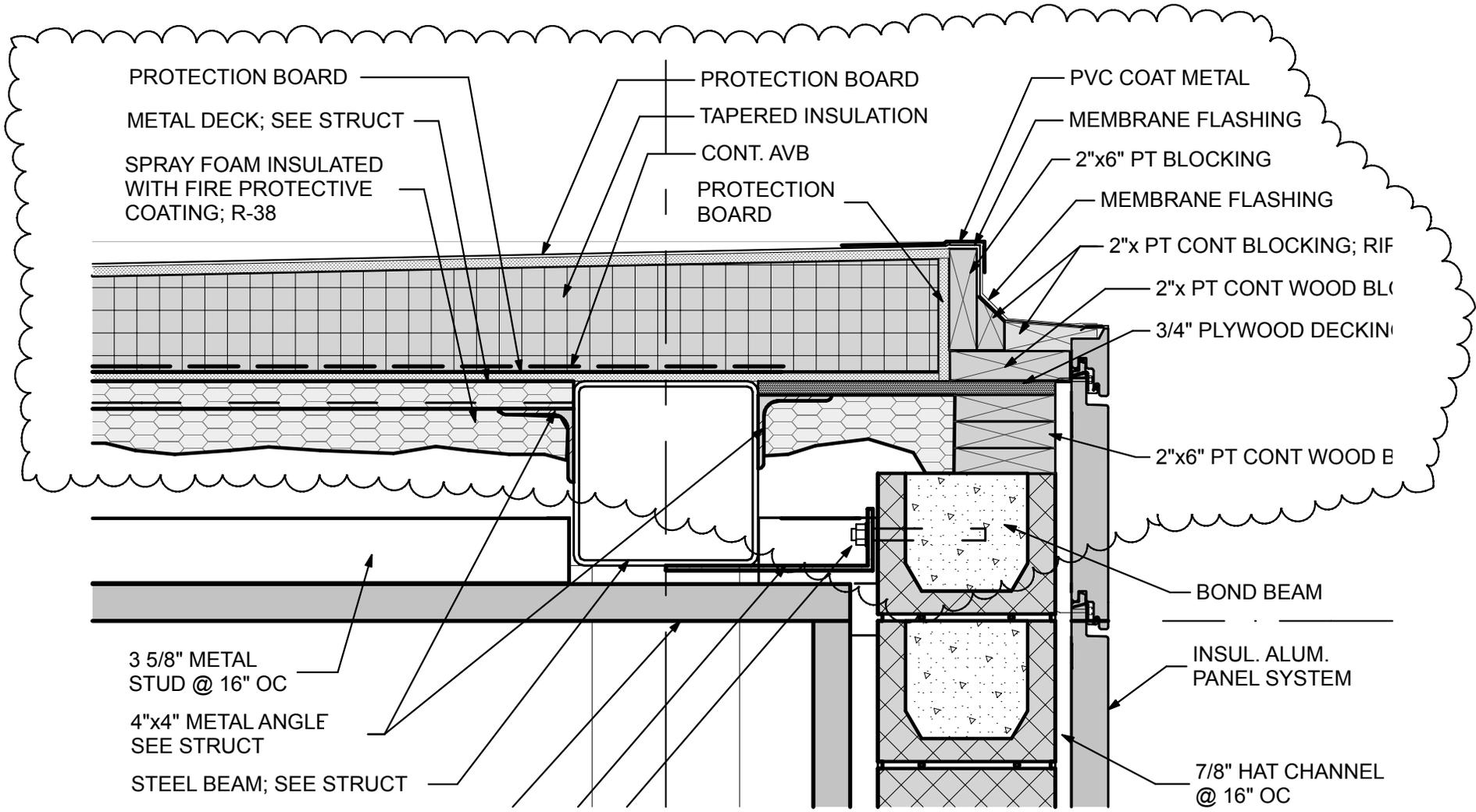
SCALE: 1 1/2" = 1'-0"

REVISED DETAIL 3/A-622

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08290
DATE: 05/27/15
ADA-54



4
ADA-55

ROOF DETAIL @ VESTIBULE - SOUTH

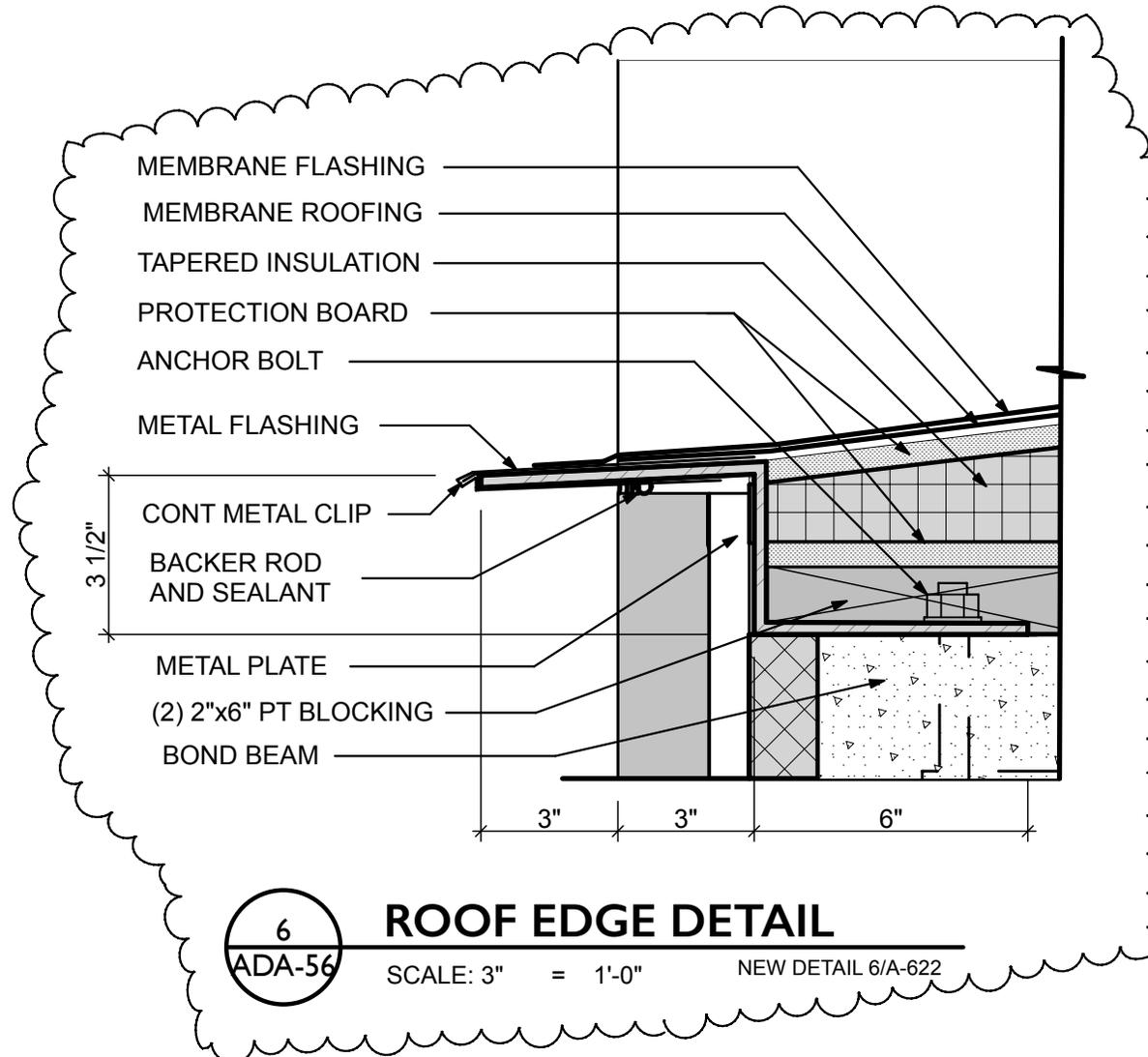
SCALE: 1 1/2" = 1'-0"

REVISED DETAIL 4/A-622

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08290
DATE: 05/27/15
ADA-55



6
ADA-56

ROOF EDGE DETAIL

SCALE: 3" = 1'-0"

NEW DETAIL 6/A-622

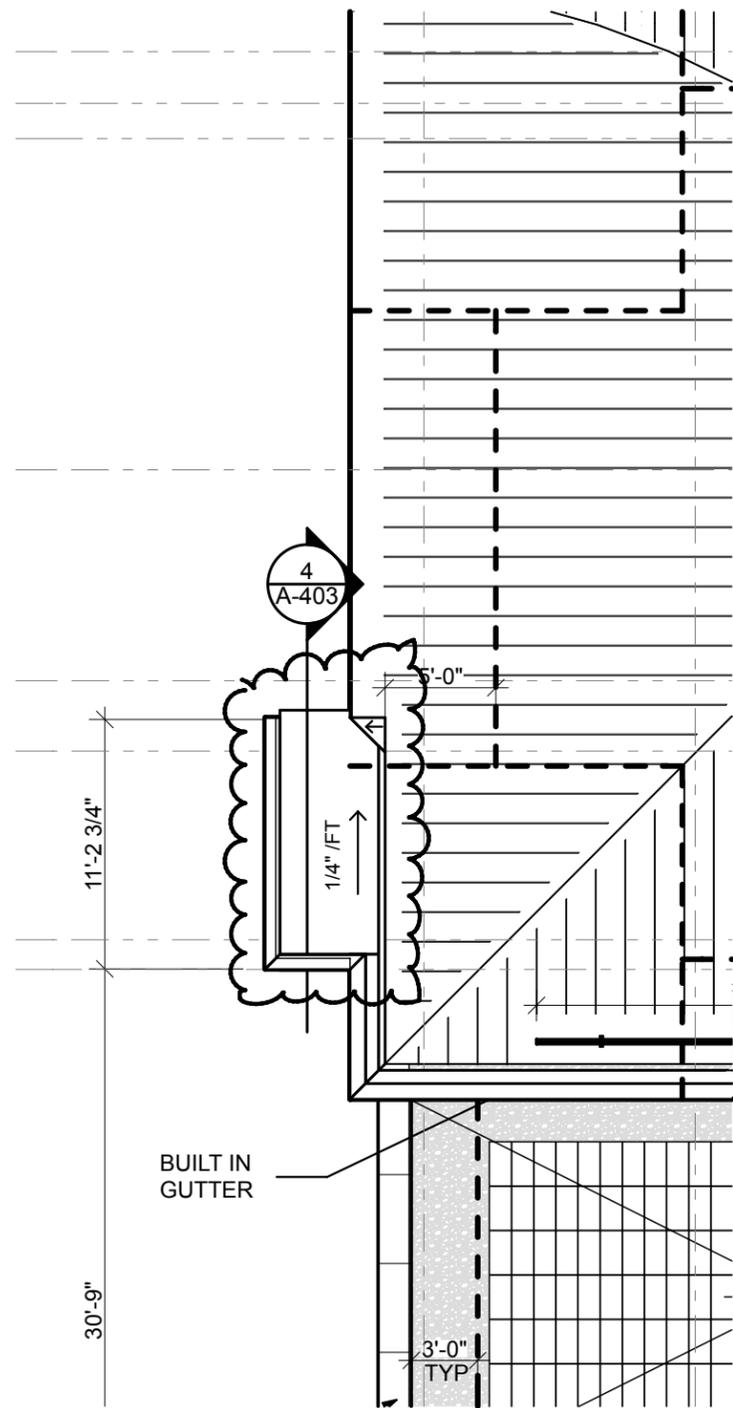
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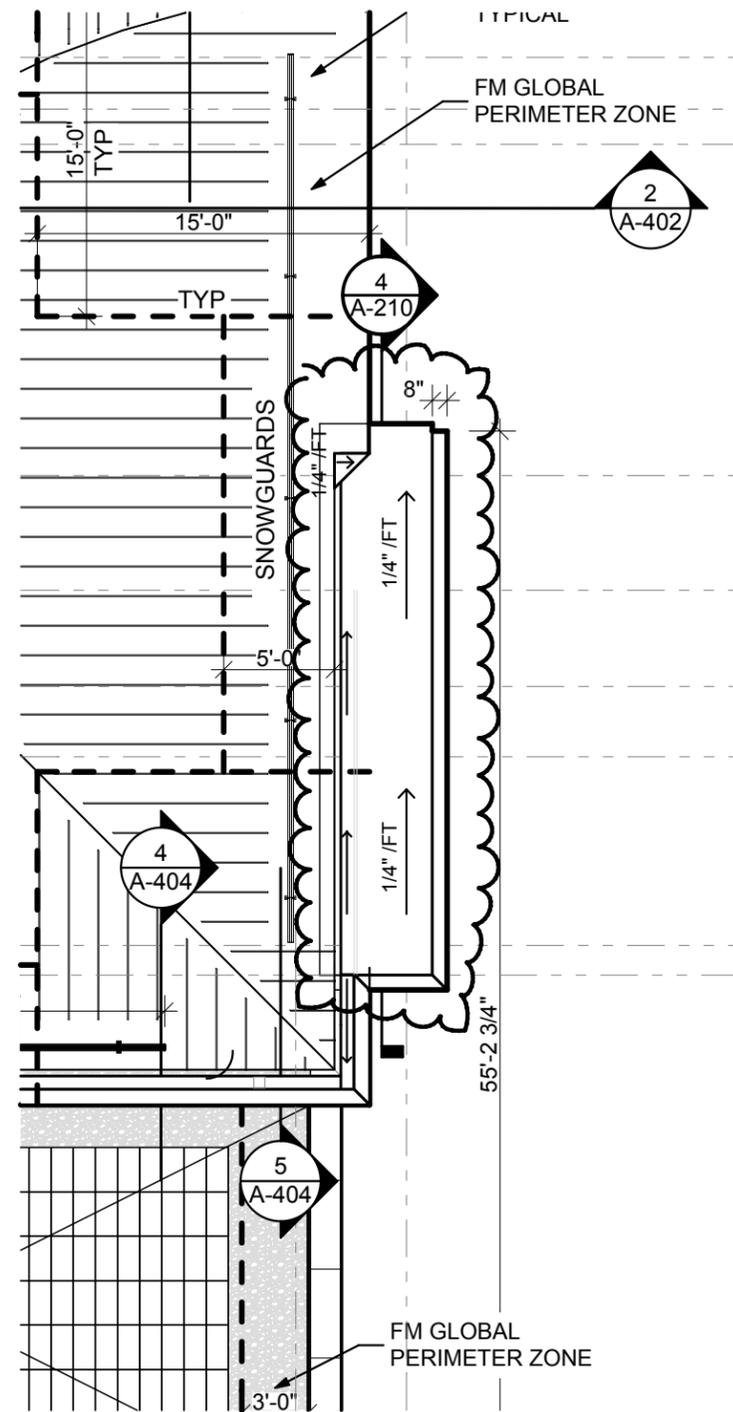
NCA PROJECT NO.
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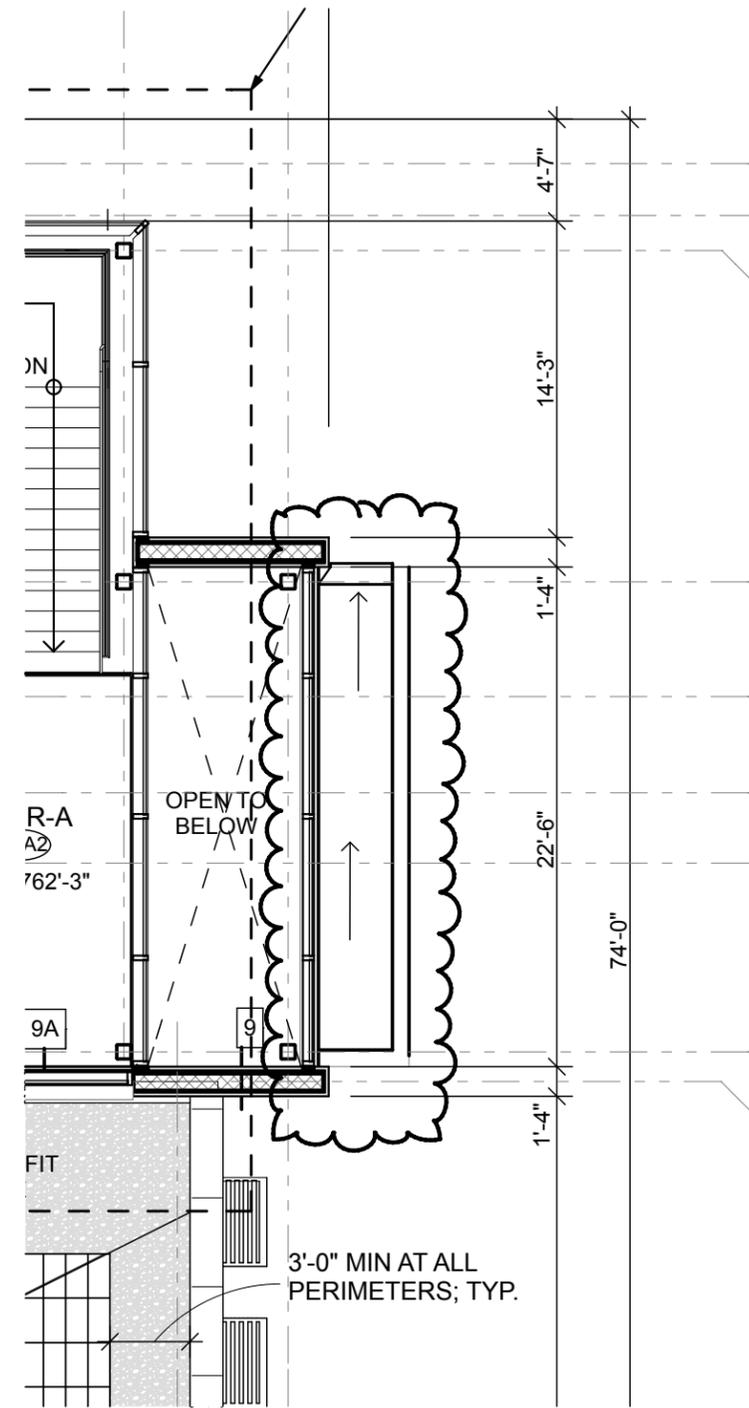
ADA-56



1
ADA-57
ROOF PLAN
 SCALE: 1/8" = 1'-0" REVISED PLAN 1/A-140



2
ADA-57
ROOF PLAN
 SCALE: 1/8" = 1'-0" REVISED PLAN 1/A-140

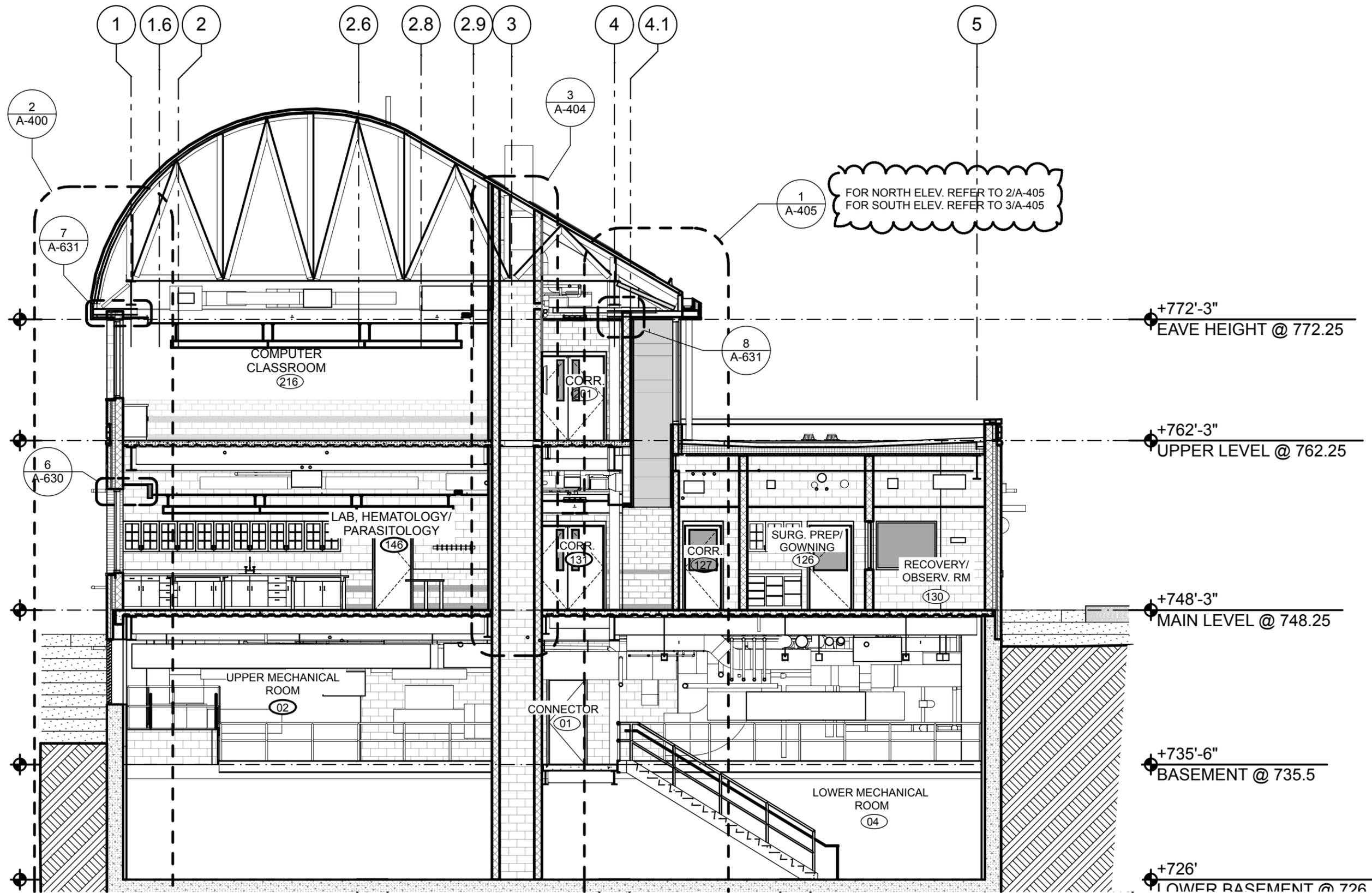


3
ADA-57
UPPER LEVEL DIM PLAN
 SCALE: 1/8" = 1'-0" REVISED PLAN 1/A-131 AND 1/A-131.S

NCA PROJECT NO.	08290
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	ADA-57

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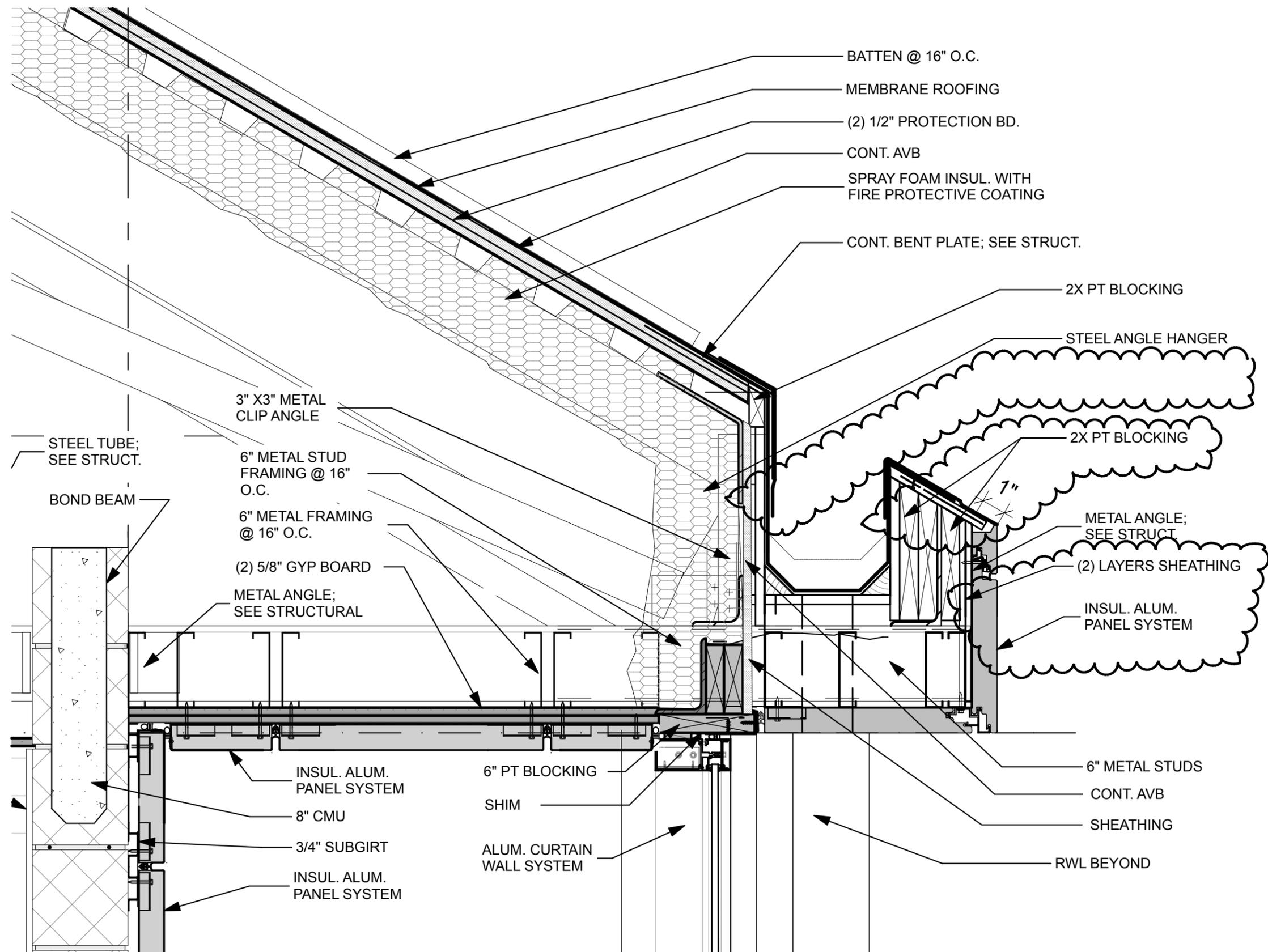
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1
ADA-58

TRANSVERSE SECTION AT LOWER BASEMENT LEVEL

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

REVISED SECTION 2/A-210



**TYPICAL ROOF DETAIL @
UPPER ROOF SOUTH AT LIGHT WELL**

2
ADA-59

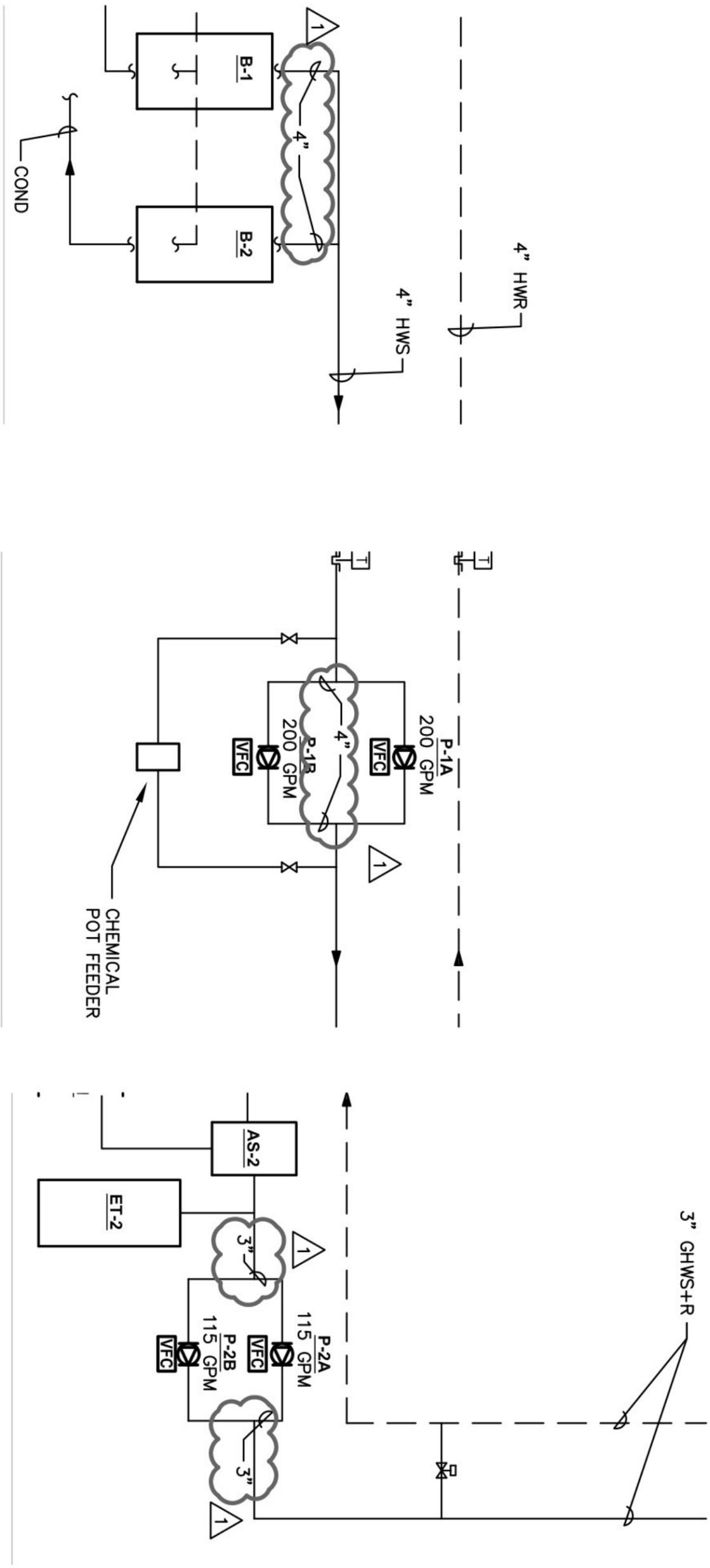
SCALE: 1 1/2" = 1'-0"

REVISED DETAIL 2/A-621

NCA PROJECT NO.	08290
DATE:	05/27/15
	ADA-59

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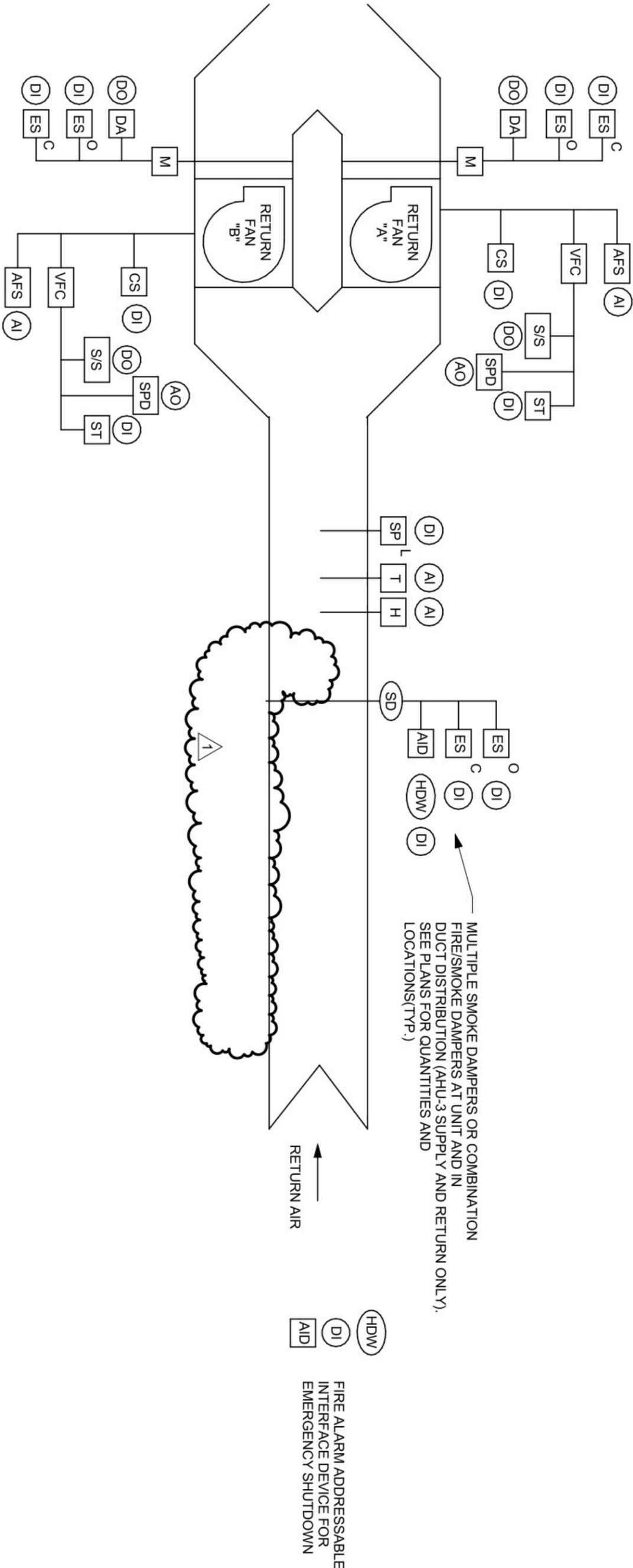


HOT WATER PIPING RISER DIAGRAM
NOT TO SCALE



REVISIONS DWG. H-301

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				ADH-01



TYPICAL AHU CONTROL SCHEMATIC (AHU-2, AHU-3)
NOT TO SCALE



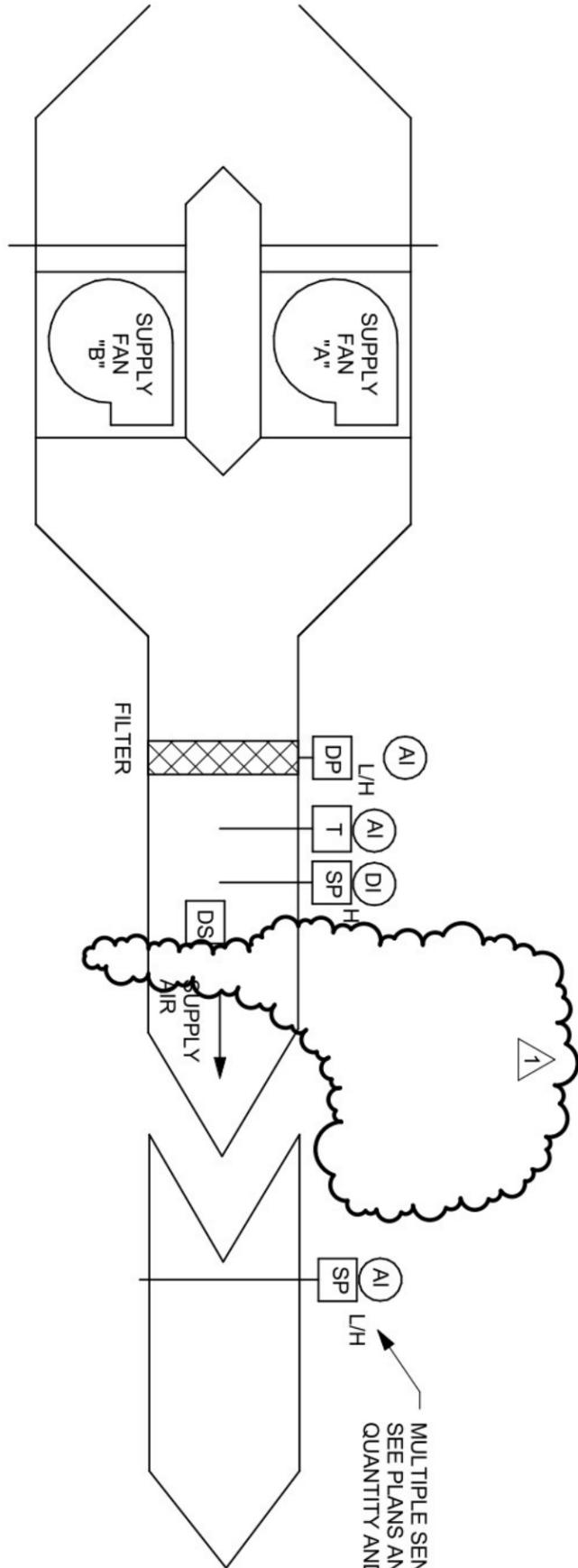
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DATE: 05/28/15
ADH-02



DUAL FAN AIR HANDLER CONTROL (AHU-1S & AHU-1E)
 NOT TO SCALE

MULTIPLE SENSORS IN DUCT SYSTEM,
 SEE PLANS AND AIRFLOW DIAGRAMS FOR
 QUANTITY AND LOCATION. (TYPICAL)



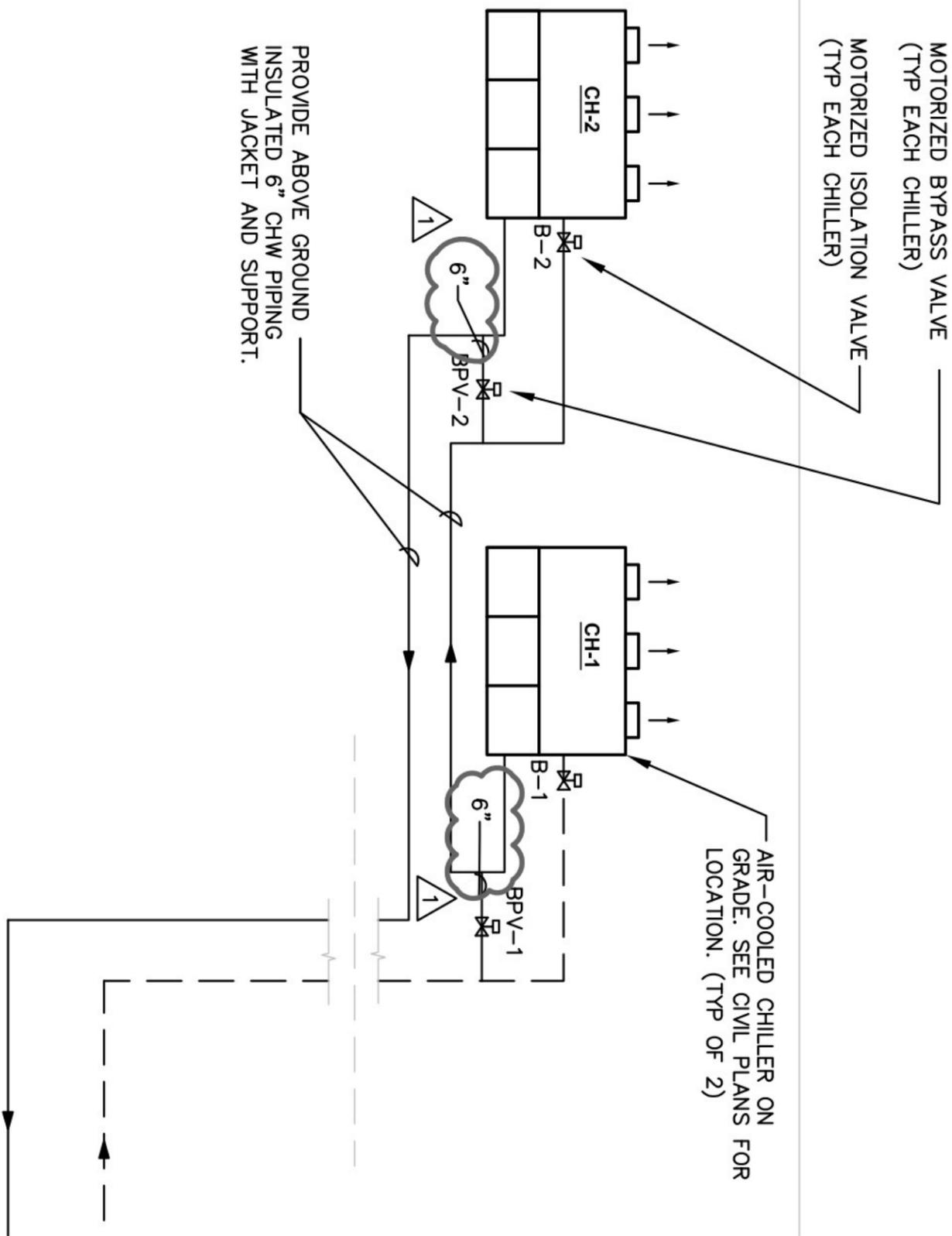
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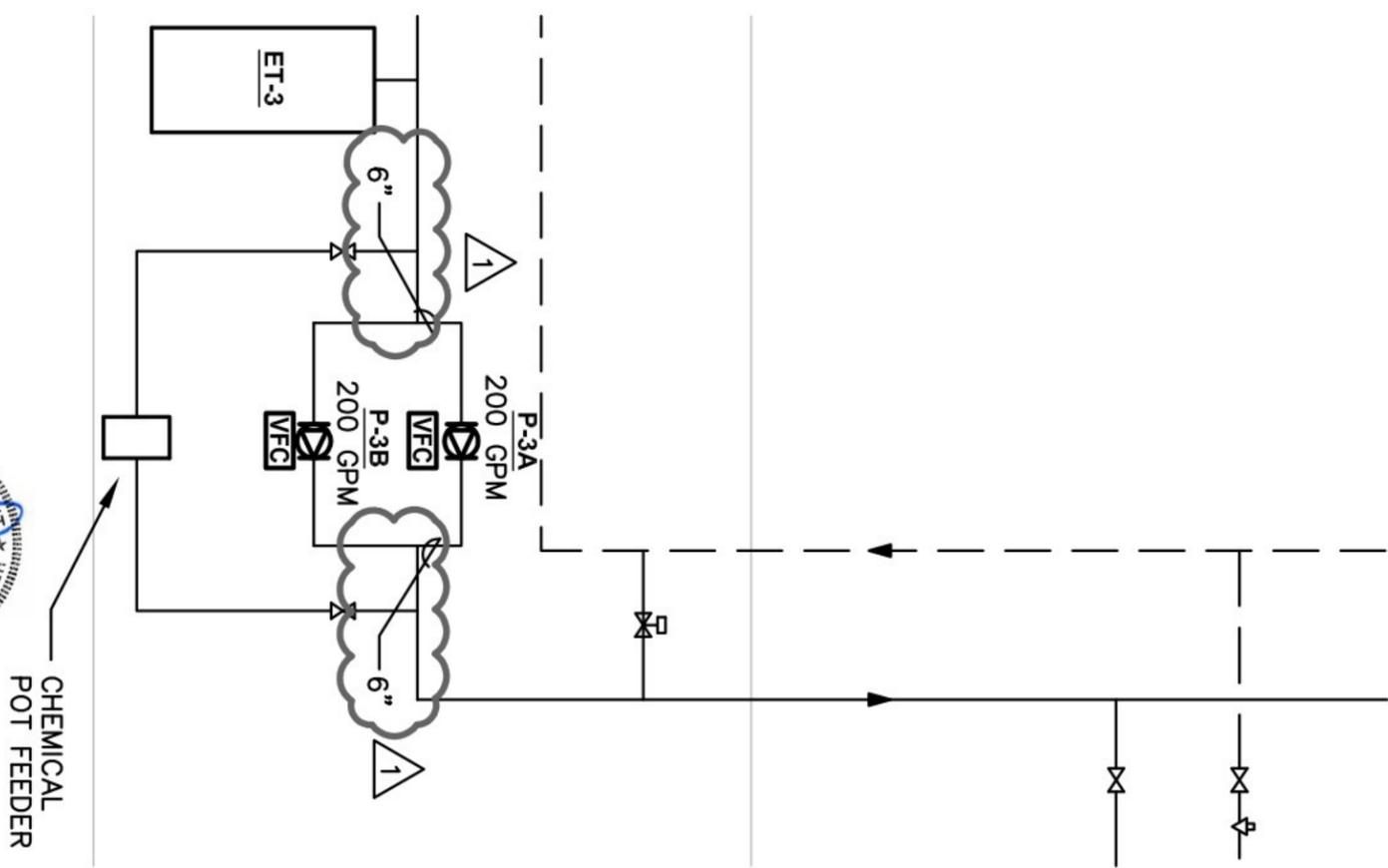
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CHILLED WATER PIPING RISER DIAGRAM
NOT TO SCALE



REVISIONS DWG. H-302

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				ADH-04

GENERAL NOTE:
PROVIDE HYDRONIC PIPING RUNOUTS FROM DISTRIBUTION MAINS TO ALL
TERMINAL EQUIPMENT. SEE UNIT SCHEDULES FOR RUNOUT PIPING SIZES.
ALL RUNOUTS SHALL BE INDEPENDENT UNLESS NOTED OR INDICATED
OTHERWISE (IE: VAV, UH, FPR, CUH, FCU, RCP, ETC.) SEE PIPING DETAILS
FOR ADDITIONAL PIPE AND VALVE REQUIREMENTS.
THIS NOTE APPLIES TO DRAWINGS HP-100, HP-110, HP-120, AND HP-130S

1



REVISING DWG. HP-100, HP-110, HP-120, HP-130S

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ADHP-01

MEPT GENERAL NOTES

HVAC

1. PROVIDE THROTTLING VALVES AND SHUT-OFF VALVES AS SPECIFIED IN ADDITION TO THOSE INDICATED ON THE DOCUMENTS.
2. PROVIDE DUCT TAKE-OFF TYPES AND VOLUME DAMPERS PER THE SPECIFICATIONS AND DUCT TAKE-OFF DETAILS ON DRAWINGS. TAKE-OFFS SHOWN ON FLOOR PLANS DO NOT REPRESENT THE SPECIFIC TYPE OF TAKE-OFF REQUIRED. CONSULT THE DETAILS AND SPECIFICATIONS.
3. INSTALL SMOKE DETECTORS FOR AIR HANDLING EQUIPMENT PER THE MEP DETAILS. PROVIDE SMOKE DAMPERS AND INSTALL ASSOCIATED SMOKE DETECTORS AT DUCT PENETRATIONS OF SMOKE-BARRIERS; AT AIR HANDLING UNITS, AND AT ELEVATOR SHAFT VENTS PER THE MEP DETAILS AND CODE REQUIREMENTS.
4. PROVIDE AN AUTOMATIC TEMPERATURE CONTROL SYSTEM COMPLETE IN ALL REGARDS. ALL ZONES, VAV'S AND SYSTEMS SHALL BE THERMOSTATICALLY CONTROLLED. REVIEW THE PLANS AND SPECIFICATIONS OF ALL MEP TRADES FOR A COMPLETE SCOPE OF THE WORK.
5. PIPING SHALL BE SUPPORTED FROM STRUCTURE ABOVE. TO MAXIMIZE HEAD ROOM, INSTALL TIGHT TO BOTTOM OF BEAMS WHEN RUNNING PERPENDICULAR TO BEAM. INSTALL PIPING TIGHT TO FLOOR SLAB WHEN RUNNING PARALLEL TO BEAM. PROVIDE ALL NECESSARY FITTINGS AND TRANSITIONS.
6. PROVIDE AIR VENTS AT ALL HIGH POINTS AND DRAINS AT ALL LOW POINTS.
7. PROVIDE FIRE DAMPERS AT DUCT PENETRATIONS OF FIRE-RATED CONSTRUCTION, INCLUDING WALLS, SHAFTS AND FLOOR PENETRATIONS. COORDINATE WITH ARCHITECTURAL DRAWINGS.
8. PAINT AND INTERNALLY INSULATE ALL EXPOSED DUCTWORK PER THE SPECIFICATIONS.
9. PROVIDE PRESSURE RELIEF DOORS FOR AIR SYSTEMS PER THE SPECIFICATIONS.
10. PROVIDE MOTORIZED DAMPERS AT ALL PERMANENT OPENINGS (EXHAUST, SUPPLY, RELIEF, O.A. INTAKES, MAKE-UP AIR, SMOKE VENTS, ETC.) EXCEPT DRYER, KITCHEN, AND FUME EXHAUST AND PROVIDE A MEANS TO CONTROL THE DAMPER OPERATION.
11. PROVIDE HYDRONIC PIPING RUNOUTS FROM DISTRIBUTION MAINS TO ALL TERMINAL EQUIPMENT. SEE UNIT SCHEDULES FOR RUNOUT PIPING SIZES. ALL RUNOUTS SHALL BE INDEPENDENT UNLESS NOTED OR INDICATED OTHERWISE (IE: VAV, UH, FPR, CUH, FCU, RCP, ETC.) SEE PIPING DETAILS FOR ADDITIONAL PIPE AND VALVE REQUIREMENTS.



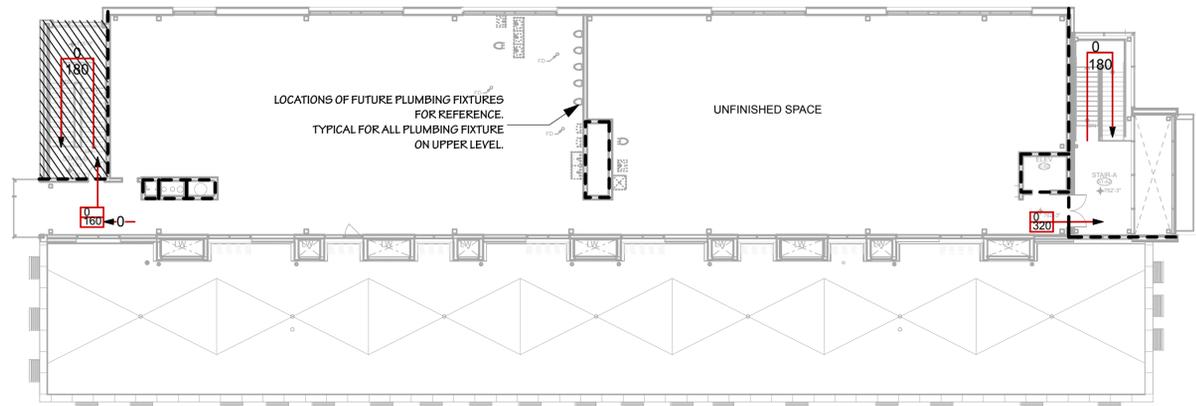
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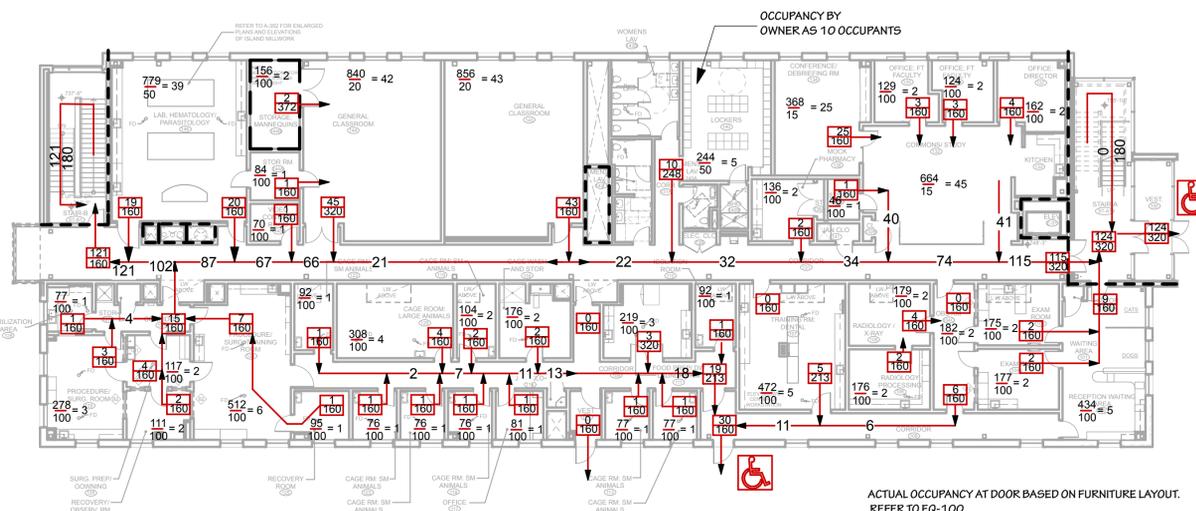


UPPER LEVEL CODE PLAN
SCALE: 1/16" = 1'-0"

UPPER LEVEL

BALANCED EGRESS CAPACITY

O P design occupant load

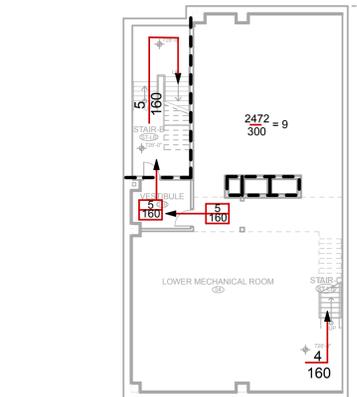


MAIN LEVEL CODE PLAN
SCALE: 1/16" = 1'-0"

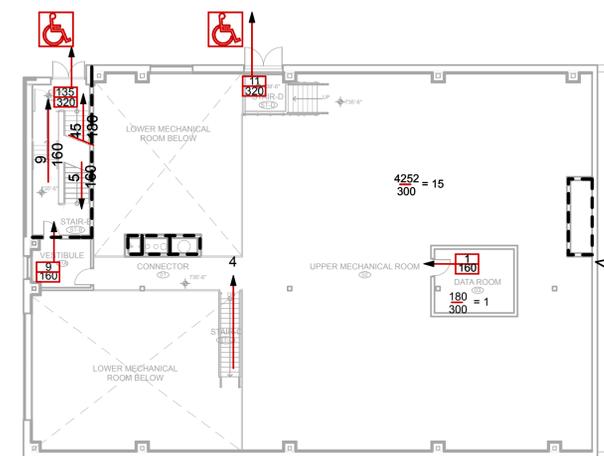
MAIN LEVEL

BALANCED EGRESS CAPACITY

275 P design occupant load
2 exits required, 4 exits provided
(R-1) R=Cx2 (2-1)/2=1/2
(1/2) 275 = 138 P
138 P / 4 exits = 35 min. capacity per each exit
Min. required door width: 35(2)=7'-0", 3'-0", and pairs of 3'-0" (7'2") provided at exits
Min. required corridor width: 35(2)=7'-0", 6'-8" (8'-0") minimum provided
Min. required stair width: 35(3)=10.5", 5'-4" provided



LOWER BASEMENT CODE PLAN
SCALE: 1/16" = 1'-0"



BASEMENT CODE PLAN
SCALE: 1/16" = 1'-0"

BASEMENT

BALANCED EGRESS CAPACITY

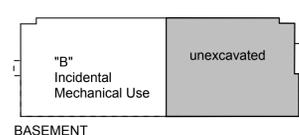
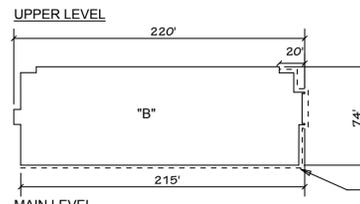
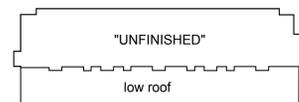
25 P design occupant load
2 exits required, 2 exits provided
(1/2) 25 = 13 P
13 P / 2 exits = 7 min. capacity per each exit
Min. required door width: 7(2)=1'-4", single and pairs of 3'-0" (7'2") doors provided at exits
Min. required corridor width: 7(2)=1'-4", 6'-8" (8'-0") minimum provided
Min. required stair width: 7(3)=2'-1", 4'-8" provided

STATE BUILDING CODE International Building Code 2003 Connecticut Supplement 2005, 2009

- 1.0 EXISTING BUILDING (Chapter 34): NO
1.1 Continuation of Existing Use: N/A
1.2 Change of Use: N/A
- 2.0 NEW BUILDINGS OR ADDITIONS: YES
2.1 Exceeds Threshold Building Limits: NO
- 3.0 USE GROUP CLASSIFICATION (302.1): BUSINESS (B)
3.02.1.1 Incidental Use Areas: Boiler Room in Basement
- 4.0 HEIGHT AND AREA COMPUTATION - CASE 1:
- 4.1 BUILDING HEIGHT:
4.1.1 Actual Building Height: 55' / 3 Stories (2 Stories Above Grade)
4.1.2 Allowable Building Height (Table 503): 75' / 4 Stories (with 504.2 sprinkler increase)
- 4.2 OPEN PERIMETER COMPUTATION:

Total Perimeter	588	Total Open Perimeter	309	ft.
% increase for open perimeter	W = 30			
= 100 x (Open Perimeter/Total Perimeter - .25) x (W/30)				
= 100 x (309/588 - .25) x (30/30)				
= 28				

	% increase tabular area	% increase for open perimeter	% increase for area	Total % increase for tabular area
4.3 TABULAR AREA ADJUSTMENTS:				
Entire Building:	100%	28%	200%	328%



Floor:	Basement	Main	Upper	TOTAL
New Construction:	7,563	15,491	9,332	32,386

4.6 ADJUSTED TABULAR AREA - See 4.7
4.7 ALLOWABLE BUILDING AREA PER FLOOR:

a.) ALLOWABLE AREA per floor (conversion factor x Tabular Area tbl. 503)
B: 3.28 x 23,000 = 75,440 sq.ft.

b.) TOTAL FLR AREA:	Basement:	7,563 sq.ft.	(B) Incidental Use
Main Level:	15,491 sq.ft.	(B)	
Upper Level:	9,332 sq.ft.	(B)	
All Stories:	32,386 sq.ft.		

e.) ALLOWABLE FLOOR AREA: 75,440 is greater than 15,491

SYMBOLS LEGEND:	
768 20	ROOM OCCUPANCY LOAD AREA IN SQUARE FEET OCCUPANCY LOAD FACTOR
0 163	EXIT CAPACITY ACTUAL EGRESS OCCUPANCY OF DOOR OR STAIR MAXIMUM ALLOWABLE EGRESS OCCUPANCY OF DOOR OR STAIR
→ 15 →	DIRECTION OF TRAVEL ACTUAL EGRESS OCCUPANCY OF PASSAGE OR STAIR
← 186' →	MAXIMUM TRAVEL DISTANCE FROM FURTHEST POINT
♿	ACCESSIBLE AREA OR EXIT
---	1 HOUR FIRE SEPARATION
- - -	SMOKE TIGHT PARTITION
▨	RATED CEILING 1 HR AER-09038

- 6.0 CONSTRUCTION TYPE:
Minimum Type of Construction Required: II-B
Actual Type of Construction Provided: II-B
- 7.0 MEANS OF EGRESS:
7.1 Total Occupant Load (Entire Building): 134
7.2 Total Occupant Load (Largest Floor): 109
7.3 Total Capacity of Exits (Exit Discharge): 1,280
- 8.0 FIRE RESISTANCE RATING OF STRUCTURAL ELEMENTS REFER TO CONSTRUCTION DOCUMENTS FOR THE FOLLOWING:
8.1 Exterior Walls:
8.1.1 Load Bearing (Tbl. 601): 0 HRS
8.1.2 Non Load Bearing (Tbl. 602): 0 HRS
8.2 Fire Walls and Party Walls (Tbl. 705.4): 0 HRS
8.3 Fire Separation Assemblies:
8.3.1 Fire enclosure of exits (1019.1): 1 HR
8.3.2 Shafts (707.4): 1 HR
8.3.3 Mixed Use Separation (Tbl. 302.3.2): 0 HRS
8.3.4 Other Separation Assemblies (Tbl. 706.3.7): 0 HR
8.4 Fire Partitions (708.3): 1 HR
8.5 Dwelling Unit Separations: NA
8.6 Smoke Barriers (709.3): NA
8.7 Other Non Bearing Partitions (710.3): 0 HRS
8.8 Interior Bearing Walls, Bearing Partitions, Columns, Girders, Trusses and Framing (Tbl. 601): 0 HRS
8.8.1 Supporting more than one floor: 0 HRS
8.8.2 Supporting one floor only or a roof: 0 HRS
8.8.3 Structural members supporting wall: 0 HRS
8.9 Floor Construction including Beams (Tbl. 601): 0 HRS
8.10 Roof Construction (Tbl. 601): 0 HRS
8.10.1 Height to lowest member < 15 ft.: 0 HRS
8.10.2 Height to lowest member > 15 ft.: 0 HRS
8.10.3 Height to lowest member ≥ 20 ft.: 0 HRS
- 9.0 FIRE PROTECTION SYSTEM (Chapter 9), entire building:
9.1 Fire Suppression System: Automatic Sprinkler System
9.2 Alarms: Automatic, Audible/Visible
9.3 Automatic Fire Detection System: Provided
9.4 Smoke Control System: Not Required
9.5 Supervision: Provided
- 10. MODIFICATIONS: None
- 11. ACCESSIBLE BUILDING: YES (ACCESSIBLE ELEVATOR)
- 12. MINIMUM PLUMBING FIXTURE COUNT (IPC Chapter 4):

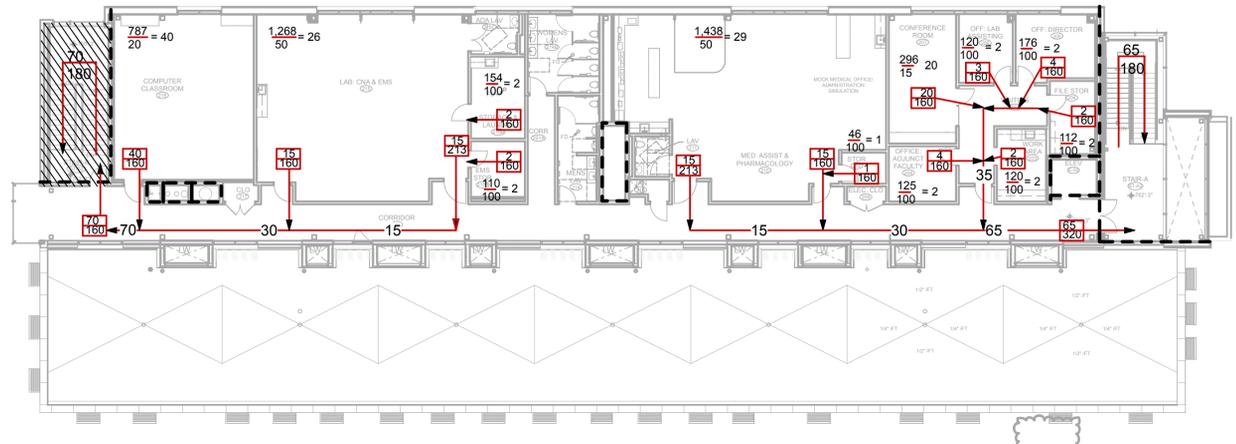
	REQUIRED	PROPOSED
"B" Business Total:	300	
Male WC:	(1/25 for first 50, 1/50 for remainder >50)	4
Female WC:	(1/25 for first 50, 1/50 for remainder >50)	4
Lavatories:	(1/40 for first 50, 1/80 for remainder >50)	5
DF:	310 / 500	1
Service Sink:		2
Showers:	0	1

International Energy Conservation Code, 2009, With 2011 Amendment
State Public Health Code
OSHA / Title 29
Section 504, Rehabilitation Act 1973 With UFAS
Americans With Disabilities Act, 2010
2003 ICC / ANSI A117.1

STATE FIRE SAFETY CODE
International Fire Code 2003
NFPA 1, Uniform Fire Code 2003
NFPA 101, Life Safety Code 2003
NFPA 70, 2005
Connecticut Supplement 2005, 2009
2012 Amendment

- 1.0 CLASSIFICATION OF OCCUPANCY (Chapter 6): Business
- 2.0 CONSTRUCTION CLASSIFICATION: II-B
- 3.0 MINIMUM CONSTRUCTION TYPE PROVIDED: II-B
- 4.0 ACTUAL CONSTRUCTION TYPE PROVIDED: II-B
- 5.0 NOTIFICATIONS/ALARMS (Chapter 9): Audible/Visual
- 6.0 DETECTION (Chapter 9): Smoke/Heat Where Required
- 7.0 EXTINGUISHMENT REQUIREMENTS (Chapter 9): Automatic Sprinkler System

CODE SHEET		STATE OF CONNECTICUT DEPARTMENT OF CONSTRUCTION SERVICES	
REVISIONS		drawings prepared by NORTHEAST COLLABORATIVE ARCHITECTS 500 PLAZA MIDDLESEX, MIDDLETOWN, CT 06457	
mark	date	description	date 04/14/2015 scale AS NOTED
		project Northwestern Connecticut Community College Joyner Hall 100 South Main Street Winsted, CT	drawn by MJP approved by JDB drawing no.
		project no. BI-CTC-427	G-010



UPPER LEVEL

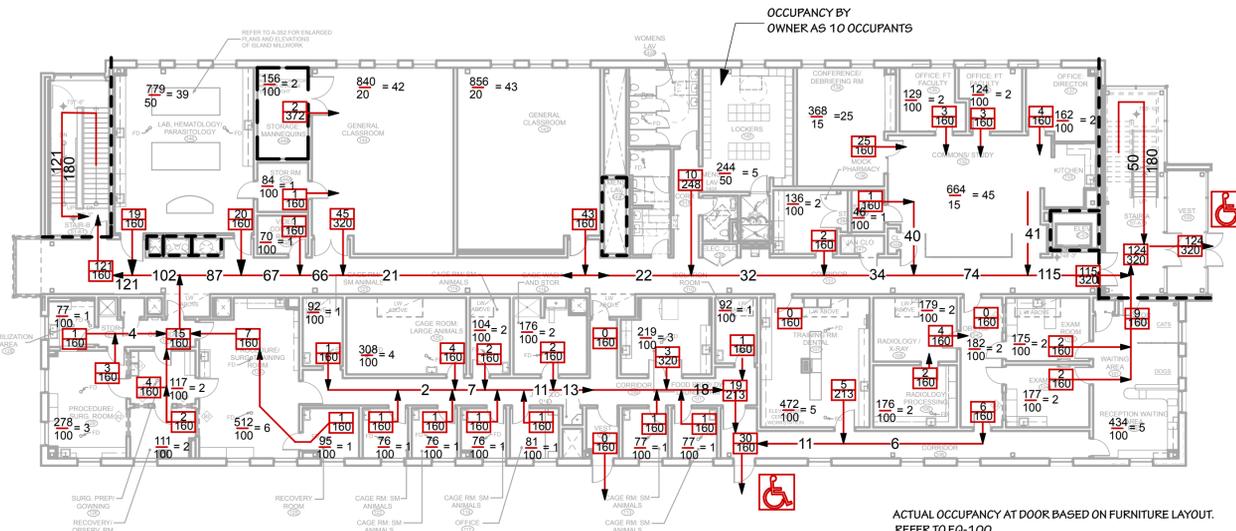
BALANCED EGRESS CAPACITY

135 P design occupant load
 2 exits required, 2 exits provided
 $(R-1)R=C, R=2 (2-1)/2=1/2$
 $(1/2) 135=68 P$
 68 P/2 exits = 34 min. capacity per each exit.
 Min. required door width: $34(2)=68'$ single and pairs of 3'-0" (72) doors provided at exit
 Min. required corridor width: $34(2)=68'$ 6'-8" (80") minimum provided
 Min. required stair width: $34(3)=10.2'$, 54" provided

ACTUAL OCCUPANCY AT DOOR BASED ON FURNITURE LAYOUT.
 REFER TO EQ-1015

UPPER LEVEL CODE PLAN

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



MAIN LEVEL

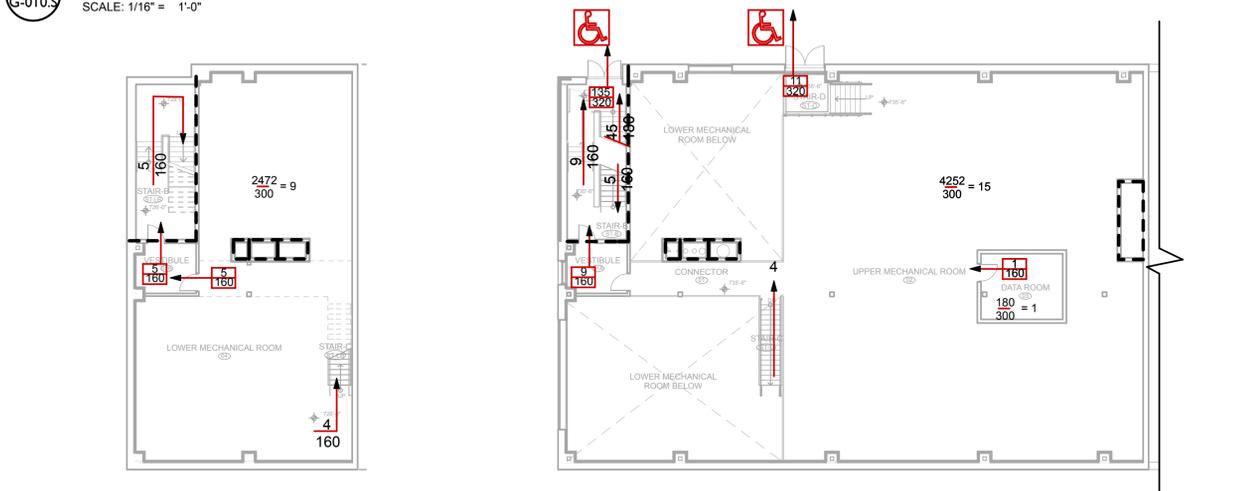
BALANCED EGRESS CAPACITY

275 P design occupant load
 2 exits required, 4 exits provided
 $(R-1)R=C, R=2 (2-1)/2=1/2$
 $(1/2) 275=138 P$
 138 P/4 exits = 35 min. capacity per each exit
 Min. required door width: $35(2)=70'$, 3'-0", and pairs of 3'-0" (72") provided at exits
 Min. required corridor width: $35(2)=70'$, 6'-8" (80") minimum provided
 Min. required stair width: $35(3)=10.5'$, 54" provided

ACTUAL OCCUPANCY AT DOOR BASED ON FURNITURE LAYOUT.
 REFER TO EQ-100

MAIN LEVEL CODE PLAN

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



BASEMENT

BALANCED EGRESS CAPACITY

25 P design occupant load
 2 exits required, 2 exits provided
 $(1/2) 25=13 P$
 13 P/2 exits = 7 min. capacity per each exit.
 Min. required door width: $7(2)=14'$, single and pairs of 3'-0" (72") doors provided at exit
 Min. required corridor width: $7(2)=14'$, 6'-8" (80") minimum provided
 Min. required stair width: $7(3)=2.1'$, 48" provided

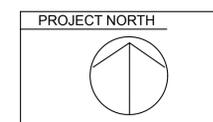
ACTUAL OCCUPANCY AT DOOR BASED ON FURNITURE LAYOUT.
 REFER TO EQ-100

LOWER BASEMENT CODE PLAN

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

BASEMENT CODE PLAN

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

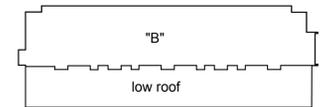


STATE BUILDING CODE International Building Code 2003 Connecticut Supplement 2005, 2009

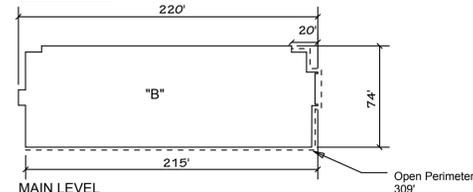
- 1.0 EXISTING BUILDING (Chapter 34): NO
 1.1 Continuation of Existing Use: N/A
 1.2 Change of Use: N/A
- 2.0 NEW BUILDINGS OR ADDITIONS: YES
 2.1 Exceeds Threshold Building Limits: NO
- 3.0 USE GROUP CLASSIFICATION (302.1): BUSINESS (B)
 3.02.1 Incidental Use Areas: Boiler Room in Basement
- 4.0 HEIGHT AND AREA COMPUTATION - CASE 1:

Total Perimeter	588	Total Open Perimeter	309	ft.
% increase for open perimeter			W = 30	
			= 100 x (Open Perimeter/Total Perimeter - .25) x (W/30)	
			= 100 x (309/588 - .25) x (30/30)	
			= 28	

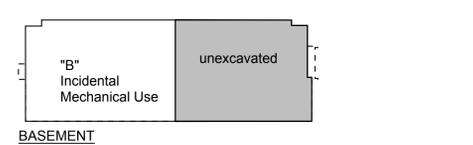
- 4.1 BUILDING HEIGHT:
 4.1.1 Actual Building Height: 55' / 3 Stories (2 Stories Above Grade)
 4.1.2 Allowable Building Height (Table 503): 75' / 4 Stories (with 504.2 sprinkler increase)
- 4.2 OPEN PERIMETER COMPUTATION:



UPPER LEVEL



MAIN LEVEL



BASEMENT

4.4/4.5 BUILDING AREA (Chapter 5):

Floor:	Basement	Main	Upper	TOTAL
New Construction:	7,563	15,491	9,332	32,386

- 4.6 ADJUSTED TABULAR AREA - See 4.7
- 4.7 ALLOWABLE BUILDING AREA PER FLOOR:

a.) ALLOWABLE AREA per floor
 (conversion factor x Tabular Area tbl. 503)

B: 3.28 x 23,000 = 75,440 sq.ft.

b.) TOTAL FLR AREA:

Basement:	7,563 sq.ft.	(B) Incidental Use
Main Level:	15,491 sq.ft.	(B)
Upper Level:	9,332 sq.ft.	(B)
All Stories:	32,386 sq.ft.	

e.) ALLOWABLE FLOOR AREA: 75,440 is greater than 15,491

SYMBOLS LEGEND:	
	ROOM OCCUPANCY LOAD
	AREA IN SQUARE FEET
	OCCUPANCY LOAD FACTOR
	EXIT CAPACITY
	ACTUAL EGRESS OCCUPANCY OF DOOR OR STAIR
	MAXIMUM ALLOWABLE EGRESS OCCUPANCY OF DOOR OR STAIR
	DIRECTION OF TRAVEL
	MAXIMUM TRAVEL DISTANCE FROM FURTHEST POINT
	ACCESSIBLE AREA OR EXIT
	1 HOUR FIRE SEPARATION
	SMOKE TIGHT PARTITION
	RATED CEILING 1 HR AER-09038

- 6.0 CONSTRUCTION TYPE:
 Minimum Type of Construction Required: II-B
 Actual Type of Construction Provided: II-B
- 7.0 MEANS OF EGRESS:
 7.1 Total Occupant Load (Entire Building): 188
 7.2 Total Occupant Load (Largest Floor): 109
 7.3 Total Capacity of Exits (Exit Discharge): 1,280
- 8.0 FIRE RESISTANCE RATING OF STRUCTURAL ELEMENTS
 REFER TO CONSTRUCTION DOCUMENTS FOR THE FOLLOWING:

- 8.1 Exterior Walls: 0 HRS
- 8.1.1 Load Bearing (Tbl. 601): 0 HRS
- 8.1.2 Non Load Bearing (Tbl. 602): 0 HRS
- 8.2 Fire Walls and Party Walls (Tbl. 705.4): 0 HRS
- 8.3 Fire Separation Assemblies:
 8.3.1 Fire enclosure of exits (1019.1): 1 HR
 8.3.2 Shafts (707.4): 1 HR
 8.3.3 Mixed Use Separation (Tbl. 302.3.2): 0 HRS
 8.3.4 Other Separation Assemblies (Tbl. 706.3.7): 0 HR
- 8.4 Fire Partitions (708.3): 1 HR
- 8.5 Dwelling Unit Separations: NA
- 8.6 Smoke Barriers (709.3): NA
- 8.7 Other Non Bearing Partitions (710.3): 0 HRS
- 8.8 Interior Bearing Walls, Bearing Partitions, Columns, Girders, Trusses and Framing (Tbl. 601): 0 HRS
- 8.8.1 Supporting more than one floor: 0 HRS
- 8.8.2 Supporting one floor only or a roof: 0 HRS
- 8.8.3 Structural members supporting wall: 0 HRS
- 8.9 Floor Construction Including Beams (Tbl. 601): 0 HRS
- 8.10 Roof Construction (Tbl. 601): 0 HRS
- 8.10.1 Height to lowest member < 15 ft.: 0 HRS
- 8.10.2 Height to lowest member > 15 ft.: 0 HRS
- 8.10.3 Height to lowest member >= 20 ft.: 0 HRS

- 9.0 FIRE PROTECTION SYSTEM (Chapter 9), entire building:
 9.1 Fire Suppression System: Automatic Sprinkler System
 9.2 Alarms: Automatic, Audible/Visible
 9.3 Automatic Fire Detection System: Provided
 9.4 Smoke Control System: Not Required
 9.5 Supervision: Provided
- 10. MODIFICATIONS: None
- 11. ACCESSIBLE BUILDING: YES (ACCESSIBLE ELEVATOR)
- 12. MINIMUM PLUMBING FIXTURE COUNT (IPC Chapter 4):

	REQUIRED	PROPOSED
"B" Business Total:	435	
Male WC:	(1/25 for first 50, 1/50 for remainder >50)	7
Female WC:	(1/25 for first 50, 1/50 for remainder >50)	8
Lavatories:	(1/40 for first 50, 1/80 for remainder >50)	6
DF:	445 / 500	2
Service Sink:		3
Showers:		1

International Energy Conservation Code, 2009, With 2011 Amendment
 State Public Health Code
 OSHA / Title 29
 Section 504, Rehabilitation Act 1973 With UFAS
 Americans With Disabilities Act, 2010
 2003 ICC / ANSI A117.1

STATE FIRE SAFETY CODE
 International Fire Code 2003
 NFPA 1, Uniform Fire Code 2003
 NFPA 101, Life Safety Code 2003
 NFPA 70, 2005
 Connecticut Supplement 2005, 2009
 2012 Amendment

- 1.0 CLASSIFICATION OF OCCUPANCY (Chapter 6): Business
- 2.0 CONSTRUCTION CLASSIFICATION: II-B
- 3.0 MINIMUM CONSTRUCTION TYPE REQUIRED: II-B
- 4.0 ACTUAL CONSTRUCTION TYPE PROVIDED: II-B
- 5.0 NOTIFICATIONS/ALARMS (Chapter 9): Audible/Visual
- 6.0 DETECTION (Chapter 9): Smoke/Heat Where Required
- 7.0 EXTINGUISHMENT REQUIREMENTS (Chapter 9): Automatic Sprinkler System

SUPPLEMENTAL BID NUMBER 1

CODE SHEET SUPP BID		STATE OF CONNECTICUT DEPARTMENT OF CONSTRUCTION SERVICES	
REVISIONS		drawings prepared by	NORTHEAST COLLABORATIVE ARCHITECTS 500 PLAZA MIDDLESEX MIDDLETOWN, CT 06457
mark	date	description	date 04/14/2015 scale AS NOTED
			drawn by MJP approved by JDB drawing no.
CAD no.		project no.	Northwestern Connecticut Community College Joyner Hall 100 South Main Street Winsted, CT project no. BI-CTC-427

G-010.S