



Project: Castleberry ISD High School Addition
Project No: 2359

September 19, 2024
Addendum No. 1

The following items modify the drawings and specifications and shall become a part of the contract documents.

PRE-BID RFI

QUESTION NO. 1.

Q. Sheet A111 has been corrupted in the drawing set. Please reissue in Addendum #1.

A. Sheet added in Addendum #1

QUESTION NO. 2.

Q. Specification Section 08 87 00, Part 2.2, E calls for film colors and patterns to be "selected by Architect from manufacturer's full range." However, the patterned film specified in Part 2.2, D carries different costs for different patterns; therefore, a basis of design pattern is required for accurate pricing. Please indicate what pattern is desired.

A. Our Finish schedule calls for the ". See A900.1 for finish schedule

QUESTION NO. 3.

Q. Details on A625 show "1/4" carbon steel perforated panel...powder coated PT-1." The perforations will make 100% coverage with powder coating highly improbable, and the partially coated or uncoated steel will be susceptible to rusting. Would it be acceptable to post-paint the guard rails in lieu of powder coating?

A. Powder coat all perforated panels as shown in detail on A625.

QUESTION NO. 4.

Q. Are the existing spaces where renovations are occurring currently sprinkled (Units E and F, primarily)?

A. No the existing unit E and F aren't sprinklered currently.

QUESTION NO. 5.

Q. Specification Section 07 81 00 has been provided for Applied Fireproofing; however, G302 indicates that this Type of Construction is Type II-B, requiring 0 hours of fire resistance. Please indicate where this specification is to apply.

A. Based on alternates selected by the client, the applied fireproofing will be applied in any areas required in the existing construction (Unit D, E, F, H)

QUESTION NO. 6.

Q. Specification Section 12 61 00 has been provided for Fixed Audience Seating; however, this work is not shown in the drawings. Please indicate where this specification is to apply.

A. Specification section removed. Not in scope.

QUESTION NO. 7.

Q. Note UF-2 of the Building Pad Preparation & Foundation notes on S101 states to "remove soil per Geotechnical Report to achieve the PVR mentioned in UF-10." Note UF-4 states to "bring the building pad to underside of slab with select structural fill as specified per the Geotechnical Report to achieve a max. PVR listed in UF-10." The Geotechnical Report does not indicate how much select structural fill is required below the building slabs. Please clarify what the building pad preparation is to consist of.

A. Organic and deleterious materials are required to be removed for the building pad preparation per UF-2. After the soil removal, non-expansive select fill shall be used bring the building pad to underside of slab per UF-10 and Geotech report 5.3.1. Except for the connector building (Unit C), no other soil improvement is required. See Geotech report 5.3.2 for building pad preparation of Unit C.

QUESTION NO. 8.

Q. Please provide structural drawings for Unit Z (Guard Shack).

A. See details 5 & 11 on sheet S111.

QUESTION NO. 9.

Q. It appears that Plumbing Fixture P1 is missing some information in the Plumbing Schedule. Please clarify what this plumbing fixture is.

A. P1 Fixture will be updated in Addendum #1

QUESTION NO. 10.

Q. Note 35 on PD201 calls to replace plumbing fixtures, etc.; however, this note is called out in greyed-out areas that were understood not to be in the scope of this project. Please clarify if this work is to be included.

A. Notes are not needed and will be removed in Addendum #1

QUESTION NO. 11.

Q. Specification Section 10 14 27 is provided for a Marquee Pylon Sign; however, it does not provide any information for the electronic message display that is identified. Please provide information related to this sign including resolutions, etc.

A. Refer to updated specification section 10 15 00 – Video display systems for required information.

SUBSTITUTION REQUEST

ITEM NO. 12. DIVISION 07 – 07 46 16 – ALUMINIUM SOFFITS (FORME)

A. Substitution request approved as noted. See attached Substitution form.

ITEM NO. 13. DIVISION 09 – 09 56 61 – FLOORING PREP (SINAK)

A. Substitution request Rejected – Use specified item. See attached Substitution form.

ITEM NO. 14. DIVISION 09 – 09 65 66 – RESILIENT ATH FLOORING (DYNAFIT)

A. Substitution request Rejected – Use specified item. See attached Substitution form.

ITEM NO. 15. DIVISION 10 – 10 51 00 – LOCKERS (LOCKERS MFG)

A. Rejected. Please send appropriate substitution form.

SPECIFICATION

ITEM NO. 16. DIVISION 00 – 00 01 07 – PROFESSIONAL SEALS PAGE

A. *Add professional seals page as indicated.*

ITEM NO. 17. DIVISION 00 – 00 01 10 – TABLE OF CONTENTS

B. *Update table of contents.*

ITEM NO. 18. DIVISION 08 – 08 71 00 – DOOR HARDWARE

A. *Reissue hardware specification section in its entirety.*

ITEM NO. 19. DIVISION 08 – 08 71 00A – DOOR HARDWARE SCHEDULE

A. *Update Specification section as indicated. B000.2 to be moved from hardware set 2.0 to 1.0*

ITEM NO. 20. DIVISION 08 – 08 87 00 – GLAZING SURFACE FILMS

A. *Update part 2.2 D of specification as indicated.*

ITEM NO. 21. DIVISION 10 – 10 15 00 – VISUAL DISPLAY SYSTEMS

A. *Add specification section 10 15 00 – Visual Display Systems in its entirety.*

ITEM NO. 22. DIVISION 12 – 12 51 00 – FIXED AUDIENCE SEATING

A. *Remove specification section 12 51 00 – Fixed Audience Seating in its entirety.*

DRAWINGS

STRUCTURAL

ITEM NO. 23. DRAWING SHEET – S101 – STRUCTURAL NOTES

A. *UF-10: ADDED INFO FOR BUILDING PAD PREPARATION.*

ITEM NO. 24. DRAWING SHEET – S111 – SITE PLANS AND DETAILS

A. *UPDATED DETAILS*

ITEM NO. 25. DRAWING SHEET – S120 – SITE PLANS AND DETAILS

A. *DETAIL 13: REVISED FOOTING STEPS*

B. *DETAIL 9, 15, AND 18: ADDED UNIT E RETAINING PLAN AND DETAILS*

ITEM NO. 26. DRAWING SHEET – S120 – SITE PLANS AND DETAILS

A. *DETAIL 4: ADDED DETAIL*

B. *DETAIL 7 : UPDATED DETAIL*

ITEM NO. 27. DRAWING SHEET – S121 – SITE PLANS AND DETAILS

A. *ADDED DETAILS 4 AND 19*

B. *UPDATED DETAILS*

ITEM NO. 28. DRAWING SHEET – S201.1 – FOUNDATION AND GROUND FLOOR PLAN -UNIT A.1

A. *DETAIL 1: UPDATED COL MARK*

ITEM NO. 29. DRAWING SHEET – S201.2 – FOUNDATION AND GROUND FLOOR PLAN -UNIT A.2

B. *DETAIL 1: UPDATED COL ORIENTATION ON PLAN*

ITEM NO. 30. DRAWING SHEET – S202.1 – LEVEL 2 FRAMING PLAN-UNIT A.1

- A. *DETAIL 1: UPDATED BEAM SIZE*

ITEM NO. 31. DRAWING SHEET – S202.2 – LEVEL 2 FRAMING PLAN-UNIT A.2

- A. *DETAIL 1: UPDATED BEAM SIZE*

ITEM NO. 32. DRAWING SHEET – S202R.1 – ROOF FRAMING PLAN -UNIT A.1

- A. *DETAIL 1: ADDED COL TOP BRACING ANGLE*

ITEM NO. 33. DRAWING SHEET – S202R.2 – ROOF FRAMING PLAN -UNIT A.2

- A. *DETAIL 1: UPDATE BEAM SIZE AND CONNECTION DESIGN FORCES*

ITEM NO. 34. DRAWING SHEET – S207 – LEVEL 1 FRAMING PLAN-UNIT C

- A. *DETAIL 1: UPDATE BEAM SIZE*

ITEM NO. 35. DRAWING SHEET – S223 – STORM SHELTER ROOF FRAMING PLAN -UNIT B

- A. *DETAIL 15: UPDATE ROOF UNITS*

ITEM NO. 36. DRAWING SHEET – S304 – CONCRETE DETAILS

- A. *DETAIL 18: ADDED DETAIL*

ITEM NO. 37. DRAWING SHEET – S501 – TYPICAL STEEL DETAILS

- A. *DETAIL 2: UPDATED COLUMN SCHEDULE*

ITEM NO. 38. DRAWING SHEET – S521 – VERTICAL BRACE RAME ELEVATIONS

- A. *DETAIL 3, 4, AND 8: UPDATED VERTICAL BRACES*

DEMO ARCHITECTURAL

ITEM NO. 39. DRAWING SHEET – AD100 – OVERALL SITE DEMO PLAN

- A. *Add removal of paving and parking striping, as indicated in plan.*
B. *Add demo notes in legend.*

ARCHITECTURAL

ITEM NO. 40. DRAWING SHEET – A100 – OVERALL SITE PLAN

- A. *Add graphics for site speed tables as indicated in the student parking.*
B. *Revised graphics as shown.*
C. *Remove landscape planter as indicated.*

ITEM NO. 41. DRAWING SHEET – A111 – ENLARGED SITE PLAN

- A. *Update sheet graphics as shown.*

ITEM NO. 42. DRAWING SHEET – A112 – ENLARGED SITE PLAN

- A. *Detail #1: Remove/revise site benches and site walls, as indicated in plan. Revise location of trees as indicated on plan. Revise fire and water line as indicated in plan.*

ITEM NO. 43. DRAWING SHEET – A113 – ENLARGED SITE PLAN

- A. *Detail #5: Revise keynote and location of handrail as indicated.*
B. *Detail #6: Revise keynotes as indicated, and revise graphics as shown.*

ITEM NO. 44. DRAWING SHEET – A114 – ENLARGED SITE PLAN

- A. Detail #5: Revise keynote and location of handrail as indicated.
- B. Detail#5: Indicate French drain along existing building as shown.

ITEM NO. 45. DRAWING SHEET – A115 – ENLARGED SITE PLAN

- A. Detail #1, 2: Revise dimensioning as indicated on sections.

ITEM NO. 46. DRAWING SHEET – A116 – ENLARGED SITE PLAN

- A. Detail #1: Revise graphics and dimensioning as indicated on plan.

ITEM NO. 47. DRAWING SHEET – A117 – ENLARGED SITE PLAN

- A. Detail #1: Remove landscape planter as indicated in plan.
- B. Detail #1: Revise graphics as indicated by ramp. Add keynotes as indicated.

ITEM NO. 48. DRAWING SHEET – A118 – ENLARGED SITE PLAN

- A. Detail #1: Revise Fire Lane striping as indicated.
- B. Detail #2: Keynote speed table as indicated.

ITEM NO. 49. DRAWING SHEET – A119 – ENLARGED SITE PLAN

- A. Detail #1: Revise site wall and planter benches as indicated and remove tree as indicated.
- B. Detail #2: Revise planter walls as indicated.
- C. Detail #3: Revise stair dimensions and handrail as indicated.
- D. Detail #4: Revise detail as indicated.

ITEM NO. 50. DRAWING SHEET – A120 – SITE PLAN DETAILS

- A. Detail #5: Revise keynote for concrete finish as indicated.

ITEM NO. 51. DRAWING SHEET – A121 – SITE PLAN DETAILS

- A. Detail #2, 3, 5, 6: Revise rough opening sizes for display screen in marquee sign as indicated.
- B. Detail #14: Revise keynote for concrete finish as indicated.

ITEM NO. 52. DRAWING SHEET – A122 – SITE PLAN DETAILS

- A. Detail #5: Update notes as indicated.
- B. Detail #9, 10: Update Keynotes on guardrail as indicated.

ITEM NO. 53. DRAWING SHEET – A123 – SITE PLAN WALL SECTIONS

- A. Detail #3, 5, 6, 8: revise sections as indicated.
- B. Detail #4, 9: revise keynotes and dimensions as indicated.

ITEM NO. 54. DRAWING SHEET – A124 – SITE PLAN WALL SECTIONS

- A. Detail #3, 4, 7: Revise details as indicated.
- B. Detail#5: Remove detail in its entirety.
- C. Detail#1: Revise keynote as indicated.
- D. Detail# 9, 10: Revise dimensions as indicated.

ITEM NO. 55. DRAWING SHEET – A125 – SITE PLAN WALL SECTIONS

- A. Detail #1, 2, 3, 8: Revise walls sections as indicated.
- B. Detail# 5, 6, 7: Revise keynotes as indicated.
- C. Detail# 4: Revise finish on wall and grading as indicated.

ITEM NO. 56. DRAWING SHEET – A201.1 – FLOOR PLAN LEVEL 1 UNIT A.1

A. *Revise wall to go to deck in room A140 (Cust.).*

ITEM NO. 57. DRAWING SHEET – A202.1 – FLOOR PLAN LEVEL 2 UNIT A.1

A. *Add new glass board type G8 as indicated.*

ITEM NO. 58. DRAWING SHEET – A203 – FLOOR PLAN LEVEL 0 UNIT B

A. *Door B000.2 to receive access control as indicated.*

ITEM NO. 59. DRAWING SHEET – A204 – FLOOR PLAN LEVEL 1 UNIT B

A. *Show gridline B9.1 and adjust dimensioning.*

ITEM NO. 60. DRAWING SHEET – A206 – FLOOR PLAN LEVEL 0.5 UNIT C

A. *Show gridline B9.1 and adjust dimensioning.*

ITEM NO. 61. DRAWING SHEET – A207 – FLOOR PLAN LEVEL 1 UNIT C

A. *Show gridline B9.1 and adjust dimensioning.*

ITEM NO. 62. DRAWING SHEET – A209 – FLOOR PLAN LEVEL 0 UNIT D

A. *Revise keynote for mirrors as indicated.*

ITEM NO. 63. DRAWING SHEET – A242 – PLAN DETAILS

A. *Detail #19: Revise graphics as indicated.*

ITEM NO. 64. DRAWING SHEET – A243 – PLAN DETAILS

B. *Detail #1, 2, 3: Revise graphics as indicated.*

ITEM NO. 65. DRAWING SHEET – A245 – PLAN DETAILS

C. *Detail #6: Show Gridline B9.1, update wall thickness and add wood blocking as indicated.*

ITEM NO. 66. DRAWING SHEET – A247 – PLAN DETAILS

A. *Detail #5,6: Remove wood blocking as indicated.*

ITEM NO. 67. DRAWING SHEET – A301 – DOOR SCHEDULE

- A. *Revise hardware set for door B000.2*
- B. *Revise door types on B000.2 and B000.3*

ITEM NO. 68. DRAWING SHEET – A302 – DOOR SCHEDULE

A. *Revise head frame width of door D101.*

ITEM NO. 69. DRAWING SHEET – A303 – FRAME TYPES & PARTITION DETAILS

A. *Revise detail for door type FG2A as indicated.*

ITEM NO. 70. DRAWING SHEET – A304 – FRAME TYPES

A. *Revise curtain wall C07 as indicated.*

ITEM NO. 71. DRAWING SHEET – A306 – FRAME TYPES

A. *Add security film to S02 and S03 as indicated.*

ITEM NO. 72. DRAWING SHEET – A405 – EXTERIOR ELEVATIONS

A. *Detail #1: Revise brick coursing as indicated and extend view.*

B. Detail #4: Revise metal panel on elevation as indicated.

ITEM NO. 73. DRAWING SHEET – A406 – EXTERIOR ELEVATIONS

- A. Detail #2: Revise brick ledges as indicated. revise keynote on guardrails as indicated.
- B. Detail #4: Add new downspouts on existing elevation as indicated. Add new hose bib and keynote. Add keynotes for cast iron Boots as indicated.

ITEM NO. 74. DRAWING SHEET – A407 – EXTERIOR ELEVATIONS

- A. Detail #2: Add keynotes and dimensions as indicated.

ITEM NO. 75. DRAWING SHEET – A505 – WALL SECTIONS – UNIT A

- A. Detail #4: Remove ceiling as indicated.

ITEM NO. 76. DRAWING SHEET – A506 – WALL SECTIONS – UNIT A

- B. Detail #4: Remove ceiling and extend wall to deck as indicated. Add spray foam insulation on corner.

ITEM NO. 77. DRAWING SHEET – A514 – WALL SECTIONS – UNIT B

- A. Detail #2: Revise graphics as indicated.

ITEM NO. 78. DRAWING SHEET – A605 – STAIR PLANS AND DETAILS

- A. Detail #1: show gridline B9.1 as indicated.

ITEM NO. 79. DRAWING SHEET – A608 – STAIR PLANS AND DETAILS

- B. Detail #1: Revise graphics as indicated.

ITEM NO. 80. DRAWING SHEET – A624 – GUARDRAILS ELEVATIONS

- A. Detail #3: Revise graphics and update dimensions as indicated.

ITEM NO. 81. DRAWING SHEET – A801.1 – RCP LEVEL 1 UNIT A.1

- A. Detail #1: Remove ceilings in room A134 (IDF) and room A140 (Cust.) and switch light fixtures to pendant linear fixtures as indicated.
- B. Detail #1: Add light fixture in corridor as indicated.
- C. Detail #1: Revise keynote for cable trays as indicated.

ITEM NO. 82. DRAWING SHEET – A802.1 – RCP LEVEL 2 UNIT A.1

- A. Detail #1: Remove ceiling in room A226 (Cust.) and switch light fixture to pendant linear fixtures as indicated.
- B. Detail #1 :Add return as indicated, Revise keynote for cable trays as indicated.

ITEM NO. 83. DRAWING SHEET – A802.2 – RCP LEVEL 2 UNIT A.2

- A. Detail #1: Remove ceiling in room A217 (IDF) and switch light fixtures to pendant linear fixture as indicated.

ITEM NO. 84. DRAWING SHEET – A803 – RCP LEVEL 0 UNIT B – STORM SHELTER GYM

- A. Detail #1: Remove ceiling in room B015 (Jan.) and switch light fixtures to pendant linear fixture as indicated.

ITEM NO. 85. DRAWING SHEET – A804 – RCP LEVEL 1 UNIT B

- A. Detail #1: Remove ceilings in room B105 (IDF) and room B110 (Cust.) and switch light fixtures to pendant linear fixtures as indicated.

ITEM NO. 86. DRAWING SHEET – A805 – RCP LEVEL 2 UNIT B

- A. *Detail #1: Remove ceilings in room B205 (IDF) and room B210 (Cust.) and switch light fixtures to pendant linear fixtures as indicated.*
- B. *Remove smoke vent and keynote as indicated.*

ITEM NO. 87. DRAWING SHEET – A809 – RCP LEVEL 0 UNIT D

- A. *Detail #1: Add return in corridor as indicated.*

ITEM NO. 88. DRAWING SHEET – A809 – RCP LEVEL 0.5 UNIT E

- B. *Detail #1: Remove ceiling in room E104 (IDF) and switch light fixture to pendant linear fixtures as indicated.*

ITEM NO. 89. DRAWING SHEET – A810 – RCP LEVEL 1 UNIT E

- A. *Detail #1: Remove ceilings in room E201 (IDF), room E221 (Janitor) and switch light fixtures to pendant linear fixtures as indicated.*
- B. *Detail #1: Add elevation tags for ceilings as indicated. Add new wall packs as shown.*

ITEM NO. 90. DRAWING SHEET – A812 – RCP LEVEL 1 UNIT H

- A. *Detail #1: Add Keynote as indicated.*

ITEM NO. 91. DRAWING SHEET – A815 – ENLARGED RCP

- B. *Detail #3: Remove ceiling in room B210 (Cust.) and switch light fixture to pendant linear fixtures as indicated.*
- C. *Detail #4: Remove ceiling in room E104 (IDF) and switch light fixture to pendant linear fixtures as indicated.*

ITEM NO. 92. DRAWING SHEET – A816 – ENLARGED RCP

- A. *Detail #3: Remove ceiling in room B004 (IDF) and switch light fixture to pendant linear fixtures as indicated.*

ITEM NO. 93. DRAWING SHEET – A817 – ENLARGED RCP

- A. *Detail #6: Revise light fixtures to be interior as indicated.*

ITEM NO. 94. DRAWING SHEET – A818 – ENLARGED RCP

- A. *Detail #4: Remove ceiling in room E221 (Janitor) and switch light fixture to pendant linear fixtures as indicated.*

ITEM NO. 95. DRAWING SHEET – A819 – ENLARGED RCP

- A. *Detail #5: Remove ceiling in room A226 (Cust.) and switch light fixture to pendant linear fixtures as indicated.*

ITEM NO. 96. DRAWING SHEET – A900.1 – FINISH SCHEDULE

- A. *Revise schedule as indicated.*

ITEM NO. 97. DRAWING SHEET – A903 – FINISH FLOOR PLAN LEVEL 0 UNIT B

- A. *Revise extent of flooring over threshold as indicated on plan. Revise furring wall.*

ITEM NO. 98. DRAWING SHEET – A907 – FINISH FLOOR PLAN LEVEL 1 UNIT C

- A. *Detail #2: Revise material for upholstery as indicated on the stair seating*

ITEM NO. 99. DRAWING SHEET – A923 – ENLARGED FINISH PLAN

- A. *Detail #1: Revise graphics of view as indicated.*

ITEM NO. 100. DRAWING SHEET – A924 – INTERIOR AXON VIEW

- A. *Detail #6, 7: Revise keynotes as indicated.*

ITEM NO. 101. DRAWING SHEET – A925 – INTERIOR AXON VIEWS

- A. *Detail #1: Revise material for upholstery as indicated on the stair seating.*
- B. *Detail #1, 2: Revise graphics as indicated.*
- C. *Detail #4: Add reference detail.*

ITEM NO. 102. DRAWING SHEET – A926 – INTERIOR AXON VIEWS

- A. *Detail #1, 2, 3, 4, 5: Annotate view as indicated.*

ITEM NO. 103. DRAWING SHEET – A927 – INTERIOR AXON VIEWS

- A. *Detail #3, 4, 5: Annotate view as indicated.*

ITEM NO. 104. DRAWING SHEET – A928 – INTERIOR AXON VIEWS

- A. *Detail #1, 2, 4, 5: Annotate view as indicated.*

ITEM NO. 105. DRAWING SHEET – A941 – INTERIOR ELEVATIONS

- A. *Detail #10: Annotate view as indicated.*
- B. *Detail # 11: remove keynote.*

ITEM NO. 106. DRAWING SHEET – A942 – INTERIOR ELEVATIONS

- A. *Detail #5: Add G8 glass board type to elevation as indicated.*
- B. *Detail # 6, 8, 10: remove keynote.*

ITEM NO. 107. DRAWING SHEET – A943 – INTERIOR ELEVATIONS

- A. *Detail #10: Revise furring wall and adjusted wainscot.*
- B. *Detail #4, 9, 7: remove keynote.*

ITEM NO. 108. DRAWING SHEET – A945 – INTERIOR ELEVATIONS

- A. *Detail #1: Revise location and size of mirror on wall as indicated.*
- B. *Detail # 3, 4, 9, 10: remove keynote.*

ITEM NO. 109. DRAWING SHEET – A946 – INTERIOR ELEVATIONS

- A. *Detail #12: Revise location and size of mirror on wall as indicated.*

ITEM NO. 110. DRAWING SHEET – A948 – INTERIOR ELEVATIONS

- A. *Detail #12: Remove Keynote.*

ROOFING

ITEM NO. 111. DRAWING SHEET – R1.1 – ROOF PLAN

- A. *Add new downspouts as indicated on plan. Graphically indicate location of condenser unit on roof plan.*

ELECTRICAL

ITEM NO. 112. DRAWING SHEET – ES201 - ELECTRICAL SITE PLAN

- A. *Update tech notes.*
- B. *Remove extra transformers.*
- C. *Update Site lighting.*
- D. *Update Plan notes.*

ITEM NO. 113. DRAWING SHEET – EP211 - ELECTRICAL FLOOR PLAN – LEVEL 1.5 UNIT F

- A. *Remove Exhaust Fan.*

ITEM NO. 114. DRAWING SHEET – EP601 - ELECTRICAL ROOF PLAN

- A. *Update HVAC and EF unit tags.*

ITEM NO. 115. DRAWING SHEET – EP602 - ELECTRICAL ROOF PLAN

- A. *Existing HVAC shown.*
- B. *Update HVAC location.*
- C. *Add plan notes*

ITEM NO. 116. DRAWING SHEET – EP802 - ELECTRICAL PANELBOARD SCHEDULES

- A. *Circuits update in AHAC3*

ITEM NO. 117. DRAWING SHEET – EP803 - ELECTRICAL PANELBOARD SCHEDULES

- A. *Circuits update in BHAC, BHAC2*

ITEM NO. 118. DRAWING SHEET – EP804 - ELECTRICAL PANELBOARD SCHEDULES

- A. *Circuits update in SL, SL2*

ITEM NO. 119. DRAWING SHEET – EP805 - ELECTRICAL PANELBOARD SCHEDULES

- A. *Circuits update in 2BHAC, 2BHAC2*

ITEM NO. 120. DRAWING SHEET – EP806 - ELECTRICAL PANELBOARD SCHEDULES

- A. *Circuits update in 2SL,2SL*

ITEM NO. 121. DRAWING SHEET – EP807 - ELECTRICAL PANELBOARD SCHEDULES

- A. *Circuits update in HL, EDP, FL2*

ELECTRICAL COMMUNICATIONS

ITEM NO. 122. DRAWING SHEET – ET200 – ELECTRICAL COMMUNICATIONS – SITE PLAN

- A. *Update card reader locations.*

ITEM NO. 123. DRAWING SHEET – ET201.1 – ELECTRICAL COMMUNICATIONS – LEVEL 1 UNIT A.1

- A. *Update Plan Note.*
- B. *Update card reader locations.*
- C. *Update lockdown button location.*

ITEM NO. 124. DRAWING SHEET – ET201.2 – ELECTRICAL COMMUNICATIONS – LEVEL 1 UNIT A.2

- A. *Add cable tray.*

B. *Update Plan note.*

ITEM NO. 125. DRAWING SHEET – ET202.1 – ELECTRICAL COMMUNICATIONS – LEVEL 2 UNIT A.1

A. *Update Plan note.*

B. *Update camera locations.*

ITEM NO. 126. DRAWING SHEET – ET203 – ELECTRICAL COMMUNICATIONS – LEVEL 0 UNIT B

A. *Update camera and card reader locations.*

ITEM NO. 127. DRAWING SHEET – ET204 – ELECTRICAL COMMUNICATIONS – LEVEL 1 UNIT B

A. *Update camera locations.*

ITEM NO. 128. DRAWING SHEET – ET205 – ELECTRICAL COMMUNICATIONS – LEVEL 2 UNIT B

A. *Update camera locations.*

ITEM NO. 129. DRAWING SHEET – ET701 – ELECTRICAL COMMUNICATIONS – DETAILS, SYMBOLS & GENERAL NOTES

A. *Update Data Schedule.*

ITEM NO. 130. DRAWING SHEET – ET702 – ELECTRICAL COMMUNICATIONS – DETAILS, SYMBOLS & GENERAL NOTES

A. *Update premise intruder alarm schedule.*

B. *Update building access control schedule*

LIGHTING

ITEM NO. 131. DRAWING SHEET – EL201.1 – LIGHTING CEILING PLAN LEVEL 1 UNIT A.1

A. *Update Fixture types in A134 and A140.*

ITEM NO. 132. DRAWING SHEET – EL202.1 – LIGHTING CEILING PLAN LEVEL 2 UNIT A.1

A. *Update Fixture types in A226.*

ITEM NO. 133. DRAWING SHEET – EL202.2 – LIGHTING CEILING PLAN LEVEL 2 UNIT A.2

A. *update Fixture types in A217.*

ITEM NO. 134. DRAWING SHEET – EL203 – LIGHTING CEILING PLAN LEVEL 0 UNIT B

A. *update Fixture types in B004 and B015.*

ITEM NO. 135. DRAWING SHEET – EL204 – LIGHTING CEILING PLAN LEVEL 1 UNIT B

A. *update Fixture types in B105 and B110.*

ITEM NO. 136. DRAWING SHEET – EL205 – LIGHTING CEILING PLAN LEVEL 2 UNIT B

A. *update Fixture types in B205 and B210.*

ITEM NO. 137. DRAWING SHEET – EL209 – LIGHTING CEILING PLAN LEVEL 0.5 UNIT E

A. *Fixture types updated in E104.*

ITEM NO. 138. DRAWING SHEET – EL210 – LIGHTING CEILING PLAN LEVEL 1 UNIT E

A. *Fixture types updated in E201 and E221.*

MECHANICAL

ITEM NO. 139. DRAWING SHEET – MD201 MECHANICAL DEMOLITION FLOOR PLAN LEVEL 1 UNIT D

- A. *Removed existing return and supply grilles*

ITEM NO. 140. DRAWING SHEET – MH201.1 MECHANICAL FLOOR PLAN LEVEL 1 UNIT A.1

- A. *Added fire dampers see revised sheet.*

ITEM NO. 141. DRAWING SHEET – MH201.2 MECHANICAL FLOOR PLAN LEVEL 1 UNIT A.2

- A. *Added plan note see revised sheet.*

ITEM NO. 142. DRAWING SHEET – MH202.1 MECHANICAL FLOOR PLAN LEVEL 2 UNIT A.1

- A. *See revised sheet layout.*
- B. *Added fire dampers.*
- C. *Added plan note.*

ITEM NO. 143. DRAWING SHEET – MH202.2 MECHANICAL FLOOR PLAN LEVEL 2 UNIT A.2

- A. *See revised sheet layout.*

ITEM NO. 144. DRAWING SHEET – MH203 MECHANICAL FLOOR PLAN LEVEL 0 UNIT B

- A. *Added plan note See revised sheet.*

ITEM NO. 145. DRAWING SHEET – MH204 MECHANICAL FLOOR PLAN LEVEL 1 UNIT B – Alt#9

- A. *See revised sheet layout.*

ITEM NO. 146. DRAWING SHEET – MH205 MECHANICAL FLOOR PLAN LEVEL 2 UNIT B

- A. *Added storm louver tags See revised sheet layout.*

ITEM NO. 147. DRAWING SHEET – MH206 MECHANICAL FLOOR PLAN LEVEL 0.5 UNIT C

- A. *Added fire dampers see sheet layout.*
- B. *Revised duct layout.*

ITEM NO. 148. DRAWING SHEET – MH207 MECHANICAL FLOOR PLAN LEVEL 1 UNIT C

- A. *Added fire dampers see sheet layout.*
- B. *Tagged return grille.*
- C. *Revised ductwork layout.*

ITEM NO. 149. DRAWING SHEET – MH208 MECHANICAL FLOOR PLAN LEVEL 0.5 UNIT D

A. *Tagged supply grille with CFM see sheet layout.*

ITEM NO. 150. DRAWING SHEET – MH210 MECHANICAL FLOOR PLAN LEVEL 0.5 UNIT E

A. *Revised ductwork layout see sheet layout.*

ITEM NO. 151. DRAWING SHEET – MH211 MECHANICAL FLOOR PLAN LEVEL 1 UNIT E

A. *Revised ductwork layout see sheet layout.*

ITEM NO. 152. DRAWING SHEET – MH213 MECHANICAL FLOOR PLAN LEVEL 1.5 UNIT H

A. *Revised ductwork layout see sheet layout.*

ITEM NO. 153. DRAWING SHEET – MH601 MECHANICAL ROOF PLAN

A. *Tag equipment missing tags*

B. *Moved A/C 1 to roof see sheet for new location.*

ITEM NO. 154. DRAWING SHEET – MH801 MECHANICAL SCHEDULE

A. *See updated RTU schedule.*

ITEM NO. 155. DRAWING SHEET – MH802 MECHANICAL SCHEDULE

A. *See updated fan schedule*

PLUMBING

ITEM NO. 156. DRAWING SHEET – PD201 PLUMBING DEMOLITION FLOOR PLAN LEVEL 0 UNIT D

A. *Removed tags on fixtures that are not to be in the scope.*

ITEM NO. 157. DRAWING SHEET – PL203 PLUMBING FLOOR PLAN LEVEL 0 UNIT B

A. *Added a keynote for clarity and pipe size tags for clarity.*

ITEM NO. 158. DRAWING SHEET – PL210 PLUMBING FLOOR PLAN LEVEL 0.5 UNIT E

A. *Added a fixture tag and key not for clarity.*

B. *Added notes for stub outs to be moved.*

C. *Added a new hose bib and piping.*

ITEM NO. 159. DRAWING SHEET – PL211 PLUMBING FLOOR PLAN LEVEL 0 UNIT B

A. *Removed excess piping that was not on floor plan.*

B. *Change condensate lines to show as existing.*

C. *Moved condensate lines to be a correct unit.*

ITEM NO. 160. DRAWING SHEET – PL601 PLUMBING ROOF PLAN

A. *Added Unit E roof plan.*

B. *Added tags for regulators.*

ITEM NO. 161. DRAWING SHEET – PL801 PLUMBING SCHEDULES

A. *Added Solenoid Valve Box name for clarity.*

END OF ADDENDUM NO.1

If enclosures or attachments listed are noted attached, please notify WRA immediately.

Sincerely,



Nandita Rajakumar, AIA, NCARB



09/19/2024

Project Name:	<input type="text" value="Castleberry ISD High School Addition"/>	Date of Request:	<input type="text" value="09/12/2024"/>
Architect:	WRA Architects, Inc. 12377 Merit Drive, Suite 1800 Dallas, Texas 75251 214.750.0077 www.wraarchitects.com	Requesting Company:	Omnis Panel representing ForMe
		Address:	1717 N Naper Blvd # 100, Naperville, IL 60563
Spec. Section No:	<input type="text" value="074616"/>	Contact Name:	Joel Brummel
Spec. Section Name:	Aluminum Soffits	Phone Number:	269-720-1406
		Email Address:	joel.brummel@omnisusa.com

Reason for Not Providing Specified Item: we want to bid this project

History of Proposed Material: New Product 2-5 years old 5-10 years old More than 10 years old

Similar Installation - Project: Address: Architect: Date Installed: Owner:

Savings to Owner for Accepting Substitution: (\$)
Proposed Substitution Changes in Contract Time: [+] [-] () days

Please fill out information on BOTH the specified item AND the proposed substitution in order for the substitution request to be processed.

Specified Item


Proposed Substitution

Product Name:	<input type="text" value="Knotwood"/>	Product Name:	<input type="text" value="ForMe Cladding 150"/>
Product Description:	<input type="text" value="Powder coated front, wood grain extruded aluminum system for exterior and interior soffit. Clip or direct substrate attachment."/>	Product Description:	<input type="text" value="Fully powder coated wood grain extruded aluminum system for exterior and interior soffit. Clip and Gasket system for proper fit and reduced wind chatter on Soffit. 6306 T6 Aluminum"/>
Manufacturer:	<input type="text" value="OmniMax International"/>	Manufacturer:	<input type="text" value="ForMe SLR - A DVF Company"/>
Address:	<input type="text" value="30 Technology Pkwy S, Peachtree Corners, GA 30092"/>	Address:	<input type="text" value="S.S. 275 km. 14,400 Surano (Le) Italy"/>
Trade Name:	<input type="text" value="Knotwood Cladding system"/>	Trade Name:	<input type="text" value="ForMe Cladding 150"/>
Series or Line:	<input type="text" value="Cladding System"/>	Series or Line:	<input type="text" value="Cladding Skin 150"/>
Model No:	<input type="text" value="KED150"/>	Model No:	<input type="text"/>
Dimensions:	<input 18'6"="" 5="" 8"="" type="text" value="6" x=""/>	Dimensions:	<input 19'"="" 5="" 8"="" type="text" value="6" x=""/>
Functional Clearances:	<input type="text"/>	Functional Clearances:	<input type="text"/>
Maintenance Info:	<input type="text" value="Wash the surface with a mild solution of pure soap or mild non-abrasive kitchen detergent in warm water. Application should be with a sponge, soft cloth or soft bristle nylon brush, and should be gentle to prevent shiny spots."/>	Maintenance Info:	<input type="text" value="Wash the surface with water and mild soap. Application should be with a sponge, soft cloth or soft bristle nylon brush."/>
Warranty Info:	<input type="text" value="15 year warranty from date of substantial completion"/>	Warranty Info:	<input type="text" value="a. The manufacturer must provide a written guarantee of at least 15 years that protects the owner from defects in the materials used. warranty of 50 years on material."/>
Other Info:	<input type="text"/>	Other Info:	<input type="text" value="We would like to bid this job using ForMe material"/>
Attached Data Sheet(s) for Side by Side Comparison:	<input checked="" type="checkbox"/> Yes	Attached Data Sheet(s) for Side by Side Comparison:	<input checked="" type="checkbox"/> Yes

A/E's Review and Action:

- Approved
- Approved as Noted
- Rejected - Use Specified Materials
- Incomplete Form - Use Specified materials

A/E Reviewer:

Signature: 

Date of Response:

Substitution approved based on the assumption Alternate #9 is accepted. Color and finish selections are pending district review. Please provide color samples.

Project Name:	Castleberry High School Additions & Renovations	Date of Request:	09/12/2024
Architect:	WRA Architects, Inc. 12377 Merit Drive, Suite 1800 Dallas, Texas 75251 214.750.0077 www.wraarchitects.com	Requesting Company:	SINAK
		Address:	4901 Morena Blvd #505 San Diego, CA 92117
Spec. Section No:	090561	Contact Name:	Jim Foster
Spec. Section Name:	Common Work Results For Flooring Preparation	Phone Number:	(434) 214-8066
		Email Address:	jim@sinak.com

Reason for Not Providing Specified Item: Reduce material and labor costs, improved warranty

History of Proposed Material: New Product 2-5 years old 5-10 years old More than 10 years old

Similar Installation - Project: PS 213 -Kitchen Addition Address: 580 Hegeman Architect: New York School Construction Authority
Date Installed: 8/24/2009 Brokklyn, NY 11207 Owner: New York School Construction Authority

Savings to Owner for Accepting Sustitution: (\$ 1.00+ sqft)
Proposed Substitution Changes in Contract Time: [+] [-] () days

Please fill out information on BOTH the specified item AND the proposed substitution in order for the substitution request to be processed.

Specified Item


Proposed Substitution

Product Name:	Ardex, Floor Seal Technology, Koster	Product Name:	SINAK VECT-R
Product Description:	2-component remedial floor coating to resist moisture vapor transmissiion to meet flooring installer requirements	Product Description:	Ready-to-use, penetrating, Zero-VOC Vapor Emission and Alkalinity Control System that eliminates flooring failures due to moisture, moisture vapor, hydrostatic pressure, and alkalinity
Manufacturer:		Manufacturer:	SINAK
Address:		Address:	4901 Morena Blvd #505 San Diego, CA 92117
Trade Name:		Trade Name:	
Series or Line:		Series or Line:	
Model No:		Model No:	
Dimensions:		Dimensions:	
Functional Clearances:		Functional Clearances:	
Maintenance Info:		Maintenance Info:	
Warranty Info:	15-20 Year Warranty	Warranty Info:	20-year flooring and adhesive bond warranty- moisture, moisture vapor, alkalinity, and hudrostatic pressure
Other Info:		Other Info:	
Attached Data Sheet(s) for Side by Side Comparison:	<input type="checkbox"/> Yes	Attached Data Sheet(s) for Side by Side Comparison:	<input checked="" type="checkbox"/> Yes

A/E's Review and Action:

- Approved
- Approved as Noted
- Rejected - Use Specified Materials
- Incomplete Form - Use Specified materials

A/E Reviewer: Nandita Rajakumar

Signature: 

Date of Response: 09/19/2024

Project Name:	Castleberry ISD High School Addition	Date of Request:	9/12/2024
Architect:	WRA Architects, Inc. 12377 Merit Drive, Suite 1800 Dallas, Texas 75251 214.750.0077 www.wraarchitects.com	Requesting Company:	Dynamic Sports Construction, Inc.
		Address:	4338 W Highway 82 Gainesville, TX 76240
Spec. Section No:	09 65 66	Contact Name:	Robert Wolessensky
Spec. Section Name:	Resilient Athletic Flooring	Phone Number:	512-260-6722
		Email Address:	bobw@dynamicssportsconstruction.com

Please fill out information on BOTH the specified item AND the proposed substitution in order for the substitution request to be processed.

Specified Item

Proposed Substitution

Product Name:	Performance Beast	Product Name:	DynaFit® Performance
Product Description:	Rubber athletic flooring provided as rolled goods for adhered installation.	Product Description:	Rubber athletic rolled flooring
Manufacturer:	Ecore International	Manufacturer:	Dynamic Sports Construction, Inc.
Address:	715 Fountain Ave. Lancaster, PA 17601	Address:	4338 W Highway 82 Gainesville, TX 76240
Trade Name:	Same	Trade Name:	Same
Series or Line:	Performance Beast	Series or Line:	DynaFit® Performance 10.5mm
Model No:	n/a	Model No:	n/a
Dimensions:	Thickness: 10.5mm	Dimensions:	Thickness: 10.5mm
Functional Clearances:		Functional Clearances:	
Maintenance Info:	Ecore International	Maintenance Info:	Dynamic Sports Construction, Inc.
Warranty Info:	10 years	Warranty Info:	10 years
Other Info:		Other Info:	


Attached Data Sheet(s) for Side by Side Comparison: Yes

Attached Data Sheet(s) for Side by Side Comparison: Yes

A/E's Review and Action:

- Approved
- Approved as Noted
- Rejected - Use Specified Materials
- Incomplete Form - Use Specified materials
- Received after 7 days before Bid Date - Use Specified Materials

A/E Reviewer: Nandita Rajakumar

Signature: 

Date of Response: 09/19/2024

DOCUMENT 00 01 07

PROFESSIONAL SEALS PAGE

The specification sections listed below were prepared by or under the direct supervision of the Architect:

WRA Architects, Inc.
12377 Merit Drive, Suite 1800
Dallas, Texas 75251

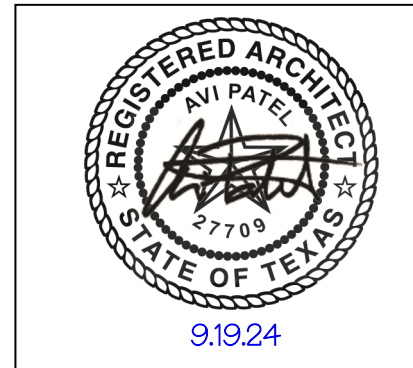
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SEAL



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SECTION 08 71 00
DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes commercial door hardware for the following:
 - 1. Swinging doors.
 - 2. Sliding doors.
 - 3. Other doors to the extent indicated.

- B. Door hardware includes, but is not necessarily limited to, the following:
 - 1. Mechanical door hardware.
 - 2. Electromechanical door hardware.
 - 3. Cylinders specified for doors in other sections.

- C. Related Sections:
 - 1. Division 08 Section "Hollow Metal Doors and Frames".
 - 2. Division 08 Section "Flush Wood Doors".
 - 3. Division 08 Section "Aluminum-Framed Entrances and Storefronts".
 - 4. Division 28 Section "Access Control Hardware Devices".

- D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
 - 1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
 - 2. FEMA P-361 2015/2021 - Design and Construction Guidance for Community Safe Rooms.
 - 3. ICC 500-2014/2020, ICC/NSSA Standard for the Design and Construction of Storm Shelters.
 - 4. ICC/IBC - International Building Code.
 - 5. NFPA 70 - National Electrical Code.
 - 6. NFPA 80 - Fire Doors and Windows.
 - 7. NFPA 101 - Life Safety Code.
 - 8. NFPA 105 - Installation of Smoke Door Assemblies.
 - 9. State Building Codes, Local Amendments.

- E. Standards: All hardware specified herein shall comply with the following industry standards as applicable. Any undated reference to a standard shall be interpreted as referring to the latest edition of that standard:
 - 1. ANSI/BHMA Certified Product Standards - A156 Series.
 - 2. UL10C - Positive Pressure Fire Tests of Door Assemblies.
 - 3. ANSI/UL 294 - Access Control System Units.
 - 4. UL 305 - Panic Hardware.
 - 5. ANSI/UL 437- Key Locks.

1.2 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.

- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing, fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
 2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
 3. Content: Include the following information:
 - a. Type, style, function, size, label, hand, and finish of each door hardware item.
 - b. Manufacturer of each item.
 - c. Fastenings and other pertinent information.
 - d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
 - e. Explanation of abbreviations, symbols, and codes contained in schedule.
 - f. Mounting locations for door hardware.
 - g. Door and frame sizes and materials.
 - h. Warranty information for each product.
 4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
- C. Shop Drawings: Details of electrified access control hardware indicating the following:
1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:
 - a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
 - b. Complete (risers, point-to-point) access control system block wiring diagrams.
 - c. Wiring instructions for each electronic component scheduled herein.
 2. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.
- D. Proof of Certification: Provide copy of manufacturer(s) official certification or accreditation document indicating proof of status as a qualified and authorized provider of the primary Integrated Wiegand Access Control Products.
- E. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.

F. Informational Submittals:

1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.

1.3 CLOSEOUT SUBMITTALS

- A. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Procedures.
 1. Maintenance manual must be provided for tornado/hurricane storm shelter impact protective systems.
- B. Project Record Documents: Provide record documentation of as-built door hardware sets in digital format (.pdf, .docx, .xlsx, .csv) and as required in Division 01, Project Record Documents.

1.4 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
- B. Certified Products: Where specified, products must maintain a current listing in the Builders Hardware Manufacturers Association (BHMA) Certified Products Directory (CPD).
- C. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- D. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.
- E. Integrated Wireless, and IP-Enabled Access Control Products Supplier Qualifications: Integrated access control products and accessories are required to be supplied and installed through current members of the ASSA ABLOY "Authorized Channel Partner" (ACP) and "Certified Integrator" (CI) programs. Suppliers are to be factory trained, certified prior to project bid, and a direct purchaser of the specified product. Installers are to be factory trained, certified prior to project bid, and are responsible for commissioning, servicing, and warranting the installed equipment specified for the project.
- F. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.
 1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
 2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.

- G. Storm Shelter Openings: Provide complete door systems for hurricane or tornado resistant storm shelters and other areas of refuge complying and tested according to ICC 500 (2014/2020), ICC/NSSA Standard for the Design and Construction of Storm Shelters.
 - H. Each unit to bear third party permanent label indicating compliance with the referenced testing standards.
 - I. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:
 - 1. Function of building, purpose of each area and degree of security required.
 - 2. Plans for existing and future key system expansion.
 - 3. Requirements for key control storage and software.
 - 4. Installation of permanent keys, cylinder cores and software.
 - 5. Address and requirements for delivery of keys.
 - J. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.
 - 1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
 - 2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
 - 3. Review sequence of operation narratives for each unique access controlled opening.
 - 4. Review and finalize construction schedule and verify availability of materials.
 - 5. Review the required inspecting, testing, commissioning, and demonstration procedures
 - K. At completion of installation, provide written documentation that components were applied according to manufacturer's instructions and recommendations and according to approved schedule.
- 1.5 DELIVERY, STORAGE AND HANDLING
- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.
 - B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
 - C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".
- 1.6 COORDINATION
- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.

- B. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.
- C. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.7 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
 - 1. Structural failures including excessive deflection, cracking, or breakage.
 - 2. Faulty operation of the hardware.
 - 3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - 4. Electrical component defects and failures within the systems operation.
- C. Warranty Period: Unless otherwise indicated, warranty shall be one year from date of Substantial Completion.

1.8 MAINTENANCE SERVICE

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.
- B. Storm Shelter Openings: Furnish a complete set of operational and maintenance instructions as needed for Owner's continued adjustment, maintenance, and repairs of door hardware as required by ICC 500 (2020), ICC/NSSA Standard for the Design and Construction of Storm Shelters.

PART 2 - PRODUCTS

2.1 BUTT HINGES

- A. Hinges: ANSI/BHMA A156.1 butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.
 - 1. Quantity: Provide the following hinge quantity:
 - a. Two Hinges: For doors with heights up to 60 inches.
 - b. Three Hinges: For doors with heights 61 to 90 inches.
 - c. Four Hinges: For doors with heights 91 to 120 inches.
 - d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.

2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
 - a. Widths up to 3'0": 4-1/2" standard or heavy weight as specified.
 - b. Sizes from 3'1" to 4'0": 5" standard or heavy weight as specified.
 3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:
 - a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
 - b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.
 4. Hinge Options: Comply with the following:
 - a. Non-removable Pins: With the exception of electric through wire hinges, provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the all out-swinging lockable doors.
 5. Manufacturers:
 - a. McKinney (MK) - TA/T4A Series, 5-knuckle.
- B. Hinges at Storm Shelter Assemblies: At a minimum, provide heavy weight hinges with stainless steel screws used in accordance with and specified as part of a Severe Storm Shelter Opening meeting ICC 500 and FEMA 361.
1. Quantity: Provide the following hinge quantity:
 - a. Three Hinges: For shutters with heights 36 to 60 inches, and doors at height of 80 inches.
 - b. Four Hinges: For shutters with heights > 60 inches to 80 inches, and doors with heights greater than 84 inches.
 2. Quantity: Provide the following hinge quantity:
 - a. Three Hinges: For shutters with heights 36 to 60 inches, and doors at height of 80 inches.
 - b. Four Hinges: For shutters with heights > 60 inches to 80 inches, and doors with heights greater than 84 inches.
 - c. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
 - d. Widths up to 3'0": 4-1/2" standard or heavy weight as specified.
 - e. Sizes from 3'1" to 4'0": 5" standard or heavy weight as specified.
 3. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
 - a. Widths up to 3'0": 4-1/2" standard or heavy weight as specified.
 - b. Sizes from 3'1" to 4'0": 5" standard or heavy weight as specified.
 4. Hinge Weight and Base Material: At a minimum, provide heavy weight hinges with stainless steel screws used in accordance with and specified as part of a certified Storm Shelter Opening meeting ICC 500.
 5. Manufacturers:
 - a. McKinney (MK) - SP3386/SP3786.

2.2 CONTINUOUS HINGES

- A. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 continuous geared hinge. with minimum 0.120-inch thick extruded 6063-T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.
1. Manufacturers:
 - a. Pemko (PE).

2.3 POWER TRANSFER DEVICES

- A. Electrified Quick Connect Continuous Geared Transfer Hinges: Provide electrified transfer continuous geared hinges with a removable service panel cutout accessible without de-mounting door from the frame. Furnish with Molex™ standardized plug connectors with sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.
1. Manufacturers:
 - a. Pemko (PE) - SER-QC (# wires) Option.
 - B. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.
 1. Provide one each of the following tools as part of the base bid contract:
 - a. McKinney (MK) - Electrical Connecting Kit: QC-R001.
 - b. McKinney (MK) - Connector Hand Tool: QC-R003.
 2. Manufacturers:
 - a. McKinney (MK) - QC-C Series.
 - C. Storm Shelter Compliance: Power transfer devices to be U.L. listed for windstorm components.
 - D. Provide mortar guard enclosure on steel frames installed at masonry openings for each electrical hinge specified.

2.4 DOOR OPERATING TRIM

- A. Flush Bolts and Surface Bolts: Provide products conforming to ANSI/BHMA A156.3 and A156.16, Grade 1.
1. Flush bolts to be furnished with top rod of sufficient length to allow bolt retraction device location approximately six feet from the floor.
 2. Furnish dust proof strikes for bottom bolts.
 3. Surface bolts to be minimum 8" in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.

4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.
5. Manufacturers:
 - a. Rockwood (RO).
- B. Door Push Plates and Pulls: ANSI/BHMA A156.6 door pushes and pull units of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.
 1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
 2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
 3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.
 4. Pulls, where applicable, shall be provided with a 10" clearance from the finished floor on the push side to accommodate wheelchair accessibility.
 5. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets. When through-bolt fasteners are in the same location as a push plate, countersink the fasteners flush with the door face allowing the push plate to sit flat against the door.
 6. Manufacturers:
 - a. Rockwood (RO).

2.5 CYLINDERS AND KEYING

- A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.
- B. Cylinder Types: Original manufacturer cylinders able to supply the following cylinder formats and types:
 1. Threaded mortise cylinders with rings and cams to suit hardware application.
 2. Rim cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
 3. Bored or cylindrical lock cylinders with tailpieces as required to suit locks.
 4. Tubular deadlocks and other auxiliary locks.
 5. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
 6. Keyway: Match Facility Restricted Keyway.
- C. Large Format Interchangeable Cores: Provide removable cores (LFIC) as specified, core insert, removable by use of a special key, and for use with only the core manufacturer's cylinder and door hardware.
- D. High Security Cylinders: ANSI/BHMA A156.5, Grade 1 Certified Products Directory (CPD) listed cylinders certified to UL437, including pick and drill resistance. Pick resistance to incorporate two or more independent locking mechanisms including a pin tumbler device with five or six pin chambers, mushroom-shaped driver pins, and sidebar locking mechanism operated independently from the six top pin tumbler device. Drill resistance to incorporate cylinder housing with fixed case-hardened inserts protecting the pin tumbler shear line, cylinder plugs with case-hardened inserts protecting both the pin tumbler shear line and the side bar, mushroom-shaped stainless steel driver pins, and stainless steel side pins. Cylinders to be factory keyed.
 1. New high security key systems shall not be established with products that have an expired patent. Expired systems shall only be specified and supplied to support existing systems.

2. Manufacturers:
 - a. Corbin Russwin (RU) - Pyramid PHS.
 - b. No Substitution.

E. Keying System: Each type of lock and cylinders to be factory keyed.

1. Supplier shall conduct a "Keying Conference" to define and document keying system instructions and requirements.
2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
3. Existing System: Field verify and key cylinders to match Owner's existing system.

F. Key Quantity: Provide the following minimum number of keys:

1. Change Keys per Cylinder: Two (2)
2. Master Keys (per Master Key Level/Group): Five (5).
3. Construction Keys (where required): Ten (10).
4. Construction Control Keys (where required): Two (2).
5. Permanent Control Keys (where required): Two (2).

G. Construction Keying: Provide temporary keyed construction cores.

H. Key Registration List (Bitting List):

1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
2. Provide transcript list in writing or electronic file as directed by the Owner.

2.6 KEY CONTROL

A. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project.

1. Manufacturers:
 - a. Lund Equipment (LU).
 - b. MMF Industries (MM).
 - c. Telkee (TK).

2.7 MORTISE LOCKS AND LATCHING DEVICES

A. Mortise Locksets, Grade 1 (Heavy Duty): Provide ANSI/BHMA A156.13, Series 1000, Operational Grade 1 Certified Products Directory (CPD) listed mortise locksets. Listed manufacturers shall meet all functions and features as specified herein.

1. Provide locksets with functions and features as follows:
 - a. Heavy duty 12-gauge wrought steel case.
 - b. Stainless steel 3/4" one-piece anti-friction reversible latchbolt with a one-piece hardened stainless steel 1" projection deadbolt.
 - c. Where required by code, provide knurling or abrasive coating on all levers leading to hazardous areas.

- d. Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies with levers that meet A117.1 Accessibility Code.
- e. Meets UL Certification Directory ZHLL.R21744 for products used in windstorm rated assemblies.
- f. Extended cycle test: Locks to have been cycle tested in ordinance with ANSI/BHMA 156.13 requirements to 14.5 million cycles or greater.
- g. Status indicators inside, outside, or on both sides of doors as specified; available with wording for "locked/unlocked", "vacant/occupied" or custom wording options. Indicator to be located above the cylinder with the inside thumb-turn not blocking the visibility of the indicator status.
- h. Ten-year limited warranty for mechanical functions.

2. Manufacturers:

- a. Corbin Russwin Hardware (RU) - ML2000 Series.
- b. No Substitution.

2.8 MULTI-POINT LOCKS AND LATCHING DEVICES

- A. Multi-Point Locksets, Storm Shelter: Provide ANSI/BHMA A156.37, Series 1000, Operational Grade 1 and Security Grade 1 Certified Products Directory (CPD) listed multi-point locksets. Listed manufacturers shall meet all functions and features as specified herein.

1. Provide locksets with functions and features as follows:

- a. Where required by code, provide knurling or abrasive coating on all levers leading to hazardous areas.
- b. Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies with levers that meet A117.1 Accessibility Code.
- c. Meets Florida Building Code FL2998 and UL Certification Directory ZHEM.R21744 for latching hardware for hurricane requirements.
- d. Approved for usage as part of a complete ICC 500 (2014/2020) and FEMA P-361 (2015/2021) door, frame, and hardware assemblies for storm shelter components.
- e. Lever torque to retract all bolts less than 28 in.lb.
- f. Cycle tested to 1,000,000 cycles.
- g. Seven-year limited warranty for mechanical functions.

2. Manufacturers:

- a. Corbin Russwin Hardware (RU) - FE6600 Series.

2.1 INTEGRATED WIRED OUTPUT LOCKING DEVICES - MULTI-CLASS READER

- A. Integrated Wired Output Multi-Class Mortise Locks: Wiegand or Open Supervised Device Protocol (OSDP) output ANSI A156.13, Grade 1, mortise lockset with integrated card reader with or without keypad option, request-to-exit signaling, door position status switch, and latchbolt monitoring in one complete unit. Hard wired, solenoid driven locking/unlocking control of the lever handle trim, 3/4" deadlocking anti-friction latch, and 1" case-hardened steel deadbolt. Lock is U.L listed and labeled for use on up to 3 hour fire rated openings. Available with or without keyed high security cylinder override.

- 1. Open architecture, hard wired platform supports centralized control of locking units with new or existing Wiegand or OSDP compatible access control systems. Latchbolt monitoring and door position switch act in conjunction to report door-in-frame (DPS) and door latched (door closed and latched) conditions.
- 2. Integrated reader supports the following credentials:

- a. 125kHz proximity credentials: HID, AWID, Indala, and EM4102.

- b. 13.56 MHz proximity credentials: HID Secure Identity Object™ (SIO) on iCLASS Seos, HID iCLASS, HID iCLASS SE/SR, MIFARE Classic, DESFire EV1 and EV2.
 - c. 2.4 GHz credentials: Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
 - d. ISO14443A/B (PIV-compatible Transparent FASC-N read) available with pivCLASS variant
 - e. NFC-enabled mobile phones
 - f. PIN code only or PIN + credential with keypad option.
3. 12VDC external power supply required for reader and lock, with optional 24VDC lock solenoid. Fail safe or fail secure options.
 4. Energy Efficient Design: Provide lock bodies which have a holding current draw of 500mA maximum, and can operate on either 12 or 24 volts. Locks are to be field configurable for fail safe or fail secure operation.
 5. Support end-of-line resistors contained within the lock case.
 6. Installation requires only one cable run from the lock to the access control panel without requirements for additional proprietary lock panel interface boards or modules.
 7. Installation to include manufacturer's access control panel interface board or module where required for Wiegand or OSDP output protocol.
 8. Manufacturers:
 - a. Corbin Russwin (RU) - ML2000 SN Series.
 - b. No Substitution.

2.2 DEADLOCKS AND LATCHES

- A. Mortise Deadlocks, Small Case: ANSI/BHMA A156.36, Grade 1, small case mortise type deadlocks constructed of heavy gauge wrought corrosion resistant steel. Steel or stainless steel bolts with a 1" throw and hardened steel roller pins. Deadlocks to be products of the same source manufacturer and keyway as other specified locksets.
 1. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - DL4000 Series.
 - b. No Substitution.

2.3 LOCK AND LATCH STRIKES

- A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:
 1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
 2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
 3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.
 4. Double-lipped strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.
- B. Standards: Comply with the following:
 1. Strikes for Mortise Locks and Latches: BHMA A156.13.
 2. Strikes for Bored Locks and Latches: BHMA A156.2.
 3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
 4. Dustproof Strikes: BHMA A156.16.

2.4 CONVENTIONAL EXIT DEVICES

- A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:
1. Exit devices shall have a five-year warranty.
 2. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
 3. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.
 4. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
 5. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.
 6. Flush End Caps: Provide flush end caps made of architectural metal in the same finish as the devices as in the Hardware Sets. Plastic end caps will not be acceptable.
 7. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.
 - a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
 - b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.
 8. Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide as less bottom rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
 9. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2" wide stiles.
 10. Dummy Push Bar: Nonfunctioning push bar matching functional push bar.
 11. Rail Sizing: Provide exit device rails factory sized for proper door width application.
 12. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.
- B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 Certified Products Directory (CPD) listed exit devices. Listed manufacturers shall meet all functions and features as specified herein.
1. Electromechanical exit devices shall have the following functions and features:
 - a. Universal Molex plug-in connectors that have standardized color-coded wiring and are field configurable in fail safe or fail secure and operate from 12vdc to 24vdc regulated.
 - b. EcoFlex or equivalent technology that reduces energy consumption up to 92% as certified by GreenCircle.
 - c. Options to be available for request-to-exit or enter signaling, latchbolt and touchbar monitoring.
 - d. Field configurable electrified trim to fail-safe or fail-secure that operates from 12-24VDC.
 - e. Five-year limited warranty for electromechanical features.
 2. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - ED4000 / ED5000 Series.
 - b. No Substitution.

- C. Security Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 Certified Products Directory (CPD) listed rim panic and fire exit hardware devices furnished in the functions specified in the Hardware Sets. Exit device latch to be constructed of high grade, heat treated, corrosion resistant nickel steel alloy, and have a full 3/4" throw projection with slide action positive deadlocking.
 - 1. Static Load Force Resistance: Minimum 3000 lbs. certified independent tested.
 - 2. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - ED4000S / ED5000S Series.
 - b. No Substitution.

- D. Multi-Point Exit Devices (Storm Shelter Openings): Multi-point exit devices specifically engineered for out-swinging door applications on tornado or hurricane resistant storm shelter openings. Extra heavy duty steel component construction with each of the latching points automatically activated when the device is locked. The multi-point exit device is approved for usage as part of a complete ICC 500 (2014/2020) and FEMA P-361 (2015/2021) door, frame and hardware assembly.
 - 1. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - FE5400S Series.

- E. Steel Removable Mullions: ANSI/BHMA A156.3 steel removable mullions with options for fire rating, locking, through-wire electrification and hurricane compliance as specified.
 - 1. Provide mullions with functions and features as follows:
 - a. At openings designed for severe wind load conditions due to hurricanes or tornadoes, provide manufacturer's certified mullion and accessories to meet applicable state and local windstorm codes.
 - b. Provide keyed removable feature where specified in the Hardware Sets.
 - c. Provide stabilizers and mounting brackets as required.
 - 2. Manufacturers:
 - a. Same as exit device manufacturer.

2.5 INTEGRATED WIRED OUTPUT EXIT DEVICES - MULTI-CLASS READER

- A. Integrated Wired Output Multi-Class Exit Hardware: Wiegand output ANSI 156.3 Grade 1 rim, mortise, and vertical rod exit device hardware with integrated card reader with or without keypad option, latchbolt and touchbar monitoring, and request-to-exit signaling, in one complete unit. Hard wired, solenoid driven locking/unlocking control of the lever handle exit trim with 3/4" throw latch bolt. U.L listed and labeled for either panic or "fire exit hardware" for use on up to 3 hour fire rated openings. Available with or without keyed high security cylinder override.
 - 1. Open architecture, hard wired platform supports centralized control of locking units with new or existing Wiegand or OSDP compatible access control systems. Inside push bar (request-to-exit) signaling and door position (open/closed status) monitoring (via separately connected DPS).
 - 2. Integrated reader supports the following credentials:
 - a. 125kHz proximity credentials: HID, AWID, Indala, and EM4102.
 - b. 13.56 MHz proximity credentials: HID Secure Identity Object™ (SIO) on iCLASS Seos, HID iCLASS, HID iCLASS SE/SR, MIFARE Classic, DESFire EV1 and EV2.
 - c. 2.4 GHz credentials: Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
 - d. ISO14443A/B (PIV-compatible Transparent FASC-N read) available with pivCLASS variant
 - e. NFC-enabled mobile phones

- f. PIN code only or PIN + credential with keypad option

- 3. 12VDC external power supply required for reader. 24VDC required for solenoid operated exit trim. Fail safe or fail secure options.
- 4. Installation requires only one cable run from the exit hardware to the access control panel without requirements for additional proprietary lock panel interface boards or modules.
- 5. Competitor Alternates Allowed Option: Installation to include manufacturer's access control panel interface board or module where required for Wiegand or OSDP output protocol.
- 6. Manufacturers:
 - a. Corbin Russwin (RU) - ED5000 SN Series.
 - b. No Substitution.

2.6 DOOR CLOSERS

- A. All door closers specified herein shall meet or exceed the following criteria:
 - 1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers.
 - 2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
 - 3. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the Americans with Disabilities Act, provide units complying with ANSI ICC/A117.1.
 - 4. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
 - 5. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
 - 6. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.
 - 7. Storm Shelter Compliance: Door closers to be U.L. listed for windstorm assemblies where applicable. Provide the appropriate storm shelter products that have been independently third party tested, certified, and labeled to meet state and local windstorm building codes applicable to project.

- B. Door Closers, Surface Mounted (Large Body Cast Iron): ANSI/BHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control.
 - 1. Large body cast iron surface mounted door closers shall have a 30-year warranty.
 - 2. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - DC8000 Series.

- C. Door Closers, Surface Mounted (Commercial Duty): ANSI/BHMA 156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, institutional grade door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck, closing sweep, and latch speed control valves. Provide non-handed units standard.
 - 1. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - DC6000 Series.
 - b. No Substitution.

2.7 ARCHITECTURAL TRIM

A. Door Protective Trim

- 1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
- 2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
- 3. Where plates are applied to fire rated doors with the top of the plate more than 16" above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer's catalog and template book for specific requirements for size and applications.
- 4. Protection Plates: ANSI/BHMA A156.6 protection plates (kick, armor, or mop), fabricated from the following:
 - a. Stainless Steel: 300 grade, .050-inch thick.
- 5. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.
- 6. Manufacturers:
 - a. Rockwood (RO).

2.8 DOOR STOPS AND HOLDERS

- A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.
- B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.
 - 1. Manufacturers:
 - a. Rockwood (RO).

- C. Overhead Door Stops and Holders: ANSI/BHMA A156.8, Grade 1 Certified Products Directory (CPD) listed overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.
 - 1. Manufacturers:
 - a. Norton Rixson (RF).
 - b. Sargent Manufacturing (SA).

2.9 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.
- B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
 - 1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.
- C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
 - 1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NFPA 252, Standard Methods of Fire Tests of Door Assemblies.
- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
- F. Hurricane and Storm Shelter Compliance: Devices to be U.L. listed for windstorm assemblies where applicable. Provide the appropriate hurricane or storm shelter products that have been independently third party tested, certified, and labeled to meet state and local windstorm building codes applicable to project.
- G. Manufacturers:
 - 1. Pemko (PE).

2.10 ELECTRONIC ACCESSORIES

- A. Push-Button Switches: Industrial grade momentary or alternate contact, back-lighted push buttons with stainless-steel switch enclosures. 12/24 VDC bi-color illumination suitable for either flush or surface mounting.
 - 1. Manufacturers:
 - a. Alarm Controls (AK) - TS Series.
 - b. Securitron (SU) - PB Series.

- B. Door Position Switches: Door position magnetic reed contact switches specifically designed for use in commercial door applications. On recessed models the contact and magnetic housing snap-lock into a 1" diameter hole. Surface mounted models include wide gap distance design complete with armored flex cabling. Provide SPDT, N/O switches with optional Rare Earth Magnet installation on steel doors with flush top channels.
 - 1. Manufacturers:
 - a. Securitron (SU) - DPS Series.
- C. Switching Power Supplies: Provide power supplies with either single or dual voltage configurations at 12 or 24VDC. Power supplies shall have battery backup function with an integrated battery charging circuit and shall provide capability for power distribution, direct lock control and Fire Alarm Interface (FAI) through add on modules. Power supplies shall be expandable up to 16 individually protected outputs. Output modules shall provide individually protected, continuous outputs and/or individually protected, relay controlled outputs.
 - 1. Provide the least number of units, at the appropriate amperage level, sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.
 - 2. Manufacturers:
 - a. Securitron (SU) - AQD Series.

2.11 FABRICATION

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

2.12 FINISHES

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

PART 3 - EXECUTION

3.1 EXAMINATION

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

3.2 PREPARATION

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

3.3 INSTALLATION

- A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
 - 1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.
- B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
 - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
 - 2. DHI TDH-007-20: Installation Guide for Doors and Hardware.
 - 3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
 - 4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
- C. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
- D. Push Plates and Door Pulls: When through-bolt fasteners are in the same location as a push plate, countersink the fasteners flush with the door face allowing the push plate to sit flat against the door.
- E. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
- F. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.4 ADJUSTING

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

3.5 CLEANING AND PROTECTION

- A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.
- B. Clean adjacent surfaces soiled by door hardware installation.

- C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.6 DEMONSTRATION

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

3.7 DOOR HARDWARE SETS

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.
 - 1. Quantities listed are for each pair of doors, or for each single door.
 - 2. The supplier is responsible for handing and sizing all products.
 - 3. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.
 - 4. At existing openings with new hardware the supplier shall field inspect existing conditions prior to the submittal stage to verify the specified hardware will work as required. Provide alternate solutions and proposals as needed.
- B. Refer to attached document for Door Hardware Schedule.

END OF SECTION

DOOR HARDWARE SCHEDULE

A. Manufacturer's Abbreviations:

1. MK - McKinney
2. OT - Other
3. PE - Pemko
4. RO - Rockwood
5. RU - Corbin Russwin
6. RF - Rixson
7. SU - Securitron
8. AK - Alarm Controls

Hardware Sets

Set: 1.0

Doors: A100.2, A137.2, A150, B000.2, B000.3, B120

Description: Exterior, Pair, AD&F, SN200 Rim Panic, Closer w/Stop, ELR

1	Continuous Hinge	CFMXXSLF-HD1-M		PE	
1	Continuous Hinge	CFMXXSLF-HD1 SER		PE	⚡
1	Key Removable Mullion	CR972BKM 7'2" M57 CT6R		RU	
1	Rim Exit Device, Exit Only	ED5200S EO M110 M54 M52 CT6R	630	RU	
1	Access Control Rim Exit Device, MELR	ED5200SN-SN200 K157ET BIPS B03 M110 M54 MELR CT6R	630	RU	⚡
1	Interchangeable Core - Exterior	CR8020 Keyed into Existing System	626	RU	
2	Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU	
2	Pull	RM202 Mtg-Type 12XHD	US32D	RO	
2	Conc Overhead Stop	1-x36	630	RF	
2	Surface Closer, PA	DC6210 A3 M85 M78	689	RU	
2	Drop Plate	597F58	689	RU	
1	Gasketing (mullion)	5110BL		PE	
1	Perimeter Gasketing	By Door and Frame Manufacturer		OT	
2	Sweep	345APK TKSP		PE	
1	Threshold	273x292AFGPK MSES25SS		PE	
1	ElectroLynx Harness	QC-CXXX Length as Required		MK	⚡
1	ElectroLynx Harness	QC-C1500P		MK	⚡
1	Position Switch	DPS		SU	⚡
1	Power Supply	AQD (Size and Relays as Required)		SU	⚡

Notes: Coordinate hardware with Aluminum Door and Frame manufacturer. Provide special templates, brackets, spacers, drop plates and fasteners as required. Confirm hardware finish with architect prior to ordering.

Access control locking device to be furnished by Authorized Channel Partner (ACP) and installed by Certified Integrator (CI).

Door normally closed and locked.

Entry by valid credential or manual key override.

Always free egress.

Upon activation of the fire alarm or loss of power, door remains locked.

Set: 2.0

Doors: A100.1, A137.1, B000.1, B000.4, C001.1, C002.1

Description: Exterior, Pair, AD&F, Exit Only Rim Panic, Closer w/Stop, DPS

2	Continuous Hinge	CFMXXSLF-HD1-M		PE
1	Key Removable Mullion	CR972BKM 7'2" M57 CT6R		RU
2	Rim Exit Device, Exit Only	ED5200S EO M1 10 M54 M52 CT6R	630	RU
2	Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
2	Pull	RM202 Mtg-Type 12XHD	US32D	RO
2	Conc Overhead Stop	1-x36	630	RF
2	Surface Closer, PA	DC6210 A3 M85 M78	689	RU
2	Drop Plate	597F58	689	RU
1	Gasketing (mullion)	5110BL		PE
1	Perimeter Gasketing	By Door and Frame Manufacturer		OT
2	Sweep	345APK TKSP		PE
1	Threshold	273x292AFGPK MSES25SS		PE
2	Position Switch	DPS		SU ⚡

Notes: Coordinate hardware with Aluminum Door and Frame manufacturer. Provide special templates, brackets, spacers, drop plates and fasteners as required. Confirm hardware finish with architect prior to ordering.

Set: 3.0

Doors: A190.1, C001.2

Description: Exterior, Single, AD&F, SN200 Rim Panic, Closer w/Stop, ELR

1 Continuous Hinge	CFMXXSLF-HD1 SER		PE	⚡
1 Access Control Rim Exit Device, MELR	ED5200SN-SN200 K157ET BIPS B03 M110 M54 MELR CT6R	630	RU	⚡
1 Interchangeable Core - Exterior	CR8020 Keyed into Existing System	626	RU	
1 Pull	RM202 Mtg-Type 12XHD	US32D	RO	
1 Conc Overhead Stop	1-x36	630	RF	
1 Surface Closer, PA	DC6210 A3 M85 M78	689	RU	
1 Drop Plate	597F58	689	RU	
1 Perimeter Gasketing	By Door and Frame Manufacturer		OT	
1 Sweep	345APK TKSP		PE	
1 Threshold	273x292AFGPK MSES25SS		PE	
1 ElectroLynx Harness	QC-CXXX Length as Required		MK	⚡
1 ElectroLynx Harness	QC-C1500P		MK	⚡
1 Power Supply	AQD (Size and Relays as Required)		SU	⚡

Notes: Coordinate hardware with Aluminum Door and Frame manufacturer. Provide special templates, brackets, spacers, drop plates and fasteners as required. Confirm hardware finish with architect prior to ordering.

Access control locking device to be furnished by Authorized Channel Partner (ACP) and installed by Certified Integrator (CI).

Door normally closed and locked.

Entry by valid credential or manual key override.

Always free egress.

Upon activation of the fire alarm or loss of power, door remains locked.

Set: 3.1

Doors: A190.2

Description: Exterior, Single, AD&F, Exit Only Rim Panic, Closer w/Stop, DPS

1 Continuous Hinge	CFMXXSLF-HD1-M		PE
1 Rim Exit Device, Exit Only	ED5200S EO M110 M54 M52 CT6R	630	RU
1 Interchangeable Core - Exterior	CR8020 Keyed into Existing System	626	RU
1 Pull	RM202 Mtg-Type 12XHD	US32D	RO
1 Conc Overhead Stop	1-x36	630	RF
1 Surface Closer, PA	DC6210 A3 M85 M78	689	RU
1 Drop Plate	597F58	689	RU
1 Perimeter Gasketing	By Door and Frame Manufacturer		OT
1 Sweep	345APK TKSP		PE
1 Threshold	273x292AFGPK MSES25SS		PE
1 Position Switch	DPS		SU ⚡

Notes: Coordinate hardware with Aluminum Door and Frame manufacturer. Provide special templates, brackets, spacers, drop plates and fasteners as required. Confirm hardware finish with architect prior to ordering.

Set: 4.0

Doors: A100.3

Description: Vestibule, Pair, AD&F, SN200 Rim Panic, Closer w/Stop, ELR

1	Continuous Hinge	CFMXXSLF-HD1-M		PE	
1	Continuous Hinge	CFMXXSLF-HD1 SER		PE	⚡
1	Key Removable Mullion	CR972BKM 7'2" M57 CT6R		RU	
1	Rim Exit Device, Exit Only	ED5200S EO M110 M54 M52 CT6R	630	RU	
1	Access Control Rim Exit Device, MELR	ED5200SN-SN200 K157ET BIPS B03 M110 M54 MELR CT6R	630	RU	⚡
1	Interchangeable Core - Exterior	CR8020 Keyed into Existing System	626	RU	
2	Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU	
2	Pull	RM202 Mtg-Type 12XHD	US32D	RO	
2	Conc Overhead Stop	1-x36	630	RF	
2	Surface Closer, PA	DC6210 A3 M85 M78	689	RU	
2	Drop Plate	597F58	689	RU	
1	Gasketing (mullion)	5110BL		PE	
1	Perimeter Gasketing	By Door and Frame Manufacturer		OT	
1	ElectroLynx Harness	QC-CXXX Length as Required		MK	⚡
1	ElectroLynx Harness	QC-C1500P		MK	⚡
1	Position Switch	DPS		SU	⚡
1	Power Supply	AQD (Size and Relays as Required)		SU	⚡

Notes: Coordinate hardware with Aluminum Door and Frame manufacturer. Provide special templates, brackets, spacers, drop plates and fasteners as required. Confirm hardware finish with architect prior to ordering.

Access control locking device to be furnished by Authorized Channel Partner (ACP) and installed by Certified Integrator (CI).

Door normally closed and locked.
 Entry by valid credential or manual key override.
 Always free egress.
 Upon activation of the fire alarm or loss of power, door remains locked.

Set: 5.0

Doors: A100.4

Description: Vestibule, Pair, AD&F, Exit Only Rim Panic, Closer w/Stop, DPS

2	Continuous Hinge	CFMXXSLF-HD1-M		PE
1	Key Removable Mullion	CR972BKM 7'2" M57 CT6R		RU
2	Rim Exit Device, Exit Only	ED5200S EO M1 10 M54 M52 CT6R	630	RU
2	Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
2	Pull	RM202 Mtg-Type 12XHD	US32D	RO
2	Conc Overhead Stop	1-x36	630	RF
2	Surface Closer, PA	DC6210 A3 M85 M78	689	RU
2	Drop Plate	597F58	689	RU
1	Gasketing (mullion)	5110BL		PE
1	Perimeter Gasketing	By Door and Frame Manufacturer		OT
2	Position Switch	DPS		SU ⚡

Notes: Coordinate hardware with Aluminum Door and Frame manufacturer. Provide special templates, brackets, spacers, drop plates and fasteners as required. Confirm hardware finish with architect prior to ordering.

Set: 6.0

Doors: A137.3, A137.4, C001.3

Description: Vestibule, Pair, AD&F, Push / Pull, Closer w/Stop

2	Continuous Hinge	CFMXXSLF-HD1-M		PE
2	Push Bar	ED5000DB EO	630	RU
2	Pull	RM202 Mtg-Type 12XHD	US32D	RO
2	Surface Closer, PA	DC6210 A3 M85 M78	689	RU
2	Drop Plate	597F58	689	RU
1	Perimeter Gasketing	By Door and Frame Manufacturer		OT

Notes: Coordinate hardware with Aluminum Door and Frame manufacturer. Provide special templates, brackets, spacers, drop plates and fasteners as required. Confirm hardware finish with architect prior to ordering.

Set: 7.0

Doors: A101.1

Description: Vestibule, Single, AD&F, SN200 Rim Panic, Closer w/Stop, ELR

1 Continuous Hinge	CFMXXSLF-HD1 SER		PE	⚡
1 Access Control Rim Exit Device, MELR	ED5200SN-SN200 K157ET BIPS B03 M110 M54 MELR CT6R	630	RU	⚡
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU	
1 Pull	RM202 Mtg-Type 12XHD	US32D	RO	
1 Conc Overhead Stop	1-x36	630	RF	
1 Surface Closer, PA	DC6210 A3 M85 M78	689	RU	
1 Drop Plate	597F58	689	RU	
1 Perimeter Gasketing	By Door and Frame Manufacturer		OT	
1 ElectroLynx Harness	QC-CXXX Length as Required		MK	⚡
1 ElectroLynx Harness	QC-C1500P		MK	⚡
1 Door Release	TS-18		AK	⚡
1 Power Supply	AQD (Size and Relays as Required)		SU	⚡

Notes: Coordinate hardware with Aluminum Door and Frame manufacturer. Provide special templates, brackets, spacers, drop plates and fasteners as required. Confirm hardware finish with architect prior to ordering.

Access control locking device to be furnished by Authorized Channel Partner (ACP) and installed by Certified Integrator (CI).

Door normally closed and locked.
 Entry by valid credential, remote release or manual key override.
 Always free egress.
 Upon activation of the fire alarm or loss of power, door remains locked.

Set: 8.0

Doors: C001.4

Description: Vestibule, Single, AD&F, Push / Pull, Closer w/Stop

1 Continuous Hinge	CFMXXSLF-HD1-M		PE	
1 Push Bar	ED5000DB EO	630	RU	
1 Pull	RM202 Mtg-Type 12XHD	US32D	RO	
1 Surface Closer, PA	DC6210 A3 M85 M78	689	RU	
1 Drop Plate	597F58	689	RU	
1 Perimeter Gasketing	By Door and Frame Manufacturer		OT	

Notes: Coordinate hardware with Aluminum Door and Frame manufacturer. Provide special templates, brackets, spacers, drop plates and fasteners as required. Confirm hardware finish with architect prior to ordering.

Set: 9.0

Doors: E211.3

Description: Exterior, Pair, HMD&F, SN200 Rim Panic, Closer w/Stop, ELR

5 Hinge, Full Mortise, Hvy Wt	T4A3386 NRP 4-1/2" x 4-1/2"	US32D	MK
1 Hinge, Full Mortise, Hvy Wt	T4A3386 QC 4-1/2" x 4-1/2"	US32D	MK ⚡
1 Key Removable Mullion	CR972BKM 7'2" M57 CT6R		RU
1 Rim Exit Device, Exit Only	ED5200S EO M110 M54 M52 CT6R	630	RU
1 Access Control Rim Exit Device, MELR	ED5200SN-SN200 K157ET BIPS B03 M110 M54 MELR CT6R	630	RU ⚡
1 Interchangeable Core - Exterior	CR8020 Keyed into Existing System	626	RU
2 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
2 Pull	RM202 Mtg-Type 12XHD	US32D	RO
2 Surface Closer	DC6210 A11	689	RU
1 Gasketing	2891APK TKSP		PE
1 Gasketing (mullion)	5110BL		PE
2 Sweep	345APK TKSP		PE
1 Threshold	273x292AFGPK MSES25SS		PE
1 ElectroLynx Harness	QC-CXXX Length as Required		MK ⚡
1 ElectroLynx Harness	QC-C1500P		MK ⚡
1 Position Switch	DPS		SU ⚡
1 Power Supply	AQD (Size and Relays as Required)		SU ⚡

Notes: Access control locking device to be furnished by Authorized Channel Partner (ACP) and installed by Certified Integrator (CI).

Door normally closed and locked.

Entry by valid credential or manual key override.

Always free egress.

Upon activation of the fire alarm or loss of power, door remains locked.

Set: 9.1

Doors: A147.1

Description: Exterior, Single, HMD&F, SN200 Rim Panic, Closer w/Stop, ELR

2 Hinge, Full Mortise, Hvy Wt	T4A3386 NRP 4-1/2" x 4-1/2"	US32D	MK
1 Hinge, Full Mortise, Hvy Wt	T4A3386 QC 4-1/2" x 4-1/2"	US32D	MK ⚡
1 Access Control Rim Exit Device, MELR	ED5200SN-SN200 K157ET BIPS B03 M110 M54 MELR CT6R	630	RU ⚡
1 Interchangeable Core - Exterior	CR8020 Keyed into Existing System	626	RU
1 Pull	RM202 Mtg-Type 12XHD	US32D	RO
1 Surface Closer	DC6210 A11	689	RU
1 Gasketing	2891APK TKSP		PE
1 Sweep	345APK TKSP		PE
1 Threshold	273x292AFGPK MSES25SS		PE
1 ElectroLynx Harness	QC-CXXX Length as Required		MK ⚡
1 ElectroLynx Harness	QC-C1500P		MK ⚡
1 Position Switch	DPS		SU ⚡
1 Power Supply	AQD (Size and Relays as Required)		SU ⚡

Notes: Access control locking device to be furnished by Authorized Channel Partner (ACP) and installed by Certified Integrator (CI).

Door normally closed and locked.

Entry by valid credential or manual key override.

Always free egress.

Upon activation of the fire alarm or loss of power, door remains locked.

Set: 9.2

Doors: Z101

Description: Exterior, Single, HMD&F, SN200 Lock, Closer w/Stop

2 Hinge, Full Mortise, Hvy Wt	T4A3386 NRP 4-1/2" x 4-1/2"	US32D	MK
1 Hinge, Full Mortise, Hvy Wt	T4A3386 QC 4-1/2" x 4-1/2"	US32D	MK ⚡
1 Access Control Mort Lock, Fail Secure	ML20606 x SN200-SEC PSA BIPS B03 CT6R	626	RU ⚡
1 Interchangeable Core - Exterior	CR8020 Keyed into Existing System	626	RU
1 Surface Closer	DC6210 A11	689	RU
1 Gasketing	2891APK TKSP		PE
1 Sweep	345APK TKSP		PE
1 Threshold	273x292AFGPK MSES25SS		PE
1 ElectroLynx Harness	QC-CXXX Length as Required		MK ⚡
1 ElectroLynx Harness	QC-C1500P		MK ⚡
1 Position Switch	DPS		SU ⚡
1 Power Supply	AQD (Size and Relays as Required)		SU ⚡

Notes: Access control locking device to be furnished by Authorized Channel Partner (ACP) and installed by Certified Integrator (CI).

Door normally closed and locked.

Entry by valid credential or manual key override.

Always free egress.

Upon activation of the fire alarm or loss of power, door remains locked.

Set: 10.0

Doors: D102

Description: Exterior, Pair, HMD&F, Nightlatch Rim Panic, Closer w/Stop, DPS

6 Hinge, Full Mortise, Hvy Wt	T4A3386 NRP 4-1/2" x 4-1/2"	US32D	MK
1 Key Removable Mullion	CR972BKM 7'2" M57 CT6R		RU
1 Rim Exit Device, Nightlatch	ED5200S K157ET M110 M54 M52 CT6R	630	RU
1 Rim Exit Device, Exit Only	ED5200S EO M110 M54 M52 CT6R	630	RU
1 Interchangeable Core - Exterior	CR8020 Keyed into Existing System	626	RU
3 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
2 Pull	RM202 Mtg-Type 12XHD	US32D	RO
2 Surface Closer	DC6210 A11	689	RU
1 Gasketing	2891APK TKSP		PE
1 Rain Guard	346A TKSP		PE
1 Gasketing (mullion)	5110BL		PE
2 Sweep	315CN TKSP		PE
1 Threshold	273x292AFGPK MSES25SS		PE
2 Position Switch	DPS		SU ⚡

Set: 11.0

Doors: A148, A149

Description: Exterior, Single, HMD&F, Nightlatch Rim Panic, Closer w/Stop, DPS

3 Hinge, Full Mortise, Hvy Wt	T4A3386 5" x 4-1/2" (NRP as Required)	US32D	MK
1 Rim Exit Device, Nightlatch	ED5200S K157ET M110 M54 M52 CT6R	630	RU
1 Interchangeable Core - Exterior	CR8020 Keyed into Existing System	626	RU
1 Pull	RM202 Mtg-Type 12XHD	US32D	RO
1 Surface Closer	DC6210 A11	689	RU
1 Gasketing	2891AS TKSP		PE
1 Rain Guard	346C TKSP		PE
1 Sweep	315CN TKSP		PE
1 Threshold	273x292AFGPK MSES25SS		PE
1 Position Switch	DPS		SU ⚡

Set: 12.0

Doors: A223

Description: Interior, Pair, AD&F, Manual FB, Office Lock, Closer

2 Continuous Hinge	CFMXXSLF-HD1-M		PE
2 Manual Flush Bolt	555 Length as Required	US26D	RO
1 Dust Proof Strike	570	US26D	RO
1 Entrance Lock	ML2054 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer, PA	DC6210 A3 M85 M78	689	RU
1 Drop Plate	597F58	689	RU
2 Door Stop	406 / 409 / 441	US32D	RO
1 Perimeter Gasketing	By Door and Frame Manufacturer		OT

Notes: Coordinate hardware with Aluminum Door and Frame manufacturer. Provide special templates, brackets, spacers, drop plates and fasteners as required. Confirm hardware finish with architect prior to ordering.

Set: 13.0

Doors: A101.2, A261

Description: Interior, Single, AD&F. SN200 Lock, Closer

1	Continuous Hinge	CFMXXSLF-HD1 SER		PE	⚡
1	Access Control Mort Lock, Fail Secure	ML20606 x SN200-SEC PSA BIPS B03 CT6R	626	RU	⚡
1	Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU	
1	Surface Closer, PA	DC6210 A3 M85 M78	689	RU	
1	Drop Plate	597F58	689	RU	
1	Perimeter Gasketing	By Door and Frame Manufacturer		OT	
1	ElectroLynx Harness	QC-CXXX Length as Required		MK	⚡
1	ElectroLynx Harness	QC-C1500P		MK	⚡
1	Door Release	TS-18		AK	⚡
1	Power Supply	AQD (Size and Relays as Required)		SU	⚡

Notes: Access control locking device to be furnished by Authorized Channel Partner (ACP) and installed by Certified Integrator (CI).

Door normally closed and locked.

Entry by valid credential, remote release or manual key override.

Always free egress.

Upon activation of the fire alarm or loss of power, door remains locked.

Set: 14.0

Doors: A138.1, A138.2, A201, A203, A204, A205, A229.1, A230.1, B214

Description: Interior, Single, AD&F, Office Lock, Closer

1	Continuous Hinge	CFMXXSLF-HD1-M		PE	
1	Entrance Lock	ML2054 PSA CT6R	626	RU	
1	Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU	
1	Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU	
1	Door Stop	406 / 409 / 441	US32D	RO	
1	Perimeter Gasketing	By Door and Frame Manufacturer		OT	

Notes: Coordinate hardware with Aluminum Door and Frame manufacturer. Provide special templates, brackets, spacers, drop plates and fasteners as required. Confirm hardware finish with architect prior to ordering.

Set: 14.1

Doors: A135.2

Description: Interior, Single, AD&F, Office Lock, Closer

1	Continuous Hinge	CFMXXSLF-HD1-M		PE
1	Entrance Lock	ML2054 PSA CT6R	626	RU
1	Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1	Surface Closer	DC6210 A11	689	RU
1	Perimeter Gasketing	By Door and Frame Manufacturer		OT

Notes: Coordinate hardware with Aluminum Door and Frame manufacturer. Provide special templates, brackets, spacers, drop plates and fasteners as required. Confirm hardware finish with architect prior to ordering.

Set: 15.0

Description: FEMA - Interior, Pair, Classroom Panic, Closer

8	Hinge, Hvy Wt	SP3786 NRP 5" x 4-1/2"	US26D	MK
1	Mullion	CRFE707A M95		RU
2	Fire Rated Multi-Point ED, Classroom	FE5400SA PR955ET CT6R	630	RU
2	Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
2	Surface Closer, PA	DC8210 A3 M54	689	RU
2	Latch Cover Kick Plate	BFLG1050 10"	US32D	RO
2	Door Stop	406 / 409 / 441	US32D	RO
1	Gasketing (mullion)	5110BL		PE
1	Gasketing	S773BL		PE
1	Threshold	2715A MSES25SS		PE

Notes: FEMA P361 2021 / ICC500-2014 / ICC500-2020 - CERTIFIED BY THIRD PARTY. HARDWARE TO BE FURNISHED AS APPROVED BY DOOR AND FRAME MANUFACTURER.

Set: 16.0

Doors: B010-S, B011-S, B012-S, B019-S

Description: FEMA - Interior, Pair, Classroom Panic, Closer, Mag HO

8 Hinge, Hvy Wt	SP3786 NRP 5" x 4-1/2"	US26D	MK
1 Mullion	CRFE707A M95		RU
2 Fire Rated Multi-Point ED, Classroom	FE5400SA PR955ET CT6R	630	RU
2 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
2 Surface Closer, PA, Unitrol	DC8210 A11 M54	689	RU
2 Latch Cover Kick Plate	BFLG1050 10"	US32D	RO
2 Electromagnetic Holder	99xM	689	RF ⚡
1 Gasketing (mullion)	5110BL		PE
1 Gasketing	S773BL		PE
1 Threshold	2715A MSES25SS		PE

Notes: FEMA P361 2021 / ICC500-2014 / ICC500-2020 - CERTIFIED BY THIRD PARTY. HARDWARE TO BE FURNISHED AS APPROVED BY DOOR AND FRAME MANUFACTURER.

Set: 17.0

Doors: A146.3

Description: Interior, Pair, Manual FB, Storeroom Lock

6 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
2 Manual Flush Bolt	555 Length as Required	US26D	RO
1 Dust Proof Strike	570	US26D	RO
1 Storeroom Lock	ML2057 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surf Overhead Stop	9-x36	652	RF
2 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
2 Silencer	608-RKW		RO

Set: 18.0

Doors: A216

Description: Interior, Pair, Manual FB, Office Lock, Closer

6 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
2 Manual Flush Bolt	555 Length as Required	US26D	RO
1 Dust Proof Strike	570	US26D	RO
1 Entrance Lock	ML2054 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
2 Kick Plate	K1050 10" High CSK BEV	US32D	RO
2 Door Stop	406 / 409 / 441	US32D	RO
2 Silencer	608-RKW		RO

Set: 19.0

Doors: B016

Description: Interior, Pair, Storeroom Rim Panic, Closer w/Stop

6 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Key Removable Mullion	CR972BKM 7'2" M57 CT6R		RU
1 Rim Exit Device, Storeroom	ED5200S(A) PR959ET M110 M54 CT6R	630	RU
1 Rim Exit Device, Exit Only	ED5200S(A) EO M110 M54	630	RU
2 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer	DC6210 A11	689	RU
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
2 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
1 Astragal	S772BL		PE
1 Gasketing (mullion)	5110BL		PE
1 Gasketing	S88BL		PE

Set: 20.0

Doors: E213, F111

Description: Interior, Pair, Classroom Rim Panic, Closer

6 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Key Removable Mullion	CR972BKM 7'2" M57 CT6R		RU
2 Rim Exit Device, Classroom	ED5200S(A) PR955ET M110 M54	630	RU
3 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
2 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
2 Kick Plate	K1050 10" High CSK BEV	US32D	RO
2 Door Stop	406 / 409 / 441	US32D	RO
2 Silencer	608-RKW		RO

Set: 21.0

Doors: A143.1

Description: Interior, Pair, Passage Rim Panic, Closer

6 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
2 Surface Vert Rod Exit, Passage	ED5470(B) PR910ET M110 M54	630	RU
2 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
2 Kick Plate	K1050 10" High CSK BEV	US32D	RO
2 Door Stop	406 / 409 / 441	US32D	RO
2 Silencer	608-RKW		RO

Set: 22.0

Doors: E211.1, E211.2

Description: Interior, Pair, Passage Rim Panic, Closer, STC

6 Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
2 Surface Vert Rod Exit, Passage	ED5470(B) PR910ET M110 M54	630	RU
2 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
2 Kick Plate	K1050 10" High CSK BEV	US32D	RO
2 Door Stop	406 / 409 / 441	US32D	RO
1 STC Gasketing / Threshold	By Door and Frame Manufacturer		OT

Notes: All hardware (hinges, locksets, backsets, closer arms, seals, thickness, etc.) to be coordinated with STC assembly manufacturer.

Set: 23.0

Doors: B010, B011

Description: Interior, Pair, Passage Rim Panic, Closer w/Stop

6 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
2 Surface Vert Rod Exit, Passage	ED5470(B) PR910ET M110 M54	630	RU
1 Surface Closer	DC6210 A11	689	RU
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
2 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
2 Silencer	608-RKW		RO

Set: 24.0

Doors: A143.2, D101, E225.2

Description: Interior, Pair, Classroom Security Rim Panic, Closer

6 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Key Removable Mullion	CR972BKM 7'2" M57 CT6R		RU
2 Rim Exit Device, Classroom Intruder	ED5202S(A) PR955ET M110 M54 CT6R	630	RU
5 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
2 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
2 Kick Plate	K1050 10" High CSK BEV	US32D	RO
2 Door Stop	406 / 409 / 441	US32D	RO
2 Silencer	608-RKW		RO

Set: 25.0

Doors: E210, E219

Description: Interior, Pair, Classroom Security Rim Panic, Closer, Seals

6 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Key Removable Mullion	CR972BKM 7'2" M57 CT6R		RU
2 Rim Exit Device, Classroom Intruder	ED5202S(A) PR955ET M110 M54 CT6R	630	RU
5 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
2 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
2 Kick Plate	K1050 10" High CSK BEV	US32D	RO
2 Door Stop	406 / 409 / 441	US32D	RO
1 Gasketing (mullion)	5110BL		PE
2 Acoustic Seal Set	PEMKOSTCSET-1A	BL	PE

Set: 26.0

Doors: E214

Description: Interior, Pair, Manual FB, Classroom Lock, STC

6 Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
2 Manual Flush Bolt	555 Length as Required	US26D	RO
1 Dust Proof Strike	570	US26D	RO
1 Classroom Lock	ML2055 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
2 Kick Plate	K1050 10" High CSK BEV	US32D	RO
2 Door Stop	406 / 409 / 441	US32D	RO
1 STC Gasketing / Threshold	By Door and Frame Manufacturer		OT

Notes: All hardware (hinges, locksets, backsets, closer arms, seals, thickness, etc.) to be coordinated with STC assembly manufacturer.

Set: 27.0

Doors: A160.1, A160.2, A170.1, A170.2

Description: Interior, Single, SN200 Lock, Closer

2 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Hinge, Full Mortise	TA2714 QC 4-1/2" x 4-1/2"	US26D	MK ⚡
1 Access Control Mort Lock, Fail Secure	ML20606 x SN200-SEC PSA BIPS B03 CT6R	626	RU ⚡
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
3 Silencer	608-RKW		RO
1 ElectroLynx Harness	QC-CXXX Length as Required		MK ⚡
1 ElectroLynx Harness	QC-C1500P		MK ⚡
1 Power Supply	AQD (Size and Relays as Required)		SU ⚡

Notes: Access control locking device to be furnished by Authorized Channel Partner (ACP) and installed by Certified Integrator (CI).

Door normally closed and locked.

Entry by valid credential or manual key override.

Always free egress.

Upon activation of the fire alarm or loss of power, door remains locked.

Set: 28.0

Doors: A146.1, B020

Description: Interior, Single, Storeroom Lock, Closer

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Storeroom Lock	ML2057 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
1 Gasketing	S88BL		PE

Set: 29.0

Doors: B013-S

Description: FEMA - Interior, Single, Storeroom, Closer w/Stop

4 Hinge, Hvy Wt	SP3786 NRP 5" x 4-1/2"	US26D	MK
1 Multi-Point Lock	FE6665 PSA AUX188 CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer, PA, Unitrol	DC8210 A11 M54	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Astragal	S772BL		PE
1 Threshold	2715A MSES25SS		PE

Set: 30.0

Doors: H104

Description: Interior, Single, Office Lock, Closer w/Stop

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Entrance Lock	ML2054 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer	DC6210 A11	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Gasketing	S88BL		PE

Set: 31.0

Doors: A112, A227

Description: Interior, Single, Storeroom Rim Panic, Closer

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Rim Exit Device, Storeroom	ED5200S(A) PR959ET M110 M54 CT6R	630	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
1 Gasketing	S88BL		PE

Set: 32.0

Doors: B109, B209

Description: Interior, Single, Storeroom Rim Panic, Closer w/Stop

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Rim Exit Device, Storeroom	ED5200S(A) PR959ET M110 M54 CT6R	630	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer	DC6210 A11	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Gasketing	S88BL		PE

Set: 33.0

Doors: E108

Description: Interior, Single, Classroom Lock, Closer

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Storeroom Lock	ML2057 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
1 Gasketing	S88BL		PE

Set: 34.0

Doors: A134, A217, A219, A228, B004, B015, B105, B110, B205, E104, E116, E202.1, E221, F105, F110

Description: Interior, Single, Storeroom Lock, Closer

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Storeroom Lock	ML2057 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
3 Silencer	608-RKW		RO

Set: 34.1

Doors: B014

Description: Interior, Single, Storeroom Lock, Closer w/Stop

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Storeroom Lock	ML2057 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer	DC6210 A11	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
3 Silencer	608-RKW		RO

Set: 35.0

Doors: A140, A226, B012.1, B013.1

Description: Interior, Single, Storeroom Lock, Closer

3 Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2" (NRP as Required)	US26D	MK
1 Storeroom Lock	ML2057 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
3 Silencer	608-RKW		RO

Set: 35.1

Doors: B210

Description: Interior, Single, Storeroom Lock, Closer w/Stop

3 Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2" (NRP as Required)	US26D	MK
1 Storeroom Lock	ML2057 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer	DC6210 A11	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
3 Silencer	608-RKW		RO

Set: 36.0

Doors: A104, A117, A120, A122, A123.1, A123.2, B008, E102, E103, E227, H108, H114.1, H114.2

Description: Interior, Single, Storeroom Lock

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Storeroom Lock	ML2057 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
3 Silencer	608-RKW		RO

Set: 37.0

Doors: A103.1, A124.1, A124.2, A124.3, A131, A135.1, B001.1, B009, E115, E220

Description: Interior, Single, Office Lock, Closer

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Entrance Lock	ML2054 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
3 Silencer	608-RKW		RO

Set: 38.0

Doors: A103.2, A105.1, A106.2, A107.1, A107.2, A110, A113, A115, A116, A118.1, A119, A121, A125, A126, A127, A128, A133, A136, A202.1, A202.2, A229.2, E101, E126, E127, E228

Description: Interior, Single, Office Lock

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Entrance Lock	ML2054 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
3 Silencer	608-RKW		RO

Set: 39.0

Doors: E212

Description: Interior, Single, Office Lock, STC

3 Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2" (NRP as Required)	US26D	MK
1 Entrance Lock	ML2054 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
1 STC Gasketing / Threshold	By Door and Frame Manufacturer		OT

Notes: All hardware (hinges, locksets, backsets, closer arms, seals, thickness, etc.) to be coordinated with STC assembly manufacturer.

Set: 40.0

Doors: B103.1, B103.2, B107.1, B107.2, B108.1, B108.2, B113.1, B113.2, B203.1, B203.2, B207.1, B207.2, B208.1, B208.2, B213.1, B213.2, E106.1, E106.2

Description: Interior, Single, Classroom Intruder Lock, Closer

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Rim Exit Device, Classroom Intruder	ED5202S(A) PR955ET M110 M54 CT6R	630	RU
2 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
3 Silencer	608-RKW		RO

Set: 41.0

Doors: A218.2, A220.2, E119.2, E121.2

Description: Interior, Single, Communicating Lock

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Store Door Lock	ML2022 PSA CT6R	626	RU
2 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
3 Silencer	608-RKW		RO

Set: 42.0

Doors: B106.1, B106.2, B112.1, B112.2, B206.1, B206.2, B212.1, B212.2

Description: Interior, Single, Classroom Lock

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Storeroom Lock	ML2057 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
1 Gasketing	S88BL		PE

Set: 43.0

Doors: E215, E216, E217, E218

Description: Interior, Single, Classroom Lock, STC

3 Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2" (NRP as Required)	US26D	MK
1 Storeroom Lock	ML2057 PSA CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
1 STC Gasketing / Threshold	By Door and Frame Manufacturer		OT

Notes: All hardware (hinges, locksets, backsets, closer arms, seals, thickness, etc.) to be coordinated with STC assembly manufacturer.

Set: 44.0

Doors: A141, A144.1, A144.2, A145, A206, A207, A208, A209, A210, A211, A212, A213, A214, A215, A218.1, A220.1, E107.1, E107.2, E107.3, E107.4, E111.1, E111.2, E117, E119, E121.1, E123, E125, E229, F101, F102, H111, H113, H117, E225.1

Description: Interior, Single, Classroom Intruder Lock, Closer

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Classroom Intruder Lock	ML2072 PSA CT6R	626	RU
2 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
1 Gasketing	S88BL		PE

Set: 45.0

Doors: A139

Description: Interior, Single, Passage Latch

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Passage Latch	ML2010 PSA CT6R	626	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
3 Silencer	608-RKW		RO

Set: 46.0

Doors: A102, A108, A109, A114, A129, A130, A224, A225, B005, B104, B111, B204, B211, E105, E222, H115, H116

Description: Interior, Single, Privacy Lock, Closer

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Privacy Lock	ML2030 PSA V50	626	RU
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
1 Gasketing	S88BL		PE

Set: 47.0

Doors: A132, A142, E120, E122, F107, F109

Description: Interior, Single, Privacy Lock

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Privacy Lock	ML2030 PSA V50	626	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
1 Gasketing	S88BL		PE

Set: 48.0

Doors: B002, B007, B017, B018, F106, F108

Description: Interior, Single, Push / Pull, Classroom Deadbolt, Closer

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2" (NRP as Required)	US26D	MK
1 Classroom Deadbolt	DL4117 CT6R	626	RU
1 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU
1 Pull Plate	111x70C	US32D	RO
1 Push Plate	70C-RKW	US32D	RO
1 Surface Closer, PA / RA	DC6210 - A3 or A10	689	RU
1 Kick Plate	K1050 10" High CSK BEV	US32D	RO
1 Door Stop	406 / 409 / 441	US32D	RO
3 Silencer	608-RKW		RO

Set: 49.0

Doors: A146.2, A147, A230.2, B000.5, B001.2, C003.1, C003.2, C004, C101, E107.5, E107.6, G001, G002, G003, G004, G005, G006, G007, G008

Description: By Others

1 All Hardware	By Door and Frame Manufacturer	OT
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Set: 50.0

Doors: F111a, F111b

Description: Existing Opening - Hinges Only

3 Hinges / Wide Throw Hinges	Field Verify	OT
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Notes: Existing opening to be field verified. Provide hinges and closers as required to allow doors to swing 180 degrees.

Set: EP1

Description: Exterior, Pair, AD&F, SN200 Rim Panic, Closer w/Stop, ELR

1 Continuous Hinge	CFMXXSLF-HD1-M		PE	
1 Continuous Hinge	CFMXXSLF-HD1 SER		PE	⚡
1 Key Removable Mullion	CR972BKM 7'2" M57 CT6R		RU	
1 Rim Exit Device, Exit Only	ED5200S EO M110 M54 M52 CT6R	630	RU	
1 Access Control Rim Exit Device, MELR	ED5200SN-SN200 K157ET BIPS B03 M110 M54 MELR CT6R	630	RU	⚡
1 Interchangeable Core - Exterior	CR8020 Keyed into Existing System	626	RU	
2 Interchangeable Core - Interior	CR8000 Keyed into Existing System	626	RU	
2 Pull	RM202 Mtg-Type 12XHD	US32D	RO	
2 Conc Overhead Stop	1-x36	630	RF	
2 Surface Closer, PA	DC6210 A3 M85 M78	689	RU	
2 Drop Plate	597F58	689	RU	
1 Gasketing (mullion)	5110BL		PE	
1 Perimeter Gasketing	By Door and Frame Manufacturer		OT	
2 Sweep	345APK TKSP		PE	
1 Threshold	273x292AFGPK MSES25SS		PE	
1 ElectroLynx Harness	QC-CXXX Length as Required		MK	⚡
1 ElectroLynx Harness	QC-C1500P		MK	⚡
1 Position Switch	DPS		SU	⚡
1 Power Supply	AQD (Size and Relays as Required)		SU	⚡

Notes: Coordinate hardware with Aluminum Door and Frame manufacturer. Provide special templates, brackets, spacers, drop plates and fasteners as required. Confirm hardware finish with architect prior to ordering.

Access control locking device to be furnished by Authorized Channel Partner (ACP) and installed by Certified Integrator (CI).

Door normally closed and locked.
 Entry by valid credential or manual key override.
 Always free egress.
 Upon activation of the fire alarm or loss of power, door remains locked.

Set: EP2

Description: Existing

1 All Hardware	Existing to be Re-Used		OT	
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END OF DOCUMENT

SECTION 08 87 00
GLAZING SURFACE FILMS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes film products applied to glass surfaces.

1.2 DEFINITIONS

- A. Dual Reflective Films: Films where interior visible light reflectance is less than the exterior visible light reflectance. The lower interior reflectance provides improved visibility from the interior to the outdoors without affecting the film's solar performance.
- B. Emissivity: The ability of a surface to absorb far-infrared heat and to reflect it. The lower the emissivity, the lower the far-infrared heat absorption and the greater the far-infrared heat reflectance.
- C. Far-Infrared Heat: Heat radiated from objects at temperatures below 1300 deg F such as heat radiated from: room objects, objects heated by the sun, or a home heating system. Far-infrared heat is different from near-infrared heat that is heat radiated from objects at highly elevated temperatures such as the sun.
- D. Low Emissivity (Low-E) Films: Films with improved far-infrared heat reflection, with the ability to reduce winter heat loss through windows. The reflection of far-infrared heat also reduces the need for summer cooling by reducing the transmission of far-infrared heat from outdoor objects through windows into the interior of a home or building.
- E. Low Reflectance Films: Films whose visible light reflectance values are very close to that of ordinary glass.
- F. Neutral Solar Films: Films that allow visible light to pass without distortion of color and that have equal visible light transmission properties at all wavelengths in the visible range from 380 to 780 nanometers.
- G. Light to Solar Heat Gain Ratio: Ratio of visible light transmission to Solar Heat Gain Coefficient for a glazing system.
- H. Solar Heat Gain Coefficient: The fraction of incident solar radiation that actually passes through that window, including solar energy that is both directly transmitted and that which is absorbed and subsequently released inwardly by re-radiation and conduction.
1. SHGC is expressed as a number between 0 and 1. The lower a window's solar heat gain coefficient, the less solar heat it transmits.
 2. This number is the mathematical complement of the TSER value: The sum of the TSER (Total Solar Energy Rejection, in decimal form) of a glazing system and its SHGC value is 1; therefore, $1 - TSER = SHGC$
- I. Spectrally Selective Solar Films: Films that reduce solar heat gain mainly by reducing the transmission of near-infrared solar radiation with minimal reduction of visible light transmission. Films with a Light to Solar Heat Gain Ratio of above 1.00 are spectrally selective.
- J. Fire Performance: Surface burning characteristics when applied to 1/4 inch, nominal clear glass and tested in accordance with ASTM E84:
1. Flame Spread Index: 25 maximum.
 2. Smoke Developed: 50 maximum.
- K. Minimum Peel Strength: 2,000 grams per inch, average of two specimens when tested in accordance with ASTM D 3330.

1.3 ACTION SUBMITTALS

- A. Product Data: For each film product indicated.
- B. Samples for Color Selection: Manufacturer's standard sample sets showing the full range of colors available for each type of product indicated.
- C. Samples for Verification: 12-inch square samples of each type of glazing film specified, in color specified.
- D. Shop Drawings: identify location for each type of film indicated.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

1.5 CLOSEOUT SUBMITTALS

- A. Warranty: Special warranty specified in this Section.
- B. Maintenance Data and Replacement Instructions: For each type of film overlay to include in maintenance manuals.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Engage a firm experienced in manufacturing systems similar to those indicated for this Project and meeting the standards of the International Standards Organization (ISO), ISO 9001 Quality Assurance in Production and Installation.
- B. Installer Qualifications: Engage an experienced installer certified, licensed, or otherwise qualified by film manufacturer as having the necessary experience, staff, and training to install manufacturer's products according to specified requirements.
- C. Source Limitations: Obtain each type of film overlay through one source from a single manufacturer to provide products of consistent quality in appearance and physical properties.
- D. Mockups: Apply glazing films in locations as directed to verify selections made under sample Submittals and to demonstrate aesthetic effects and qualities of materials and execution.
 - 1. Obtain approval of field samples before continuing with remainder of installation.
 - 2. Maintain field samples during remainder of installation in an undisturbed condition as a standard for judging the completed Work.
 - 3. Approved field samples may become part of the completed Work.
- E. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination."
 - 1. Conduct pre-installation conference in conjunction with installation of mockup.
 - 2. Meet with Owner, Architect, glazing film Installer and glazing film manufacturer's representative.
 - 3. Review methods and procedures related to installation, including manufacturer's written instructions.
 - 4. Examine substrate conditions for compliance with requirements.
 - 5. Review temporary protection measures required during and after installation.
 - 6. Document proceedings, including corrective measures or actions required, and furnish copy of record to each participant.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- B. Store and protect glazing films according to manufacturer's written instructions and as needed to prevent damage, condensation, temperature changes, direct exposure to sun, or other causes.

1.8 PROJECT CONDITIONS

- A. Environmental Limitations: Do not proceed with film installation when ambient and substrate temperature conditions are outside limits permitted by manufacturer and when glass substrates are wet from frost, condensation, or other causes.

1.9 WARRANTY

- A. Manufacturer's Warranty: Fully executed warranty, written in favor of the Owner, agreeing to replace films that deteriorate as defined in "Definitions" Article, within 5 years from date of original installation.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. 3M.
 2. Hanita Coatings.
 3. Safe Haven Defense.

2.2 GLAZING SURFACE FILMS

- A. Film Overlay: Micro-layered applied glazing film products, applied to interior glass surfaces, consisting of the following (from outboard surface to inboard surface), as applicable to each type of film indicated:
1. Removable release liner.
 2. Pressure sensitive adhesive with integral ultraviolet absorbers.
 3. Clear, dyed, or printed pattern layer of polyester film.
 4. Possible layer of metallized or sputtered polyester film.
 5. Possible scratch resistant coating.
- B. Safety and Security Film:
1. Basis-of-Design Product: Safe Haven Defense; SW440BR.
 - a. Performance Characteristics:
 - 1) Protection Level: Exigent protection.
 - 2) Tensile Strength: 32,000 psi.
 - 3) Break Strength: Not less than 1,200 psi.
 - 4) Thickness: As required for performance requirements.
 - 5) Peel Strength: 6 psi.
- C. Translucent Film:
1. Basis-of-Design Product: 3M; CRYSTAL Glass Finishes, Frosted.
 - 1) Performance Characteristics:
 - a) Material: Vinyl.
 - b) Tensile Strength: Not less than 3.5 lbs./in.
 - c) Thickness: 4.7 mil (0.12 mm).
 - d) Shading Coefficient: 0.82.
 - e) Solar Heat Reflectance: 10 percent.
 - f) Solar Heat Transmittance: 64 percent.
 - g) Solar Heat Absorbance: 26 percent.
 - h) Visible Light Reflectance: 12 percent.
 - i) Visible Light Transmittance: 72 percent.
 - j) UV Transmittance: 20 percent.
- D. Patterned Film:
1. Basis-of-Design Product: 3M; FASARA Glass Finishes [Geometric SH2SICMR, Chain Mesh Reflect](#).
 - a. Performance Characteristics:
 - 1) Material: Polyester.
 - 2) Tensile Strength: Not less than 45 lbs./in.
 - 3) Thickness: 3.3 mil (0.08 mm).
- E. Colors and Patterns: As selected by Architect from manufacturer's full range.

2.3 GLAZING FILM ACCESSORIES

- A. General: Provide products complying with requirements of glazing film manufacturer for application indicated, and with a proven record of compatibility with surfaces contacted in installation.
- B. Sealant: Provide manufacturer's standard sealant. Sealant around perimeter is required.
- C. Adhesive: Pressure Sensitive acrylic adhesive system.
- D. Cleaners, Primers, and Sealers: Types recommended by glazing film manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine glass and surrounding adjacent surfaces for conditions affecting installation.
 - 1. Report conditions that may adversely effect installation. In report, include description of any glass that is broken, chipped, cracked, abraded, or damaged in any way.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions for surface preparation.
- B. Immediately before beginning installation of films, clean glass surfaces of substances that could impair glazing film's bond, including mold, mildew, oil, grease, dirt and other foreign materials.
- C. Blade the inside surface of window glass with industrial razors to ensure removal of foreign contaminants.
- D. Protect window frames and surrounding surfaces and materials from damage during installation.

3.3 INSTALLATION

- A. General: Comply with glazing film manufacturers' written installation instructions applicable to products and applications indicated, except where more stringent requirements are indicated.
- B. Install film continuously, but not necessarily in one continuous length. Install with no gaps or overlaps.
- C. If seamed, install with no gaps or overlaps. Install seams vertical and plumb. No horizontal seams allowed.
- D. Do not remove release liner from film until just before each piece of film is cut and ready for installation.
- E. Install film with mounting solution and custom cut to the glass with neat, square comers and edges to within 1/8 inch of the window frame.
- F. Remove air bubbles, wrinkles, blisters, and other defects.
- G. After installation, view film from a distance of 10 feet against a bright uniform sky or background. Film shall appear uniform in appearance with no visible streaks, banding, thin spots or pinholes.
 - 1. If installed film does not meet this criteria, remove and replace with new film.

3.4 CLEANING

- A. Remove excess mounting solution at finished seams, perimeter edges, and adjacent surfaces.
- B. After application of film, wash film using cleaning methods recommended by glazing film manufacturer. Do not use abrasive-type cleaning agents or bristle brushes.
- C. Replace films that cannot be cleaned.

END OF SECTION

SECTION 10 15 00

VIDEO DISPLAY SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

- A. LED message centers.
- B. Control software.
- C. School name sign.

1.2 SUBMITTAL

- A. The electronic LED display manufacturer shall provide a complete technical submittal within 60 days of contract award and shall not proceed with LED Matrix manufacture until the Engineer has approved the submittal.
- B. Submit:
 - 1. All LED display manufacturer qualifications, as specified herein.
 - 2. LED display shop drawing.
 - 3. LED display Riser diagram.
 - 4. AC Site Power Requirements, including legs and Amps per leg.
 - 5. LED display control software operator's manual.
 - 6. LED display installation and maintenance manual.
 - 7. Sealed engineering for the foundation and structure from a Texas Registered Professional Engineer

1.3 QUALIFICATIONS

- A. LED Display Manufacturer shall:
 - 1. Have been in the business of manufacturing permanently mounted outdoor LED displays for a minimum period of 15 years prior to the contract bid date. An "LED" display contains pixels constructed solely of high-intensity discrete LEDs
 - 2. Have in operation a minimum of 100 large outdoor permanently mounted LED displays as defined above. Each of these LED displays shall have operated successfully for a minimum period of one (1) year prior to the contract bid date.
 - 3. Have in operation, as of the contract bid date, a minimum of 100 outdoor LED display systems. All systems shall be owned and operated by five different agencies.
 - 4. Have been in business under the same corporate name for a period of no less than 40 years prior to the contract bid date.
 - 5. Provide a toll-free help desk number that will be staffed from 7 a.m. to 7 p.m.
- B. Experience with manufacturing the following types of electronic sign products shall not satisfy the requirements of this LED display specification:
 - 1. Indoor displays of any size or type
 - 2. Back-lit displays
 - 3. Any type of matrix display that cannot be programmed to show a nearly infinite quantity of messages
 - 4. Any type of matrix display that cannot be programmed to show a nearly infinite quantity of messages
- C. School name sign manufacturer shall
 - 1. Have been in the business of manufacturing permanently mounted electric signs for at least 10 years.
 - 2. Have in operation at least 20 similar signs for schools.
 - 3. Be licensed in the State of Texas as an Electrical Sign Contractor

1.4 WARRANTY

- A. Provide 5 years of parts coverage
- B. Provide toll-free service coordination
- C. Provide a toll-free help desk number that will be staffed from 7 a.m. to 7 p.m.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Daktronics.
- B. Basis-of-Design Product: Daktronics; GT6x 10mm.
 - 1. Character Height: 2.8 inches.
 - 2. Line Spacing: 10.16mm.
 - 3. Pixel Configuration: 3-in-1 SMD.
 - 4. Maximum Brightness: 8,000 mils.
 - 5. Full Color Capability: 281 trillion colors.
 - 6. Viewing Angle: 160 deg horizontal by 70 deg vertical.

2.2 CABINET CONSTRUCTION

- A. Display housing dimensions shall not exceed 42 inches tall by 81 inches wide, unless otherwise indicated. The front-to-back housing depth shall not exceed 6 inches.
- B. Maximum display power shall not exceed 415 watts when 100 percent of the pixels are operating at their maximum possible drive current.
- C. Display shall operate from the following power sources: 120/240 VAC, 60 Hz single-phase, including neutral and earth ground.
- D. Display shall operate in a minimum ambient temperature range of -40 deg to +120 deg F and to a 95 percent humidity.
- E. Internal display component hardware (nuts, bolts, screws, standoffs, rivets, fasteners, etc.) shall be fabricated from stainless steel, aluminum, nylon, or other durable corrosion-resistant materials suitable for the signage application.
- F. Electrical display components shall be 100 percent solid-state.
- G. The presence of ambient radio signals and magnetic or electromagnetic interference, including those from power lines, transformers, and motors, shall not impair performance of the display system.
- H. The display shall contain a full LED matrix. The LED display shall display messages that are continuous, uniform, and unbroken in appearance.
- I. Housing Frame
 - 1. Display materials shall use non-corrosive materials or have a protective coating so they shall be anti-corrosive and not degrade or oxidize.
 - 2. Adequate ventilation shall be provided through convection without the need to provide extra space around the sides or behind the display.
 - 3. Steel mounting points that can be used for mounting purposes shall be provided with the display and have the ability to be adjusted for alternative mounting methods.
 - 4. Shall include lifting supports that can be removed after installation.
- J. Exterior Finish: The LED display border pieces shall be coated with an automotive-grade acrylic urethane paint.
- K. Front Face Construction
 - 1. To meet the display readability requirements, the front face must be constructed in such a manner that it provides high contrast, low sunlight reflection and durability in all weather and site conditions.
 - 2. Minimum features of front face shall:
 - a. Provide UV resistance to prevent discoloring.
 - b. Include louvers for contrast enhancement.
 - c. Use surface materials in the active LED area, such as metal, plastic, or other face materials, designed for low sunlight reflectivity.

L. Serviceability

1. The display housing shall provide safe and convenient front service access for all modular assemblies, components, wiring, and other materials located within the housing.
2. All internal components shall be removable and replaceable by a single technician with basic hand tools.
3. Service access shall be easily obtained by removal of one or more modules in front of the associated internal component.
4. Each module should allow simple removal with a single latch system.
5. Displays shall be designed with service features that minimize potential bodily harm.

2.3 DISPLAY COMPONENTS

A. LED display modules shall be constructed for good readability, long life, and ease of service. Each display module shall be constructed as follows:

1. Each module within the product family shall be designed with the same physical footprint of 12.48 inches by 15.59 inches.
2. All modules and their components shall be fully encapsulated and sealed to meet IP-67 standards.
3. An LED module shall consist of LEDs with all drive electronics mounted on a single Printed Circuit Board (PCB).
4. LEDs shall be auto-inserted in order to maintain quality and uniformity of the LEDs within each LED module.
5. All PCBs shall be wave-soldered to ensure uniformity, quality, and durability of all solder joints.
6. All PCBs shall be cleaned in a manner so as not to contain more than 2 parts per million contaminants.
7. Module signal and electrical connections shall be of the positive locking and removable type. Removal of a module from the display shall not require a de-soldering operation.
8. Data to the modules shall be redundant in that the signal can reach the module from multiple directions in the event of a loss in signal path from either direction.
9. All LED display modules in a single display shall be identical in construction and interchangeable throughout the display with the ability to be field calibrated.
10. All module rows shall include continuous louvers over the LEDs for sunlight shading and enhanced contrast.
11. Modules shall be individually attached to the cabinet frame.
12. Removal of one or more modules shall not affect the display's structural integrity.
13. The failure of a single pixel, module or power supply shall not cause the failure of any other pixel, module or power supply in the display.
14. All modules shall have no less than a 140° horizontal half-intensity viewing angle and a readability angle of 160° horizontal. Vertical readability angle to be no less than 90°.
15. The transition of the viewing intensity shall be consistent throughout the viewing cone.

B. Pixels shall be constructed with discrete LEDs, and these discrete LEDs shall conform to the following specifications:

1. LEDs shall be non-diffused, ultra-bright, solid-state light emitting diodes, 15.85 mm center to center pixel spacing.
2. The red LEDs shall be constructed of AlInGaP technology and the green and blue LEDs shall be constructed of InGaN technology.
3. Each color of LEDs used in all LED displays provided for this contract shall be from the same bin.
4. LED half-life shall be an estimated minimum of 100,000 hours.
5. Display shall have a minimum intensity of 10,000 cd/m² for RGB maximum light output, 4,500 cd/m² for Red maximum light output, and 6,000 cd/m² for Amber maximum light output.

C. Power Supply

1. All power supplies shall be regulated, auto-ranging AC to DC power, with protection for the LED pixel, LED display and driver circuitry in the event of power spikes or surges.
2. Each power supply and their connectors shall be fully sealed to protect from corrosive environmental factors meeting IP-67 standards.

- D. Internal Wiring
 - 1. Wiring for LED display modules and other internal components shall be installed in the housing in a neat and professional manner.
 - 2. Wiring shall not impede the removal of display modules, power supplies or other display components.
 - 3. Wires shall not make contact with or be bent around sharp metal edges.
 - 4. All wiring shall conform to the National Electric Code.
- E. The display shall be protected from electrical spikes and transients.
- F. The manufacturer shall provide an earth-ground lug on the display.

2.4 DISPLAY PERFORMANCE

- A. Display Capability
 - 1. The display shall contain a full LED matrix measuring a minimum of 40 pixel rows high by 125 pixel columns wide, unless otherwise indicated.
 - 2. The LED display shall present messages that are continuous, uniform, and unbroken in appearance.
 - 3. The LED display shall be capable of producing 281 trillion colors for RGB and 4096 shades of color for monochrome red or amber at all dimming levels.
 - 4. Each display pixel shall be composed of one each – red, green, and blue LEDs or one red or one amber
 - 5. The LED display shall be capable of displaying all true type fonts.
 - 6. The display shall be able to display messages composed of any combination of alphanumeric text, punctuation symbols, graphic images, and pre-canned video files.
 - 7. Video and message files shall have up to a 30 frame per second playback capability.
- B. Controller
 - 1. The display's controller shall be able to run independently from a controlling computing device allowing the display to operate even when the controlling device is unhooked or turned off.
 - 2. Communication protocol shall support other matrix products from the vendor such as other outdoor or indoor displays of varying sizes and/or colors.
 - 3. Each controller shall be connected to a light sensor allowing each LED display to automatically adjust brightness according to display direction and lighting conditions.
 - 4. The controller shall allow connection to a temperature sensor that provides accurate site temperatures.
 - 5. Active presentations, stored presentations, schedules, display configuration, time and date shall be stored in non-volatile memory. No external power or battery backup will be required to maintain this data.
- C. Control and Communications
 - 1. The display controller should be DHCP-enabled and allow for static IP addressing.
 - 2. Each single-face display shall be controlled and monitored by its own LED controller.
 - 3. The LED controller shall be able to receive instructions from and provide information by accessing the Venus Control Suite using the following communication modes: Communications through Ethernet Fiber Optic cable run to sign in separate conduit from the electrical service

2.5 CONTROL SOFTWARE

- A. Displays shall be controlled by the Daktronics Venus Control Suite.

2.6 CABINET CONSTRUCTION

- A. Cabinet body and frame shall be manufactured of all aluminum components.
- B. Construction shall be by welding the major frame connections.
- C. All fasteners to be stainless steel.
- D. Paint to be PPG Matthews polyurethane or equivalent, custom color.
- E. To be connected to main sign structure with stainless steel bolts.
- F. Face to be at least 0.177 inch thick acrylic decorated with 3M Scotchcal translucent vinyl, selected from standard colors.

2.7 LIGHTING

- A. Lighting to be with white LEDs, Principle Fusion 3 or equivalent, with matched power supplies.
- B. Sign to be Listed by an approved Listing Agency (UL or equivalent)
- C. Sign to meet all requirements of the current National Electric Code.
- D. School name sign lighting will require a separate dedicated circuit connected to the Energy Management System for control.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Mounting structure to be installed by contractor to support desired displays in all locations. Verify that separate conduit is in place for power and data to display, unless fiber is being used. Verify that all control equipment has access to 120 VAC.

3.2 ENGINEERING

- A. Sign subcontractor / installer to submit sealed engineering for the foundation / piers and structure. Engineer to be a Registered Professional Engineer currently licensed in Texas.

3.3 INSTALLATION

- A. Support structure design depends on the mounting methods, display size, and weight. The structure design is critical and should be done only by a qualified individual. It is the customer's responsibility to ensure that the structure and mounting hardware are adequate.
- B. It is the customer's responsibility to ensure that the installation meet local standards. The mounting hardware shall be capable of supporting all components to be mounted.
- C. Possible power and signal entrances are designated by etched markings. Separate conduit must be used to route the power, signal in wires, and signal out wires.
- D. Displays must be grounded according to the provisions outlined in Article 250 of the National Electrical Code. The display must be connected to earth-ground. Proper grounding is necessary for reliable equipment operation and protects the equipment from damaging electrical disturbances and lightning.
- E. Installation will require two (2) 120 volt circuits: One hot 24/7 to power the electronic sign, the other, for the school name sign, to be connected to the school Energy Management System. Fiber Optic Cable to meet the manufacturer's specifications and to be run in separate conduit from electrical service.

END OF SECTION

STRUCTURAL NOTES

GENERAL:

- GN-1 THE DETAILS DESIGNATED AS "TYPICAL DETAILS" APPLY GENERALLY TO THE AREAS IN THE DRAWINGS WHERE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN DETAILS.

DEFERRED SUBMITTAL:

- D0-1 SUBMITTALS LISTED IN DD-2 ARE TO BE DESIGNED, DETAILED, SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF TEXAS.

BUILDING PAD PREPARATION & FOUNDATION:

THE PROJECT GEO TECHNICAL REPORT AND ANY ADDENDUMS WERE USED IN THE DESIGN. THE GENERAL CONTRACTOR SHALL OBTAIN A COPY OF THIS INFORMATION AND BECOME FAMILIAR PRIOR TO THE BEGINNING OF ANY FOUNDATION WORK.

- U-1 PROVIDE TEMPORARY PROVISION FOR DRAINAGE OF THE BUILDING PAD AREA DURING CONSTRUCTION AND PERMANENT DRAINAGE AWAY FROM BUILDING AFTER CONSTRUCTION.

FOUNDATIONS:

- FD-1 REFER TO THE PROJECT GEO TECHNICAL REPORT FOR SUBSOIL CONDITIONS THAT MAY BE ENCOUNTERED DURING THE FOUNDATION INSTALLATION.

DESIGN LOADS:

- DL-1 APPLICABLE CODES AND STANDARDS BUILDING CODE OF JURISDICTION: 2018 INTERNATIONAL BUILDING CODE

CONCRETE AND REINFORCEMENT:

- CN-1 STRUCTURAL CONCRETE SHALL BE IN ACCORDANCE WITH THE CODE APPLICABLE EDITION OF "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318)", THE AMERICAN CONCRETE INSTITUTE.

FLOOR SLAB:

- FS-1 SOIL SUPPORTED SLABS LOCATION TYPICAL UNLESS NOTED OTHERWISE

EXTERIOR NON-LOAD BEARING LIGHT GAUGE COLD FORM METAL FRAMING NOTES:

- LG-1 STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE CODE APPLICABLE EDITION OF THE AMERICAN INSTITUTE OF STEEL INSTITUTE (AISI) "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".

STRUCTURAL STEEL:

- S5-1 STRUCTURAL STEEL SHALL CONFORM TO THE 2010 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISI 360.

STEEL JOISTS:

- SJ-1 STEEL JOISTS AND BRIDGING SHALL CONFORM TO CODE APPLICABLE STEEL JOIST INSTITUTE SPECIFICATIONS. JOISTS AND JOIST BRIDGING SHALL BE DESIGNED TO RESIST A NET UPLIFT PRESSURE.

COMPOSITE STEEL & DECK:

- CS-1 BEAMS SHALL HAVE SHEAR STUDS SPACED AT A MAXIMUM OF 2 FEET ON CENTER, WHETHER INDICATED OR NOT.

ARCHITECTURAL EXPOSED STEEL FRAMING (AESS):

- A5-1 EXPOSED STEEL FINISH AND QUALITY STANDARD ARE CATERGORIZED BASE ON AISC 303-16. BELOW ARE LABELS OF EACH CATEGORY: AESS 1, AESS 2, AESS 3, AESS 4.

EXPOSED CONCRETE FINISH:

- EC-1 EXPOSED CONCRETE FINISH AND QUALITY STANDARD ARE CATERGORIZED BASE ON ACI-307R-14. REFER TO ACI-307R-14 FOR ADDITIONAL INFORMATION. REFER TO FRAMING PLAN, DETAILS, AND FINISH REQUIREMENTS.

POST INSTALLED CONCRETE/ MASONRY ANCHORS:

- PI-1 POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. IF ADHESIVE/ MECHANICAL ANCHOR IS GENERALLY CALLED OUT ON THE CONSTRUCTION DOCUMENTS, ANY ANCHOR MENTIONED BELOW IS ACCEPTABLE.

ABBREVIATIONS:

- & - AND @ - AT HSA - CENTERLINE

- GN-2 THE GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE REQUIREMENTS OF OTHER TRADES (ARCHITECTURAL, MECHANICAL, PLUMBING, ETC.) WITH THE STRUCTURAL DOCUMENTS PRIOR TO FABRICATION OR INSTALLATION OF ANY STRUCTURAL MEMBERS.

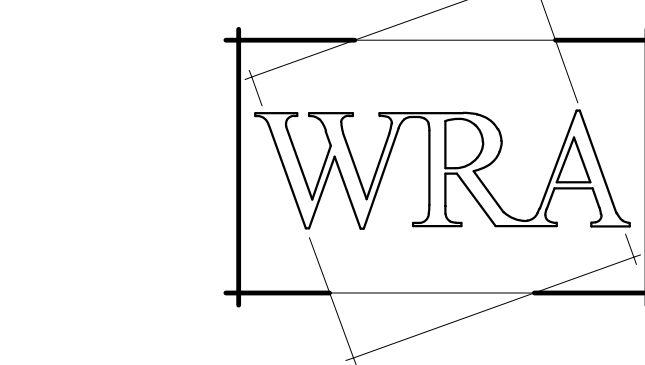
- GN-3 THE CONTRACTOR AND FABRICATOR SHALL VERIFY QUANTITIES, DIMENSIONS AND CONDITIONS THOROUGHLY WITH THE CONTRACT DOCUMENTS AND THEN NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR INCONSISTENCIES BEFORE SUBMITTING SHOP DRAWINGS AND PROCEEDING WITH THE WORK.

- GN-4 COMPLETED SHOP DRAWINGS SHALL BE PROVIDED, AS SPECIFIED, FOR FABRICATED ITEMS AND SHALL BE REVIEWED BY THE GENERAL CONTRACTOR PRIOR TO FABRICATION.

- S5-2 WELDING: CODE APPLICABLE EDITION OF THE STRUCTURAL WELDING CODE - STEEL AMERICAN WELDING SOCIETY (AWS D1.1 AND AWS D1.3).

- S5-3 VERIFY THE SIZE AND LOCATION OF FLOOR AND ROOF OPENINGS FOR MECHANICAL AND ELECTRICAL REQUIREMENTS AND COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTOR PRIOR TO FABRICATION OF MATERIALS.

- CS-2 COMPOSITE STEEL BEAMS DO NOT REQUIRE SHORING DURING PLACEMENT OF CONCRETE SLAB.



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09.19.2024

MECHANICAL ANCHORS FOR SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC208.1R OR AC208.2R.

MECHANICAL ANCHORS FOR SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC88.

PRE-APPROVED MECHANICAL ANCHORS FOR SOLID-GROUTED CONCRETE MASONRY INCLUDE: A) SIMPSON STRONG-TIE "SET" AND "SET-XP"

ADHESIVE ANCHORS FOR SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC08.

PRE-APPROVED MECHANICAL ANCHORS FOR SOLID-GROUTED CONCRETE MASONRY INCLUDE: A) SIMPSON STRONG-TIE "SET" AND "SET-XP"

ADHESIVE ANCHORS FOR SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC08.

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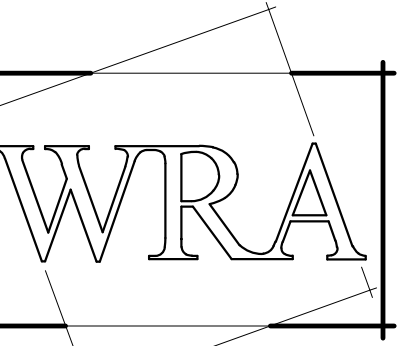
ADHESIVE ANCHORS FOR SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC08.

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REVISIONS: No. 1 Date 08/04/2024

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S101

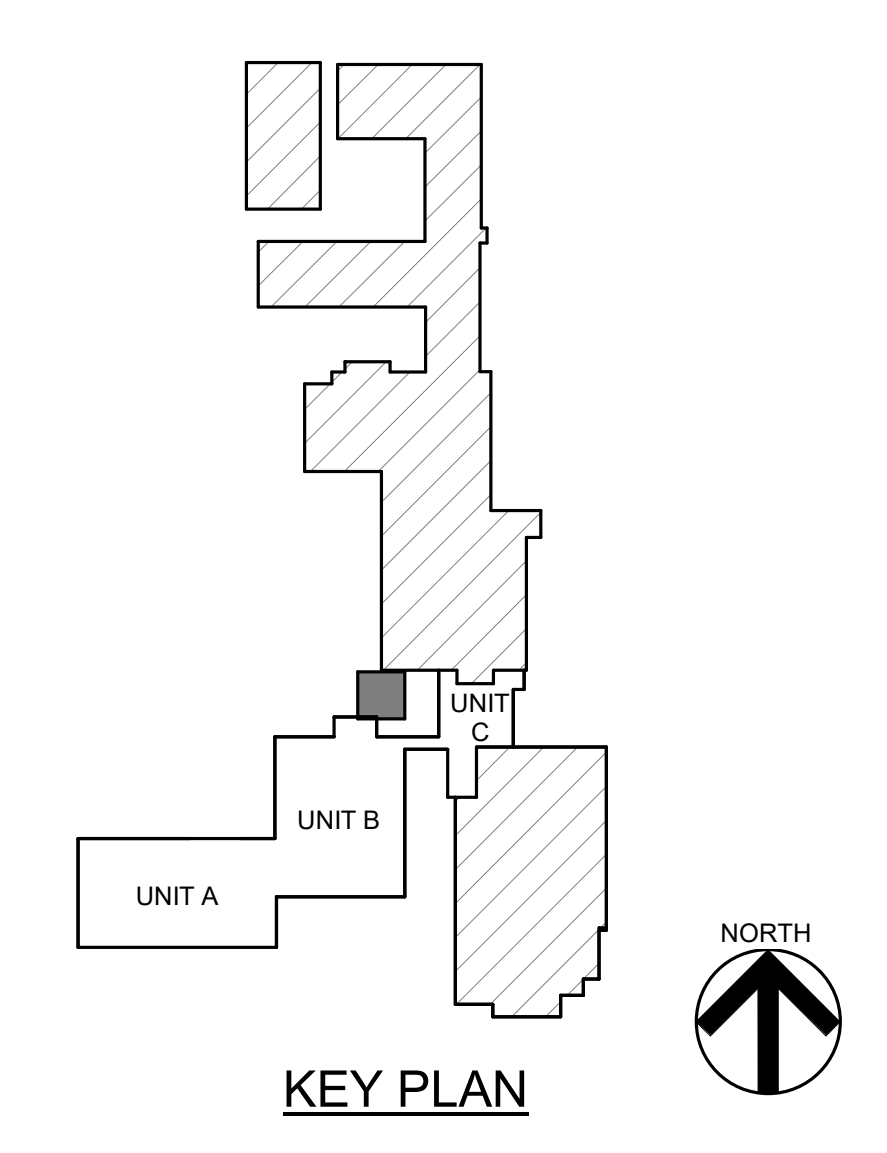
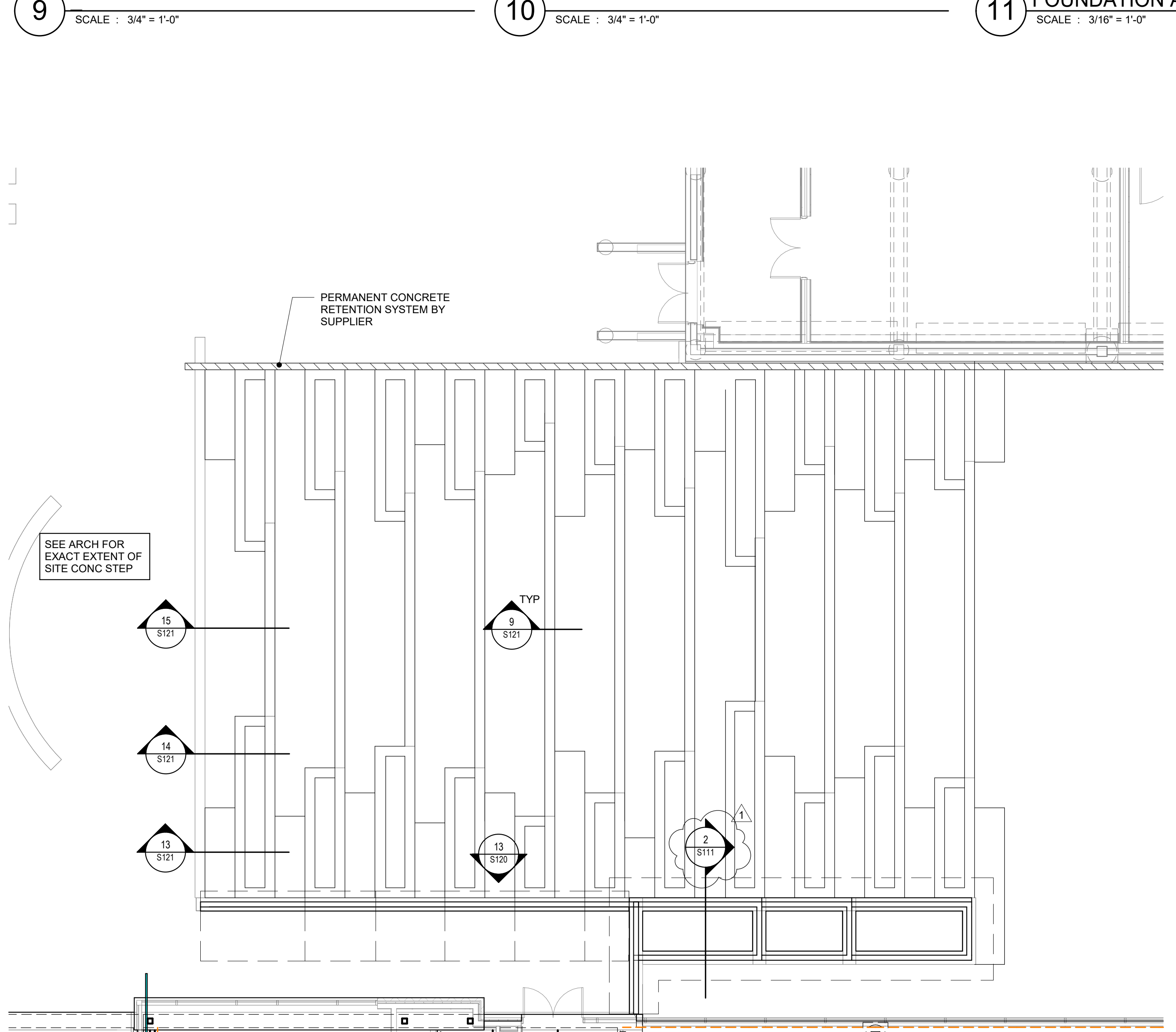
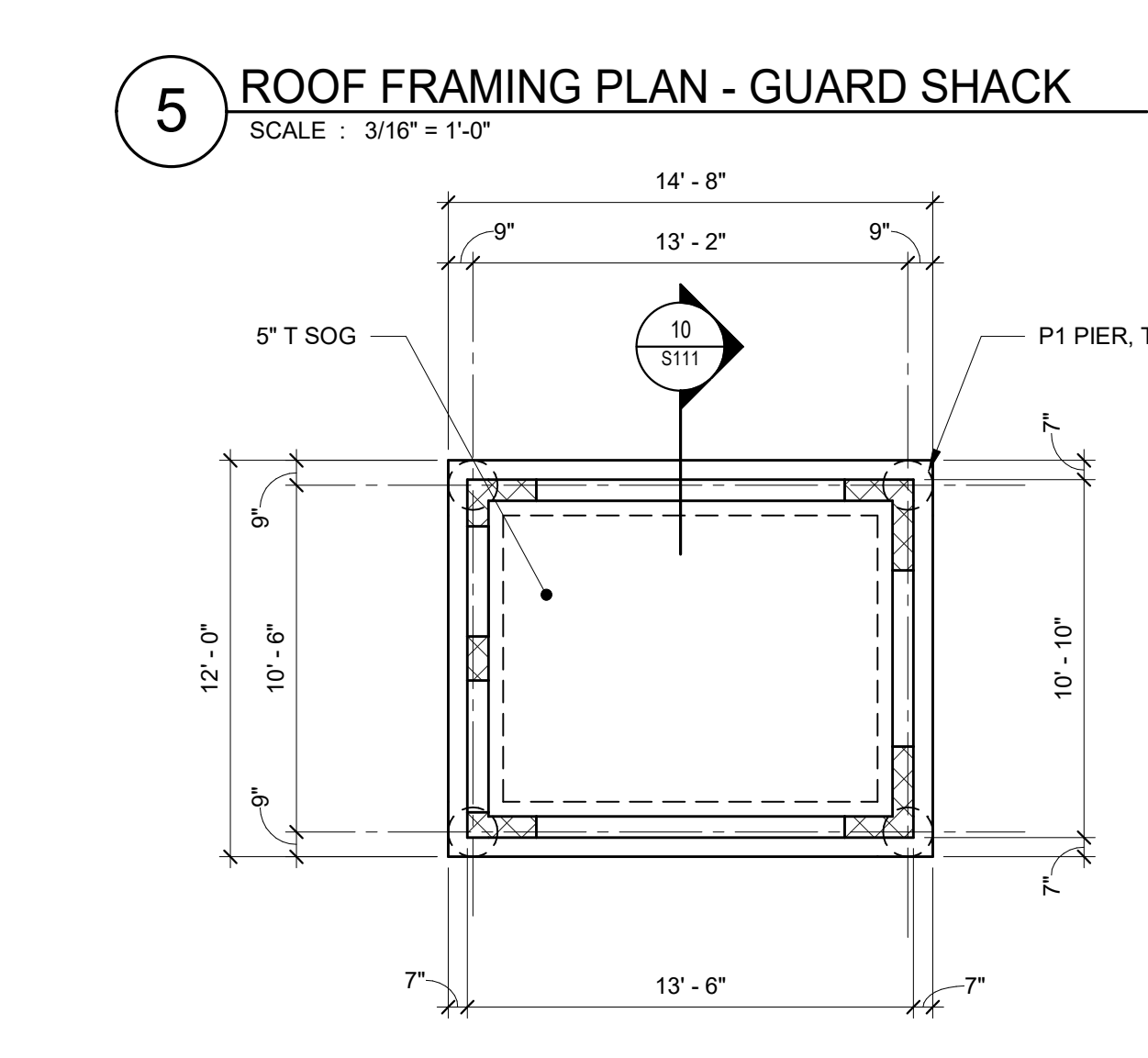
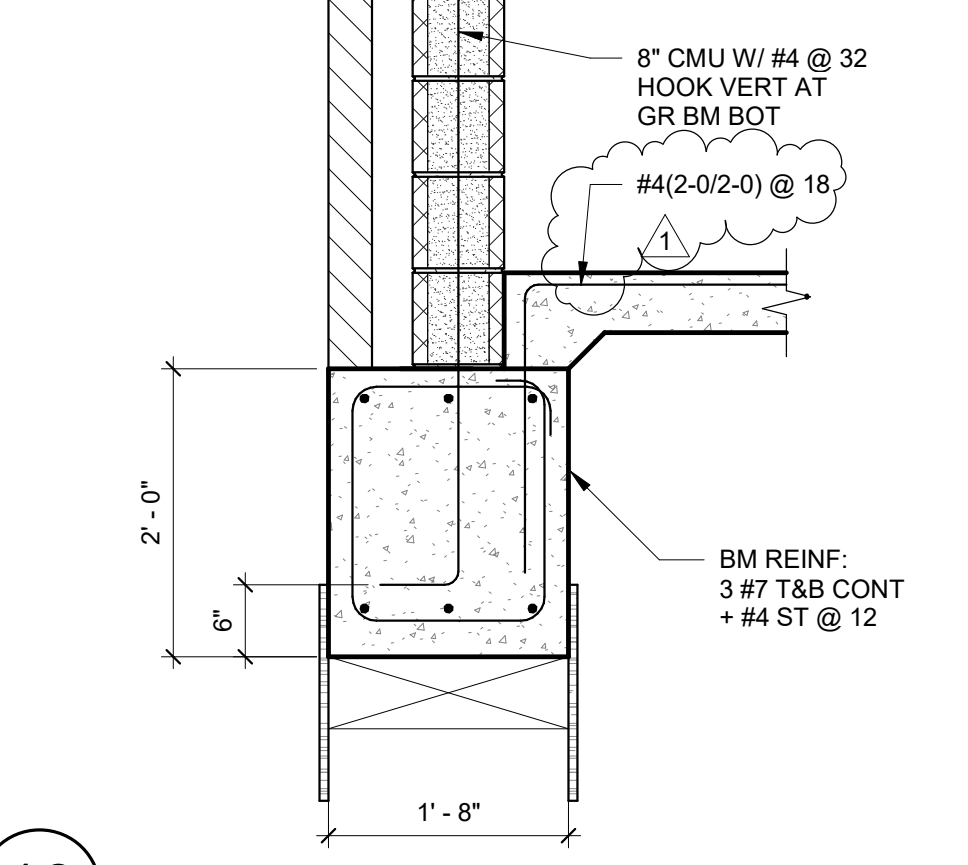
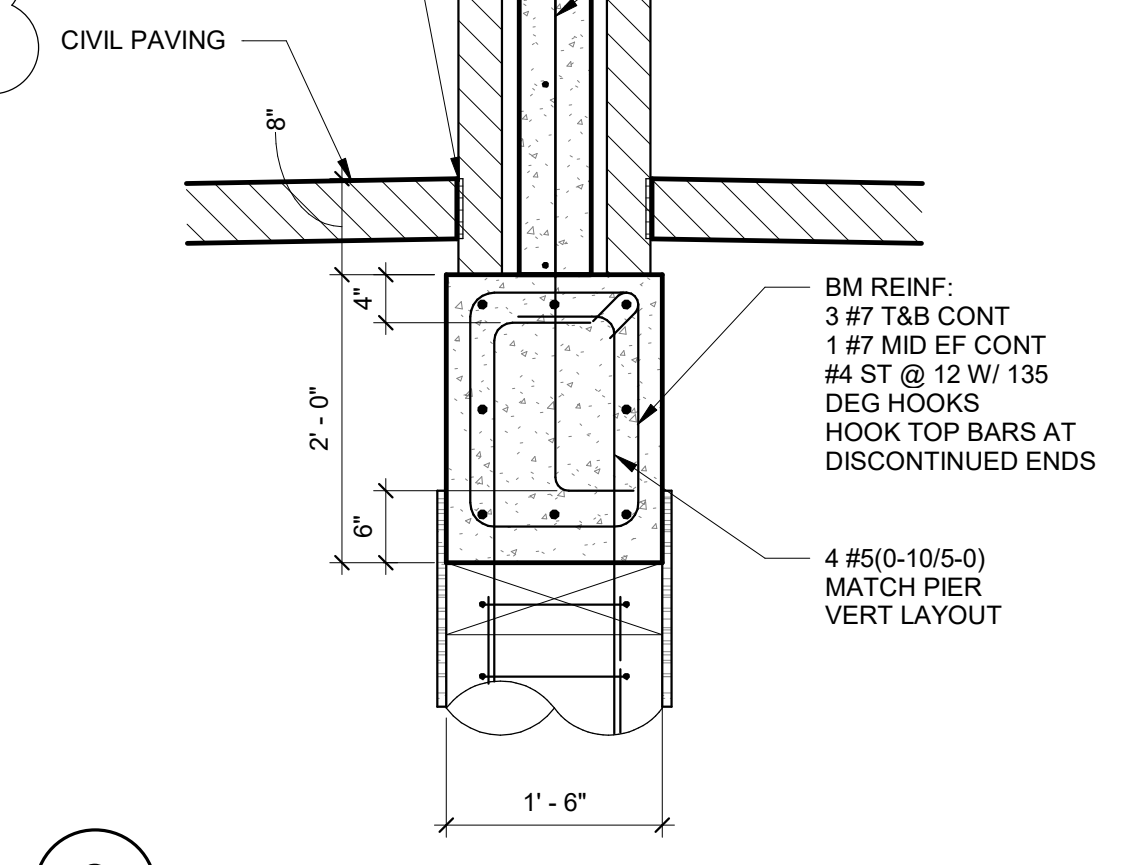
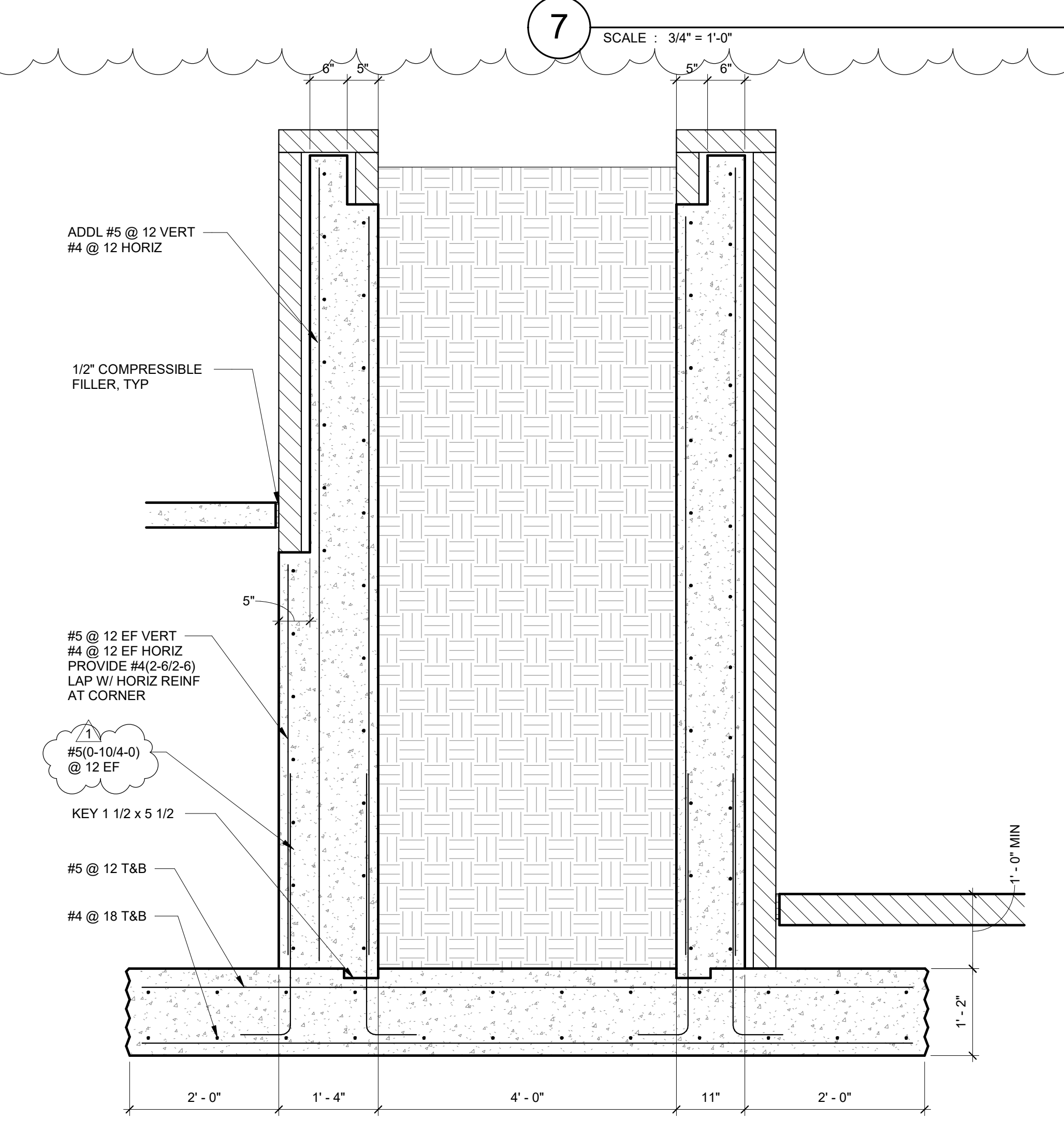
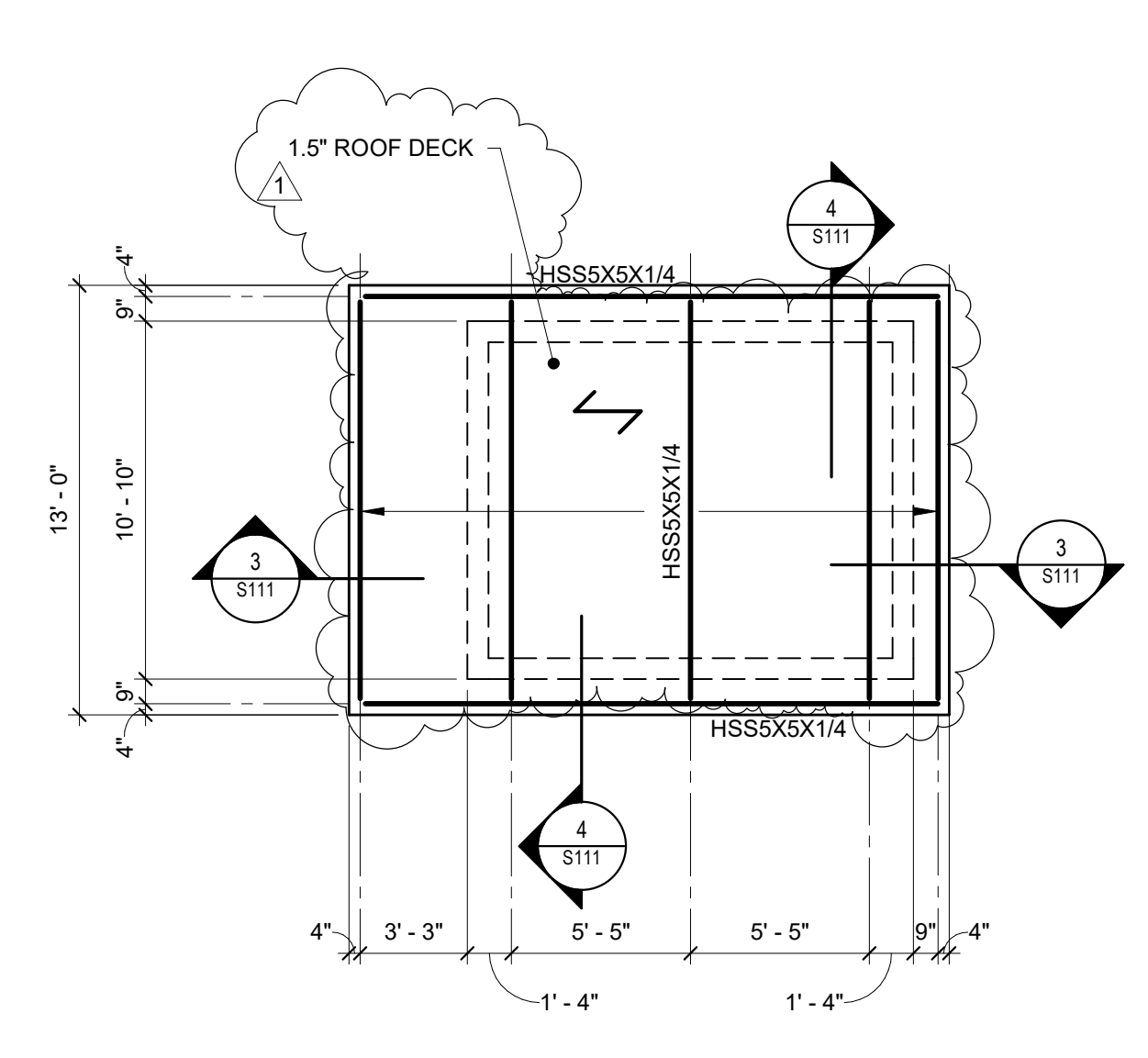
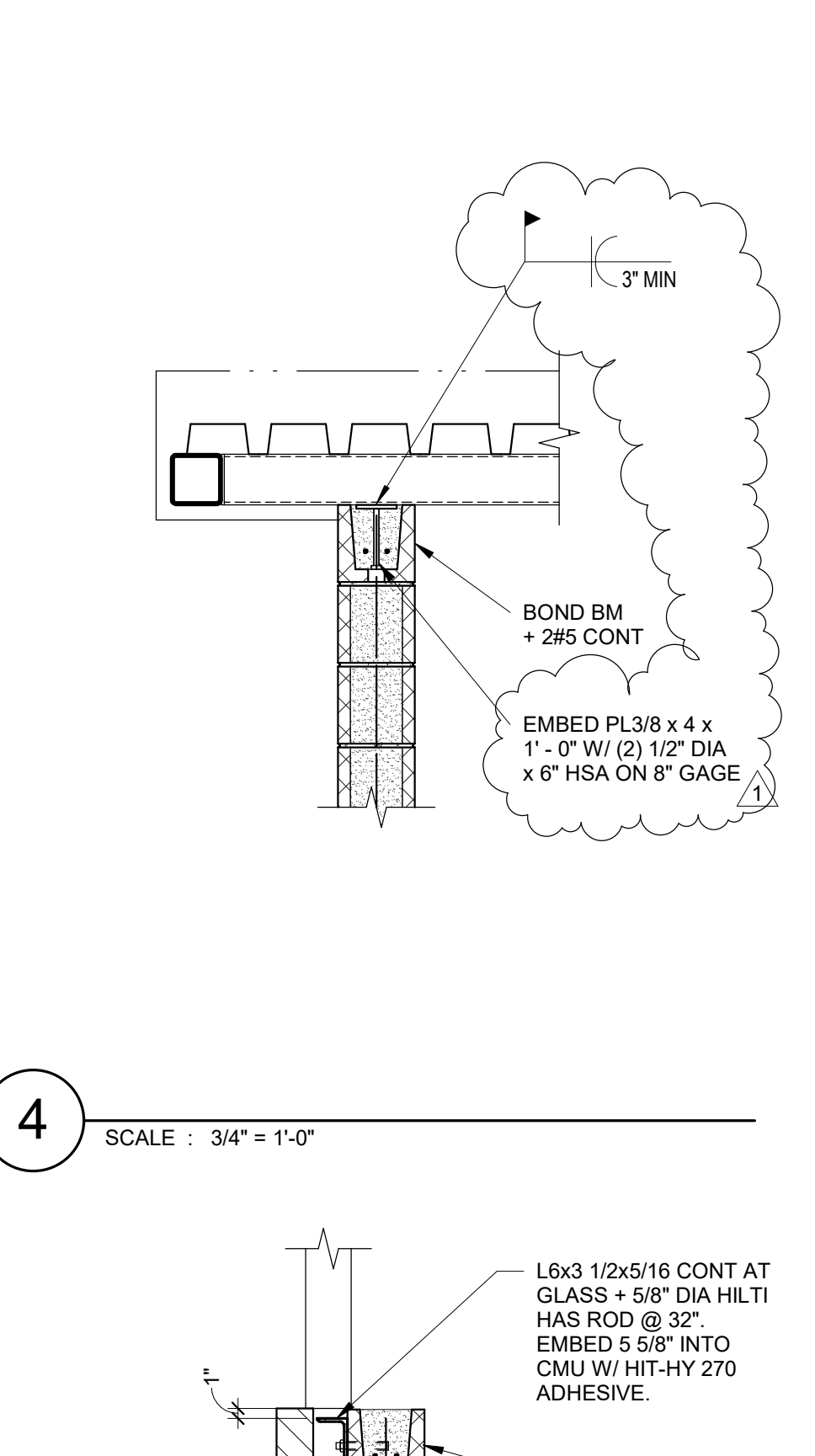
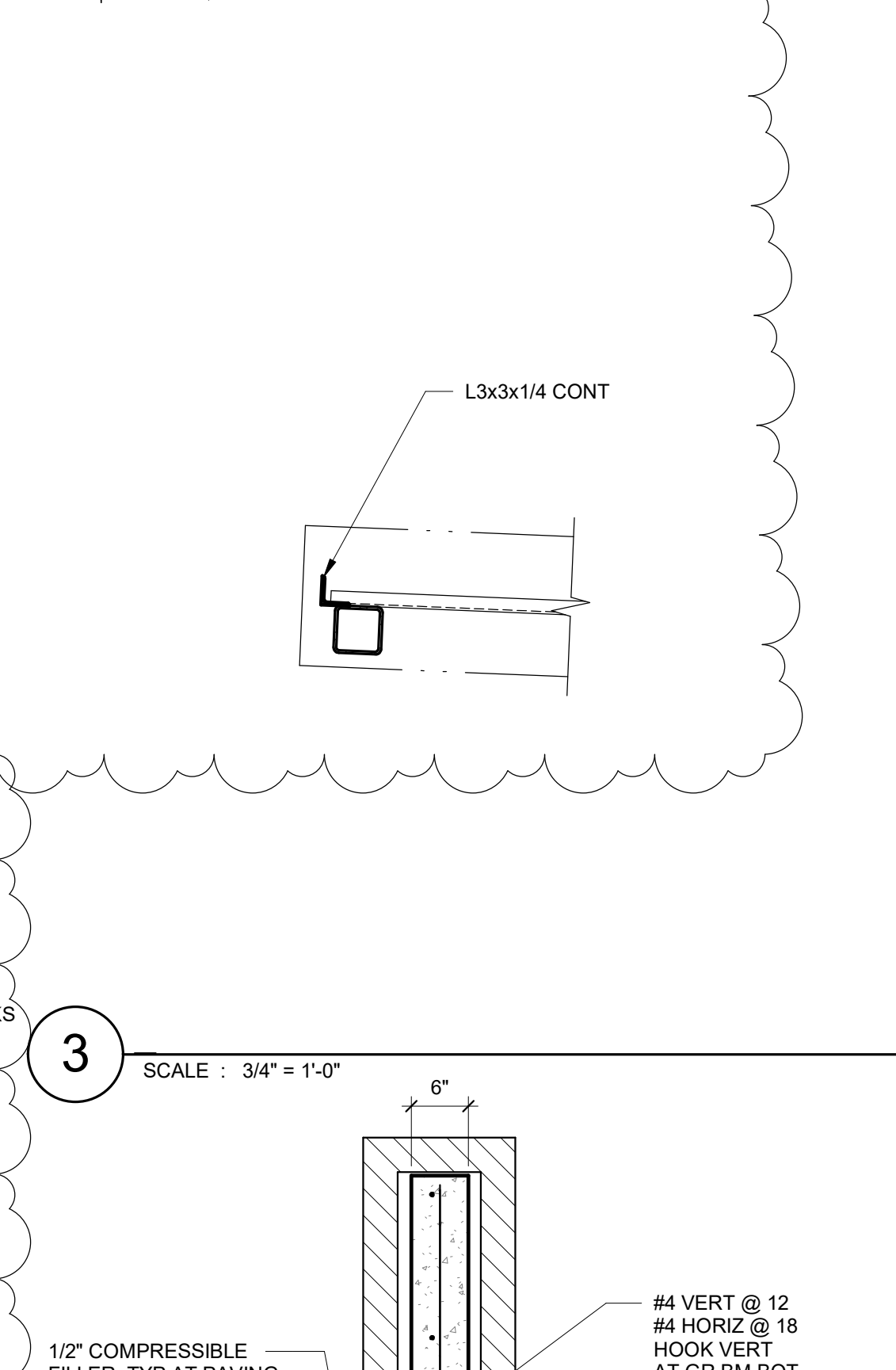
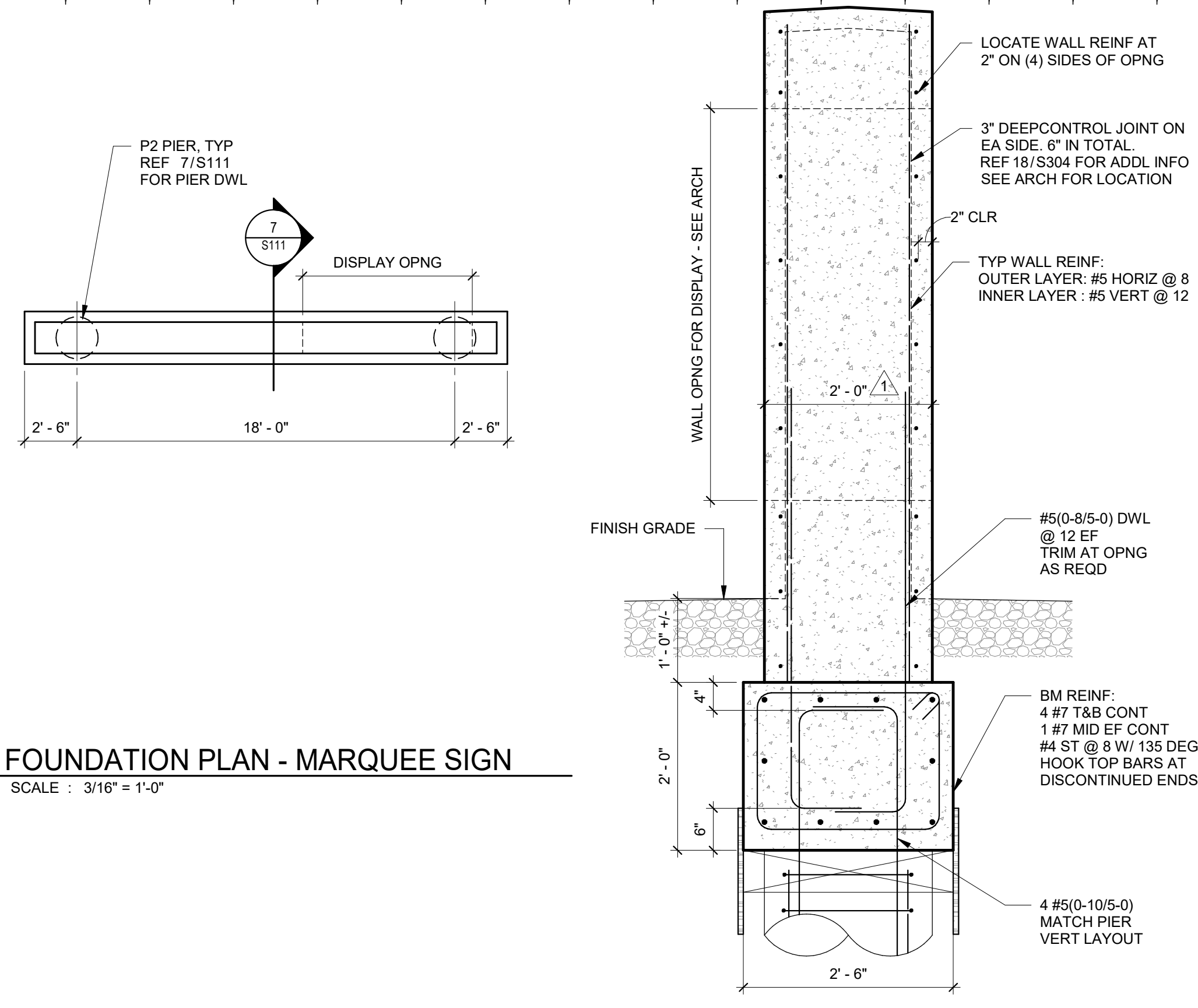


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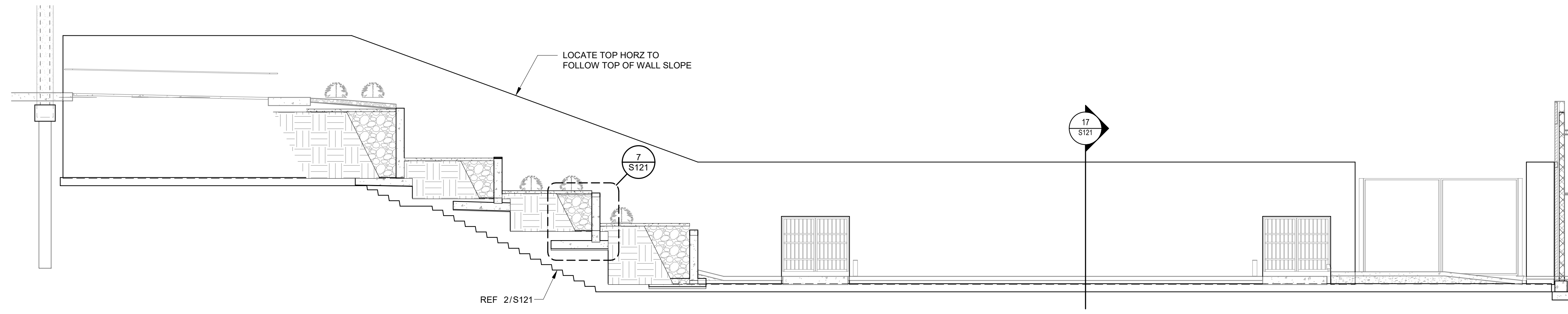
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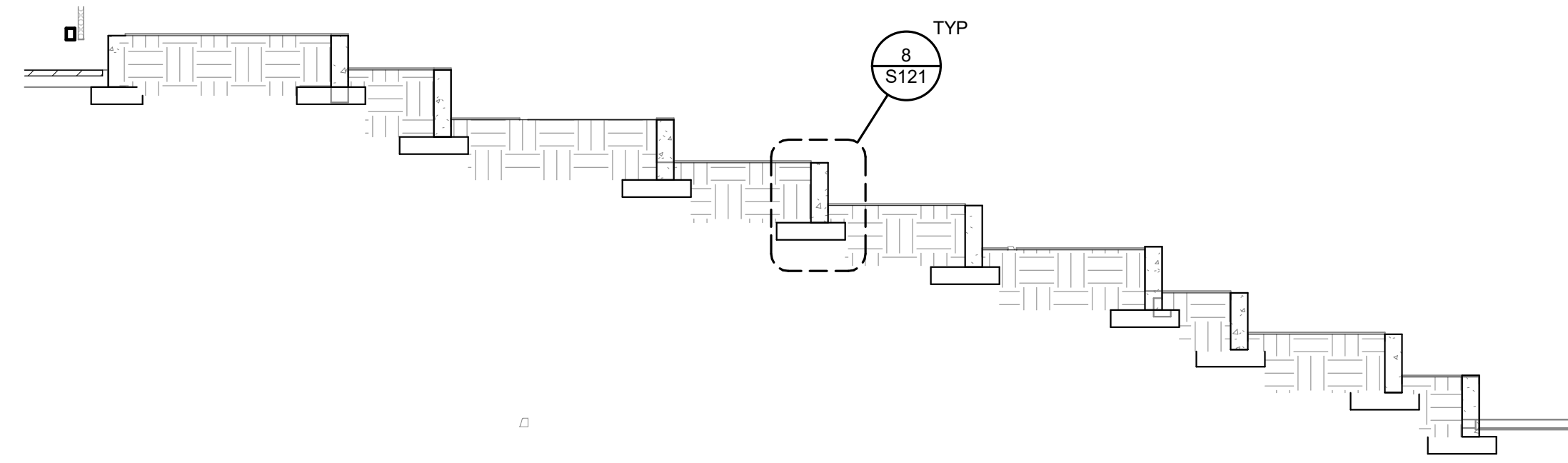
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No.	Date
1	ADDENDUM #1 2024.09.19

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 P-1010

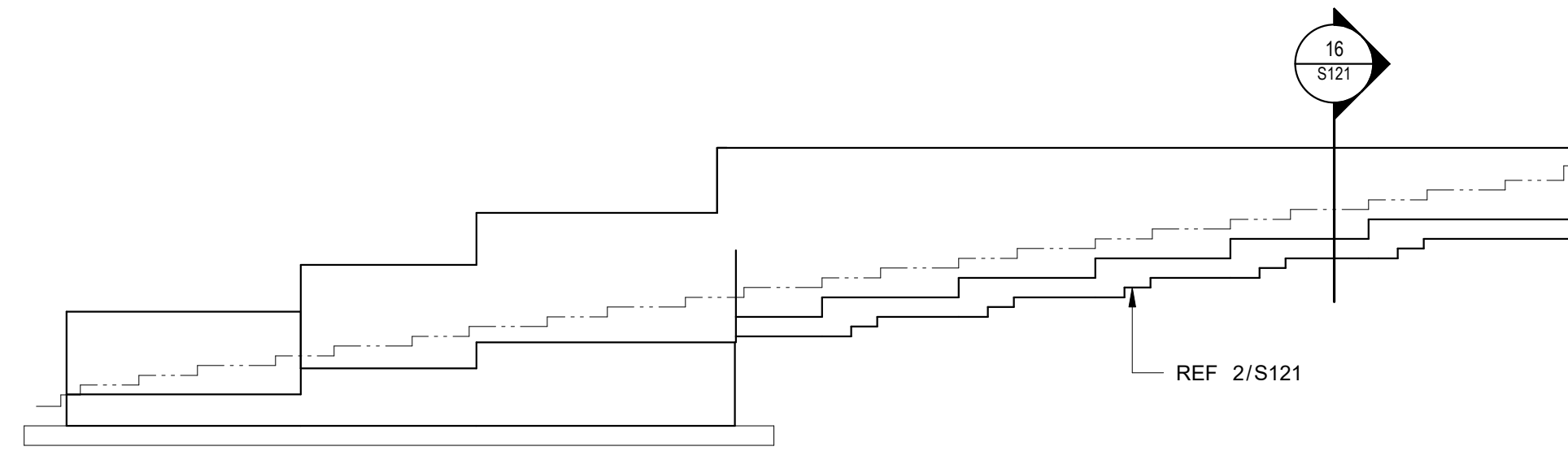
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 SITE PLANS AND DETAILS
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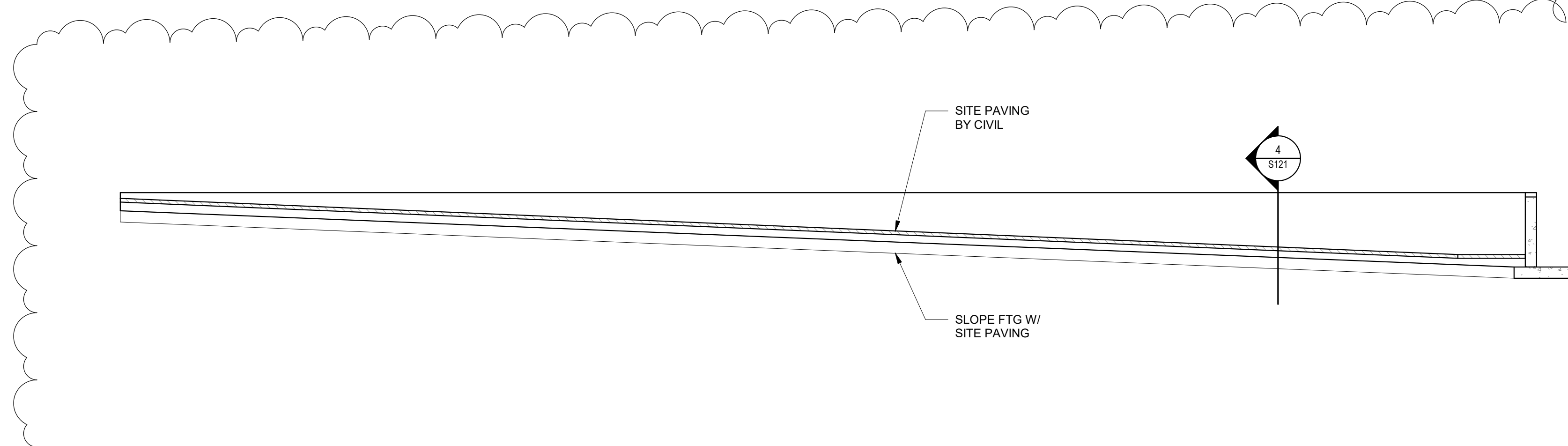
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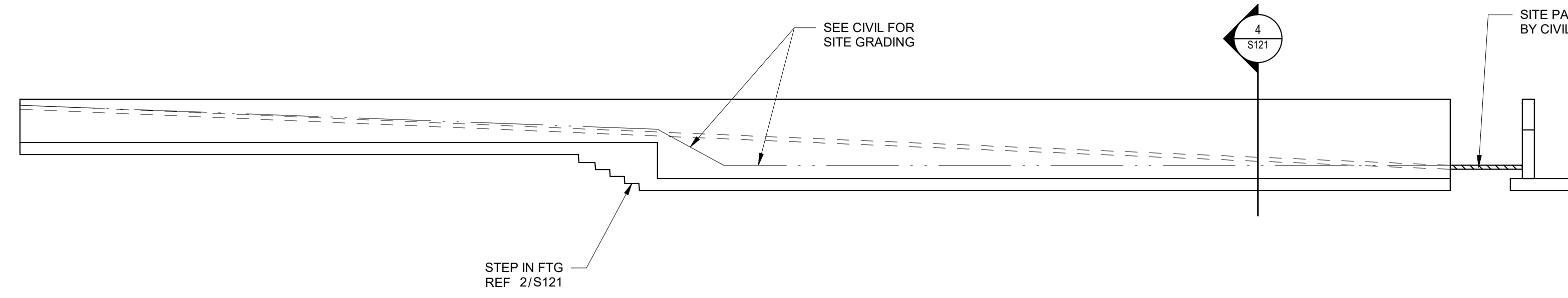
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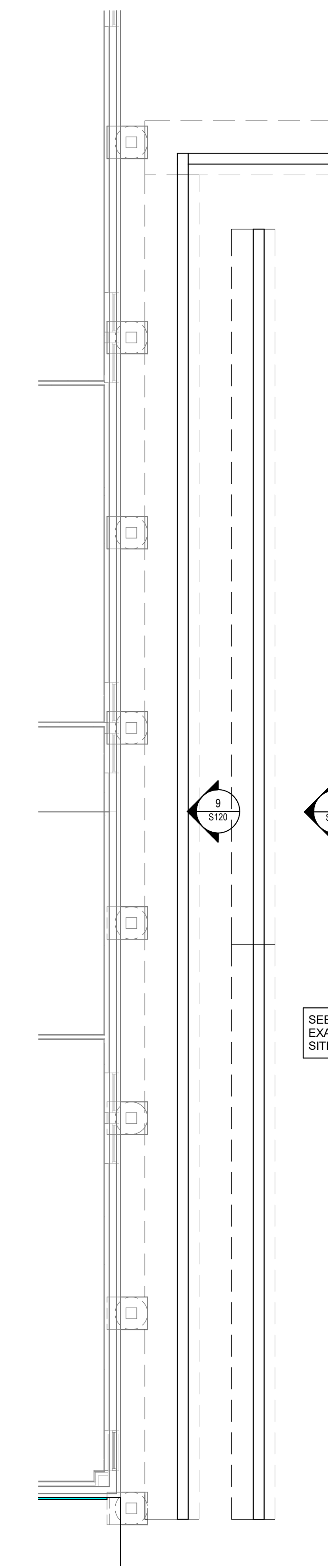
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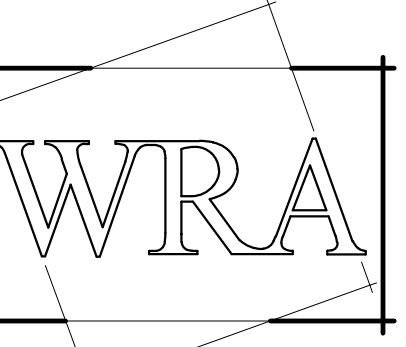
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15 UNIT E - SITE RETAINING WALL ELEVATIONS SCALE : 1/8" = 1'-0"



18 UNIT E - SITE RETAINING WALLS SCALE : 1/8" = 1'-0"



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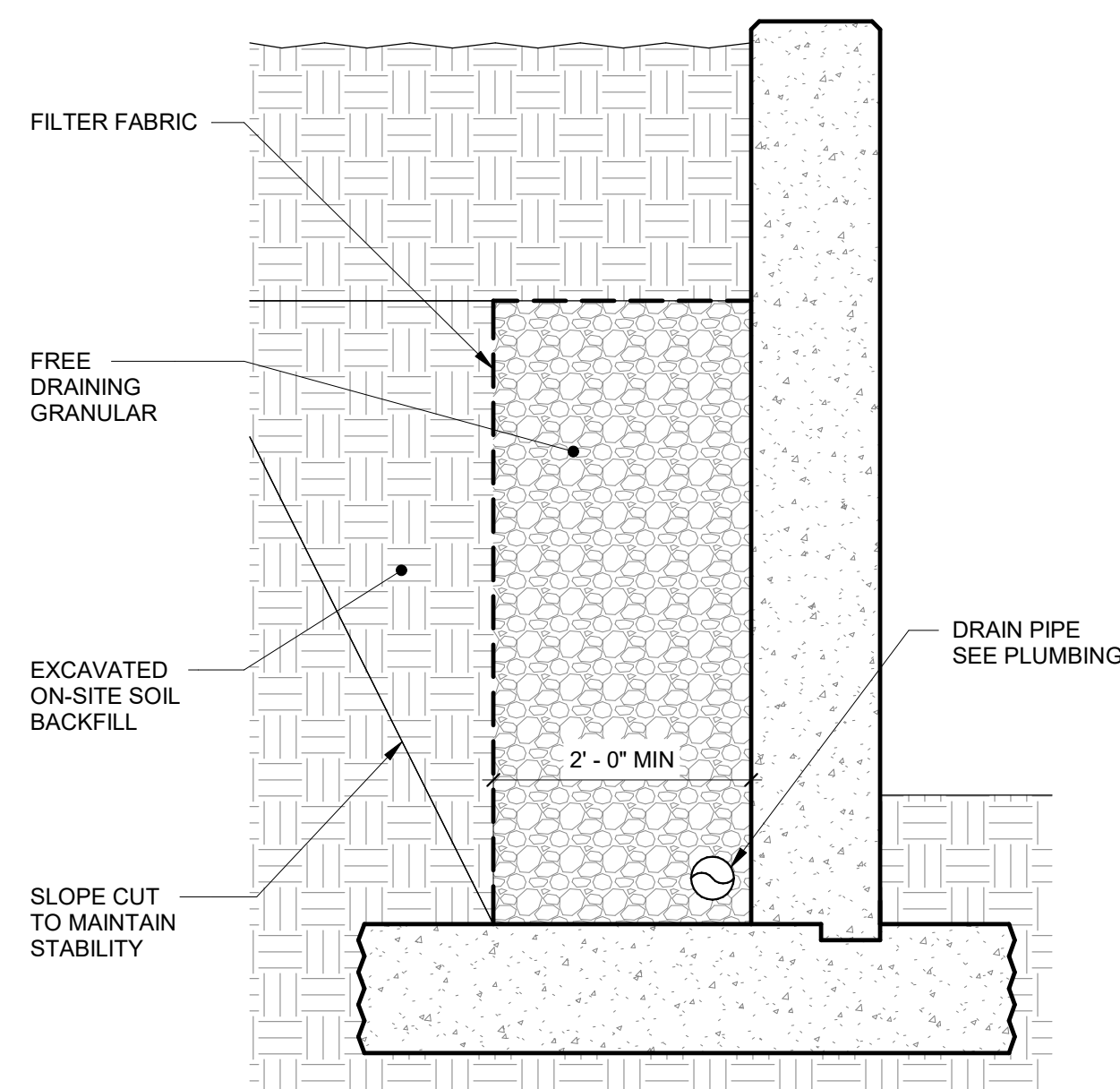
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DATE:	09/04/2024

SITE PLANS AND DETAILS

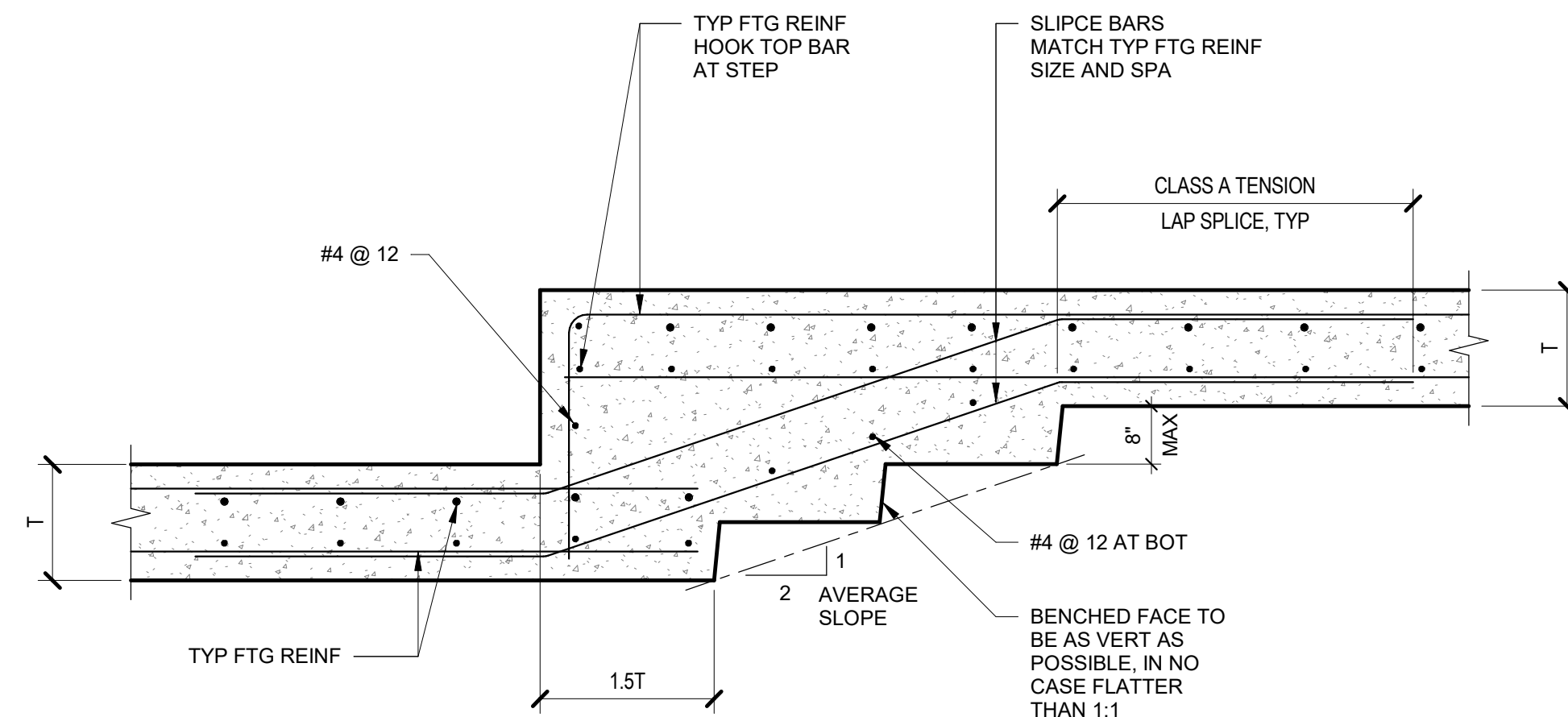
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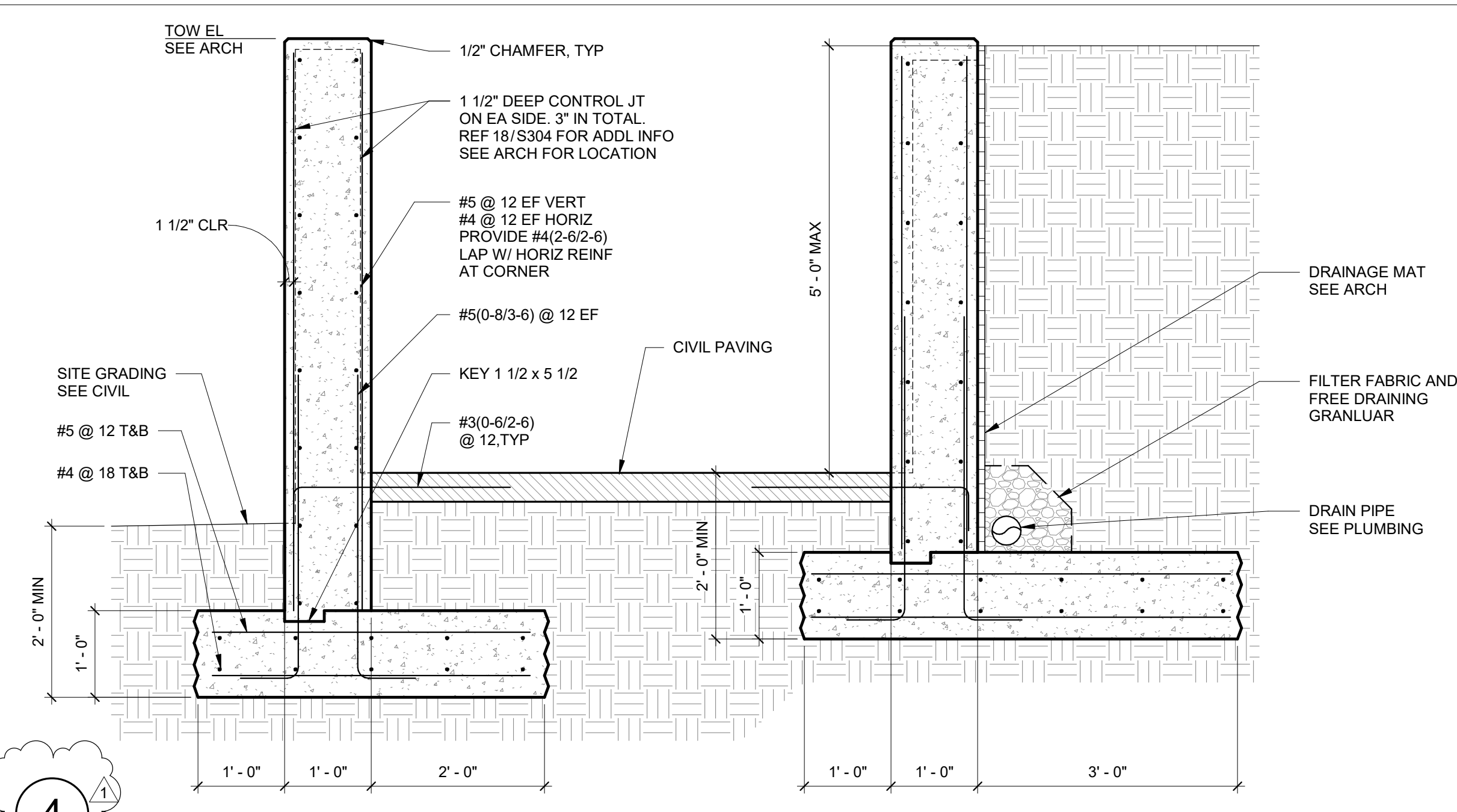
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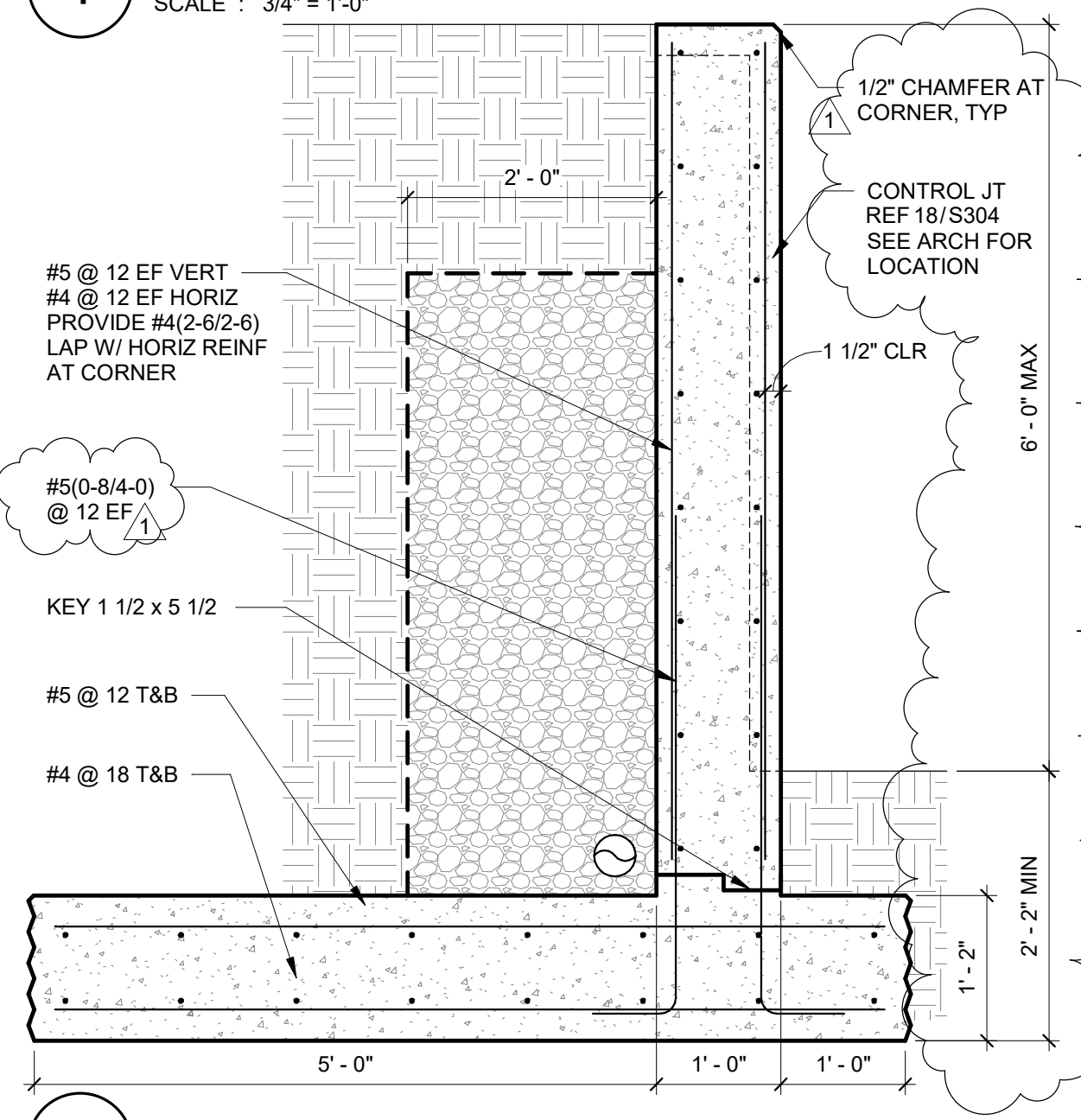
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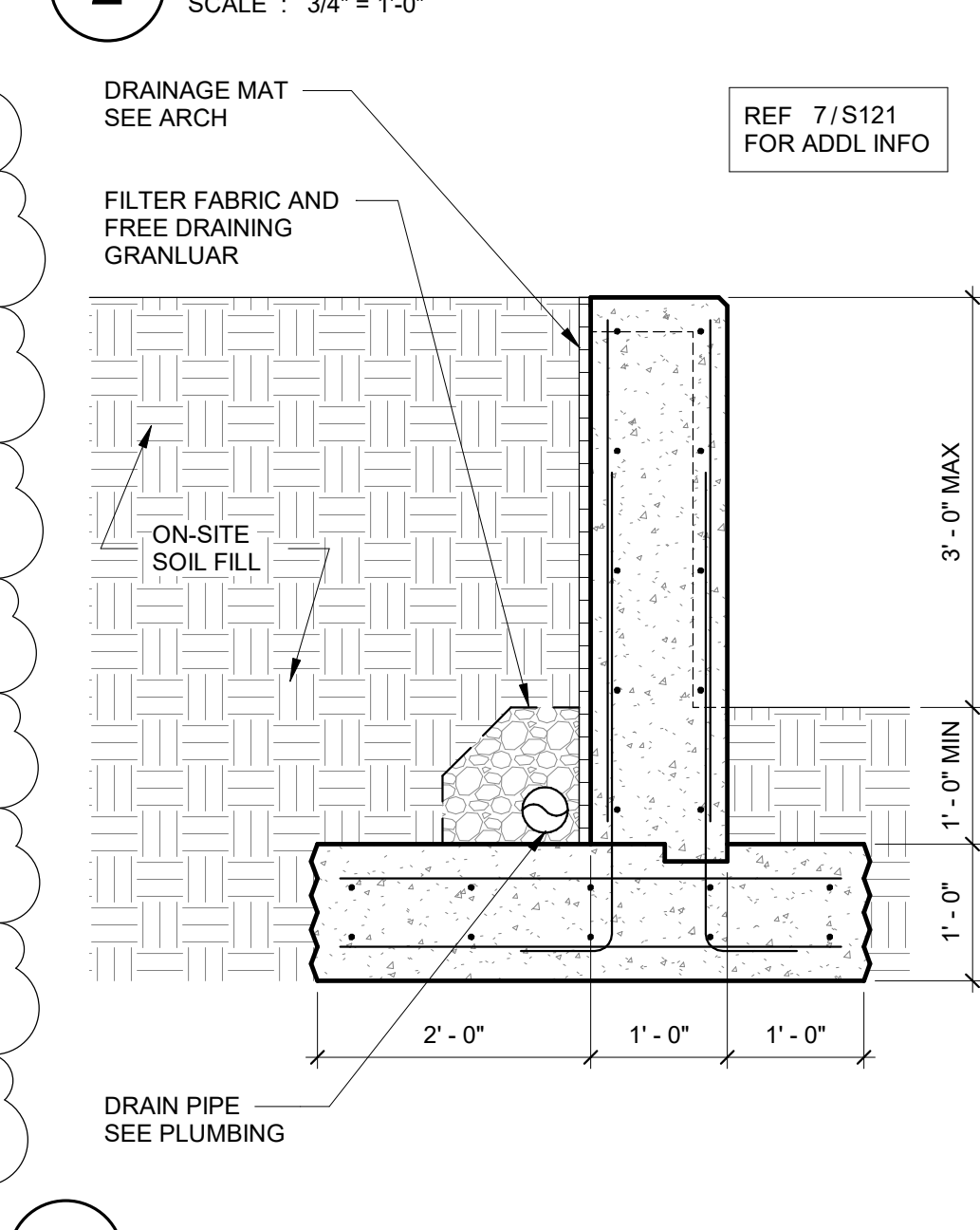
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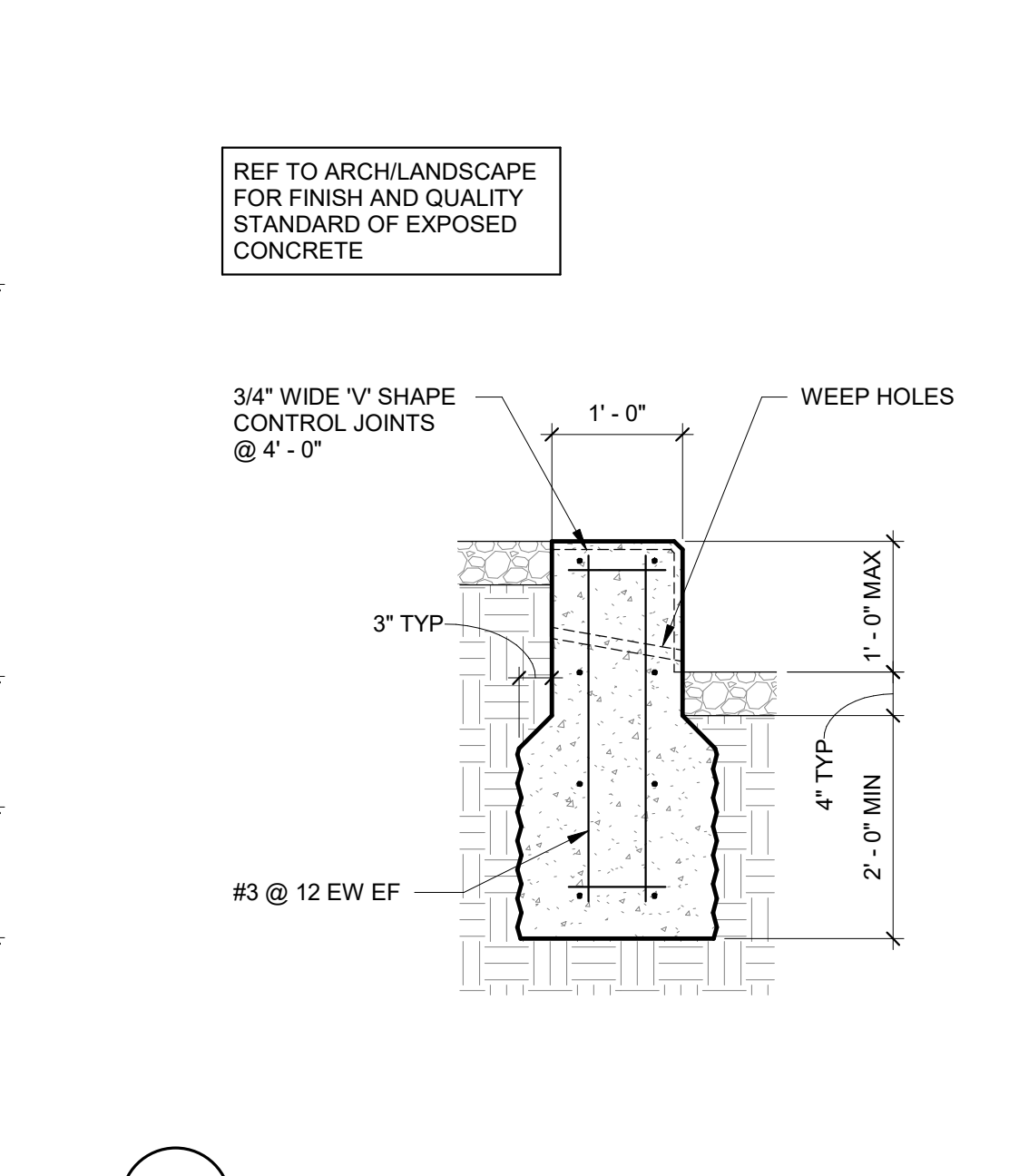
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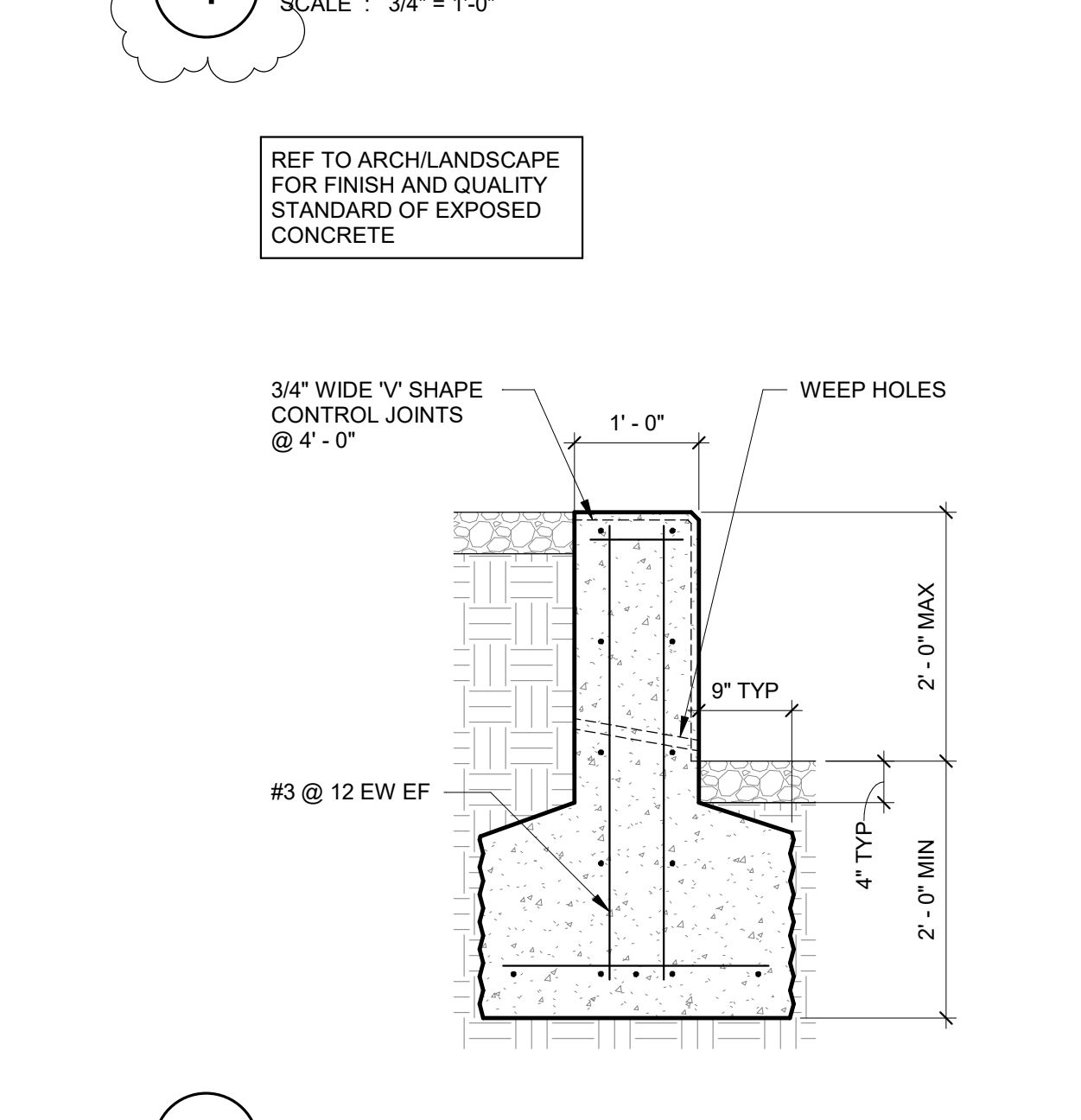
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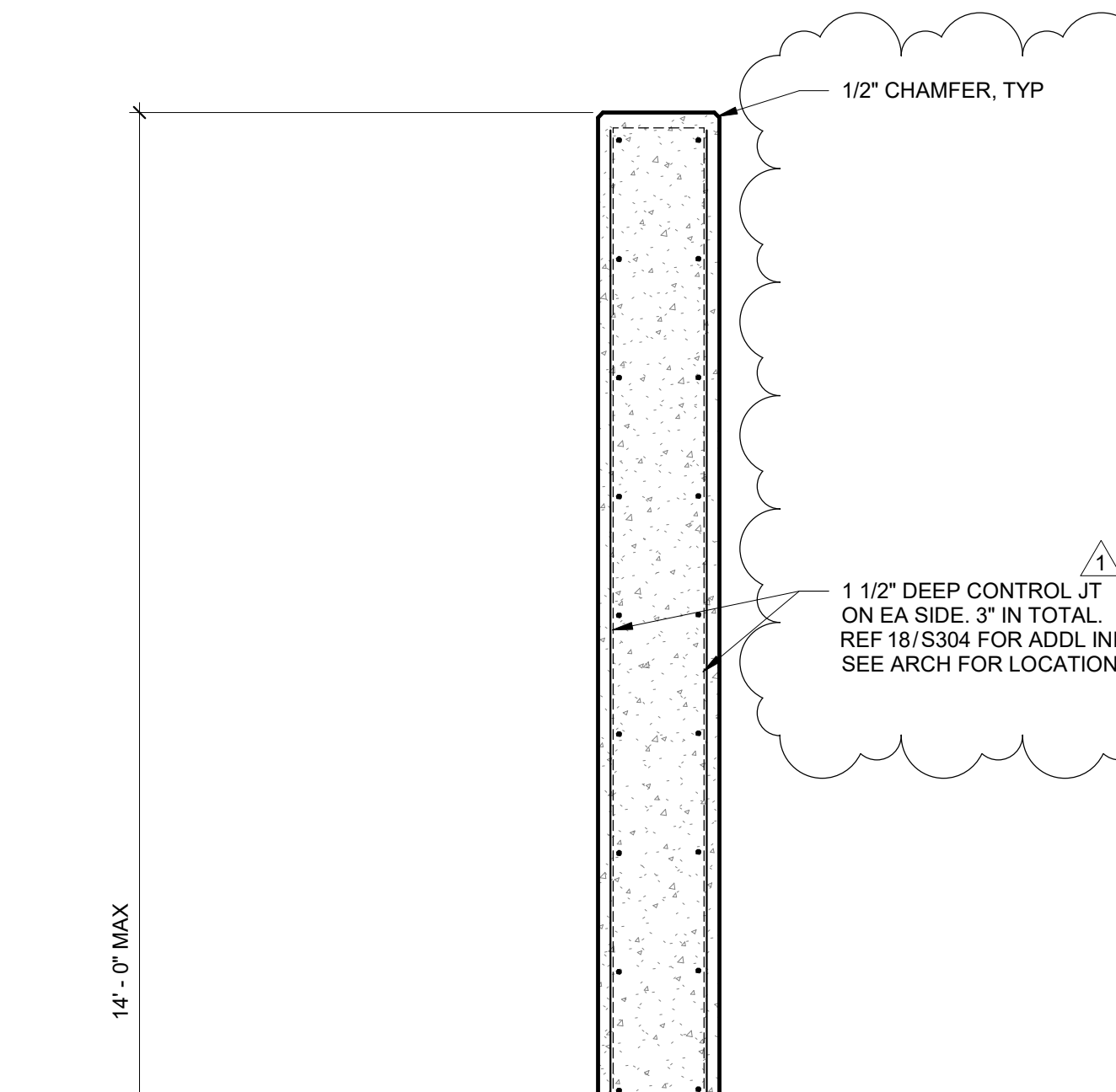
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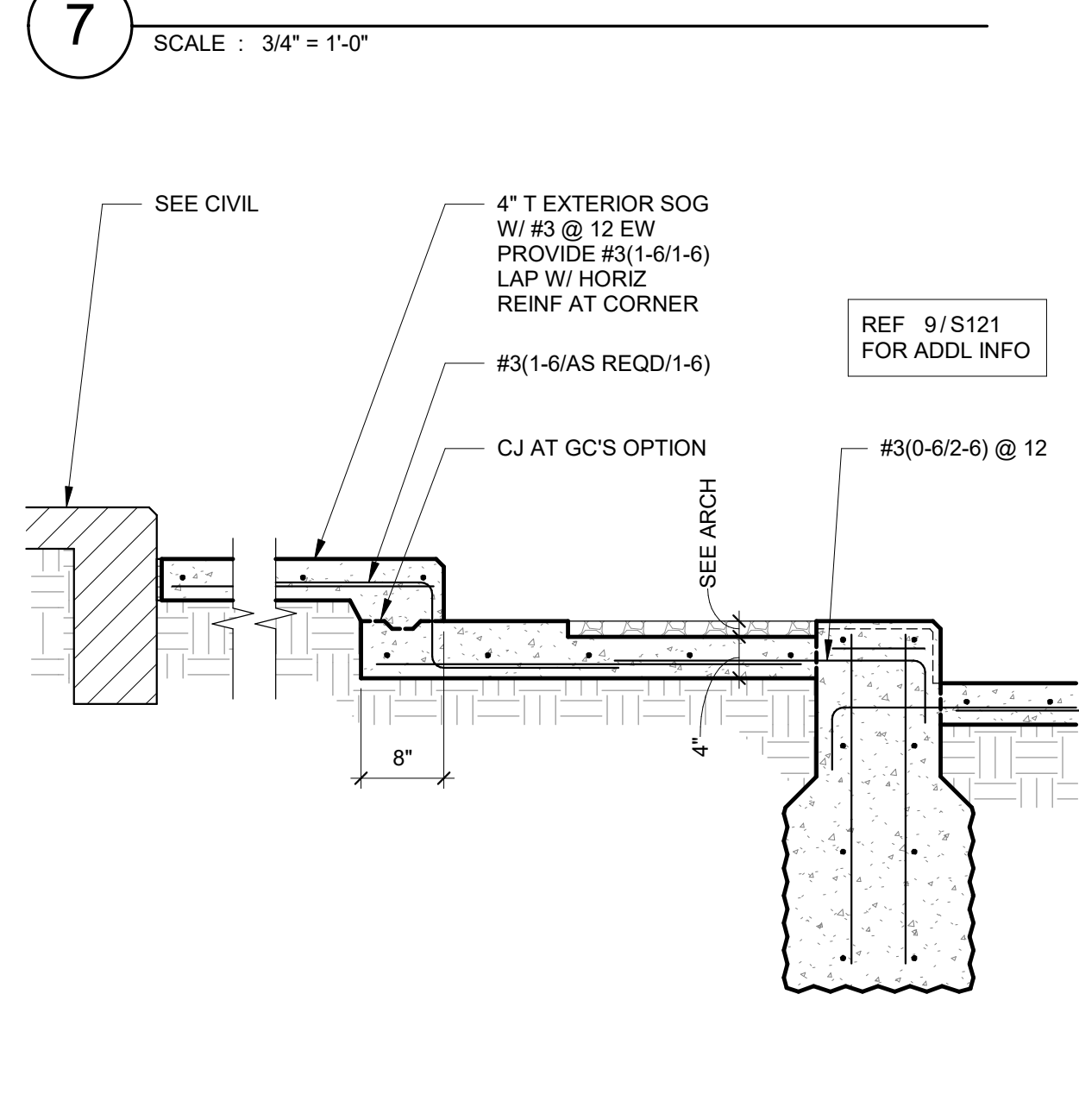
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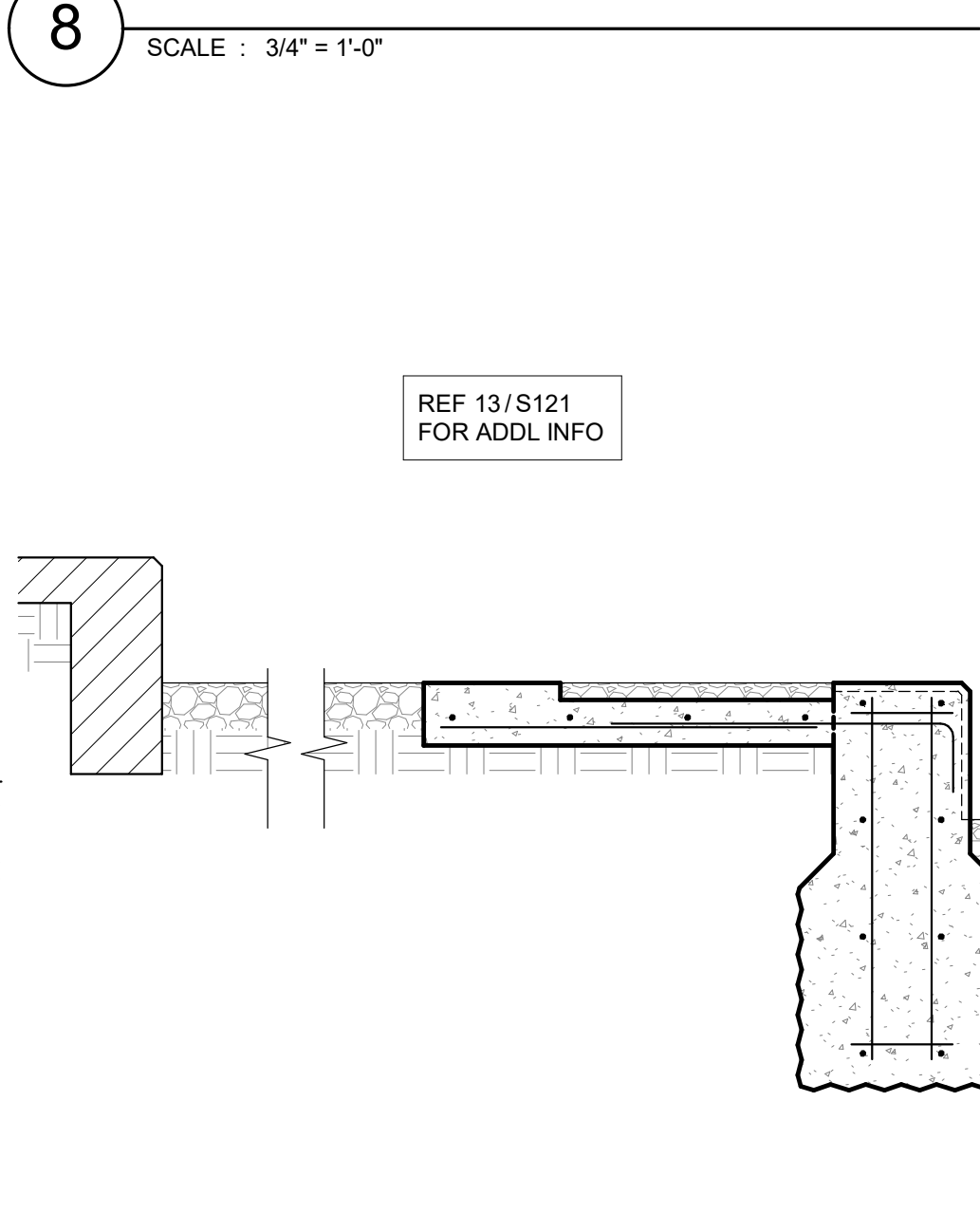
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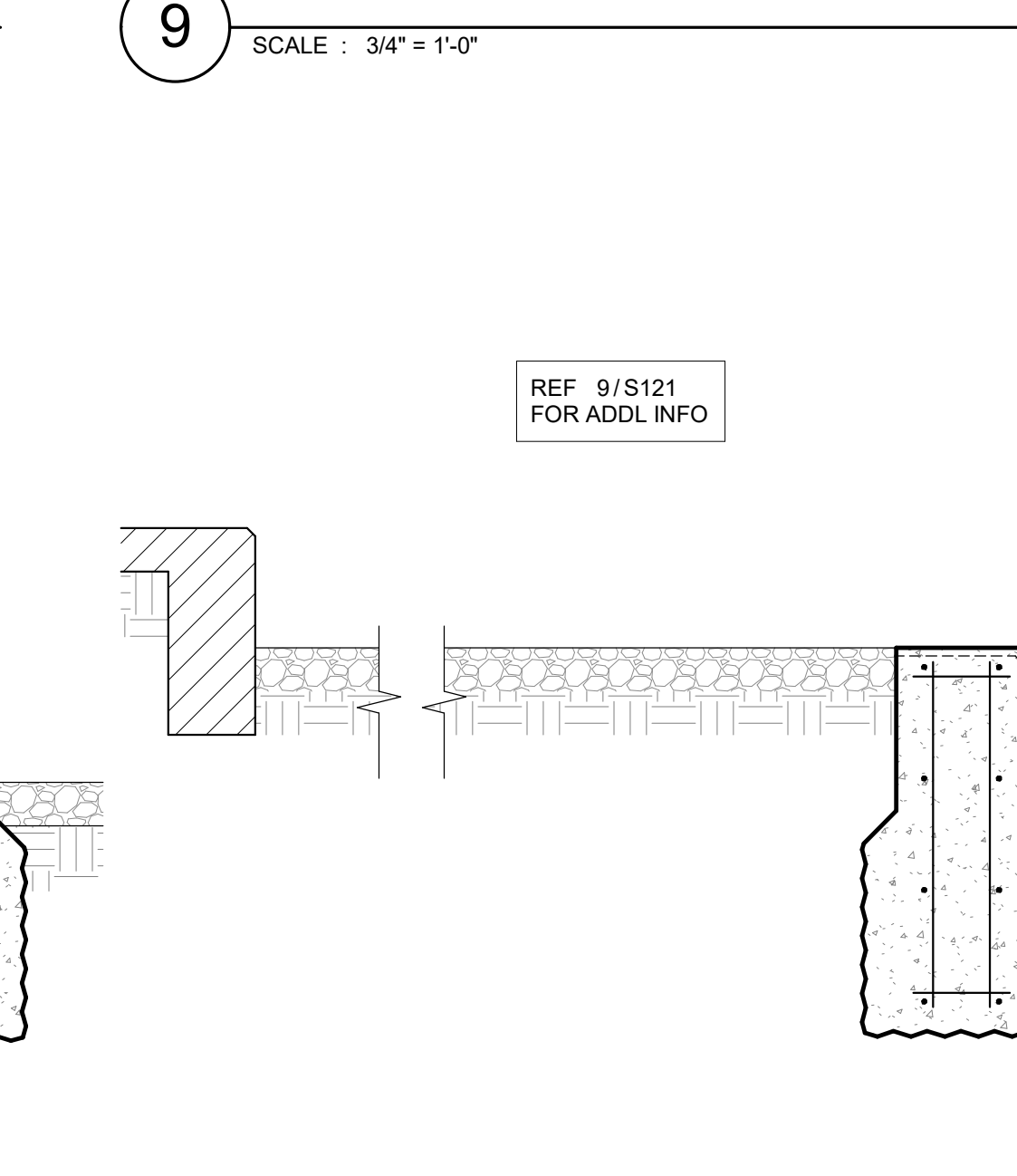
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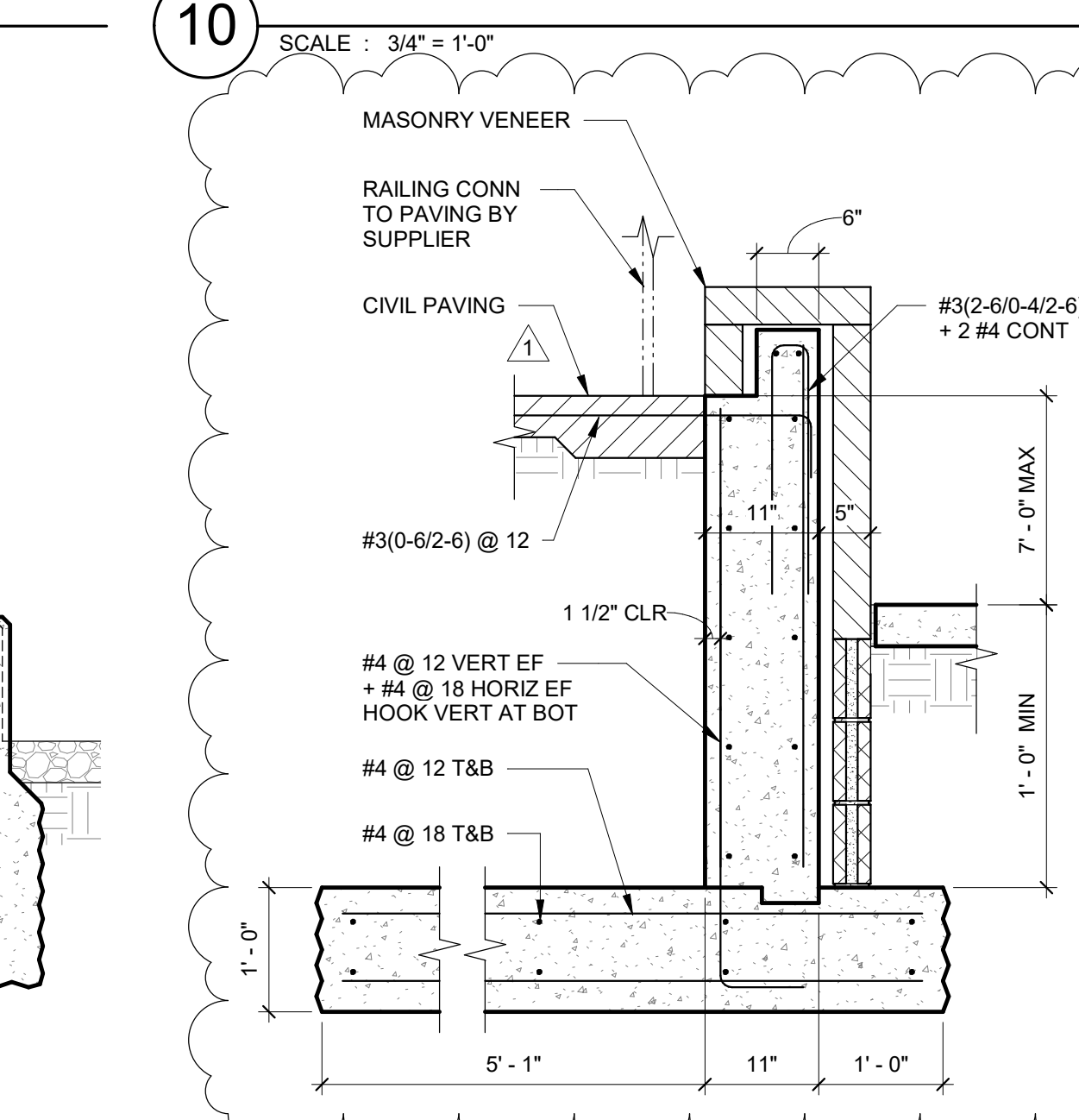
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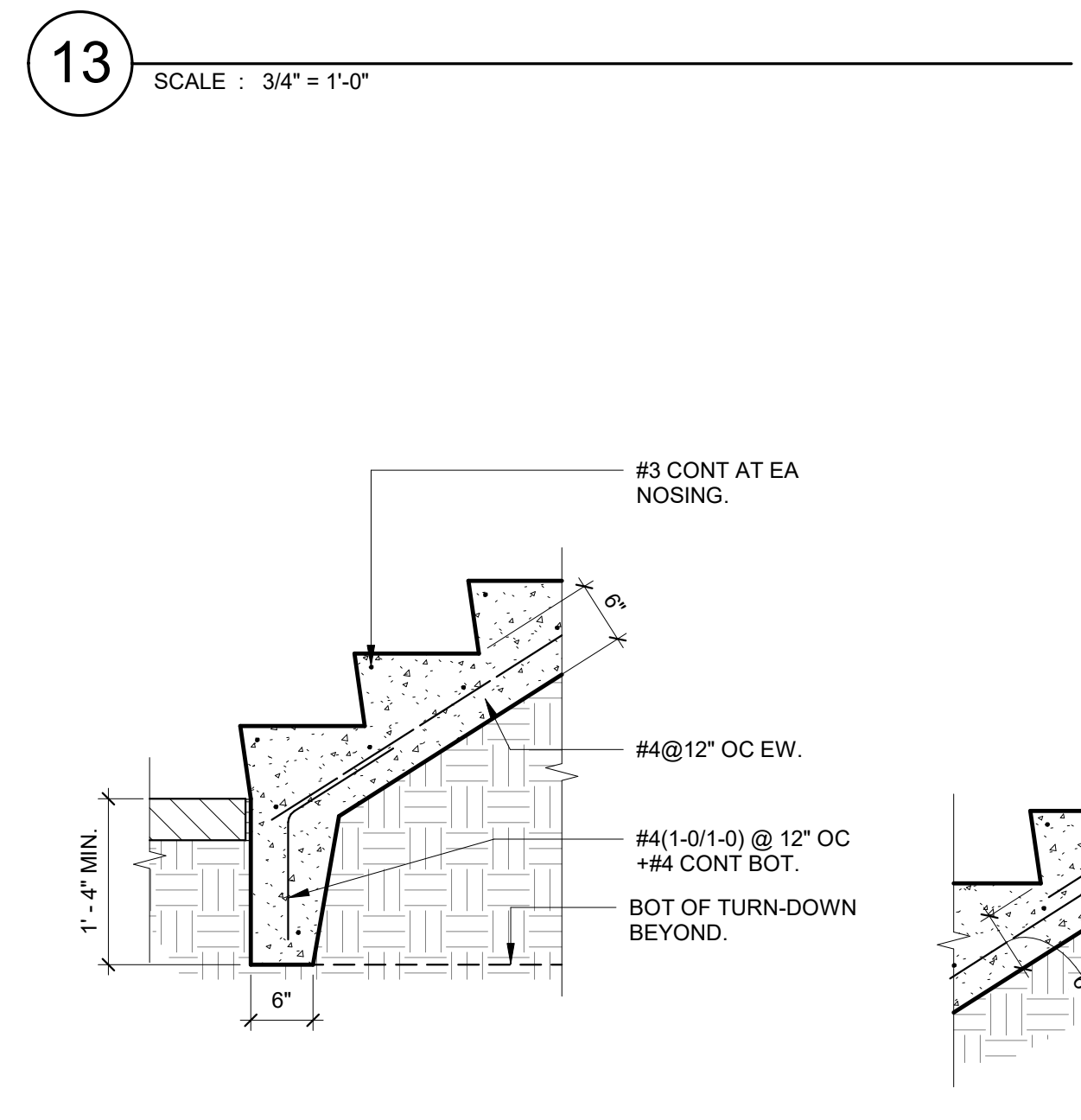
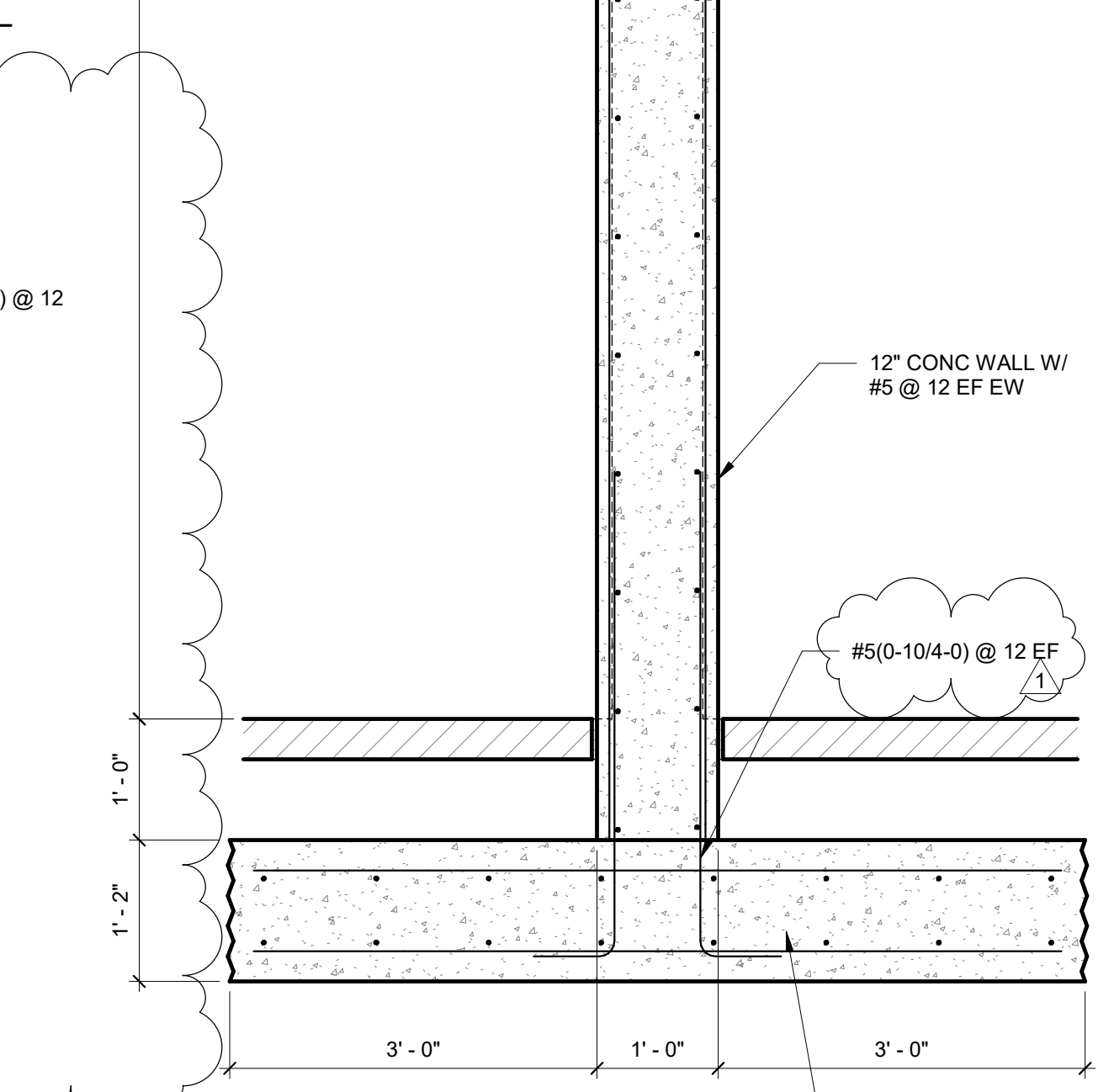
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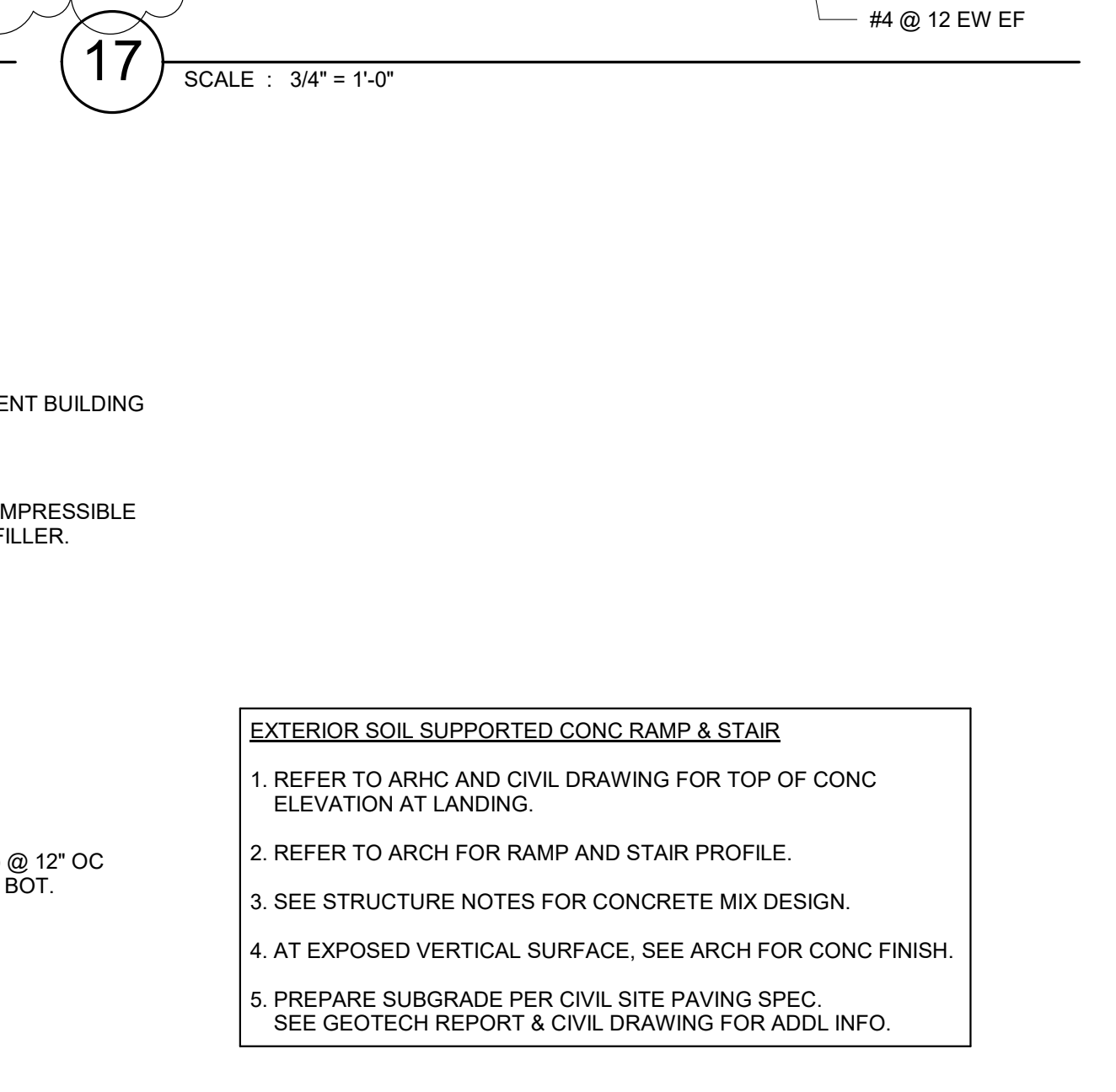
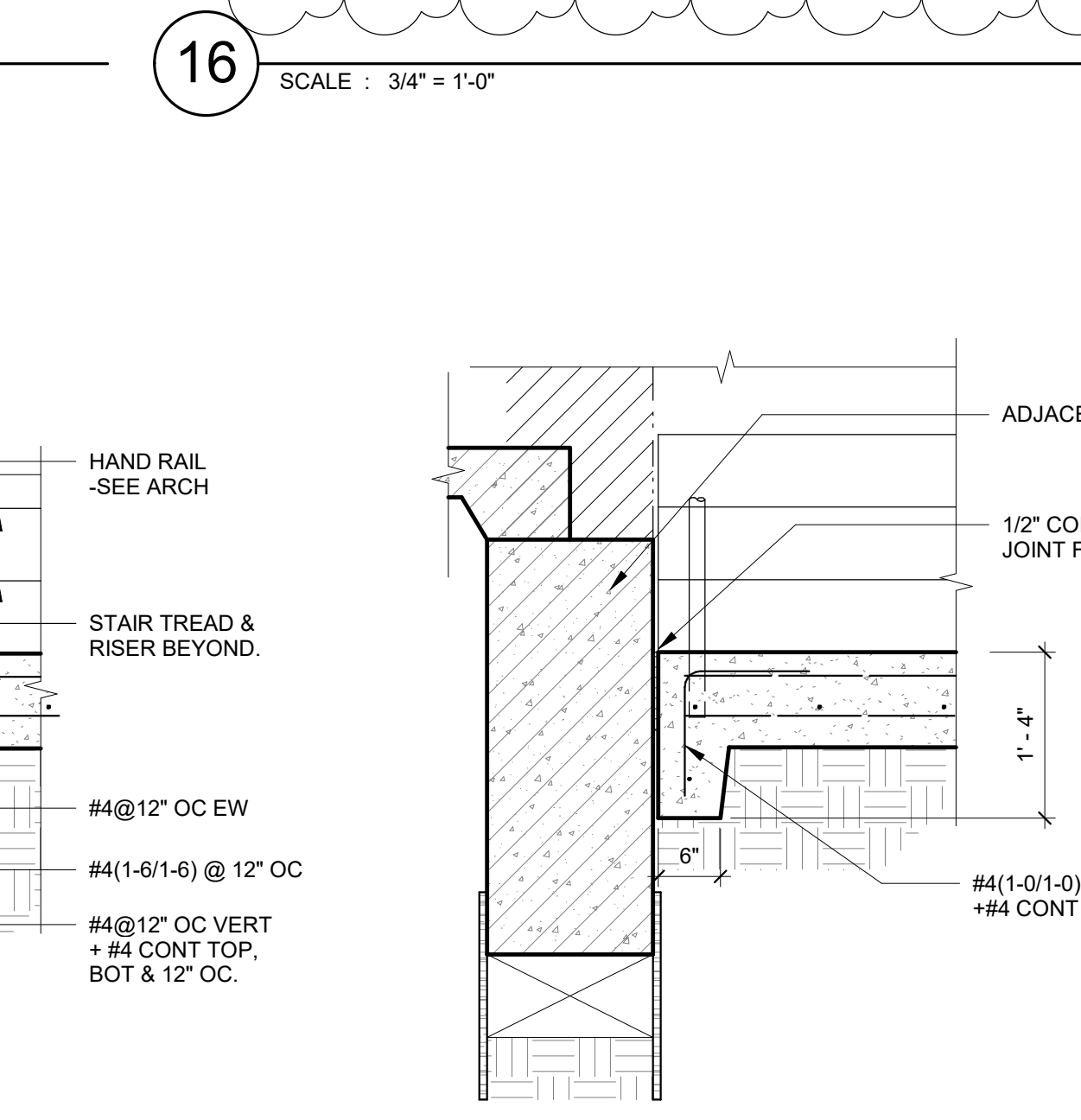
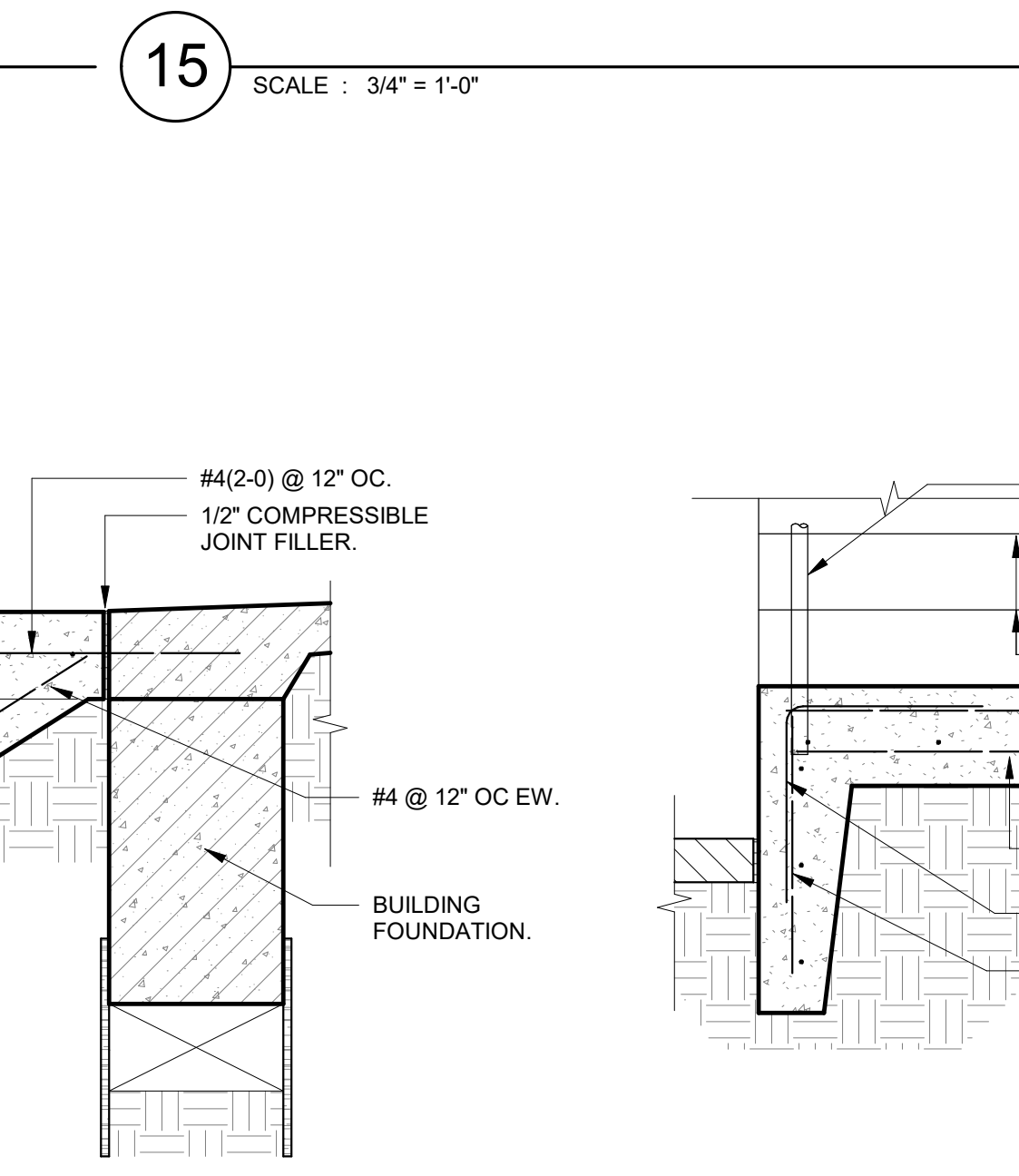
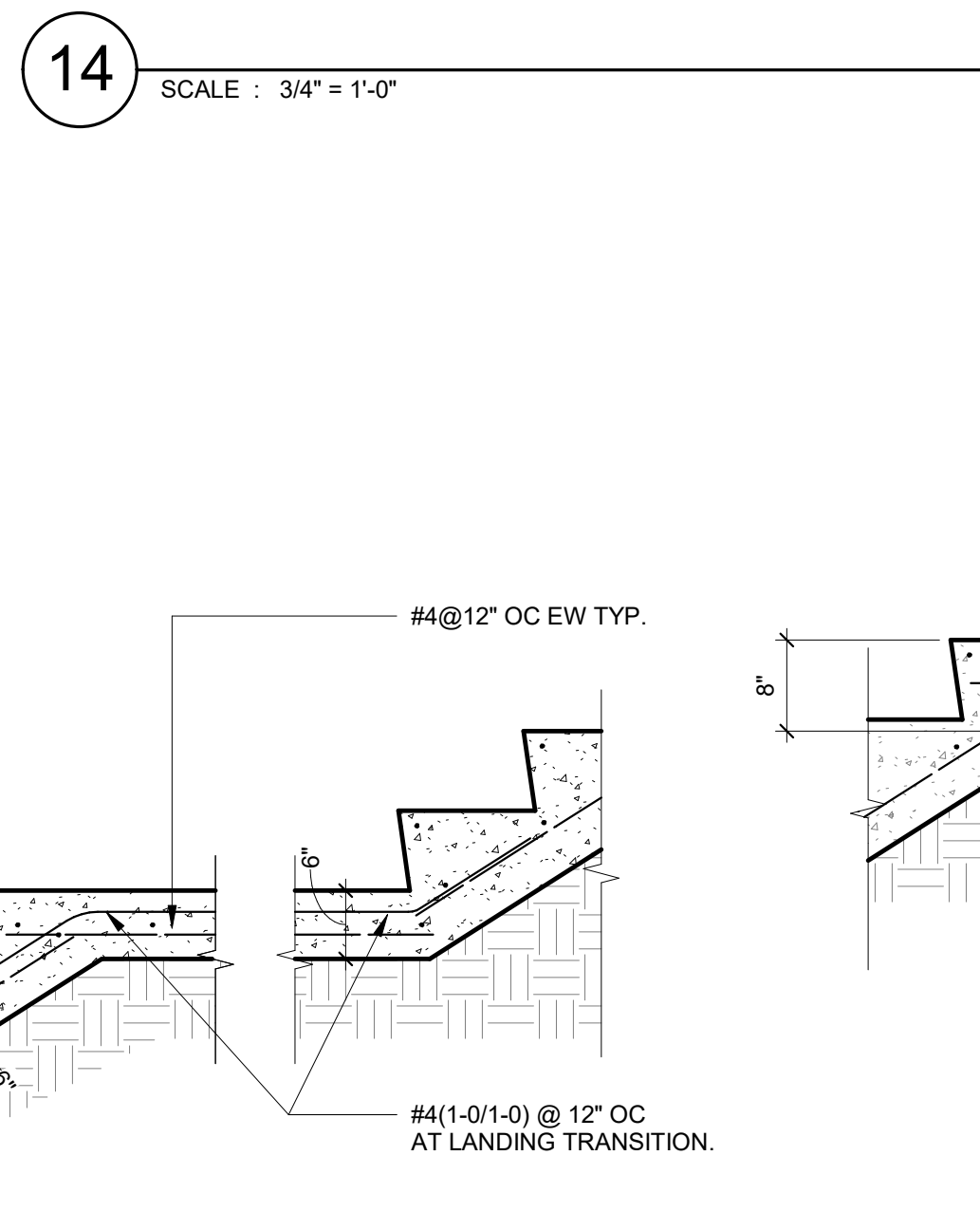
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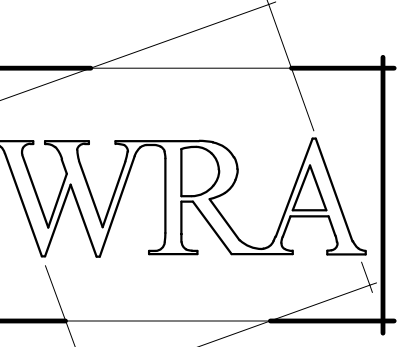
16 SCALE: 3/4" = 1'-0"



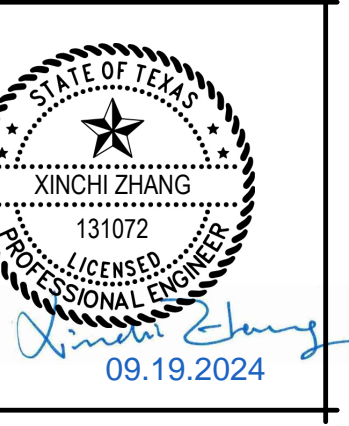
19 TYPICAL SOIL SUPPORTED EXTERIOR CONCRETE STAIR AND RAMP
SCALE: 3/4" = 1'-0"



EXTERIOR SOIL SUPPORTED CONC RAMP & STAIR
 1. REFER TO ARCH AND CIVIL DRAWING FOR TOP OF CONC ELEVATION AT LANDING.
 2. REFER TO ARCH FOR RAMP AND STAIR PROFILE.
 3. SEE STRUCTURE NOTES FOR CONCRETE MIX DESIGN.
 4. AT EXPOSED VERTICAL SURFACE, SEE ARCH FOR CONC FINISH.
 5. PREPARE SUBGRADE PER CIVIL SITE PAVING SPEC. SEE GEOTECH REPORT & CIVIL DRAWING FOR ADDL INFO.



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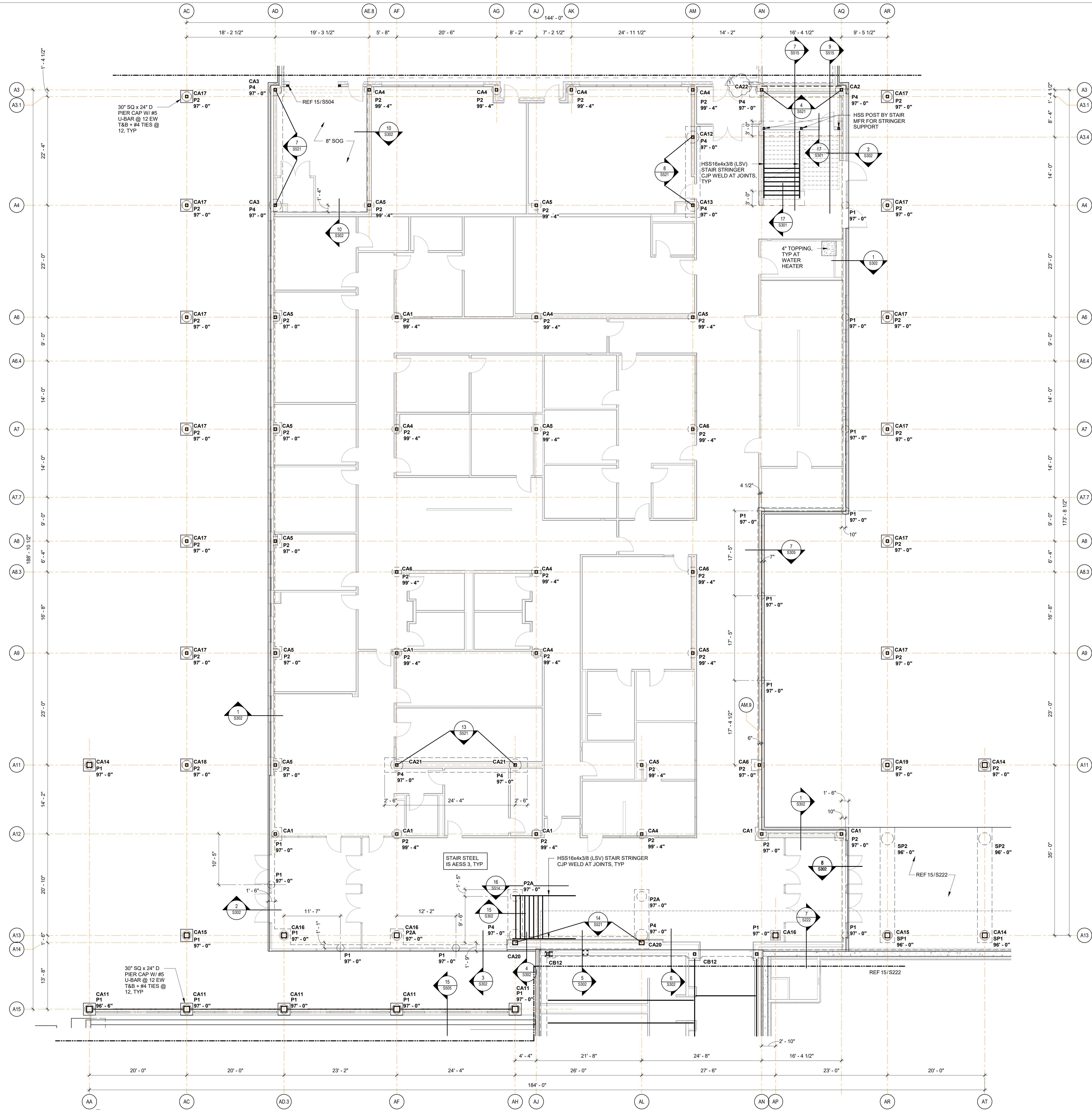
JOB NO. 2359
 DATE: 09/04/2024
 SITE DETAILS



S121

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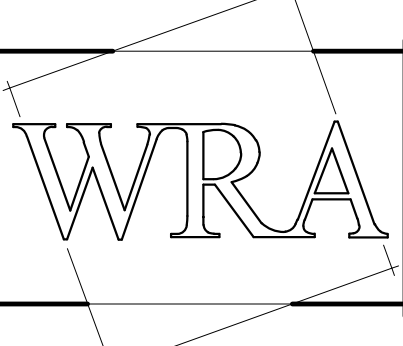


1 FOUNDATION AND GROUND FLOOR PLAN - UNIT A.1
SCALE: 1/8" = 1'-0"

- FOUNDATION PLAN NOTES**
1. FINISH FLOOR ELEVATION IS 100'-0" (RELATIVE TO DATUM 100'-0").
 2. DATUM 100'-0" IS EQUIVALENT TO A MEAN SEA LEVEL ELEVATION OF 588.70. CONTRACTOR TO VERIFY AGAINST CIVIL GRADING PLANS AND REPORT DISCREPANCIES TO ARCHITECT FOR RESOLUTION PRIOR TO CONSTRUCTION.
 3. TOP OF CONCRETE SLAB IS AT FINISH FLOOR UNLESS NOTED OTHERWISE.
 4. TYPICAL FLOOR SLAB IS A SOIL SUPPORTED CONCRETE SLAB, 5-INCH THICK (OVERALL) OVER MODIFIED SUBGRADE. SEE GENERAL NOTES.
 5. ARCHITECTURAL BACKGROUND ELEMENTS DEPICTED ON THE PLANS ARE INTENDED FOR GENERAL COORDINATION PURPOSES AND ARE NOT INTENDED FOR ANY OTHER PURPOSES. THIS PLAN MAY NOT REFLECT THE FINAL DESIGN. SEE THE ARCHITECTURAL DRAWINGS.
 6. SHEET INDEX:

PIER SCHEDULE	S301
COLUMN SCHEDULE	S501
TYPICAL CONCRETE DETAILS	S301
ICF WALL ELEVATIONS	S230
TYPICAL STEEL DETAILS	S501
VERTICAL BRACE SCHEDULE	S520a

Alternate #7
Base Bid Scope as shown to be bid.
Deduct Alternate Bid: Remove exterior perforated panels between columns at entrances (Unit A spine, Unit C entry, Unit E facade).

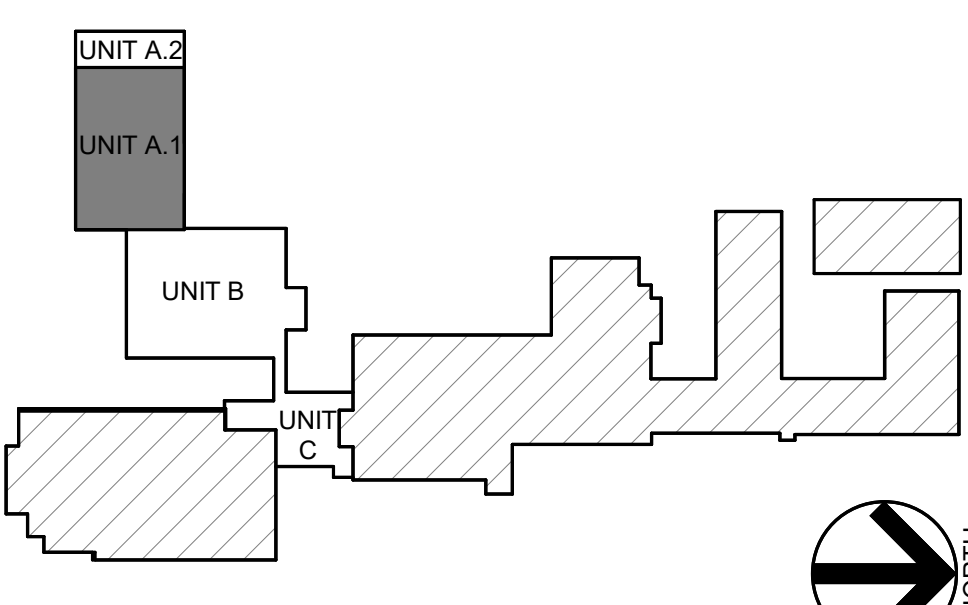


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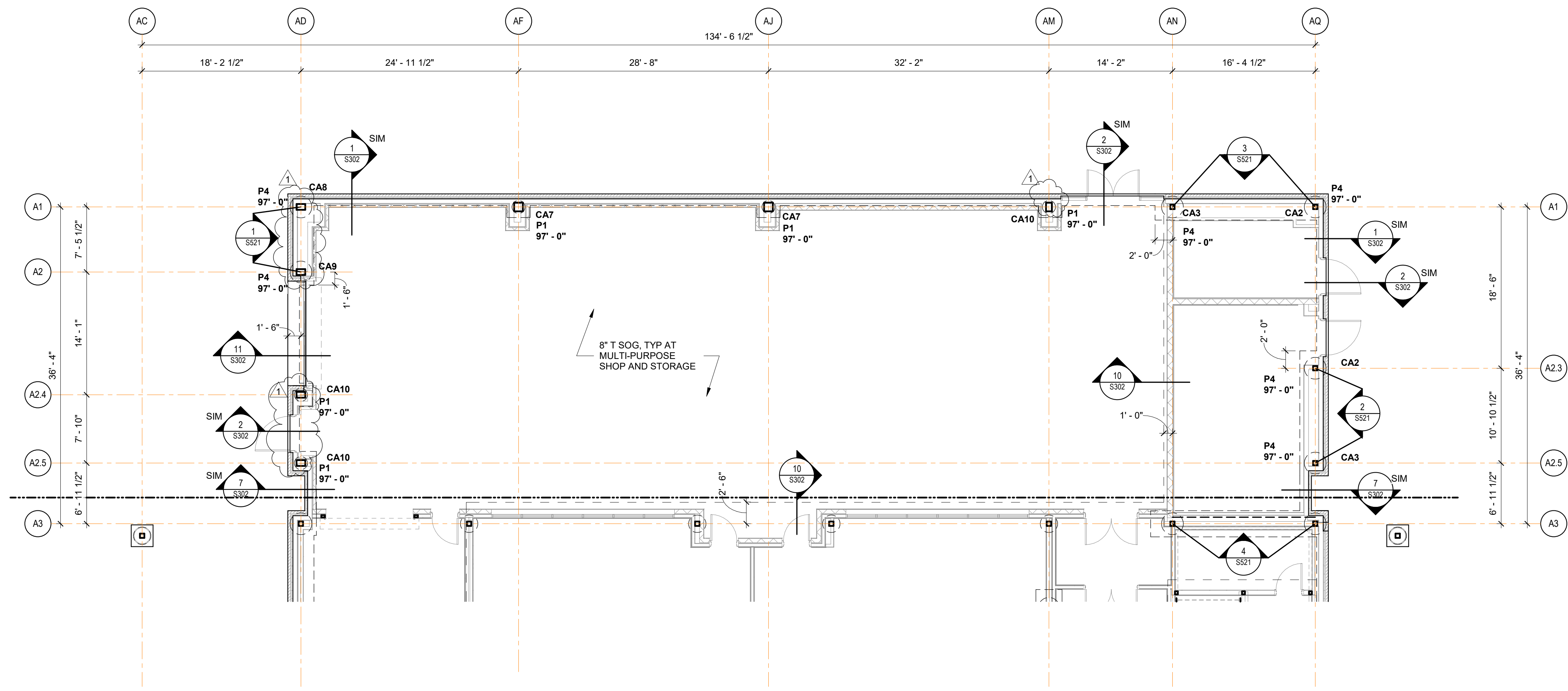
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1	ADDENDUM #1 2024.09.19

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FOUNDATION AND GROUND FLOOR PLAN - UNIT A.1

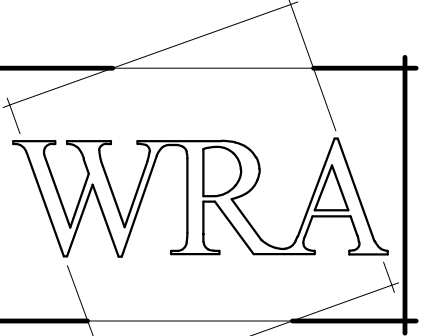
S201.1



- FOUNDATION PLAN NOTES**
1. FINISH FLOOR ELEVATION IS 100'-0" (RELATIVE TO DATUM 100'-0").
 2. DATUM 100'-0" IS EQUIVALENT TO A MEAN SEA LEVEL ELEVATION OF 588.70. CONTRACTOR TO VERIFY AGAINST CIVIL GRADING PLANS AND REPORT DISCREPANCIES TO ARCHITECT FOR RESOLUTION PRIOR TO CONSTRUCTION.
 3. TOP OF CONCRETE SLAB IS AT FINISH FLOOR UNLESS NOTED OTHERWISE.
 4. TYPICAL FLOOR SLAB IS A SOIL SUPPORTED CONCRETE SLAB, 5-INCH THICK (OVERALL) OVER MODIFIED SUBGRADE. SEE GENERAL NOTES.
 5. ARCHITECTURAL BACKGROUND ELEMENTS DEPICTED ON THE PLANS ARE INTENDED FOR GENERAL COORDINATION PURPOSES AND ARE NOT INTENDED FOR ANY OTHER PURPOSES. THIS PLAN MAY NOT REFLECT THE FINAL DESIGN. SEE THE ARCHITECTURAL DRAWINGS.
 6. SHEET INDEX:

PIER SCHEDULE	S301
COLUMN SCHEDULE	S501
TYPICAL CONCRETE DETAILS	S301
ICF WALL ELEVATIONS	S230
TYPICAL STEEL DETAILS	S501
VERTICAL BRACE SCHEDULE	S520a

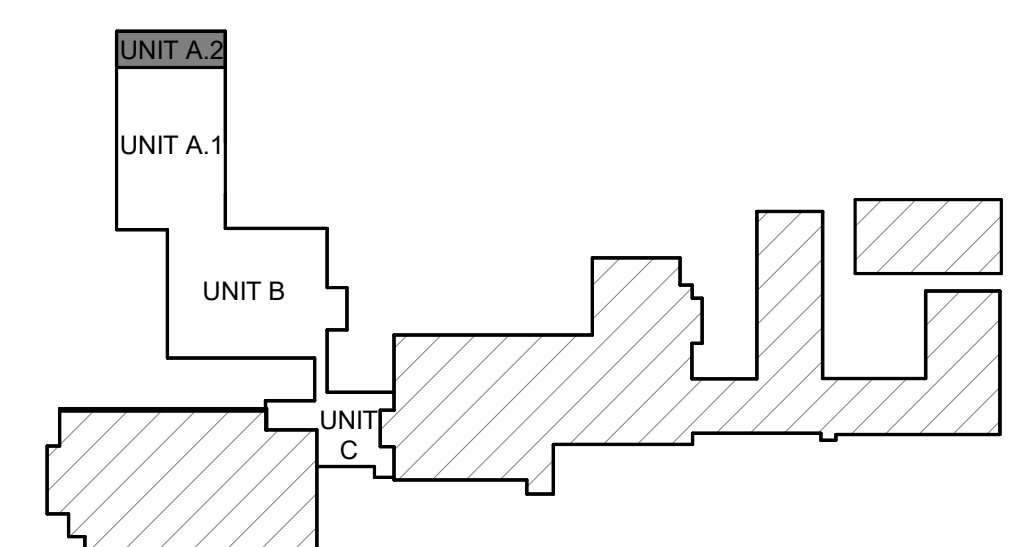
1 FOUNDATION AND GROUND FLOOR PLAN - UNIT A.2
SCALE: 1/8" = 1'-0"



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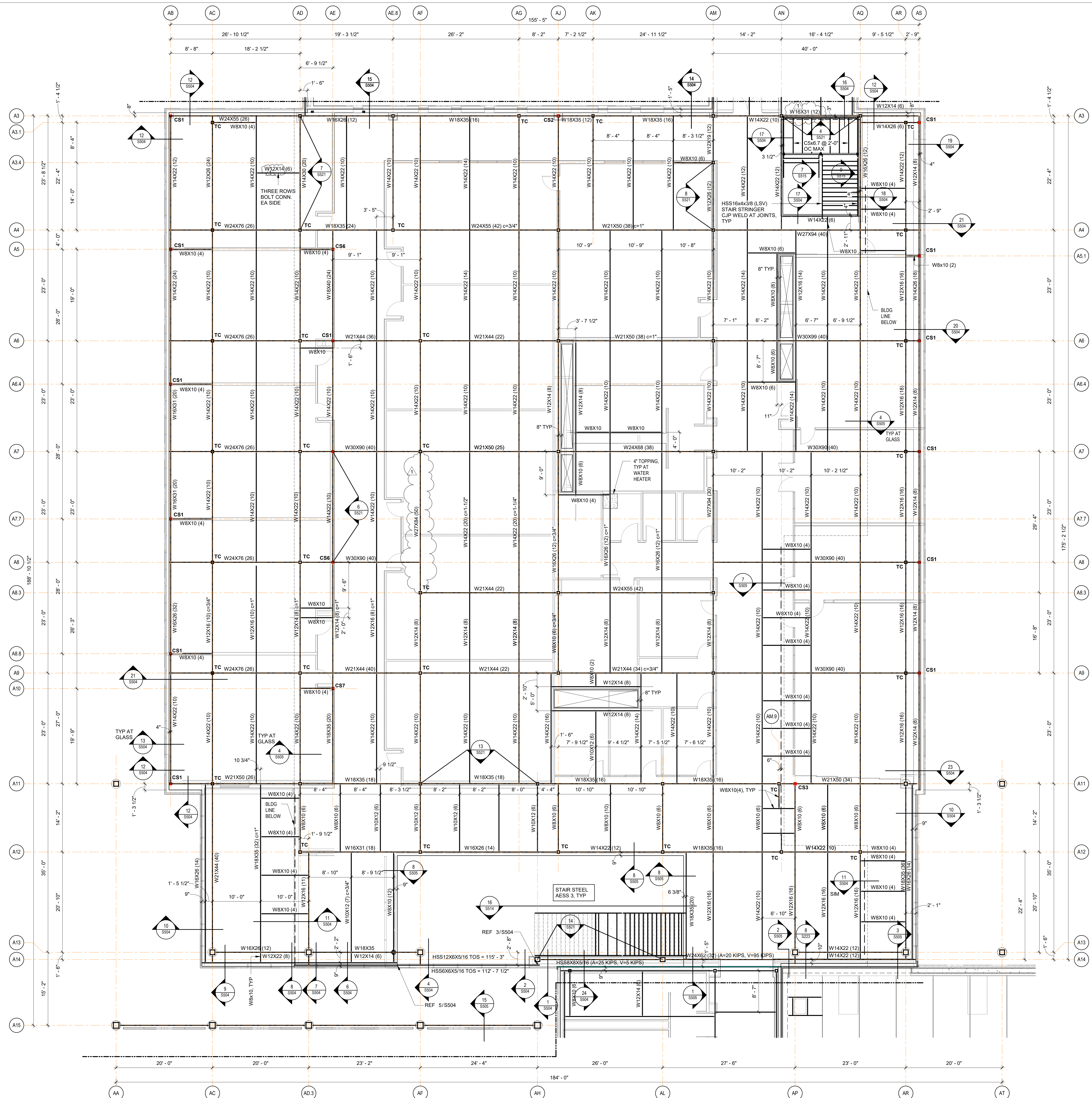
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1	ADDENDUM #1 2024.09.19

JOB NO. 2359
DATE: 09/04/2024

FOUNDATION AND GROUND FLOOR PLAN - UNIT A.2

S201.2

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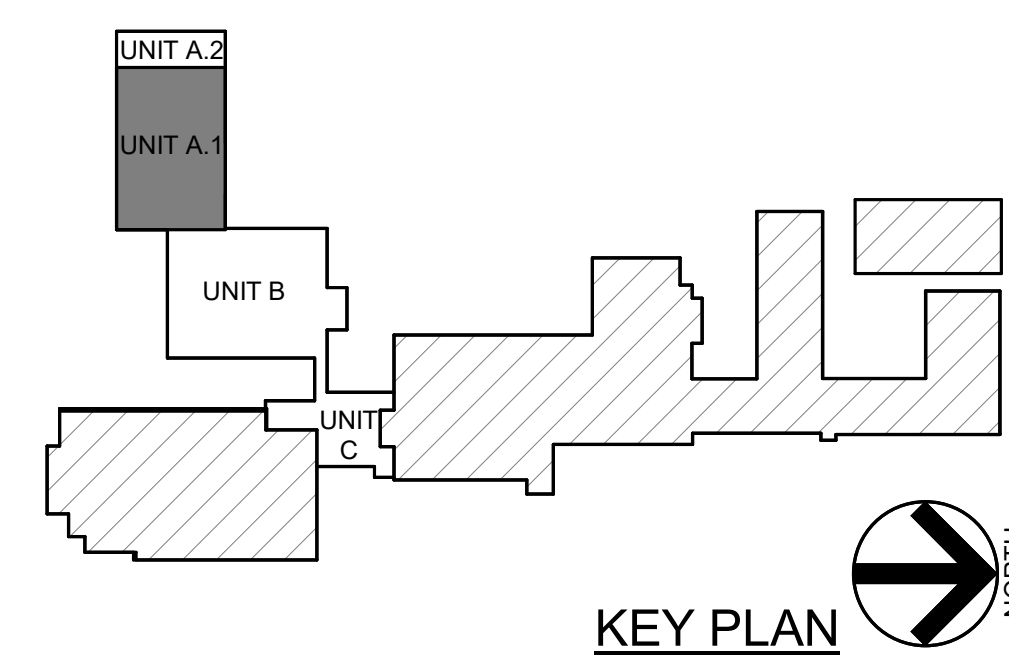
- ELEVATED FLOOR PLAN NOTES**
1. FINISH FLOOR ELEVATION IS 115'-4" (RELATIVE TO DATUM 100-0). TOP OF CONCRETE SLAB IS AT FINISH FLOOR UNLESS NOTED OTHERWISE.
 2. TYPICAL FLOOR SLAB IS 3-INCHES OF CONCRETE OVER 3-INCH COMPOSITE METAL DECK. SEE OVERALL PLANS AND STRUCTURAL NOTES.
 3. STEEL FLOOR MEMBERS SHALL BE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN LINES, UNLESS NOTED OTHERWISE.
 4. TC ANNOTATION NEAR COLUMN LOCATIONS INDICATES TOP OF COLUMN AT THIS LEVEL. IN THIS CASE TOP OF COLUMN IS AT FLOOR DECK BEARING ELEVATION UNLESS NOTED OTHERWISE.
 5. ARCHITECTURAL BACKGROUND ELEMENTS DEPICTED ON THE PLANS ARE INTENDED FOR GENERAL COORDINATION UNDERSTANDING AND ARE NOT INTENDED FOR ANY OTHER PURPOSES. THIS PLAN MAY NOT BE THE FINAL DESIGN. SEE THE ARCHITECTURAL DRAWINGS.
 6. (K) X(K) ANNOTATION IN BEAM TAG INDICATES AXIAL FORCE IN BEAM. SEE TYPICAL COMPOSITE BEAM DETAIL FOR ADDITIONAL INFORMATION.
 7. SHEET INDEX:
 COLUMN SCHEDULE SX
 TYPICAL CONCRETE DETAILS SX
 ICF WALL ELEVATIONS & DETAILS SX
 TYPICAL STEEL DETAILS SX
 VERTICAL BRACE SCHEDULE SX

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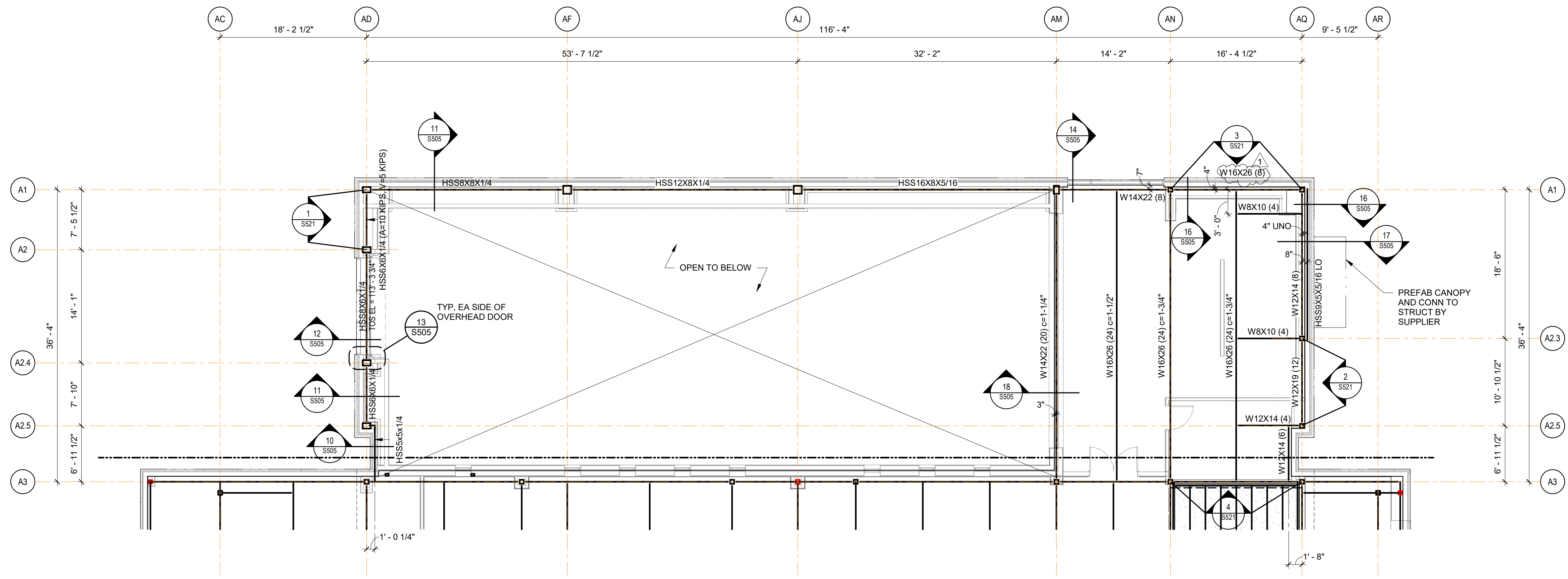
1 LEVEL 2 FRAMING PLAN - UNIT A.1
 SCALE: 1/8" = 1'-0"



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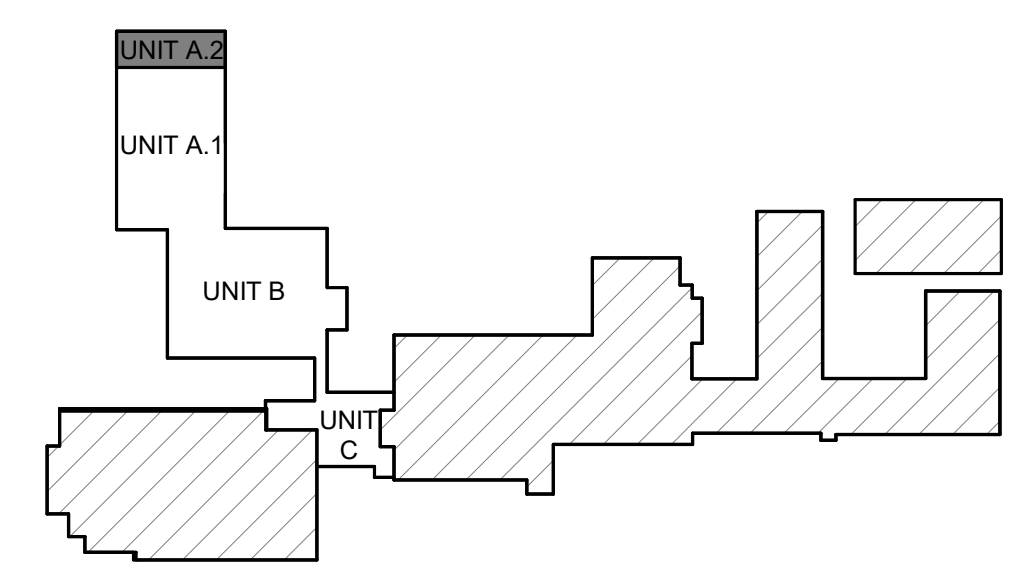
- ELEVATED FLOOR PLAN NOTES**
1. FINISH FLOOR ELEVATION IS 115'-4" (RELATIVE TO DATUM 100-0). TOP OF CONCRETE SLAB IS AT FINISH FLOOR UNLESS NOTED OTHERWISE.
 2. TYPICAL FLOOR SLAB IS 3.5-INCHES OF CONCRETE OVER 3-INCH COMPOSITE METAL DECK. SEE OVERALL PLANS AND STRUCTURAL NOTES.
 3. STEEL FLOOR MEMBERS SHALL BE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN LINES, UNLESS NOTED OTHERWISE.
 4. TC ANNOTATION NEAR COLUMN LOCATIONS INDICATES TOP OF COLUMN AT THIS LEVEL. IN THIS CASE TOP OF COLUMN IS AT FLOOR DECK BEARING ELEVATION UNLESS NOTED OTHERWISE.
 5. ARCHITECTURAL BACKGROUND ELEMENTS DEPICTED ON THE PLANS ARE INTENDED FOR GENERAL COORDINATION UNDERSTANDING AND ARE NOT INTENDED FOR ANY OTHER PURPOSES. THIS PLAN MAY NOT BE THE FINAL DESIGN. SEE THE ARCHITECTURAL DRAWINGS.
 6. (XX K) ANNOTATION IN BEAM TAG INDICATES AXIAL FORCE IN BEAM. SEE TYPICAL COMPOSITE BEAM DETAIL FOR ADDITIONAL INFORMATION.
 7. SHEET INDEX

COLUMN SCHEDULE	SX
TYPICAL CONCRETE DETAILS	SX
ICF WALL ELEVATIONS & DETAILS	SX
TYPICAL STEEL DETAILS	SX
VERTICAL BRACE SCHEDULE	SX

1 LEVEL 2 FRAMING PLAN - UNIT A.2
SCALE: 1/8" = 1'-0"

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KEY PLAN



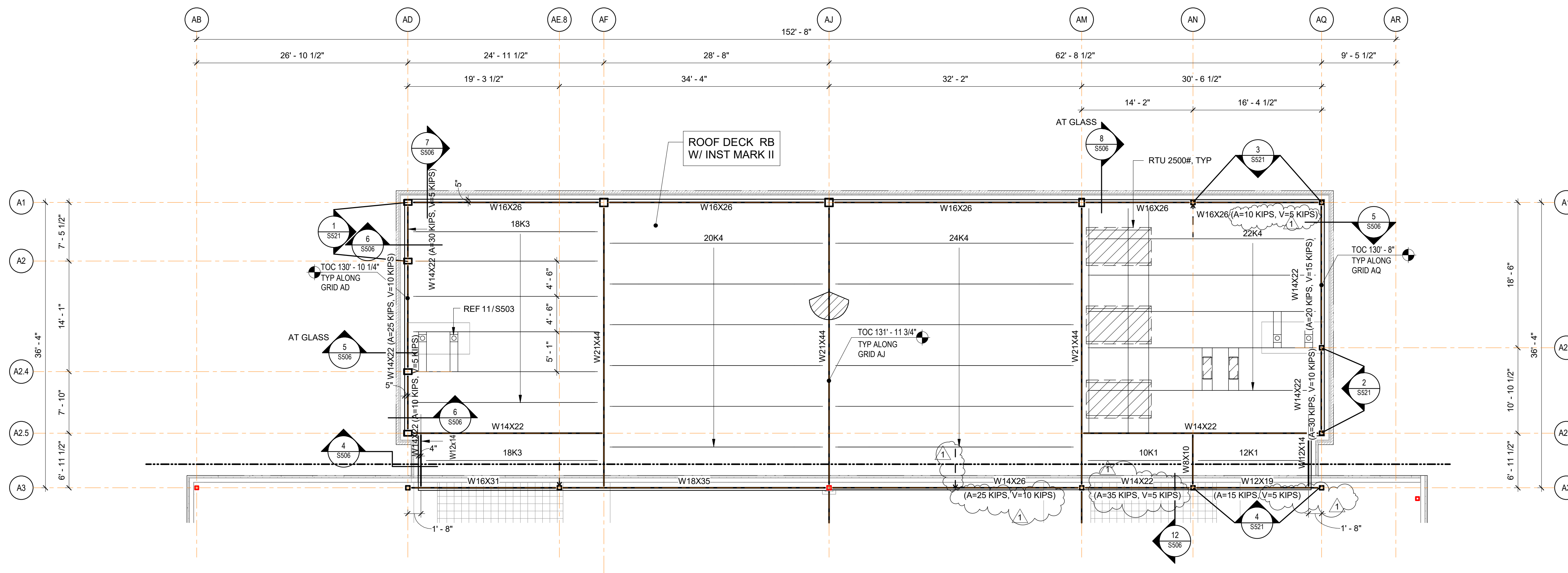
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No.	Date
1	ADDENDUM #1 2024.09.19

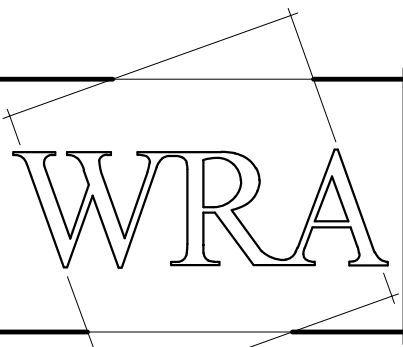
JOB NO.	2359
DATE	09/04/2024
LEVEL 2 FRAMING PLAN - UNIT A.2	

S202.2
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- ROOF FRAMING PLAN NOTES**
- TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. SEE TOP OF STEEL (BOTTOM OF ROOF DECK) ELEVATIONS NOTED ON FRAMING PLANS. SLOPES SHALL BE UNIFORM BETWEEN COLUMN CENTERLINES, UNLESS NOTED OTHERWISE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALCULATE T.O.S. ELEVATIONS REQUIRED AT INTERMEDIATE LOCATIONS BETWEEN THE NOTED HIGH AND LOW T.O.S. ELEVATIONS.
 - STEEL ROOF MEMBERS SHALL BE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN LINES, UNLESS NOTED OTHERWISE.
 - JOIST ADDITIONAL LOADS:
 - JOISTS SUPPORTING MECHANICAL EQUIPMENT SHALL BE DESIGNED FOR TYPICAL ROOF LOADINGS PLUS AN ADDITIONAL CONCENTRATED LOAD OF 60% OF INDICATED EQUIPMENT WEIGHT AT ANY PANEL POINT (TOP AND BOTTOM).
 - JOISTS NOTED AS "SP" ARE SPECIAL DESIGNS TO BE PROVIDED BY SUPPLIER FOR LOADING INDICATED.
 - FOOTNOTES (ex: "18K3 (1)") INDICATE THE FOLLOWING ADDITIONAL LOADING:
 - 1,000 LB LOAD AT ANY PANEL POINT
 - 1,500 LB LOAD AT ANY PANEL POINT
 - AXIAL LOAD OF +/- 15 KIPS IN JOIST TOP CHORD
 - TYPICAL ROOF STRUCTURE IS METAL ROOF DECK, UNLESS NOTED OTHERWISE. SEE GENERAL NOTES.
 - ARCHITECTURAL BACKGROUND ELEMENTS DEPICTED ON PLAN ARE INTENDED FOR GENERAL COORDINATION UNDERSTANDING AND IS NOT INTENDED FOR ANY OTHER PURPOSES. THIS PLAN MAY NOT REFLECT THE FINAL DESIGN, SEE ARCHITECTURAL DRAWINGS.
 - (XX K) ANNOTATION IN BEAM TAG INDICATES AXIAL FORCE IN BEAM. DESIGN END CONNECTIONS TO TRANSFER AXIAL FORCES INDICATED, AS WELL AS 50% OF SHEAR CAPACITY LISTED IN TYPICAL DOUBLE ANGLE CONNECTION DETAIL. DESIGN CONNECTION FOR AXIAL AND SHEAR FORCES ACTING SIMULTANEOUSLY, IN BOTH TENSION AND COMPRESSION CONDITIONS.
 - SHEET INDEX:

TYPICAL STEEL DETAILS	S501, S502, S503
VERTICAL BRACE DETAILS AND ELEVATIONS	S520, S520, S521

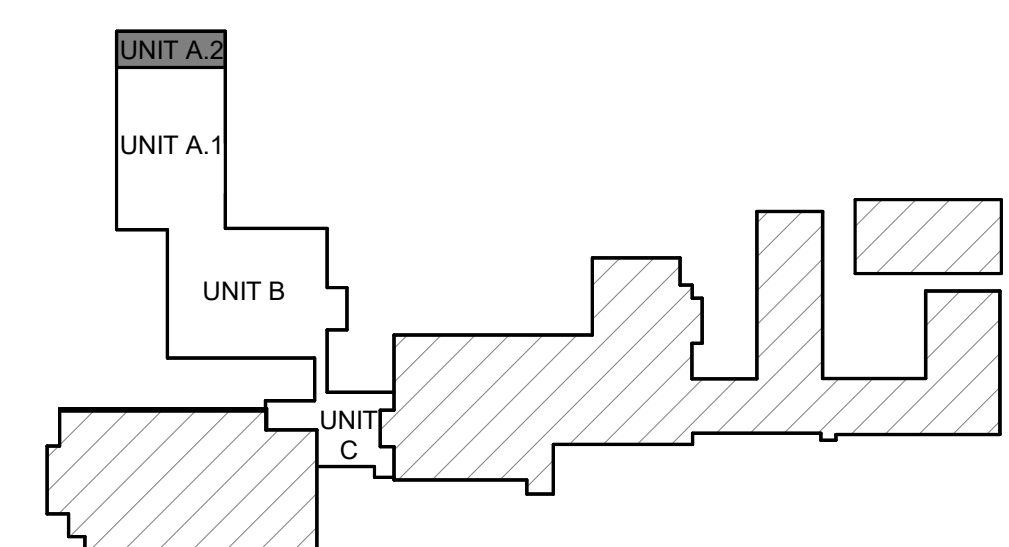


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1 ROOF FRAMING PLAN - UNIT A.2
 SCALE : 1/8" = 1'-0"

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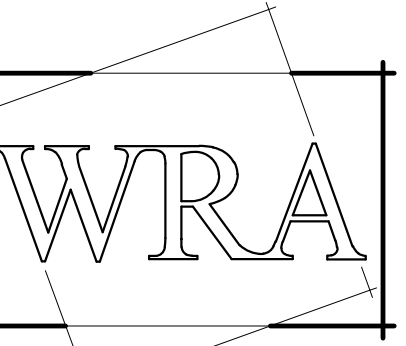
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No.	Date
1	ADDENDUM #1 2024.09.19

JOB NO. 2359
 DATE: 09/04/2024

ROOF FRAMING PLAN - UNIT A.2

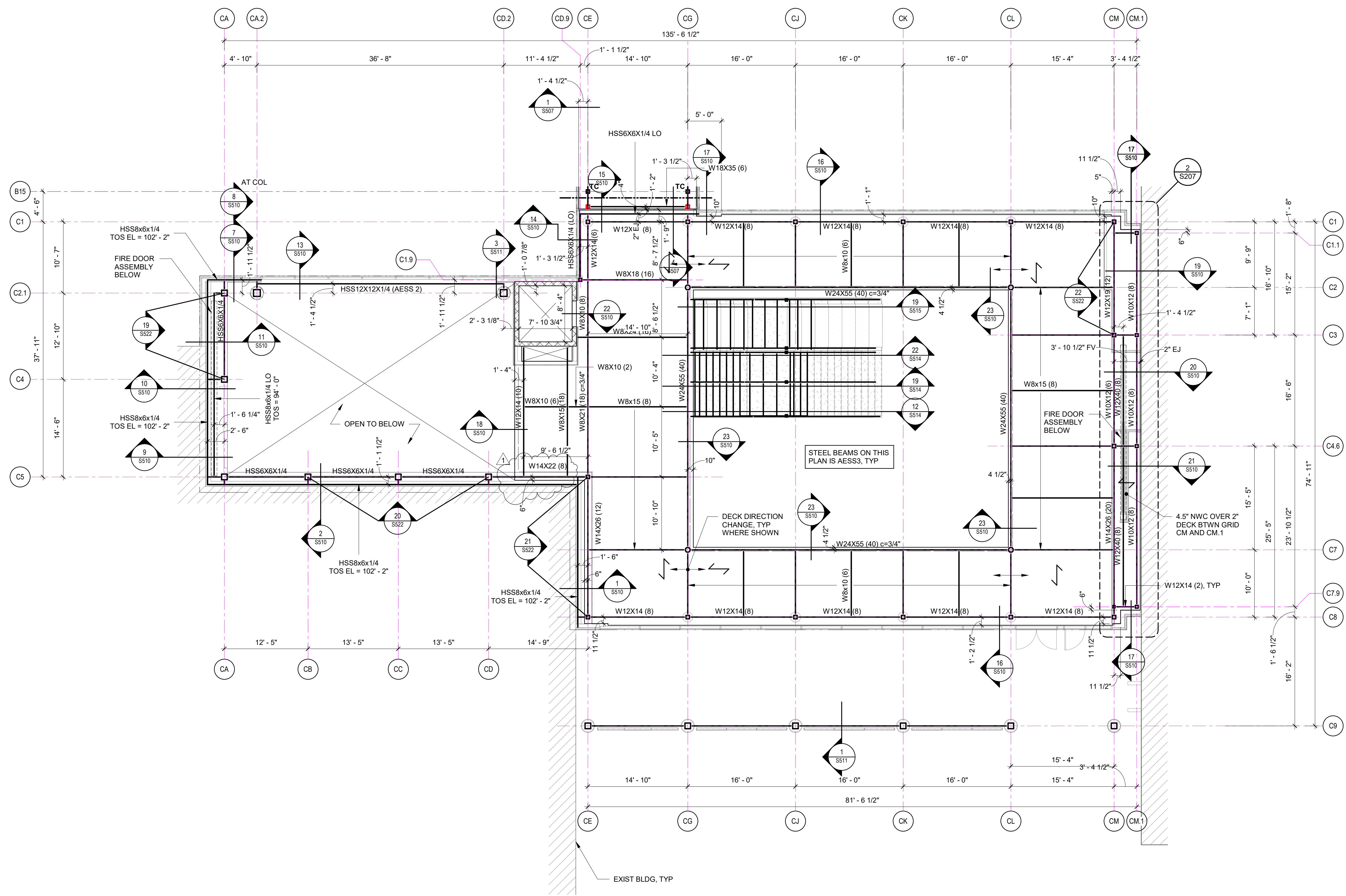
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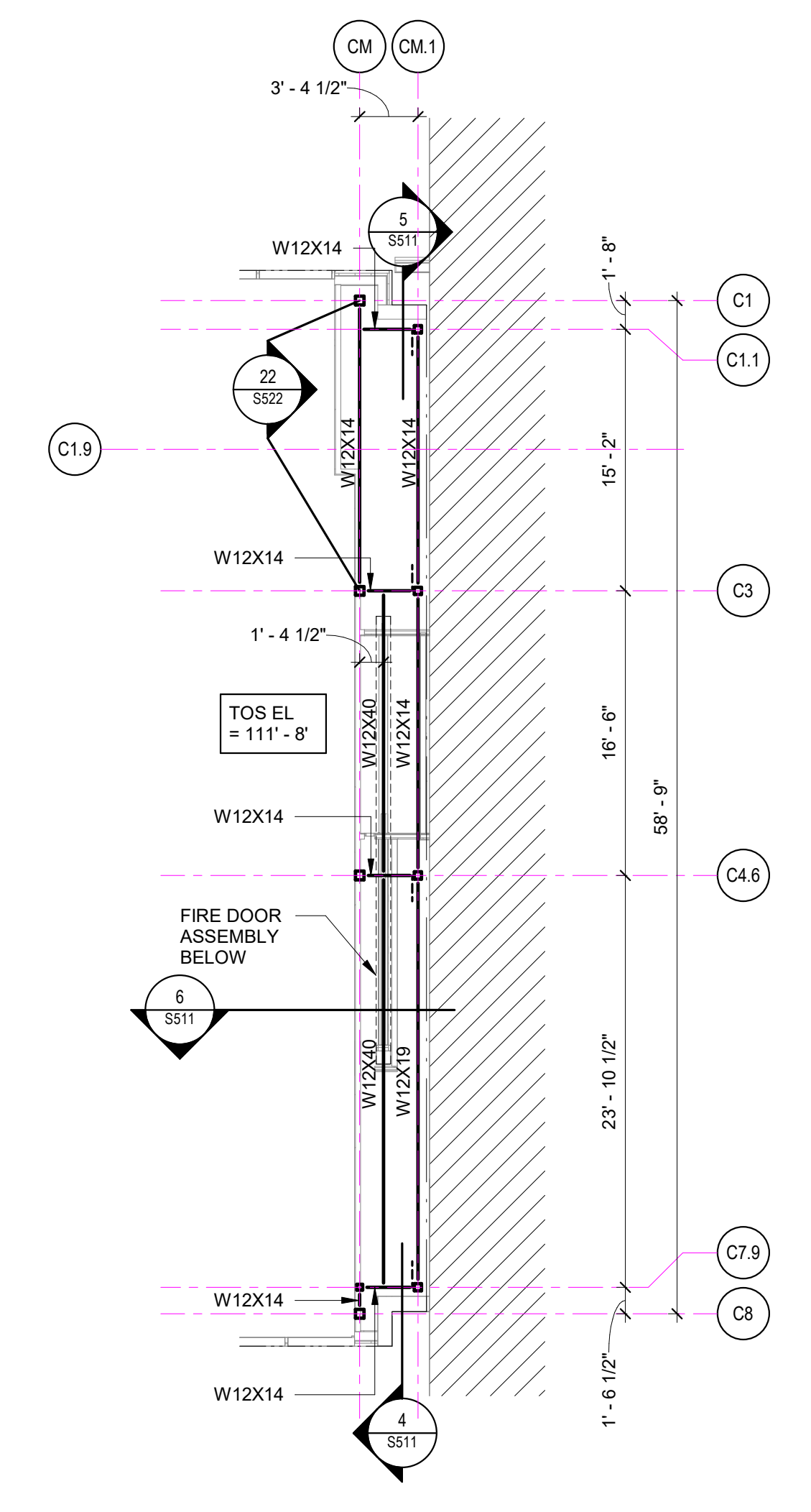
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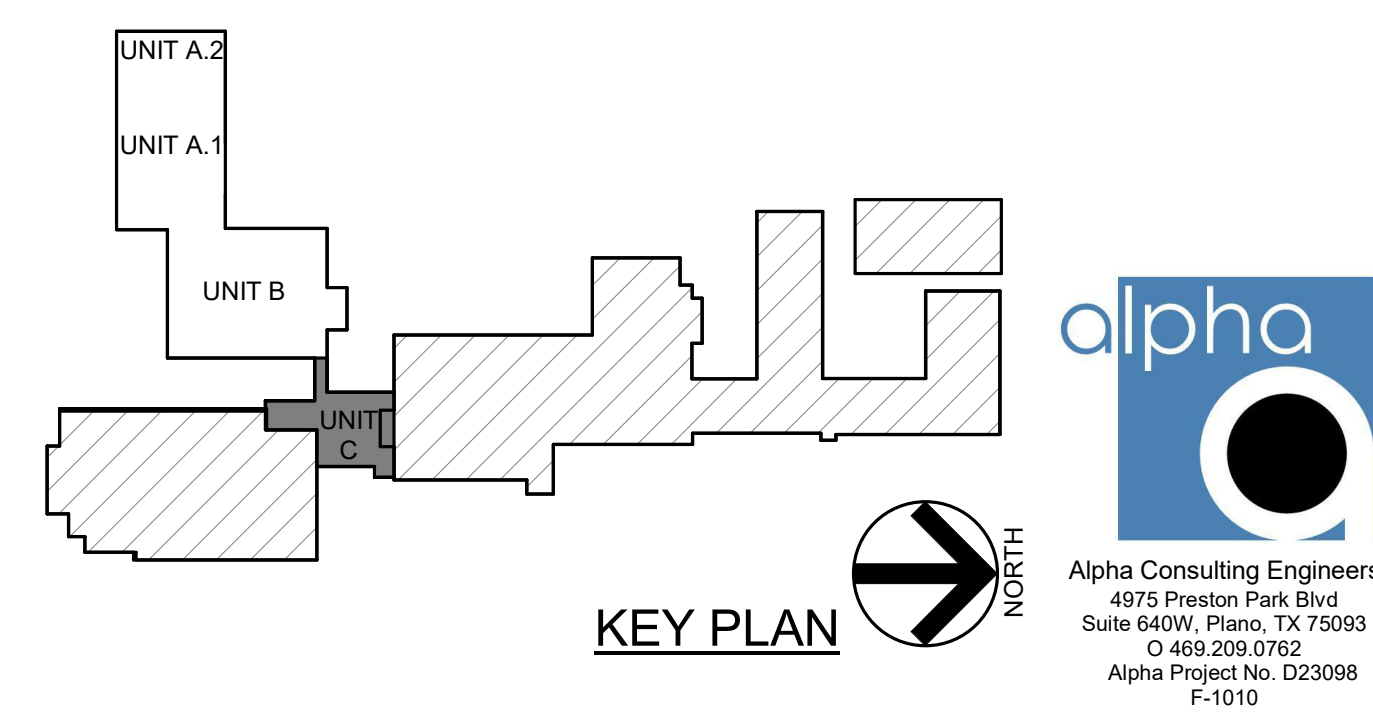
- ELEVATED FLOOR PLAN NOTES**
- FINISH FLOOR ELEVATION IS 102'-0" (RELATIVE TO DATUM 100'-0"). TOP OF CONCRETE SLAB IS AT FINISH FLOOR UNLESS NOTED OTHERWISE.
 - TYPICAL FLOOR SLAB IS 3.5-INCHES OF CONCRETE OVER 3-INCH COMPOSITE METAL DECK. SEE OVERALL PLANS AND STRUCTURAL NOTES.
 - STEEL FLOOR MEMBERS SHALL BE CENTERED ON AND EQUALLY SPACED BETWEEN COLUMN LINES, UNLESS NOTED OTHERWISE.
 - TC ANNOTATION NEAR COLUMN LOCATIONS INDICATES TOP OF COLUMN AT THIS LEVEL. IN THIS CASE TOP OF COLUMN IS AT FLOOR DECK BEARING ELEVATION UNLESS NOTED OTHERWISE.
 - ARCHITECTURAL BACKGROUND ELEMENTS DEPICTED ON THE PLANS ARE INTENDED FOR GENERAL COORDINATION UNDERSTANDING AND ARE NOT INTENDED FOR ANY OTHER PURPOSES. THIS PLAN MAY NOT BE THE FINAL DESIGN. SEE THE ARCHITECTURAL DRAWINGS.
 - (XX) K ANNOTATION IN BEAM TAG INDICATES AXIAL FORCE IN BEAM. SEE TYPICAL COMPOSITE BEAM DETAIL FOR ADDITIONAL INFORMATION.
 - SHEET INDEX:
 COLUMN SCHEDULE S501
 TYPICAL CONCRETE DETAILS S301
 ICF WALL ELEVATIONS & DETAILS S501
 TYPICAL STEEL DETAILS S501
 VERTICAL BRACE SCHEDULE S521



1 LEVEL 2 FRAMING PLAN - UNIT C
 SCALE : 1/8" = 1'-0"



2 PARTIAL LEVEL 2 FRAMING PLAN - AREA C
 SCALE : 1/8" = 1'-0"



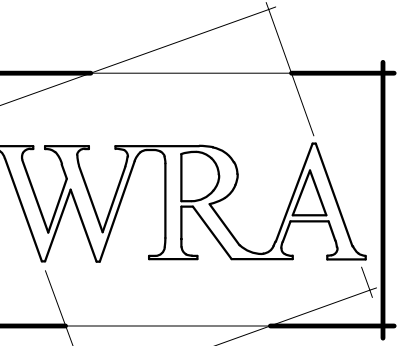
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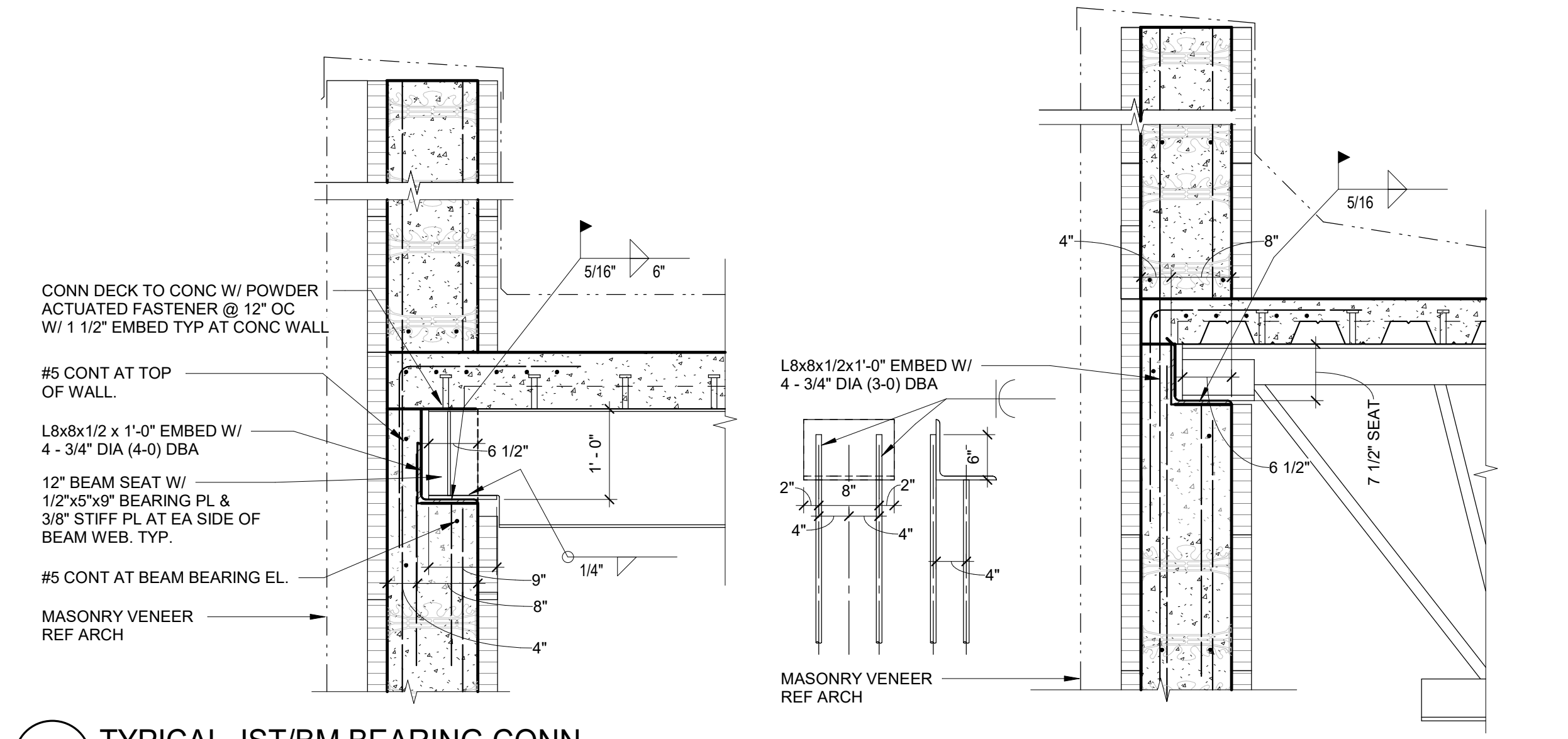
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 DATE: 09/04/2024
LEVEL 1 FRAMING PLAN - UNIT C
S207

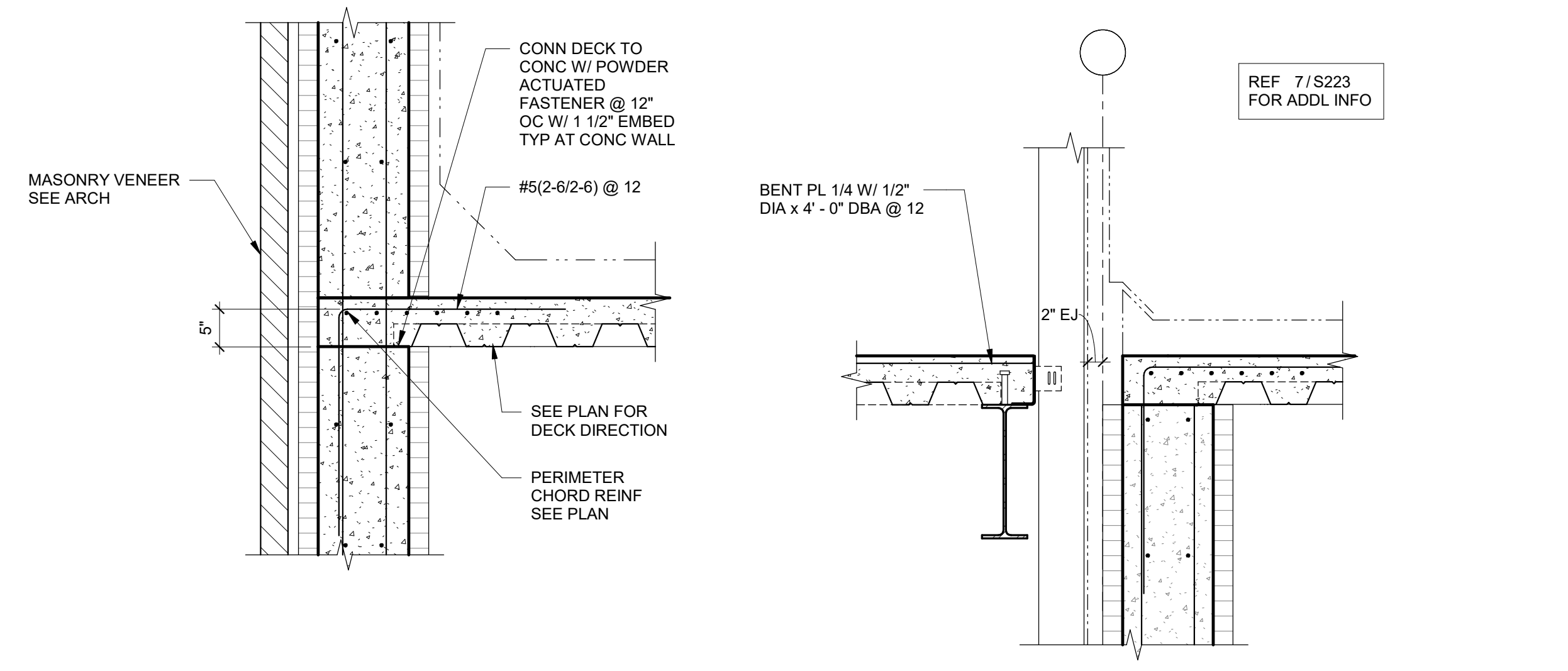




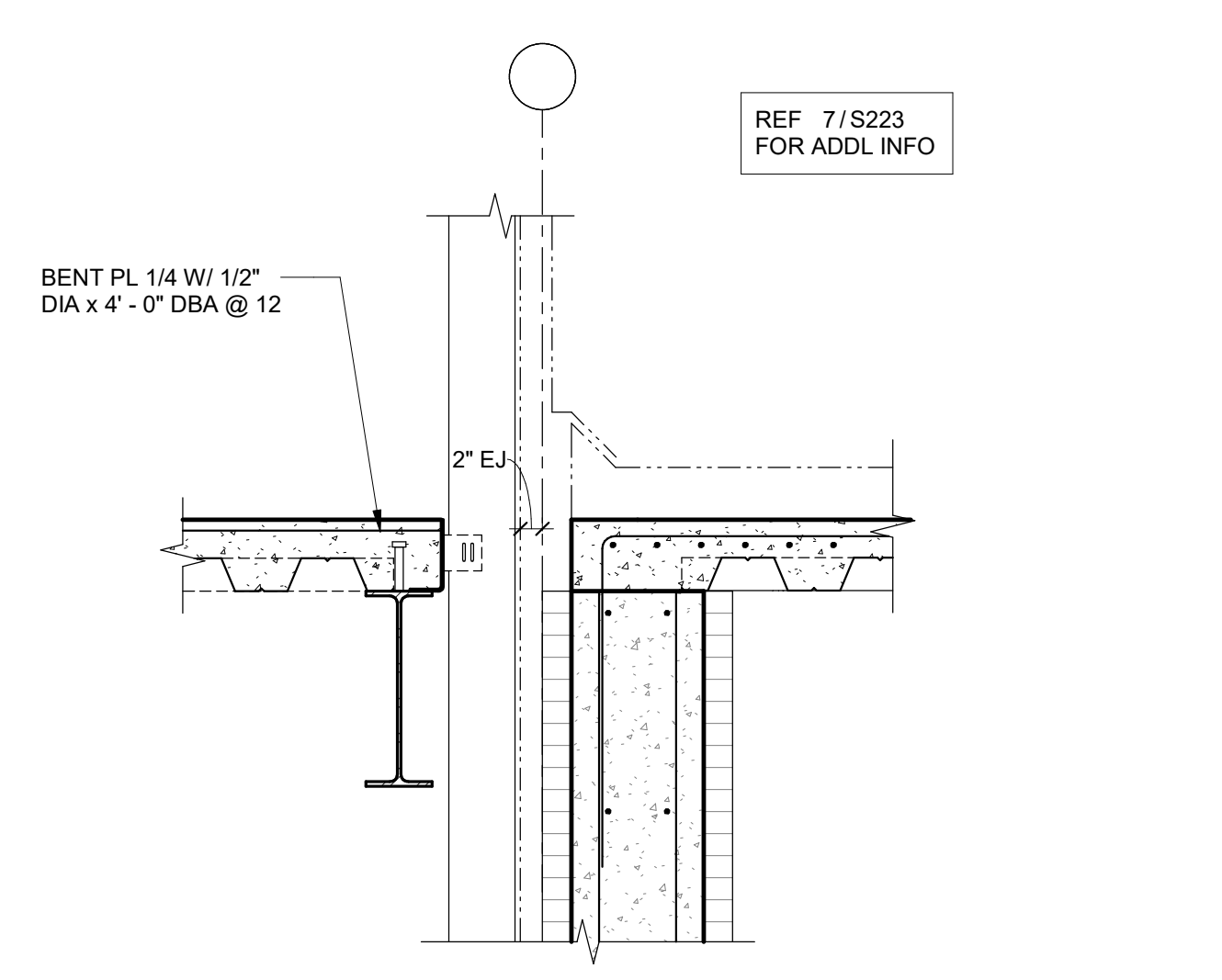
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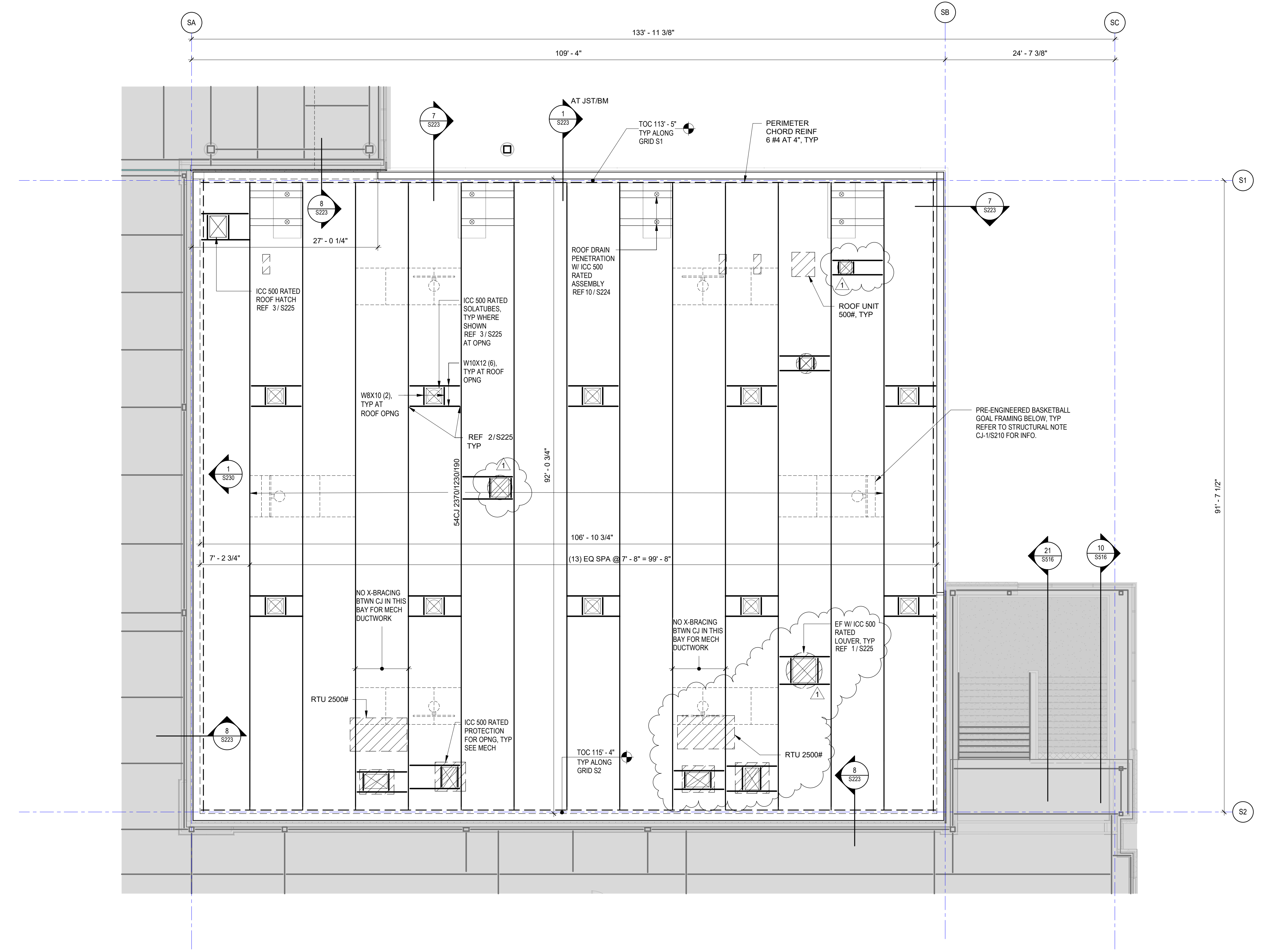
1 TYPICAL JST/BM BEARING CONN
SCALE : 3/4" = 1'-0"



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



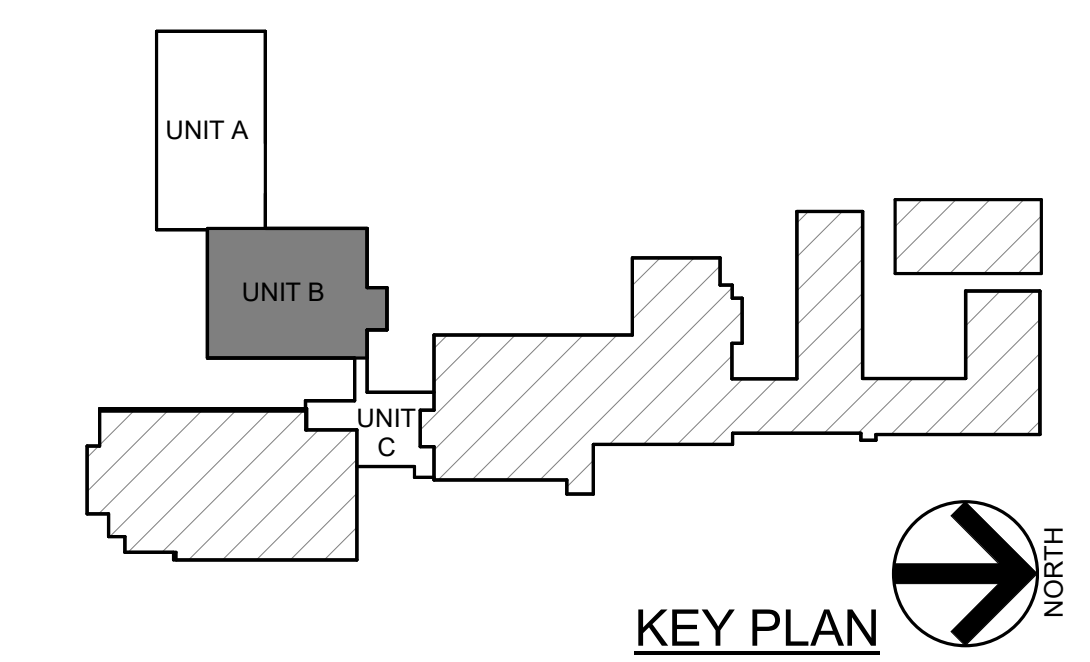
8 SCALE : 3/4" = 1'-0"



15 ROOF FRAMING PLAN - UNIT B STORM SHELTER
SCALE : 1/8" = 1'-0"

Alternate #8
Base Bid: Scope as shown to be bid.
Deduct Alternate Bid: Remove all Solatubes and Storm rated (FEMA) windows in the storm shelter (Unit B level 0).

- STORM SHELTER ROOF FRAMING PLAN NOTES**
- TOP OF ROOF STRUCTURE IS SLOPED FOR DRAINAGE. SEE TOP OF CONCRETE ELEVATIONS NOTED ON FRAMING PLANS. SLOPES SHALL BE UNIFORM BETWEEN CONCRETE WALL.
 - TYPICAL ROOF STRUCTURE IS 3 1/2" CONCRETE ON 3" COMPOSITE METAL DECK. SLAB MARK CAS. REFER TO STORM SHELTER STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
 - REFER TO STORM SHELTER STRUCTURAL NOTES FOR COMPOSITE STEEL JOIST DESIGN REQUIREMENTS.
 - ARCHITECTURAL BACKGROUND ELEMENTS DEPICTED ON THE PLANS ARE INTENDED FOR GENERAL COORDINATION UNDERSTANDING AND ARE NOT INTENDED FOR ANY OTHER PURPOSES. THIS PLAN MAY NOT BE THE FINAL DESIGN. SEE THE ARCHITECTURAL DRAWINGS.
 - SHEET INDEX:
COLUMN SCHEDULE SX
TYPICAL CONCRETE DETAILS SX
ICF WALL ELEVATIONS & DETAILS SX
TYPICAL STEEL DETAILS SX
VERTICAL BRACE SCHEDULE SX



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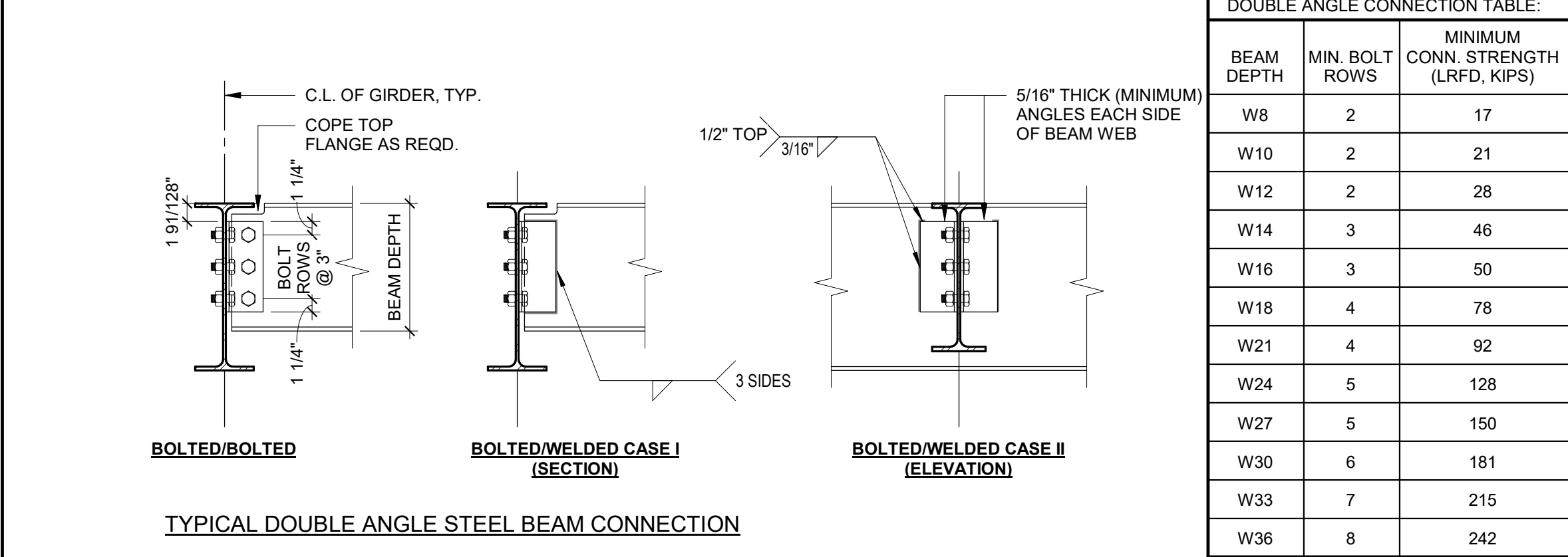
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STORM SHELTER ROOF FRAMING PLAN - UNIT B

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TYPICAL WIDE FLANGE STEEL BEAM CONNECTION DETAILS

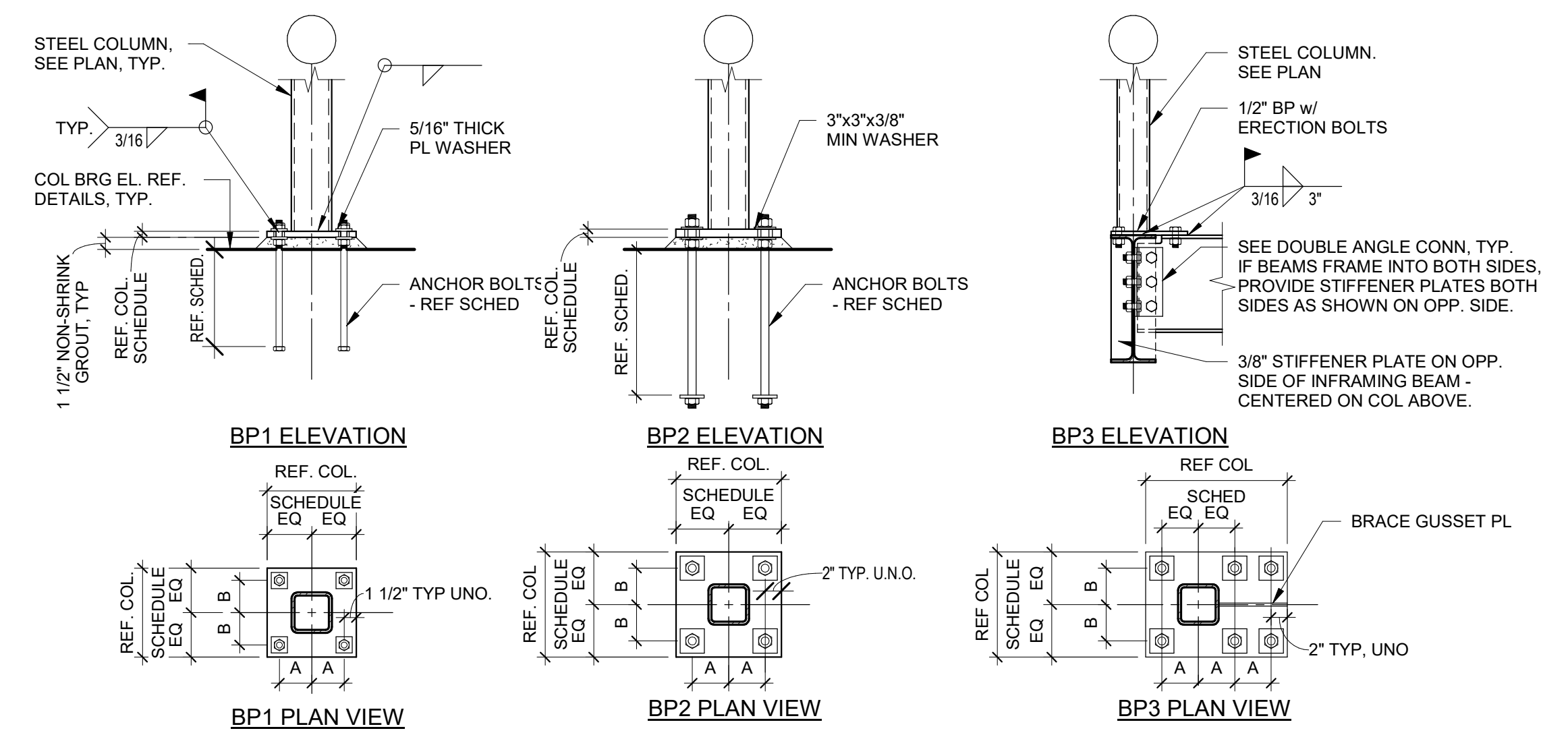


DOUBLE ANGLE CONNECTION TABLE:

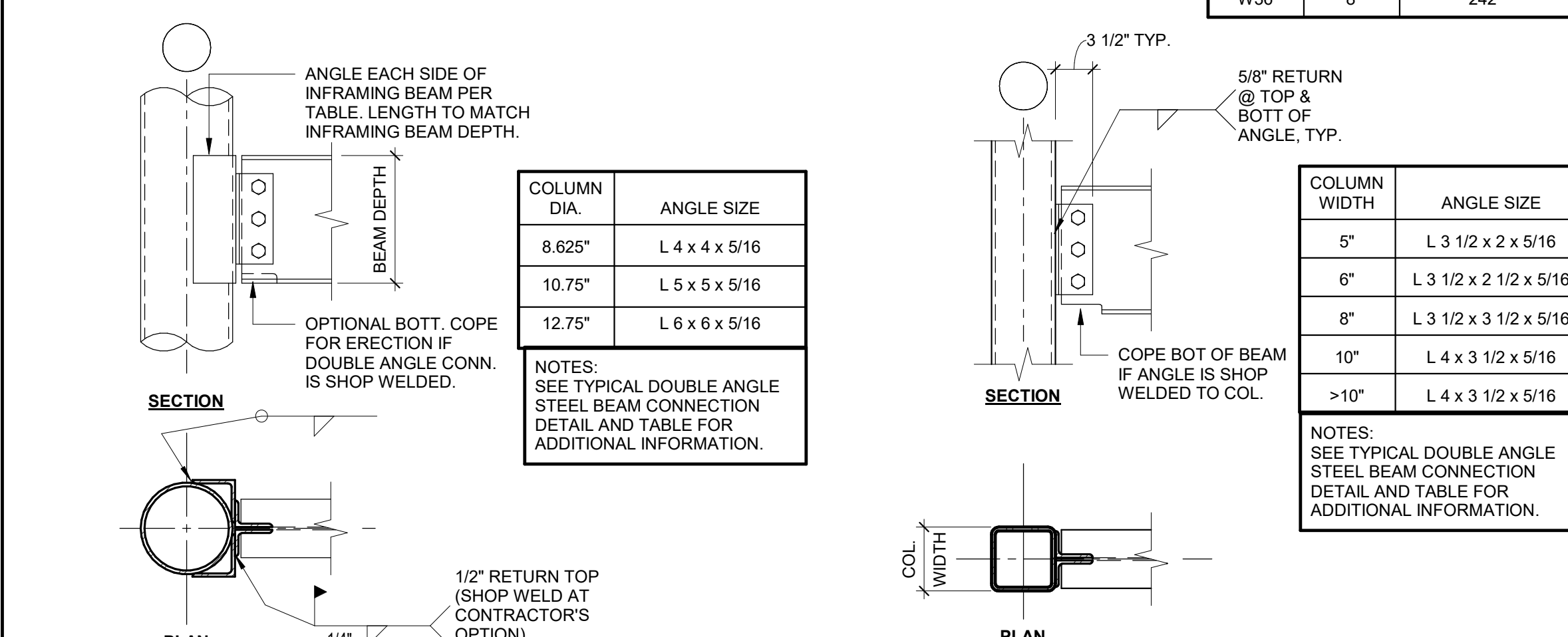
BEAM DEPTH	MIN. BOLT ROWS	MINIMUM CONN. STRENGTH (LRFD, KIPS)
W8	2	17
W10	2	21
W12	2	28
W14	3	46
W16	3	50
W18	4	78
W21	4	92
W24	5	128
W27	5	150
W30	6	181
W33	7	215
W36	8	242

TYPICAL STEEL BEAM CONNECTION DESIGN NOTES:

BC-1. REFER TO TYPICAL CONNECTION DETAILS AND TABLES FOR CONNECTION DESIGN REQUIREMENTS.
 BC-2. PRIOR TO FABRICATION, ALTERNATE CONNECTION DESIGN THAT DEVIATE FROM TYPICAL CONNECTION DETAILS SHALL BE SUBMITTED FOR APPROVAL AND REVIEW BY A LICENSED ENGINEER IN JURISDICTION OF THE PROJECT. ALTERNATE CONNECTIONS SHALL MEET OR EXCEED CALCULATIONS FOR EACH ALTERNATE CONNECTION.
 BC-3. BOLTS ARE 3/4" DIA. ASTM A325N (MINIMUM), TYPICAL UNLESS NOTED OTHERWISE.
 BC-4. AT FRAMING ELEVATION OR PLANS WHERE FORCES ARE SPECIFIED ON BEAM TAG, DESIGN EACH END OF STEEL BEAM CONNECTION TO RESIST AND TRANSFER FORCES NOTED ON BEAM TAG. FORCES NOTED ON BEAM TAG ARE INTENDED FOR LOAD AND RESISTANCE FACTOR DESIGN (LRFD).
 DESIGN BEAM CONNECTION TO RESIST BOTH VERTICAL SHEAR AND AXIAL FORCES SIMULTANEOUSLY. DESIGN CONNECTION ACCORDING TO STRUCTURAL STEEL CODE LISTED IN STRUCTURE NOTES.
 (V = XX K, A = XX K)
 V - INDICATE VERTICAL SHEAR FORCES DUE TO GRAVITY LOAD
 A - INDICATE AXIAL TENSION OR COMPRESSION FORCES DUE TO WIND AND GRAVITY LOADS.
 K - 1000 lbs.
 BC-5. AT VERTICAL BRACE FRAME, REFER TO VERTICAL BRACE NOTES & DETAILS FOR ADDITIONAL INFORMATION.

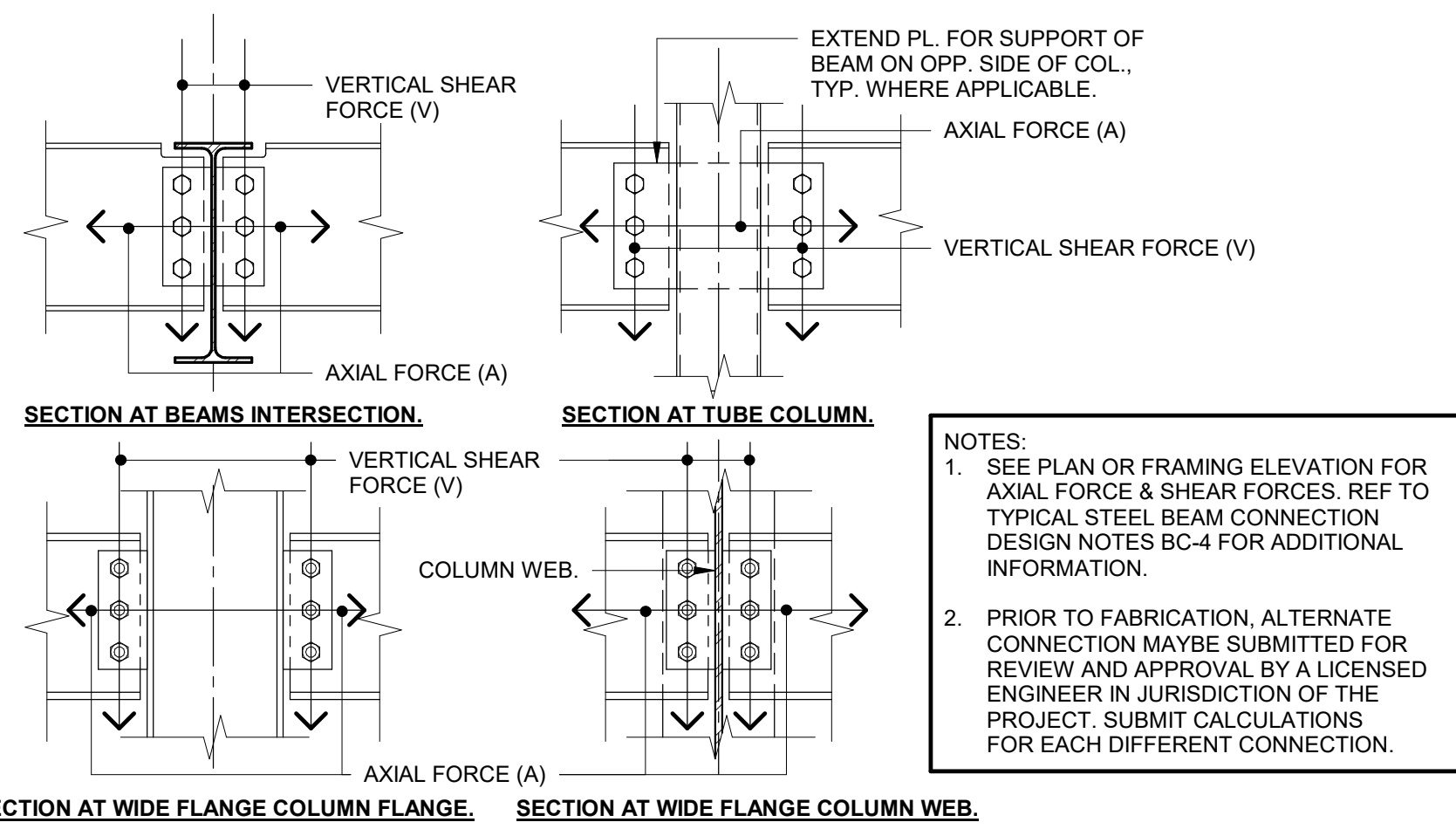


TYPICAL DOUBLE ANGLE STEEL BEAM CONNECTION

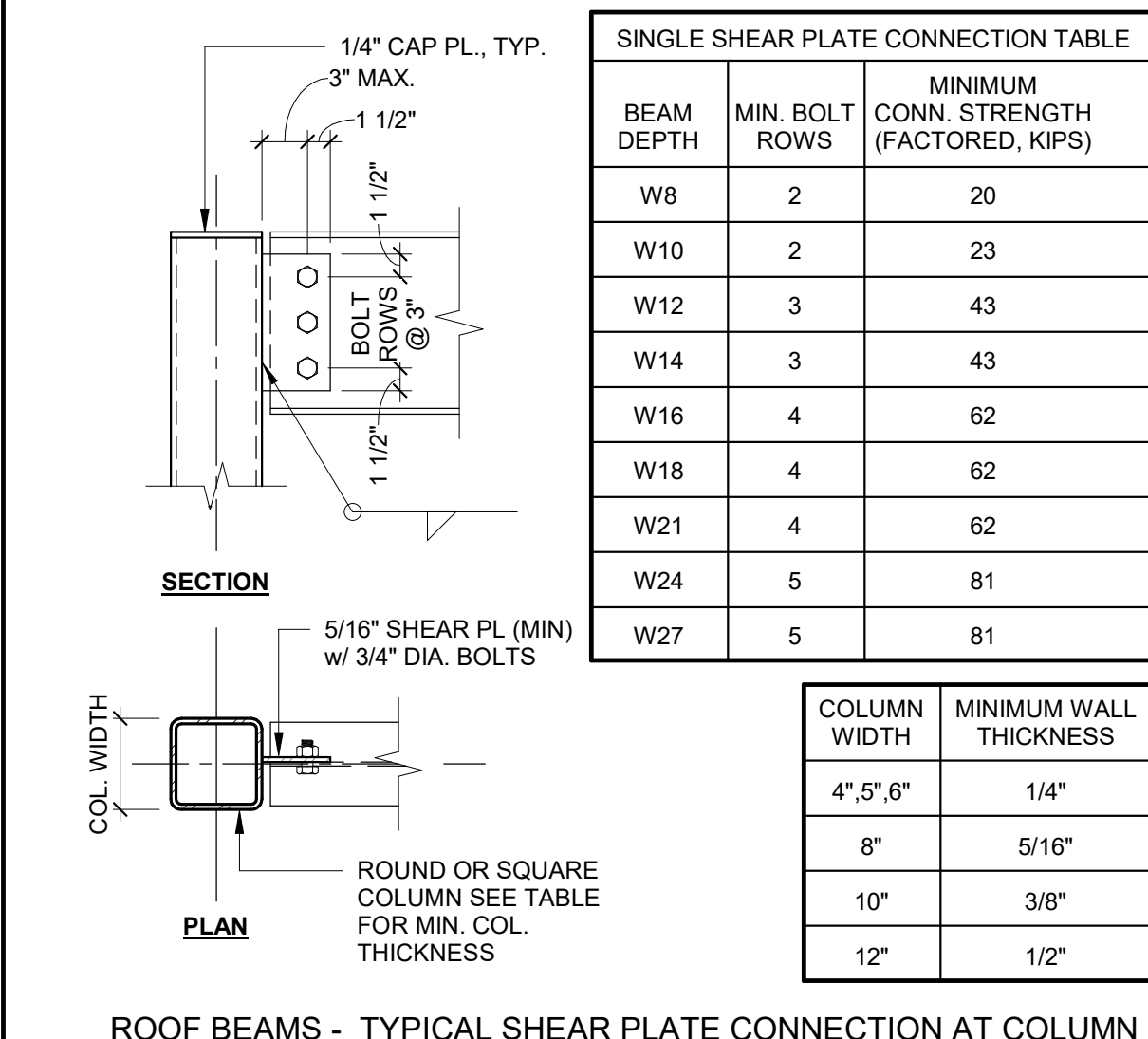


COLUMN DIA.	ANGLE SIZE
8.625"	L 4 x 4 x 5/16
10.75"	L 5 x 5 x 5/16
12.75"	L 6 x 6 x 5/16

COLUMN WIDTH	ANGLE SIZE
5"	L 3 1/2 x 2 x 5/16
6"	L 3 1/2 x 2 1/2 x 5/16
8"	L 3 1/2 x 3 1/2 x 5/16
10"	L 4 x 3 1/2 x 5/16
>10"	L 4 x 3 1/2 x 5/16



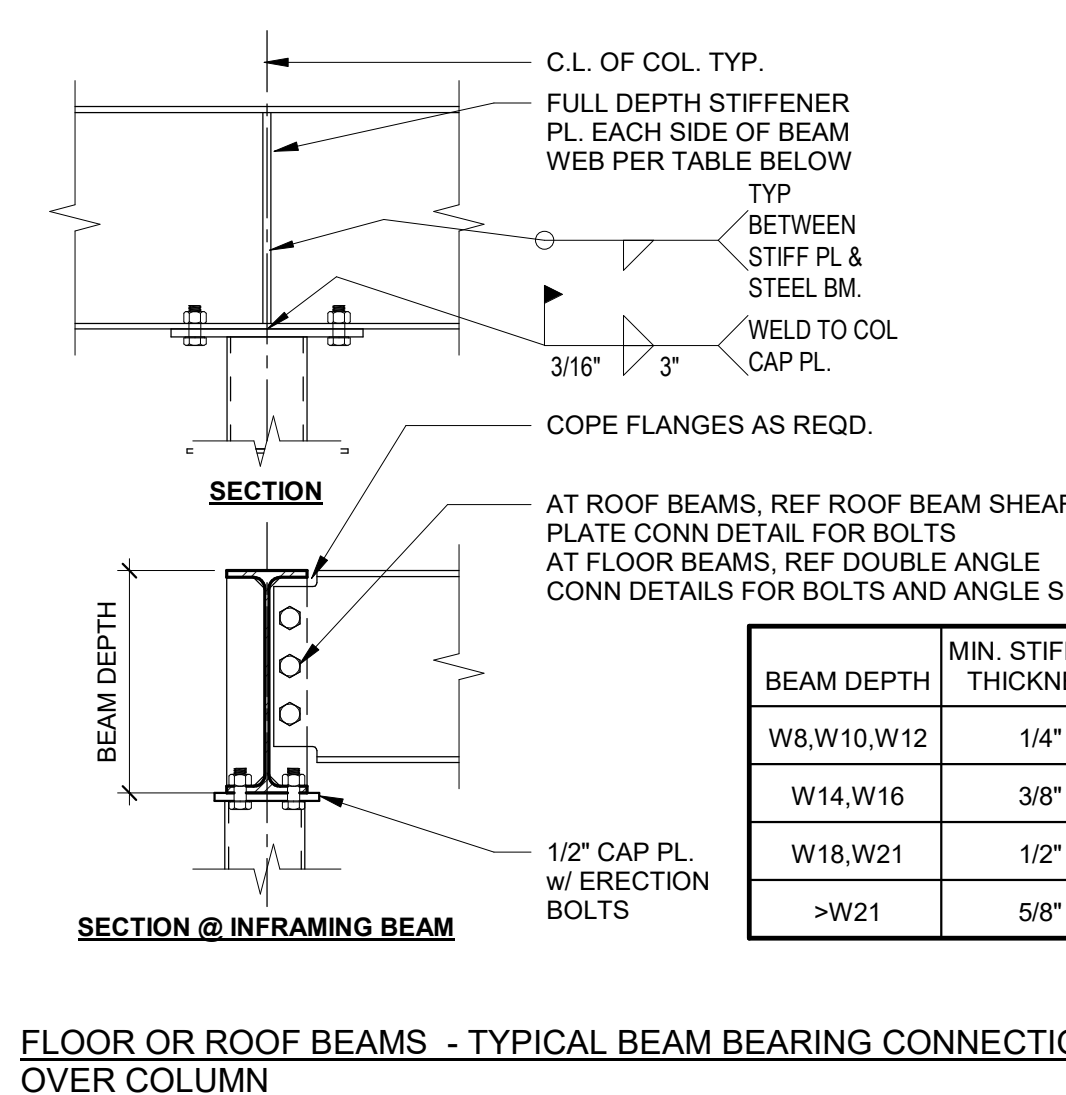
FLOOR BEAMS - TYPICAL DOUBLE ANGLE BEAM CONNECTION AT ROUND COLUMN



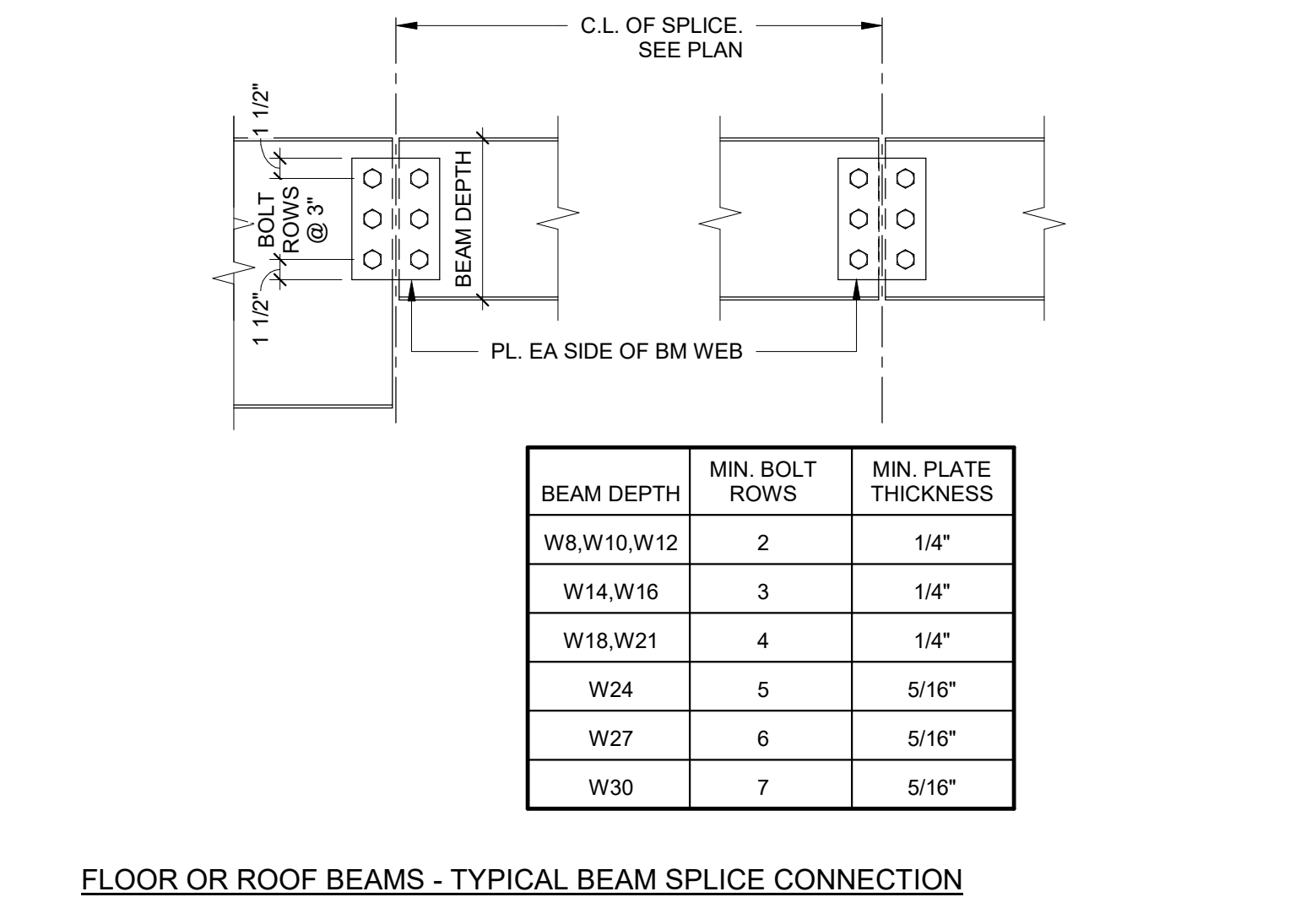
SINGLE SHEAR PLATE CONNECTION TABLE

BEAM DEPTH	MIN. BOLT ROWS	MINIMUM CONN. STRENGTH (FACTORED, KIPS)
W8	2	20
W10	2	23
W12	3	43
W14	3	43
W16	4	62
W18	4	62
W21	4	62
W24	5	81
W27	5	81

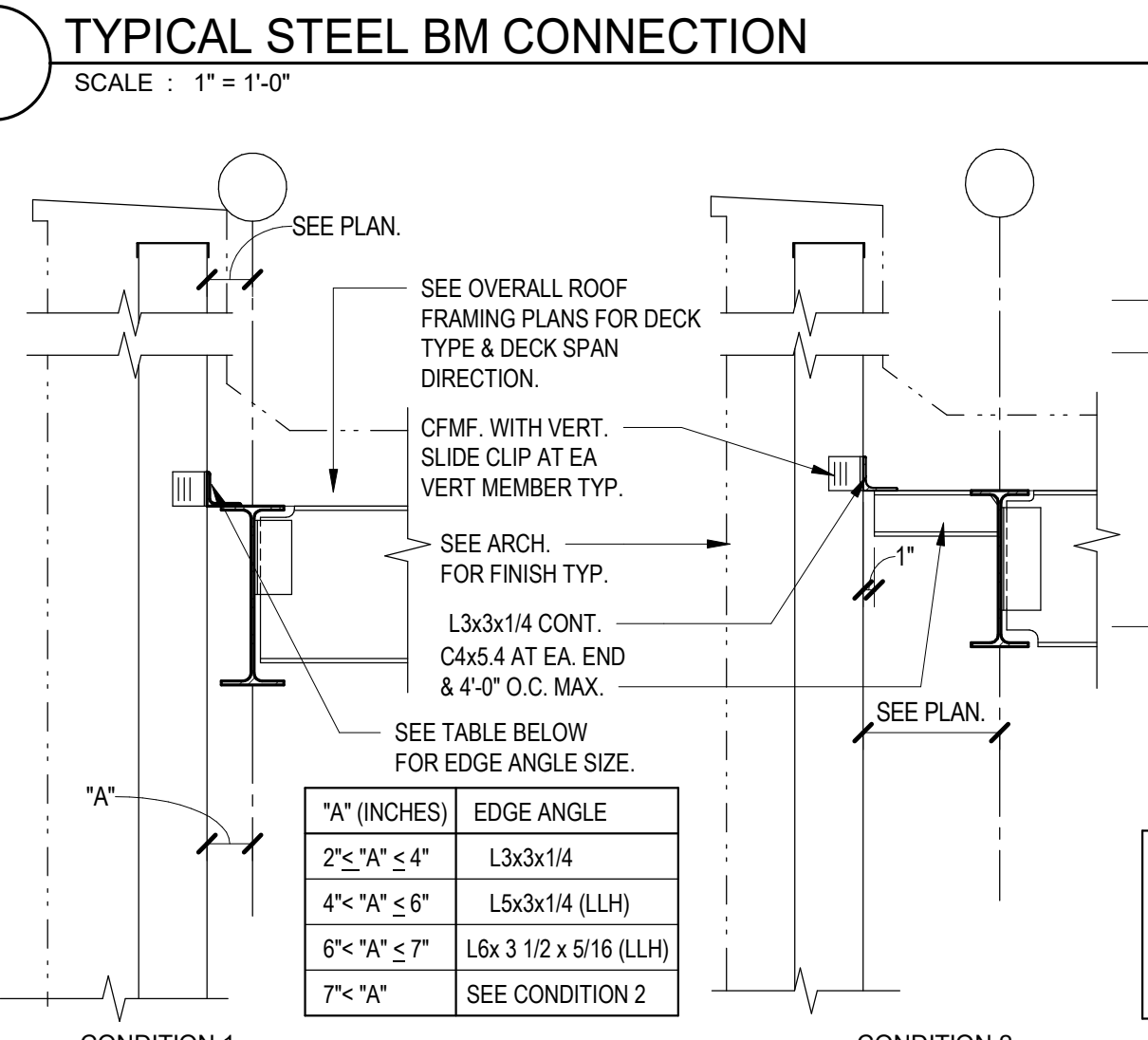
COMPOSITE STEEL BEAMS - TYPICAL DOUBLE ANGLE BEAM CONNECTION AT TUBE COLUMN



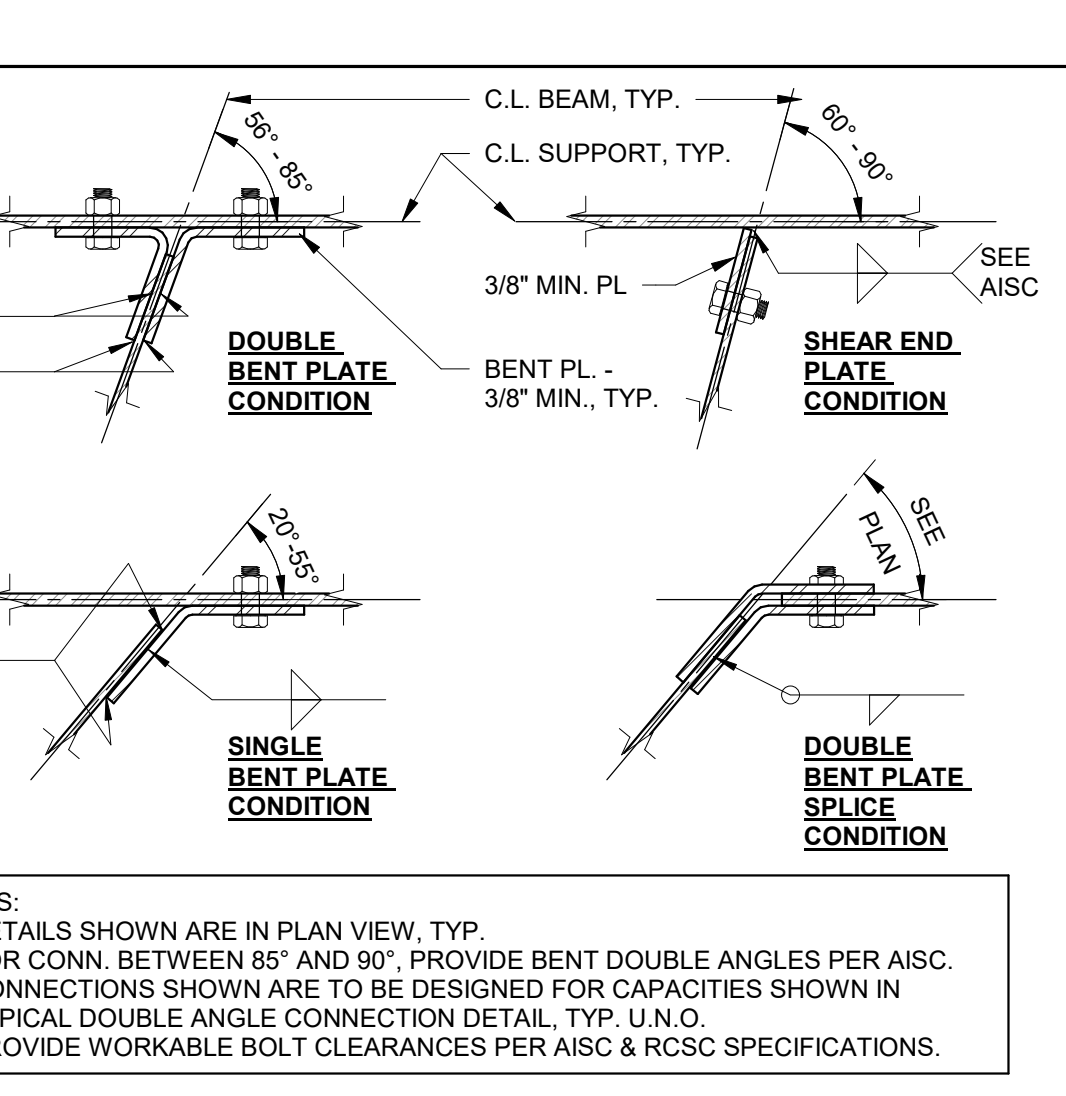
FLOOR OR ROOF BEAMS - TYPICAL STEEL CONNECTION TO TRANSFER AXIAL & SHEAR FORCES AT COLUMN & BEAMS



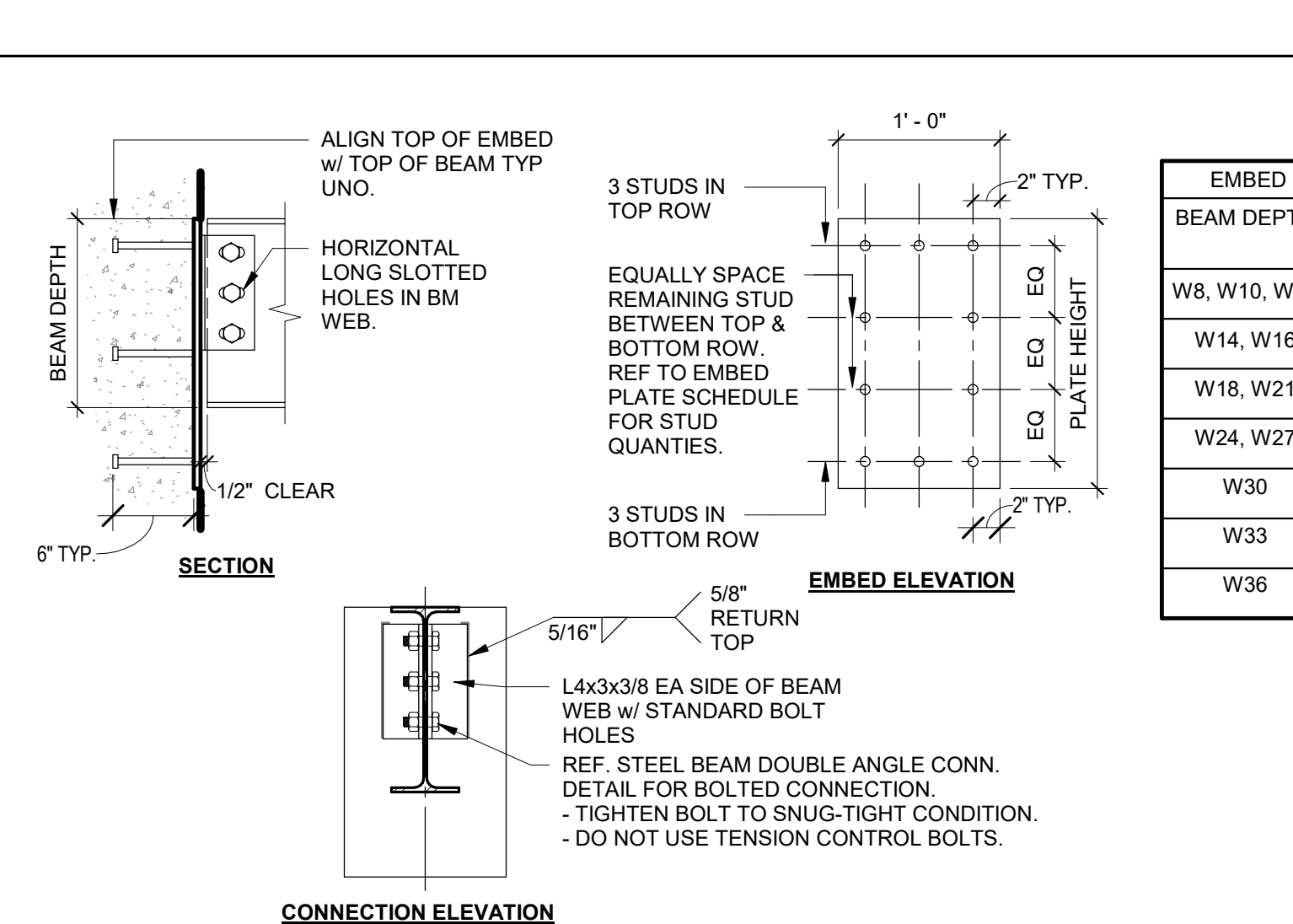
ROOF BEAMS - TYPICAL SHEAR PLATE CONNECTION AT COLUMN



FLOOR OR ROOF BEAMS - TYPICAL BEAM BEARING CONNECTION OVER COLUMN



FLOOR OR ROOF BEAMS - TYPICAL BEAM SPLICE CONNECTION



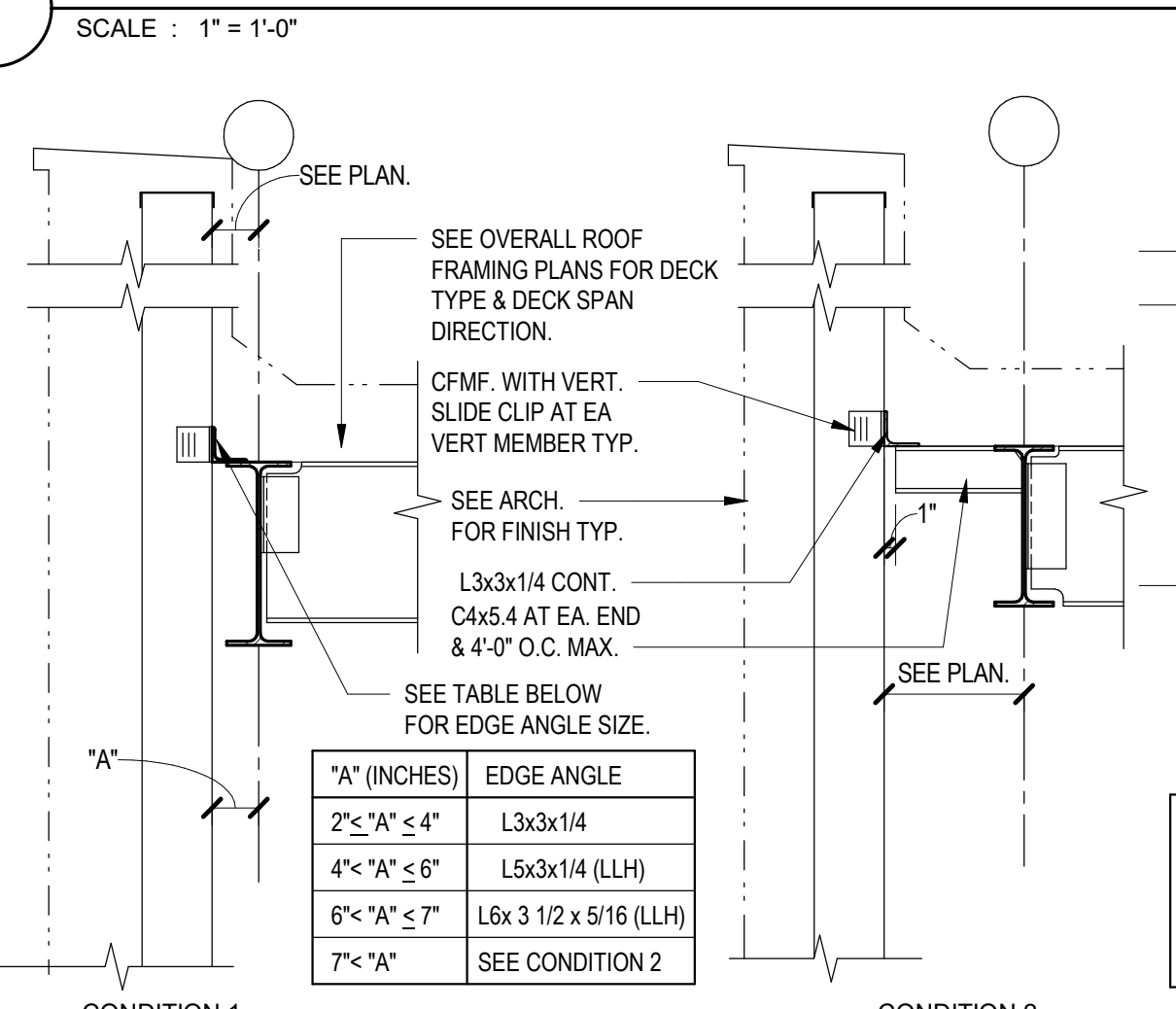
ANCHOR BOLT TYPES

STEEL COLUMN SCHEDULE

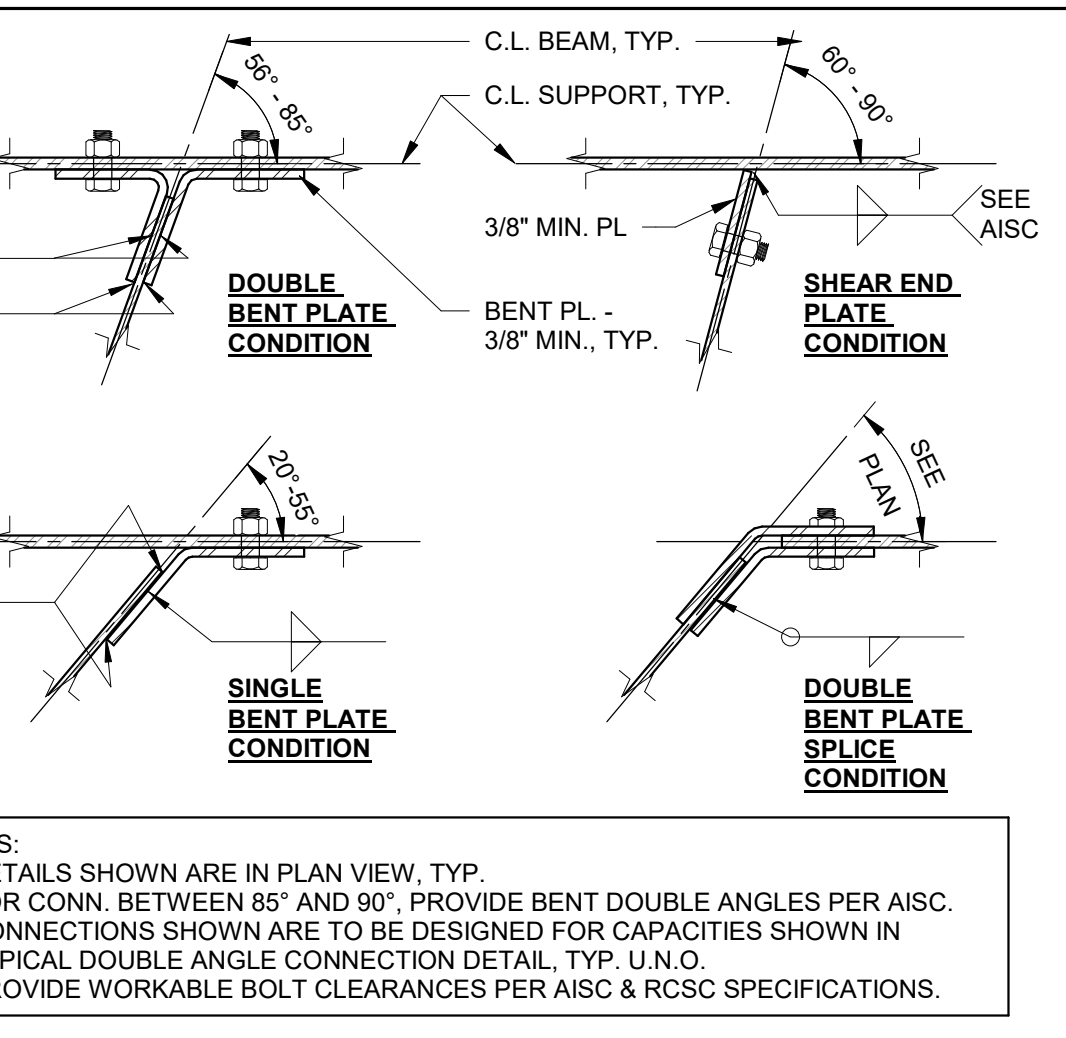
COL MARK	COL SIZE & NOTES	BASE PLATE DIMENSIONS (WIDTH x LENGTH x THICKNESS) (IN.)	BASE PL TYPE	ANCHOR BOLTS	ANCHOR BOLT EMBEDMENT	ANCHOR BOLT SPACING A	ANCHOR BOLT SPACING B	Count
CA1	HSS6x6x1/4	12X12X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	4 1/2"	4 1/2"	7
CA2	HSS6x6x3/8	14X14X1-3/4	BP2	4 - 1" DIA AB-2	2'-0"	5"	5"	3
CA3	HSS6x6x3/8	22X14X1-3/4	BP3	6 - 1" DIA AB-2	2'-0"	5"	5"	4
CA4	HSS6x6x3/8	12X12X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	4 1/2"	4 1/2"	9
CA5	HSS6x6x3/8	12X12X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	4 1/2"	4 1/2"	11
CA6	HSS6x6x1/2	12X12X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	4 1/2"	4 1/2"	4
CA7	HSS12x12x1/4	18X18X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	7 1/2"	7 1/2"	7
CA8	HSS12x12x3/8	20X16X1-3/4	BP2	4 - 1" DIA AB-2	2'-0"	8"	8"	1
CA9	HSS12x12x3/8	25X20X1-3/4	BP3	6 - 1 1/8" DIA AB-2	2'-0"	7"	8"	1
CA10	HSS12x12x5/16	14X14X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	5 1/2"	5 1/2"	3
CA11	HSS14x14x5/16 (c)	20X20X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	8 1/2"	8 1/2"	5
CA12	HSS6x6x5/8	14X14X1-3/4	BP2	4 - 1" DIA AB-2	2'-0"	5"	5"	1
CA13	HSS6x6x5/8	25X14X1-3/4	BP3	6 - 1 1/8" DIA AB-2	2'-0"	7 1/2"	5"	1
CA14	HSS12x12x5/16 (c)	18X18X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	7 1/2"	7 1/2"	3
CA15	HSS12x12x5/16 (d)	18X18X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	7 1/2"	7 1/2"	2
CA16	HSS12x12x5/16	18X18X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	7 1/2"	7 1/2"	3
CA17	HSS6x6x5/16 (d)	12X12X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	4 1/2"	4 1/2"	14
CA18	HSS6x6x3/8 (d)	12X12X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	4 1/2"	4 1/2"	1
CA19	HSS6x6x5/16 (d)	14X14X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	5 1/2"	5 1/2"	1
CA20	HSS12x10x3/8	28x18x1-1/4	BP3	6 - 1" DIA AB-2	2'-0"	8"	7"	2
CA21	HSS6x6x1/2	22X14X1-3/4	BP3	6 - 1" DIA AB-2	2'-0"	6"	5"	2
CA22	HSS6x6x3/8	22X14X1-3/4	BP3	6 - 1" DIA AB-2	2'-0"	8"	5"	1
CB1	HSS8x8x1/2 (a)	14X14X1-1/4	BP1	4 - 3/4" DIA AB-1	1'-0"	5 1/2"	5 1/2"	7
CB2	HSS10x6x1/2 (a), (b)	16X12X1-1/4	BP1	4 - 3/4" DIA AB-1	1'-0"	6 1/2"	4 1/2"	4
CB3	HSS8x8x1/2	14X14X1-1/4	BP1	4 - 3/4" DIA AB-1	1'-0"	5 1/2"	5 1/2"	4
CB4	HSS6x6x1/4	9X12X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	3"	4 1/2"	3
CB5	HSS6x6x1/4	12X9X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	4 1/2"	3"	3
CB6	HSS6x6x3/8	12X9X1-1/4	BP1	4 - 3/4" DIA AB-1	1'-0"	4 1/2"	3"	1
CB7	HSS6x6x5/16	9X12X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	2"	4 1/2"	4
CB8	HSS8X8X1/4	14X14X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	5 1/2"	5 1/2"	2
CB9	HSS10X6X1/2	16X14X1-1/4	BP2	4 - 1" DIA AB-2	2'-0"	7 1/2"	5"	2
CB10	HSS10X6X1/2	16X14X1-1/4	BP2	4 - 1" DIA AB-2	2'-0"	7 1/2"	5"	2
CB11	HSS8x8x3/8	16X16X1-1/4	BP2	4 - 1" DIA AB-2	2'-0"	6"	6"	2
CB12	HSS6x6x3/8	22X14X1-1/4	BP3	6 - 1" DIA AB-2	2'-0"	6"	5"	2
CC1	HSS8 625x 322	13X13X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	5"	5"	4
CC2	HSS12X12X1/4	18X18X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	7 1/2"	7 1/2"	2
CC3	HSS10X10X1/4 (c)	16X13X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	6 1/2"	5"	7
CC4	HSS10X10X5/16	18X14X1-1/4	BP2	4 - 1" DIA AB-2	1'-6"	7"	5"	2
CC5	HSS10X10X5/16	25X14X1-1/4	BP3	6 - 1" DIA AB-2	1'-6"	7"	5"	3
CC6	HSS6x6x1/4	12X12X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	4 1/2"	4 1/2"	11
CC7	HSS6x6x1/4	11X11X3/4	BP1	4 - 3/4" DIA AB-1	1'-0"	4 1/2"	4 1/2"	5
CC8	HSS6x6x1/4	14X14X1-1/4	BP2	4 - 1" DIA AB-2	1'-6"	5"	5"	1
CC9	HSS6x6x1/4	22X12X1-1/4	BP3	6 - 1" DIA AB-2	1'-6"	6"	4 1/2"	1
CC10	HSS6x6x3/8	22X12X1-1/4	BP3	6 - 1" DIA AB-2	1'-6"	6"	4 1/2"	1
CC11	HSS6x6x3/8	14X14X1-1/4	BP2	4 - 1" DIA AB-2	1'-6"	5"	5"	1
CS1	HSS14x14	1/2" PL	BP3	STUB COL	NA	NA	NA	23
CS2	HSS6x6x1/4	1/2" PL	BP3	STUB COL	NA	NA	NA	4
CS3	HSS6x6x3/8	3/4" PL	BP3	STUB COL	NA	NA	NA	6
CS4	HSS6x6x1/2	3/4" PL	BP3	STUB COL	NA	NA	NA	4
CS5	HSS6x6x3/8	3/4" PL	BP3	6 - 3/4" BOLTS	NA	BM GAGE	6"	7
CS6	HSS6x6x5/16	3/4" PL	BP3	STUB COL	NA	NA	NA	2
CS7	HSS5X5X3/8	3/4" PL	BP3	STUB COL	NA	NA	NA	1

GENERAL COLUMN SCHEDULE NOTES:
 1. BASE PL BOLT HOLE FOR ANCHOR BOLTS SHALL NOT EXCEED THE MAX BOLT HOLE DIAMETER LISTED IN AISC STEEL CONSTRUCTION MANUAL TABLE 14-2.
 2. PROVIDE 1/4" CAP PL AT TOP OF TUBE COLUMN TYPICAL UNO.
SPECIFIC COLUMN SCHEDULE NOTES:
 (a). HOT-DIP GALVANIZE BOTTOM 17FT OF COLUMNS AND BASE PLATES.
 (b). PROVIDE A325 FINISH FOR COLUMNS.
 (c). HOT-DIP GALVANIZE EXTERIOR COLUMNS AND BASE PLATES.
 (d). HOT-DIP GALVANIZE BOTTOM 12FT OF COLUMNS AND BASE PLATES.

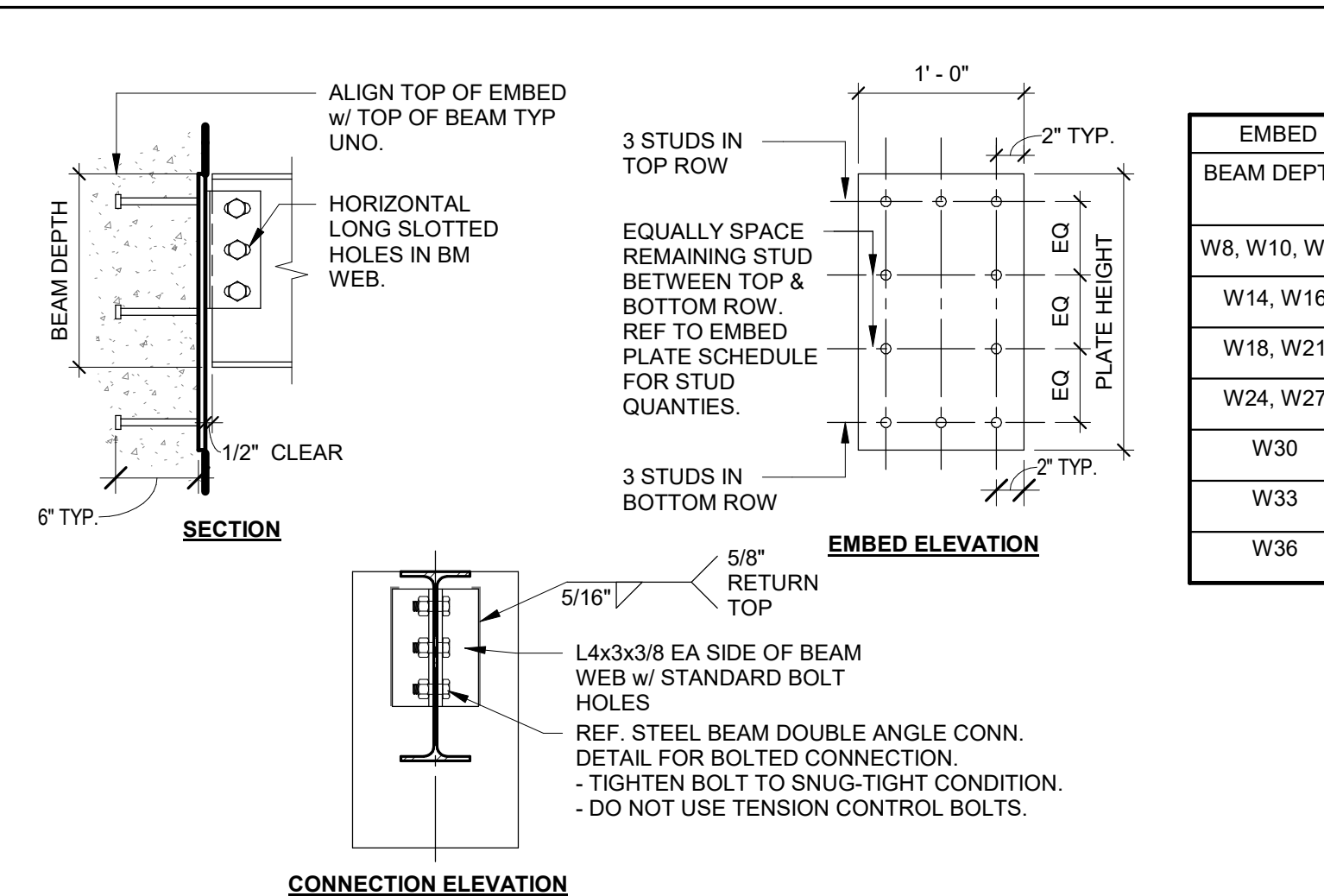
1 TYPICAL STEEL BM CONNECTION



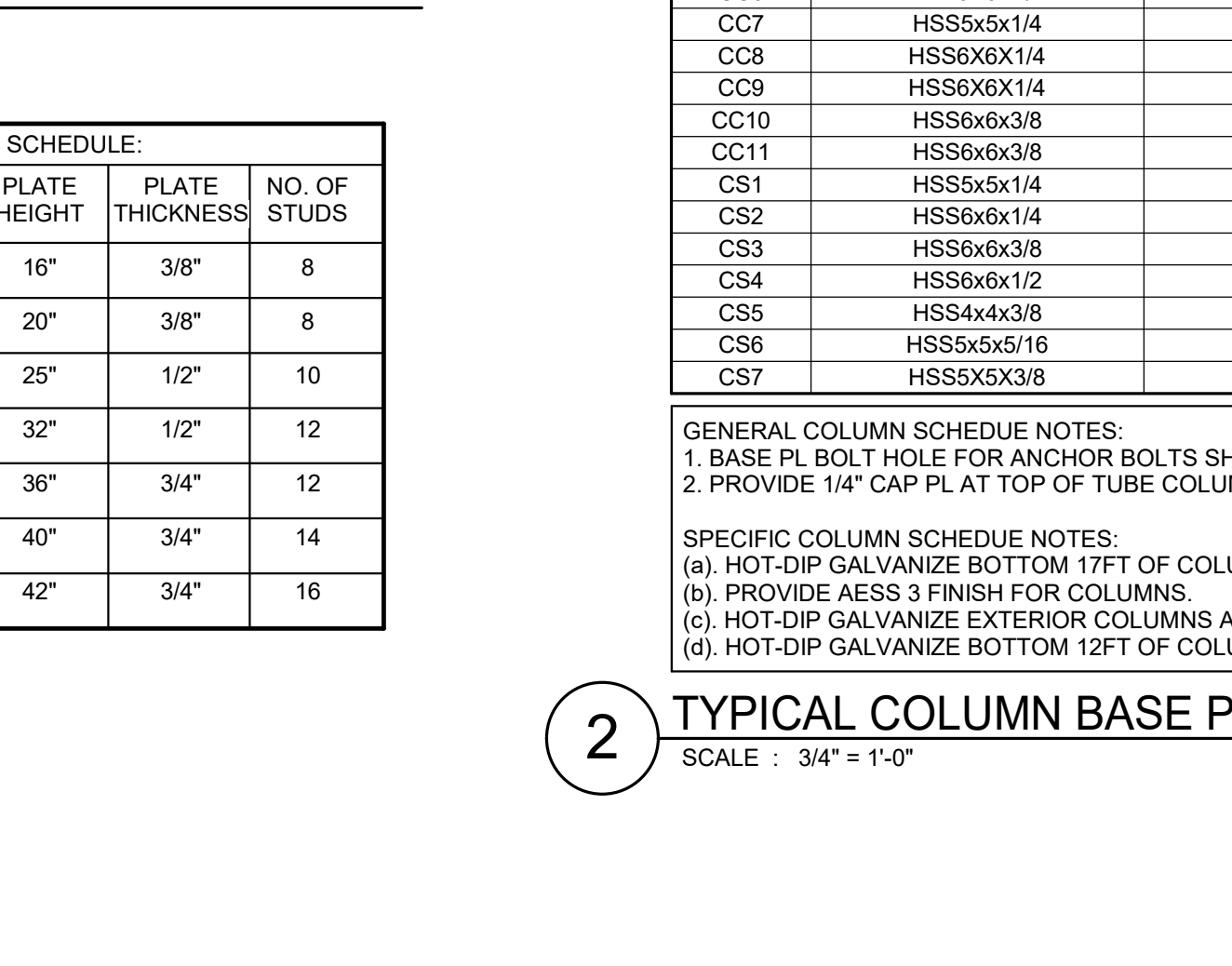
19 TYPICAL ROOF EDGE ANGLE



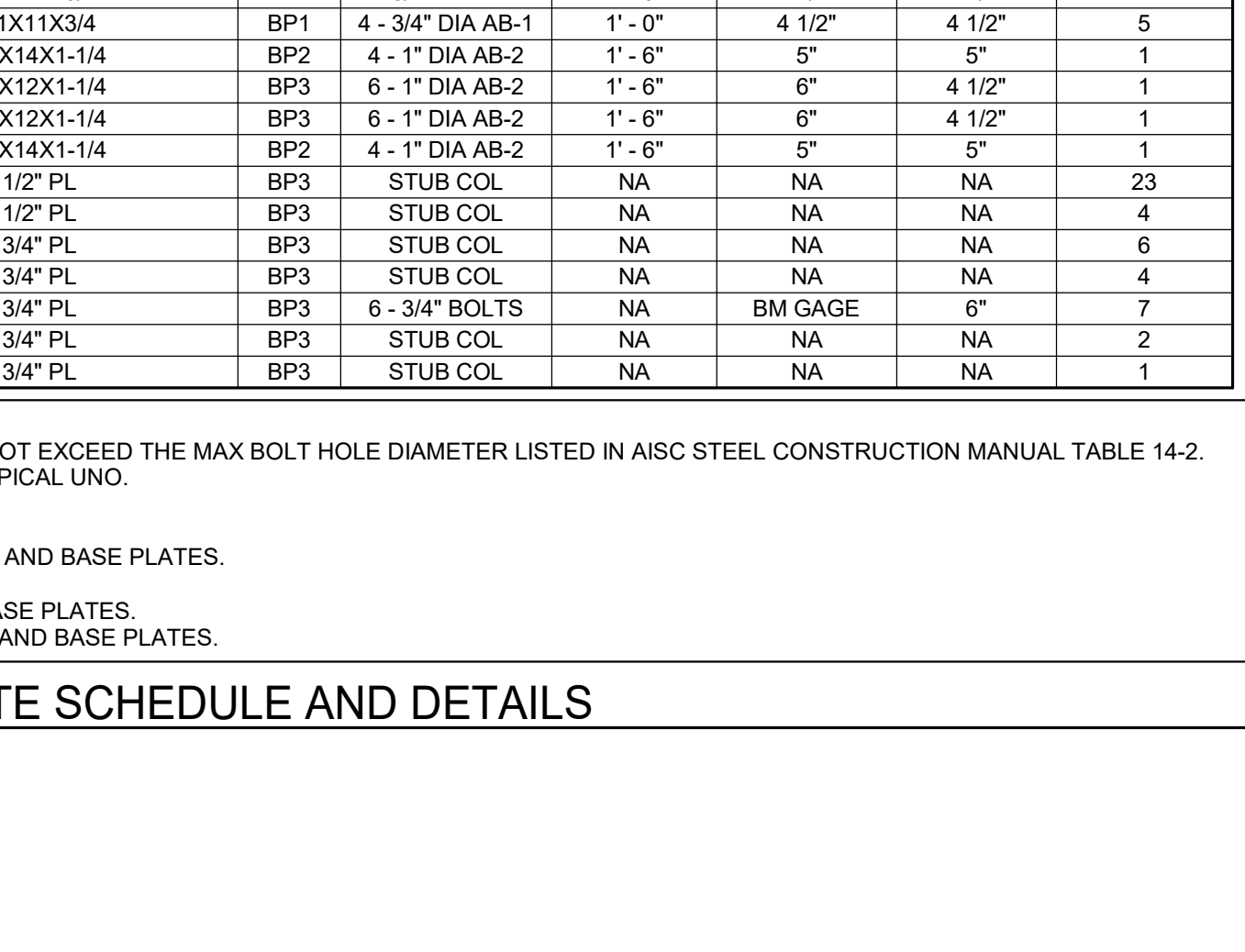
20 TYPICAL SKEWED CONN



21 STEEL BEAM TO CONCRETE CONNECTION



2 TYPICAL COLUMN BASE PLATE SCHEDULE AND DETAILS



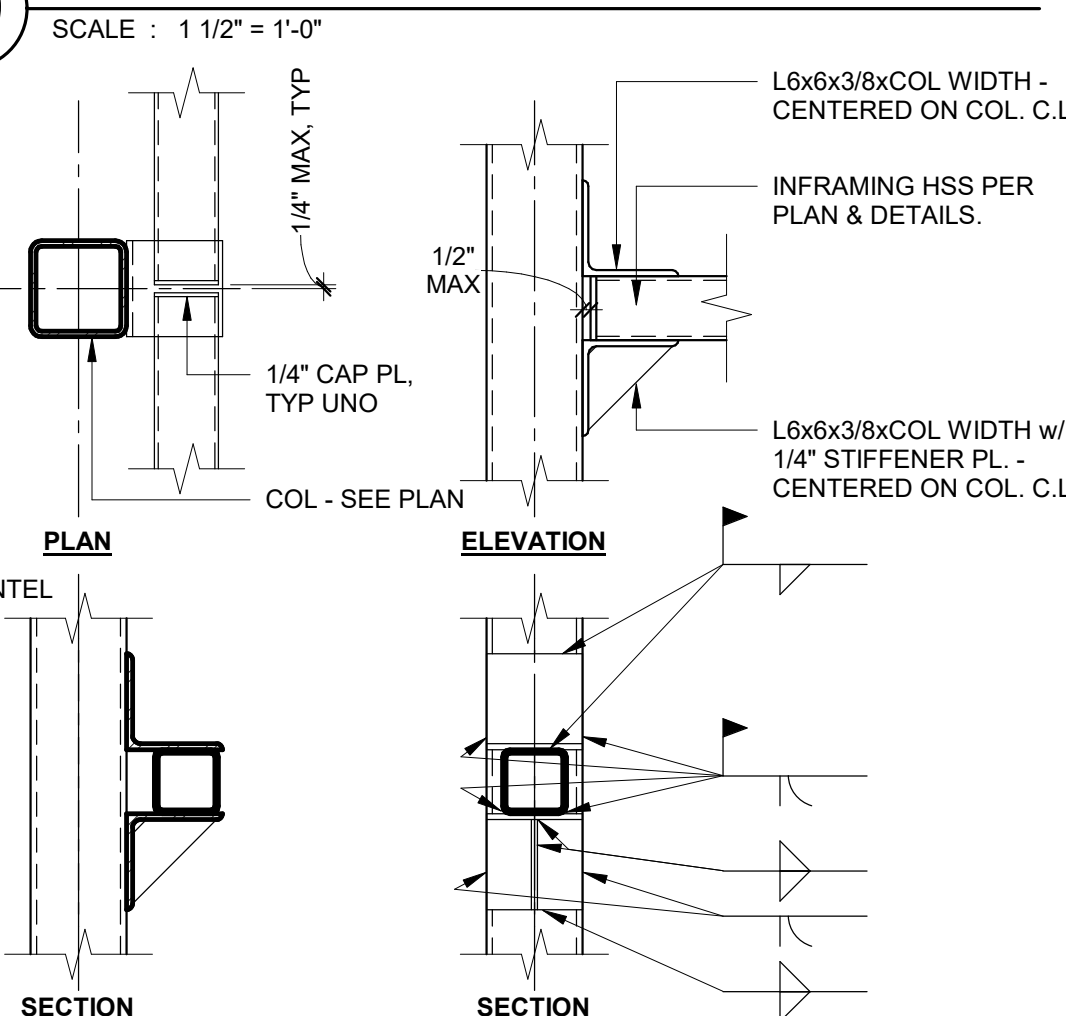
19 TYPICAL ROOF EDGE ANGLE

LOOSE STEEL LINTEL SCHEDULE FOR RUNNING BOND MASONRY VENEER

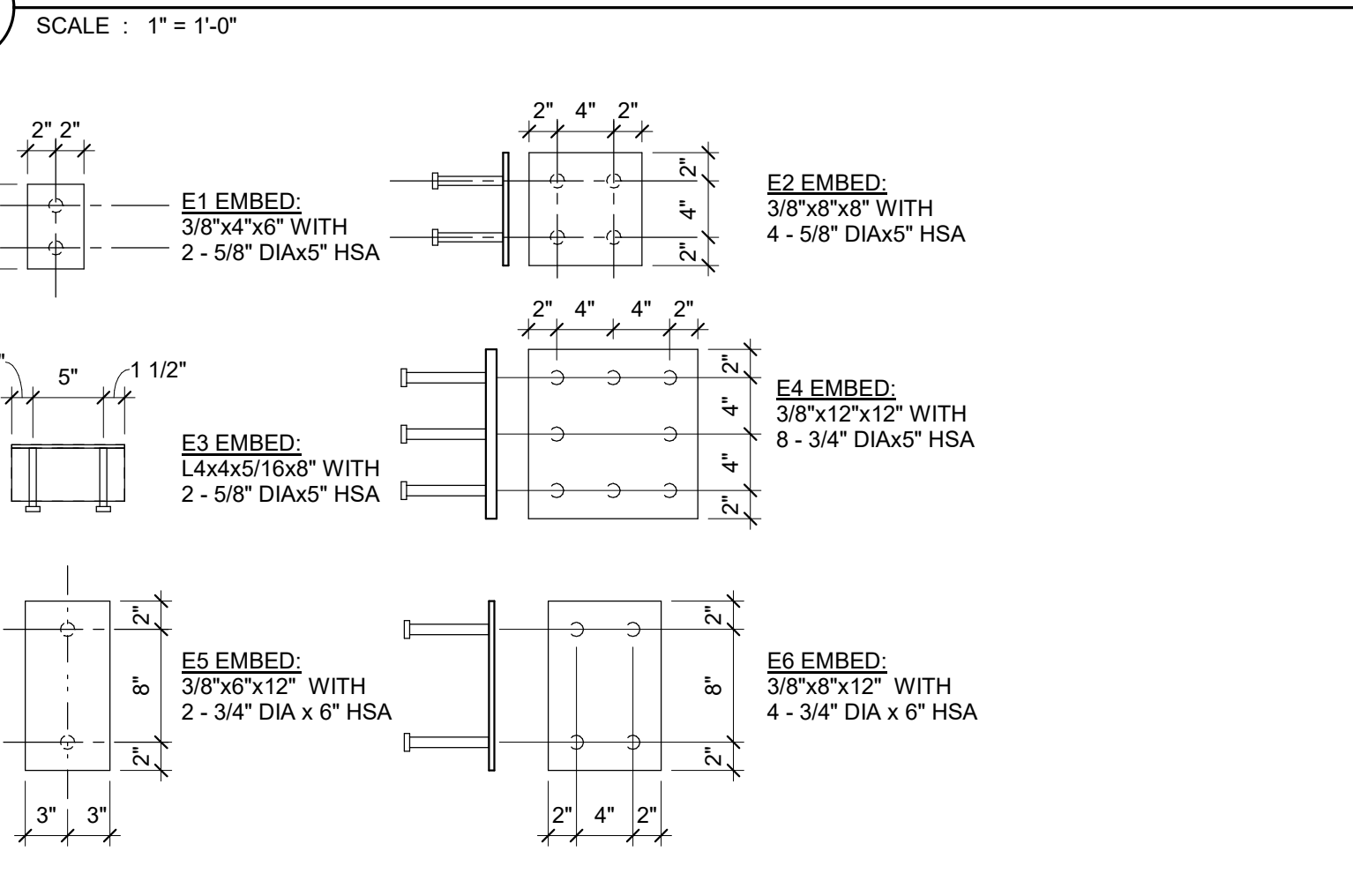
LINTEL SIZE	MAX. CLEAR OPENING	REMARKS
L4 x 4 x 5/16	6'-0"	MIN. 8" BRG. EA. END
L6 x 4 x 5/16 (LLV)	10'-0"	MIN. 8" BRG. EA. END
L7 x 4 x 3/8 (LLV)	12'-0"	MIN. 12" BRG. EA. END

NOTES:
 1. PROVIDE GALVANIZED COATING TYP. REFER TO STRUCTURAL NOTE FOR ADDL INFO.
 2. LINTEL IS DESIGNED TO SUPPORT RUNNING BOND MASONRY VENEER.
 3. AT CONDITION WHERE JAMB BETWEEN OPENING IS LESS THAN 16", PROVIDE L7x4x3/8 STEEL LINTEL AND LINTEL IS CONT ACROSS BOTH OPENING WITH MIN. OF 12" BRG AT END SUPPORT.

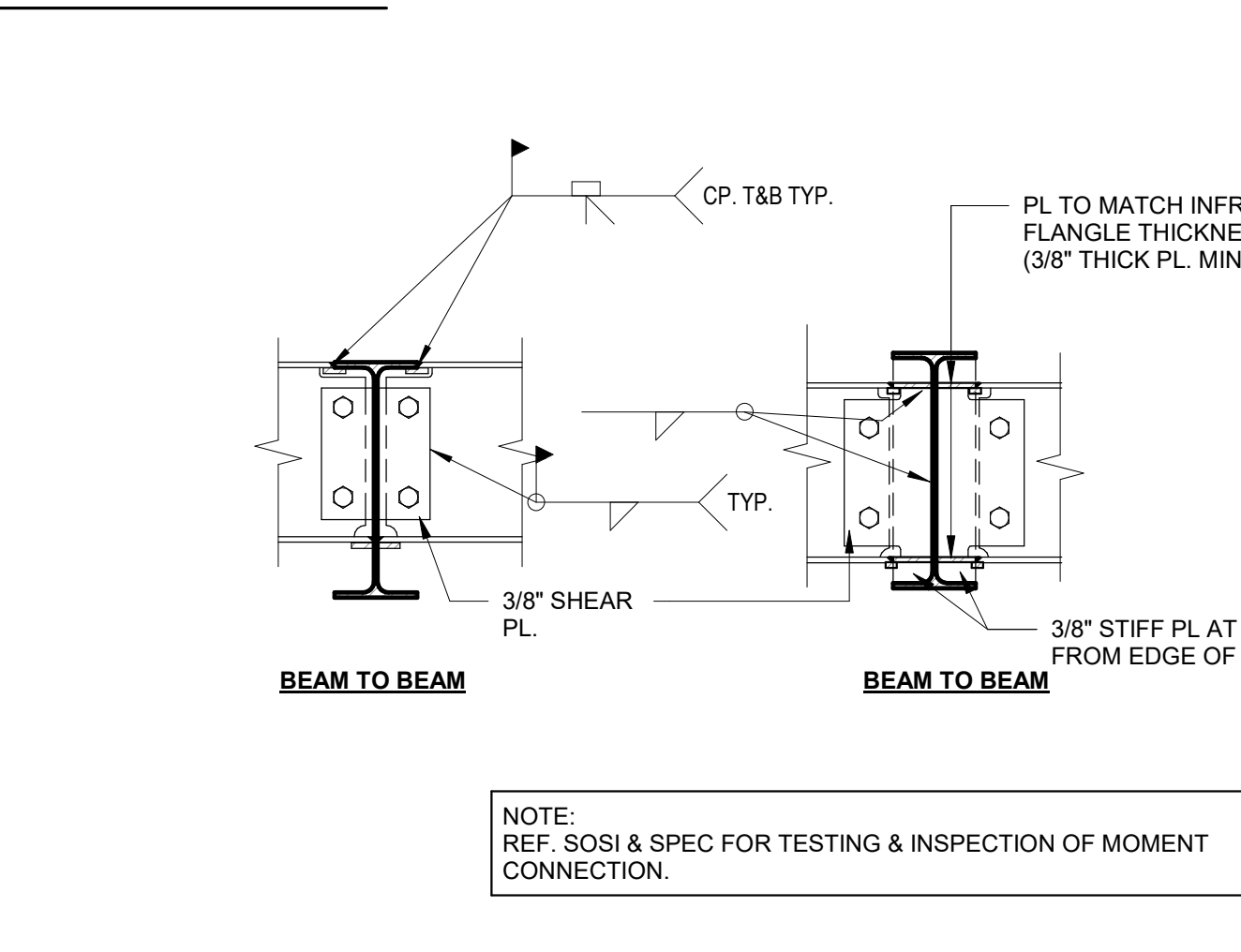
20 TYPICAL SKEWED CONN



21 STEEL BEAM TO CONCRETE CONNECTION



2 TYPICAL COLUMN BASE PLATE SCHEDULE AND DETAILS



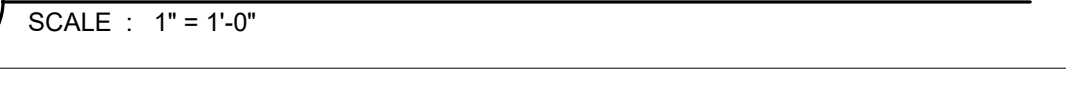
25 LOOSE LINTEL SCHEDULE

LOOSE STEEL LINTEL SCHEDULE FOR RUNNING BOND MASONRY VENEER

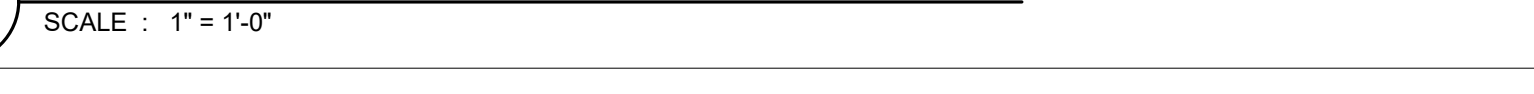
LINTEL SIZE	MAX. CLEAR OPENING	REMARKS
L4 x 4 x 5/16	6'-0"	MIN. 8" BRG. EA. END
L6 x 4 x 5/16 (LLV)	10'-0"	MIN. 8" BRG. EA. END
L7 x 4 x 3/8 (LLV)	12'-0"	MIN. 12" BRG. EA. END

NOTES:
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 3. AT CONDITION WHERE JAMB BETWEEN OPENING IS LESS THAN 16", PROVIDE L7x4x3/8 STEEL LINTEL AND LINTEL IS CONT ACROSS BOTH OPENING WITH MIN. OF 12" BRG AT END SUPPORT.

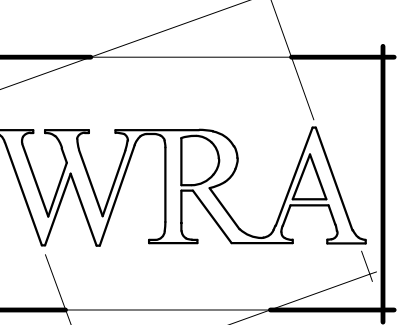
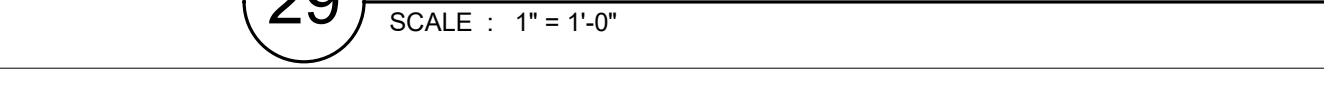
26 TYP HSS BM TO RECT HSS COL CONN



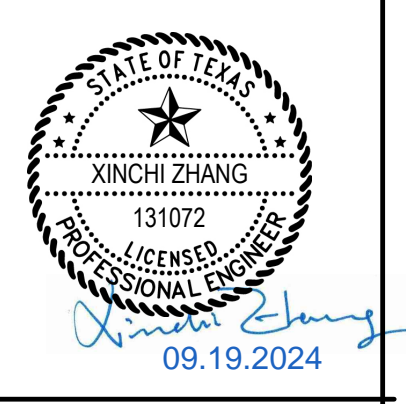
27 TYPICAL EMBED DETAIL



29 TYP WIDE FLANGE MOMENT CONN



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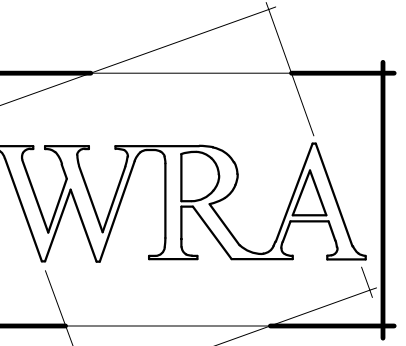
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No.	Date
1	ADDENDUM #1 2024.09.19

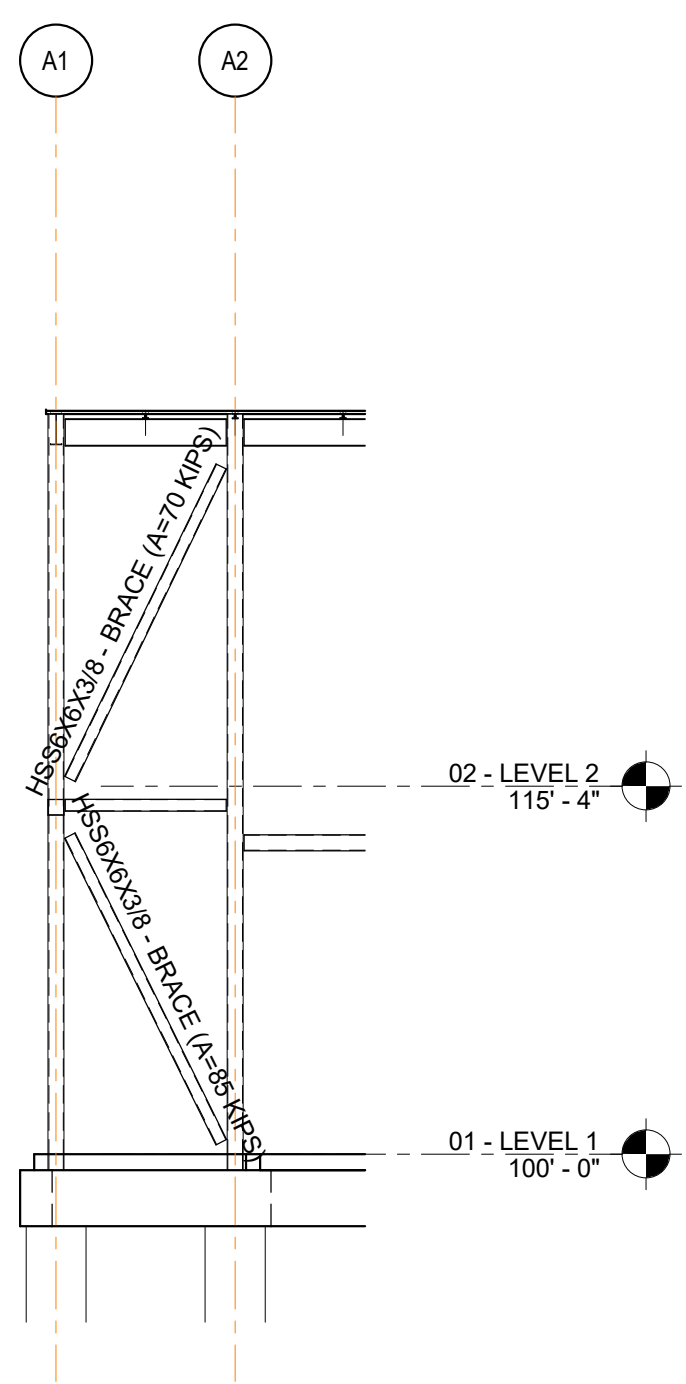
JOB NO. 2359
 DATE: 08/04/2024
 TYPICAL STEEL DETAILS



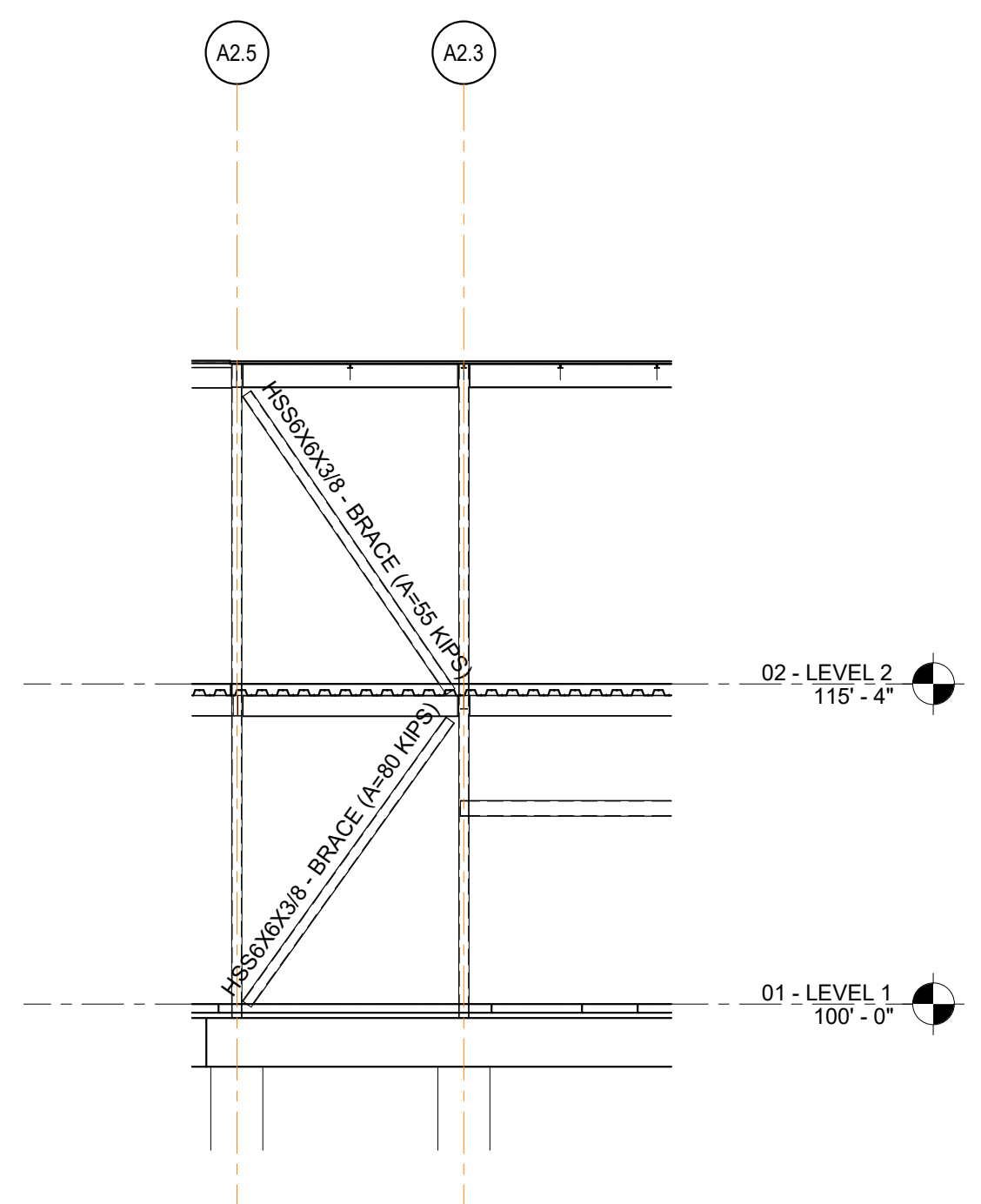
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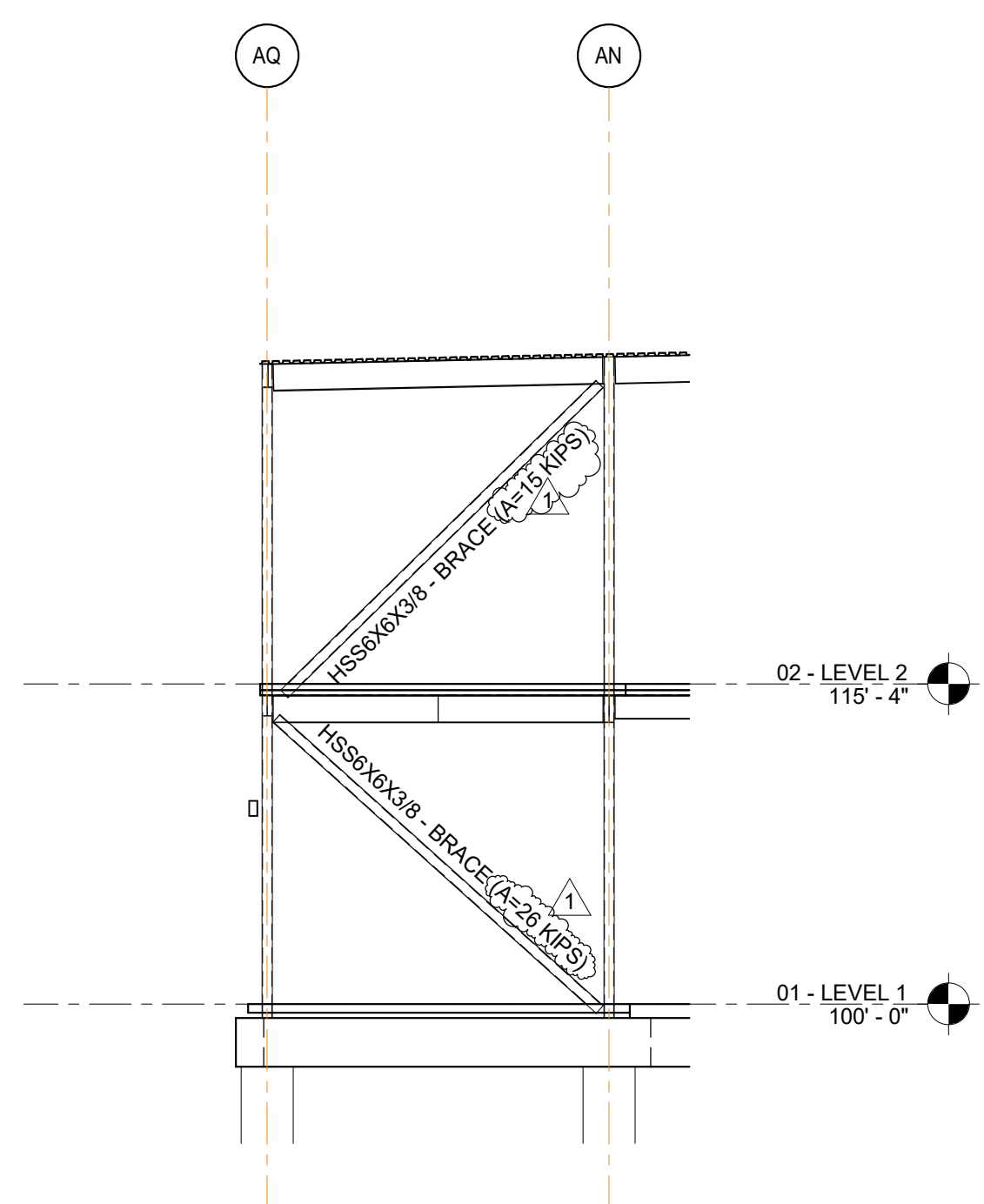
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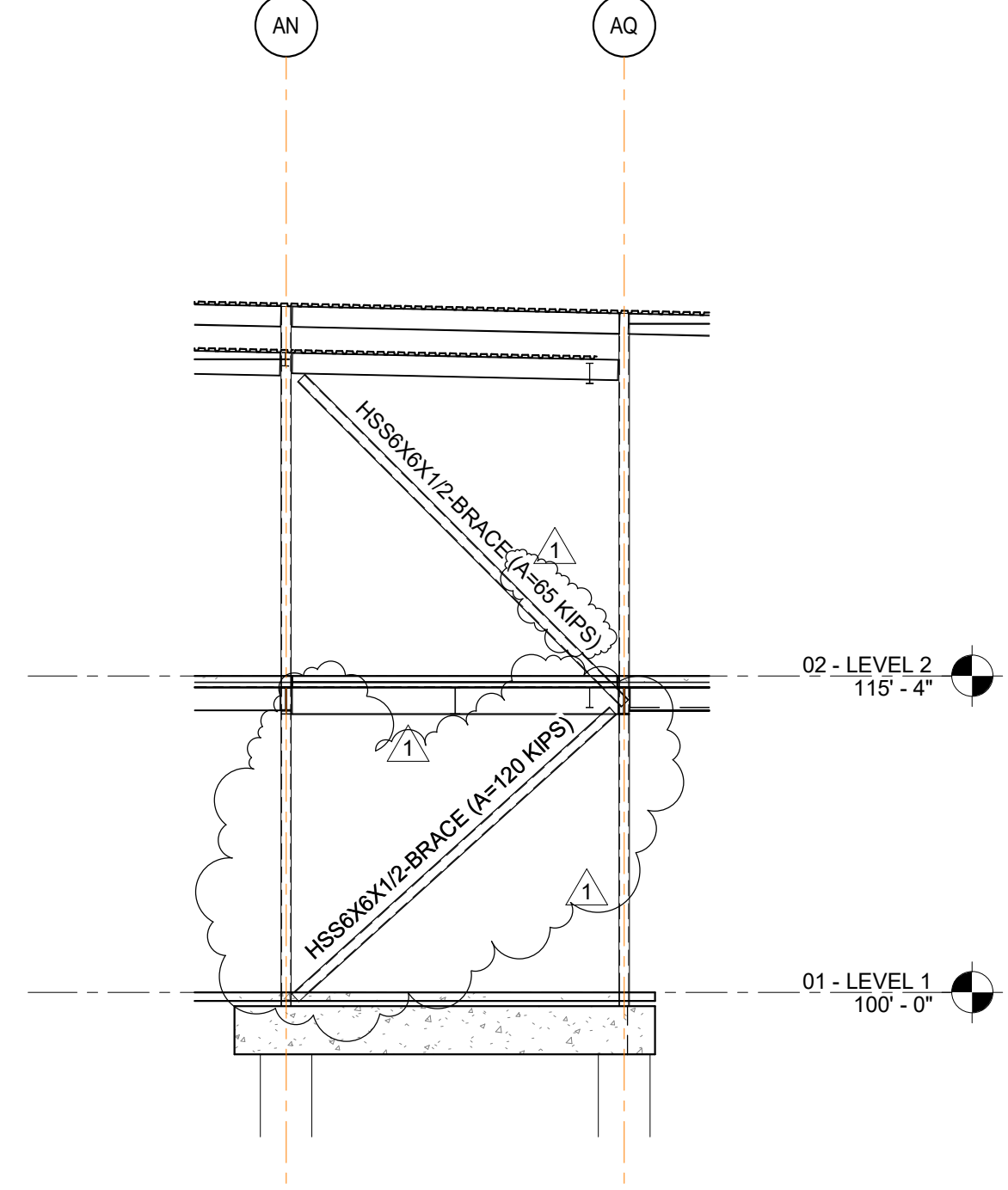
1 AREA A - GRID AD
 SCALE : 1/8" = 1'-0"



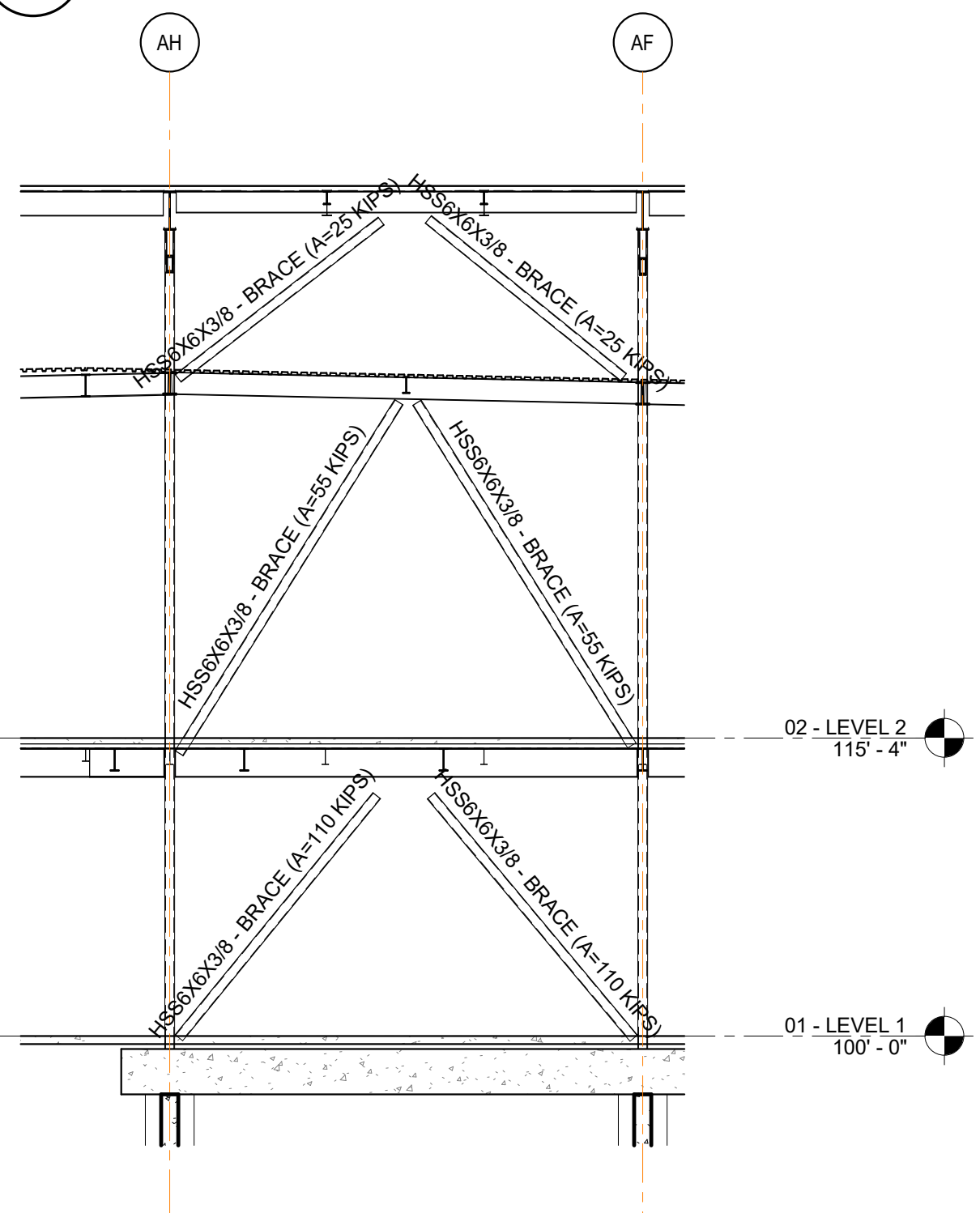
2 AREA A - GRID AQ
 SCALE : 1/8" = 1'-0"



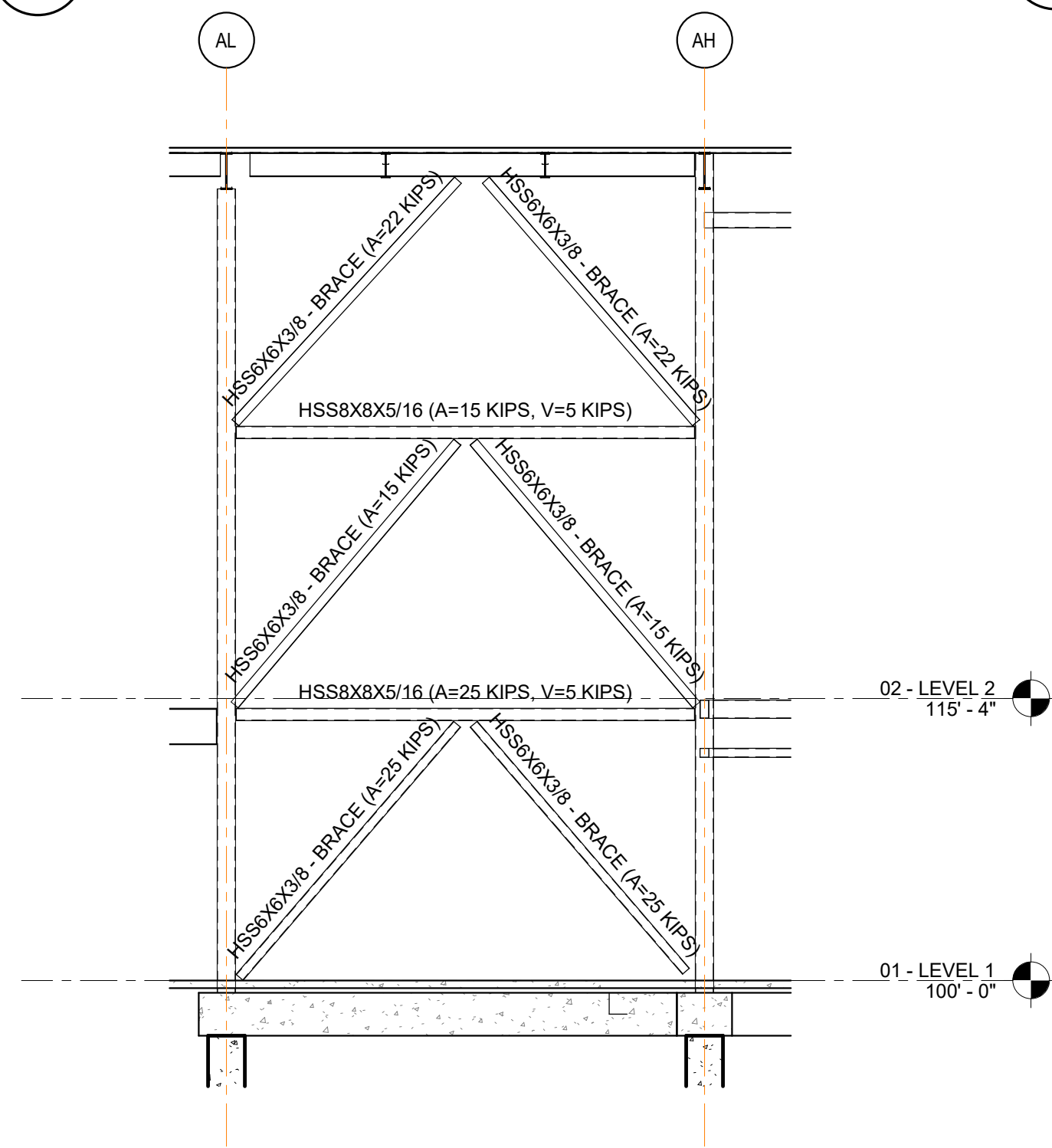
3 AREA A - GRID A1
 SCALE : 1/8" = 1'-0"



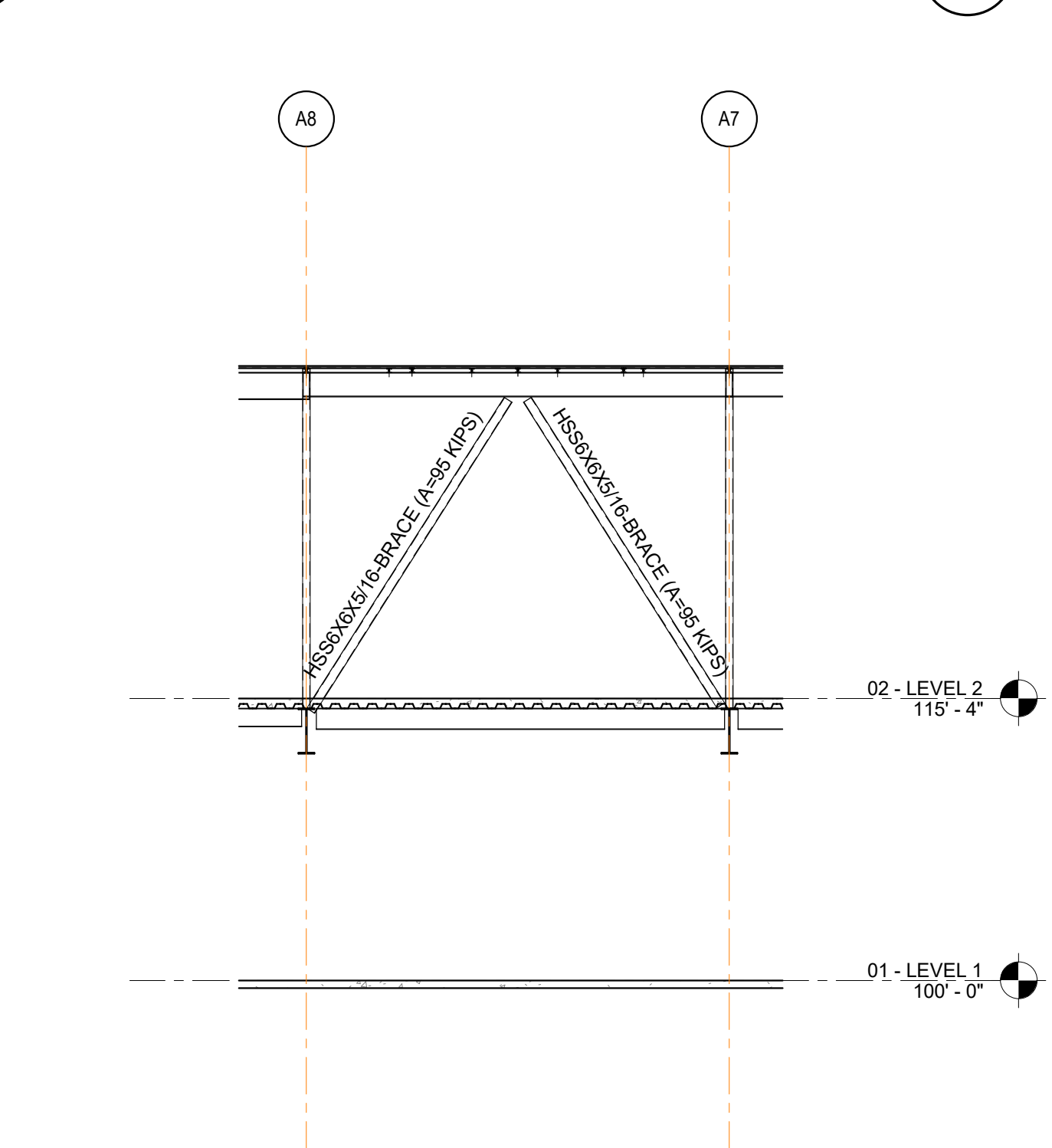
4 AREA A - GRID A3
 SCALE : 1/8" = 1'-0"



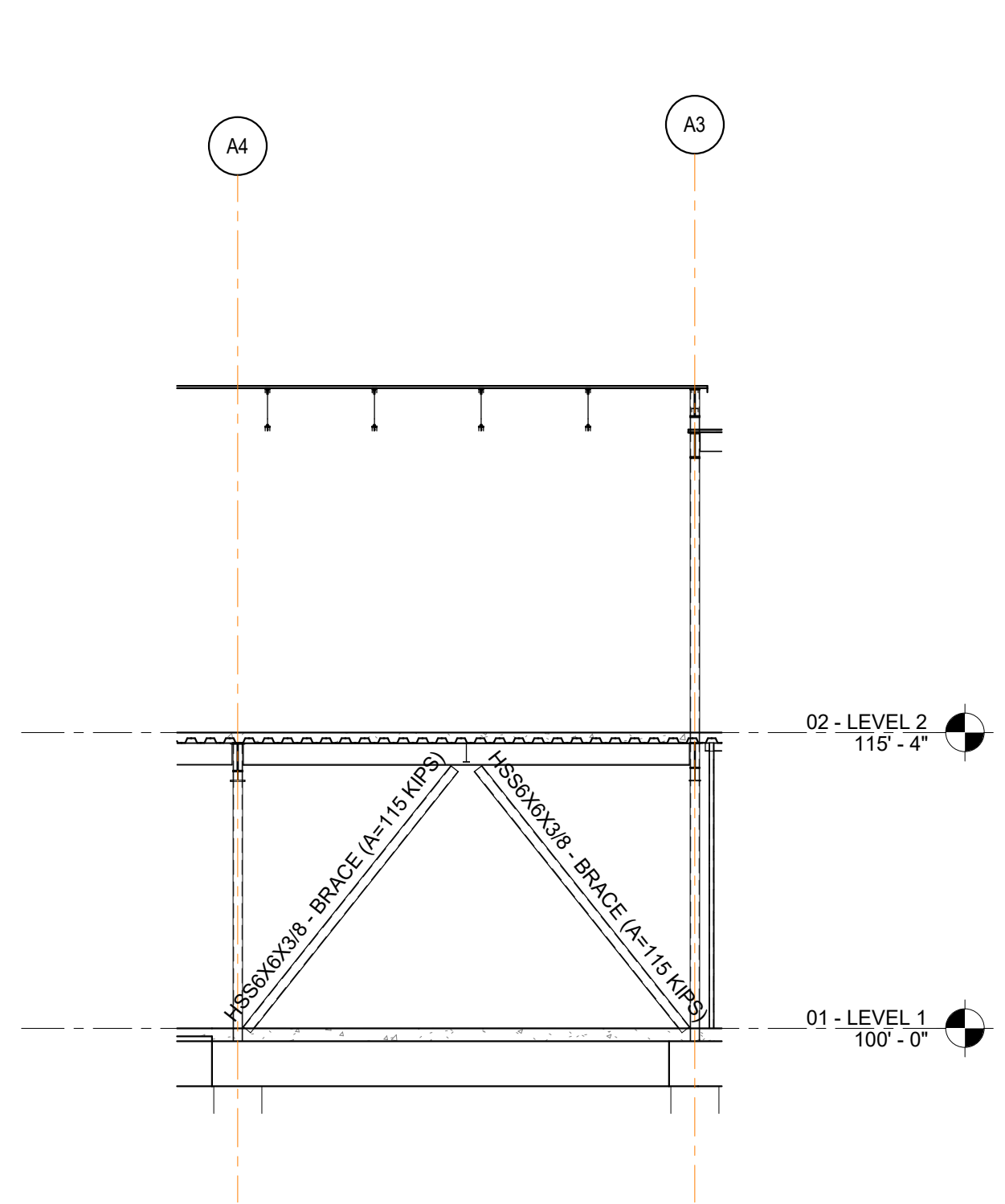
13 AREA A - GRID A11
 SCALE : 1/8" = 1'-0"



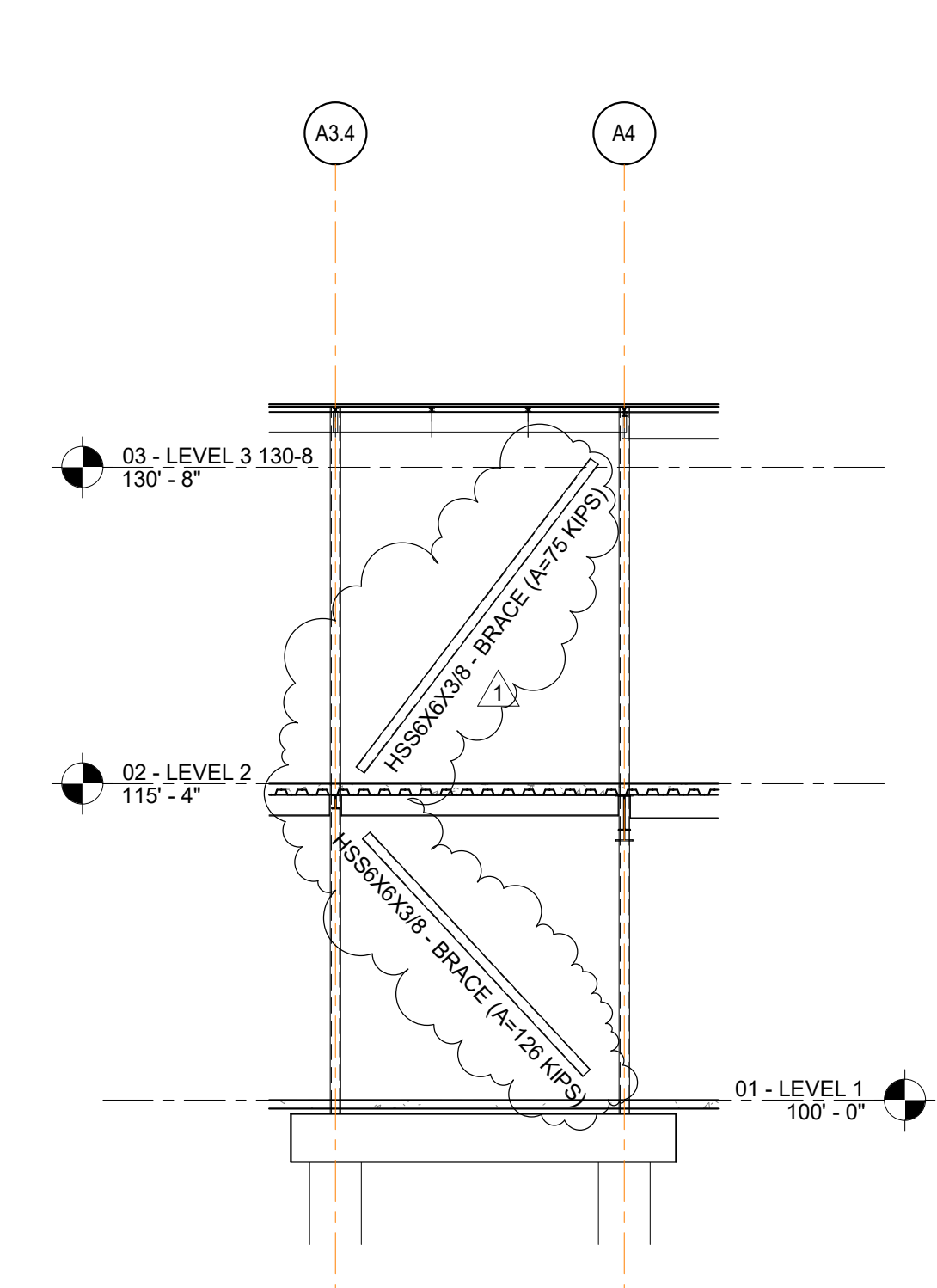
14 AREA A - GRID A14
 SCALE : 1/8" = 1'-0"



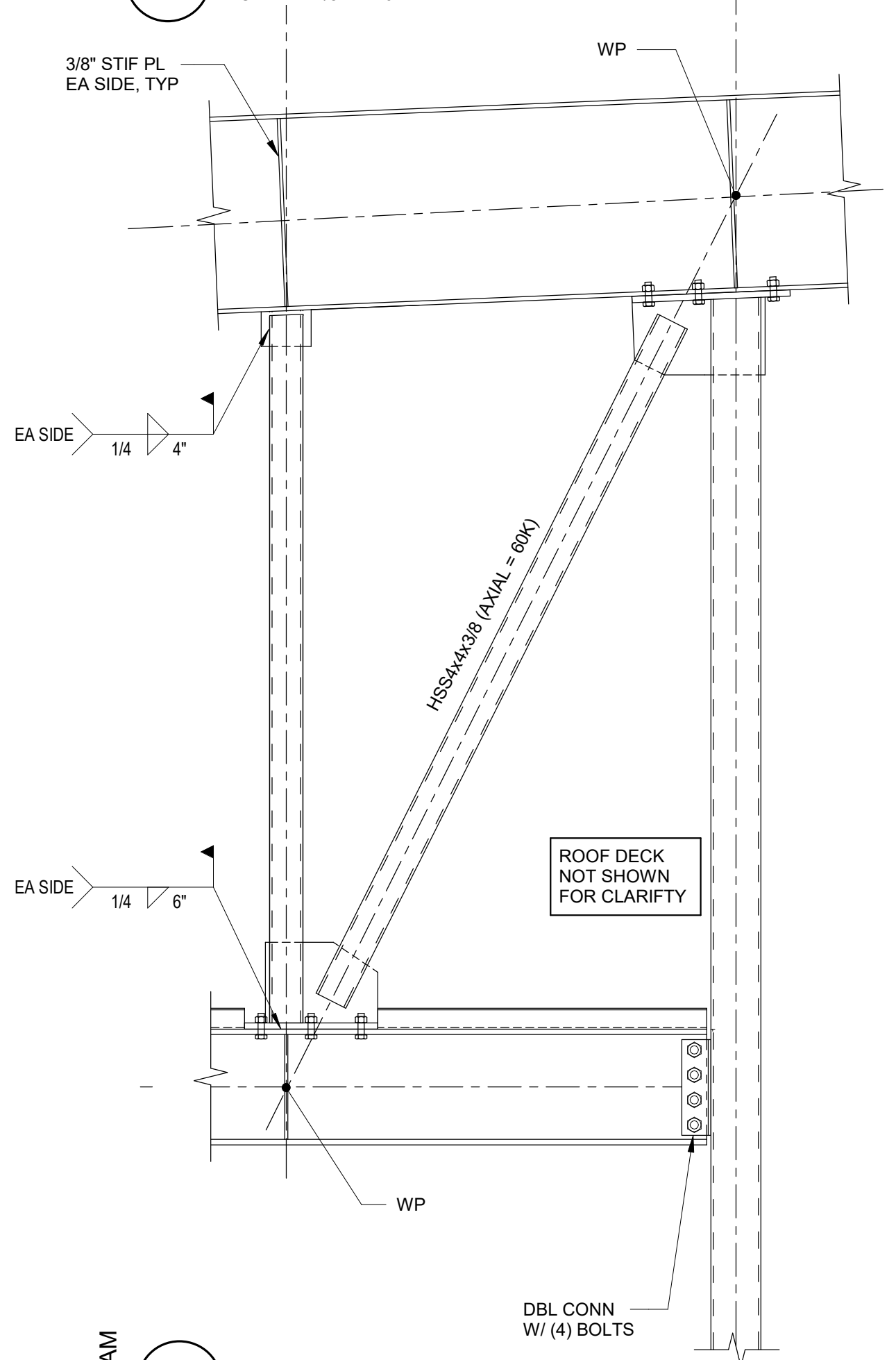
6 AREA A - GRID AE
 SCALE : 1/8" = 1'-0"



7 AREA A - GRID AD
 SCALE : 1/8" = 1'-0"



8 AREA A - GRID AM
 SCALE : 1/8" = 1'-0"



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

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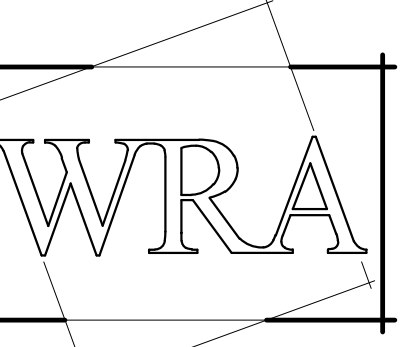
JOB NO.	2359
DATE	09/04/2024
VERTICAL BRACE FRAME ELEVATIONS	

S521



Alpha Consulting Engineers
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 Suite 640W, Plano, TX 75093
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 P-1010

9/19/2024 11:24:08 AM



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No. 1 Addendum #1 Date 09/19/2024

JOB NO. 2399
DATE: 09/19/2024

Overall Site Demo Plan

AD100

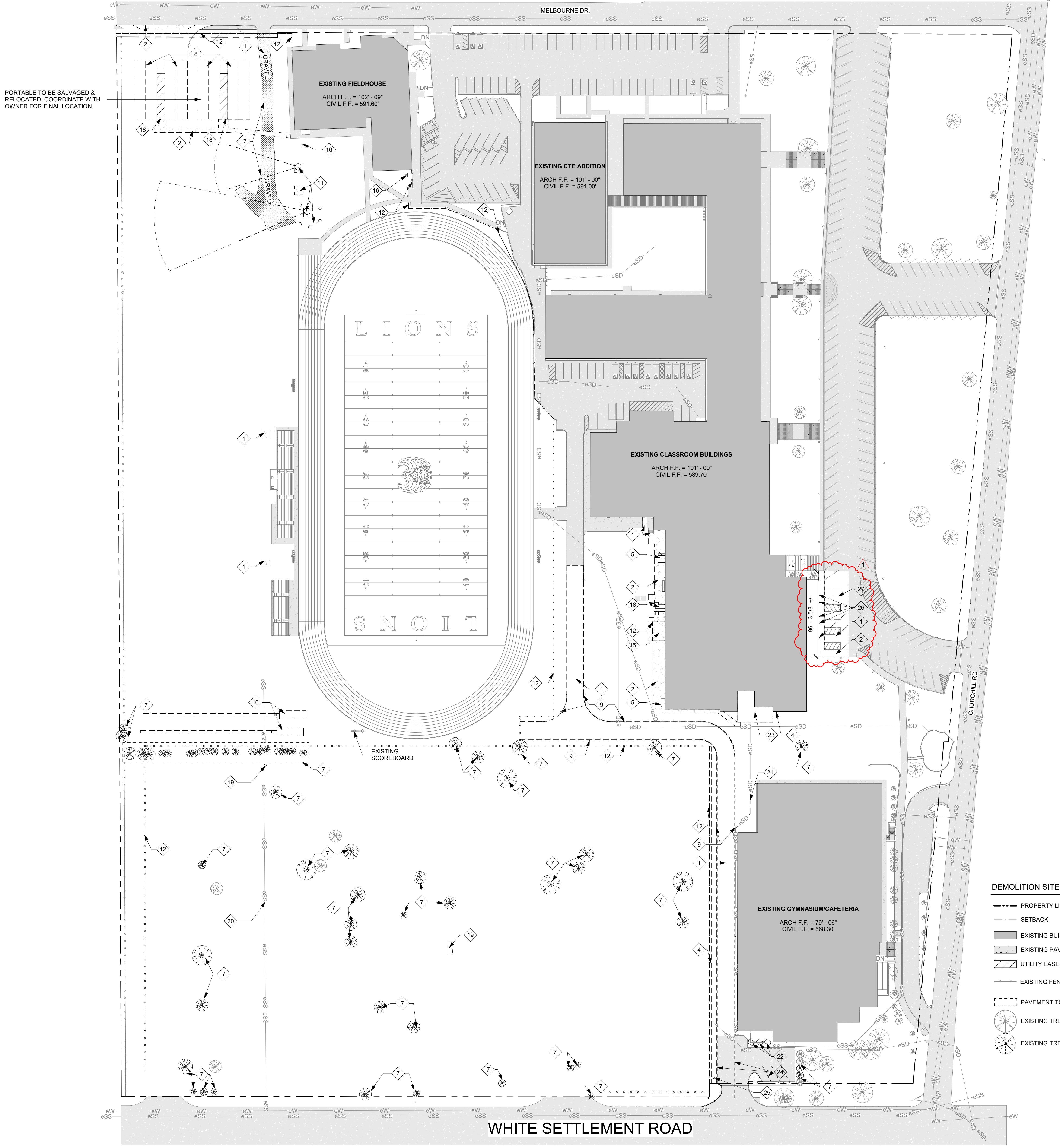
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GENERAL SITE DEMOLITION NOTES

- A. REMOVE ALL EXISTING PAVEMENT AND STRUCTURES WITHIN THE LIMITS OF DEMOLITION UNLESS OTHERWISE NOTED.
- B. SAW CUT AND REMOVE ALL EXISTING DRIVE APPROACHES THAT ARE WITHIN THE LIMITS OF DEMOLITION 2 FEET FROM THE BACK OF CURB.
- C. COORDINATE WITH TXU, SOUTHWESTERN BELL TELEPHONE AND THE LOCAL CABLE COMPANY PRIOR TO THE REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES.
- D. ALL UTILITIES SHOULD BE CUT AND PLUGGED IN COORDINATION WITH THEIR RESPECTIVE UTILITY COMPANIES AND PRIOR TO THE DEMOLITION OF EXISTING UTILITIES.
- E. CONTRACTOR TO PLUG ALL EXPOSED ENDS AND ABANDONED UTILITIES.
- F. CONTRACTOR TO DETERMINE SOURCE OF ALL EXPOSED UTILITIES AND, IF REQUIRED, RECONNECT TO PROPOSED UTILITIES.
- G. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ALL DEBRIS AND DEMOLITION MATERIALS.
- H. ALL TREES ON THE PROPERTY, SHALL BE PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS BY FENCING AS SHOWN; THE TREE PROTECTION SHALL BE PLACED BEFORE ANY EXCAVATING OR GRADING IS BEGUN AND MAINTAINED IN REPAIR FOR THE DURATION OF THE CONSTRUCTION WORK UNLESS OTHERWISE DIRECTED. NO MATERIAL SHALL BE STORED OR CONSTRUCTION OPERATION SHALL BE CARRIED ON WITHIN A DISTANCE AS SHOWN OF ANY TREE TO BE SAVED OR WITHIN THE TREE PROTECTION FENCING. TREE PROTECTION SHALL REMAIN UNTIL ALL WORK IS COMPLETED.
- I. ANY DAMAGE DONE TO EXISTING PROTECTED TREES, CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY AN APPROVED TREE SURGEON AT THE OWNER'S DIRECTION. ROOTS EXPOSED AND/OR DAMAGED DURING DEMOLITION AND/OR GRADING OPERATIONS SHALL BE CUT OFF, CLEANING INSIDE THE EXPOSED OR DAMAGED AREA, PAINT THE CUT SURFACES WITH AN APPROVED TREE PAINT AND PLACE TOPSOIL AND MULCH OVER THE EXPOSED ROOT AREA IMMEDIATELY.
- J. IN CLOSE QUARTERS, A SINGLE TREE SHALL BE PROTECTED BY STRAPPING (NOT NAILING) A CONTINUOUS SHIELD OF WOOD TWO (2) INCHES X FOUR (4) INCHES X FIVE (5) FEET AROUND THE TRUNK.
- L. CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING EROSION CONTROL MEASURES ON THE SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS UNTIL THE SITE HAS BEEN STABILIZED.
- M. CONTRACTOR IS RESPONSIBLE FOR GRADING ALL DISTURBED AREAS TO ALLOW FOR POSITIVE DRAINAGE.
- N. AREAS EXCAVATED FOR FOUNDATION OR UNDERGROUND STRUCTURES REMOVAL SHALL BE BACK-FILLED AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY.
- P. CONTRACTOR IS RESPONSIBLE FOR SECURITY OF EACH SITE DURING DEMOLITION ACTIVITIES.
- Q. ALL WORK, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, ISSUED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENT, AND CITY OF RIVER OAKS STANDARD CONSTRUCTION SPECIFICATIONS.
- R. PRIOR TO ANY WORK, THE CONTRACTOR SHALL BE FAMILIAR WITH THE PLANS INCLUDING ALL NOTES, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION NORTH CENTRAL TEXAS AND THE CITY STANDARDS FOR CONSTRUCTION AND ANY OTHER APPLICABLE STANDARD AND SPECIFICATIONS RELEVANT TO THE PROPER COMPLETION OF THE WORK SPECIFIED. FAILURE ON THE PART OF THE CONTRACTOR TO BE FAMILIAR WITH ALL STANDARDS AND SPECIFICATIONS PERTAINING TO THIS WORK SHALL IN NO WAY RELIEVE THE CONTRACTOR OF RESPONSIBILITY OF PERFORMING THE WORK IN ACCORDANCE WITH ALL SUCH APPLICABLE STANDARDS AND SPECIFICATIONS.
- S. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITIES MAINS, MANHOLES, CLEAN OUTS, VALVE BOXES, FIRE HYDRANTS, ETC., IN THE LIMITS OF DEMOLITION.
- T. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS REGARDING TRENCH SAFETY.
- U. BARRICADES AND PROJECT SIGNS SHALL CONFORM TO TEXAS DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LATEST UPDATES.
- V. CONTRACTOR SHALL MAINTAIN EXISTING PAVEMENT/ROADWAYS AND ACCESS TO FIRE HYDRANTS ON SITE UNTIL BUILDINGS AND STRUCTURES ABOVE THE FOUNDATION HAVE BEEN DEMOLISHED AND REMOVED IN THAT DISTURBED AREA.
- W. THE DEMOLITION CONTRACTOR IS TO COORDINATE DEMOLITION ACTIVITIES WITH THE HAZARDOUS MATERIAL ABATEMENT CONTRACTOR'S ACTIVITIES.
- X. DEMOLITION CONTRACTOR MUST PROVIDE ALL CONSTRUCTION WORKERS WITH IDENTIFICATION BADGES, WITH PHOTOGRAPH, THAT SHALL BE WORN VISIBLY AT ALL TIMES WHILE WORKERS ARE PRESENT ON THE CONSTRUCTION SITE.
- Y. UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL PROVIDE AND PAY FOR LABOR, MATERIALS, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT AND MACHINERY, HEAT UTILITIES, TRANSPORTATION AND OTHER FACILITIES AND SERVICES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK, WHETHER TEMPORARY OR PERMANENT AND WHETHER OR NOT INCORPORATED OR TO BE INCORPORATED IN THE WORK.
- Z. THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING ADEQUATE DUST CONTROL MEASURES DURING DEMOLITION ACTIVITIES.
- AA. THE CONTRACTOR IS TO PROVIDE A MARKED UP RECORD DRAWING TO THE OWNER UPON COMPLETION OF THE PROJECT. LEGIBLY MARK EACH ITEM TO RECORD ACTUAL CONSTRUCTION, INCLUDING:
 - A. MEASURED HORIZONTAL AND VERTICAL LOCATIONS OF UNDERGROUND UTILITIES AND APPURTENANCES, REFERENCED TO PERMANENT SURFACE IMPROVEMENTS.
 - B. MEASURED LOCATIONS OF INTERNAL UTILITIES AND APPURTENANCES CONCEALED IN CONSTRUCTION, REFERENCED TO VISIBLE AND ACCESSIBLE FEATURES OF CONSTRUCTION.
 - C. CHANGES MADE BY MODIFICATIONS.
- CC. CAREFULLY REMOVE AND SALVAGE EACH ITEM INDICATED TO REMAIN THE OWNER'S PROPERTY, AND DELIVER PROMPTLY TO THE OWNER. ALL OTHER DEMOLISHED MATERIALS SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE SITE WITH FURTHER DISPOSITION AT THE CONTRACTOR'S OPTION. STORAGE OR SALE OF THE MATERIALS IS NOT PERMITTED ON THE SITE.
- DD. REMOVE DEBRIS ON A DAILY BASIS. DO NOT STORE OR BURN MATERIALS ON SITE.

SITE DEMO NOTES

- 1 SAWCUT AND REMOVE EXISTING PAVING/CONCRETE FLAT WORK
- 2 REMOVE EXISTING SIDEWALK
- 3 REMOVE EXISTING CONCRETE RAMP AND RAILINGS.
- 4 REMOVE EXISTING RETAINING WALLS
- 5 REMOVE EXISTING STAIRS WITH ITS RAILINGS IN ITS ENTIRETY
- 6 REMOVE EXISTING PRE-FABRICATED CANOPY AND ITS FOOTINGS
- 7 REMOVE EXISTING TREES & TREE ROOTS, REF. LANDSCAPE
- 8 COORDINATE WITH OWNER ON THE REMOVAL/DEMOLITION OF EXISTING PORTABLES
- 9 SAWCUT AND REMOVE EXISTING CURB
- 10 REMOVE EXISTING LONG JUMP PIT & RUNWAYS
- 11 REMOVE EXISTING SHOTPUT, DISCUS THROW PIT & CONCRETE PADS IN ITS ENTIRETY
- 12 REMOVE FENCING AND GATES IN ITS ENTIRETY.
- 13 REMOVE TENNIS COURT LIGHTING IN ITS ENTIRETY.
- 14 REMOVE SITE BLEACHERS IN ITS ENTIRETY.
- 15 DEMOLISH EXISTING CHILLER HVAC SYSTEM, REF. MECHANICAL
- 16 EXISTING WELLS TO BE PLUGGED & ABANDONED PER TCEQ REQUIREMENTS, REF. CIVIL
- 17 EXISTING GRAVEL TO BE REMOVE AND MODIFY WITH SOD, REF. LANDSCAPE & CIVIL
- 18 REMOVE EXISTING WOOD DECK STRUCTURE AND WOOD RAILING IN ITS ENTIRETY
- 19 REMOVE EXISTING SANITARY MANHOLE, CONCRETE PAD & ALL APPURTENANCES PER CITY STANDARDS
- 20 EXISTING SEWER TO BE ABANDONED & REMOVED PER CITY STANDARDS
- 21 REMOVE EXISTING STORM LINE
- 22 RELOCATE DUMPSTERS PER OWNER
- 23 REMOVE EXISTING STRUCTURE IN ITS ENTIRETY, REF. STRUCTURAL FOR DEMOLITION OF STRUCTURAL MEMBERS
- 24 REMOVE EXISTING PARKING AND FIRE LANE STRIPING
- 25 EXISTING GAS METER TO BE RELOCATED, REF. CIVIL & MEP
- 26 REMOVE EXISTING ADA SIGNAGE
- 27 REMOVE EXISTING PARKING STRIPING



DEMOLITION SITE PLAN LEGEND

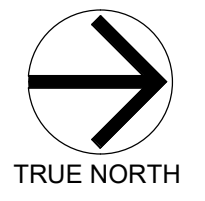
--- PROPERTY LINE	—eG— EXISTING GAS LINE
- - - SETBACK	—eW— EXISTING WATER LINE
█ EXISTING BUILDING	—eSS— EXISTING SANITARY SEWER LINE
▨ EXISTING PAVEMENT	—eSD— EXISTING STORM SEWER LINE
▨ EXISTING UTILITY EASEMENT	—eSD— EXISTING STORM SEWER LINE TO BE DEMOLISHED
— EXISTING FENCE	—eSS— EXISTING SANITARY SEWER LINE TO BE DEMOLISHED
▨ PAVEMENT TO BE DEMOLISHED	
⊙ EXISTING TREE	
⊙ EXISTING TREE TO BE DEMOLISHED	

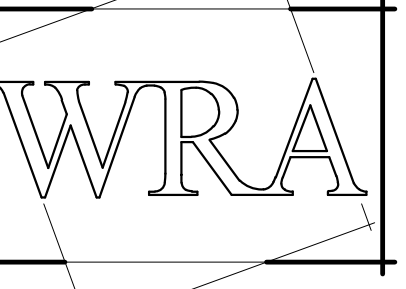
PORTABLE TO BE SALVAGED & RELOCATED. COORDINATE WITH OWNER FOR FINAL LOCATION

WHITE SETTLEMENT ROAD

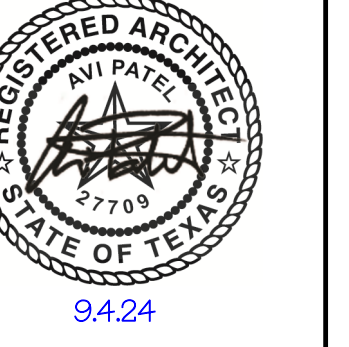
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1 Site - Overall Demolition Plan
1" = 50'-0"





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REVISIONS:
No. 1 Date 09/19/24
Addendum #1

JOB NO. 2399
DATE: 09/19/2024

Overall Site Plan

A100

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SITE PLAN NOTES

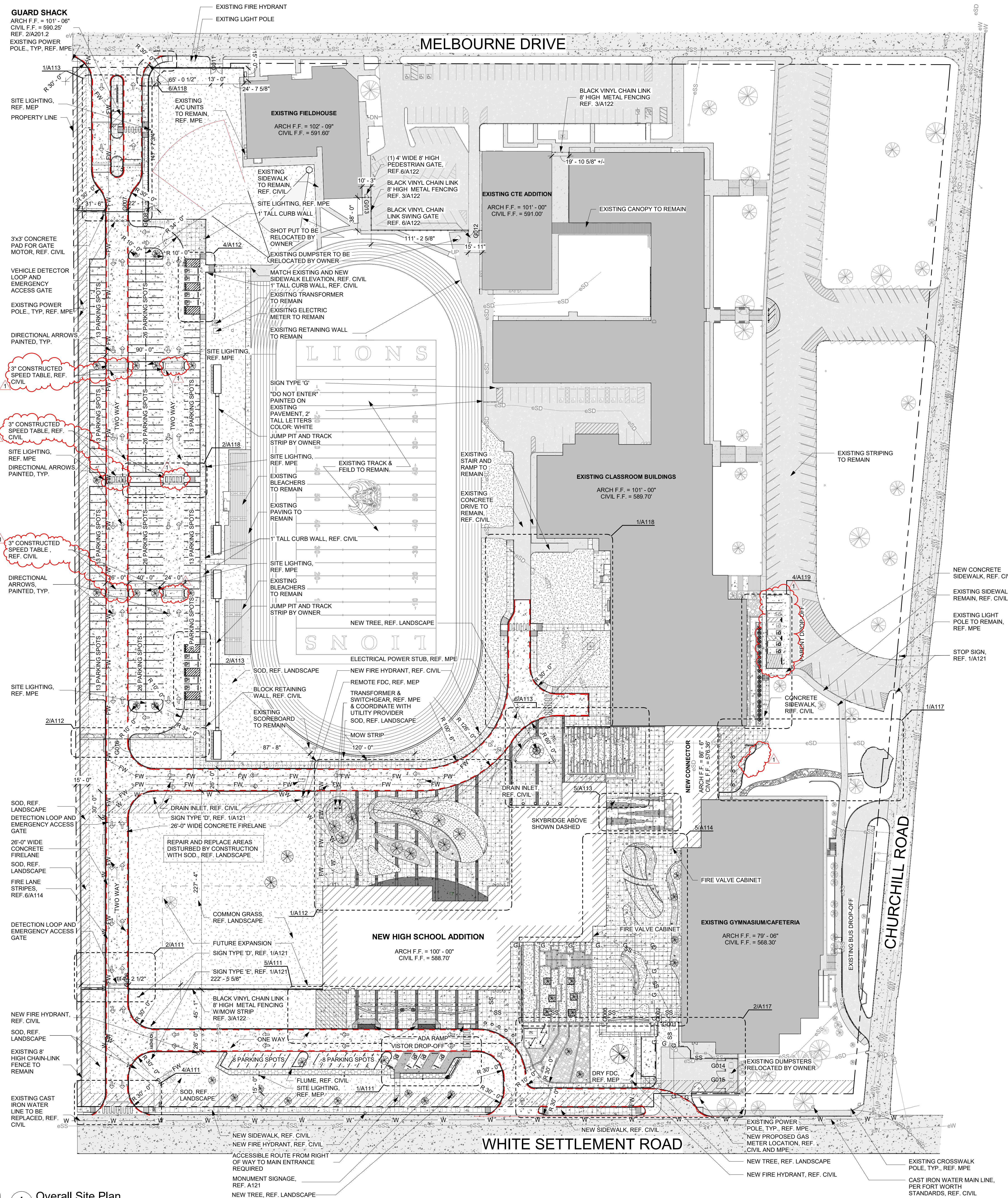
- REFER TO CIVIL ENGINEER DRAWINGS FOR DIMENSION CONTROL PLAN OF BUILDING, VEHICULAR PAVING, AND ADDITIONAL SITE DEMO INFORMATION.
- REFER TO CIVIL ENGINEER DRAWINGS FOR SITE GRADING AND SITE UTILITIES INFORMATION (ADDITIONAL SITE UTILITY INFORMATION IS AS SHOWN ON M.P.E. ENGINEER DRAWINGS).
- CONTRACTOR SHALL COORDINATE LOCATION OF ALL SLEEVES UNDER SIDEWALKS AS NEEDED FOR LANDSCAPE IRRIGATION AND ALL SITE UTILITIES.
- SIDEWALKS SHALL BE 5'-0" WIDE, U.N.O. AND CONSTRUCTED ACCORDING TO DETAILS ON ARCHITECTURAL SHEET A121. ALL SIDEWALKS PARALLEL TO BLDG. SHALL HAVE A MAX. SLOPE OF 1/4" FT. CROSS SLOPE.
- TYPICAL PARKING SPACES ARE 9'-0" WIDE. TYP. HANDICAP PARKING SPACES ARE 9'-0" WIDE W/ 5'-0" AISLE ADJACENT TO HANDICAP PARKING. "VAN ACCESSIBLE" HANDICAP PARKING SPACE SHALL BE 13'-0" (11'-0" MINIMUM WITH ACCESS AISLES ONLY REQUIRED TO BE 6'-0" (5'-0" MINIMUM. EXCEPTION ALLOWS FOR 9'-0" (8'-0" SPACE WITH 9'-0" AISLE MINIMUM. ALL H.C. SPACES SHALL HAVE SIGN PER SHEET G201. PAINT EACH H.C. SPACE WITH UNIVERSAL SYMBOL OF ACCESSIBILITY TO FIT WITHIN A 6'-0" SQUARE.
- PARKING SPACE STRIPING SHALL HAVE 4" WIDTH. STRIPING COLORS AS FOLLOWS:
A. WHITE, GENERAL PARKING
B. YELLOW, NO PARKING AND LOADING
C. CROSSWALK STRIPING AND H.C. AISLES SHALL BE PAINTED 4" WIDE AT 45 DEGREES AT 12" O.C. IN YELLOW.
- FIRE LANES SHALL BE CLEARLY MARKED ON THE PAVEMENT PER CITY OF RIVER OAKS REQUIREMENTS.
- CONCRETE SPLASH BLOCKS, PER DETAIL 1/A120 AT ALL DOWNSPOUTS, PRIMARY AND OVERFLOW ROOF DRAIN DISCHARGE LOCATED AT GRADE OR ON THE ROOF.
- EXPANSION JOINT FILLER AND SEALANT SHALL BE INSTALLED AT ALL LOCATIONS WHERE CONCRETE SIDEWALKS MEET THE BUILDING.
- ACCESSIBLE ROUTE TO BUILDING ENTRANCES SHALL COMPLY WITH ALL REQUIREMENTS FOR CHANGES IN LEVELS PER T.A.S. (A.D.A. STANDARDS) REQUIREMENTS.
- REFER TO 2/A120 FOR PRECAST CONCRETE WHEEL STOP DETAIL. REFER TO SITE PLAN FOR LOCATIONS. PROVIDE AT ALL HANDICAP PARKING SPACES WHERE MORE THAN 2 SUCH SPACES WITH ACCESS AISLES ARE GROUPED TOGETHER.
- AT ALL CONDITIONS WHERE SIDEWALKS MEET BUILDING ENTRANCE OR EXTERIOR DOOR, PROVIDE #4 DOWELS AT 12" O.C. DOWELED INTO BUILDING GRADE BEAM.
- ALL SIDEWALKS SHALL BE INSTALLED 1" ABOVE GRADE AND SLOPE WITH EXISTING GRADES. MAXIMUM SLOPE IN DIRECTION OF TRAVEL 2%. MAXIMUM CROSS SLOPE IS 1/4" PER FOOT (SLOPE WITH SITE GRADING).
- PARKING DIMENSIONS ARE TO BACK OF CURB.
- ALL SIDEWALKS WIDER THAN 5' SHALL HAVE LIME STABILIZED SUBGRADE PER SPEC.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISHED GRADES AROUND EDGE OF BUILDING TO BE 1'-0" BELOW FINISH FLOOR WHERE IT DOES NOT CAUSE ENTRANCE PROBLEMS.
- REFER TO CIVIL DRAWINGS FOR SITE UTILITY & ADDITIONAL SITE DEMO.

SITE PLAN LEGEND

- PROPERTY LINE
- - - SETBACK
- ACCESSIBLE PATH
- - - EXISTING FENCE
- G- EXISTING GAS LINE
- W- EXISTING WATER LINE
- SS- EXISTING SANITARY SEWER LINE
- eSD- EXISTING STORM SEWER LINE
- W- NEW WATER LINE
- SS- NEW SANITARY SEWER LINE
- SD- NEW STORM SEWER LINE
- FW- NEW FIRE WATER LINE
- █ EXISTING BUILDING
- █ EXISTING PAVEMENT
- █ NEW BUILDING
- █ NEW TYPE (A) CONCRETE PAVING, REF. CIVIL
- █ NEW TYPE (B) - INTEGRAL COLOR CONCRETE PAVING, REF. CIVIL (LIQUID INTEGRAL COLOR - SMOKE)
- █ HIGH STRENGTH CONCRETE SIDEWALK, REF. CIVIL CONCRETE SLAB, REF. STRUCTURAL
- █ 15'-0" UTILITY EASEMENT
- █ FIRE LANE STRIPING, REF. 6/A114
- ⊕ NEW FIRE HYDRANT
- ⊕ EXISTING FIRE HYDRANT
- █ BUFFALO GRASS, REF. LANDSCAPE
- █ SOD, REF. LANDSCAPE
- █ SYNTHETIC GRASS SURFACING - ST-1
- █ SYNTHETIC GRASS SURFACING (REVERSE LAY DIRECTION) - ST-2
- █ RIVER ROCK, REF. LANDSCAPE
- █ TBS ROCK, REF. LANDSCAPE
- █ DECOMPOSED GRANITE, REF. LANDSCAPE
- █ EARTH / MULCH, REF. LANDSCAPE
- █ NEW BRICK
- █ EXISTING CONCRETE
- █ ROCK / BOULDER, REF. LANDSCAPE
- █ PLANT / BUSH, REF. LANDSCAPE
- █ TREE, REF. LANDSCAPE
- █ EXISTING TREE
- █ SPOT ELEVATIONS, REFERENCE CIVIL

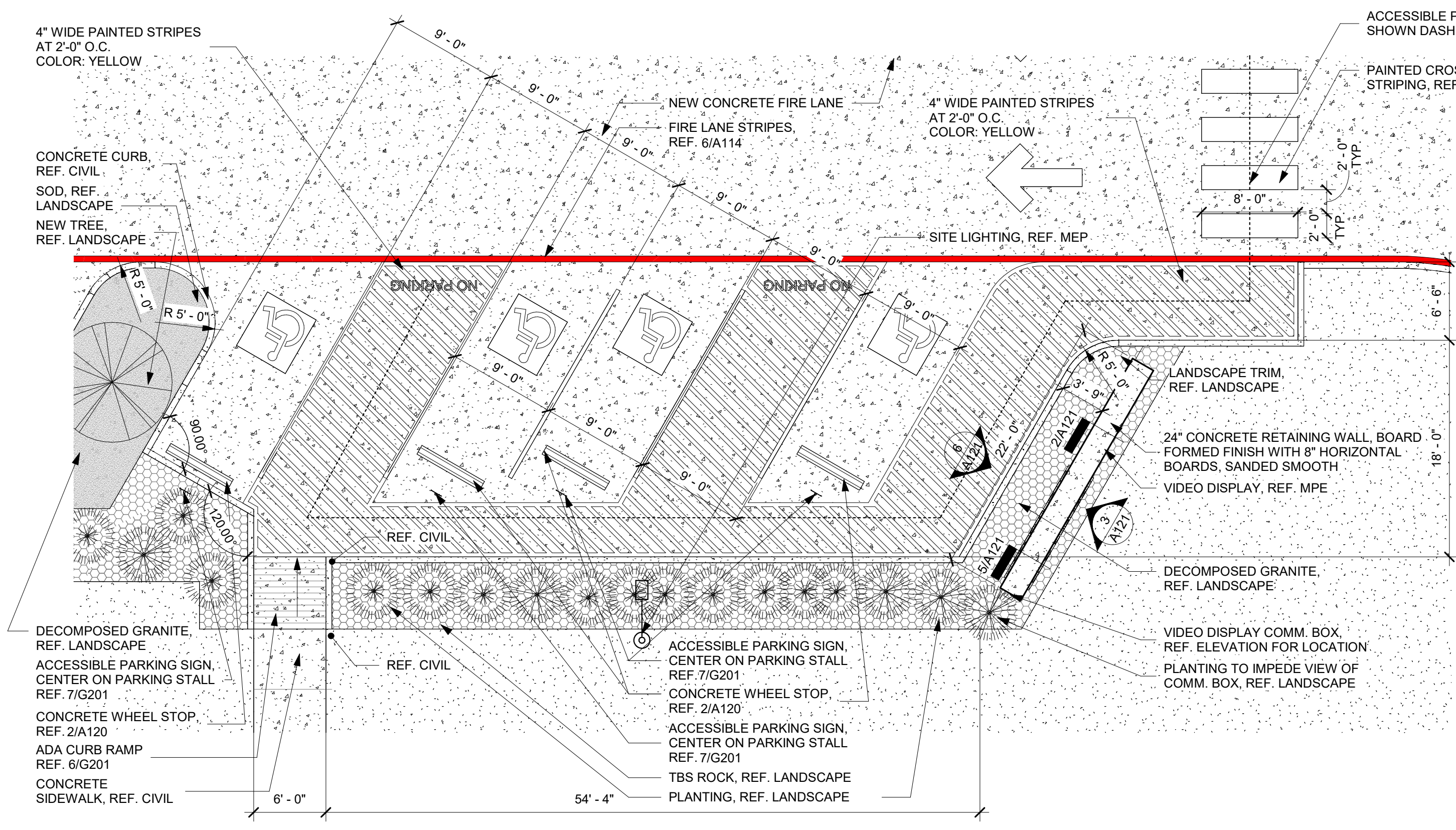
Door Schedule - Gates										
Arch No.	S/ PR/ Bifold/ O.H.	Fire Label	Opn'g Width	Opn'g Height	Frame Mat.	Frame Type	Door Mat.	Door Type	HW Set	Notes
G001	X	PR	20'-0"	12'-0"	STL	8/A122	STL		49.0	
G002	X	PR	8'-1 1/2"	7'-1"	STL	8/A122	STL		49.0	11
G003	X	PR	8'-1 1/2"	7'-1"	STL	8/A122	STL		49.0	11
G006	X	SLD	26'-0"	8'-0"	STL	7/A122	STL		49.0	3
G007	X	SLD	26'-0"	8'-0"	STL	7/A122	STL		49.0	3
G008	X	S	4'-0"	8'-0"	STL	6/A122	STL		49.0	3,11
G011	X	PR	13'-0"	8'-0"	STL	2/A122	STL		49.0	
G012	X	PR	12'-0"	8'-0"	STL	2/A122	STL		49.0	3
G013	X	S	4'-0"	8'-0"	STL	6/A122	STL		49.0	3, 11
G014	X	S	10'-0"	8'-0"	STL	1/A122	STL		49.0	
G015	X	PR	20'-0"	8'-0"	STL	2/A122	STL		49.0	
G016	X	PR	30'-0"	4'-0"	STL	5/A122	STL		49.0	

CASTLEBERRY HIGH SCHOOL ADDITION			
BUILDING/SITE SPECIFICATIONS			
ZONING CLASSIFICATION:	CF - COMMUNITY FACILITIES DISTRICT		
OCCUPANCY USE:	EDUCATION GROUP-E		
APPRAISAL DISTRICT ACCOUNT #:	#03524795		
STORIES (PERMITTED):	2	HEIGHT (PERMITTED):	35'
STORIES (PROPOSED):	2+1Bmt	HEIGHT (PROPOSED):	45'
HAZARDOUS MATERIAL:	NO	OVERLAY DISTRICT:	N/A
BLDG AREA - NEW CONSTRUCTION	108,386 SF	ACRAGE OF SITE:	25.89 ACRES
BLDG AREA - EXISTING:	178,082 SF	SQUARE FOOTAGE OF SITE:	1,127,794 SF
TOTAL BUILDING AREA:	286,468.23 SF	LOT COVERAGE:	35.7%
FLOOR TO AREA RATIO:	.25	OPEN SPACE:	64.3%
IMPERVIOUS AREA:	726,581 SF	PERVIOUS AREA:	401,213 SF
SCHOOL CLASSROOM COUNT:	64	SCHOOL MAXIMUM CAPACITY:	1,100
PARKING SPACES REQUIRED:	365	PARKING SPACES (STANDARD):	431
PARKING SPACES PROVIDED:	464	PARKING SPACES (ACCESSIBLE):	33

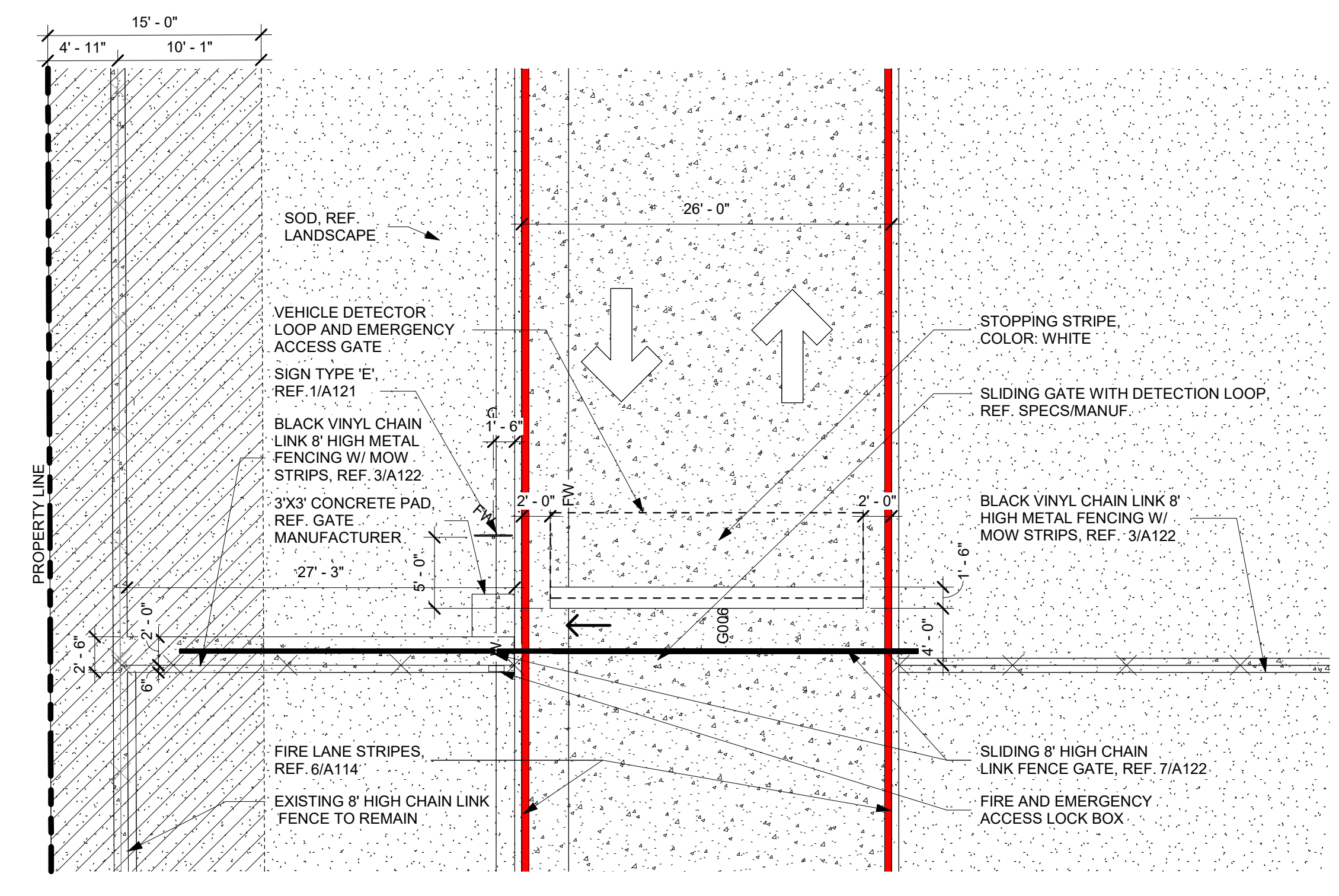


Overall Site Plan
1" = 50'-0"

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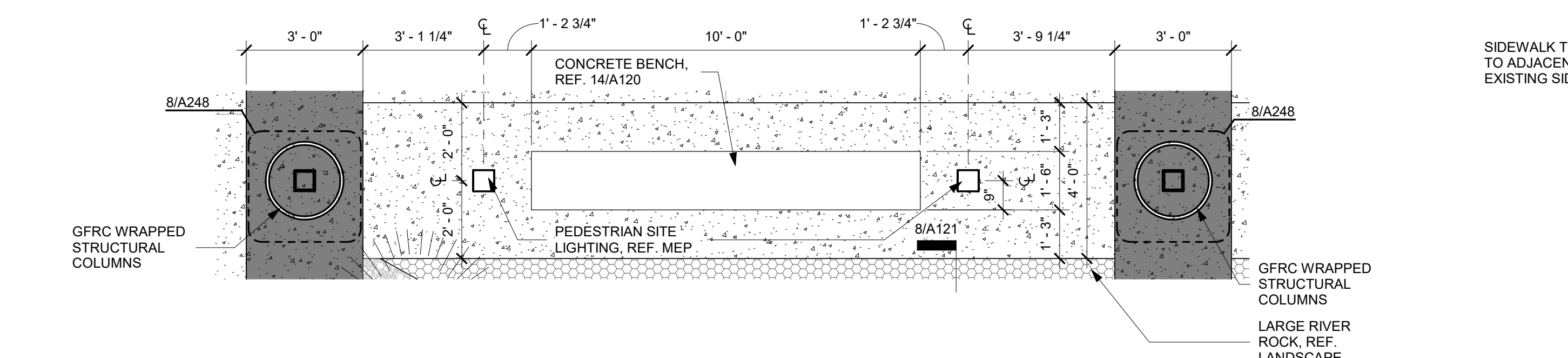
1 Enlarged Site Plan - South Entry Accessible Parking
1/8" = 1'-0"



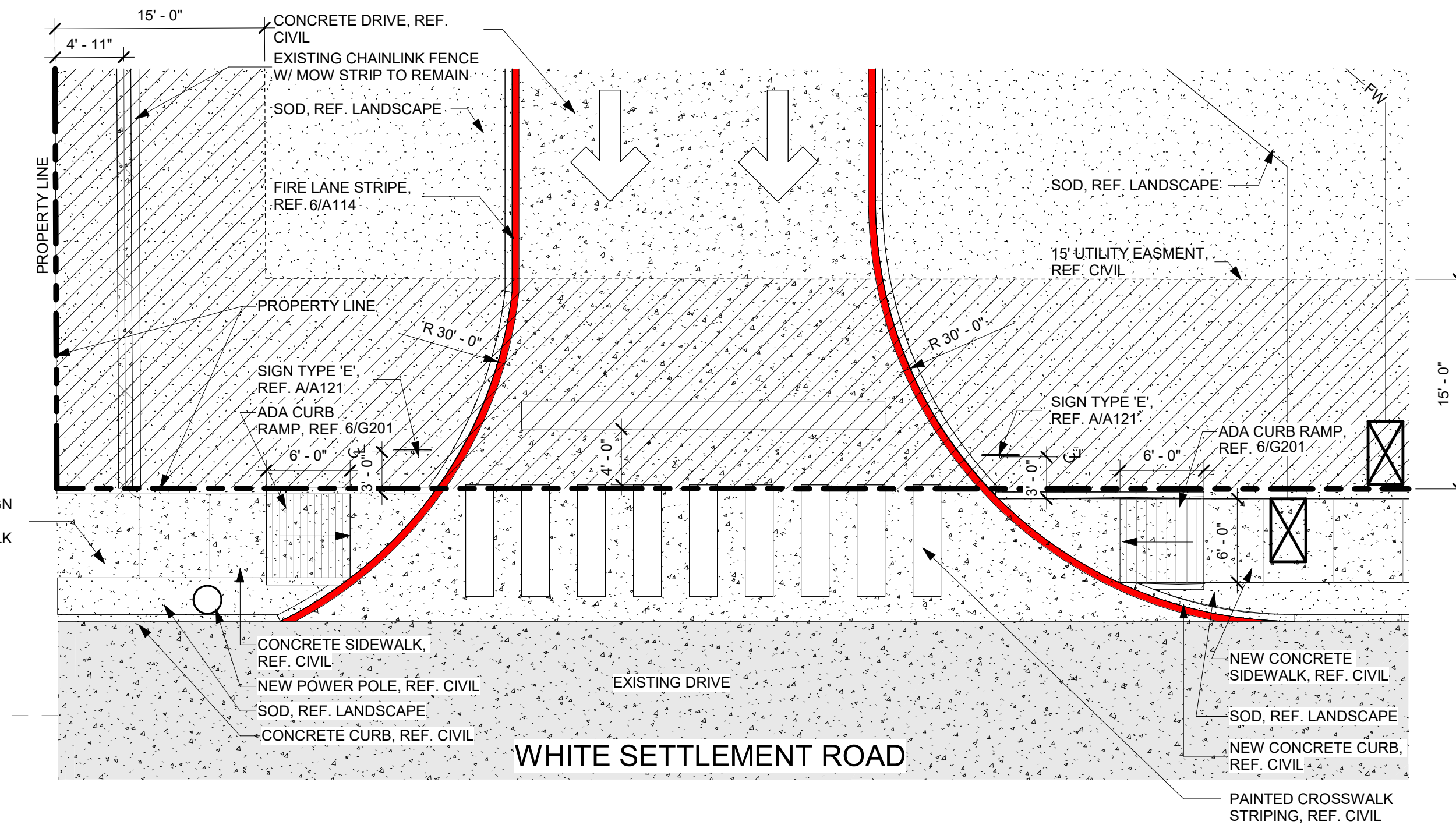
2 Enlarged Site Plan - South Entry Sliding Gate
1/8" = 1'-0"

SITE PLAN LEGEND

--- PROPERTY LINE	⊕ NEW FIRE HYDRANT
- - - SETBACK	⊕ EXISTING FIRE HYDRANT
⋯ ACCESSIBLE PATH	▨ BUFFALO GRASS, REF. LANDSCAPE
- - - EXISTING FENCE	▨ SOD, REF. LANDSCAPE
-G- EXISTING GAS LINE	▨ SYNTHETIC GRASS SURFACING - ST-1
-WS- EXISTING WATER LINE	▨ SYNTHETIC GRASS SURFACING (REVERSE LAY DIRECTION) - ST-2
-SS- EXISTING SANITARY SEWER LINE	▨ RIVER ROCK, REF. LANDSCAPE
-SD- EXISTING STORM SEWER LINE	▨ TBS ROCK, REF. LANDSCAPE
-W- NEW WATER LINE	▨ DECOMPOSED GRANITE, REF. LANDSCAPE
-SS- NEW SANITARY SEWER LINE	▨ EARTH / MULCH, REF. LANDSCAPE
-SD- NEW STORM SEWER LINE	▨ NEW BRICK
-FW- NEW FIRE WATER LINE	▨ EXISTING CONCRETE
▨ EXISTING BUILDING	⊕ ROCK / BOULDER, REF. LANDSCAPE
▨ EXISTING PAVEMENT	⊕ PLANT / BUSH, REF. LANDSCAPE
▨ NEW BUILDING	⊕ TREE, REF. LANDSCAPE
▨ NEW TYPE (A) CONCRETE PAVING, REF. CIVIL	⊕ EXISTING TREE
▨ NEW TYPE (B) - INTEGRAL COLOR CONCRETE PAVING, REF. CIVIL (LIQUID INTEGRAL COLOR, SMOKE)	⊕ SPOT ELEVATIONS, REFERENCE CIVIL
▨ HIGH STRENGTH CONCRETE SIDEWALK, REF. CIVIL	
▨ CONCRETE SLAB, REF. STRUCTURAL	
▨ 15'-0" UTILITY EASEMENT	
▨ FIRE LANE STRIPING, REF. 6/A114	

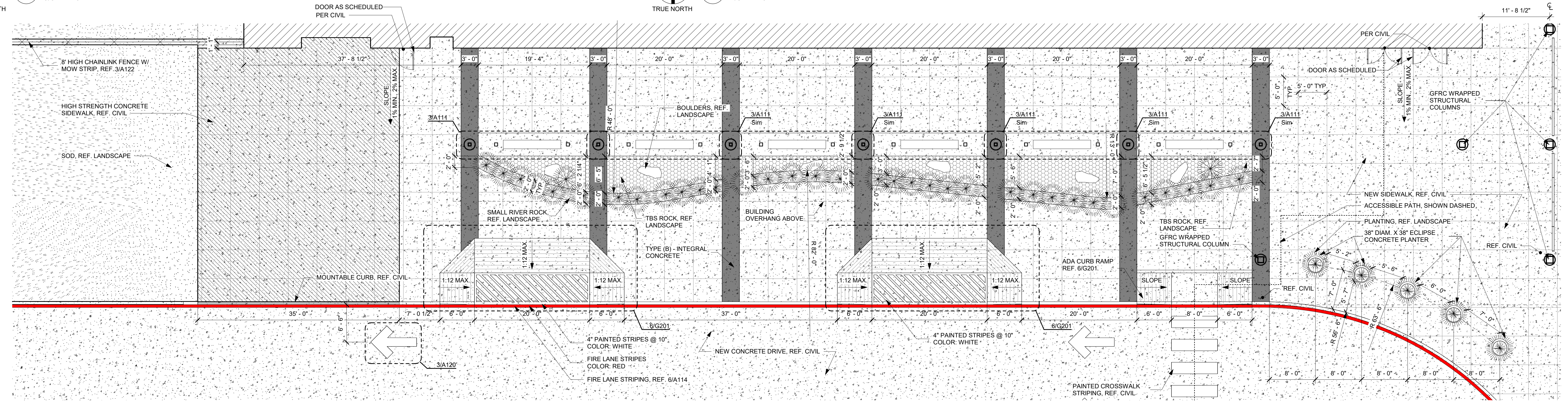


3 Enlarged Site Plan - Under Canopy Seating Area
3/8" = 1'-0"

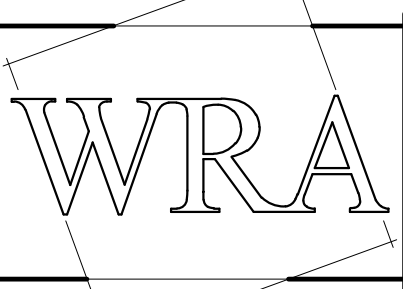


4 Enlarged Site Plan - South Entry Crosswalk
1/8" = 1'-0"

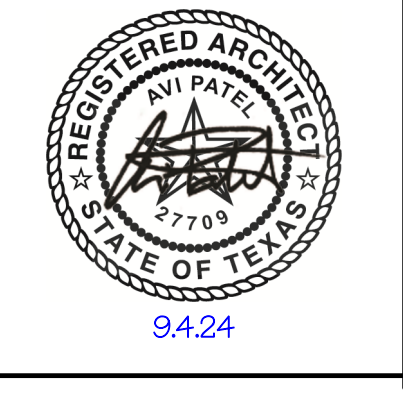
Alternate #7
Base Bid Scope as shown to be bid.
Deduct Alternate Bid: Remove exterior perforated panels between columns at entrances (Unit A spine, Unit C entry, Unit E facade).



5 Enlarged Site Plan - South Entry Visitor Drop Off
1/8" = 1'-0"



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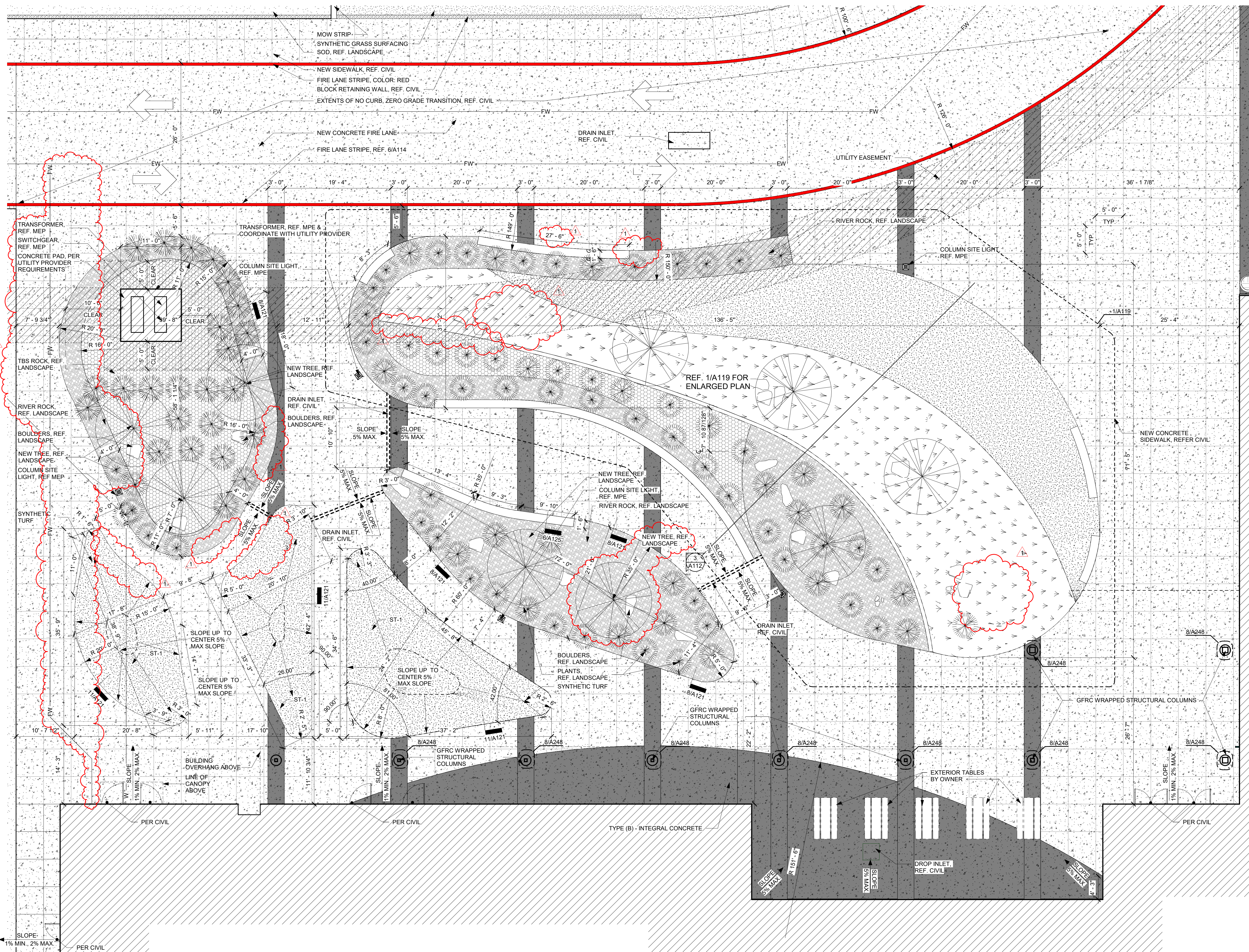
REVISIONS:

No.	Date
1	09/19/2024

JOB NO. 2359
DATE: 09/19/2024

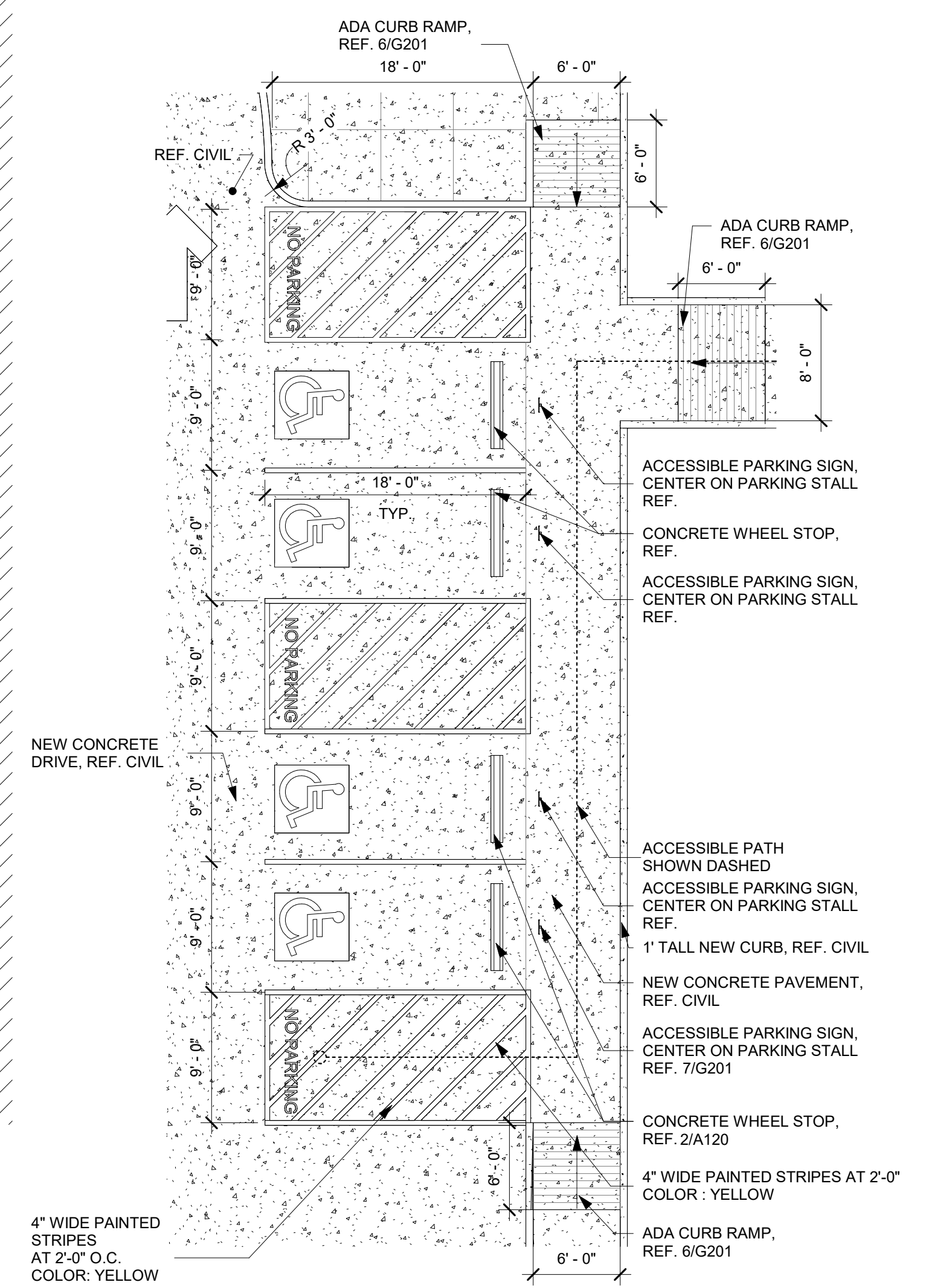
Enlarged Site Plan

A111

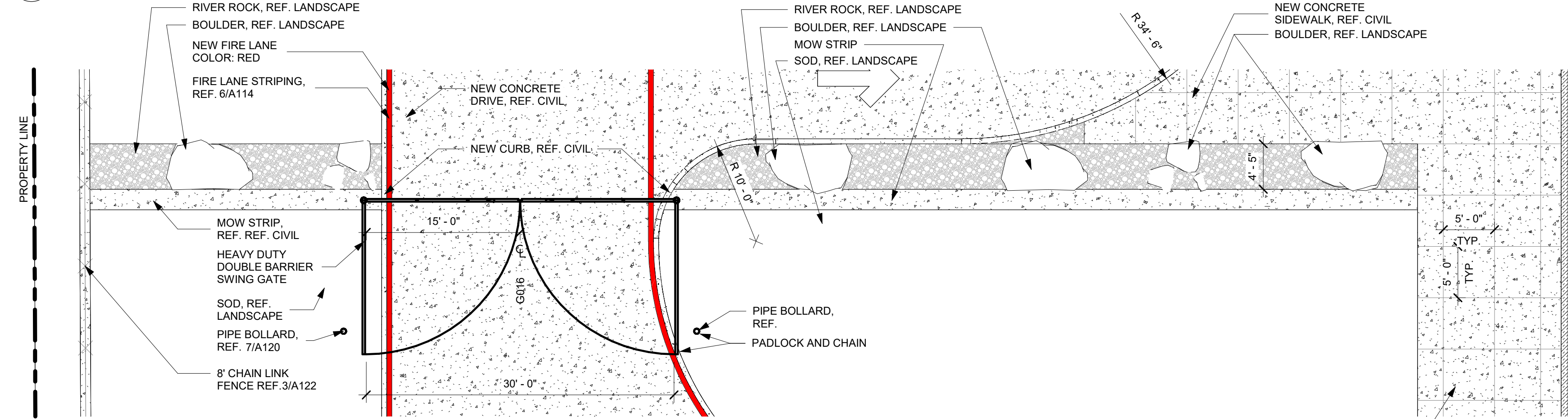


SITE PLAN LEGEND

--- PROPERTY LINE	NEW FIRE HYDRANT
- - - SETBACK	EXISTING FIRE HYDRANT
..... ACCESSIBLE PATH	BUFFALO GRASS, REF. LANDSCAPE
- - - EXISTING FENCE	SOD, REF. LANDSCAPE
-G- EXISTING GAS LINE	SYNTHETIC GRASS SURFACING - ST-1
-W- EXISTING WATER LINE	SYNTHETIC GRASS SURFACING (REVERSE LAY DIRECTION) - ST-2
-SS- EXISTING SANITARY SEWER LINE	RIVER ROCK, REF. LANDSCAPE
-SD- EXISTING STORM SEWER LINE	TBS ROCK, REF. LANDSCAPE
- - - NEW FENCE	DECOMPOSED GRANITE, REF. LANDSCAPE
-W- NEW WATER LINE	EARTH / MULCH, REF. LANDSCAPE
-SS- NEW SANITARY SEWER LINE	NEW BRICK
-SD- NEW STORM SEWER LINE	EXISTING CONCRETE
-FW- NEW FIRE WATER LINE	ROCK / BOULDER, REF. LANDSCAPE
▭ EXISTING BUILDING	PLANT / BUSH, REF. LANDSCAPE
▭ EXISTING PAVEMENT	TREE, REF. LANDSCAPE
▭ NEW BUILDING	EXISTING TREE
▭ NEW TYPE (A) CONCRETE PAVING, REF. CIVIL	SPOT ELEVATIONS, REFERENCE CIVIL
▭ NEW TYPE (B) - INTEGRAL COLOR CONCRETE PAVING, REF. CIVIL (LIQUID INTEGRAL COLOR, SMOKE)	
▭ HIGH STRENGTH CONCRETE SIDEWALK, REF. CIVIL	
▭ CONCRETE SLAB, REF. STRUCTURAL	
▭ 15'-0" UTILITY EASEMENT	
▭ FIRE LANE STRIPING, REF. 6/A114	

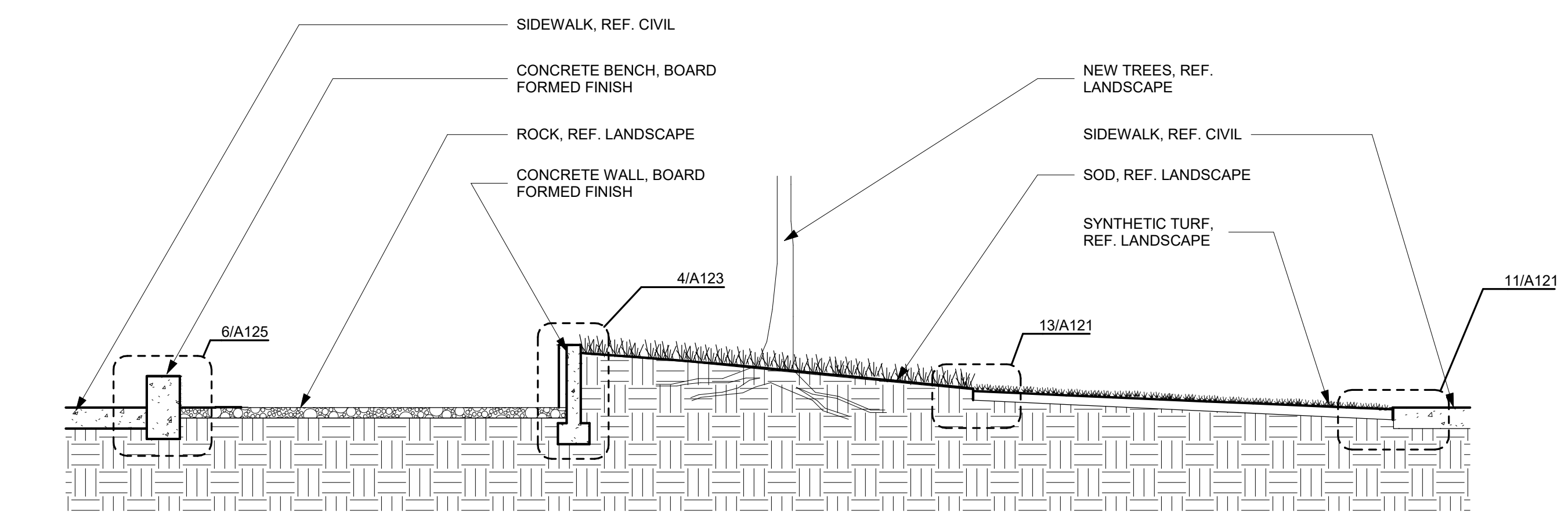


1 Enlarged Site Plan - Student Entry Plaza
1/8" = 1'-0"

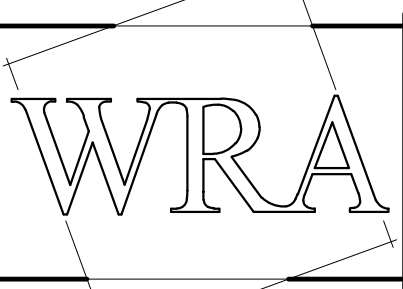


2 Enlarged Site Plan - Student South Parking Barrier Gate
1/8" = 1'-0"

4 Enlarged Site Plan - Student Parking - Accessible Stalls
1/8" = 1'-0"



3 Site Section - Plaza Island
3/16" = 1'-0"



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REVISIONS:

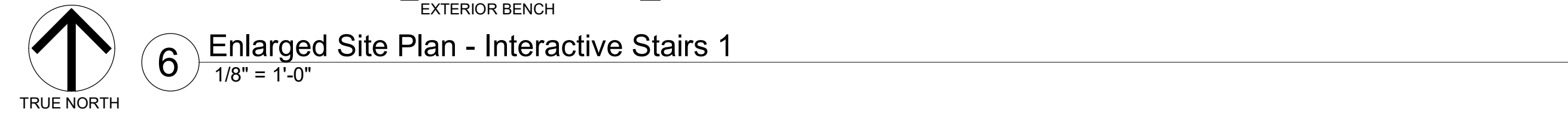
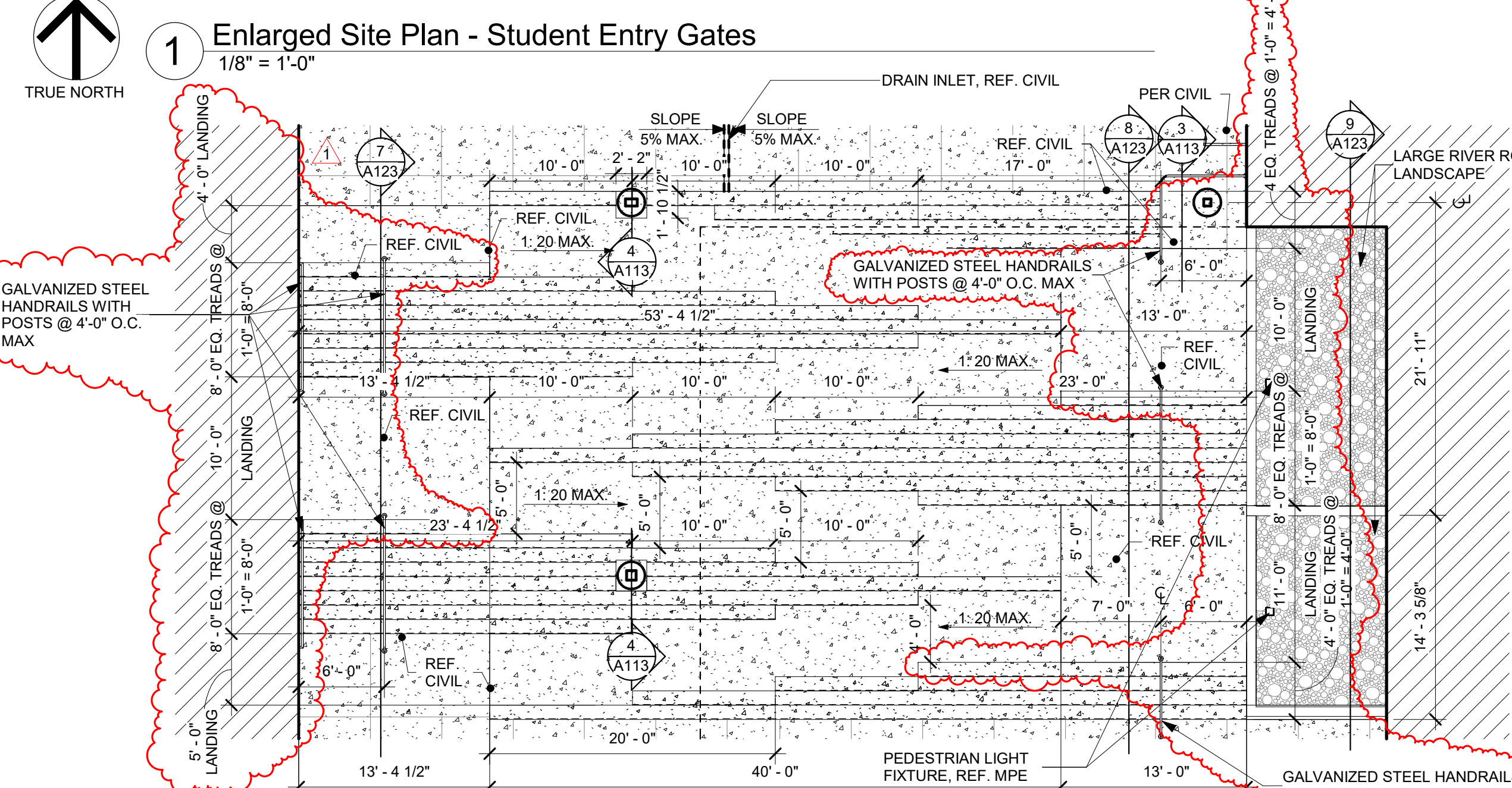
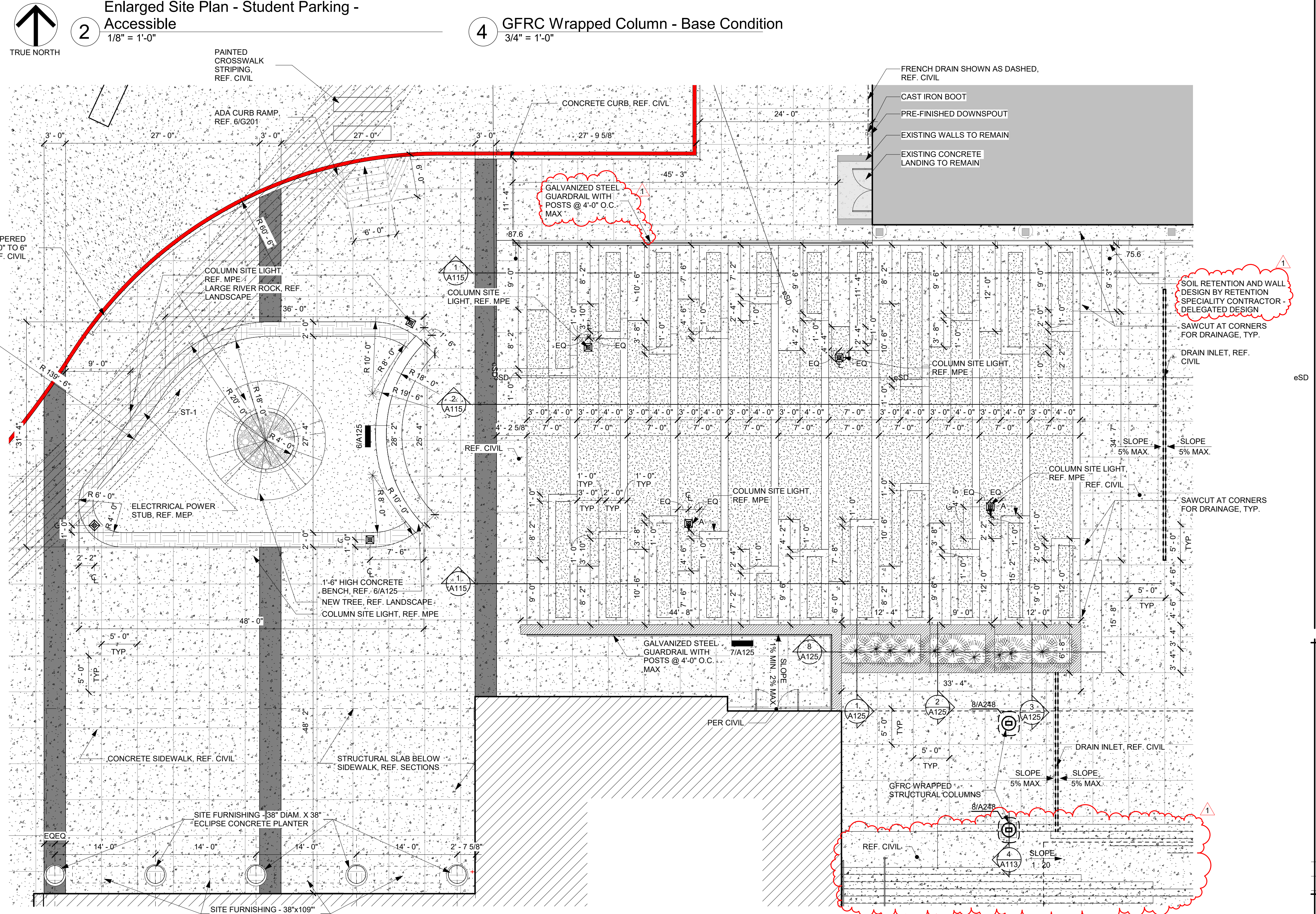
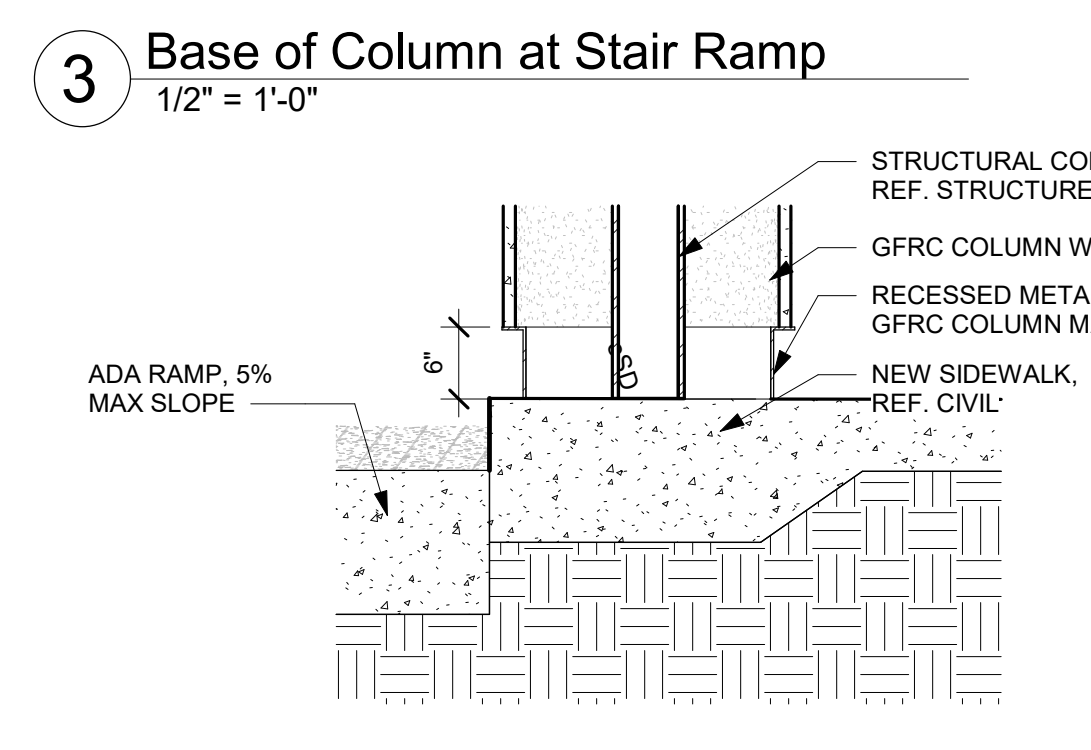
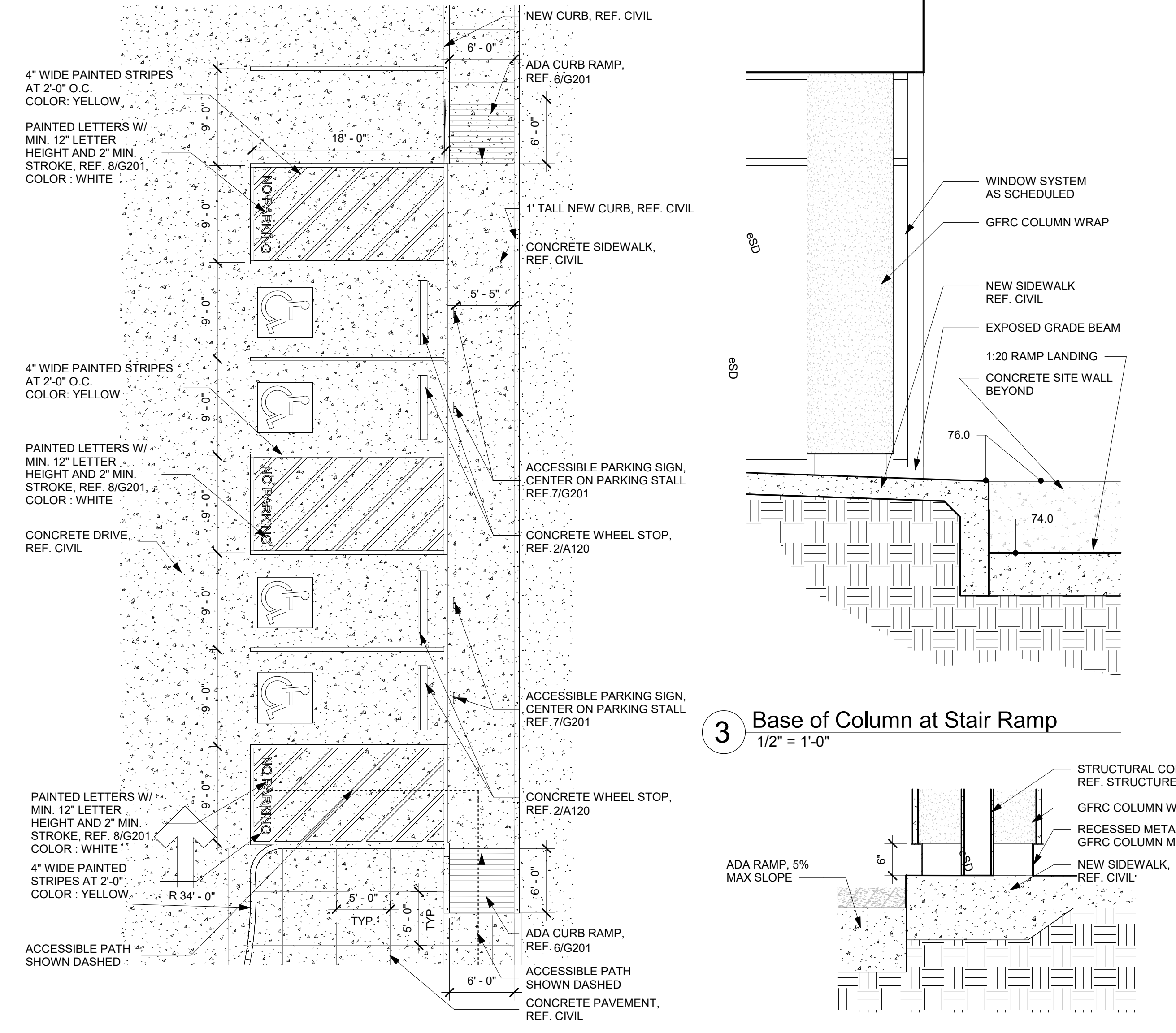
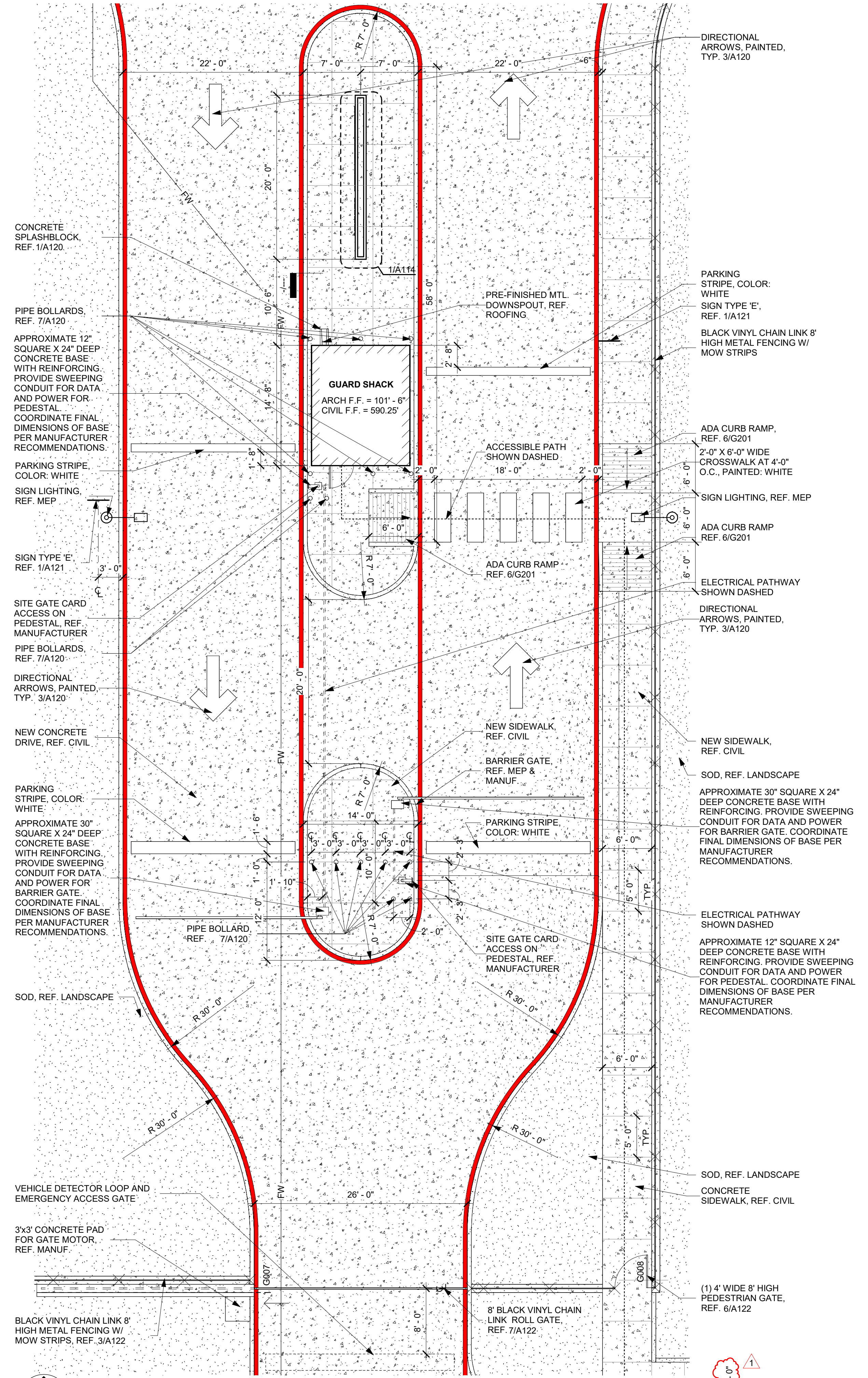
No.	Date
1	09/19/2024
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JOB NO. 2399
DATE: 09/19/2024
Enlarged Site Plan
A112
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SITE PLAN LEGEND

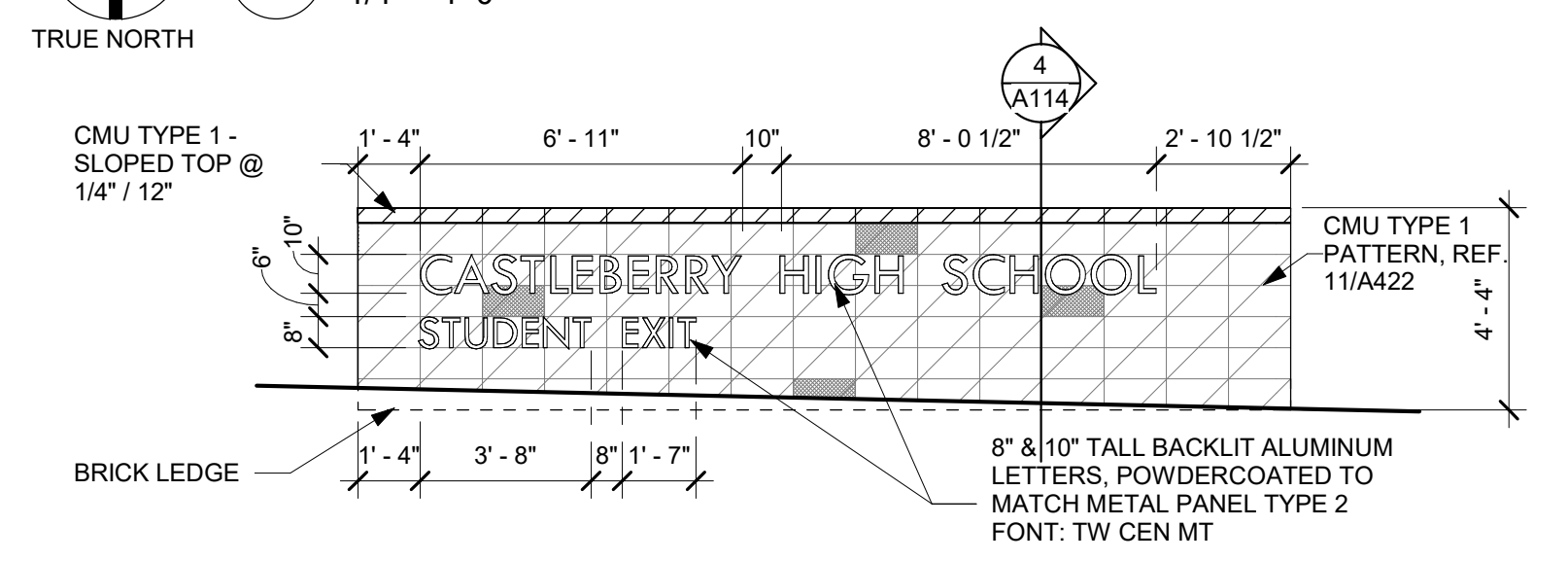
---	PROPERTY LINE	⊕	NEW FIRE HYDRANT
- - -	SETBACK	⊕	EXISTING FIRE HYDRANT
⋯	ACCESSIBLE PATH	⊕	BUFFALO GRASS, REF. LANDSCAPE
---	EXISTING FENCE	⊕	SOD, REF. LANDSCAPE
-G-	EXISTING GAS LINE	⊕	SYNTHETIC GRASS SURFACING - ST-1
-W-	EXISTING WATER LINE	⊕	SYNTHETIC GRASS SURFACING (REVERSE LAY DIRECTION) - ST-2
-SS-	EXISTING SANITARY SEWER LINE	⊕	RIVER ROCK, REF. LANDSCAPE
-SD-	EXISTING STORM SEWER LINE	⊕	TBS ROCK, REF. LANDSCAPE
---	NEW FENCE	⊕	DECOMPOSED GRANITE, REF. LANDSCAPE
-W-	NEW WATER LINE	⊕	EARTH / MULCH, REF. LANDSCAPE
-SS-	NEW SANITARY SEWER LINE	⊕	NEW BRICK
-SD-	NEW STORM SEWER LINE	⊕	EXISTING CONCRETE
-FW-	NEW FIRE WATER LINE	⊕	ROCK / BOULDER, REF. LANDSCAPE
---	EXISTING BUILDING	⊕	PLANT / BUSH, REF. LANDSCAPE
---	EXISTING PAVEMENT	⊕	TREE, REF. LANDSCAPE
---	NEW BUILDING	⊕	EXISTING TREE
---	NEW TYPE (A) CONCRETE PAVING, REF. CIVIL	⊕	SPOT ELEVATIONS, REFERENCE CIVIL
---	NEW TYPE (B) - INTEGRAL COLOR CONCRETE PAVING, REF. CIVIL (LIQUID INTEGRAL COLOR, SMOKE)	⊕	
---	HIGH STRENGTH CONCRETE SIDEWALK, REF. CIVIL	⊕	
---	CONCRETE SLAB, REF. STRUCTURAL	⊕	
---	15'-0" UTILITY EASEMENT	⊕	
---	FIRE LANE STRIPING, REF. 6/A114	⊕	



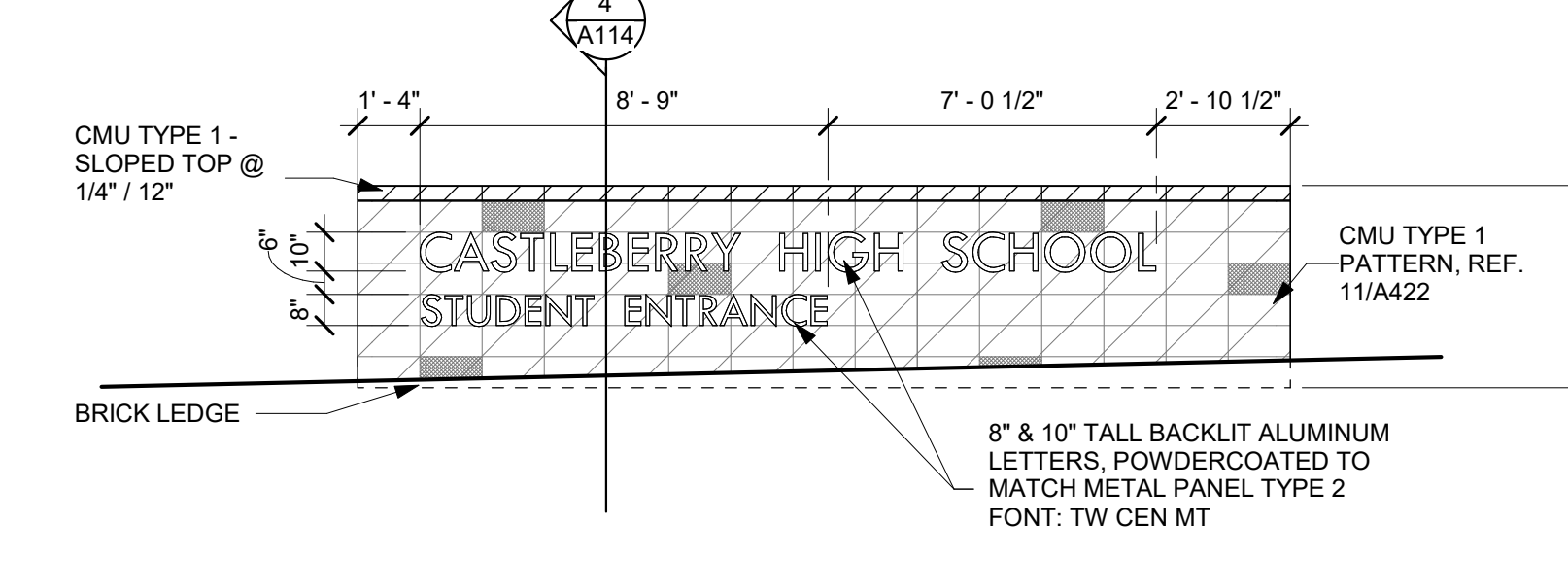
SITE PLAN LEGEND

--- PROPERTY LINE	⊕ NEW FIRE HYDRANT
- - - SETBACK	⊕ EXISTING FIRE HYDRANT
⋯ ACCESSIBLE PATH	⊕ BUFFALO GRASS, REF. LANDSCAPE
--- EXISTING FENCE	⊕ SOD, REF. LANDSCAPE
-G- EXISTING GAS LINE	⊕ SYNTHETIC GRASS SURFACING - ST-1
-W- EXISTING WATER LINE	⊕ SYNTHETIC GRASS SURFACING (REVERSE LAY DIRECTION) - ST-2
-SS- EXISTING SANITARY SEWER LINE	⊕ RIVER ROCK, REF. LANDSCAPE
-SD- EXISTING STORM SEWER LINE	⊕ TBS ROCK, REF. LANDSCAPE
--- NEW FENCE	⊕ DECOMPOSED GRANITE, REF. LANDSCAPE
-W- NEW WATER LINE	⊕ EARTH / MULCH, REF. LANDSCAPE
-SS- NEW SANITARY SEWER LINE	⊕ NEW BRICK
-SD- NEW STORM SEWER LINE	⊕ EXISTING CONCRETE
-FW- NEW FIRE WATER LINE	⊕ ROCK / BOULDER, REF. LANDSCAPE
▒ EXISTING BUILDING	⊕ PLANT / BUSH, REF. LANDSCAPE
▒ EXISTING PAVEMENT	⊕ TREE, REF. LANDSCAPE
▒ NEW BUILDING	⊕ EXISTING TREE
▒ NEW TYPE (A) CONCRETE PAVING, REF. CIVIL	⊕ SPOT ELEVATIONS, REFERENCE CIVIL
▒ NEW TYPE (B) - INTEGRAL COLOR CONCRETE PAVING, REF. CIVIL (LIQUID INTEGRAL COLOR, SMOKE)	
▒ HIGH STRENGTH CONCRETE SIDEWALK, REF. CIVIL	
▒ CONCRETE SLAB, REF. STRUCTURAL	
▒ 15'-0" UTILITY EASEMENT	
▒ FIRE LANE STRIPING, REF. 6/A114	

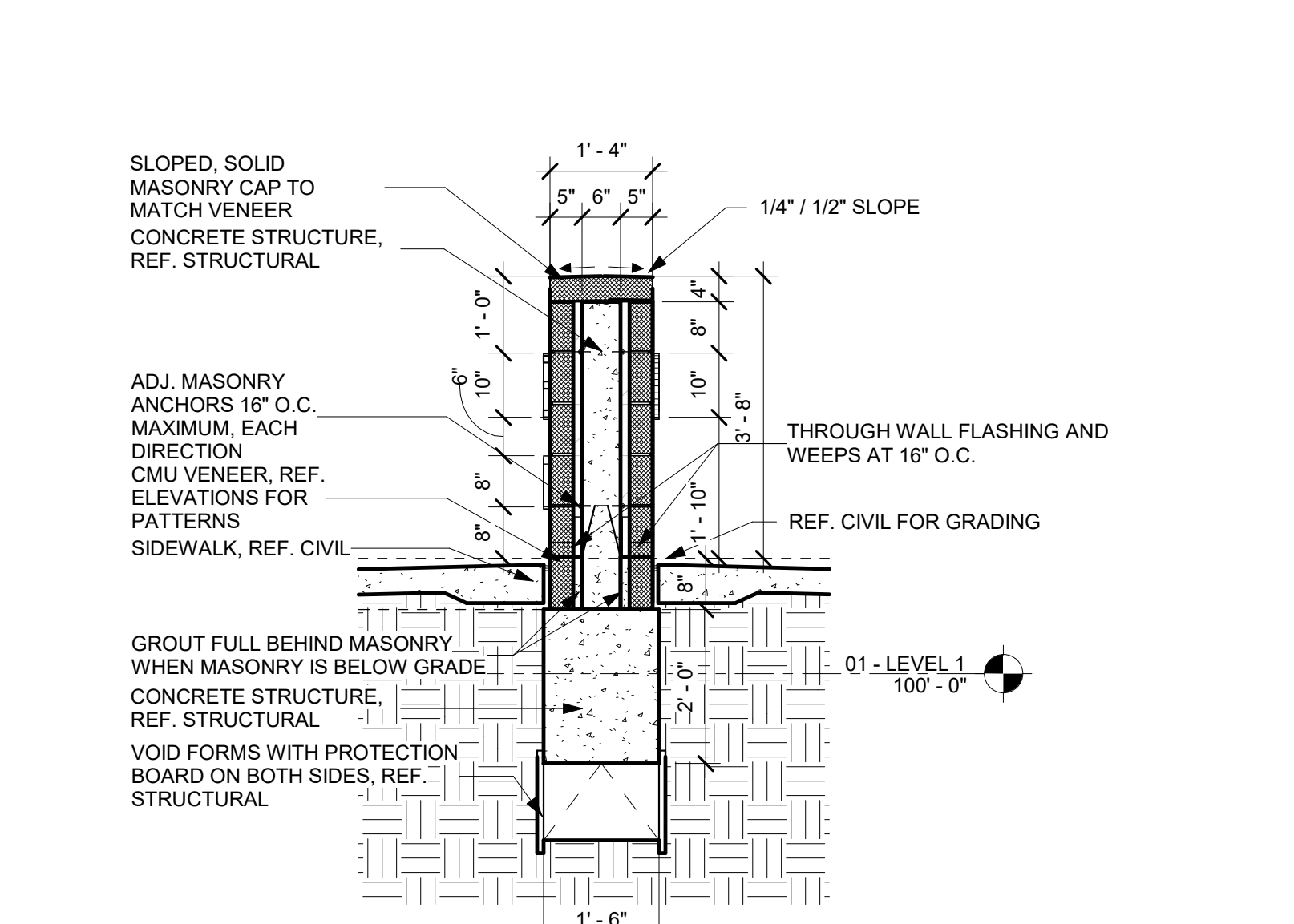
1 Enlarged Site Plan - Monumental Sign Plan
1/4" = 1'-0"



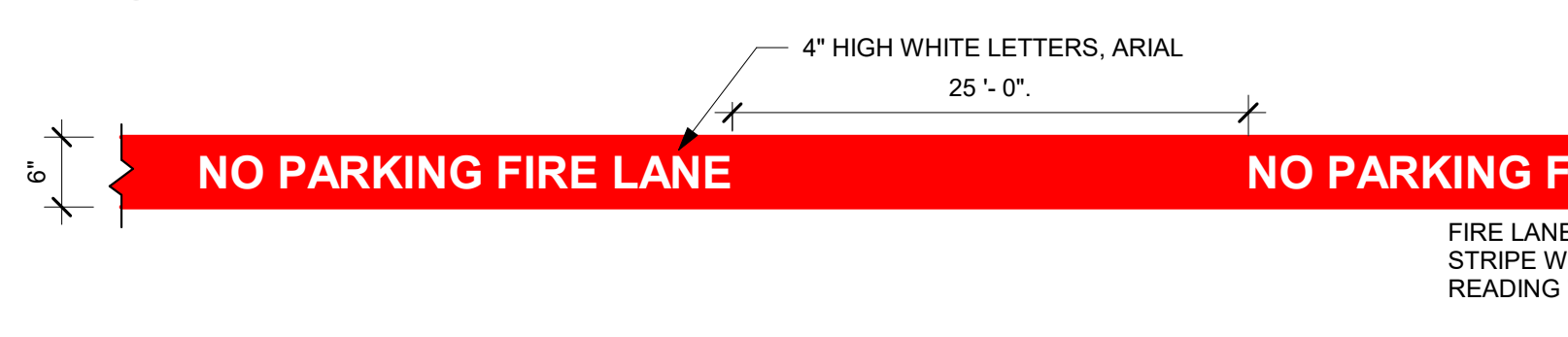
2 Monument Sign - Student Parking Entry East
1/4" = 1'-0"



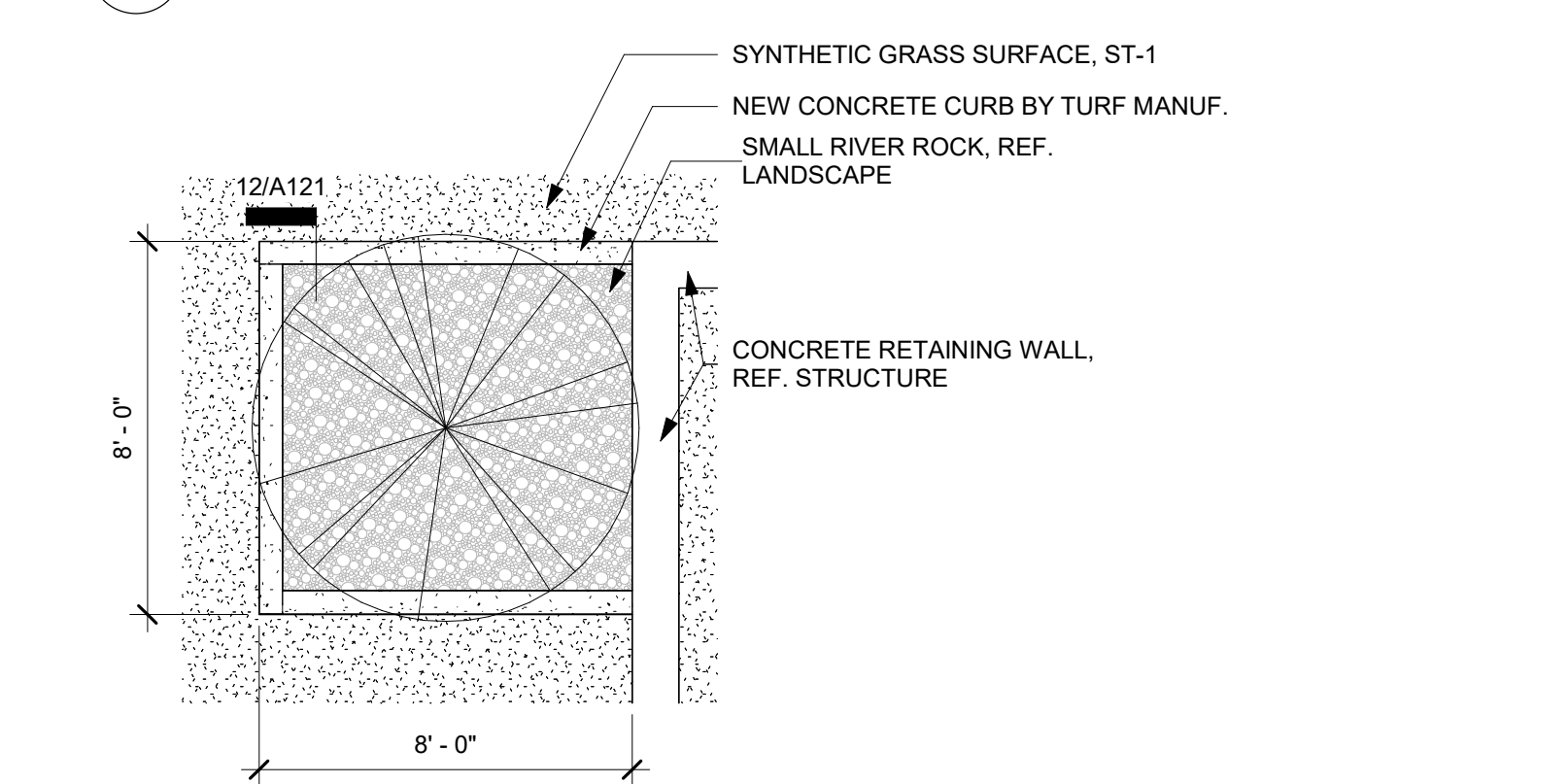
3 Monument Sign - Student Parking Entry West
1/4" = 1'-0"



4 Wall Section - Monument Sign - Student Entry West
1/2" = 1'-0"

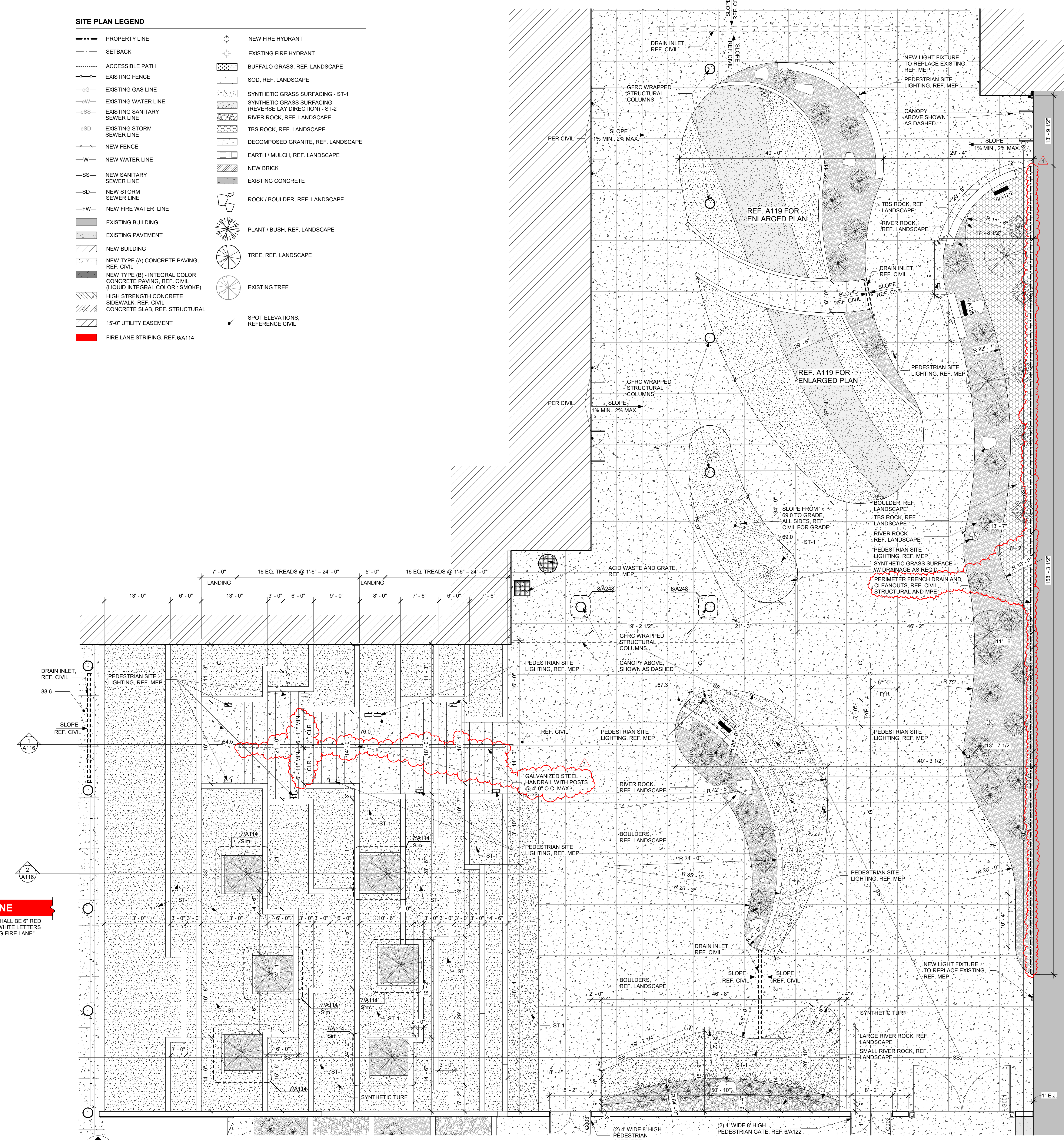


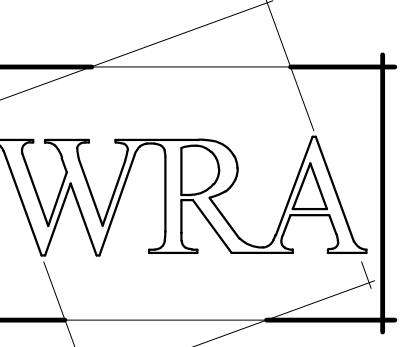
6 Fire Lane Marking
3/4" = 1'-0"



7 Enlarged Site Plan - Planter
1/4" = 1'-0"

5 Enlarged Site Plan - Level 0 Plaza
1/8" = 1'-0"





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DATE:	09/19/2024

Enlarged Site Plan

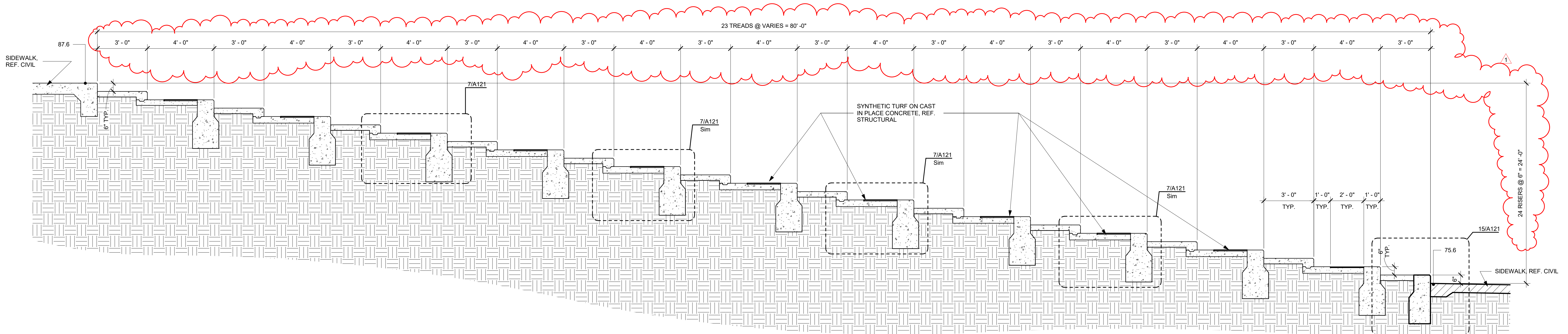
A115

WALL SECTION NOTES

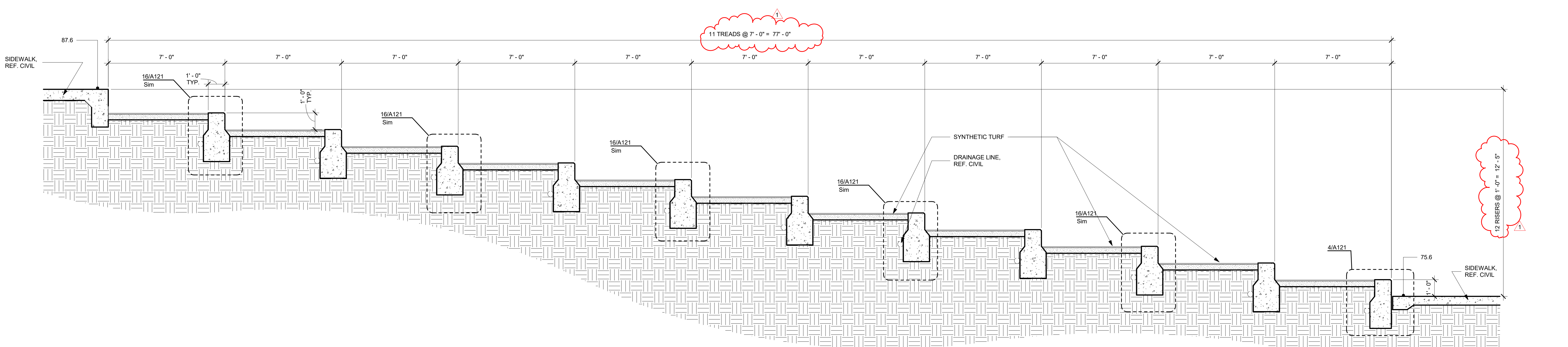
- ALL STRUCTURAL MEMBERS SHOWN ON ARCHITECTURAL DRAWINGS ("A" SERIES) ARE FOR REFERENCE ONLY. REFER TO STRUCTURAL DRAWINGS FOR ACTUAL SIZE & LOCATIONS OF STEEL DECK, JOISTS, ANGLES, BOND BEAMS, ETC.
- THRU-WALL FLASHING @ BRICK LEDGE SHALL BE LOCATED AT BOTTOM OF BRICK LEDGE AT ALL CONDITIONS. WEEP HOLES SHALL BE @ 16" O.C.
- AT EXTERIOR MTL. STUDS BACKUP WALL, INFILL SPACES BETWEEN STL. JOISTS W/ BATT INSULATION. PROVIDE CONT. SEALANT AT ALL GAPS TO MAINTAIN SEPARATION BETWEEN INTERIOR & EXTERIOR.
- FILL VOID AT ALL JOIST SEATS W/ BATT INSULATION.
- INSTALL BACKER ROD AND SEALANT @ ALL EXPANSION JOINTS IN CONC. FLOOR SLAB.
- ALL ROOF RELATED WOOD BLOCKING & PLYWD. SHALL BE TREATED. RE. ROOF DWGS. ("R" SERIES) FOR BLOCKING LAYOUT AT ROOF EDGES & E.J.
- REFER TO A400 SERIES DRAWINGS FOR BRICK TYPE, PATTERN, COLOR, AND COURSING.
- REFER TO SPEC. & SHEET AS21 FOR E.J. COVER AND BRICK E.J. DETAILS.
- REFER TO STRUCTURAL DWGS. FOR VERT. REINFORCING IN CMU WALL. REFER TO ARCHITECTURAL SPECIFICATION FOR HORIZONTAL REINFORCING IN CMU WALL.
- INSTALL MORTAR NET PER SPEC ABOVE THRU WALL FLASHING AT ALL STEEL INTEL LOCATIONS AND AT ALL BRICK LEDGE LOCATIONS PER DETAIL ON AS21.
- APPLY WATER REPELLENT COATING TO MASONRY SURFACES FOLLOWING FINAL CLEANING PER SPEC.

SITE PLAN LEGEND

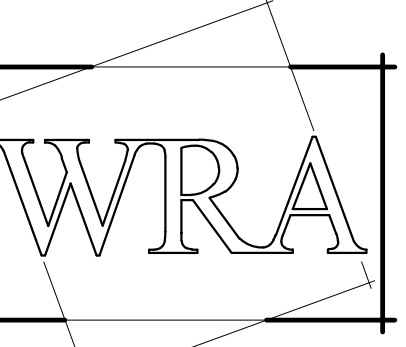
- PROPERTY LINE
- SETBACK
- ACCESSIBLE PATH
- EXISTING FENCE
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING STORM SEWER LINE
- NEW FENCE
- NEW WATER LINE
- NEW SANITARY SEWER LINE
- NEW STORM SEWER LINE
- NEW FIRE WATER LINE
- EXISTING BUILDING
- EXISTING PAVEMENT
- NEW BUILDING
- NEW TYPE (A) CONCRETE PAVING, REF. CIVIL
- NEW TYPE (B) - INTEGRAL COLOR CONCRETE PAVING, REF. CIVIL (LIQUID INTEGRAL COLOR, SMOKE)
- HIGH STRENGTH CONCRETE SIDEWALK, REF. CIVIL
- CONCRETE SLAB, REF. STRUCTURAL
- 15'-0" UTILITY EASEMENT
- FIRE LANE STRIP, REF. 6/A114
- NEW FIRE HYDRANT
- EXISTING FIRE HYDRANT
- BUFFALO GRASS, REF. LANDSCAPE
- SOD, REF. LANDSCAPE
- SYNTHETIC GRASS SURFACING - ST-1
- SYNTHETIC GRASS SURFACING (REVERSE LAY DIRECTION) - ST-2
- RIVER ROCK, REF. LANDSCAPE
- TBS ROCK, REF. LANDSCAPE
- DECOMPOSED GRANITE, REF. LANDSCAPE
- EARTH / MULCH, REF. LANDSCAPE
- NEW BRICK
- EXISTING CONCRETE
- ROCK / BOULDER, REF. LANDSCAPE
- PLANT / BUSH, REF. LANDSCAPE
- TREE, REF. LANDSCAPE
- EXISTING TREE
- SPOT ELEVATIONS, REFERENCE CIVIL



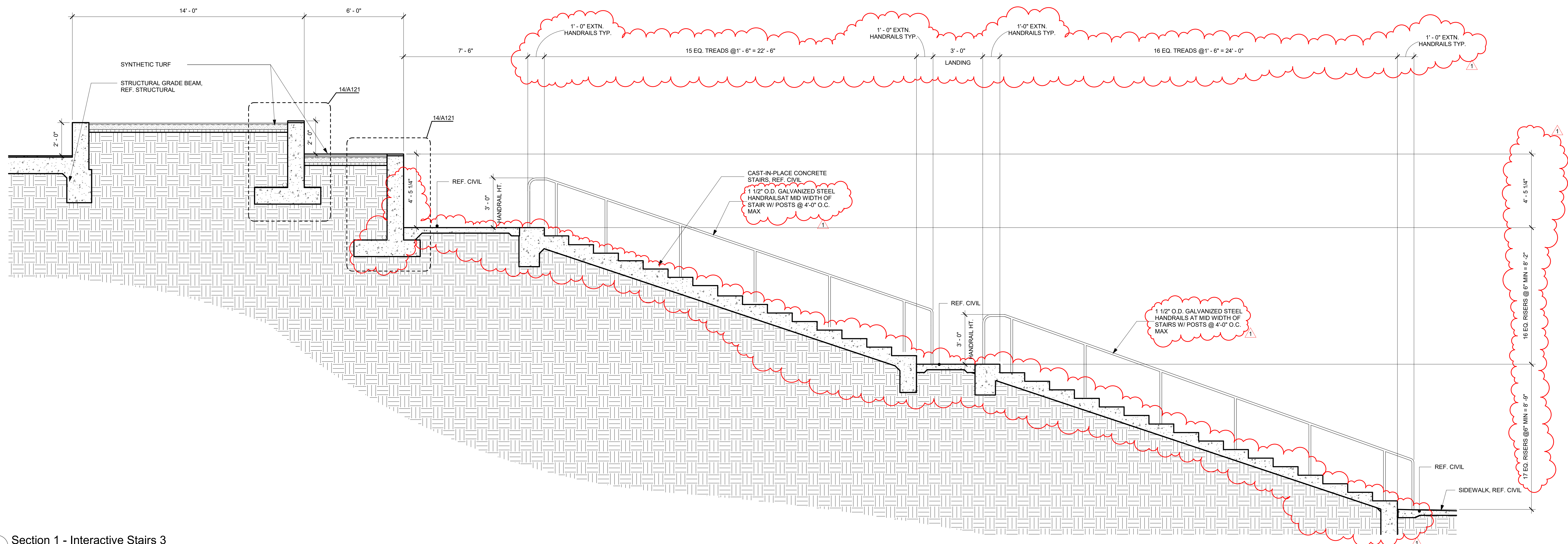
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3/8" = 1'-0"



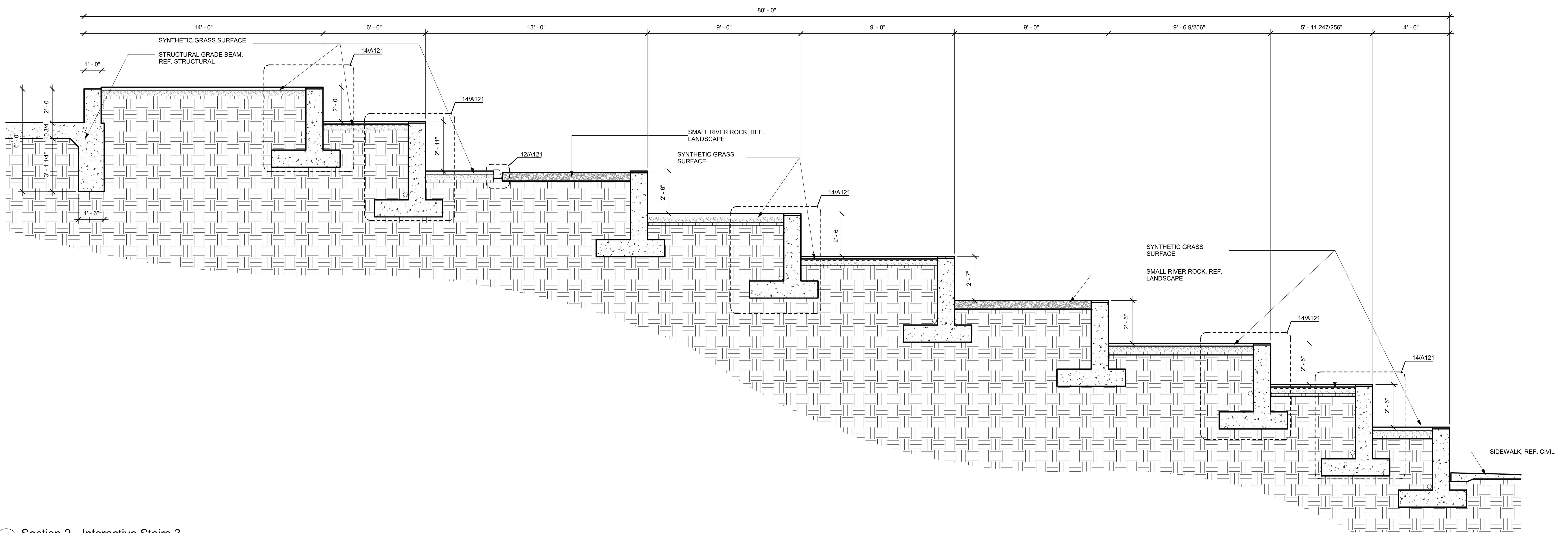
2 Section 2 - Interactive Stairs 1
3/8" = 1'-0"



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1 Section 1 - Interactive Stairs 3
 3/8" = 1'-0"



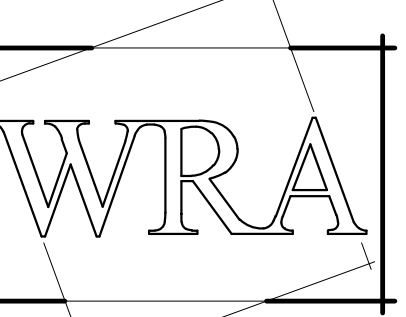
2 Section 2 - Interactive Stairs 3
 3/8" = 1'-0"

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A116	
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No. 1 Addendum #1 Date 09/19/24

JOB NO. 2399
DATE: 09/19/2024

Enlarged Site Plan

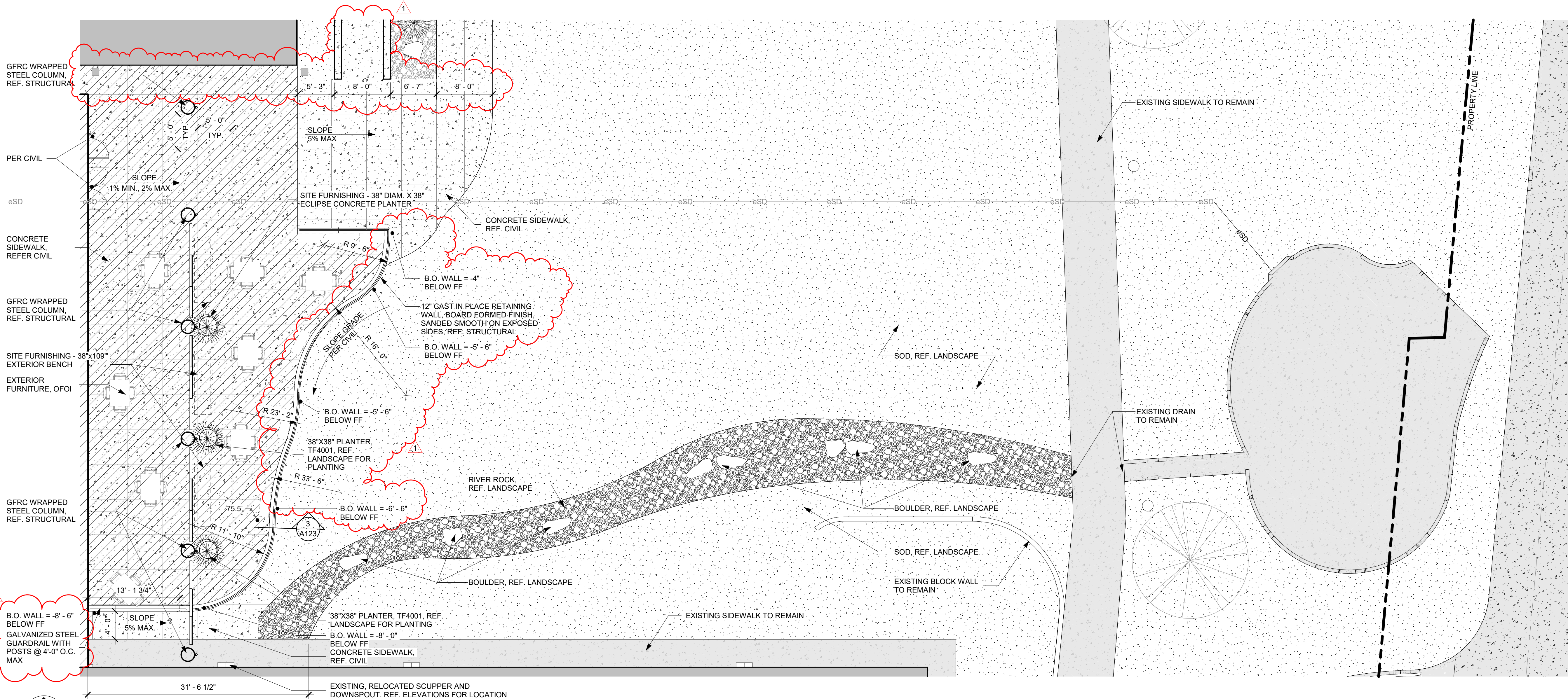
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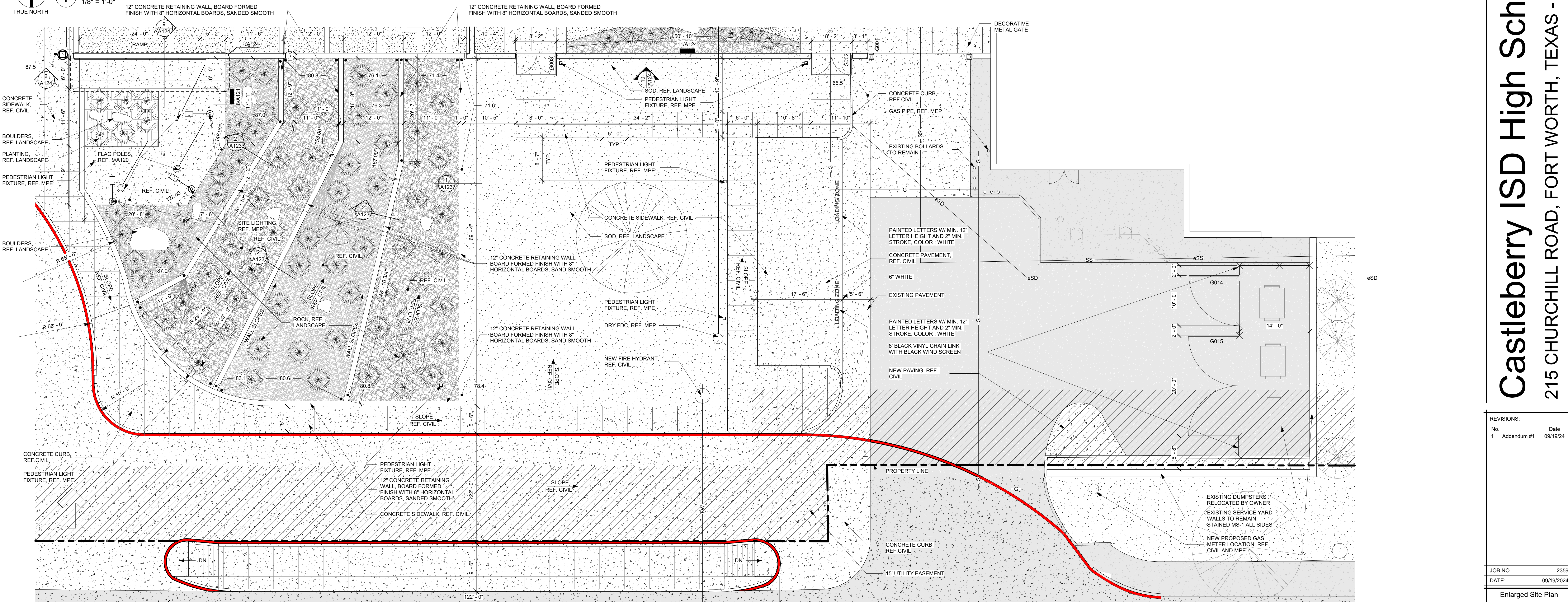
SITE PLAN LEGEND

- PROPERTY LINE
- - - SETBACK
- ACCESSIBLE PATH
- EXISTING FENCE
- eG- EXISTING GAS LINE
- eW- EXISTING WATER LINE
- eSS- EXISTING SANITARY SEWER LINE
- eSD- EXISTING STORM SEWER LINE
- NEW FENCE
- W- NEW WATER LINE
- SS- NEW SANITARY SEWER LINE
- SD- NEW STORM SEWER LINE
- FW- NEW FIRE WATER LINE
- █ EXISTING BUILDING
- █ EXISTING PAVEMENT
- █ NEW BUILDING
- █ NEW TYPE (A) CONCRETE PAVING, REF. CIVIL
- █ NEW TYPE (B) - INTEGRAL COLOR CONCRETE PAVING, REF. CIVIL (LIQUID INTEGRAL COLOR - SMOKE)
- █ HIGH STRENGTH CONCRETE SIDEWALK, REF. CIVIL
- █ CONCRETE SLAB, REF. STRUCTURAL
- █ 15'-0" UTILITY EASEMENT
- █ FIRE LANE STRIPING, REF. 6/A114
- ⊕ NEW FIRE HYDRANT
- ⊕ EXISTING FIRE HYDRANT
- █ BUFFALO GRASS, REF. LANDSCAPE
- █ SOD, REF. LANDSCAPE
- █ SYNTHETIC GRASS SURFACING - ST-1 (REVERSE LAY DIRECTION) - ST-2
- █ RIVER ROCK, REF. LANDSCAPE
- █ TBS ROCK, REF. LANDSCAPE
- █ DECOMPOSED GRANITE, REF. LANDSCAPE
- █ EARTH / MULCH, REF. LANDSCAPE
- █ NEW BRICK
- █ EXISTING CONCRETE
- █ ROCK / BOULDER, REF. LANDSCAPE
- ⊙ PLANT / BUSH, REF. LANDSCAPE
- ⊙ TREE, REF. LANDSCAPE
- ⊙ EXISTING TREE
- ⊙ SPOT ELEVATIONS, REFERENCE CIVIL

Alternate #7
Base Bid Scope as shown to be bid.
Deduct Alternate Bid: Remove exterior perforated panels between columns at entrances (Unit A spine, Unit C entry, Unit E facade).

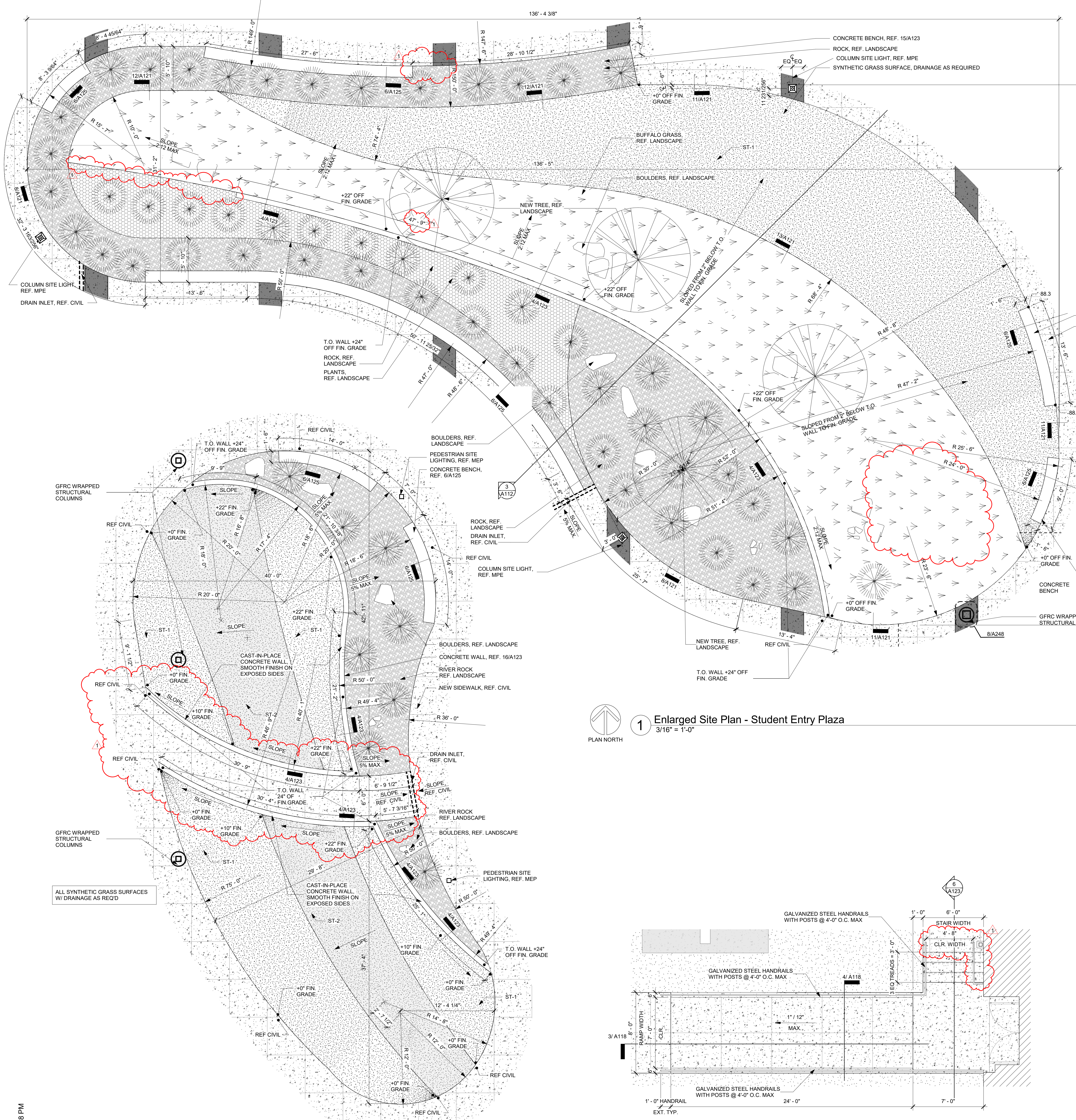


1 Enlarged Site Plan - Parent Drop Off
1/8" = 1'-0"



2 Enlarged Site Plan - White Settlement Service Access
1/8" = 1'-0"

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SITE PLAN LEGEND

--- PROPERTY LINE	NEW FIRE HYDRANT
- - - SETBACK	EXISTING FIRE HYDRANT
..... ACCESSIBLE PATH	BUFFALO GRASS, REF. LANDSCAPE
- - - EXISTING FENCE	SOD, REF. LANDSCAPE
-G- EXISTING GAS LINE	SYNTHETIC GRASS SURFACING - ST-1
-W- EXISTING WATER LINE	SYNTHETIC GRASS SURFACING (REVERSE LAY DIRECTION) - ST-2
-SS- EXISTING SANITARY SEWER LINE	RIVER ROCK, REF. LANDSCAPE
-SD- EXISTING STORM SEWER LINE	TBS ROCK, REF. LANDSCAPE
- - - NEW FENCE	DECOMPOSED GRANITE, REF. LANDSCAPE
-W- NEW WATER LINE	EARTH / MULCH, REF. LANDSCAPE
-SS- NEW SANITARY SEWER LINE	NEW BRICK
-SD- NEW STORM SEWER LINE	EXISTING CONCRETE
-FW- NEW FIRE WATER LINE	ROCK / BOULDER, REF. LANDSCAPE
▭ EXISTING BUILDING	PLANT / BUSH, REF. LANDSCAPE
▭ EXISTING PAVEMENT	TREE, REF. LANDSCAPE
▭ NEW BUILDING	EXISTING TREE
▭ NEW TYPE (A) CONCRETE PAVING, REF. CIVIL	
▭ NEW TYPE (B) - INTEGRAL COLOR CONCRETE PAVING, REF. CIVIL (LIQUID INTEGRAL COLOR: SMOKE)	
▭ HIGH STRENGTH CONCRETE SIDEWALK, REF. CIVIL	
▭ CONCRETE SLAB, REF. STRUCTURAL	
▭ 15'-0" UTILITY EASEMENT	
▭ FIRE LANE STRIPING, REF. 6/A114	● SPOT ELEVATIONS, REFERENCE CIVIL

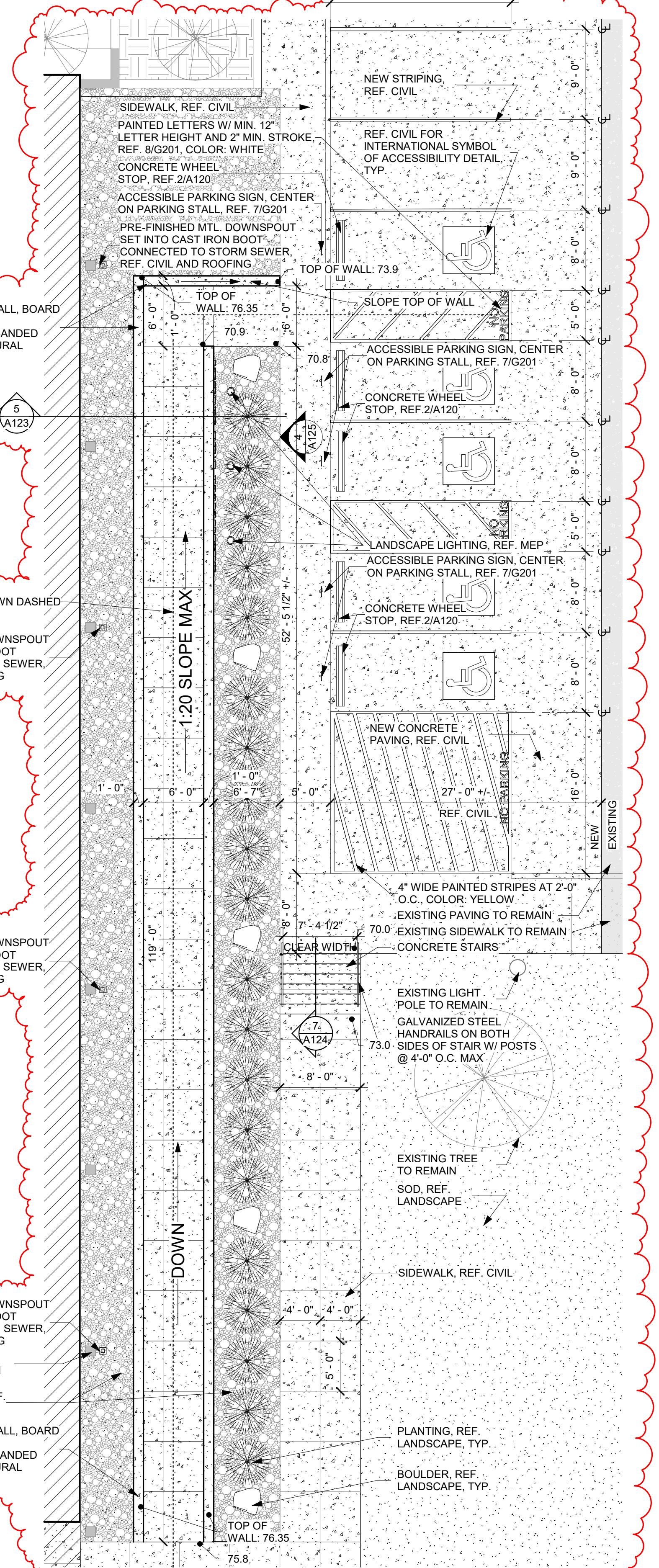
1 Enlarged Site Plan - Student Entry Plaza
3/16" = 1'-0"



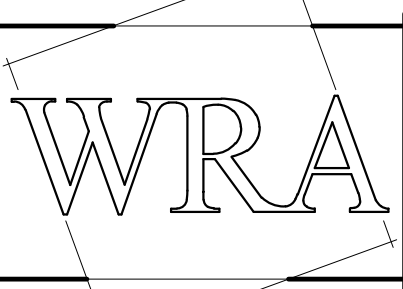
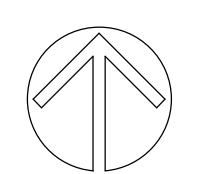
2 Enlarged Site Plan - Level 0 Plaza - Main Island
3/16" = 1'-0"



3 Enlarged Site Plan - Fire Arts West / Fire Lane - Detail 3
1/4" = 1'-0"



4 Enlarged Site Plan - Parent Drop Off
1/8" = 1'-0"



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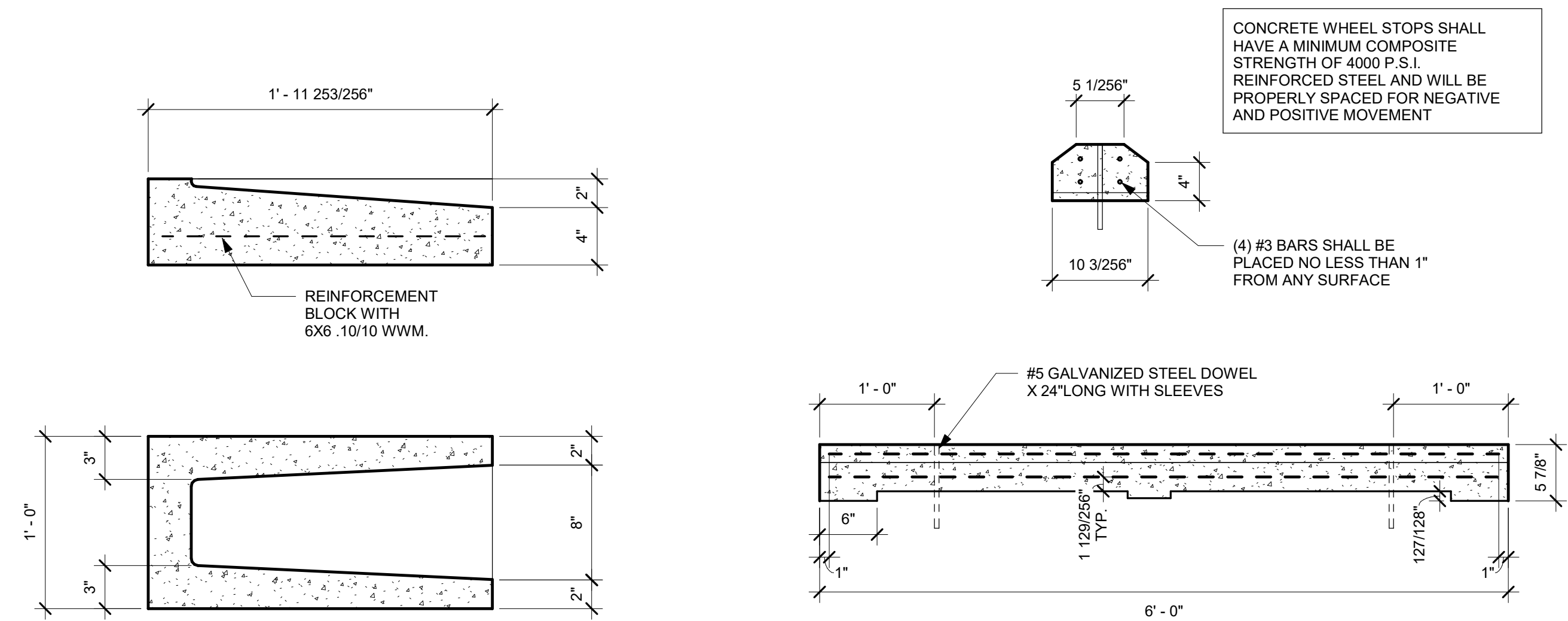
JOB NO. 2359
DATE: 09/19/2024

Enlarged Site Plan

A119

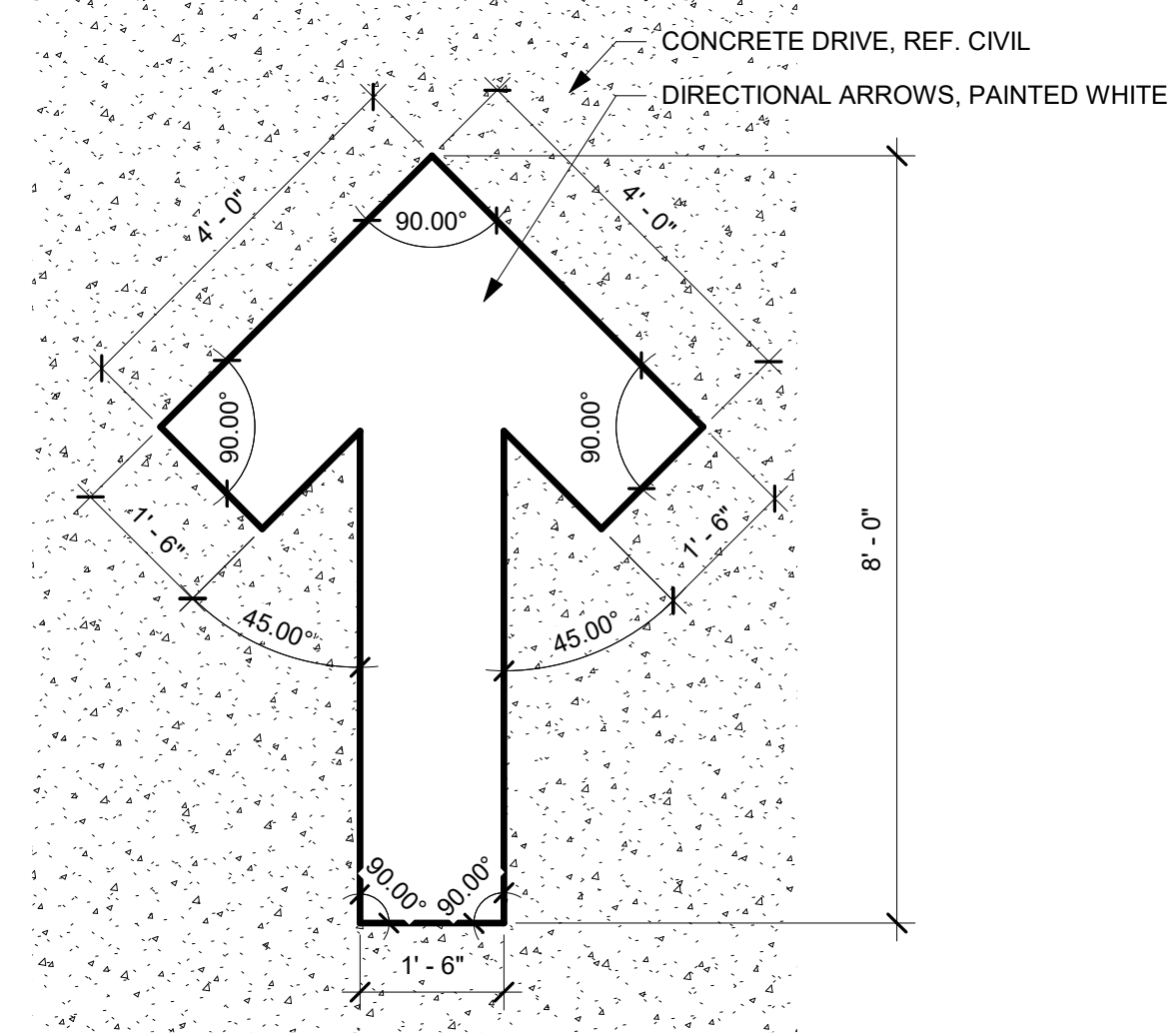
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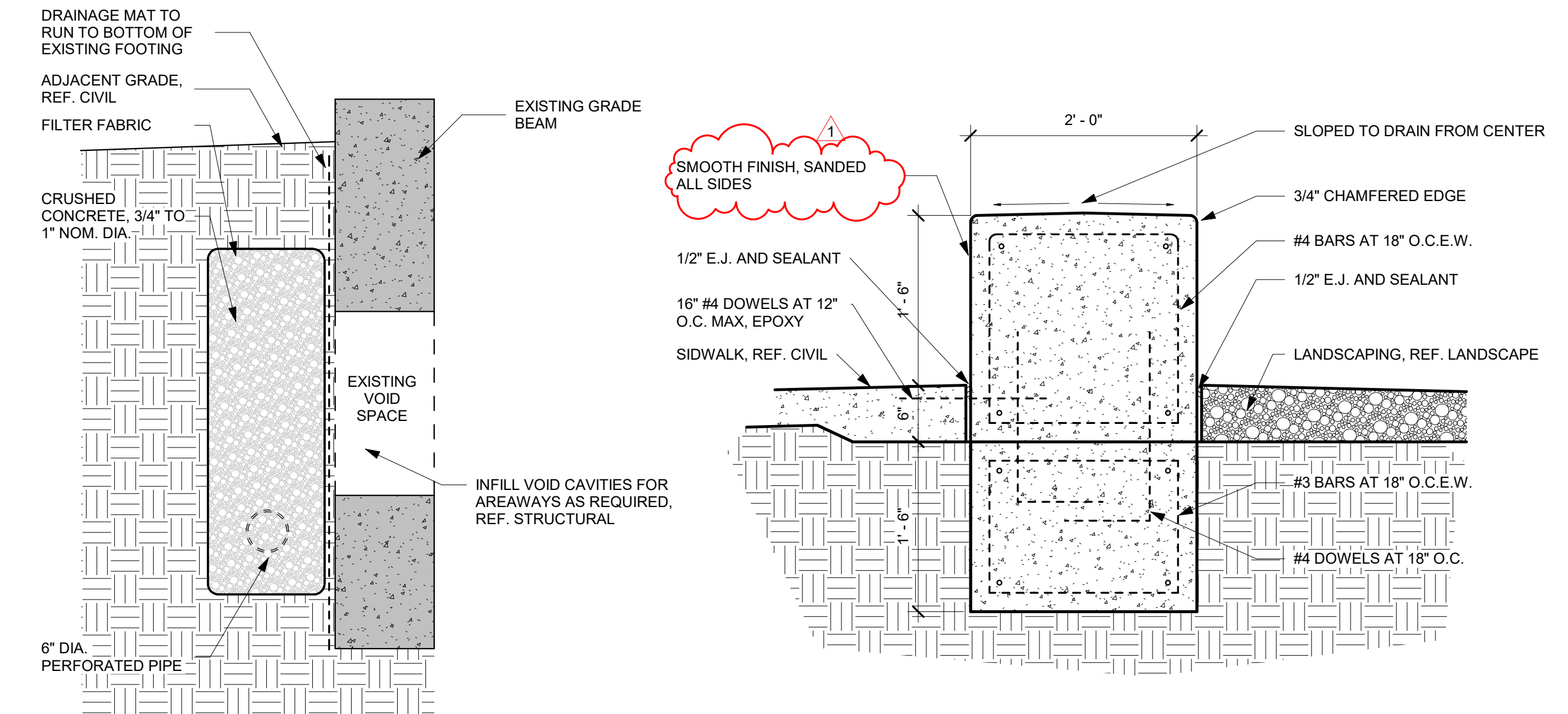


1 Concrete Splashblock
1 1/2" = 1'-0"

2 Wheel Stop Detail G
1" = 1'-0"

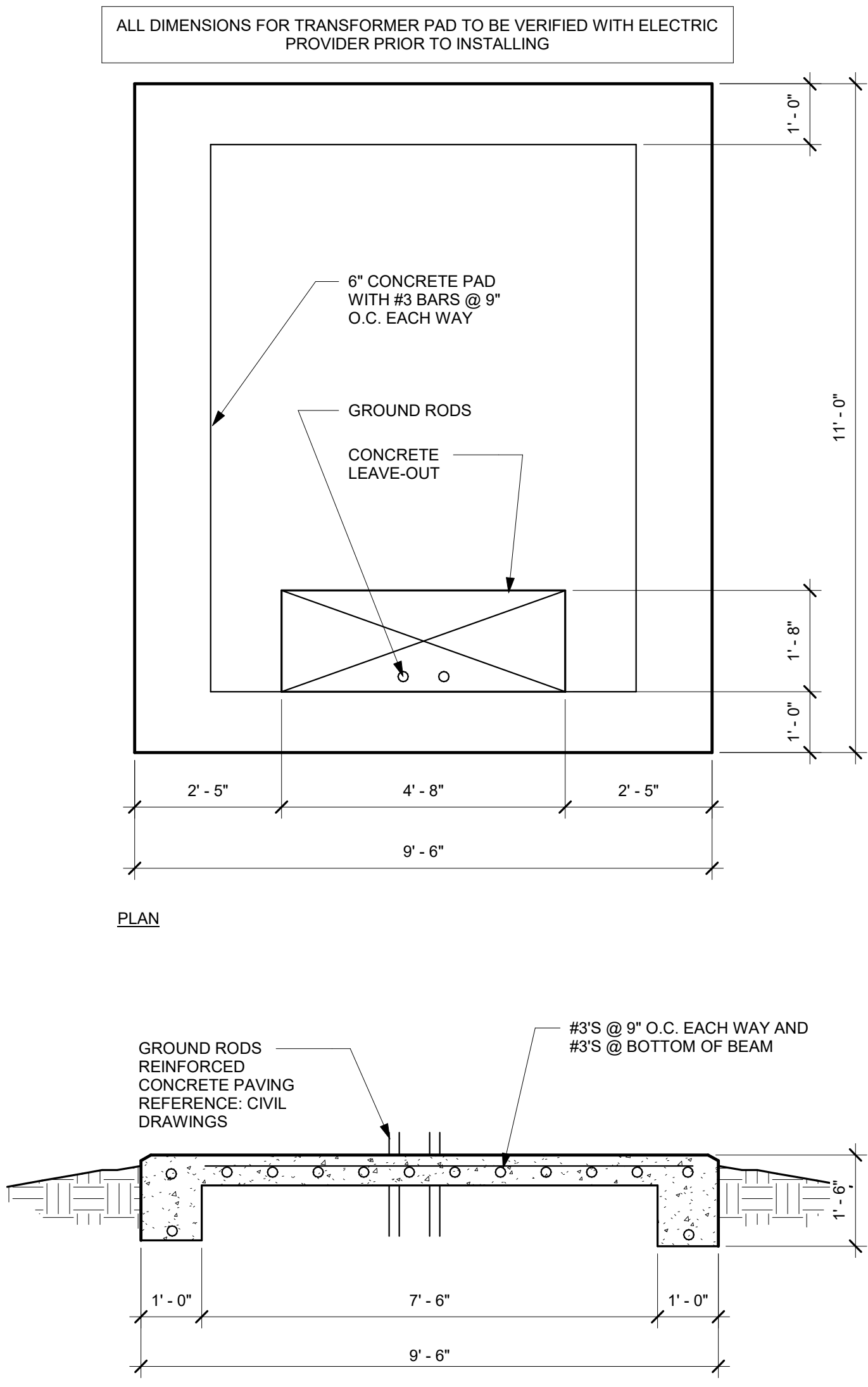


3 Typ. Direction Arrow
1/2" = 1'-0"

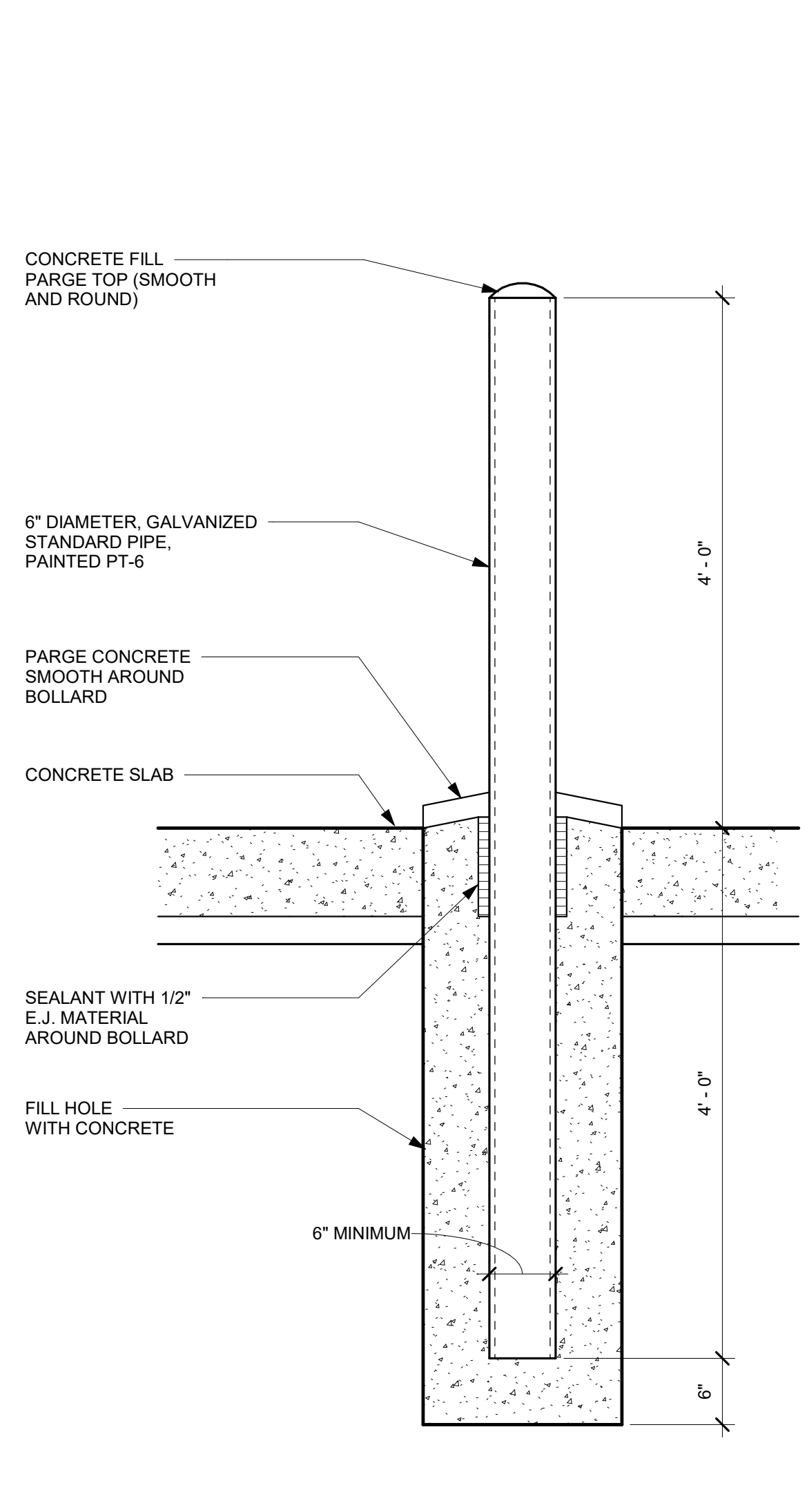


4 Drainage Mat at Existing Grade Beam
3/4" = 1'-0"

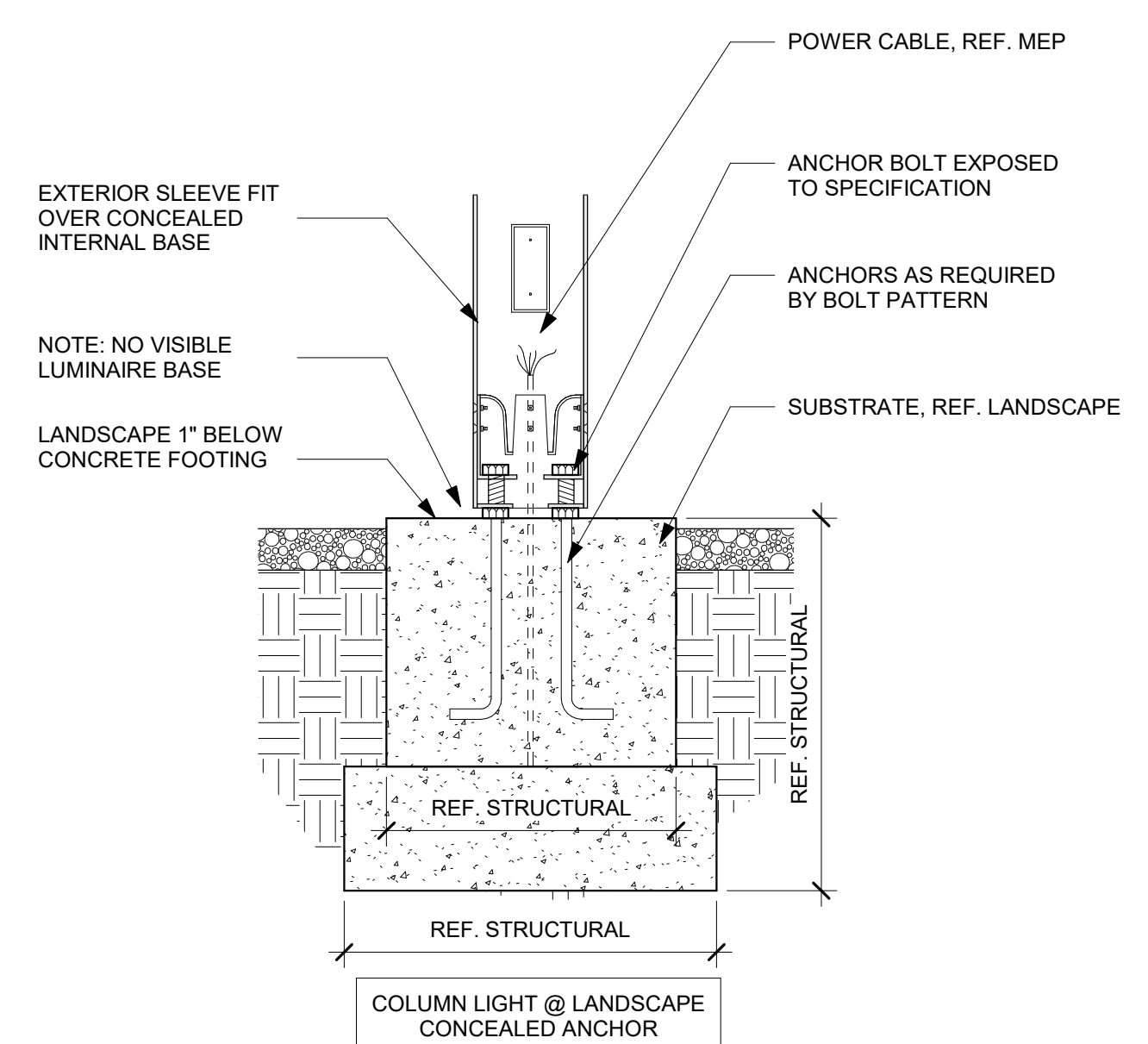
5 Planter Wall Detail
1" = 1'-0"



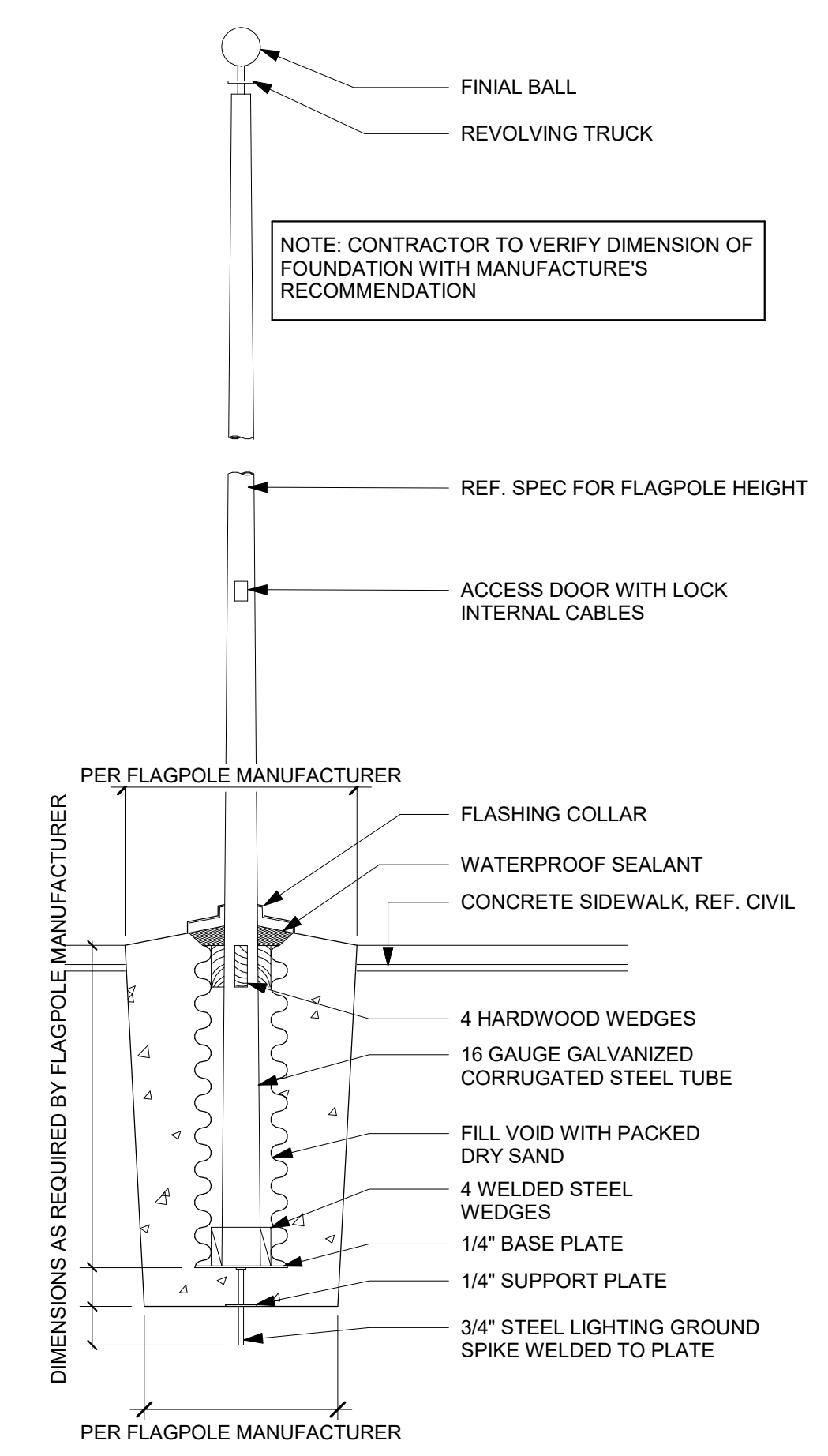
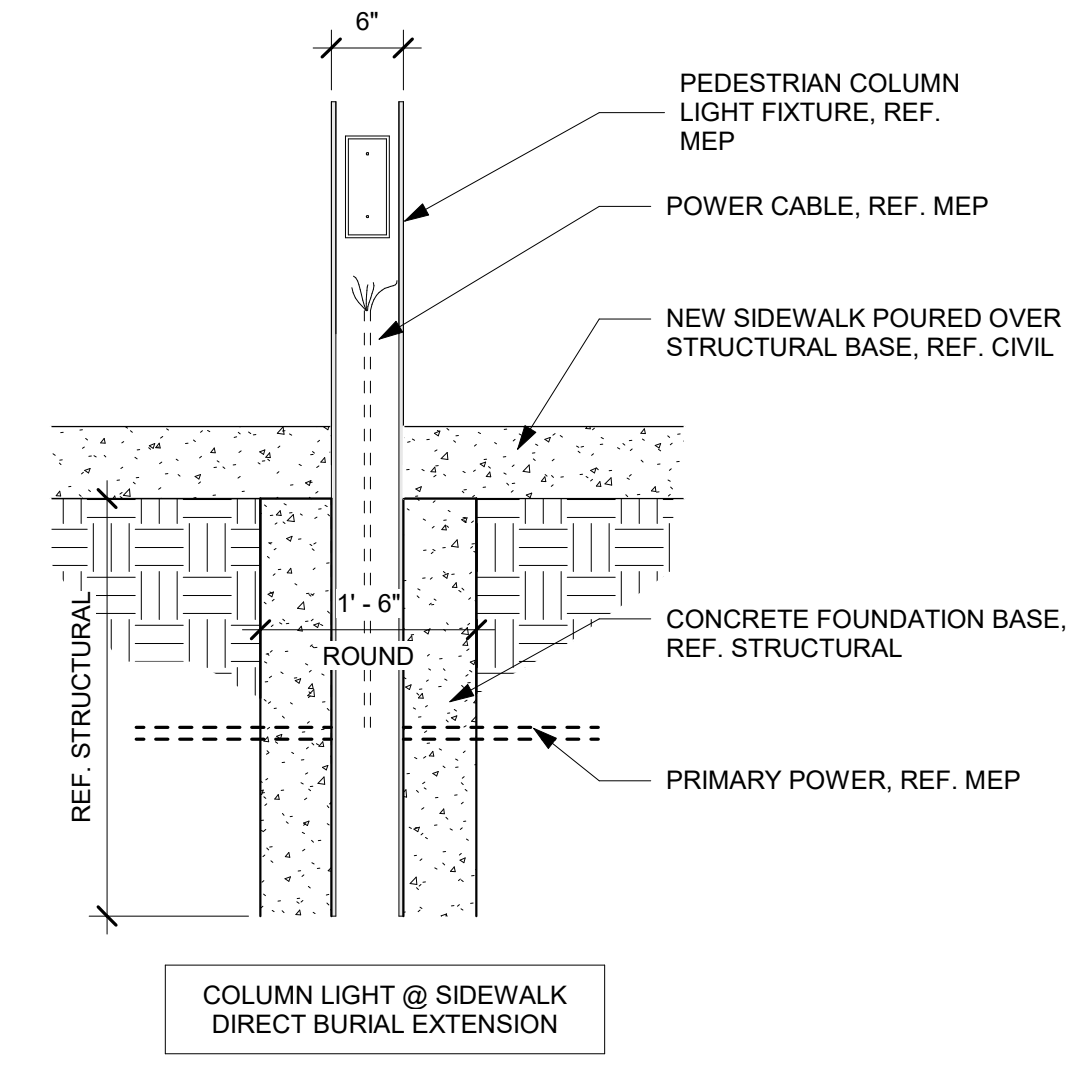
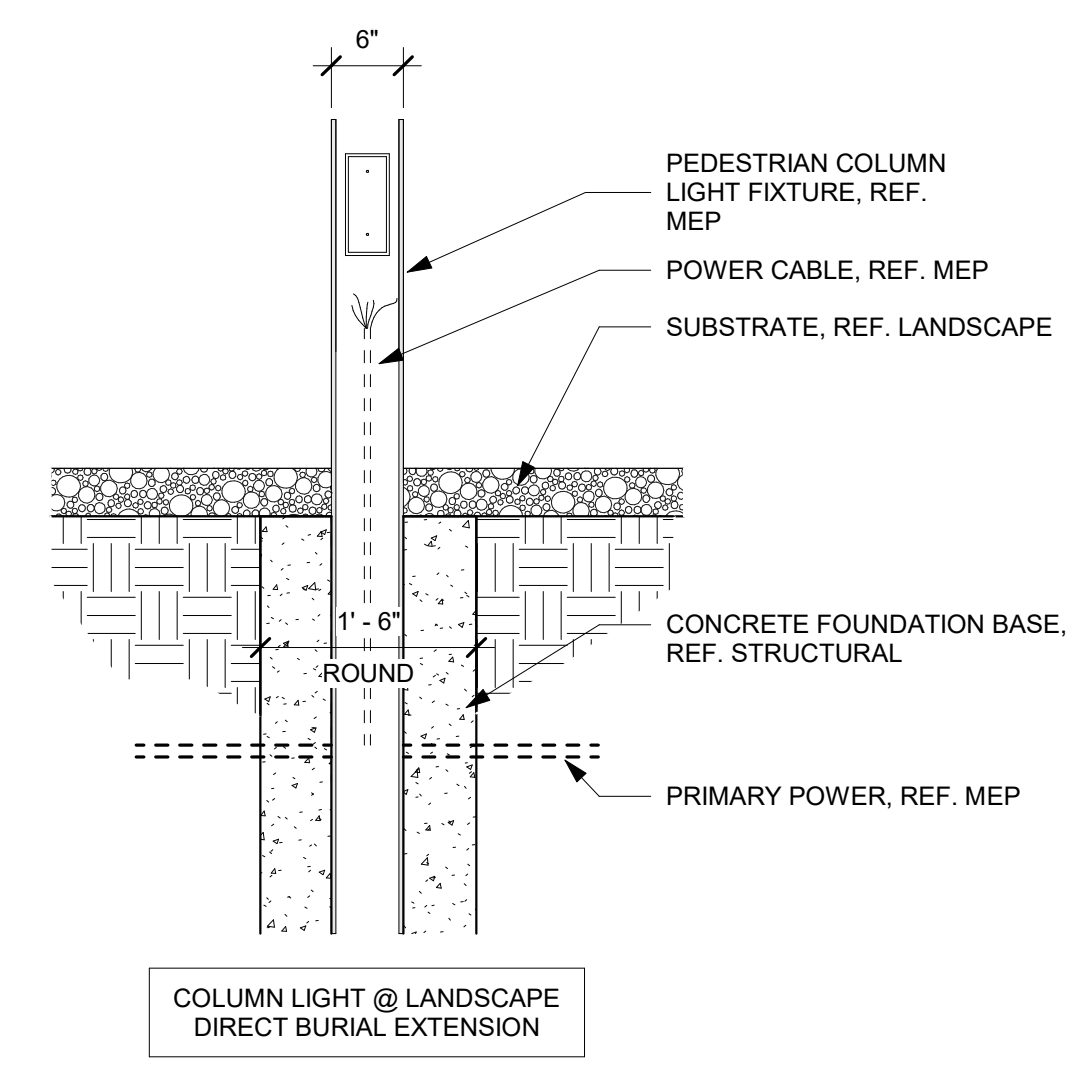
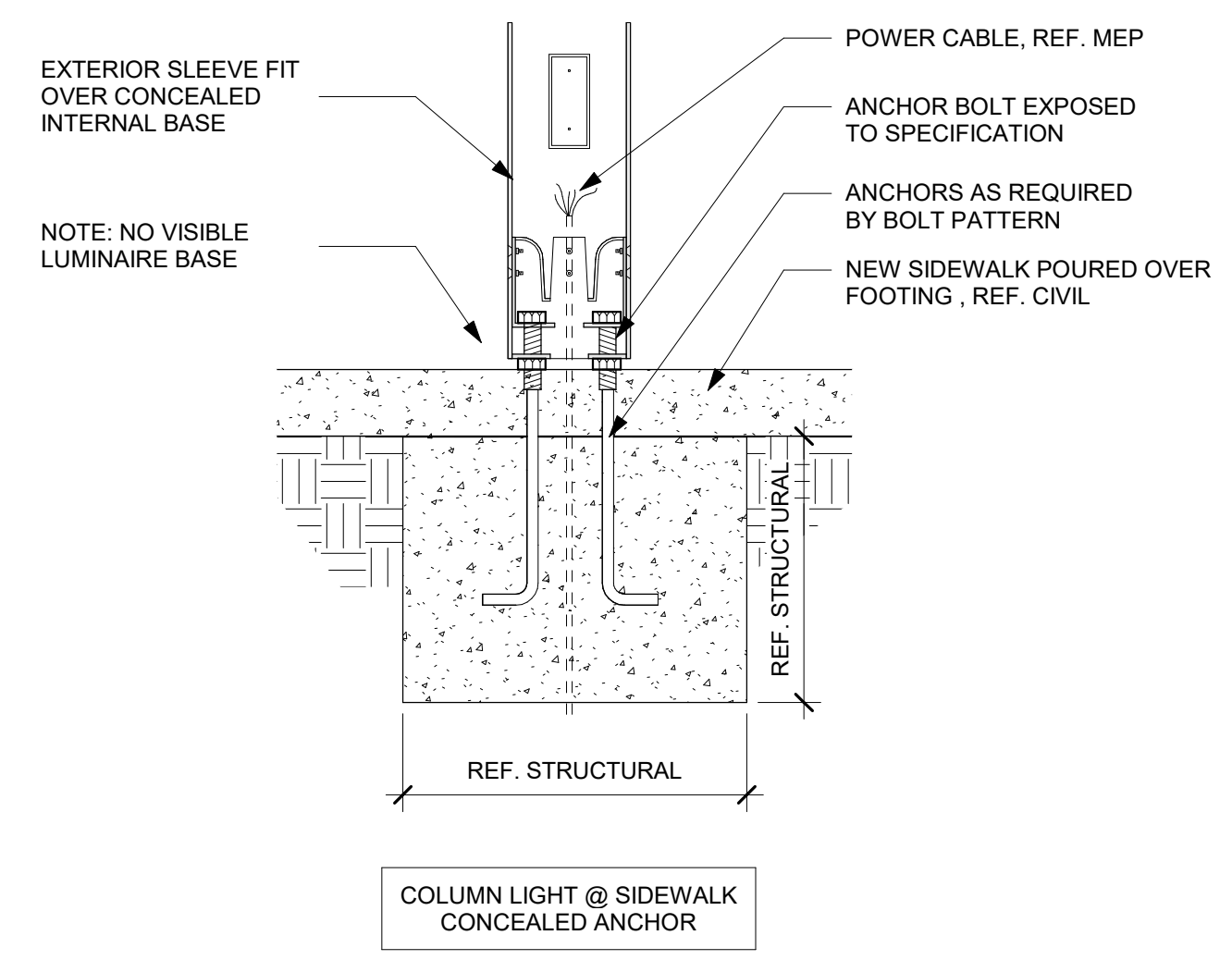
6 Transformer Pad Detail
1/2" = 1'-0"



7 Pipe Bollard
1" = 1'-0"



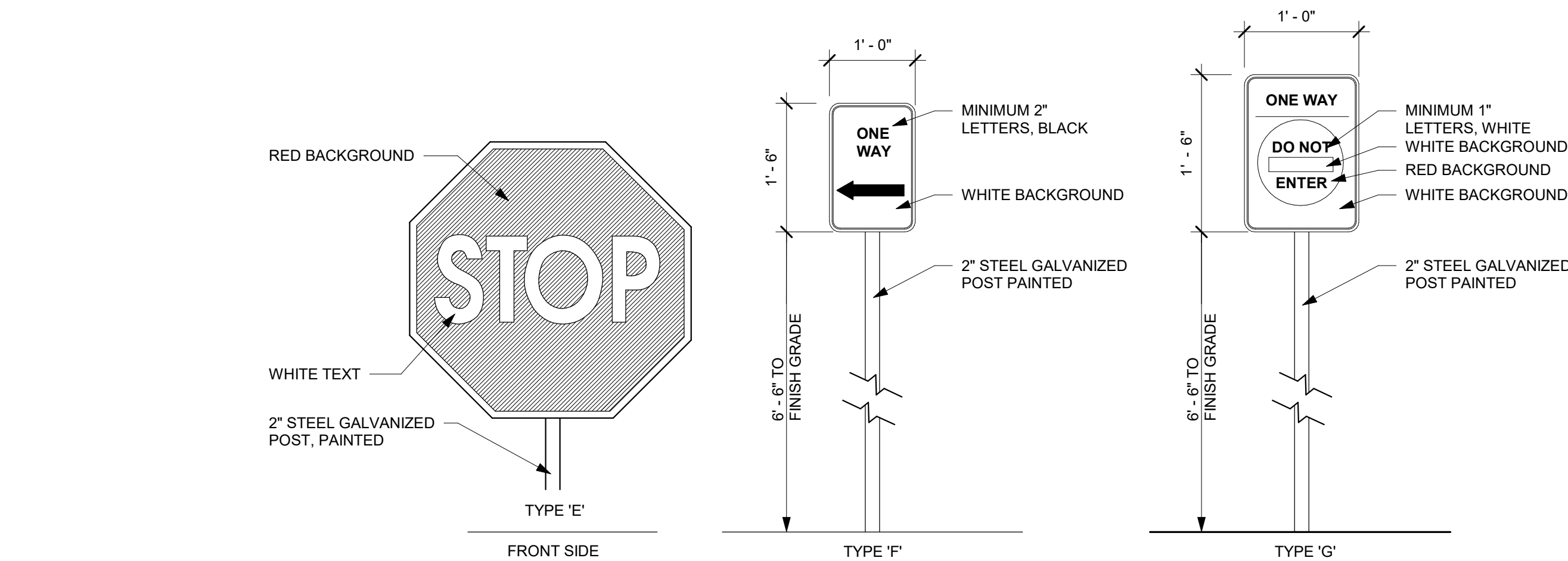
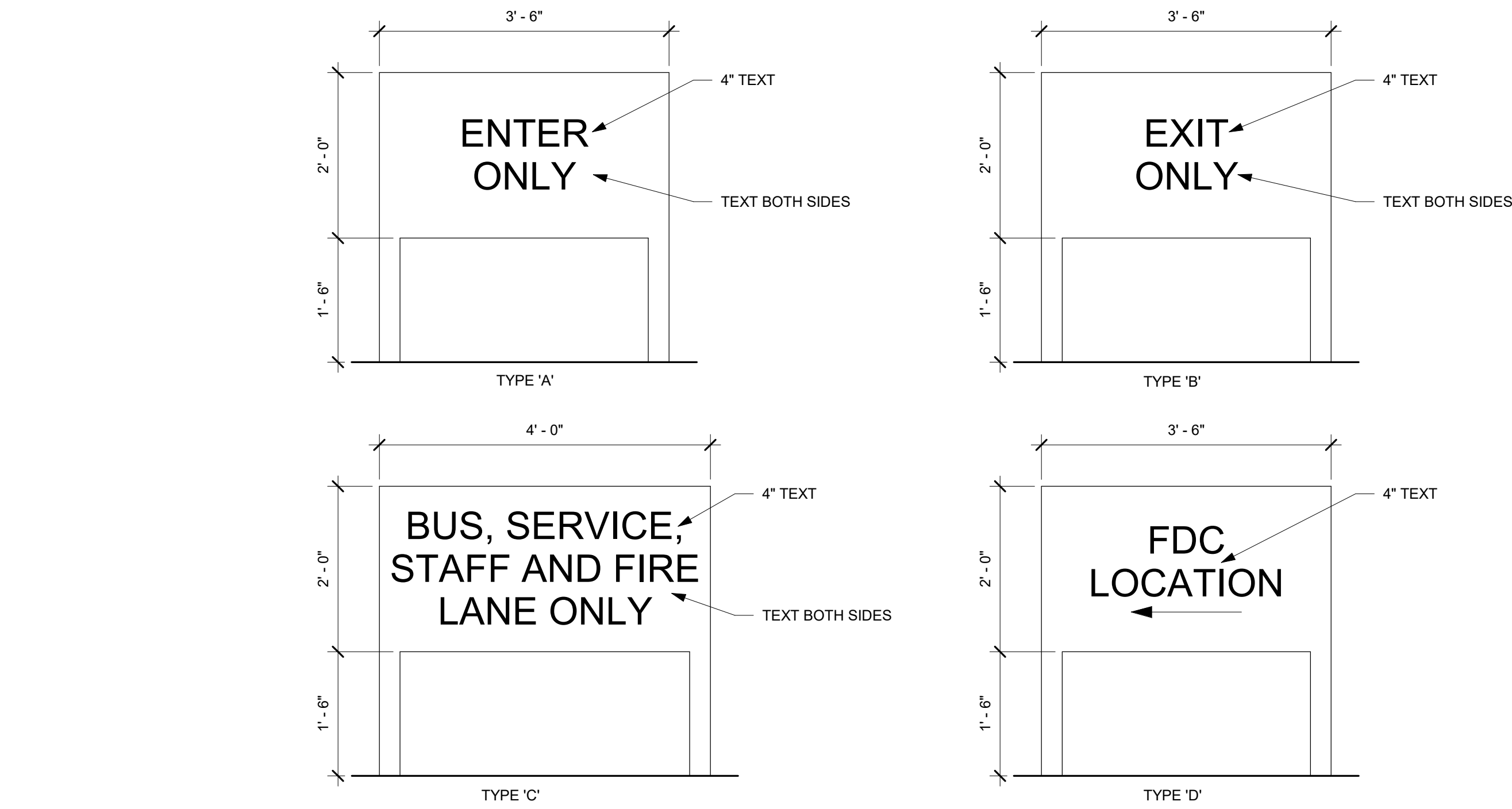
8 Column Light Base
3/4" = 1'-0"



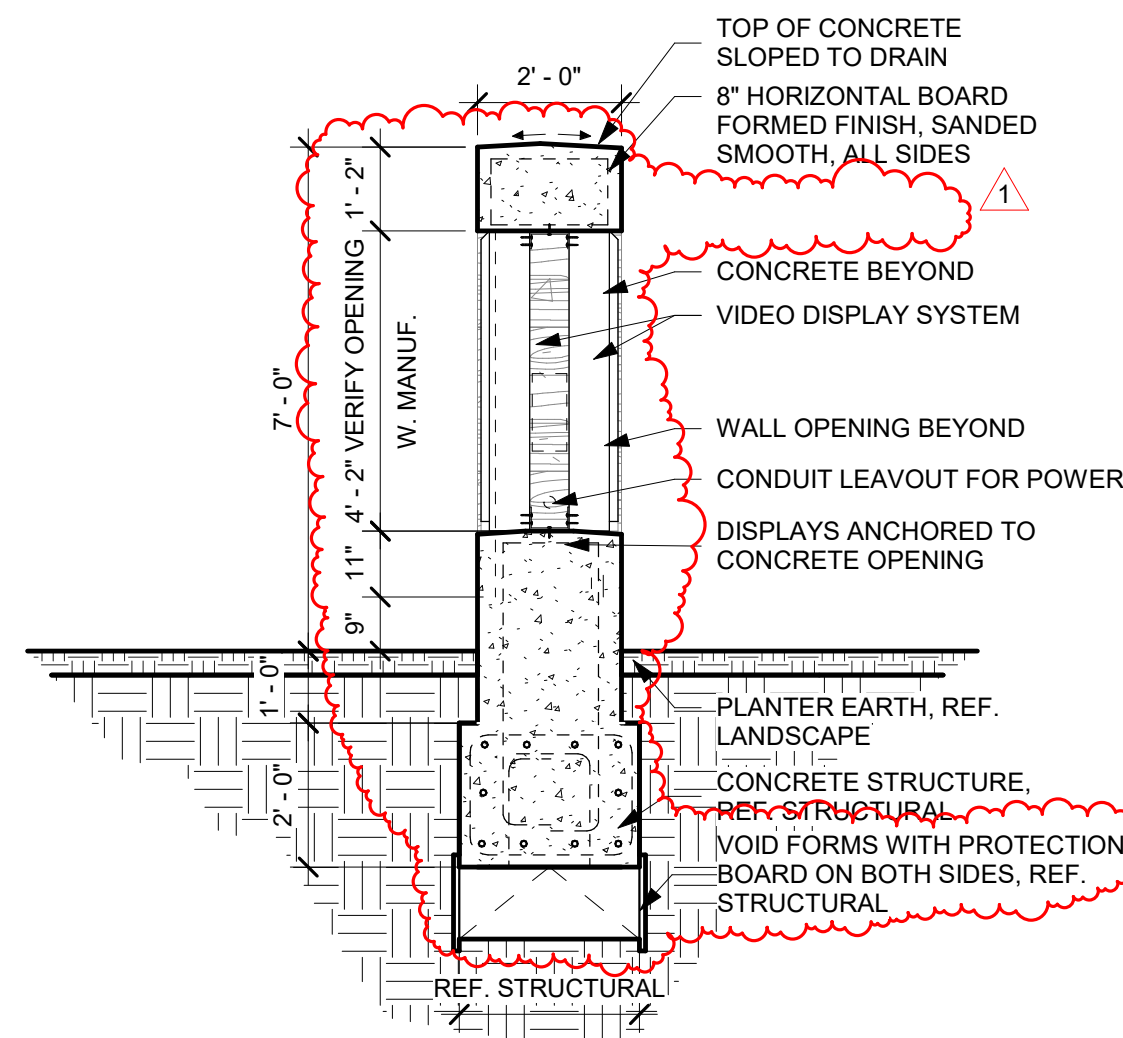
9 Flagpole
N.T.S.

REVISIONS:		No.	Date
1	Addendum #1		09/19/2024

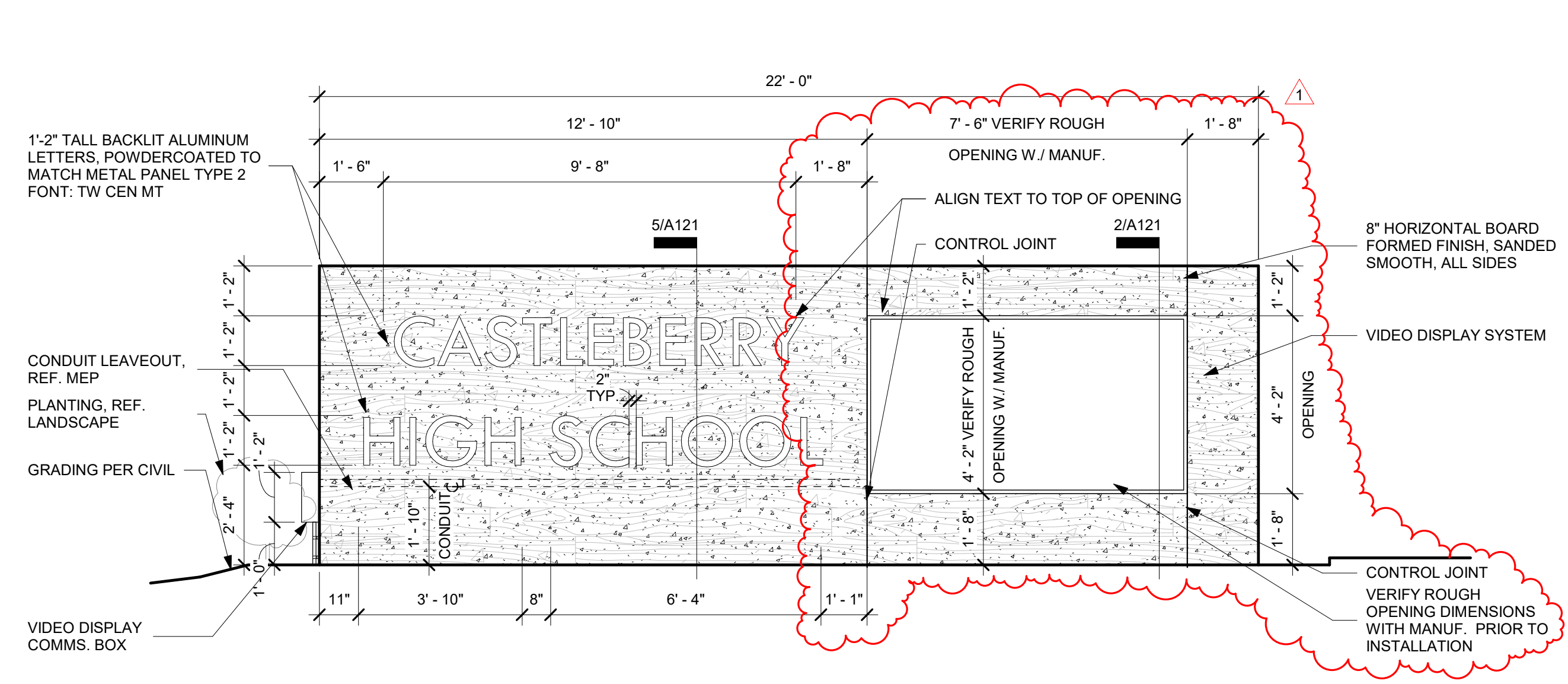
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DATE: 09/19/2024
Site Plan Details



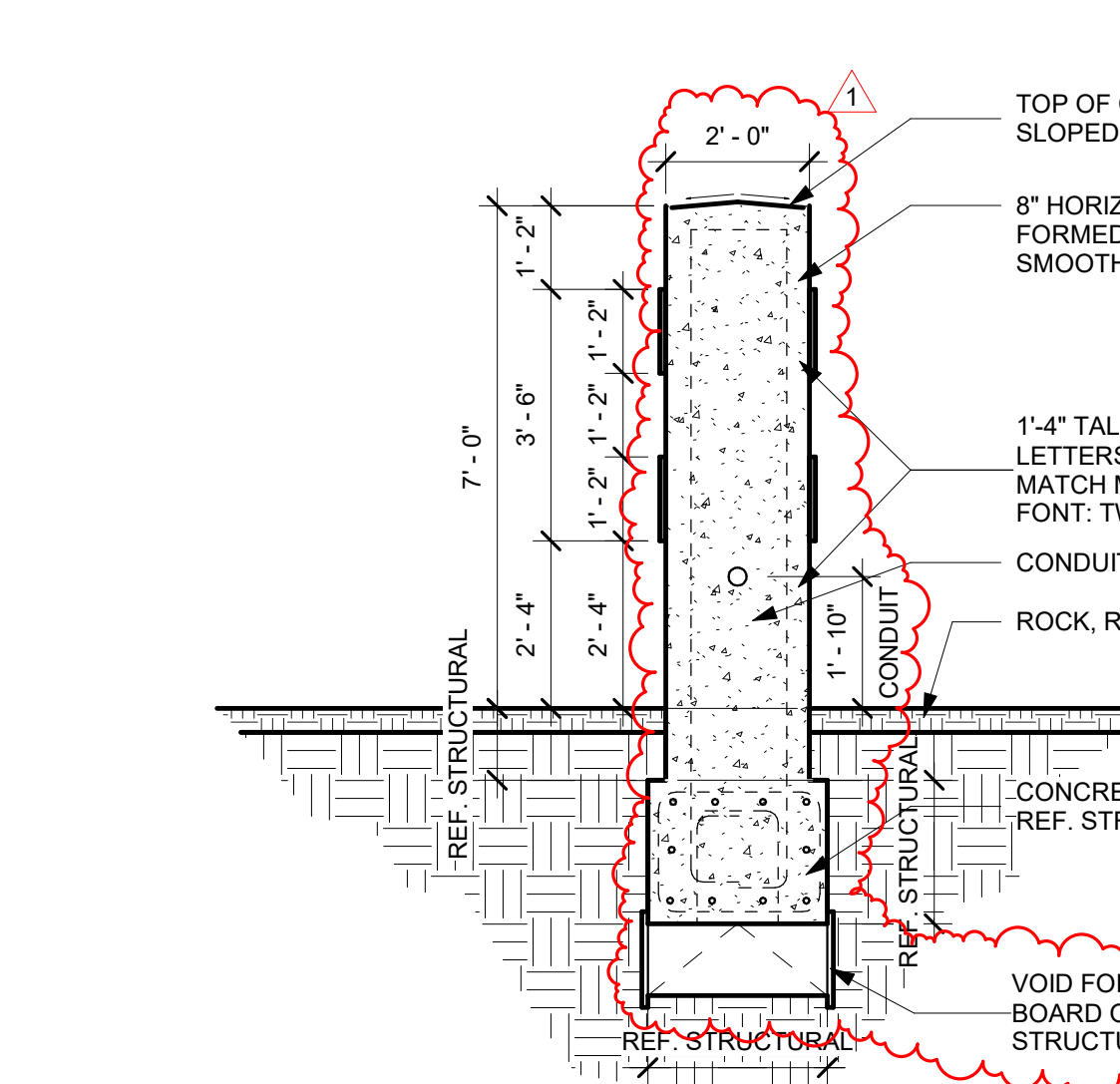
1 Signage Details
3/4" = 1'-0"



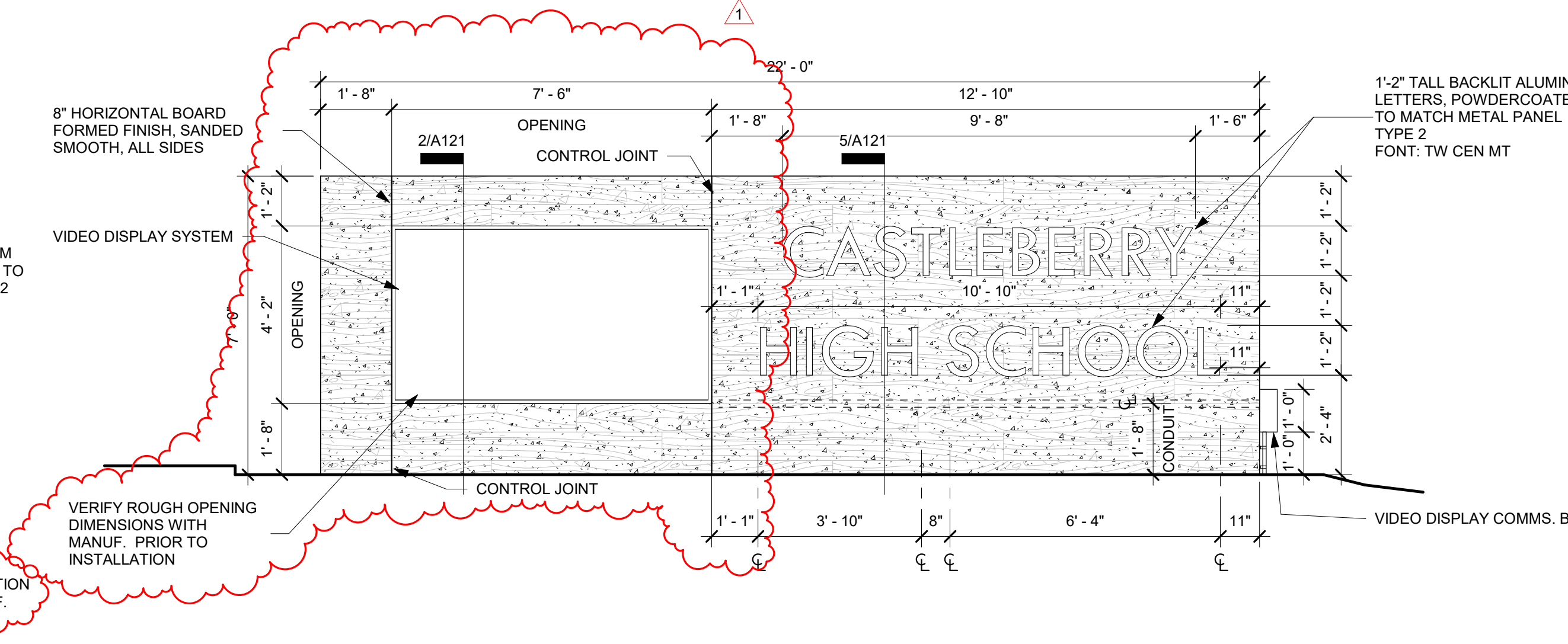
2 Marquee Signage - Section Through Display
3/8" = 1'-0"



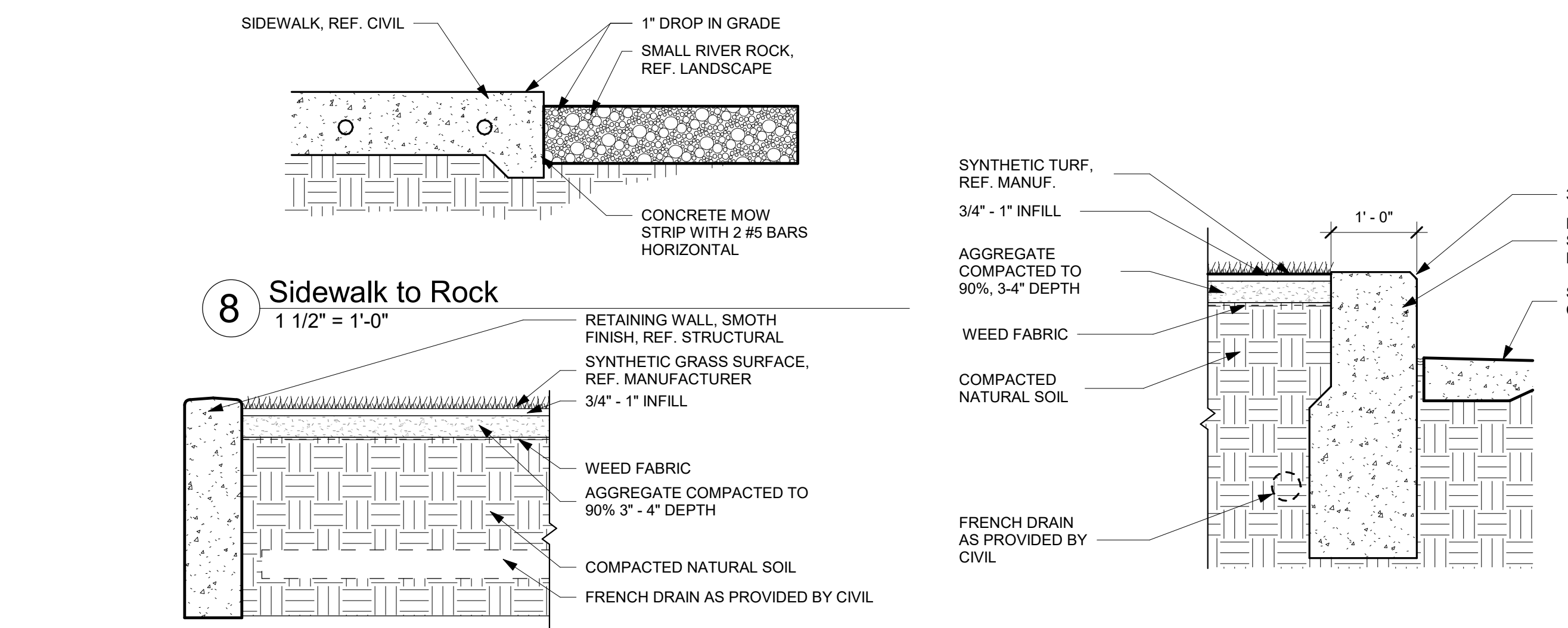
3 Marquee Elevation - East
3/8" = 1'-0"



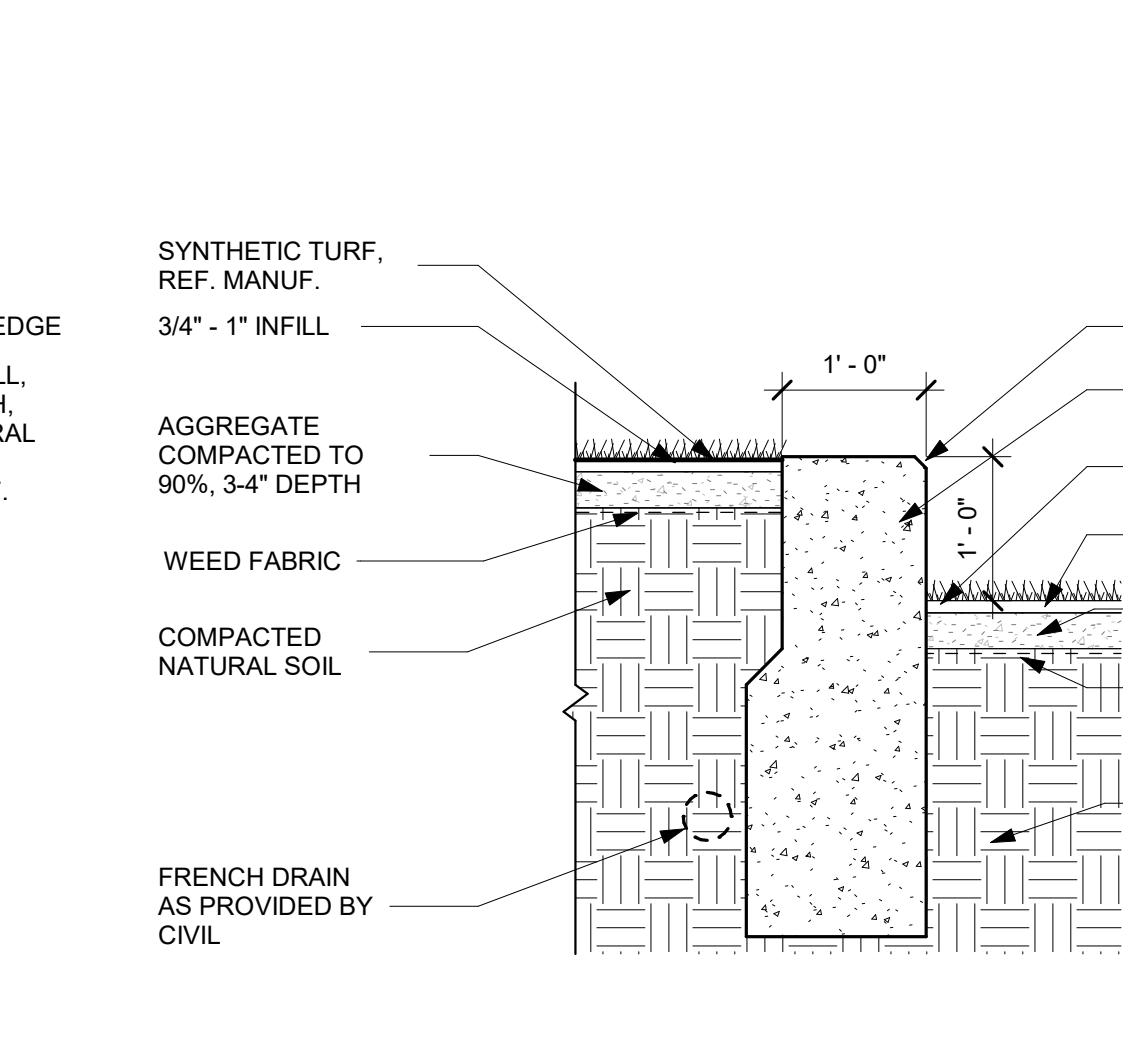
5 Marquee Signage - Section Through Wall
3/8" = 1'-0"



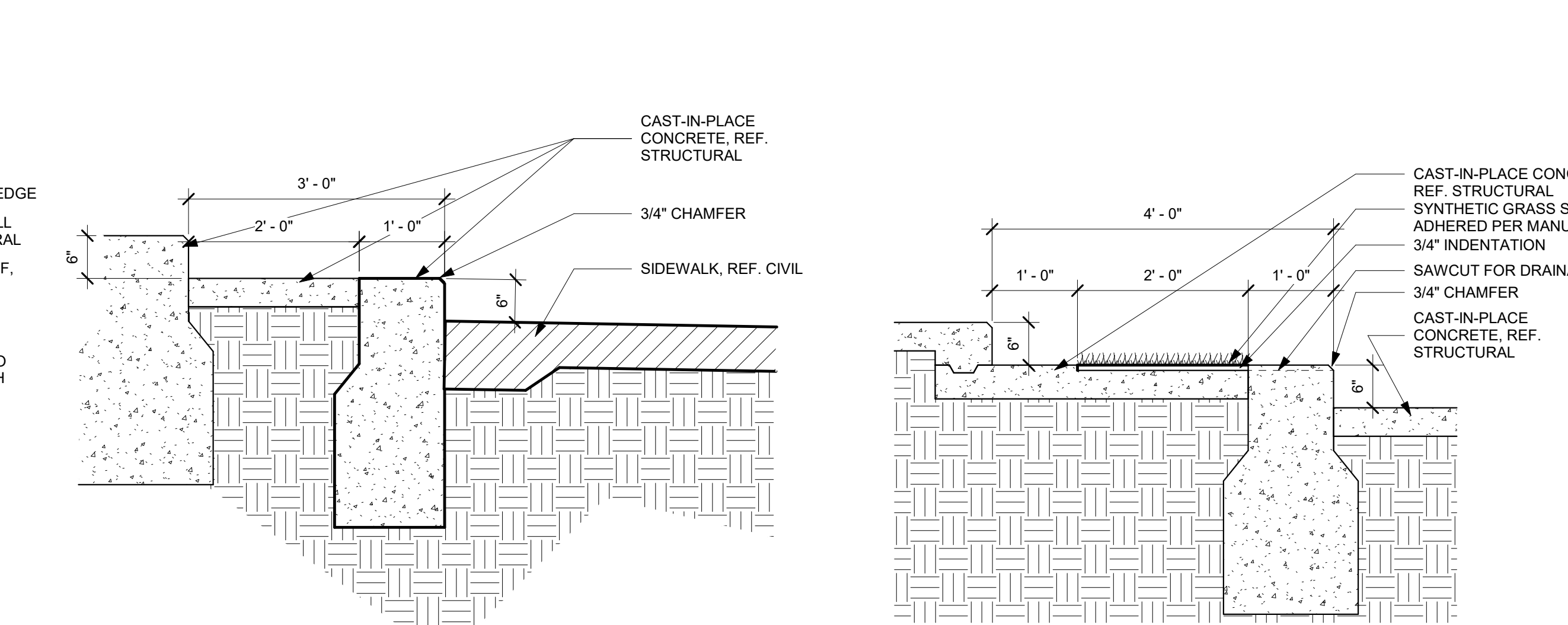
6 Marquee Elevation - West
3/8" = 1'-0"



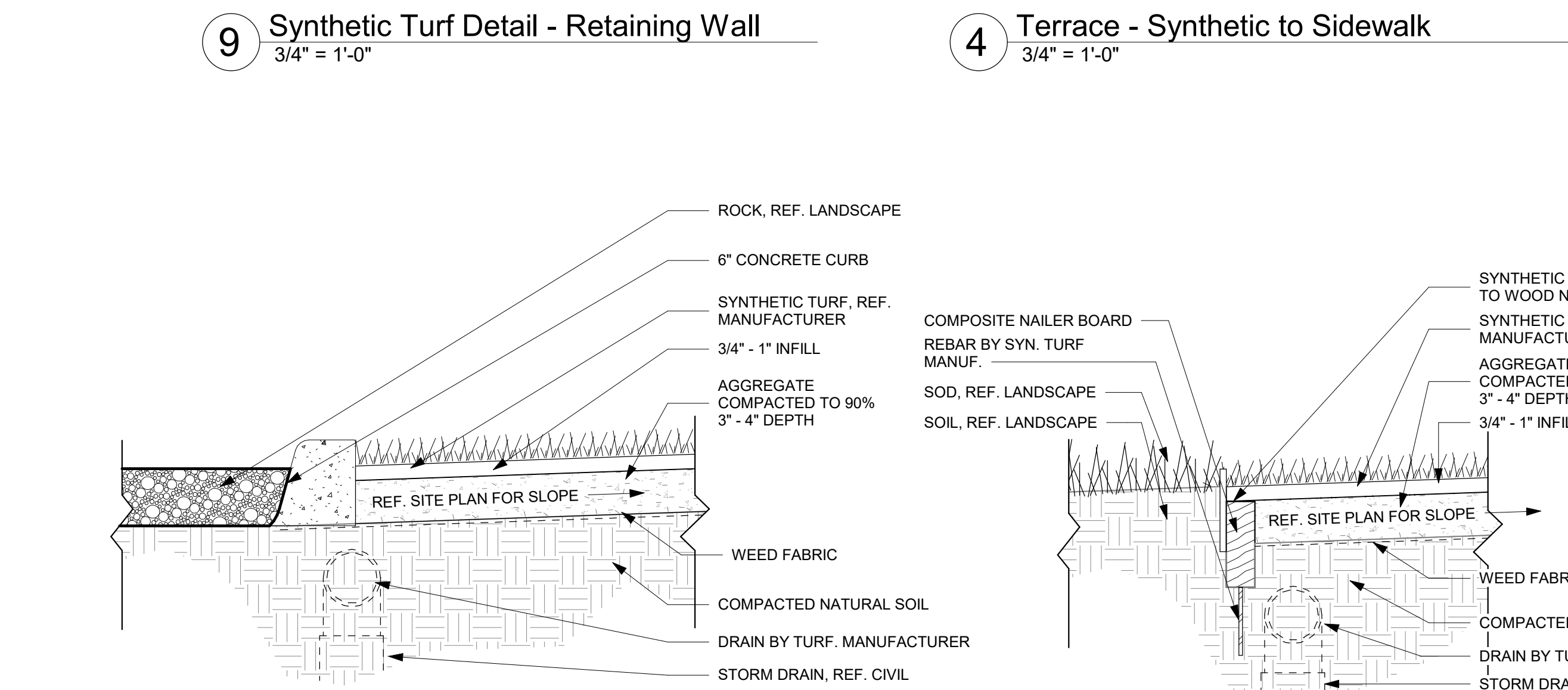
8 Sidewalk to Rock
1 1/2" = 1'-0"



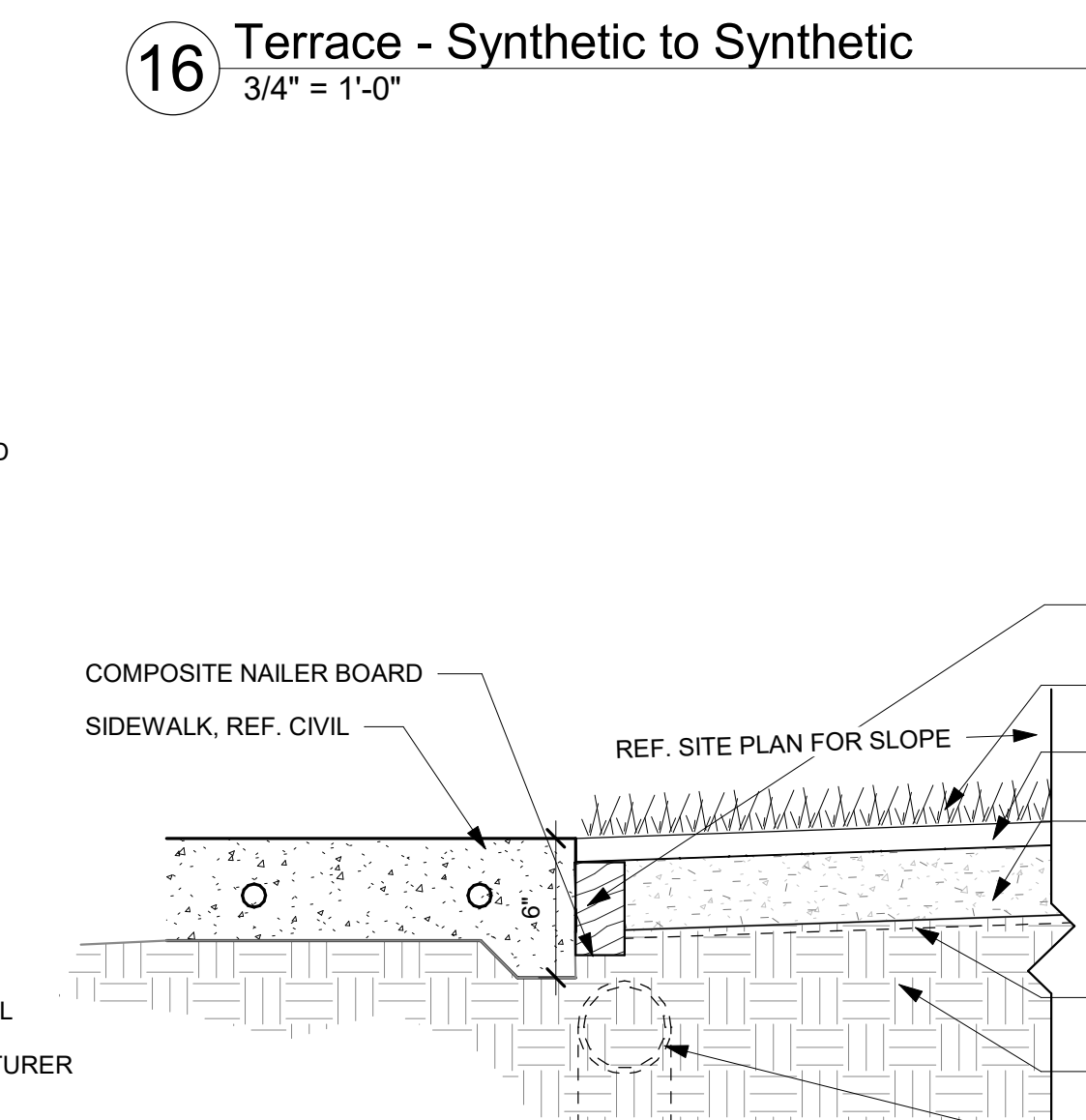
16 Terrace - Synthetic to Synthetic
3/4" = 1'-0"



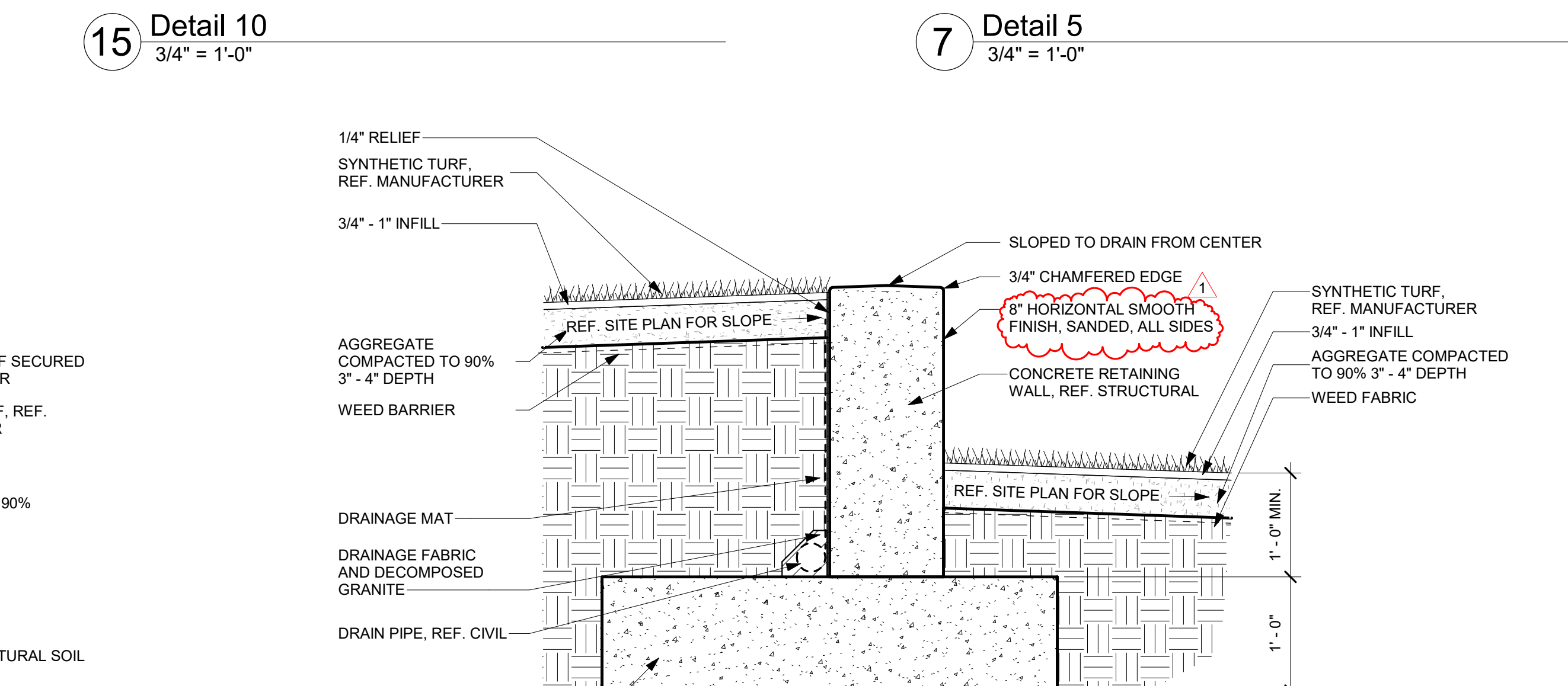
15 Detail 10
3/4" = 1'-0"



9 Synthetic Turf Detail - Retaining Wall
3/4" = 1'-0"



4 Terrace - Synthetic to Sidewalk
3/4" = 1'-0"



7 Detail 5
3/4" = 1'-0"



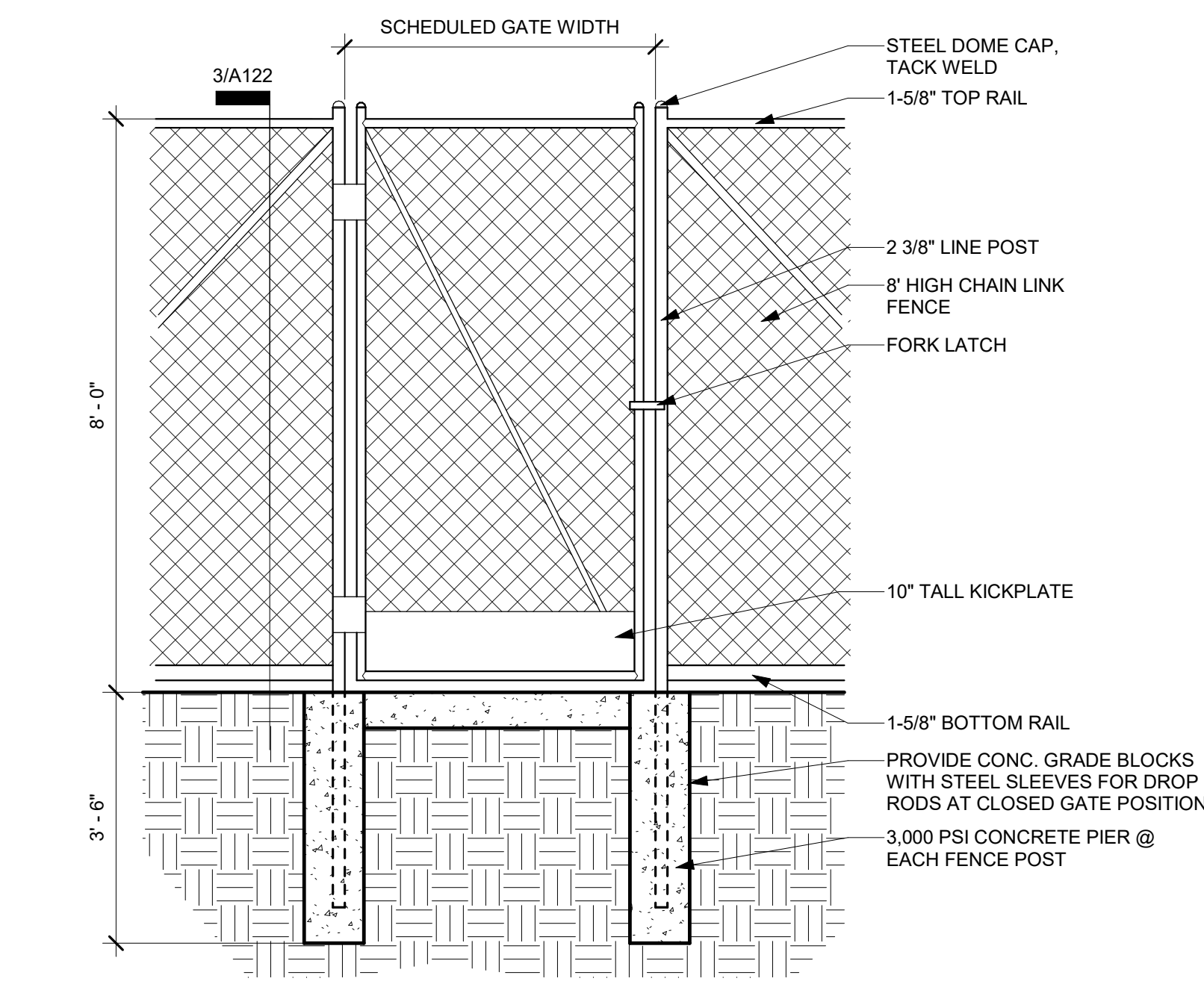
13 Grass to Synthetic Turf
1 1/2" = 1'-0"



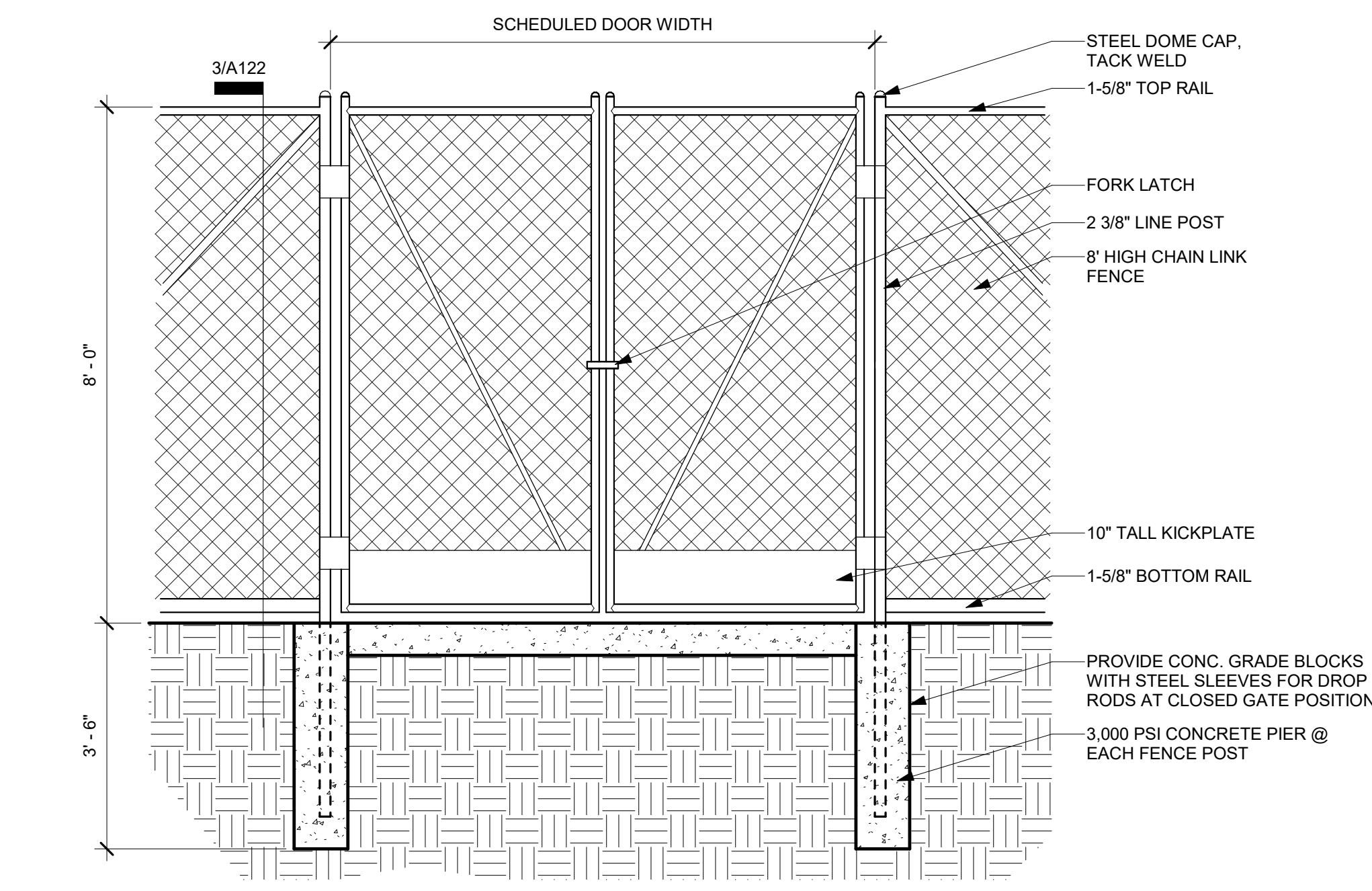
11 Sidewalk to Synthetic Turf
1 1/2" = 1'-0"



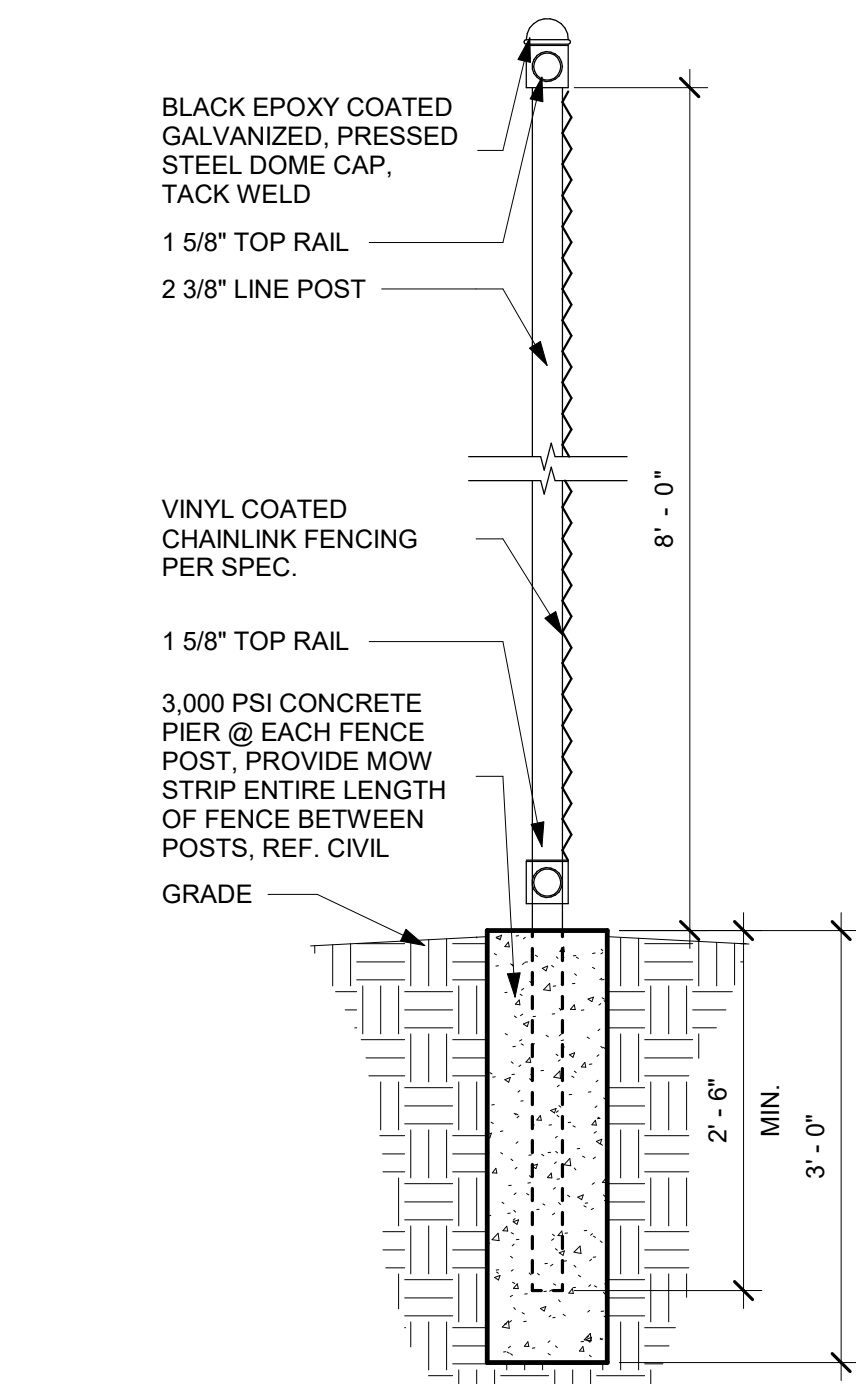
14 Concrete Wall Detail
1" = 1'-0"



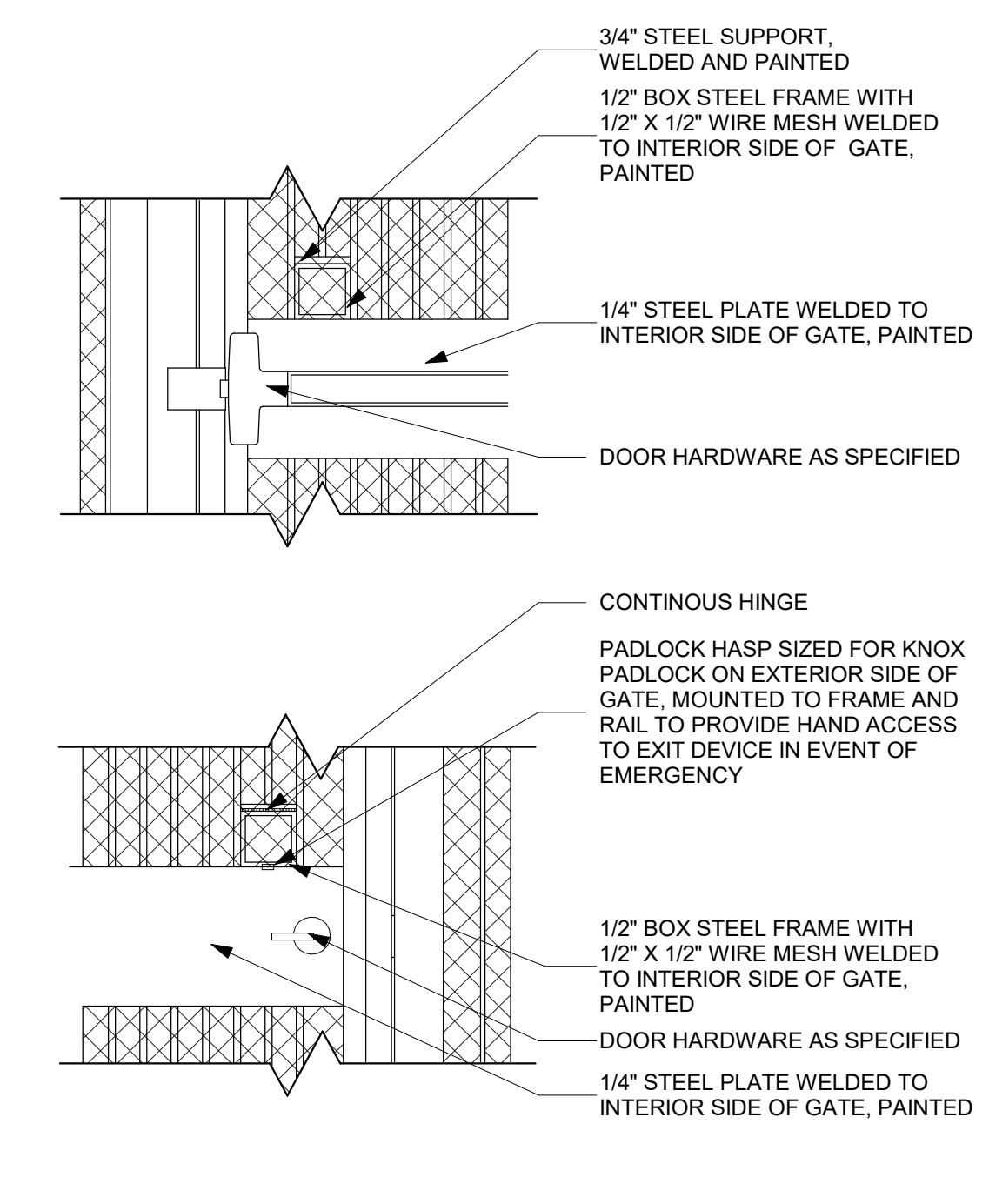
1 Single Pedestrian Chainlink Gate And Fence
1/2" = 1'-0"



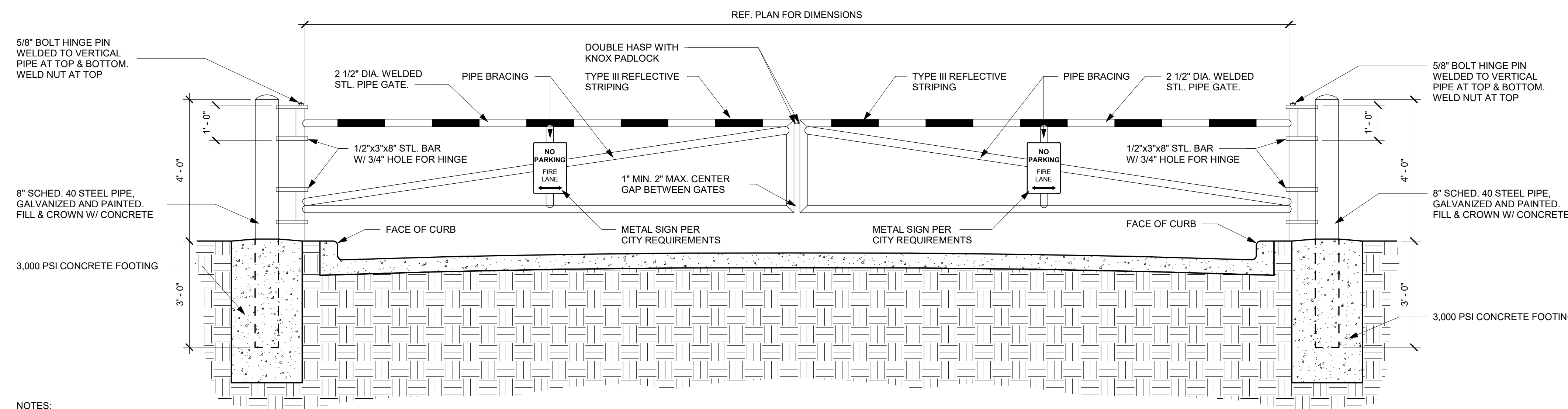
2 Double Pedestrian Chainlink Gate And Fence
1/2" = 1'-0"



3 Chain Link Fence
3/4" = 1'-0"

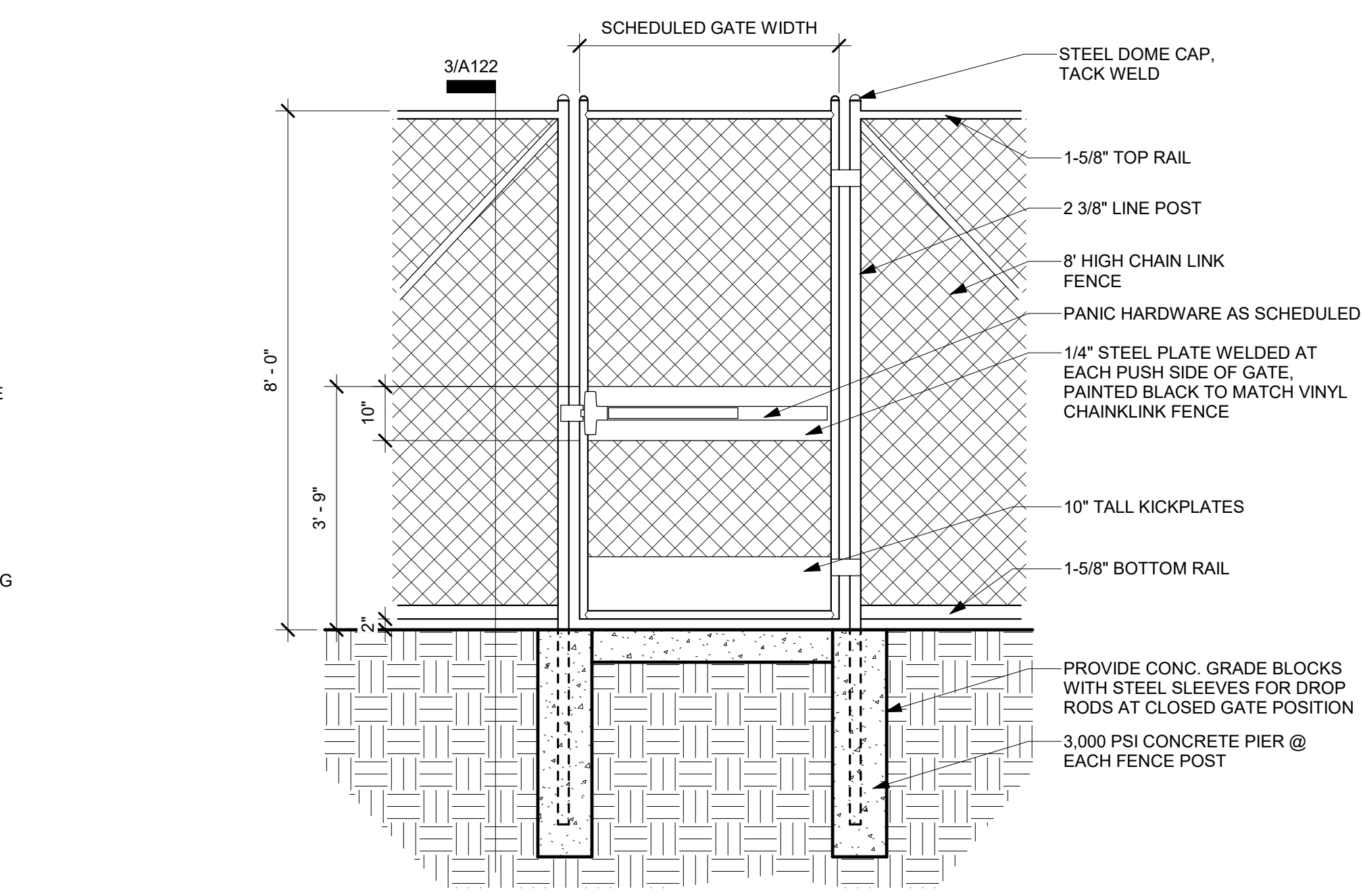


4 Chainlink Padlock Detail
1" = 1'-0"

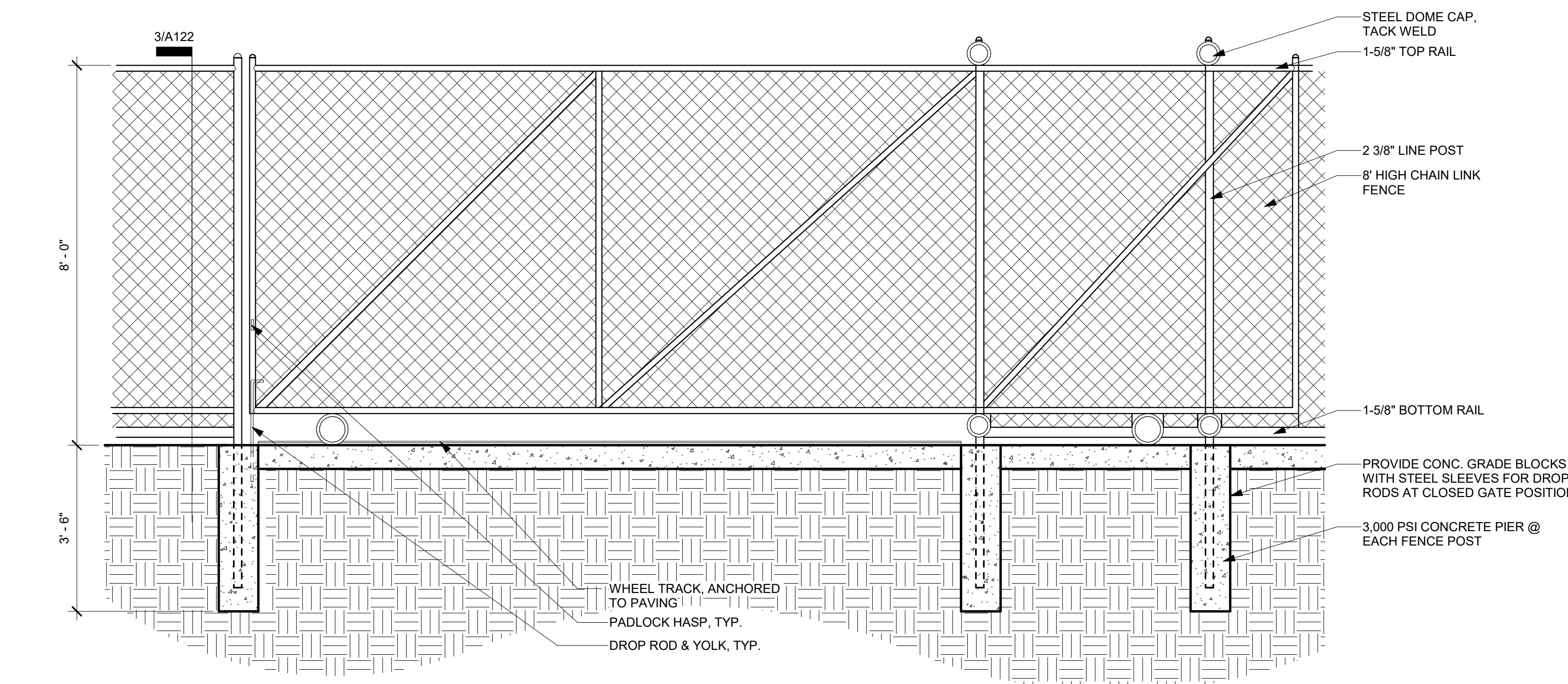


- NOTES:
1. ALL PIPE SHALL BE SCHEDULE 40, GALVANIZED STEEL PIPE.
 2. ALL MATERIALS SHALL BE HOT DIPPED, GALVANIZED GRAY AND PAINTED WHITE.
 3. ALL WELDS SHALL BE GRINDING SMOOTH AND PAINTED.
 4. ALL EXPOSED STEEL SHALL BE PAINTED.
 5. CONTRACTOR TO INSTALL "NO PARKING/FIRE LANE" SIGN ON EACH SIDE OF BOTH GATES. (4 TOTAL).
 6. COORDINATE INSTALLATION OF KNOX PADLOCK WITH CITY OF RIVER OAKS FIRE DEPARTMENT.
 7. CONTRACTOR TO INSTALL ALTERNATING 16" WIDE RED/WHITE TYPE III REFLECTIVE STRIPING ON BOTH SIDES OF TOP BAR OF GATE.

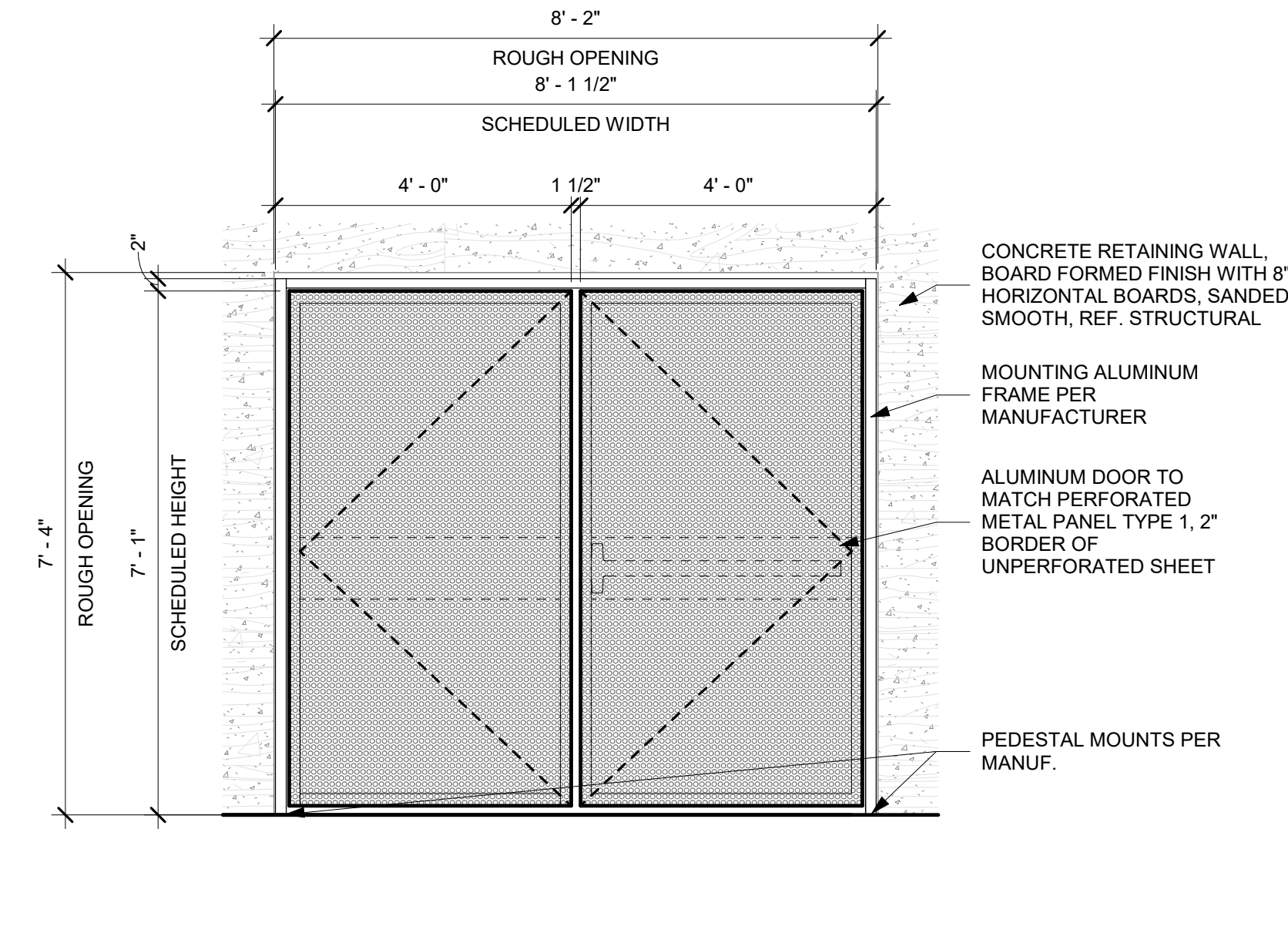
5 Vehicular Barrier Gate - Double
1/2" = 1'-0"



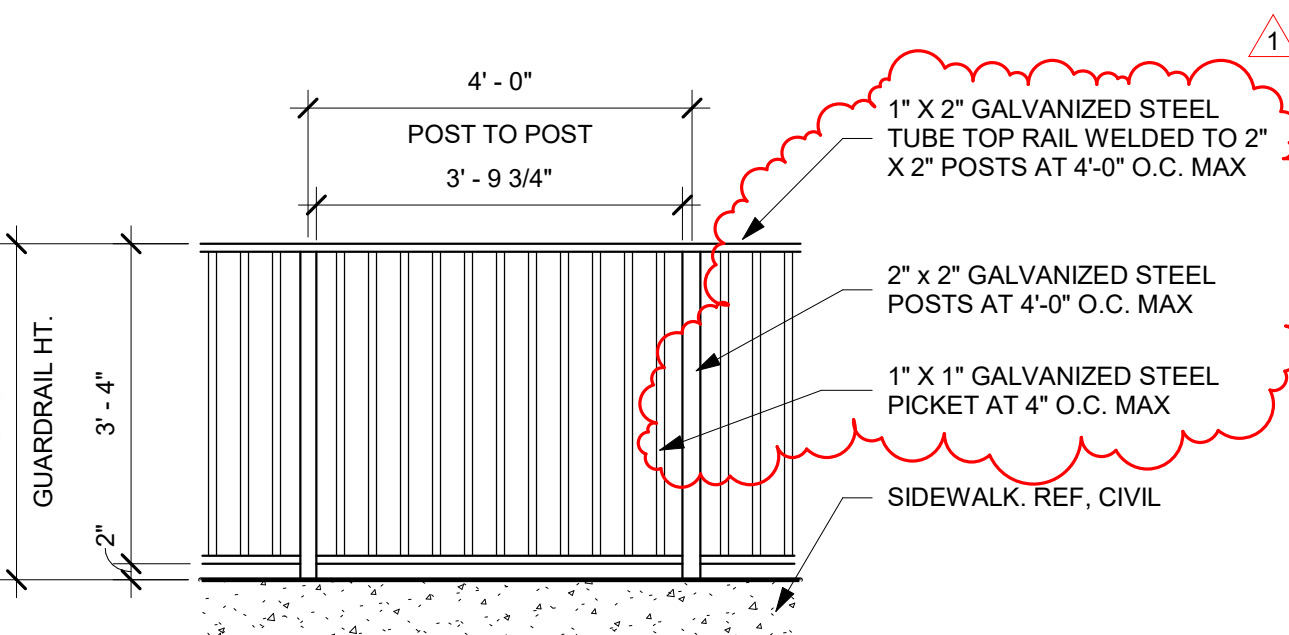
6 Chainlink Pedestrian Gate
1/2" = 1'-0"



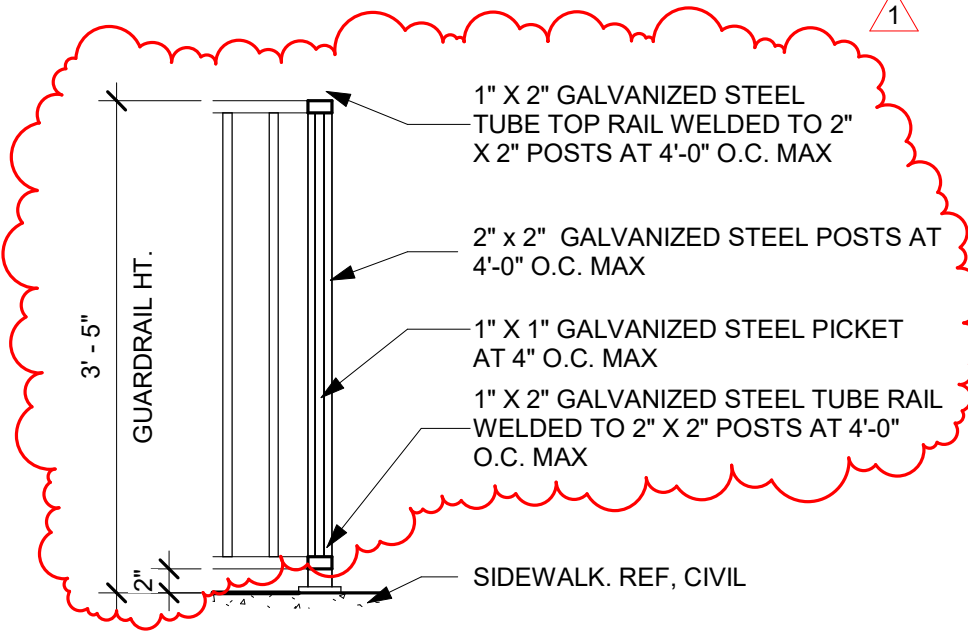
7 Sliding Cantilever Chain Link Gate
1/2" = 1'-0"



8 Elevation - Site Wall - South - Gate Elevation
1/2" = 1'-0"



10 Standard Exterior Guardrail - Elevation
1/2" = 1'-0"

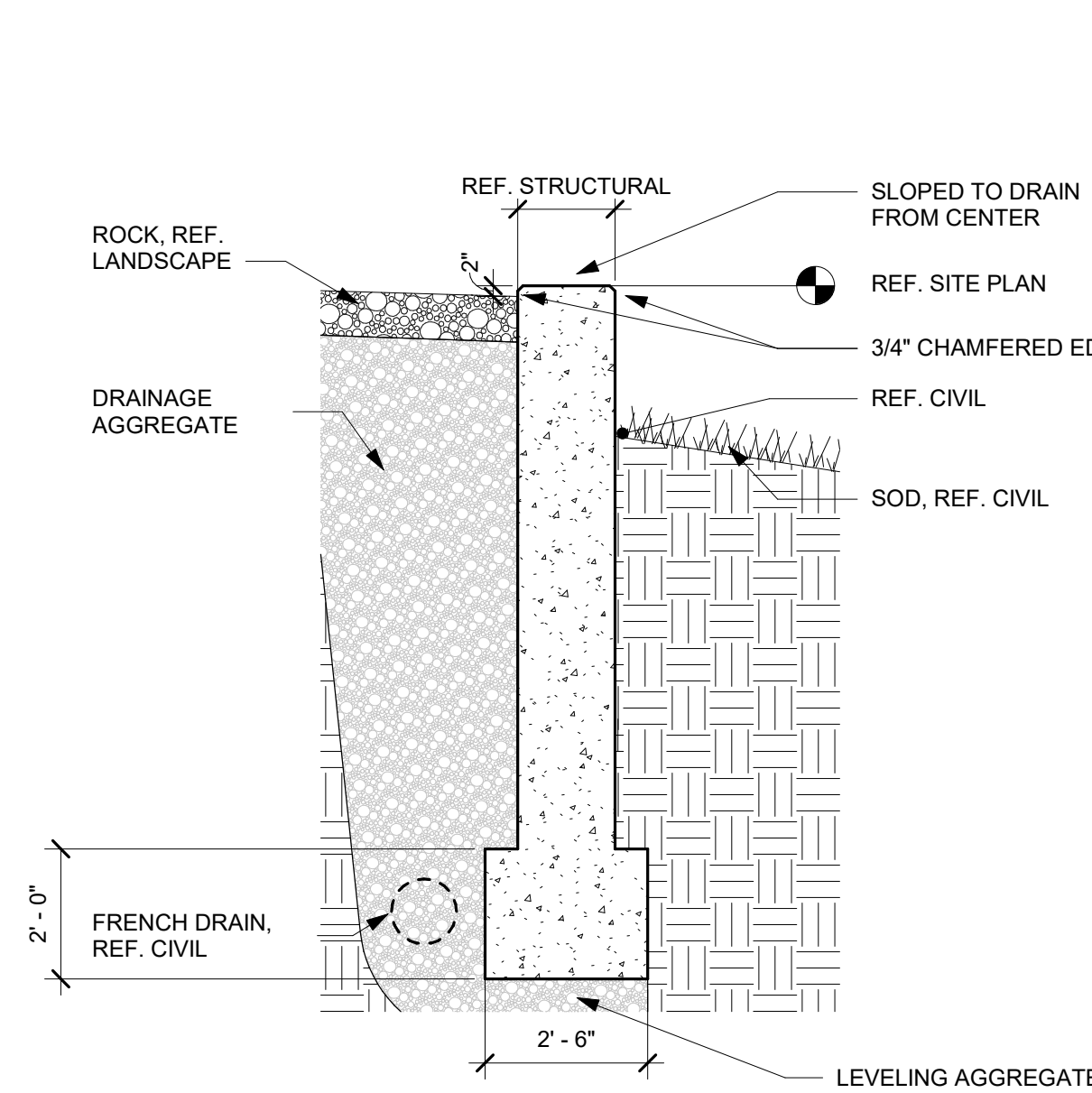


9 Exterior Guardrail - Section
3/4" = 1'-0"

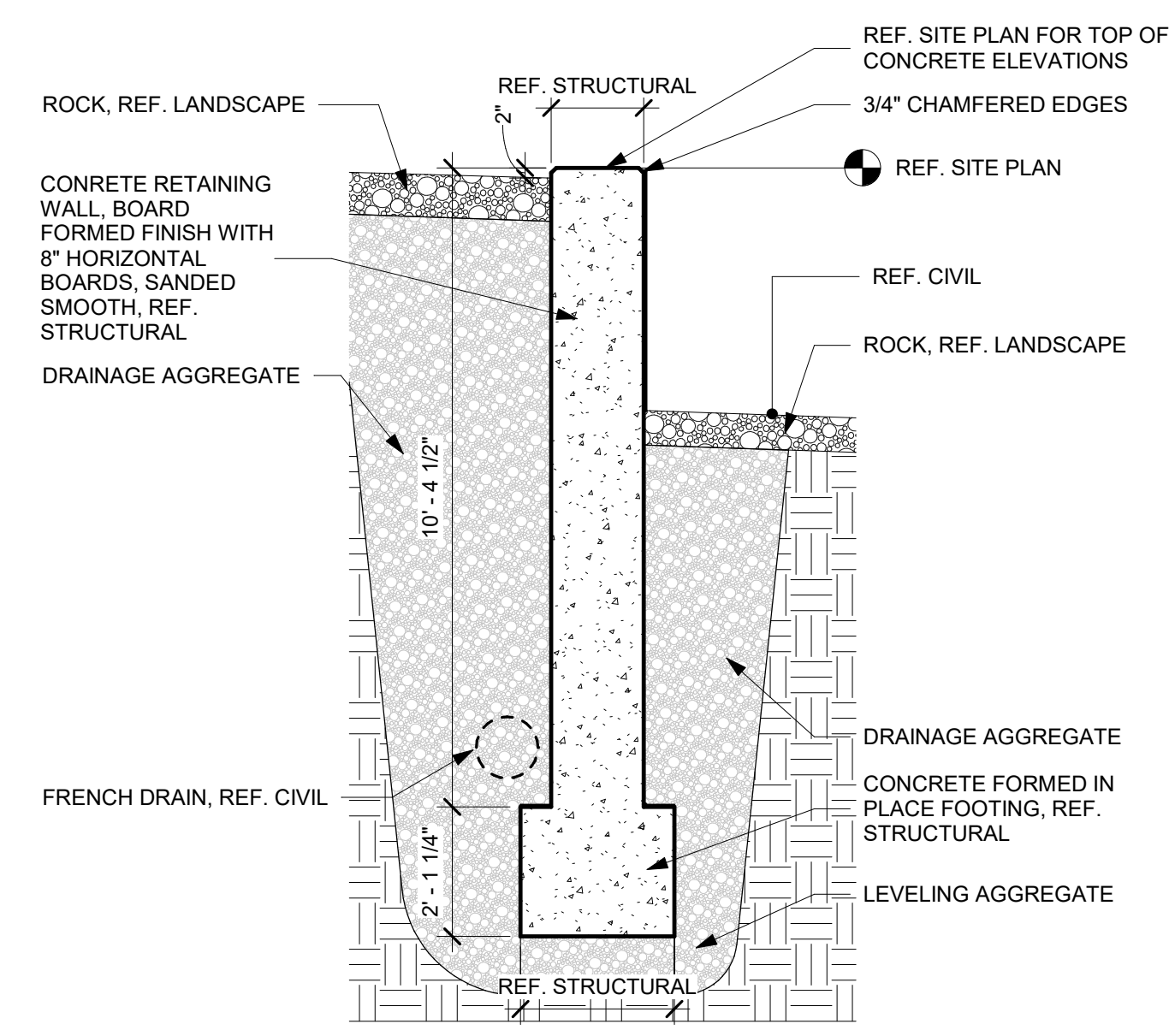
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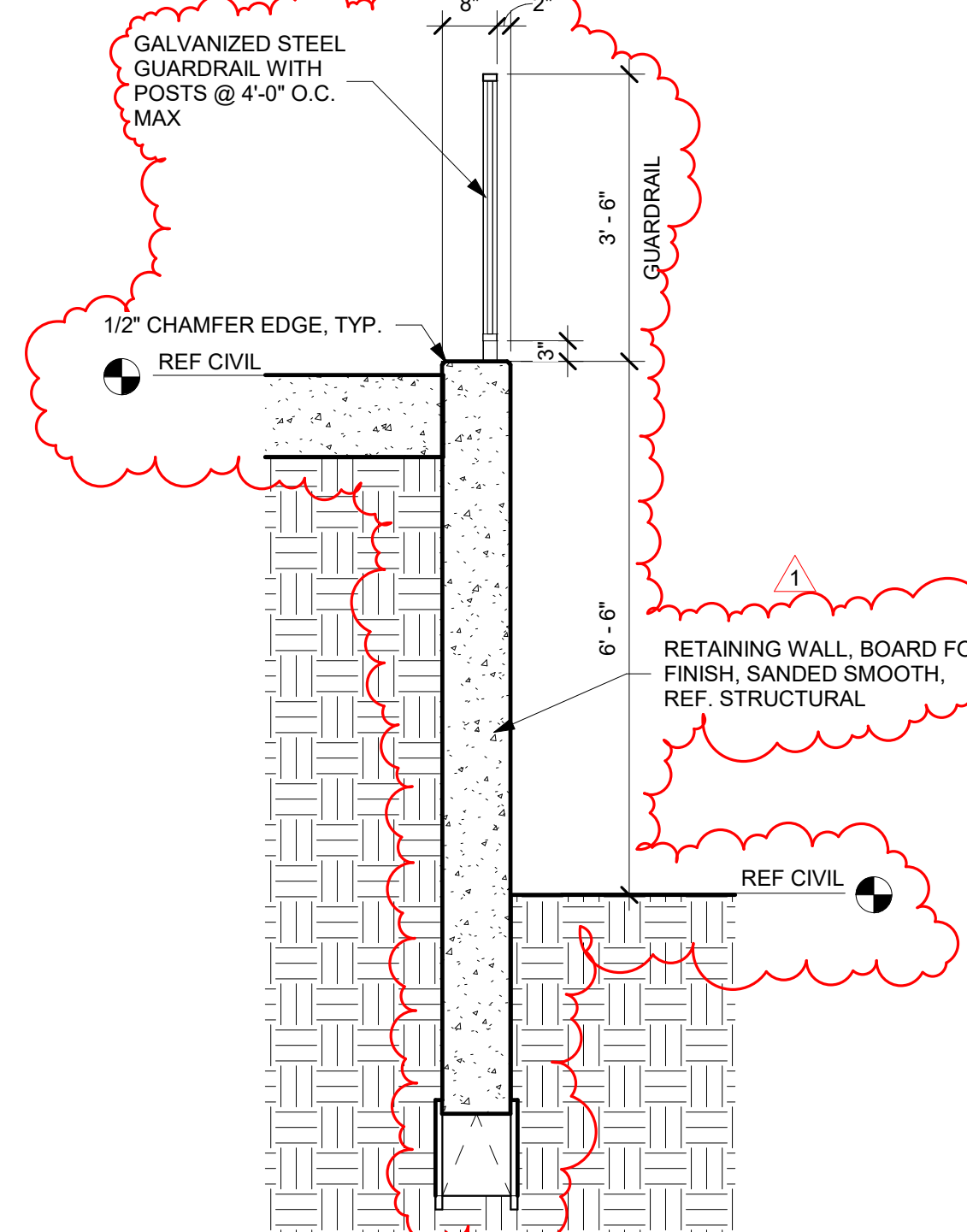
JOB NO.	2399
DATE:	09/19/2024
Site Plan Details	



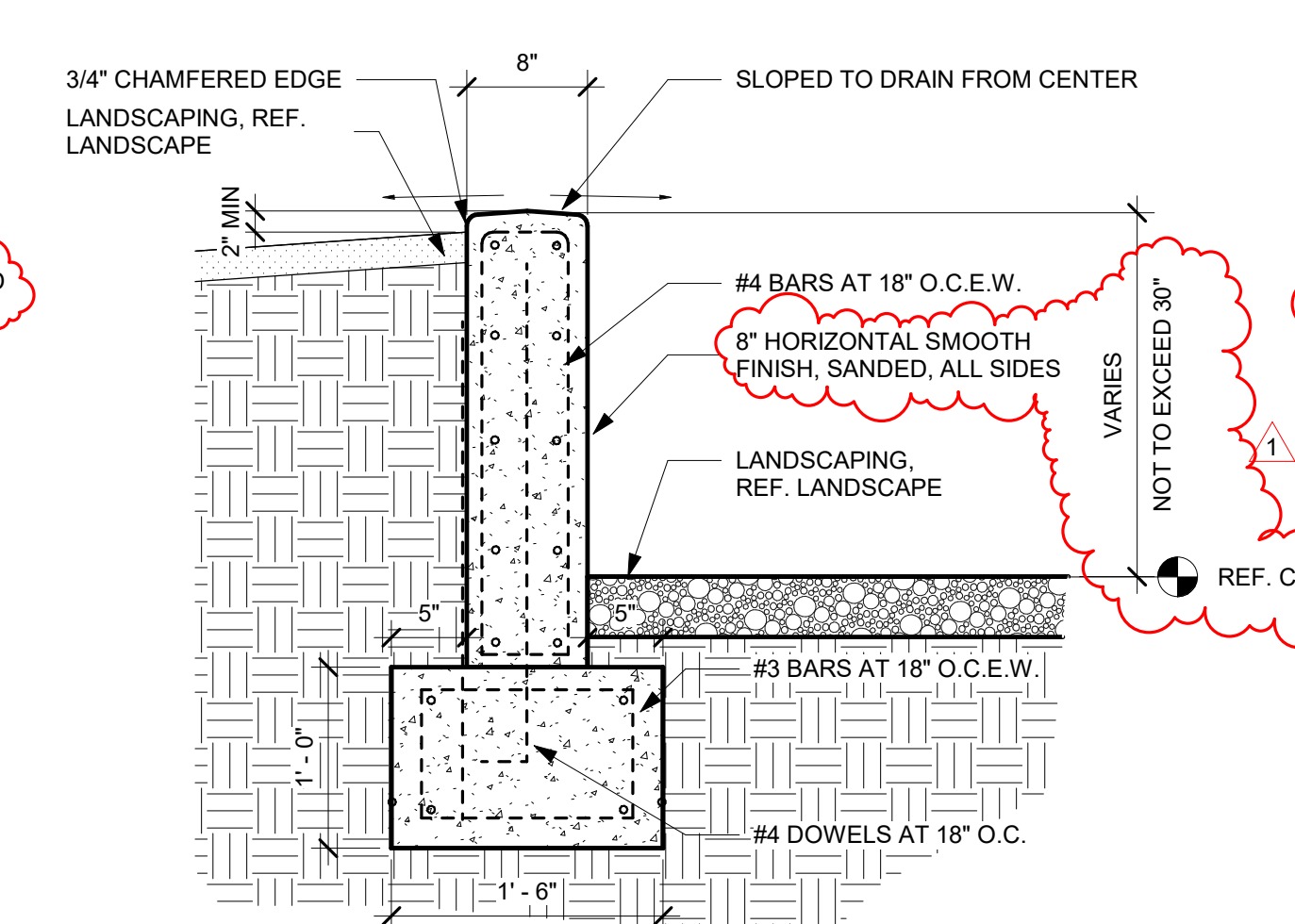
1 Concrete Wall - Rock to Grass
3/8" = 1'-0"



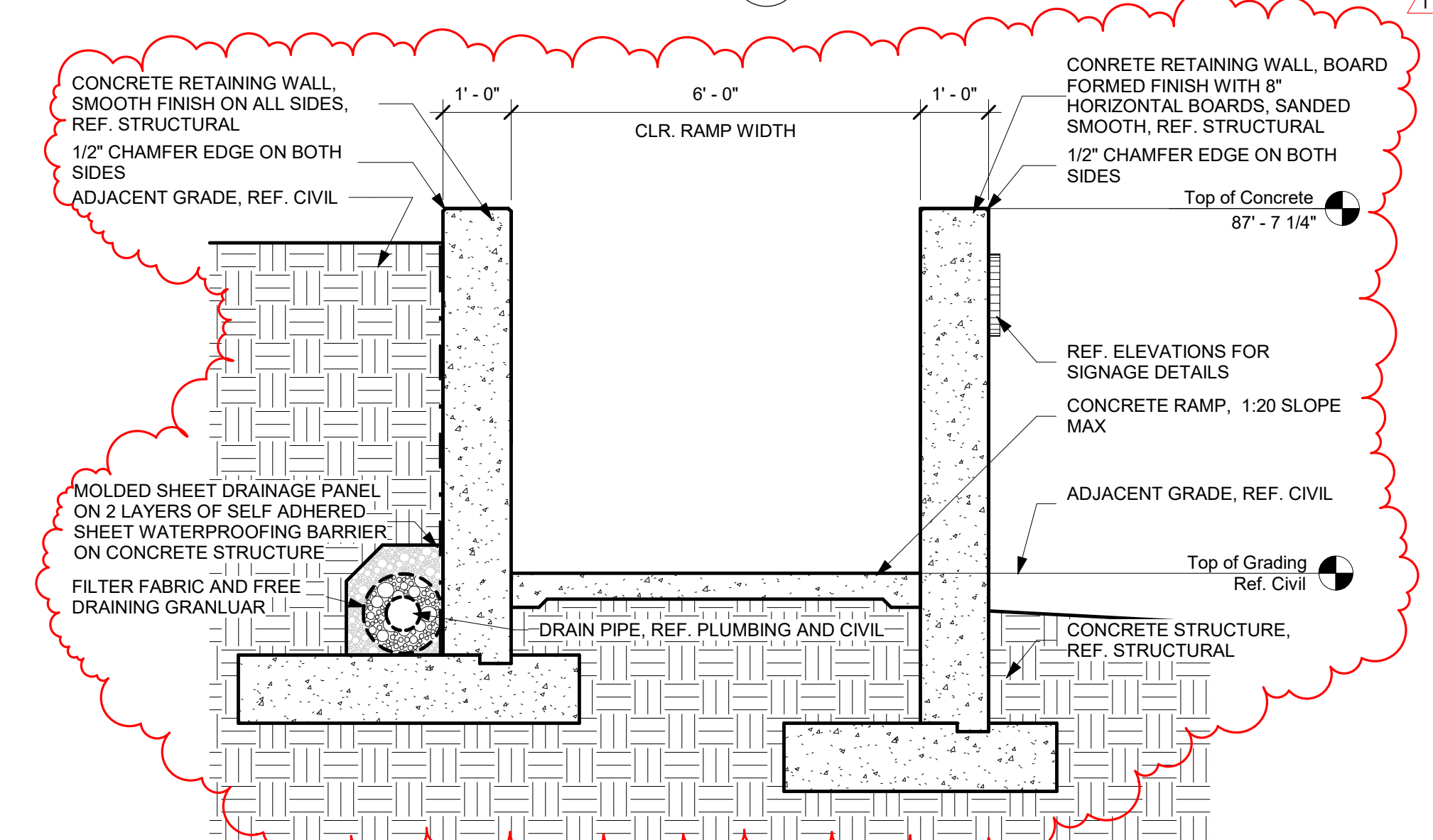
2 Concrete Wall - Rock to Rock
3/8" = 1'-0"



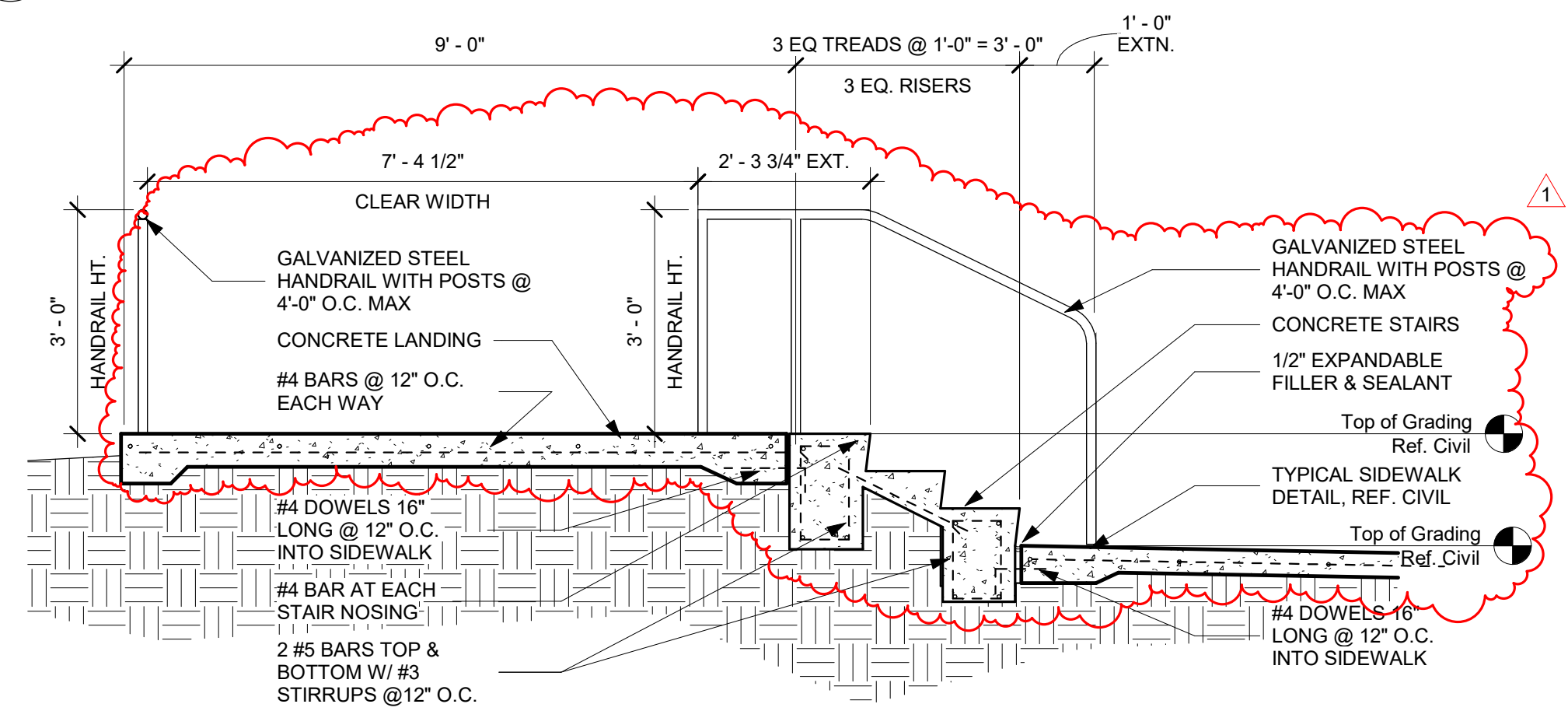
3 Student Entry Retaining Wall Section
1/2" = 1'-0"



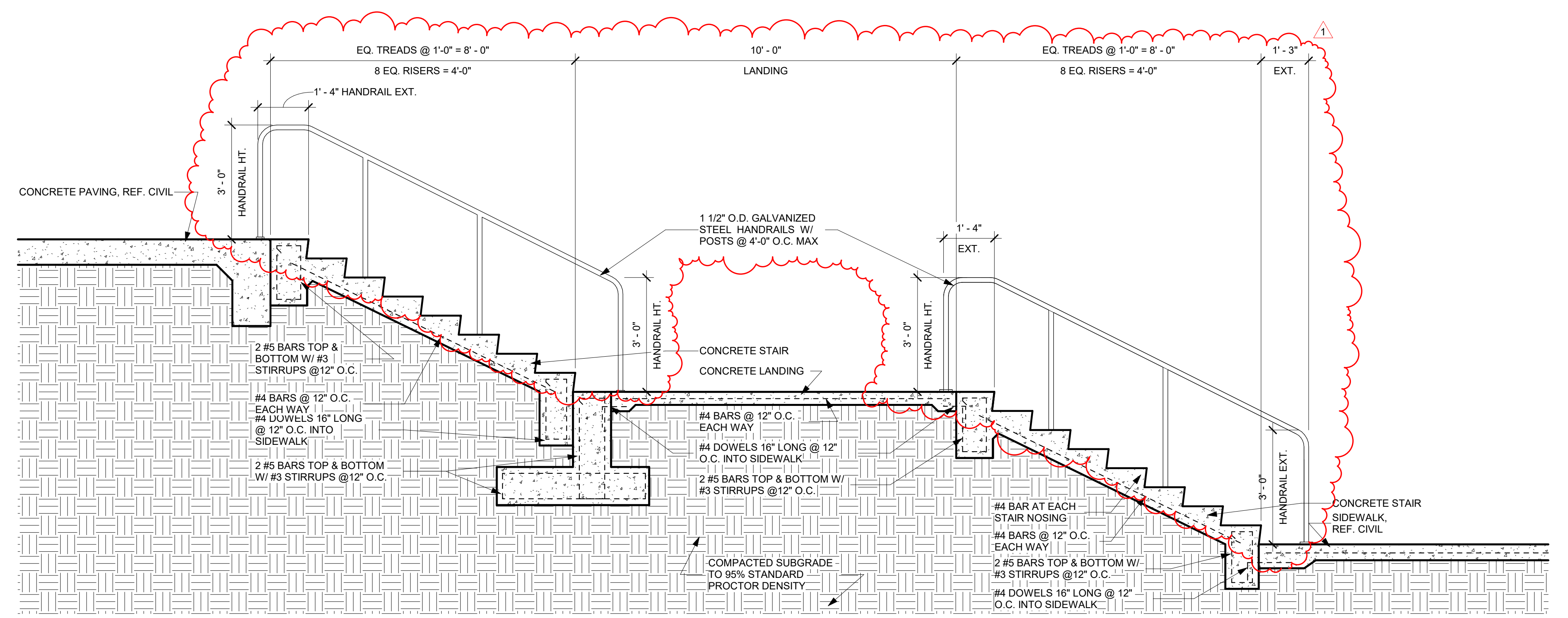
4 Concrete Wall Detail
1" = 1'-0"



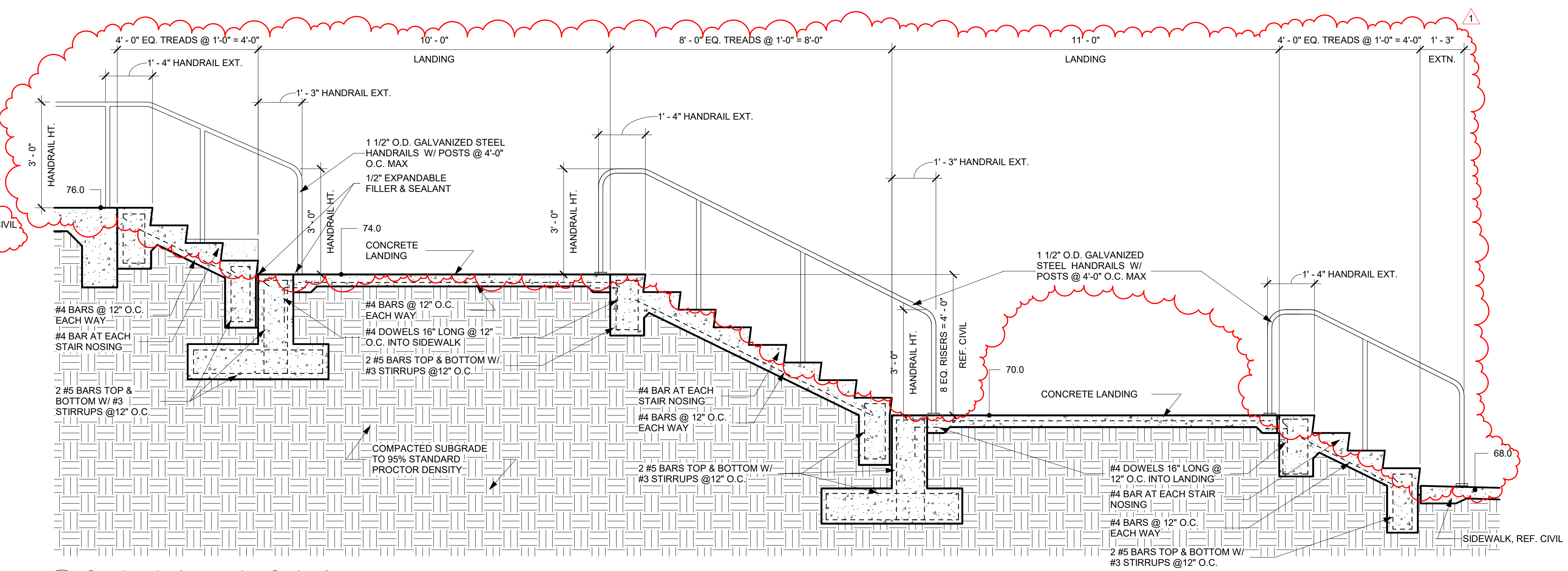
5 Section - Parent Drop Off - Concrete Wall and Ramp
1/2" = 1'-0"



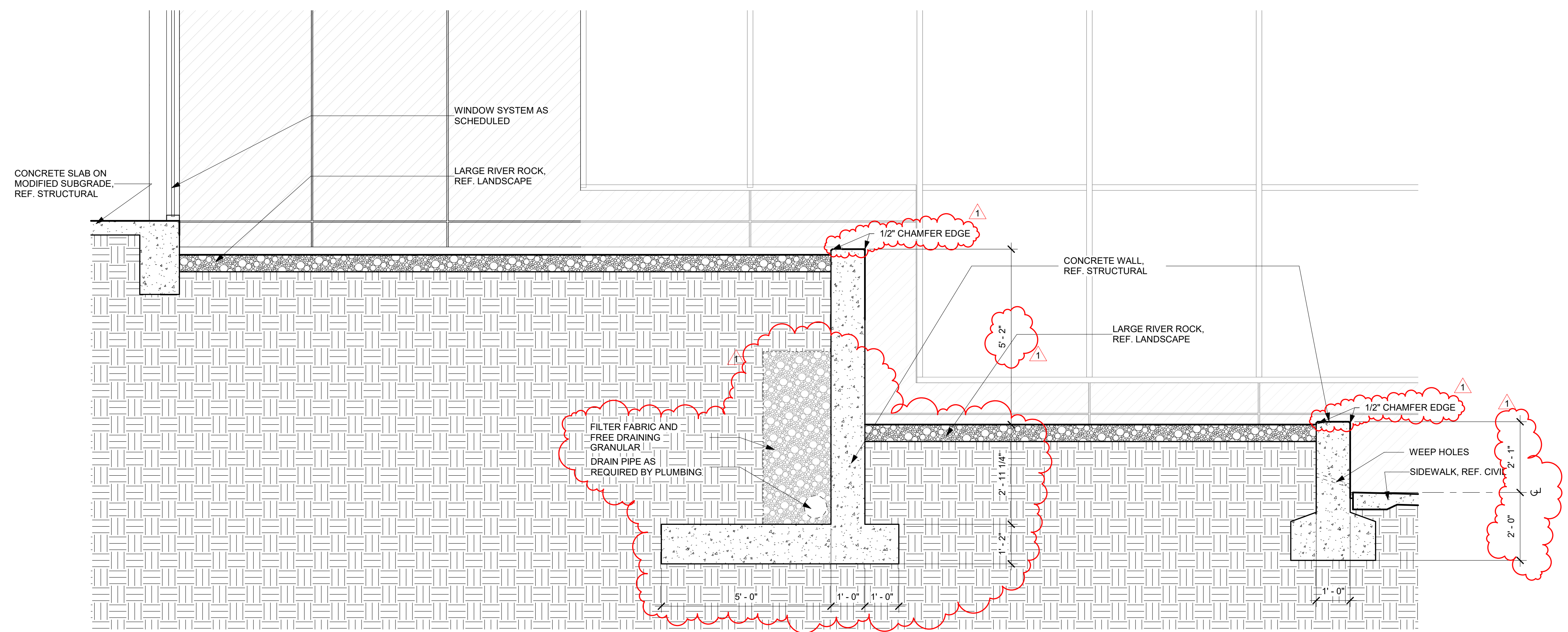
6 Exterior Stair and Handrail
1/2" = 1'-0"



7 Section 3 - Interactive Stairs 2
1/2" = 1'-0"



8 Section 1 - Interactive Stairs 2
1/2" = 1'-0"



9 Section 2 - Interactive Stairs 2
1/2" = 1'-0"

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	1	09/19/24

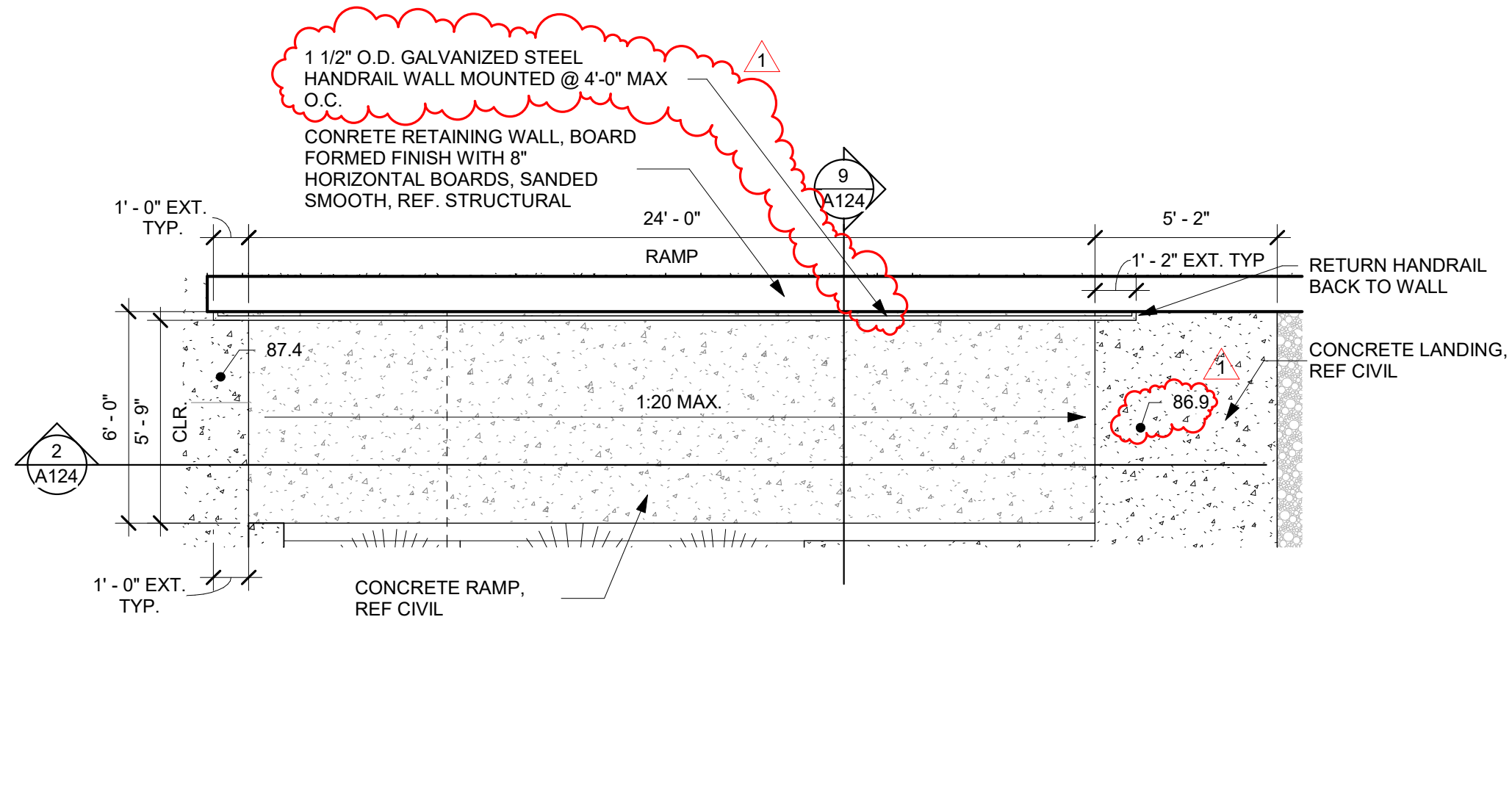
JOB NO.	2359
DATE:	09/19/2024
Site Plan Wall Sections	

REVISIONS:	
No. 1	Date 09/19/24
Addendum #1	

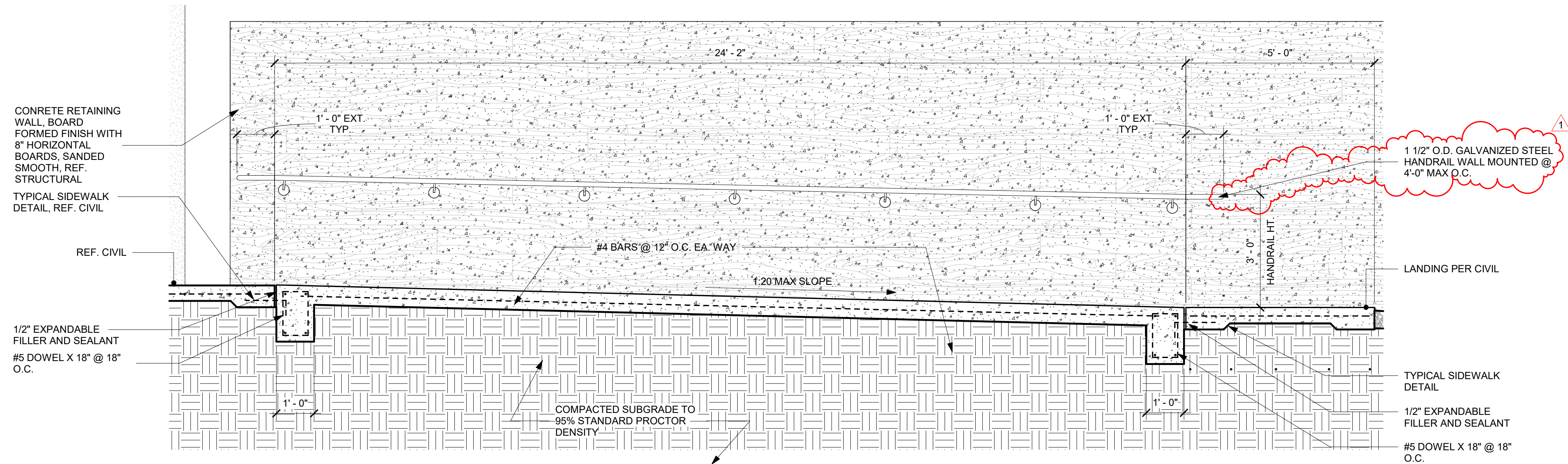
JOB NO.	2399
DATE:	09/19/2024

Site Plan Wall Sections

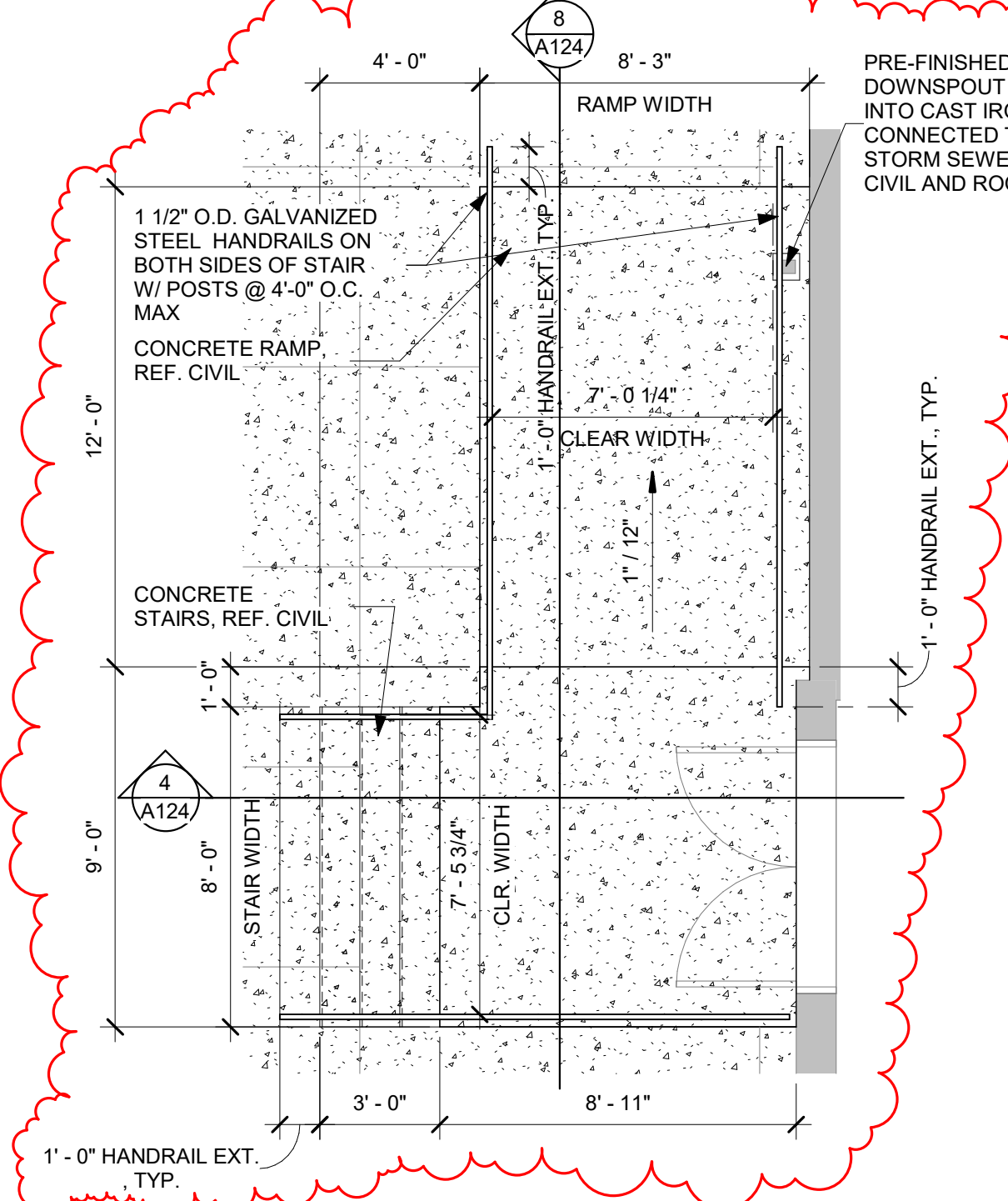
A124



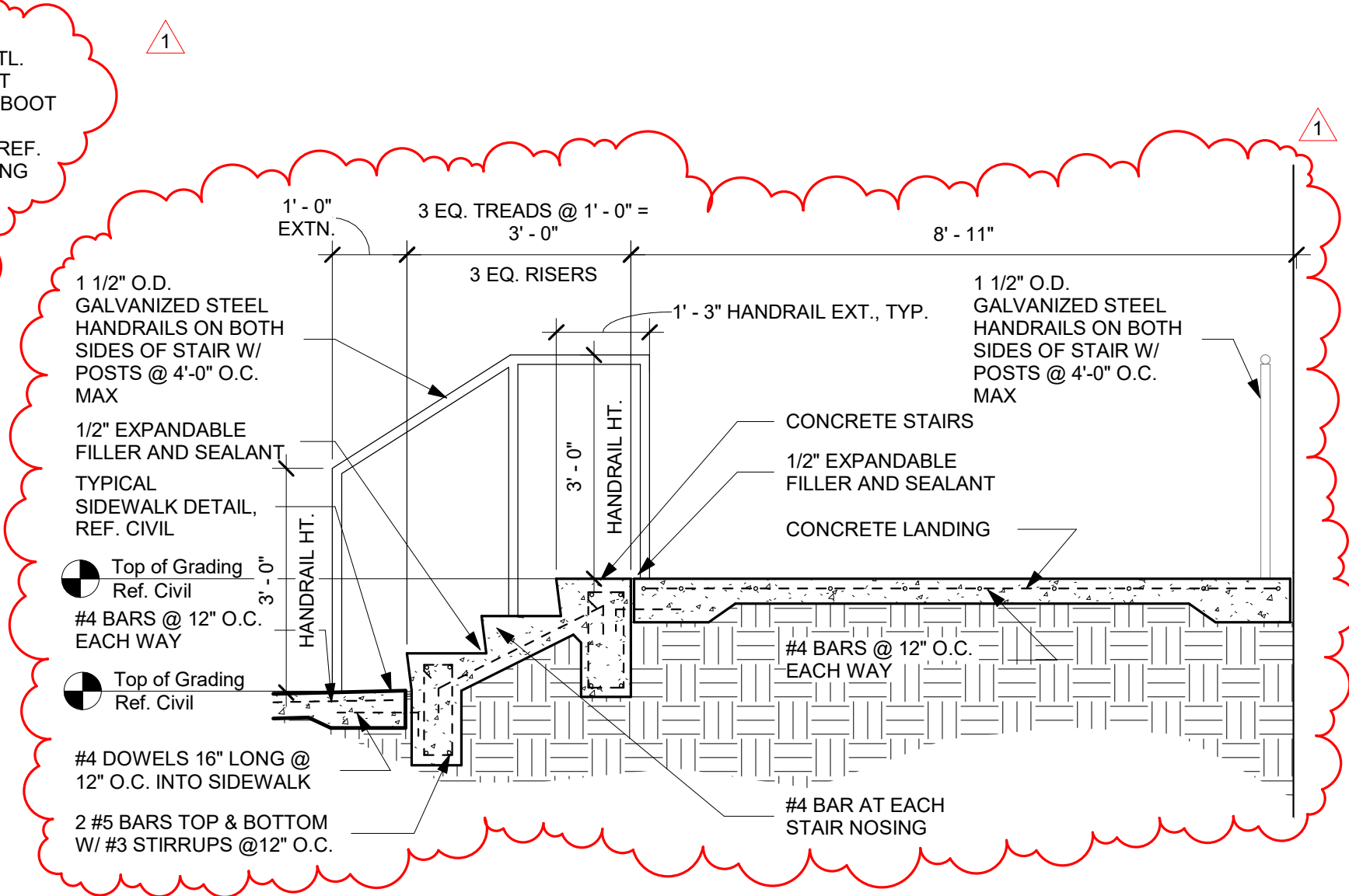
1 Enlarged Site Plan - Ramp
1/4" = 1'-0"



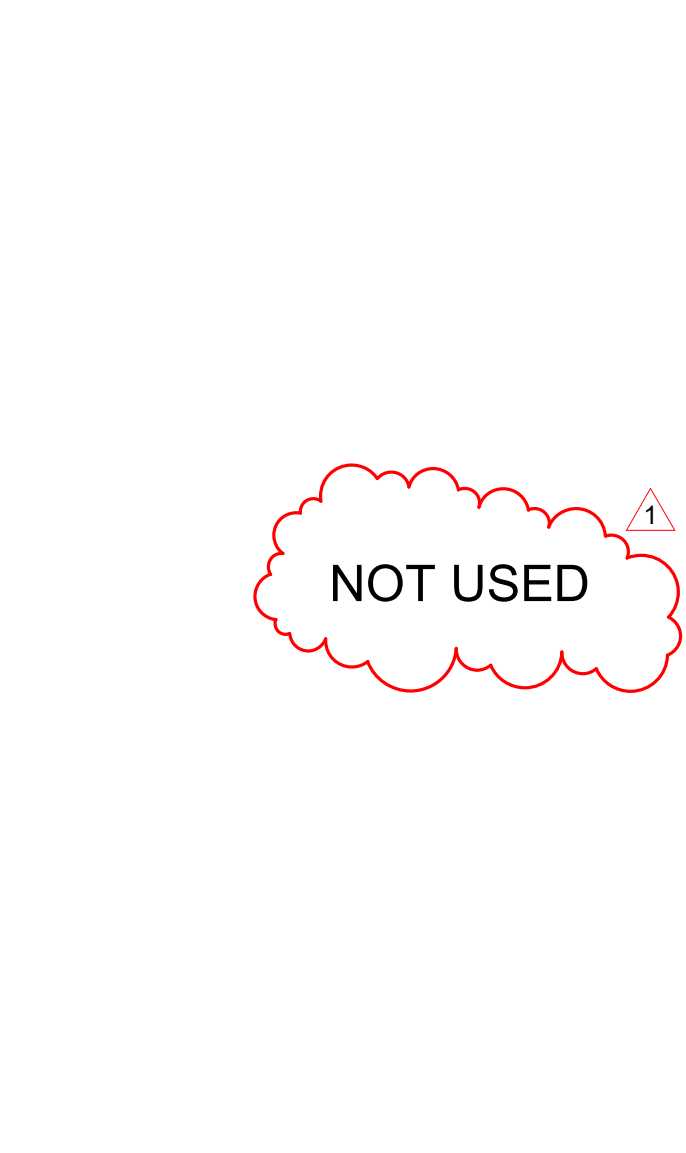
2 Site Ramp - Section
1/2" = 1'-0"



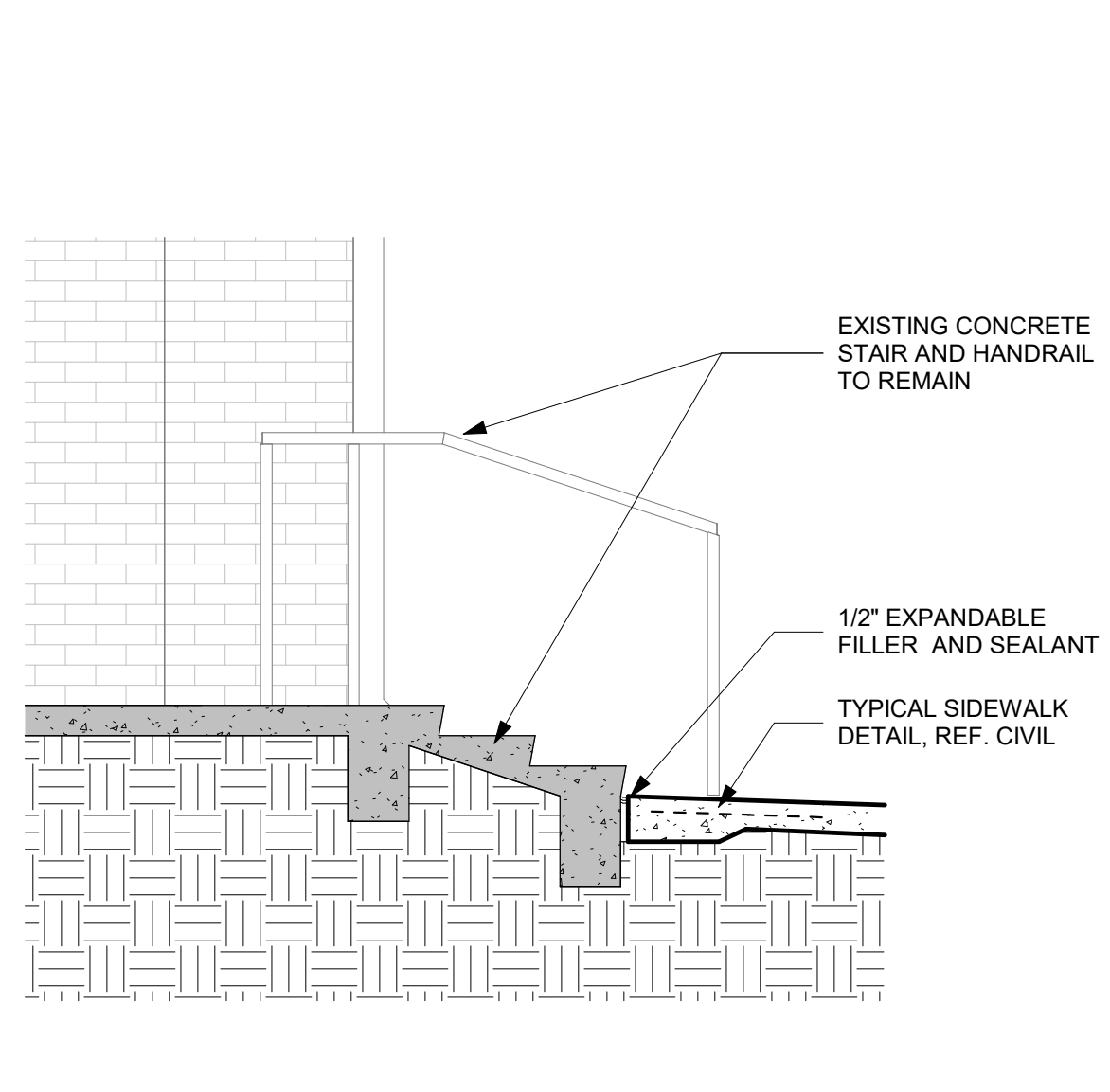
3 Enlarged Site Plan - Fire Arts Exit
1/4" = 1'-0"



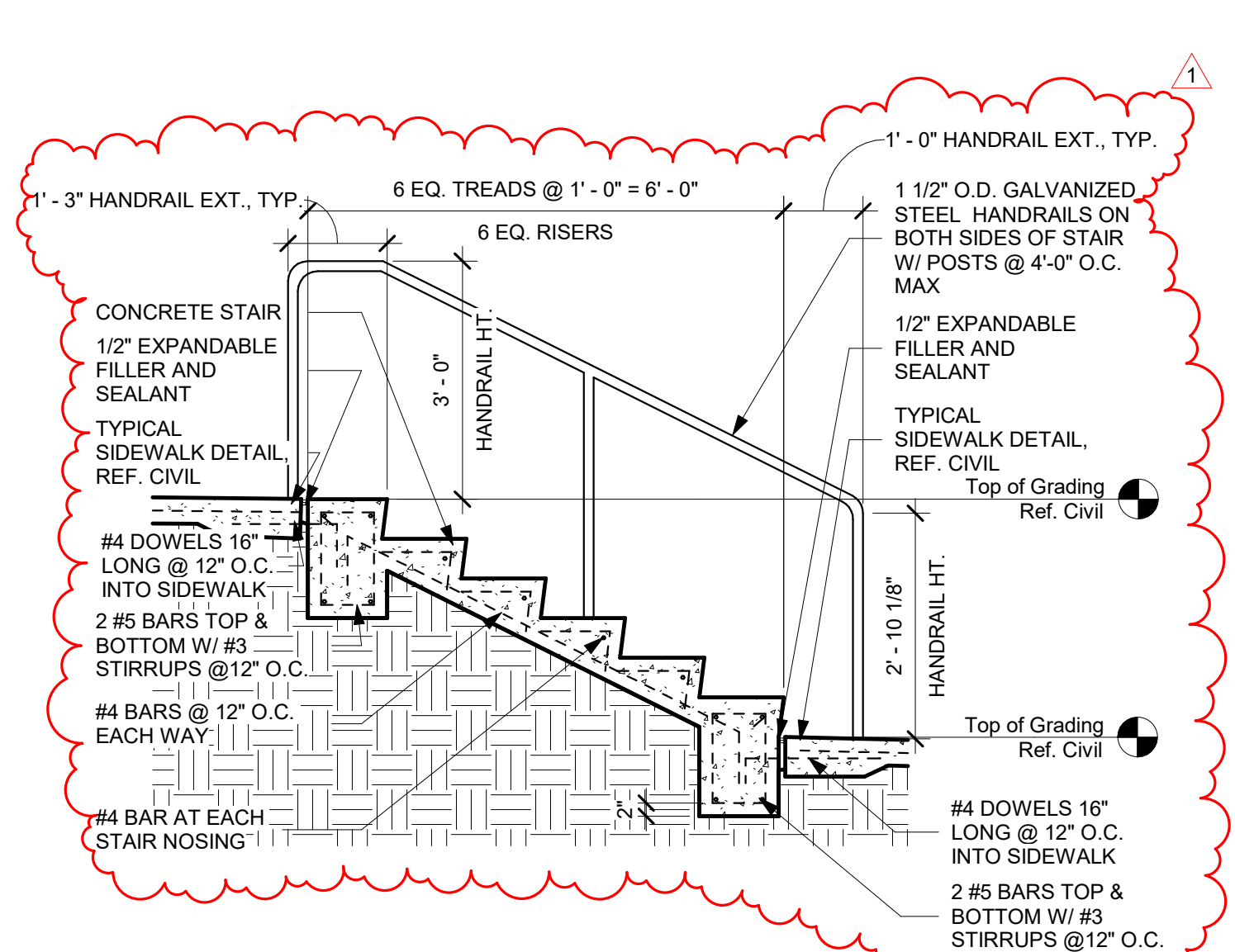
4 Fine Arts Exit Stair
1/2" = 1'-0"



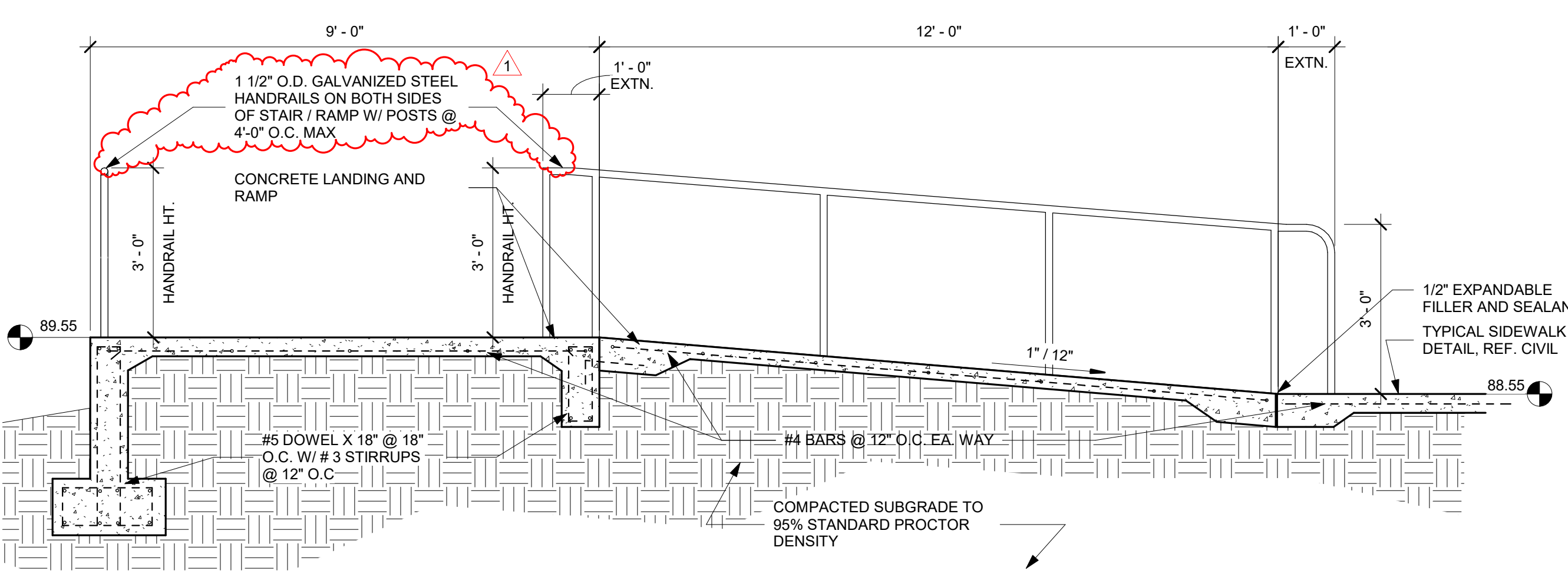
5 Site Stair
1/2" = 1'-0"



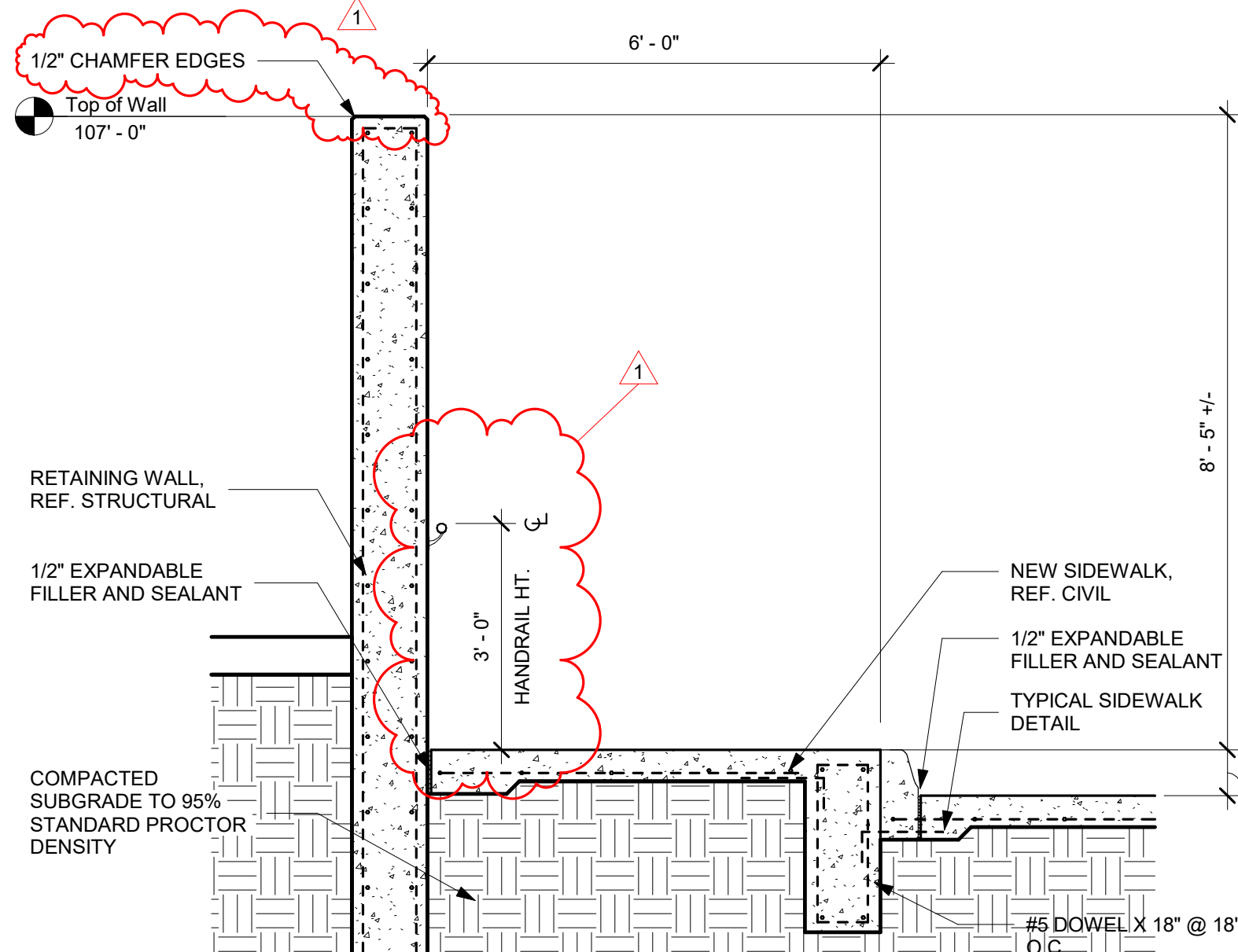
6 Existing Stair @ New Paving
1/2" = 1'-0"



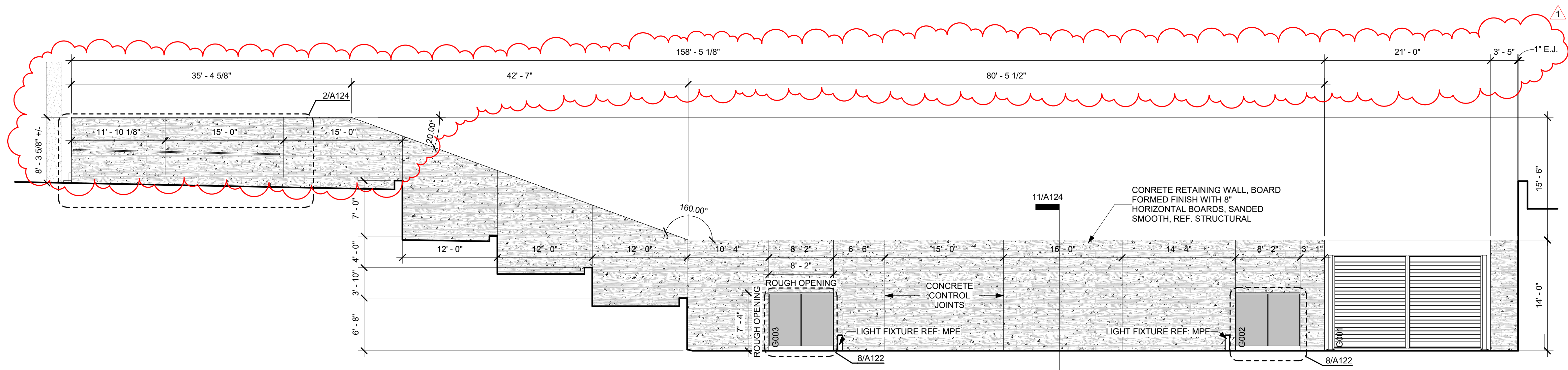
7 Site Stair - Parent Drop Off
1/2" = 1'-0"



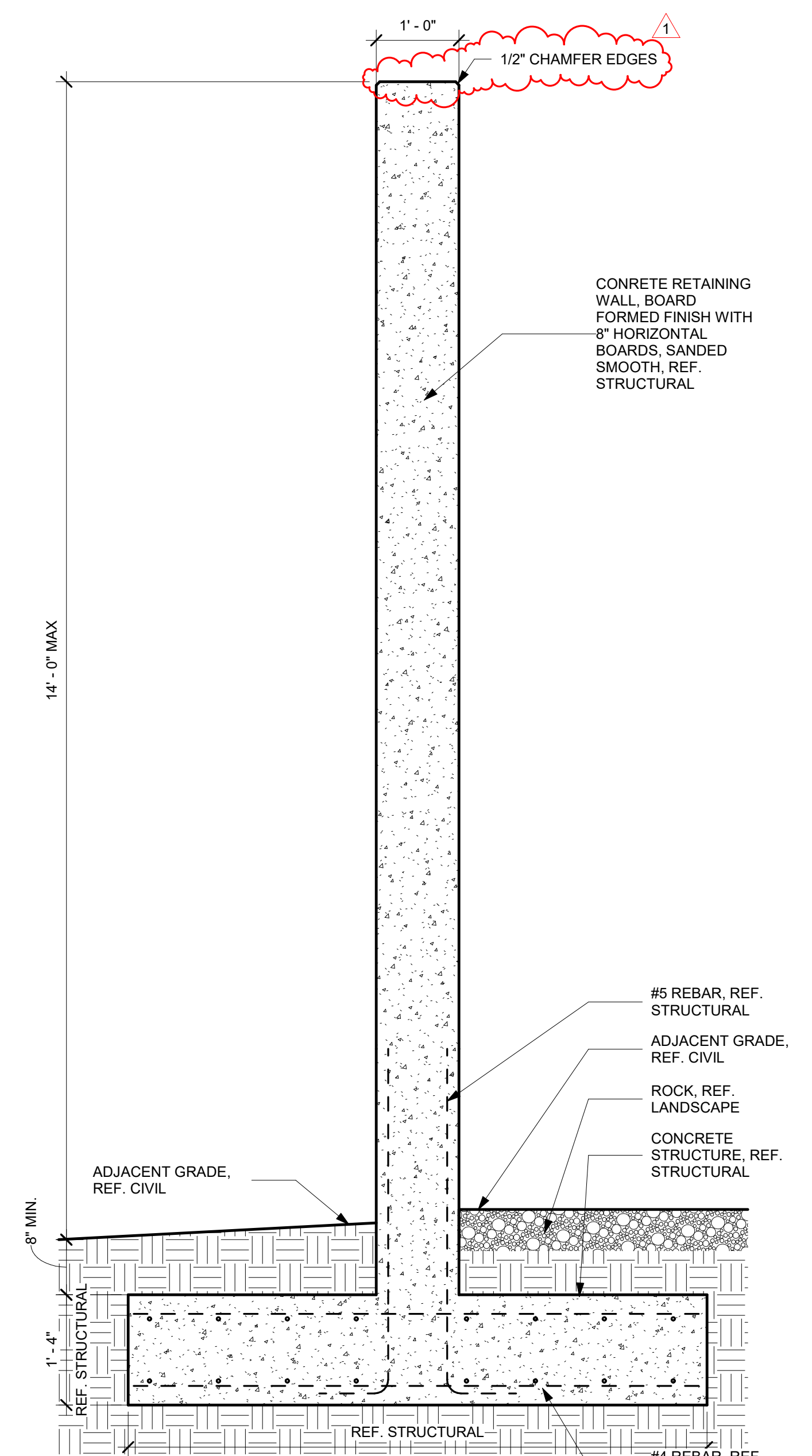
8 Fine Arts Exit Ramp
1/2" = 1'-0"



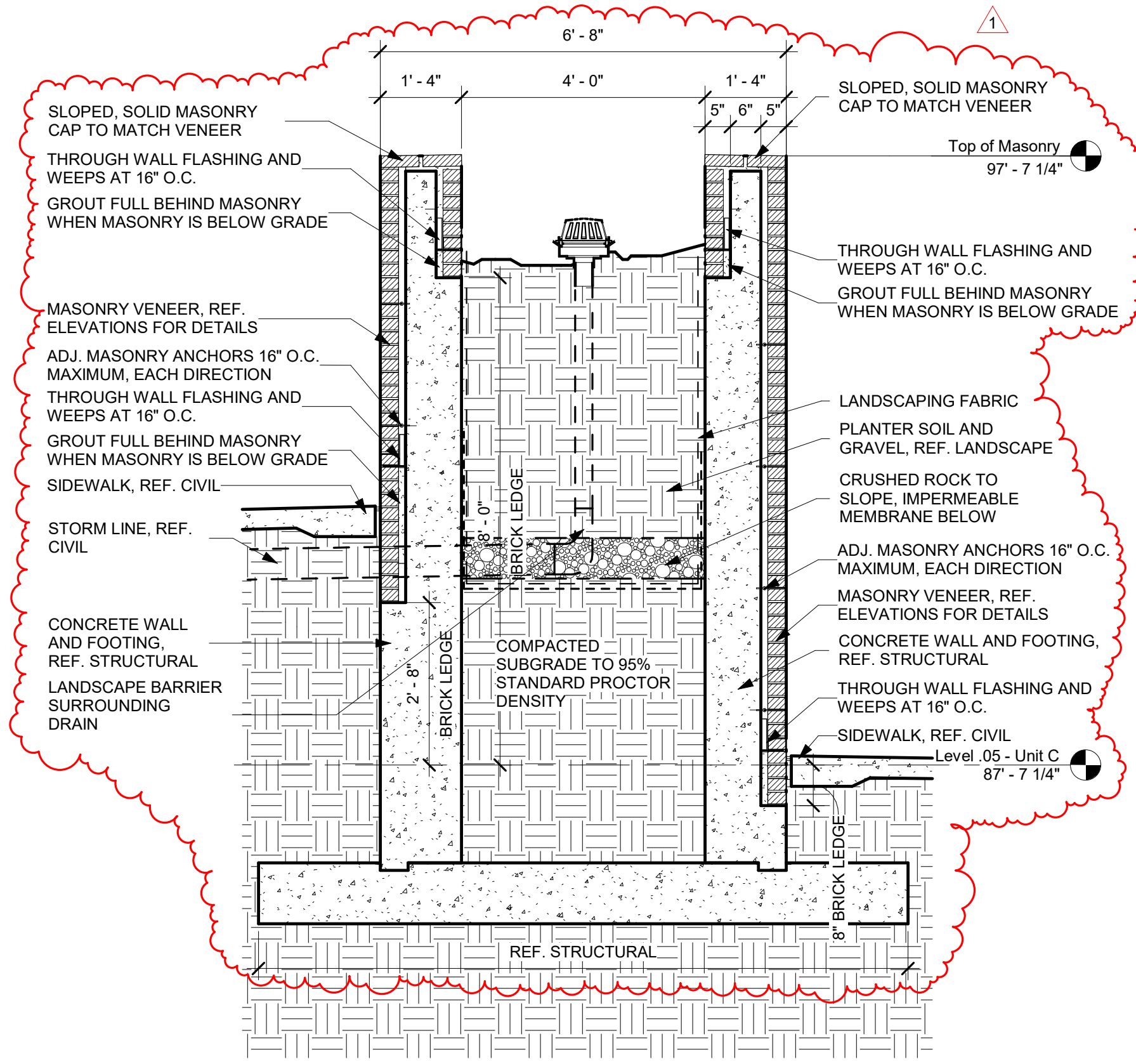
9 Site Ramp - Section
1/2" = 1'-0"



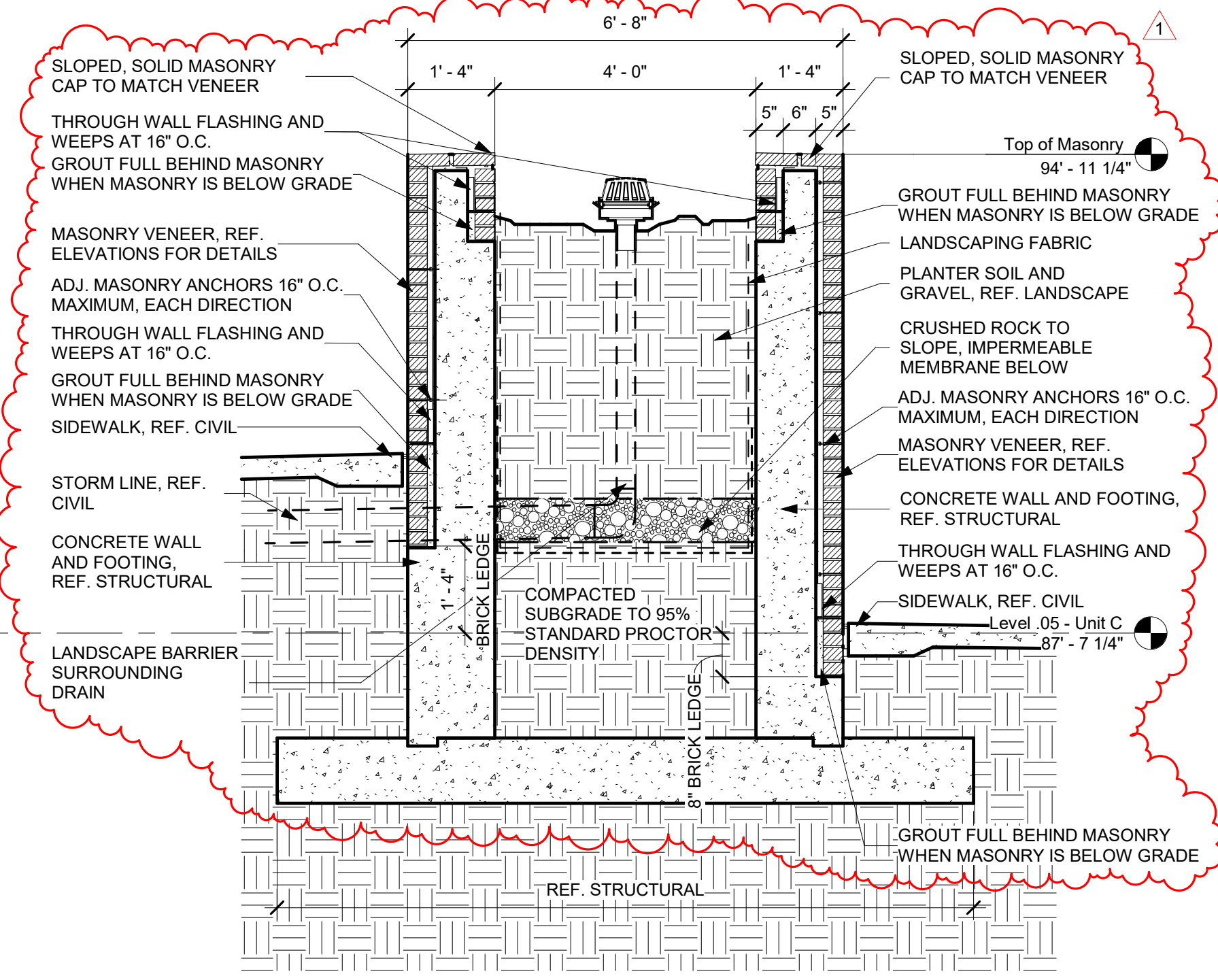
10 Elevation - Site Wall - South
1/8" = 1'-0"



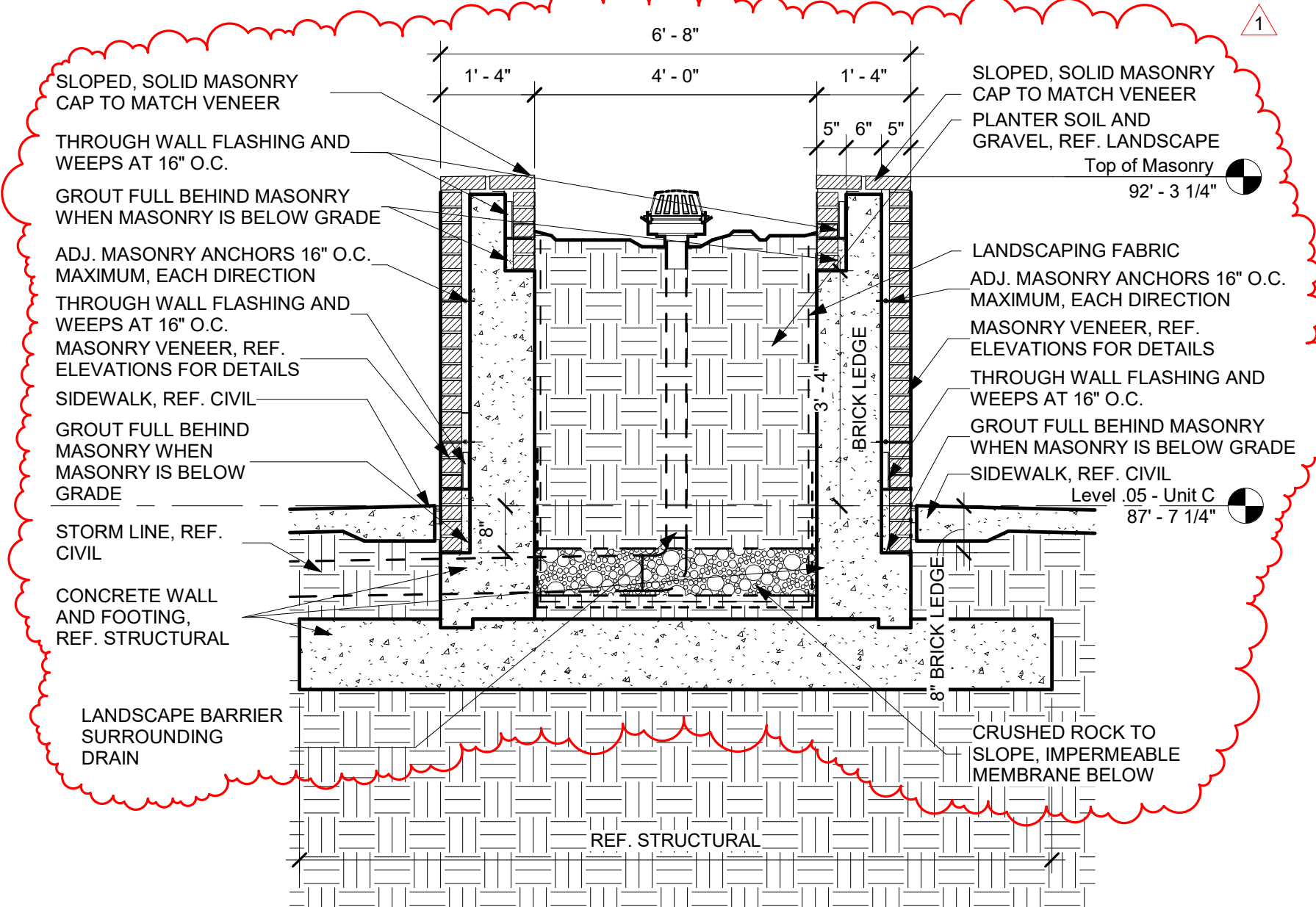
11 Section - Site Wall
3/4" = 1'-0"



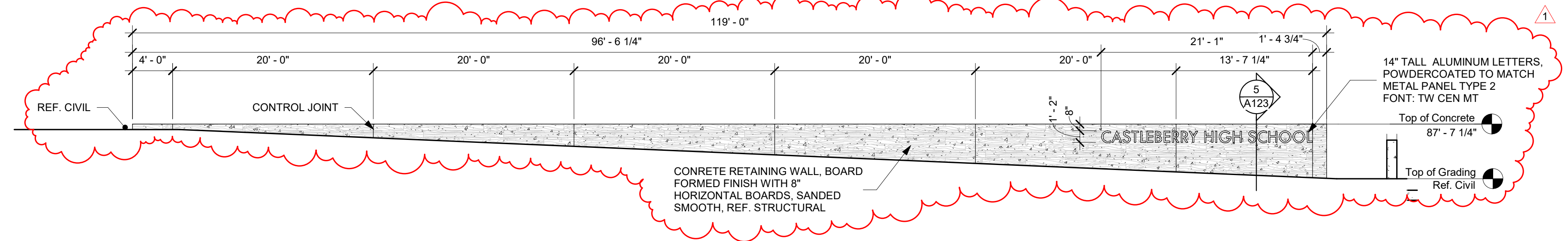
1 Terraced Brick Planter - Section 1
1/2" = 1'-0"



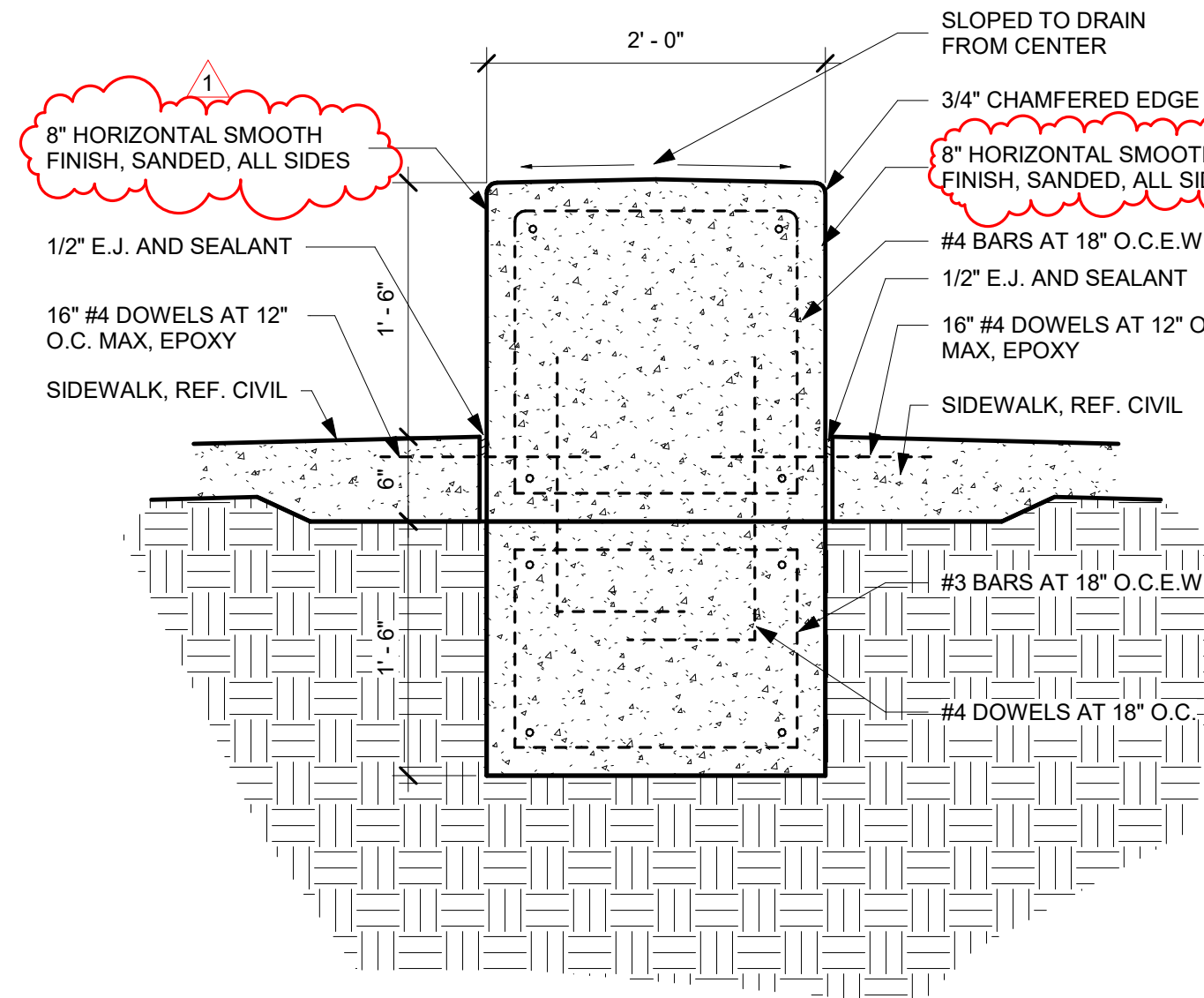
2 Terraced Brick Planter - Section 2
1/2" = 1'-0"



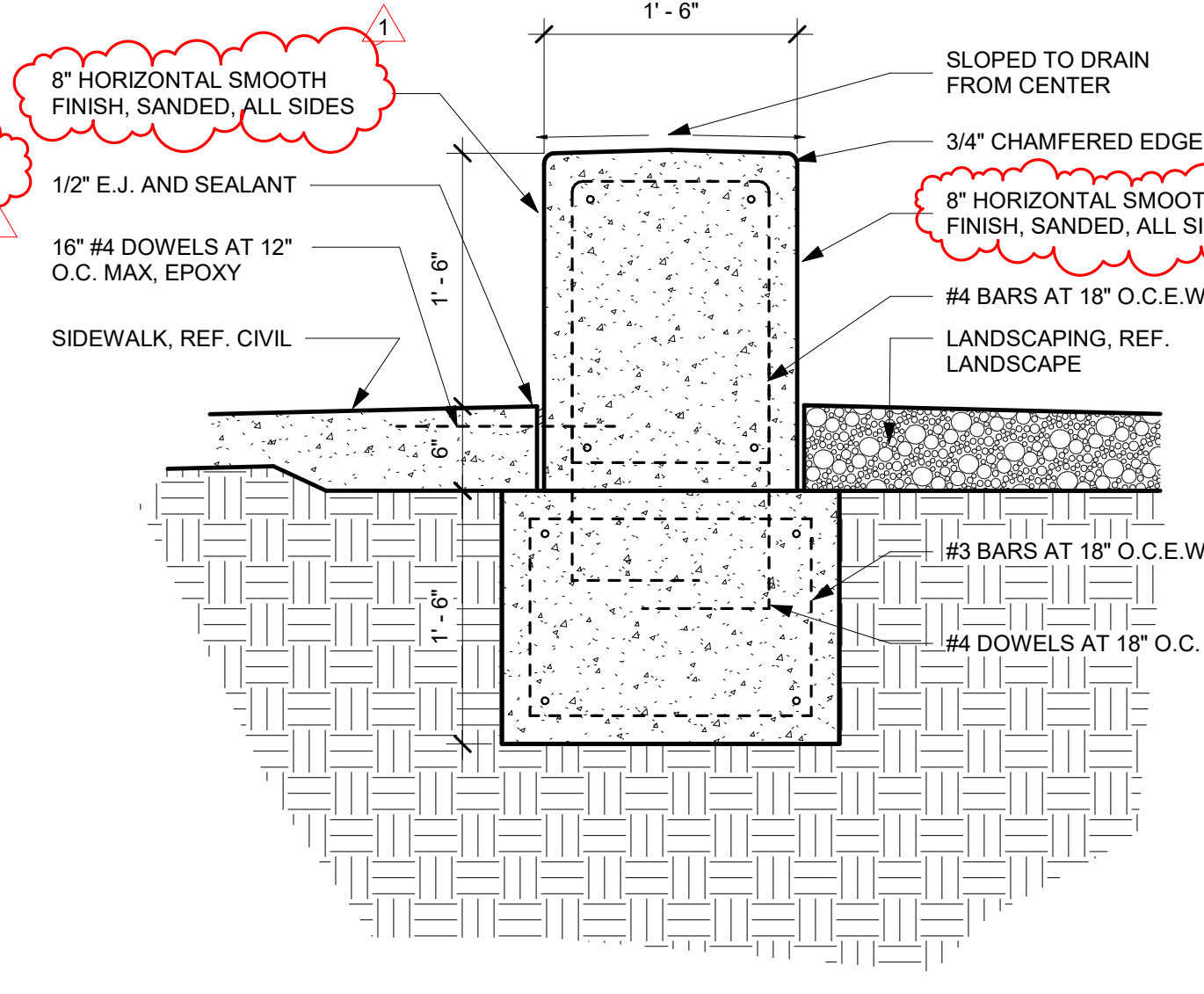
3 Terraced Brick Planter - Section 3
1/2" = 1'-0"



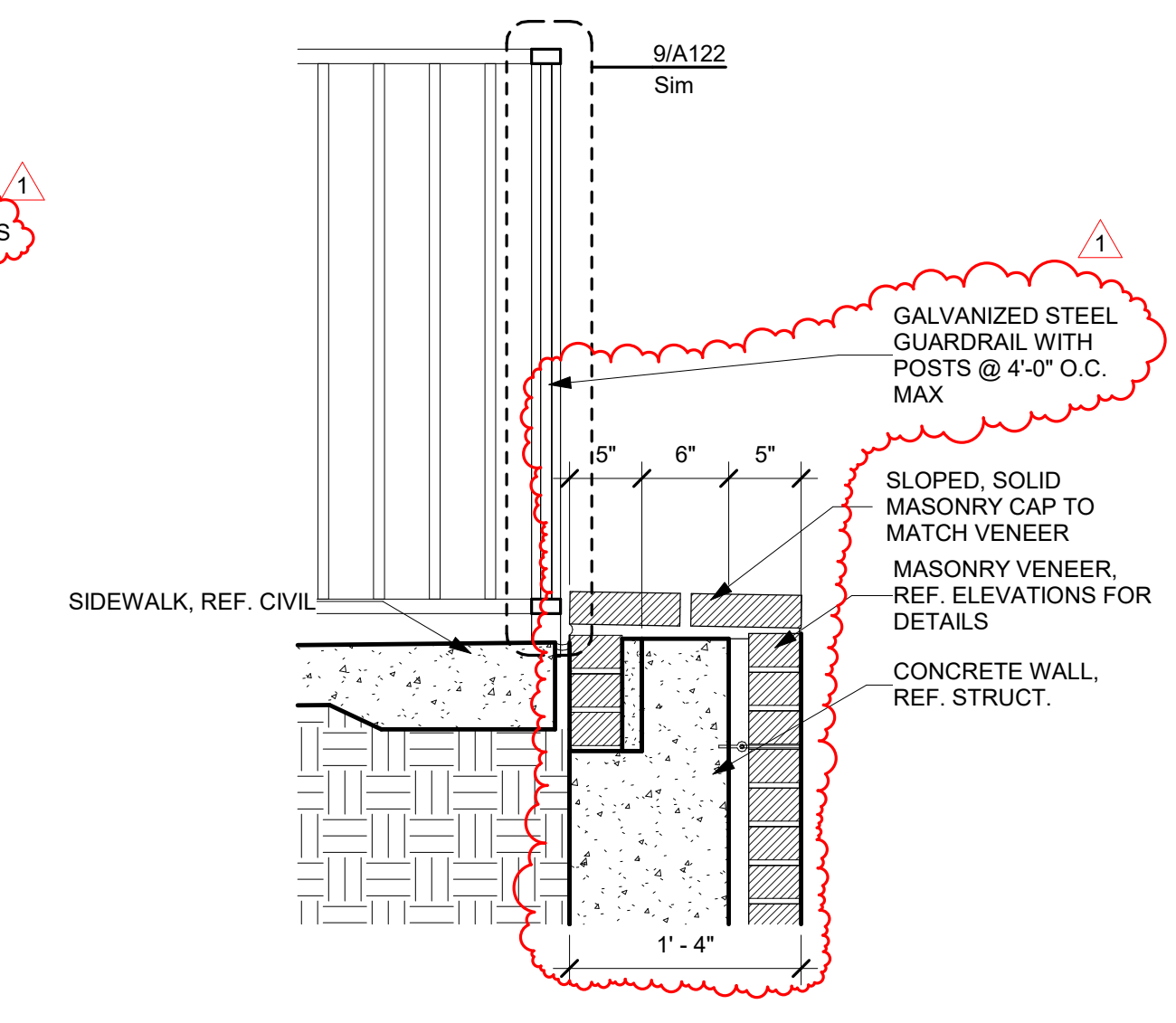
4 Elevation - Parent Drop-Off - Concrete Wall and Signage
1/8" = 1'-0"



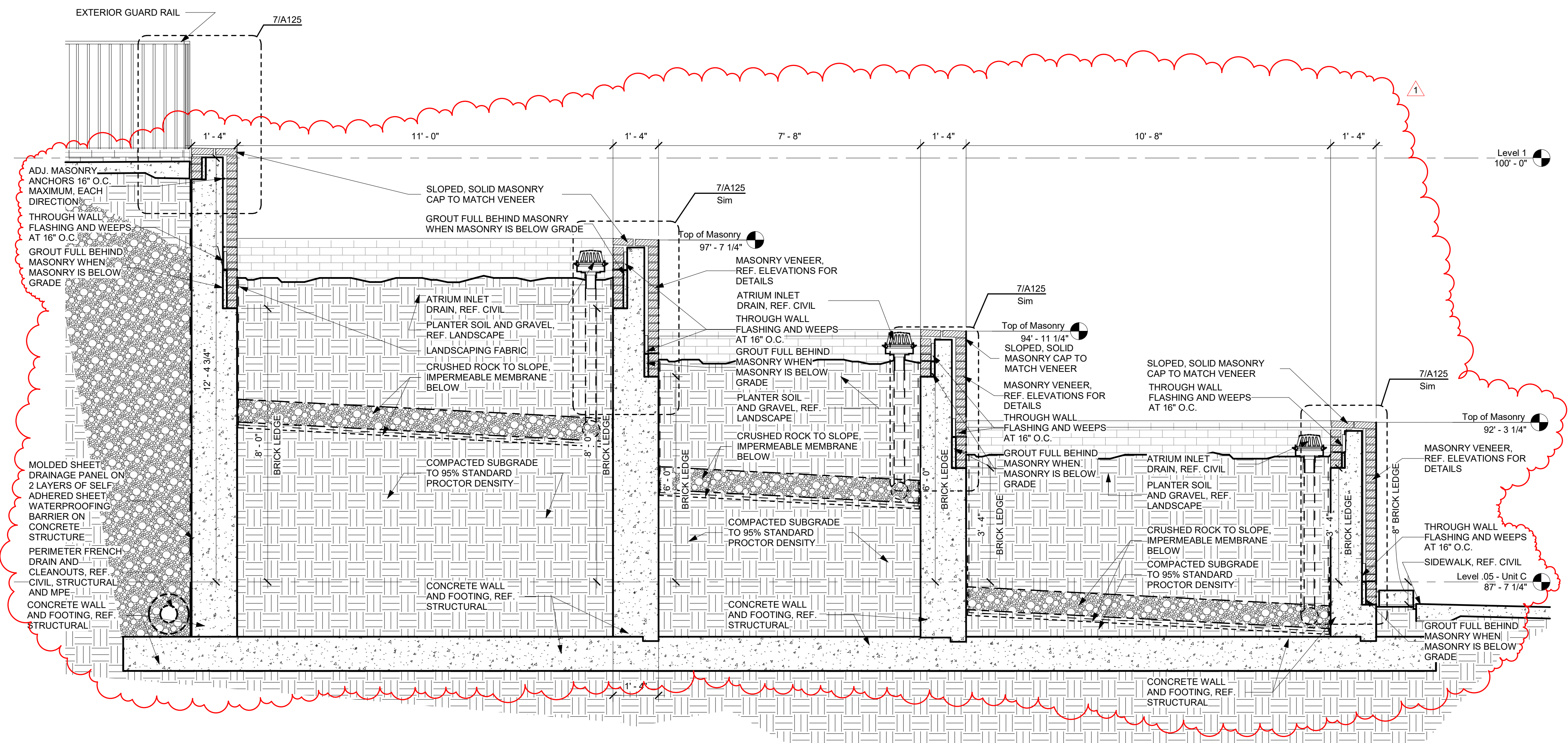
5 Bench Detail
1" = 1'-0"



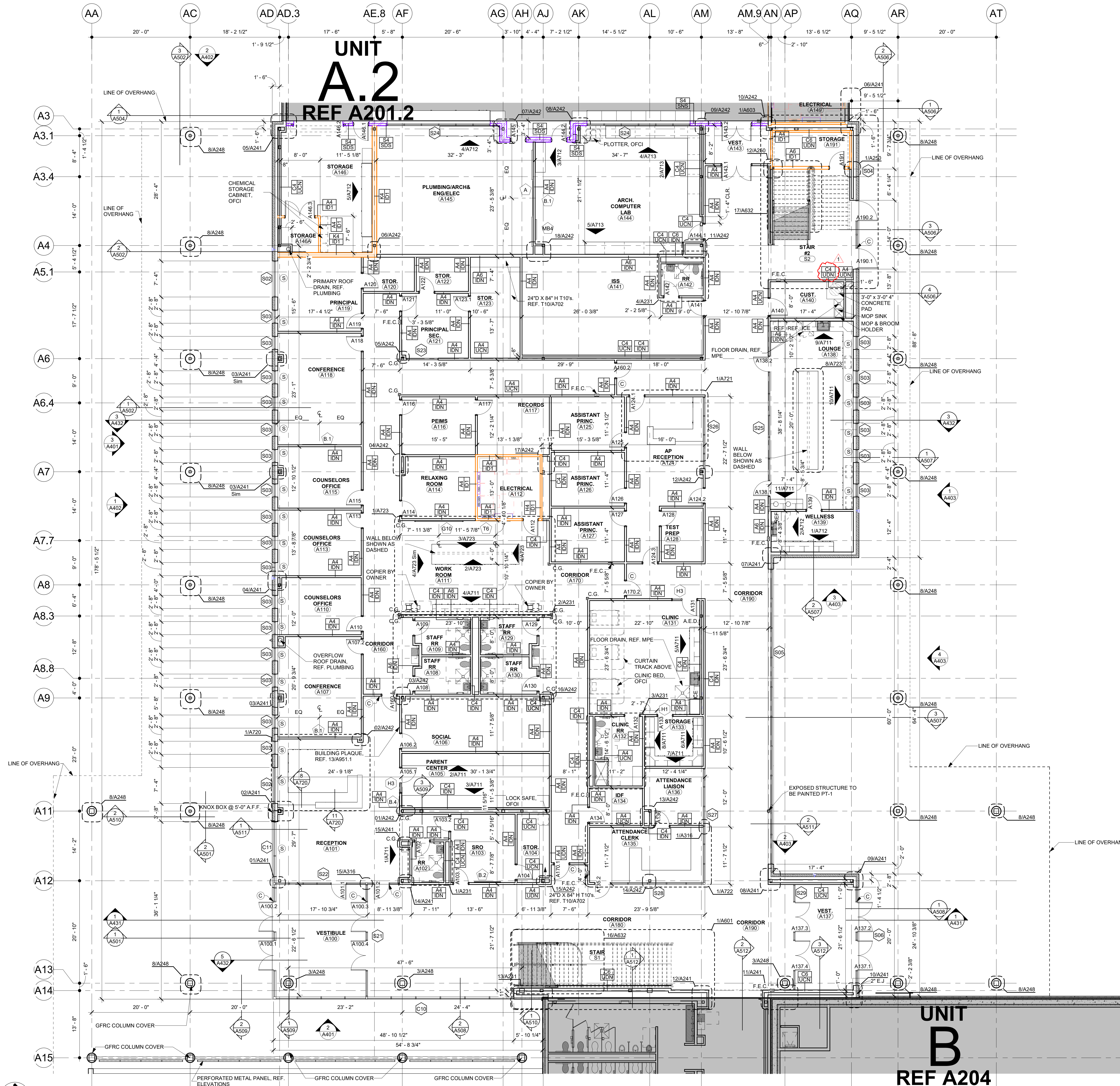
6 Bench Detail 2
1" = 1'-0"



7 Brick Ledge Detail @ Planter
1" = 1'-0"



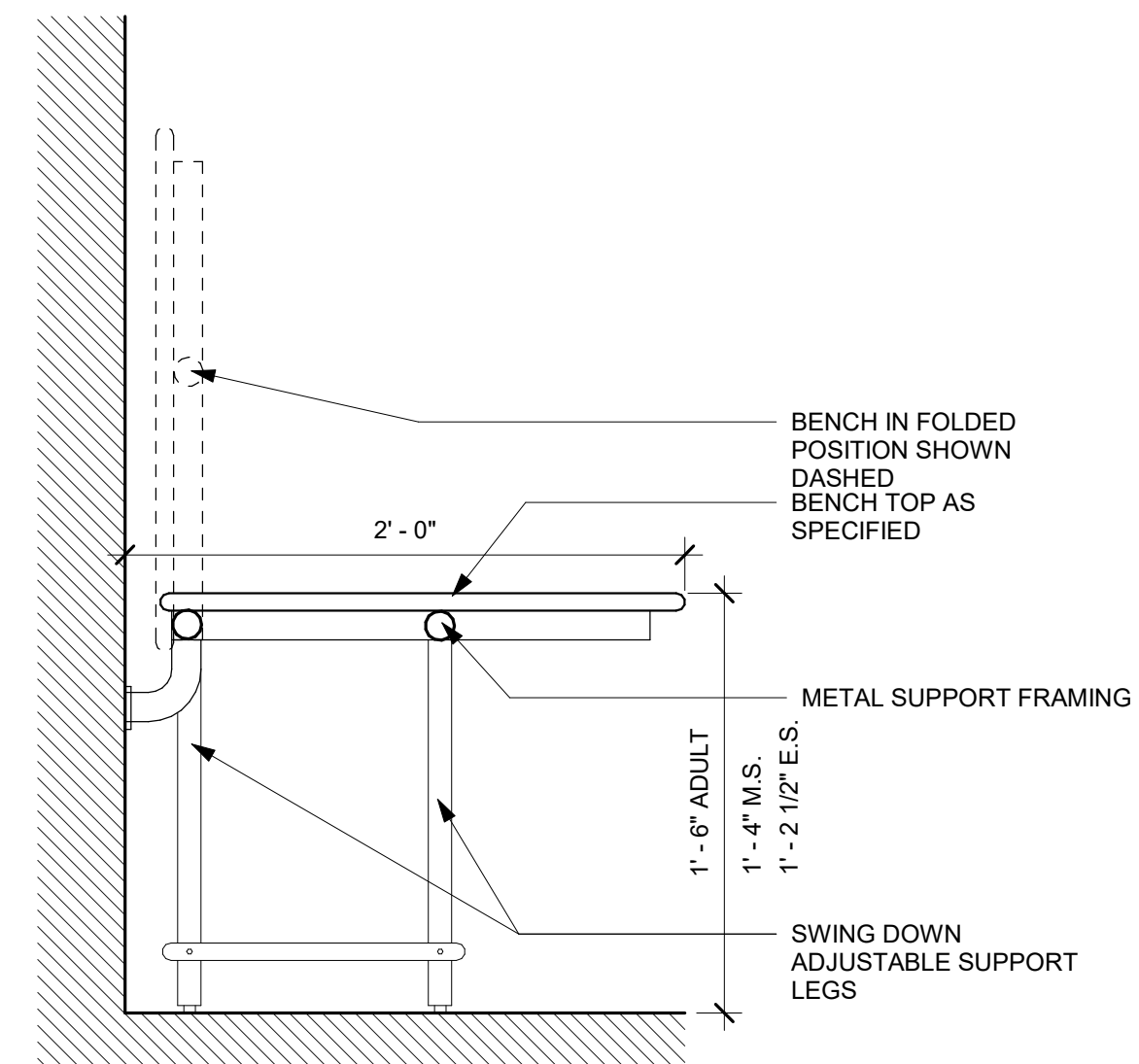
4 Terraced Brick Planter - Section 4
1/2" = 1'-0"



FLOOR PLAN SYMBOLS LEGEND			
1	Column Grid Bubble	X A42X	Building Section Tag
1/A101	Callout Tag	X A50X	Wall Section Tag
A101B	Door Tag	X-X	Spot Elevation Tag
H1	Frame Types	CL	Centerline
X/AXXX	Interior/Casework Elevation	ROOM NAME (A101)	Room Tag and Number
X A40X	Exterior Elevation	Furniture and Equipment, By Owner	
□	Floor Drain	C.G.	Corner Guard
S	Window Shades	F.E.B.	Fire Blanket Cabinet
M	Motorized Window Shades	F.E.C.	Fire Extinguisher Cabinet
C	Card Reader Access	A.E.D.	Automated External Defibrillator
M12	Displayboard Type Ref. A302		

PARTITION SYMBOL LEGEND	
□	Partition Type - See schedule sheet A302
N	Non-rated partition
S	Construction capable of resisting the passage of smoke, run drywall on room side continuous to deck and fire seal
1	1 Hour partition
2	2 Hour partition
3	3 Hour partition
4	4 Hour partition
D	Extend wall to underside of structural deck
C	Top of wall to extend to 12" above finished ceiling height
H	Half wall, refer to floor plan for wall height
U	Uninsulated
I	Insulated with 3" Sound Attenuation Batt Insulation Regardless of Cavity Size
S	Sound partition insulated with Sound Attenuation Batt Insulation same thickness as cavity size. Provide acoustical sealant bead between top of stud runner and structure and between bottom stud track and floor. Provide acoustical sealant bead around all wall penetrations. Offset back to back outlets by one stud cavity. Refer to STC Rating on Partition Schedule for required STC value.

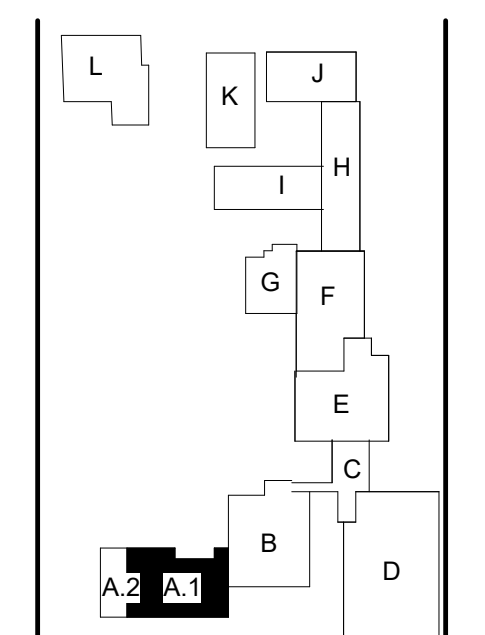
Wall Partition Rating Legend	
□	UNRATED ASSEMBLY
▨	1 HOUR RATED ASSEMBLY
▩	2 HOUR RATED ASSEMBLY
▪	SMOKE RATED ASSEMBLY



2 ADA Bench - Folding
1 1/2" = 1'-0"

Alternate #7
Base Bid: Scope as shown to be bid.
Deduct Alternate Bid: Remove exterior perforated panels between columns at entrances (Unit A spine, Unit C center, Unit E facade).

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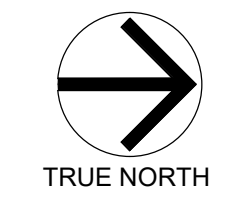


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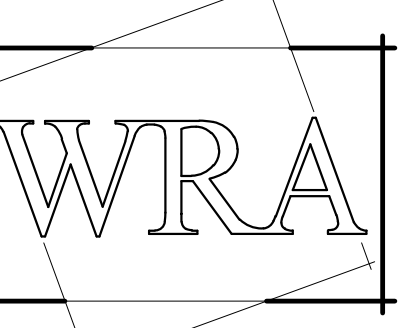
REVISIONS:	
No.	Date
1	Addendum #1 09/19/2024

Job No. 2399
Date: 09/19/2024
Floor Plan Level 1 Unit A.1
A201.1
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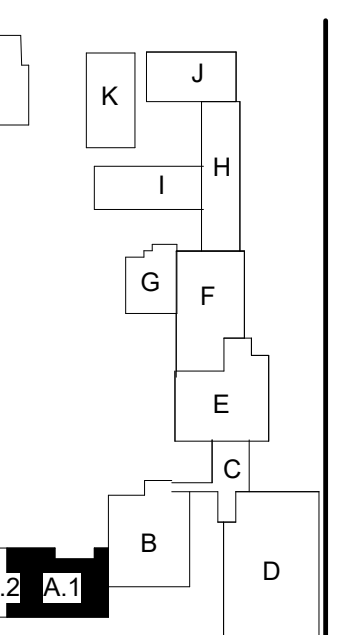
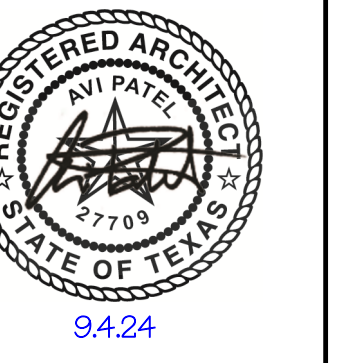
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1 Floor Plan - Level 1 Unit A.1
1/8" = 1'-0"



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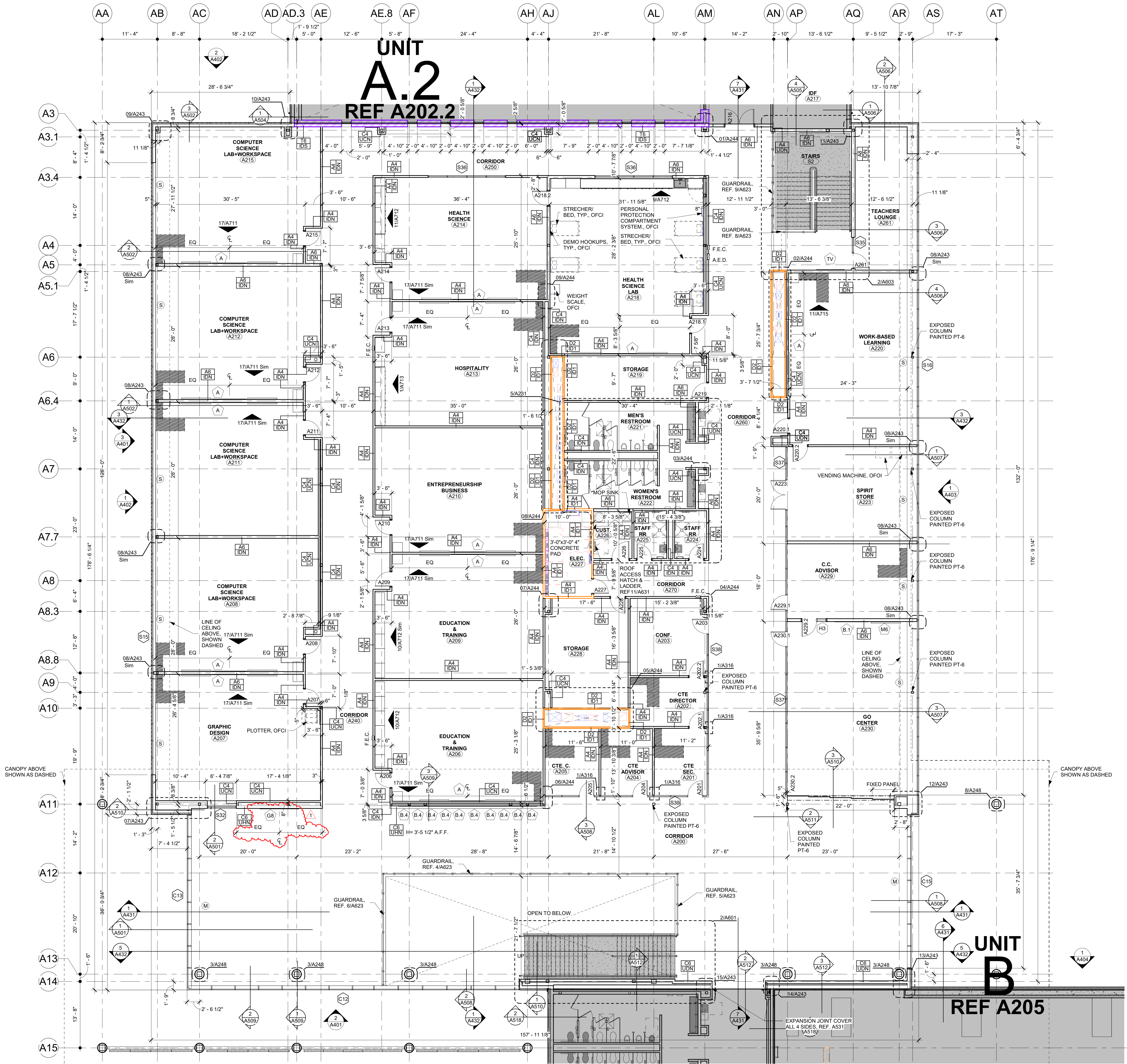
JOB NO.	2399
DATE:	09/19/2024

Floor Plan Level 2 Unit A.1
A202.1

FLOOR PLAN SYMBOLS LEGEND			
1	Column Grid Bubble	X A42X	Building Section Tag
1/A101 SIM	Callout Tag	X A50X	Wall Section Tag
A101B	Door Tag	X-X'	Spot Elevation Tag
W1	Frame Types Ref. A302	℄	Centerline
X/AXXX	Interior/Casework Elevation	ROOM NAME (A101)	Room Tag and Number
X A40X	Exterior Elevation	[]	Furniture and Equipment, By Owner
[]	Floor Drain	C.G.	Corner Guard
(S)	Window Shades	F.E.B.	Fire Blanket Cabinet
(M)	MotORIZED Window Shades	F.E.C.	Fire Extinguisher Cabinet
(C)	Card Reader Access	A.E.D.	Automated External Defibrillator
(M12)	Displayboard Type Ref. A302		

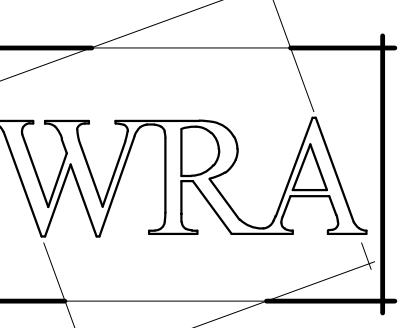
PARTITION SYMBOL LEGEND	
[Symbol]	Partition Type - See schedule sheet A302
N	Non-rated partition
S	Construction capable of resisting the passage of smoke, run drywall on room side continuous to deck and fire seal.
1	1-Hour partition
2	2-Hour partition
3	3-Hour partition
4	4-Hour partition
D	Extend wall to underside of structural deck
C	Top of wall to extend to 12" above finished ceiling height
H	Half wall, refer to floor plan for wall height.
U	Uninsulated
I	Insulated with 3" Sound Attenuation Batt Insulation Regardless of Cavity Size
S	Sound partition insulated with Sound Attenuation Batt insulation same thickness as cavity size. Provide acoustical sealant bead between top of stud runner and structure and between bottom stud track and floor. Provide acoustical sealant bead around all wall penetrations. Offset back to back outlets by one stud cavity. Refer to STC Rating on Partition Schedule for required STC value.

Wall Partition Rating Legend	
[Symbol]	UNRATED ASSEMBLY
[Symbol]	1 HOUR RATED ASSEMBLY
[Symbol]	2 HOUR RATED ASSEMBLY
[Symbol]	SMOKE RATED ASSEMBLY

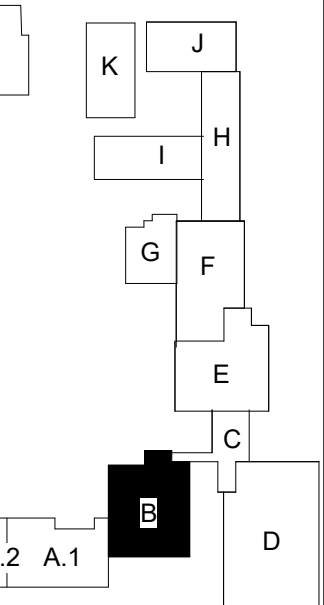


1 Floor Plan - Level 2 Unit A.1
1/8" = 1'-0"

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JOB NO. 2399
DATE: 09/19/2024
Floor Plan Level 1 Unit B

Wall Partition Rating Legend

	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

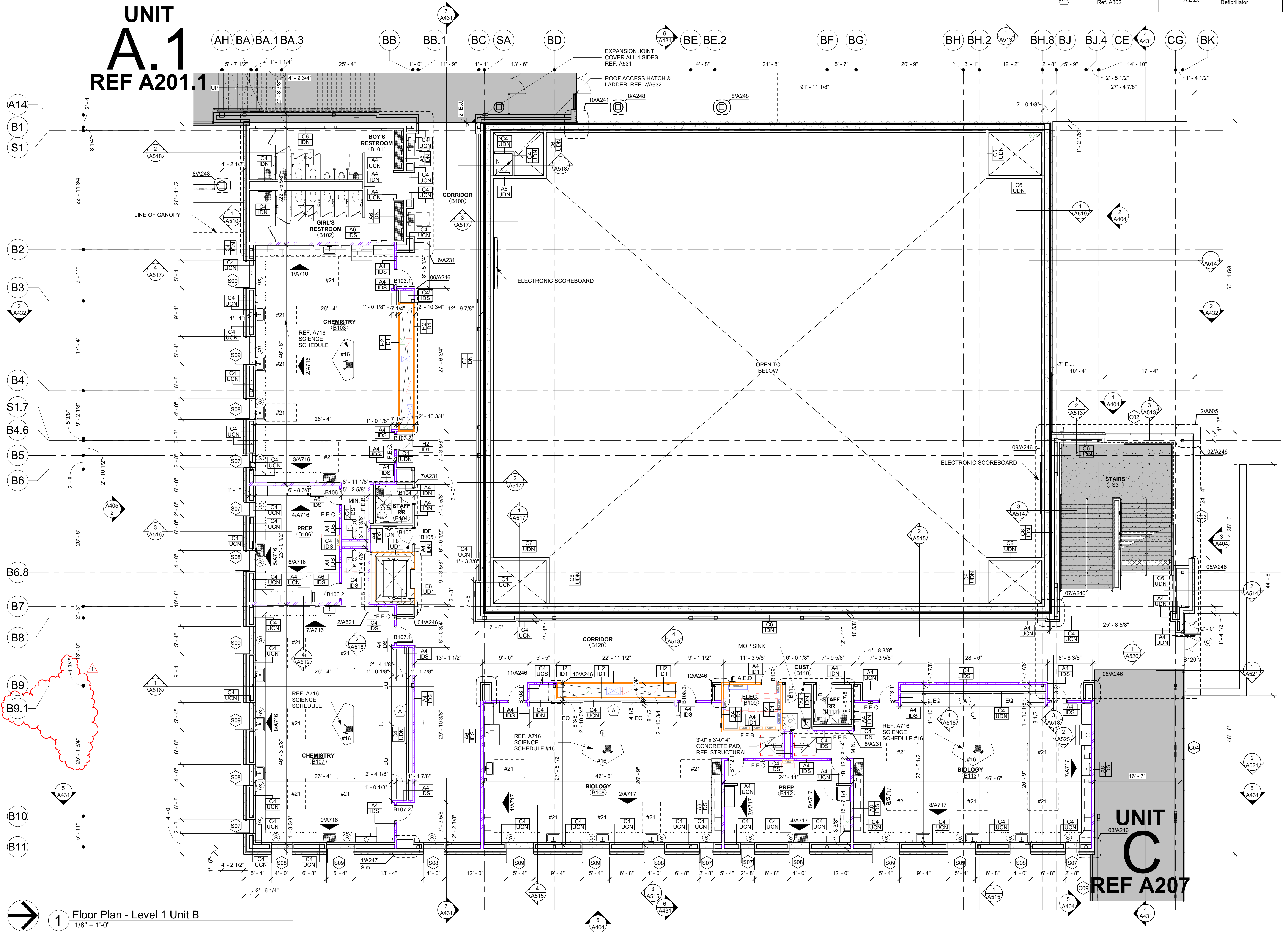
PARTITION SYMBOL LEGEND

Partition Type - See schedule sheet A302

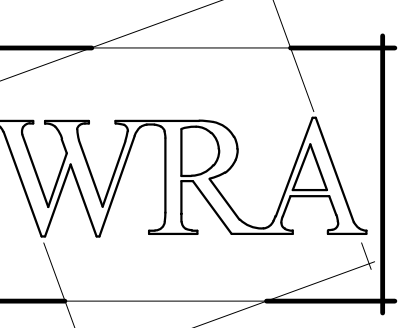
	N - Non-rated partition
	S - Construction capable of resisting the passage of smoke, run drywall on room side continuous to deck and fire seal.
	1 - 1 Hour partition
	2 - 2 Hour partition
	3 - 3 Hour partition
	4 - 4 Hour partition
	D - Extend wall to underside of structural deck
	C - Top of wall to extend to 12" above finished ceiling height
	H - Half wall, refer to floor plan for wall height.
	U - Uninsulated
	I - Insulated with 3" Sound Attenuation Batt Insulation Regardless of Cavity Size
	S - Sound partition insulated with Sound Attenuation Batt. Insulation same thickness as cavity size. Provide acoustical sealant bead between top of stud runner and structure and between bottom stud track and floor. Provide acoustical sealant bead around all wall penetrations. Offset back to back outlets by one stud cavity. Refer to STC Rating on Partition Schedule for required STC value.

FLOOR PLAN SYMBOLS LEGEND

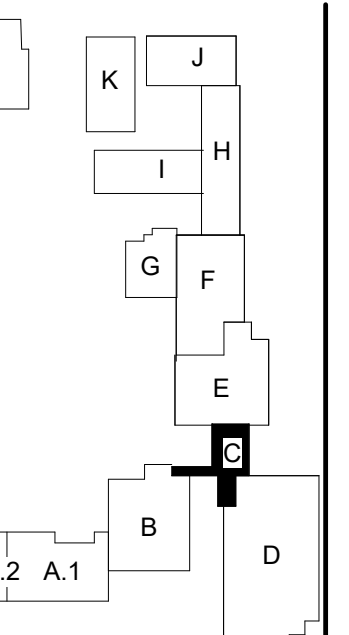
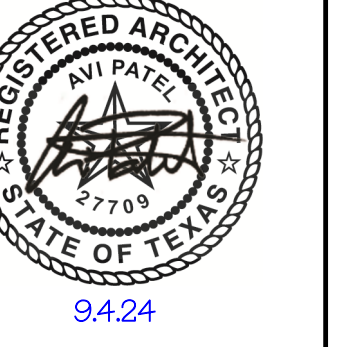
	1 - Column Grid Bubble		X A42X - Building Section Tag
	1/A101 - Callout Tag		X A50X - Wall Section Tag
	A101B - Door Tag		X-X' - Spot Elevation Tag
	H1 - Frame Types Ref. A302		C - Centerline
	X/AXX - Interior/Casework Elevation		ROOM NAME (A101) - Room Tag and Number
	X A40X - Exterior Elevation		Furniture and Equipment, By Owner
	Floor Drain		C.G. - Corner Guard
	S - Window Shades		F.E.B. - Fire Blanket Cabinet
	M - Motorized Window Shades		F.E.C. - Fire Extinguisher Cabinet
	C - Card Reader Access		A.E.D. - Automated External Defibrillator
	M12 - Displayboard Type Ref. A302		



1 Floor Plan - Level 1 Unit B
1/8" = 1'-0"



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REVISIONS:	
No.	Date
1	Addendum #1 09/19/2024

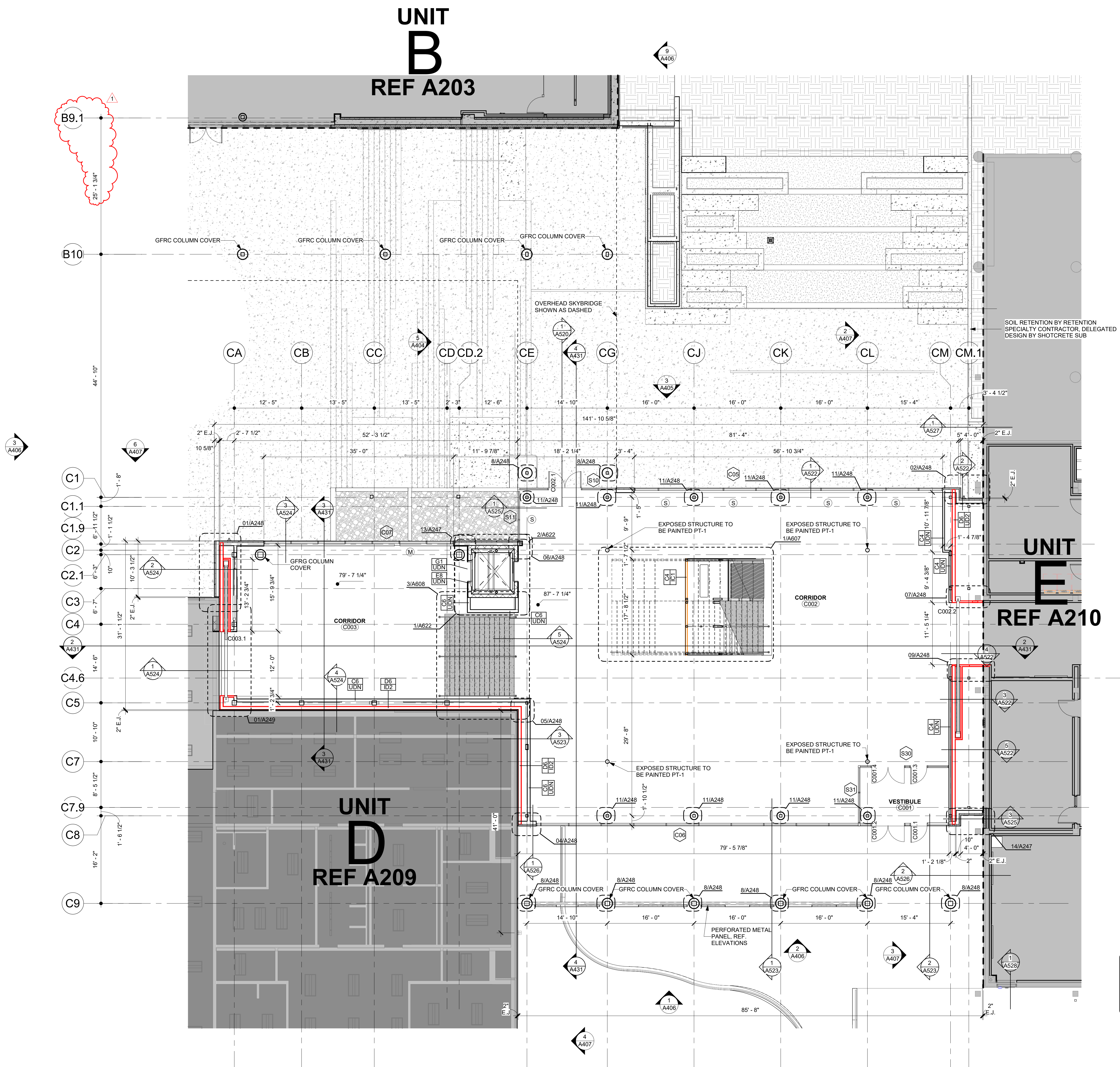
JOB NO.	2359
DATE:	09/19/2024
Floor Plan Level 0.5 Unit C	

A206

FLOOR PLAN SYMBOLS LEGEND			
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1/A101	Callout Tag	X A50X	Wall Section Tag
A101B	Door Tag	X-X'	Spot Elevation Tag
W1	Frame Types Ref. A302	℄	Centerline
X/XXXX	Interior/Casework Elevation	ROOM NAME (A101)	Room Tag and Number
X A40X	Exterior Elevation	□	Furniture and Equipment, By Owner
□	Floor Drain	J C.G.	Corner Guard
S	Window Shades	F.E.B.	Fire Blanket Cabinet
M	Motorized Window Shades	F.E.C.	Fire Extinguisher Cabinet
C	Card Reader Access	A.E.D.	Automated External Defibrillator
M12	Displayboard Type Ref. A302		

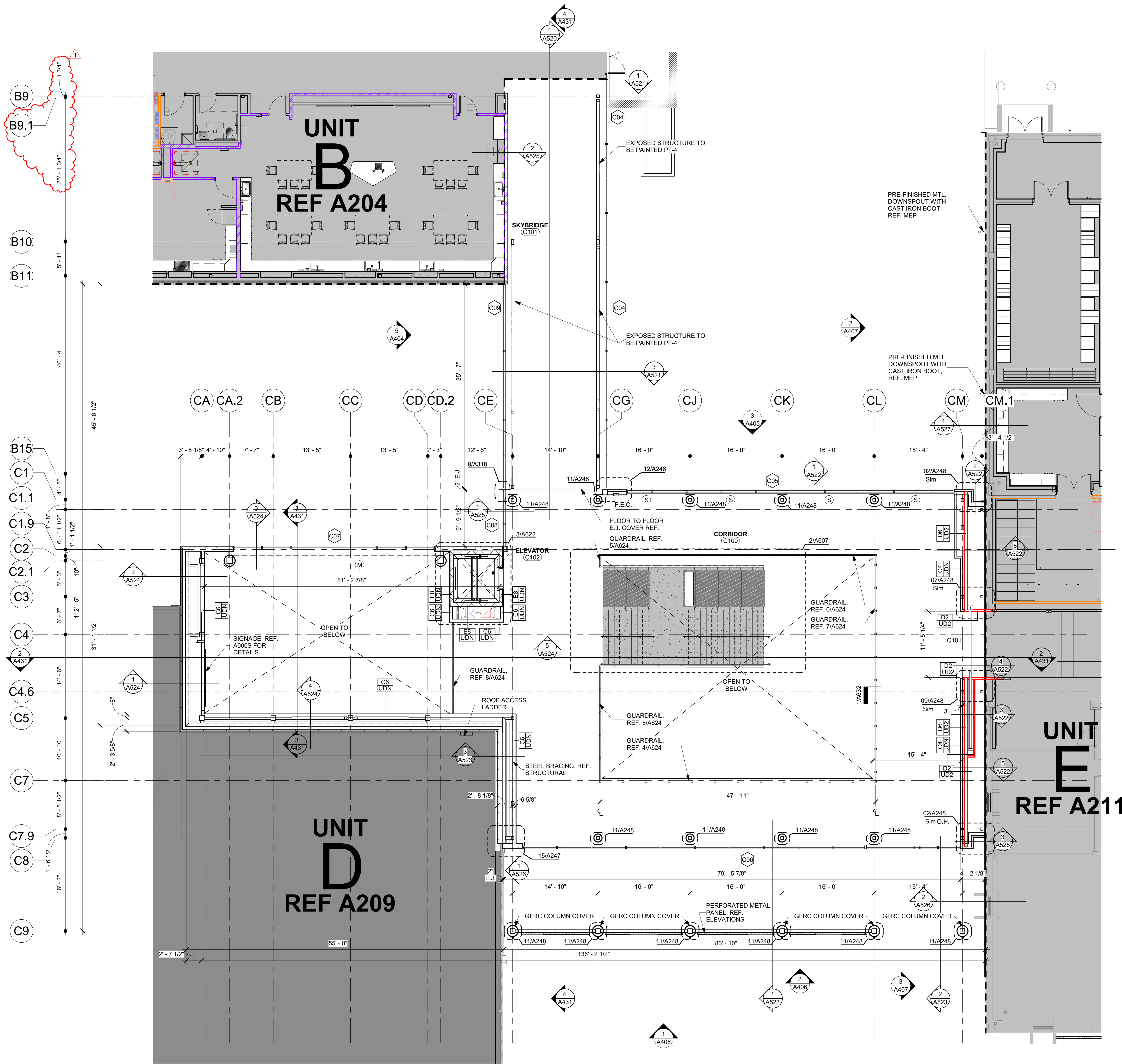
PARTITION SYMBOL LEGEND	
↑	Partition Type - See schedule sheet A302
N	Non-rated partition
S	Construction capable of resisting the passage of smoke, run drywall on room side continuous to deck and fire seal.
1	1 Hour partition
2	2 Hour partition
3	3 Hour partition
4	4 Hour partition
D	Extend wall to underside of structural deck
C	Top of wall to extend to 12" above finished ceiling height
H	Half wall, refer to floor plan for wall height.
U	Uninsulated
I	Insulated with 3" Sound Attenuation Batt Insulation Regardless of Cavity Size
S	Sound partition insulated with Sound Attenuation Batt Insulation same thickness as cavity size. Provide acoustical sealant bead between top of stud runner and structure and between bottom stud track and floor. Provide acoustical sealant bead around all wall penetrations. Offset back to back outlets by one stud cavity. Refer to STC Rating on Partition Schedule for required STC value.

Wall Partition Rating Legend	
□	UNRATED ASSEMBLY
▨	1 HOUR RATED ASSEMBLY
▩	2 HOUR RATED ASSEMBLY
▪	SMOKE RATED ASSEMBLY



Alternate #7
Base Bid Scope as shown to be bid.
Deduct Alternate Bid: Remove exterior perforated panels between columns at entrances (Unit A spine, Unit C entry, Unit E facade).

1 Floor Plan - Level 0.5 Unit C
1/8" = 1'-0"

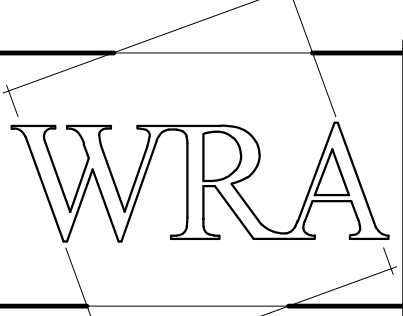


FLOOR PLAN SYMBOLS LEGEND			
1	Column Grid Bubble		Building Section Tag
1/A101 SIM	Callout Tag		Wall Section Tag
A101B	Door Tag		Spot Elevation Tag
	Frame Types Ref. A302		Centerline
X/XXXX	Interior/Casework Elevation	ROOM NAME (A101)	Room Tag and Number
	Exterior Elevation		Furniture and Equipment, By Owner
	Floor Drain		Corner Guard
	Window Shades		Fire Blanket Cabinet
	Motorized Window Shades		Fire Extinguisher Cabinet
	Card Reader Access		Automated External Defibrillator
	Displayboard Type Ref. A302		

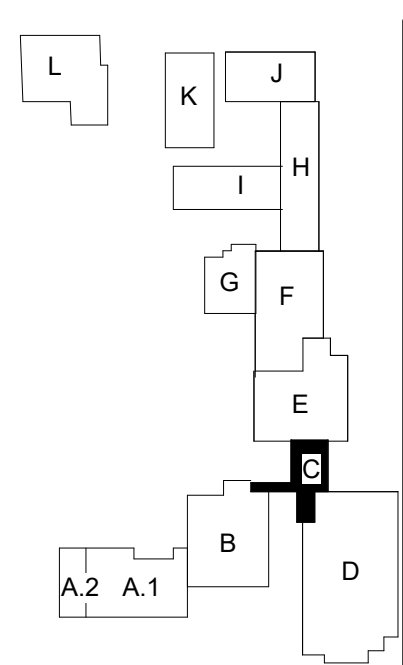
PARTITION SYMBOL LEGEND	
	Partition Type - See schedule sheet A302
N	Non-rated partition
S	Construction capable of resisting the passage of smoke, run drywall on room side continuous to deck and fire seal.
1	1 Hour partition
2	2 Hour partition
3	3 Hour partition
4	4 Hour partition
D	Extend wall to underside of structural deck
C	Top of wall to extend to 12" above finished ceiling height
H	Half wall, refer to floor plan for wall height.
U	Uninsulated
I	Insulated with 3" Sound Attenuation Batt Insulation Regardless of Cavity Size
S	Sound partition insulated with Sound Attenuation Batt Insulation same thickness as cavity size. Provide acoustical sealant bead between top of stud runner and structure and between bottom stud track and floor. Provide acoustical sealant bead around all wall penetrations. Offset back to back outlets by one stud cavity. Refer to STC Rating on Partition Schedule for required STC value.

Wall Partition Rating Legend	
	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

Alternate #7
Base Bid/Scope as shown to be bid.
Deduct Alternate Bid: Remove exterior perforated panels between columns at entrances (Unit A spine, Unit C entry, Unit E facade).



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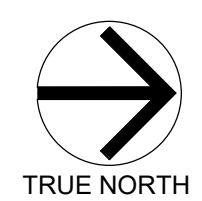
Castleberry ISD High School Addn.
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REVISIONS:	
No.	Date
1	Addendum #1 09/19/2024

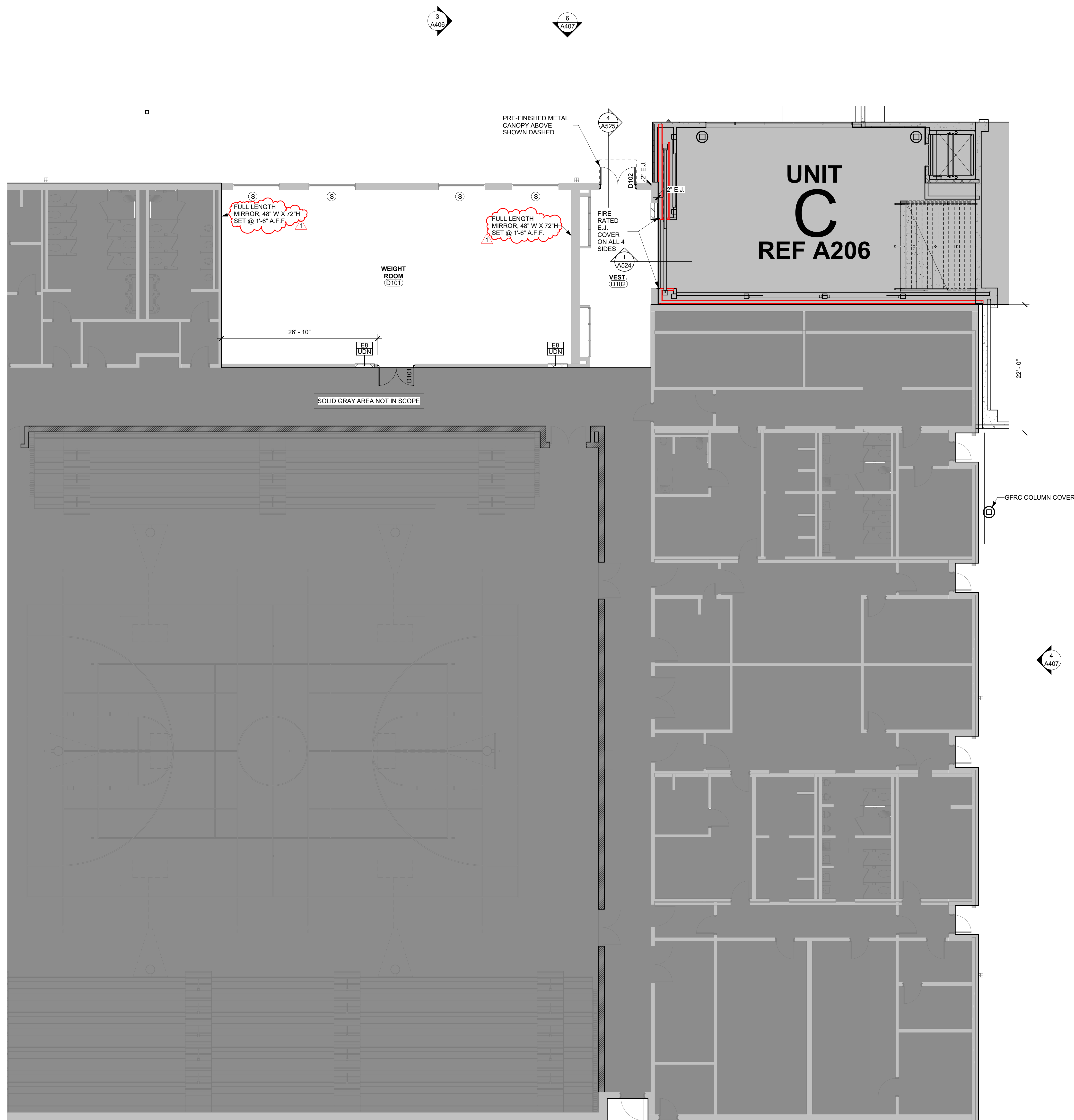
JOB NO. 2399
DATE: 09/19/2024
Floor Plan Level 1 Unit C

1 Floor Plan - Level 1 Unit C
1/8" = 1'-0"

9/19/2024 2:24:12 PM



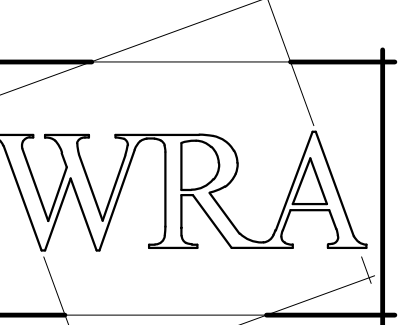
1 Floor Plan - Level 0 Unit D
1/8" = 1'-0"



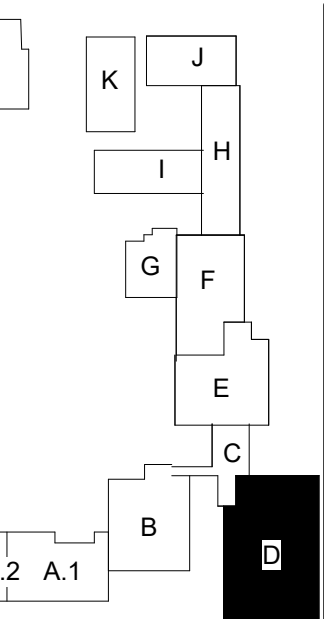
FLOOR PLAN SYMBOLS LEGEND			
1	Column Grid Bubble		Building Section Tag
1/A101	Callout Tag		Wall Section Tag
A101B	Door Tag		Spot Elevation Tag
	Frame Types Ref. A302		Centerline
X/XXXX	Interior/Casework Elevation	ROOM NAME (A101)	Room Tag and Number
	Exterior Elevation		Furniture and Equipment, By Owner
	Floor Drain		Corner Guard
	Window Shades		Fire Blanket Cabinet
	Motorized Window Shades		Fire Extinguisher Cabinet
	Card Reader Access		Automated External Defibrillator
	Displayboard Type Ref. A302		

PARTITION SYMBOL LEGEND	
	Partition Type - See schedule sheet A302
N	Non-rated partition
S	Construction capable of resisting the passage of smoke, run drywall on room side continuous to deck and fire seal.
1	1 Hour partition
2	2 Hour partition
3	3 Hour partition
4	4 Hour partition
D	Extend wall to underside of structural deck
C	Top of wall to extend to 12" above finished ceiling height
H	Half wall, refer to floor plan for wall height.
U	Uninsulated
I	Insulated with 3" Sound Attenuation Batt Insulation Regardless of Cavity Size
S	Sound partition insulated with Sound Attenuation Batt Insulation same thickness as cavity size. Provide acoustical sealant bead between top of stud runner and structure and between bottom stud track and floor. Provide acoustical sealant bead around all wall penetrations. Offset back to back outlets by one stud cavity. Refer to STC Rating on Partition Schedule for required STC value.

Wall Partition Rating Legend	
	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY



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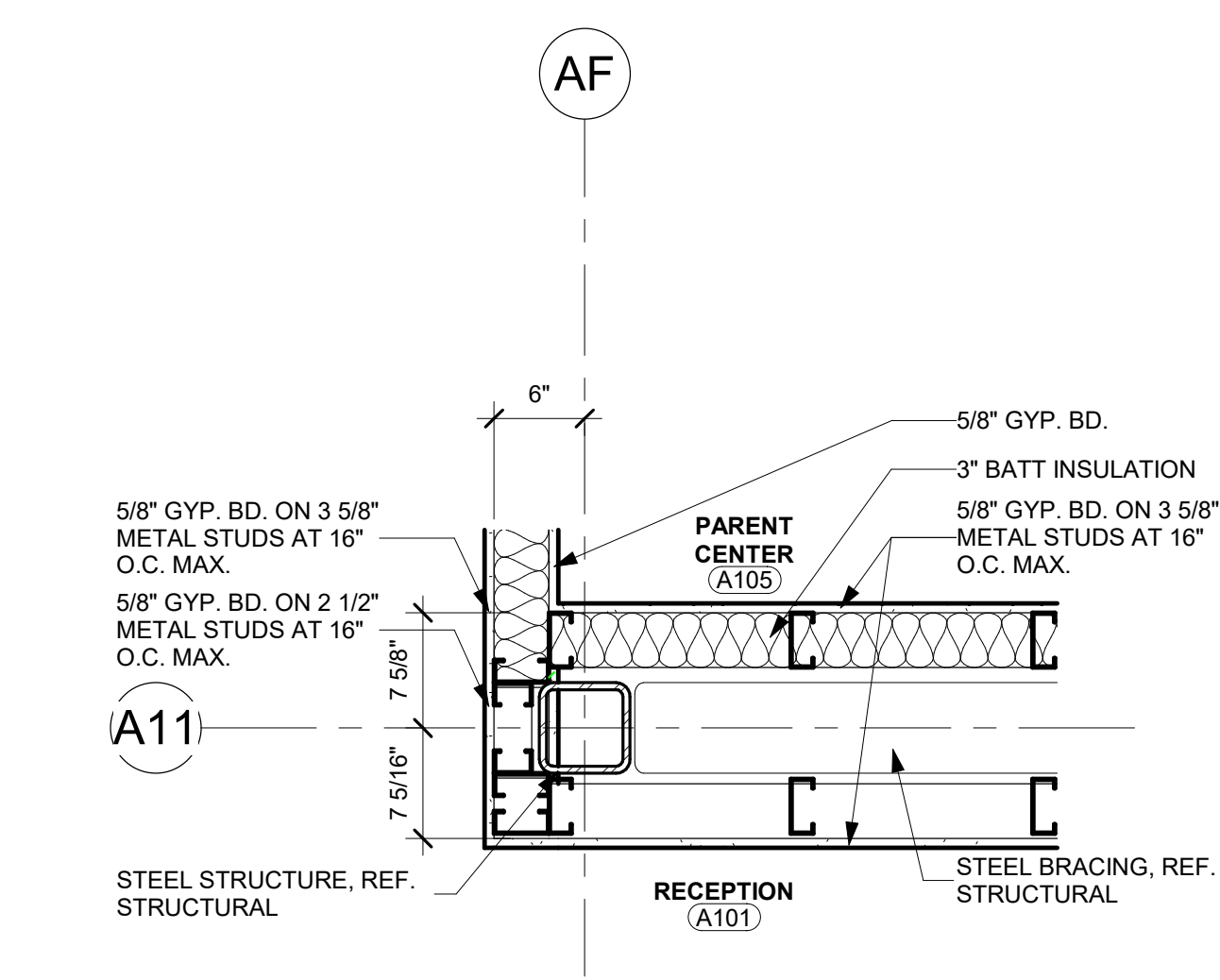


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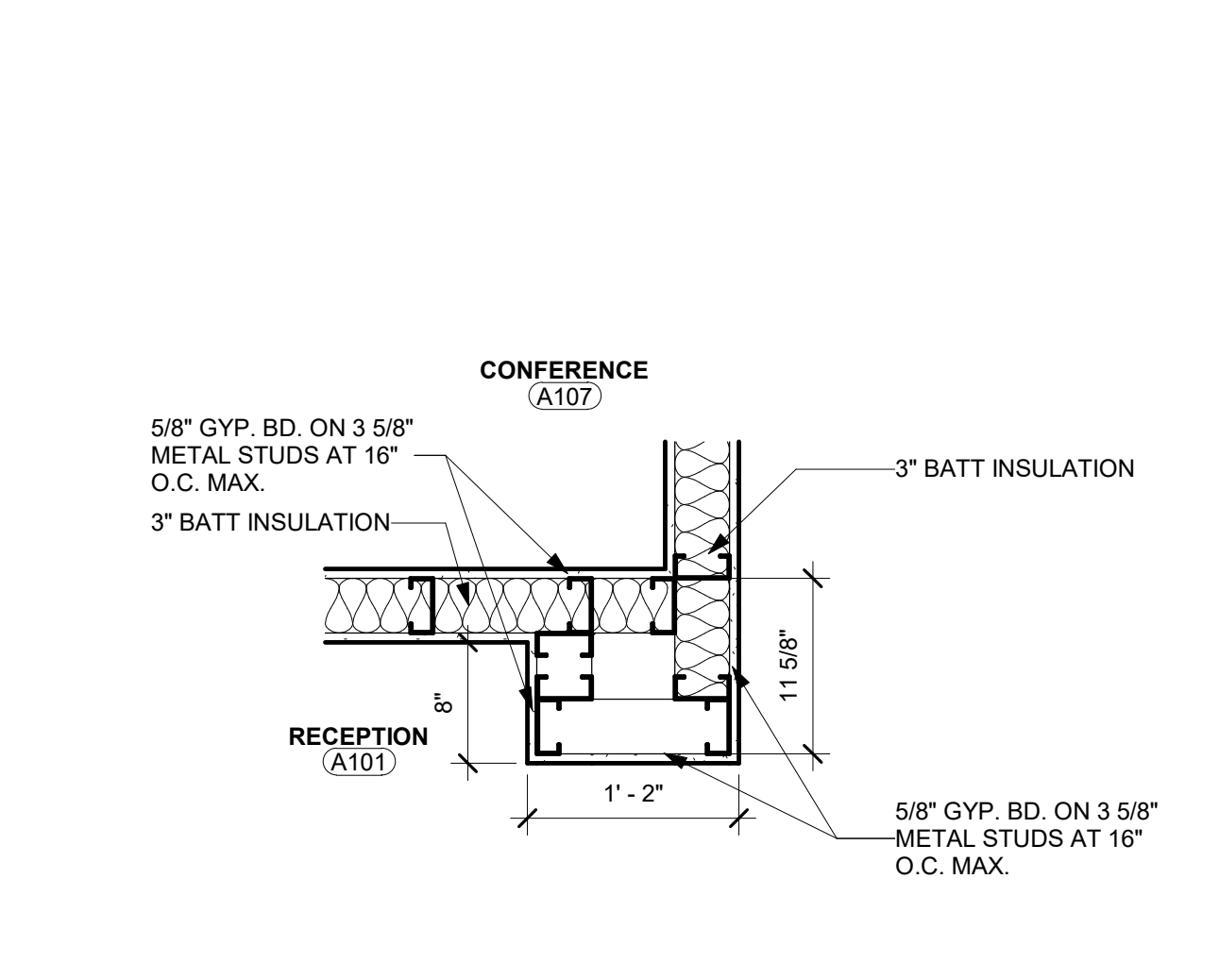
REVISIONS:	
No.	Date
1 Addendum #1	09/19/2024

JOB NO.	2399
DATE:	09/19/2024
Floor Plan Level 0 Unit D	

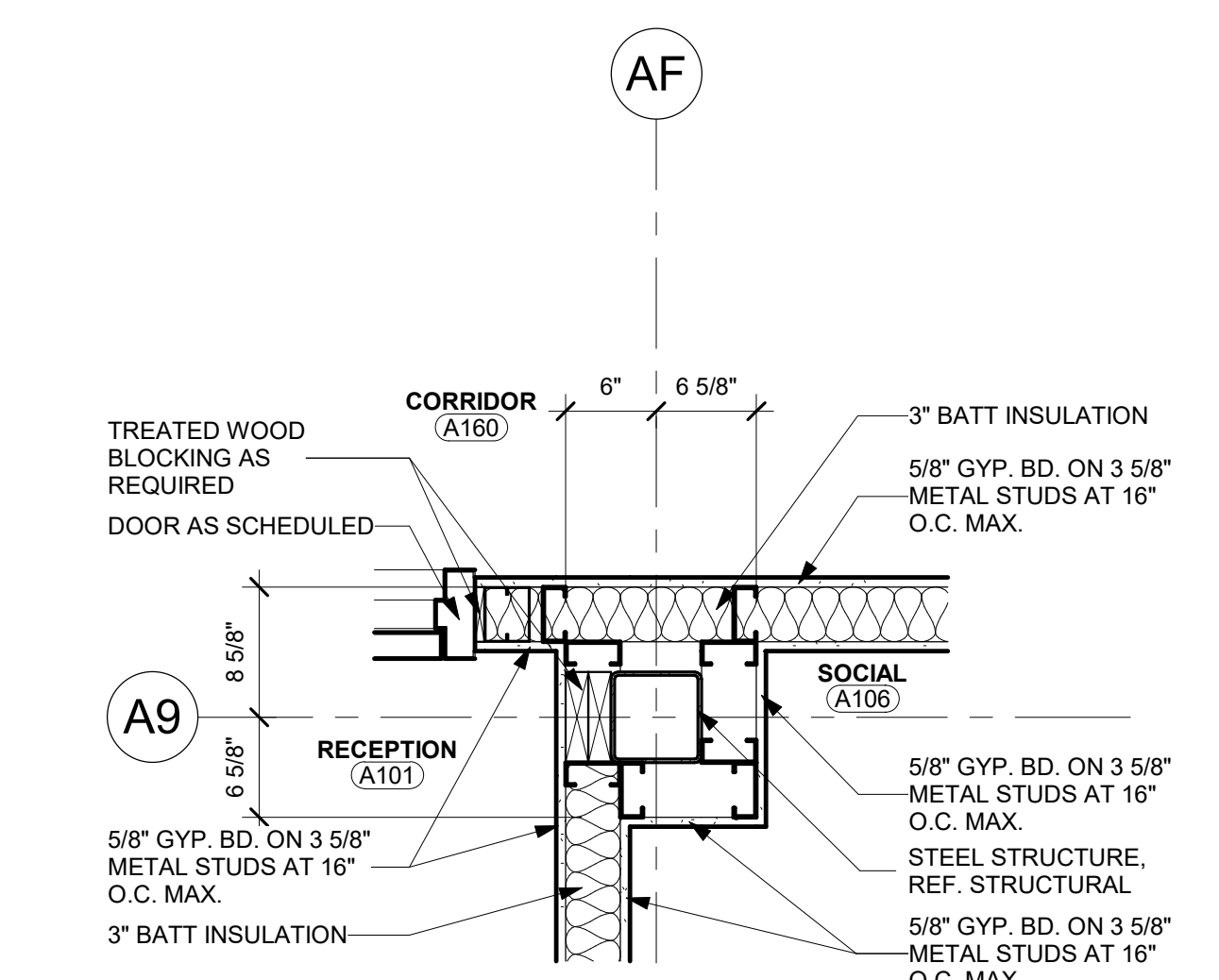
A209



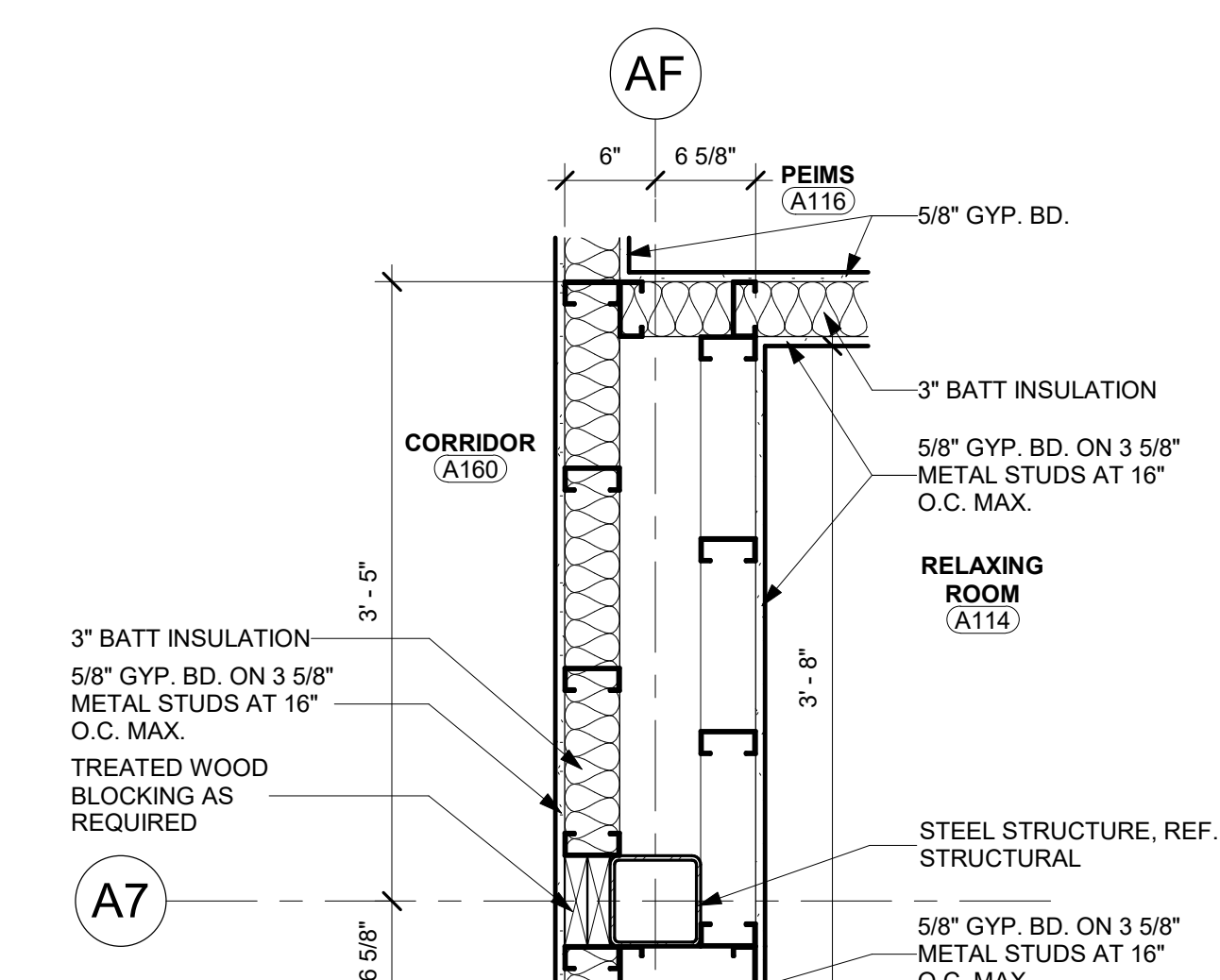
01 Level 1 Unit A.1 - Detail A11-AF
1" = 1'-0"



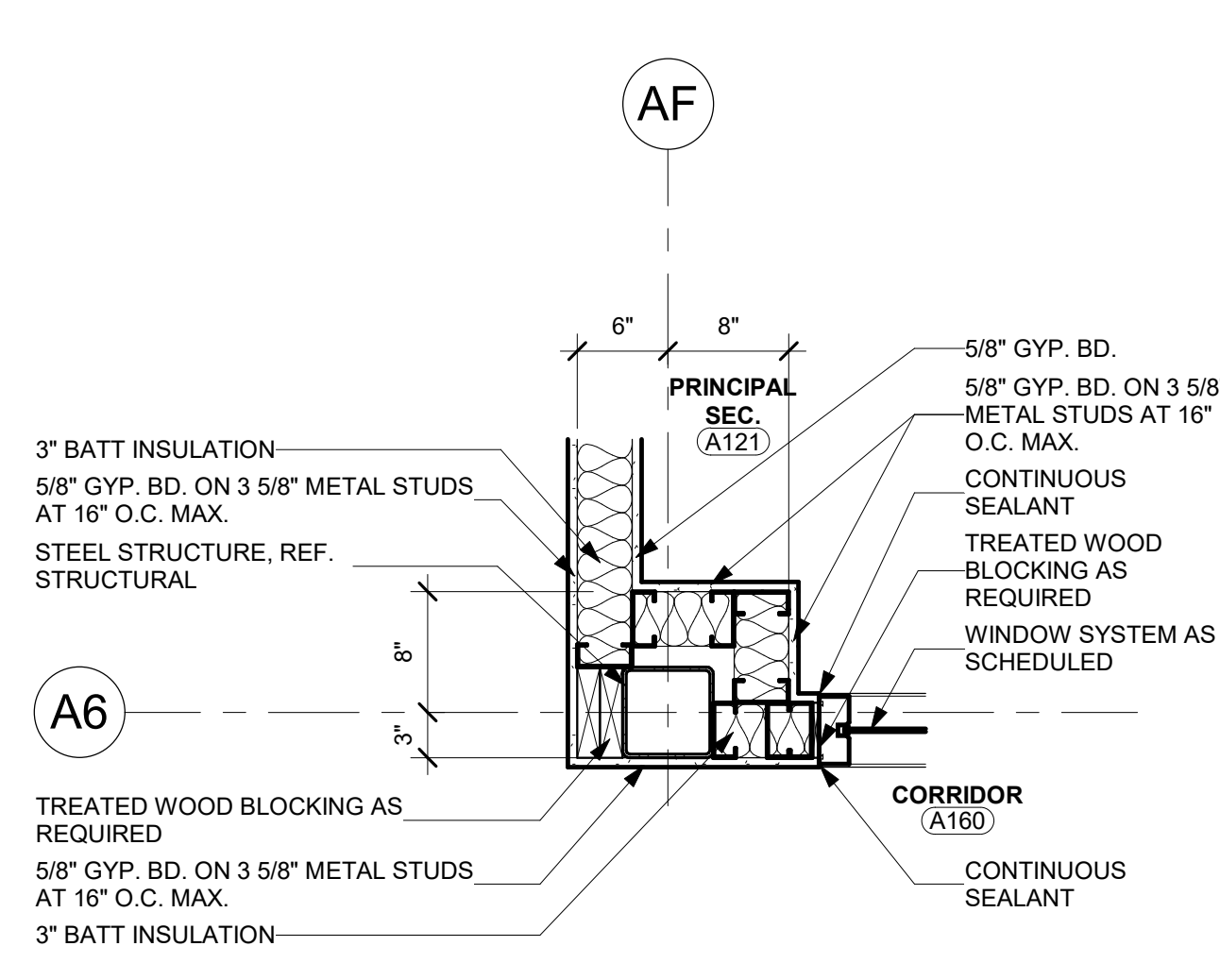
02 Level 1 Unit A - Detail 1
1" = 1'-0"



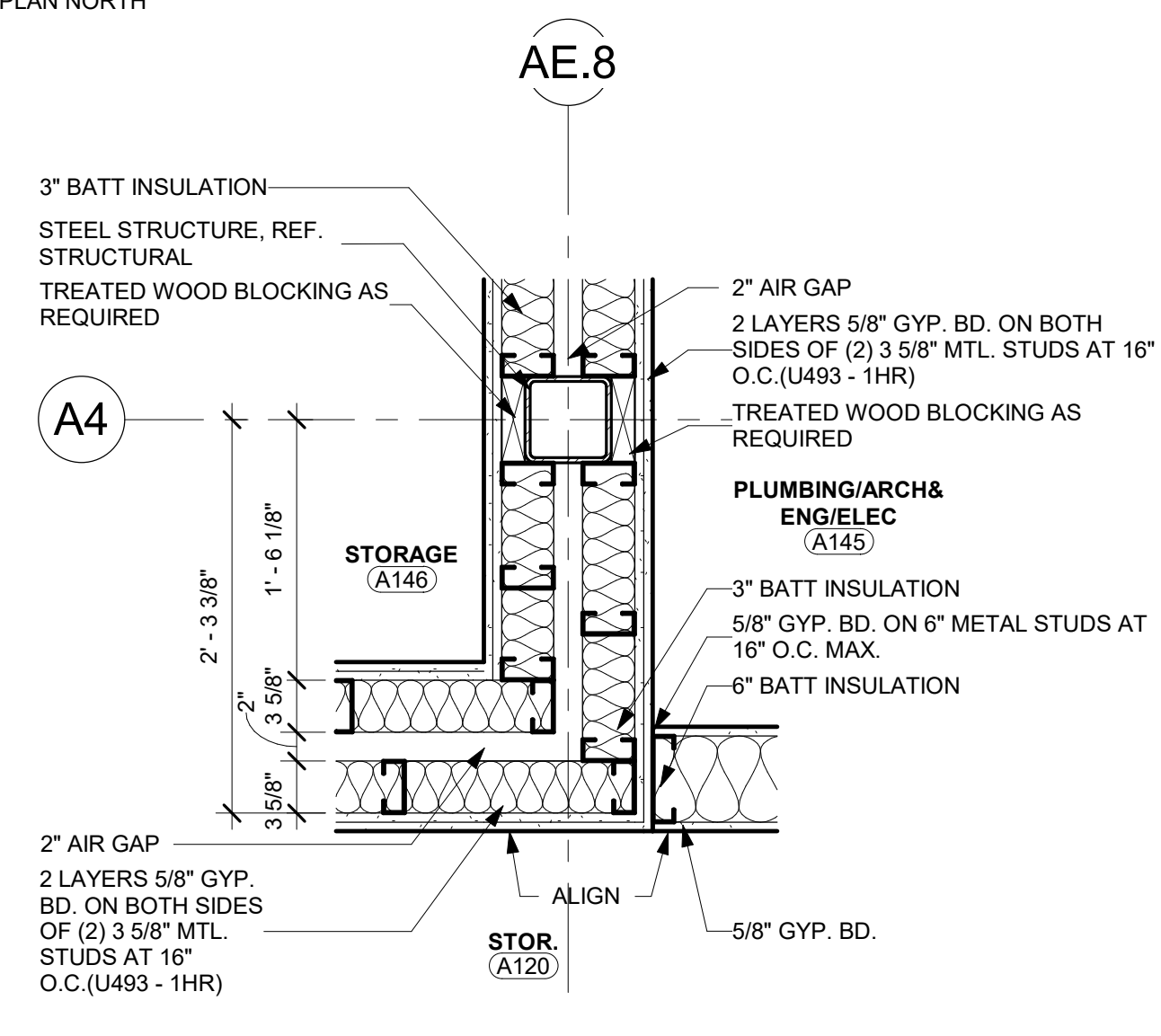
03 Level 1 Unit A.1 - Detail A9-AF
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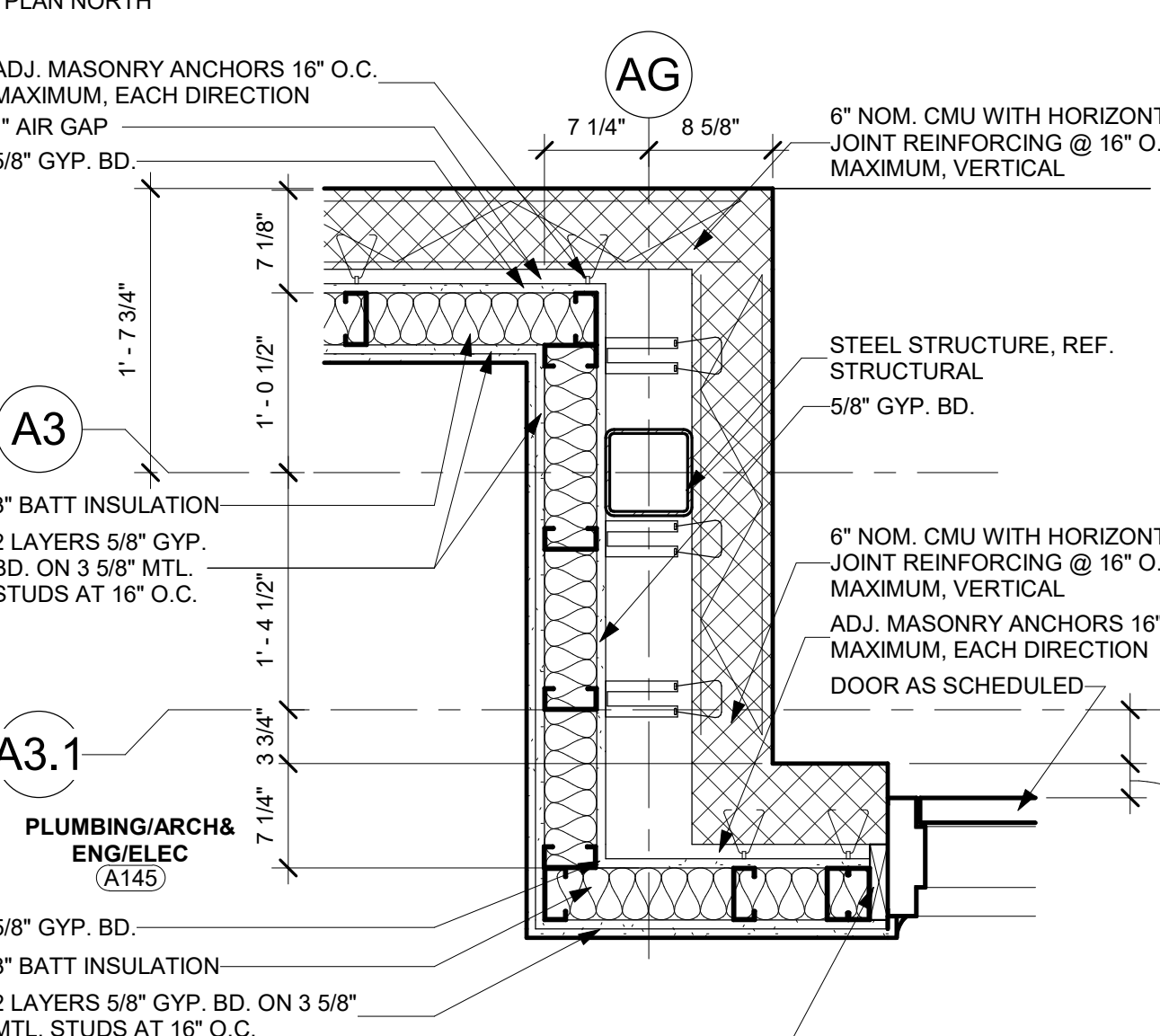
04 Level 1 Unit A.1 - Detail A7-AF
1" = 1'-0"



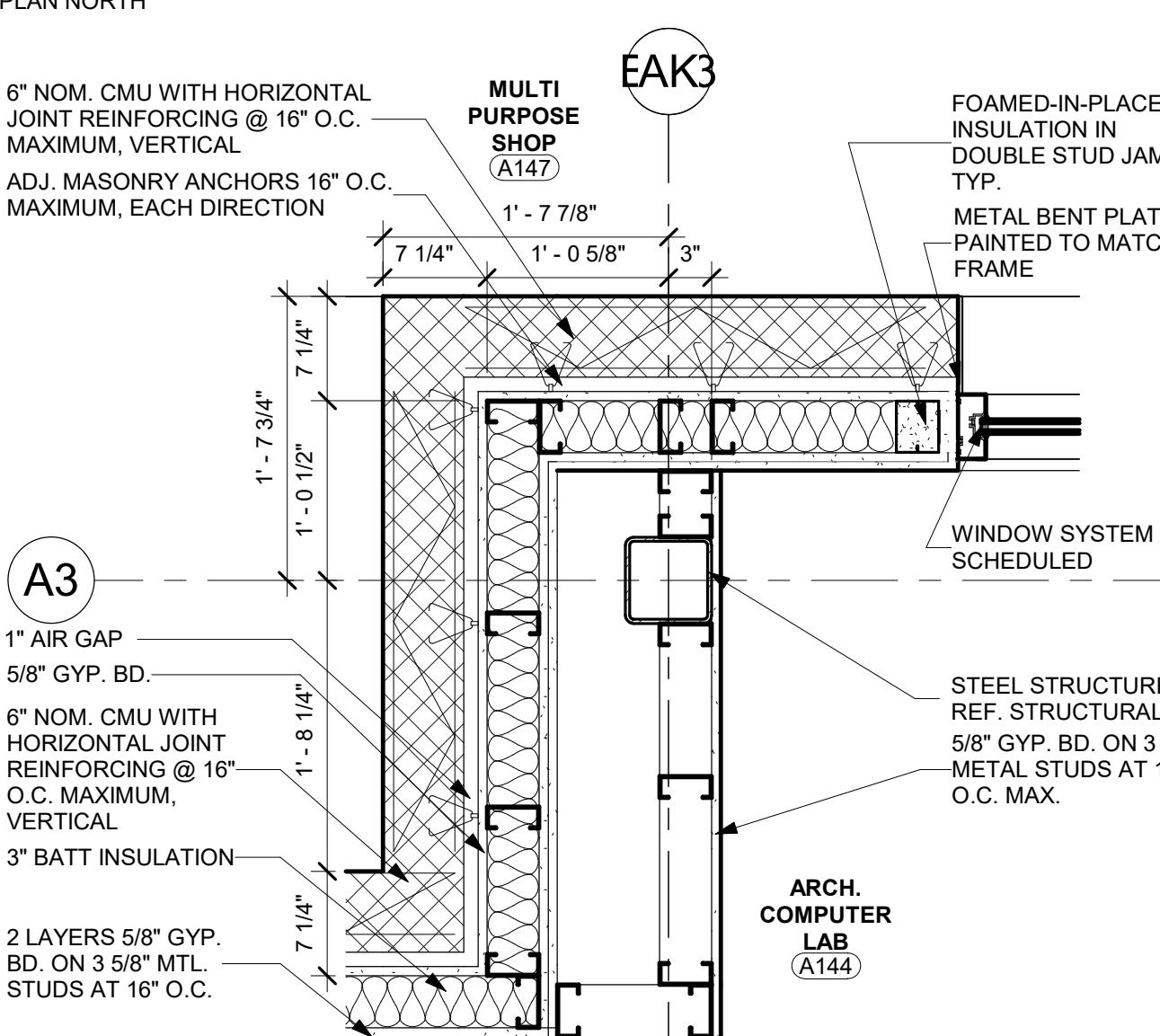
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1" = 1'-0"



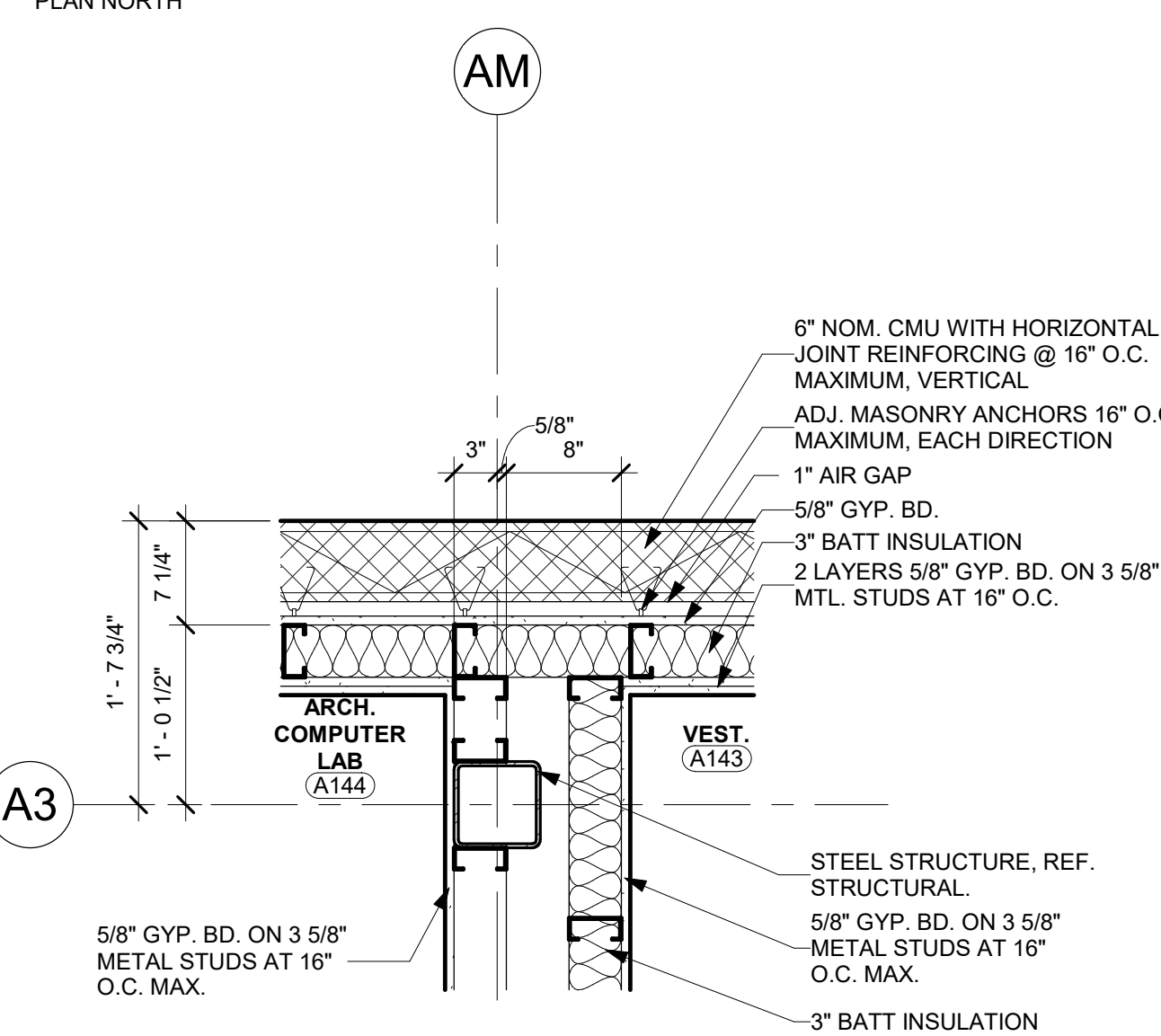
06 Level 1 Unit A.1 - Detail A4
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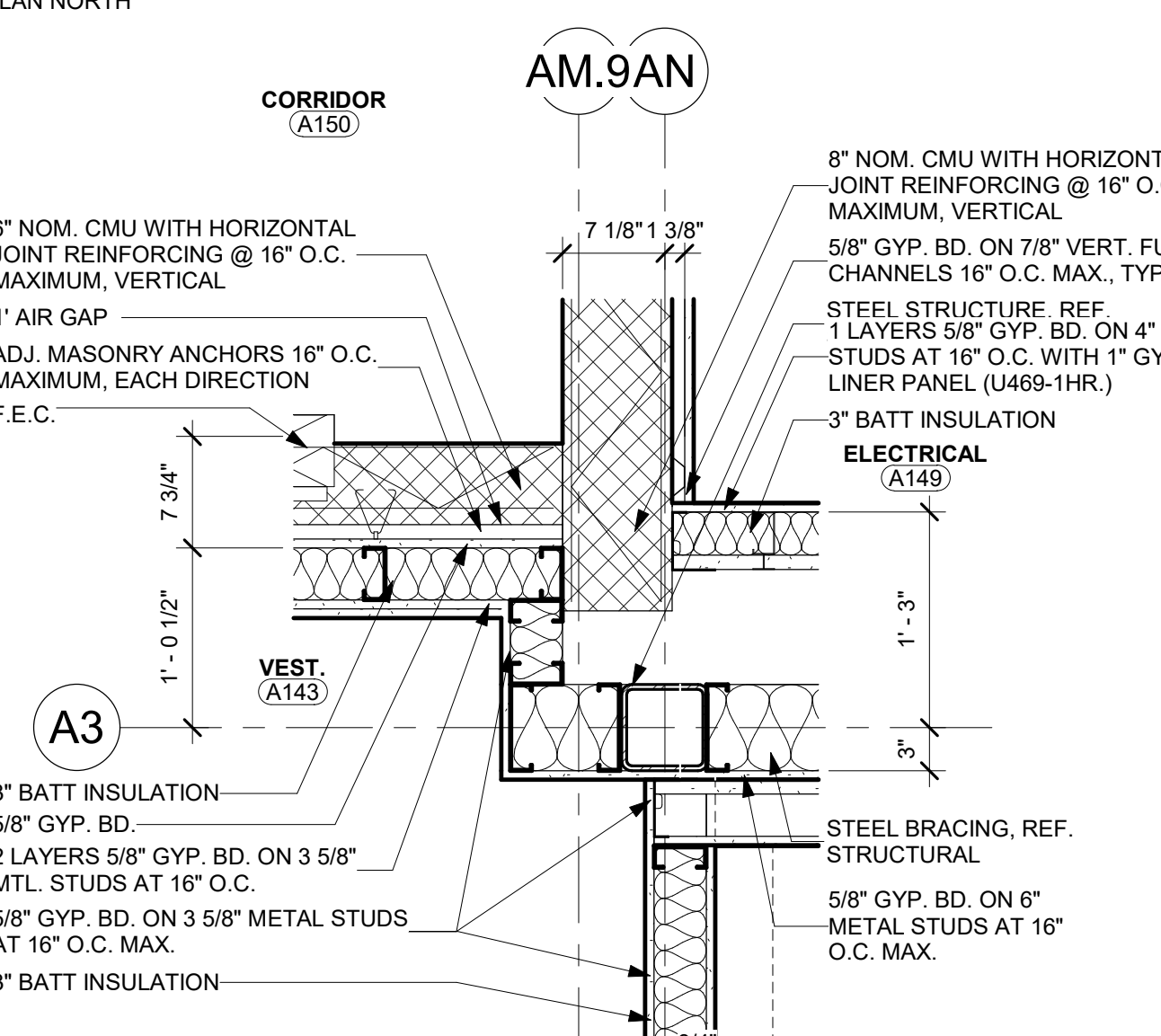
07 Level 1 Unit A.1 - Detail A3-AG
1" = 1'-0"



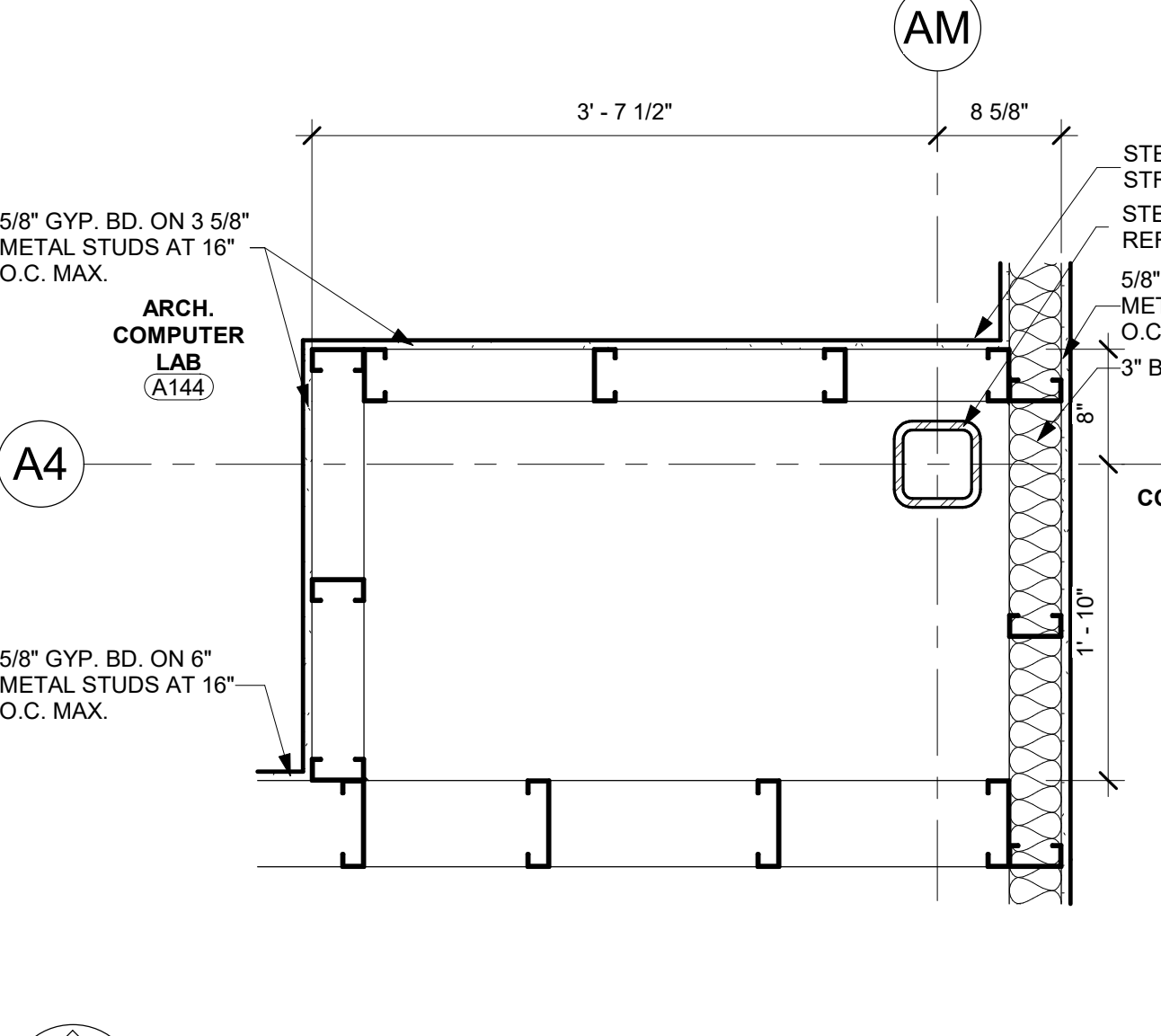
08 Level 1 Unit A.1 - Detail A3-AK
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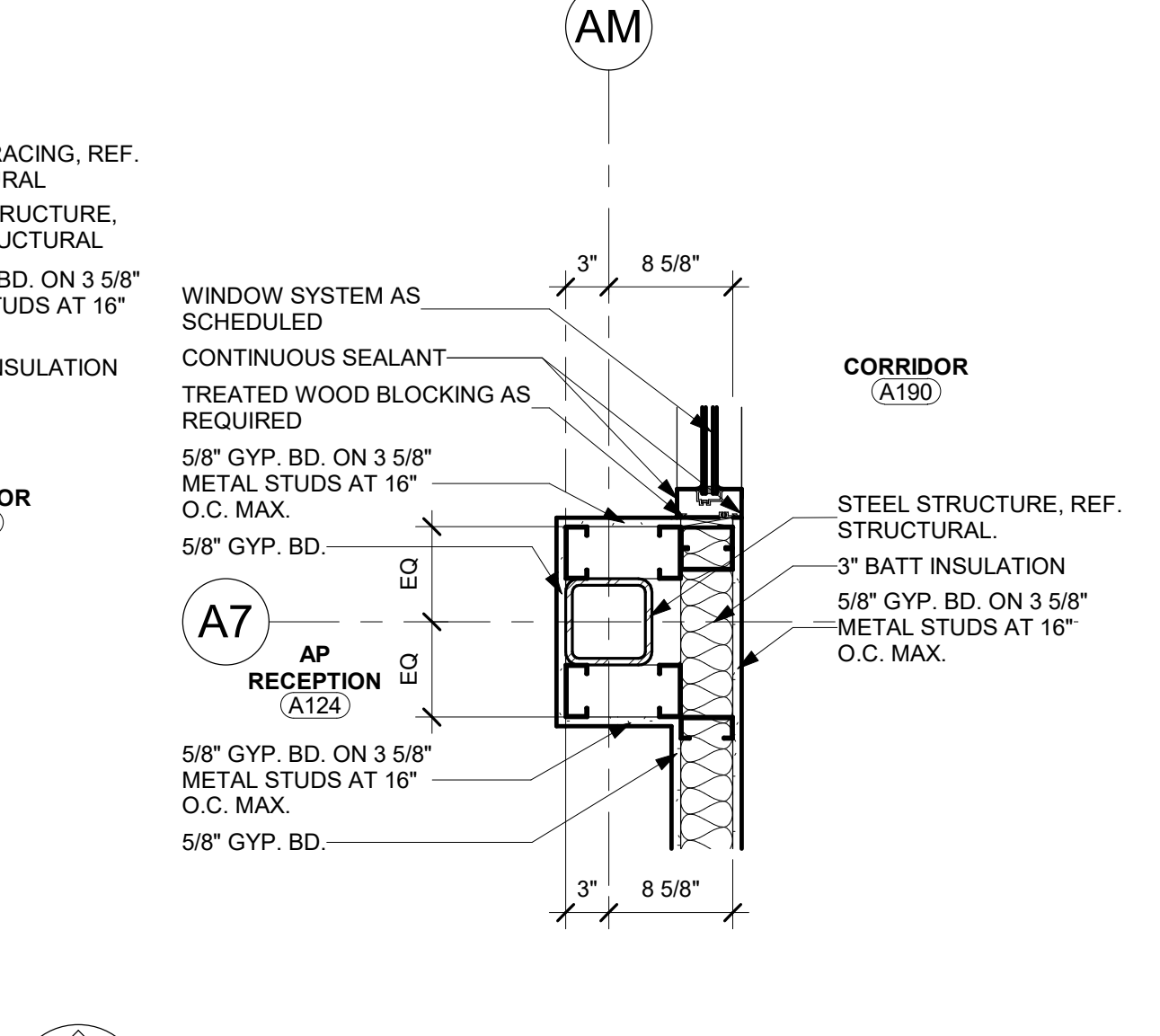
09 Level 1 Unit A.1 - Detail A3-AM
1" = 1'-0"



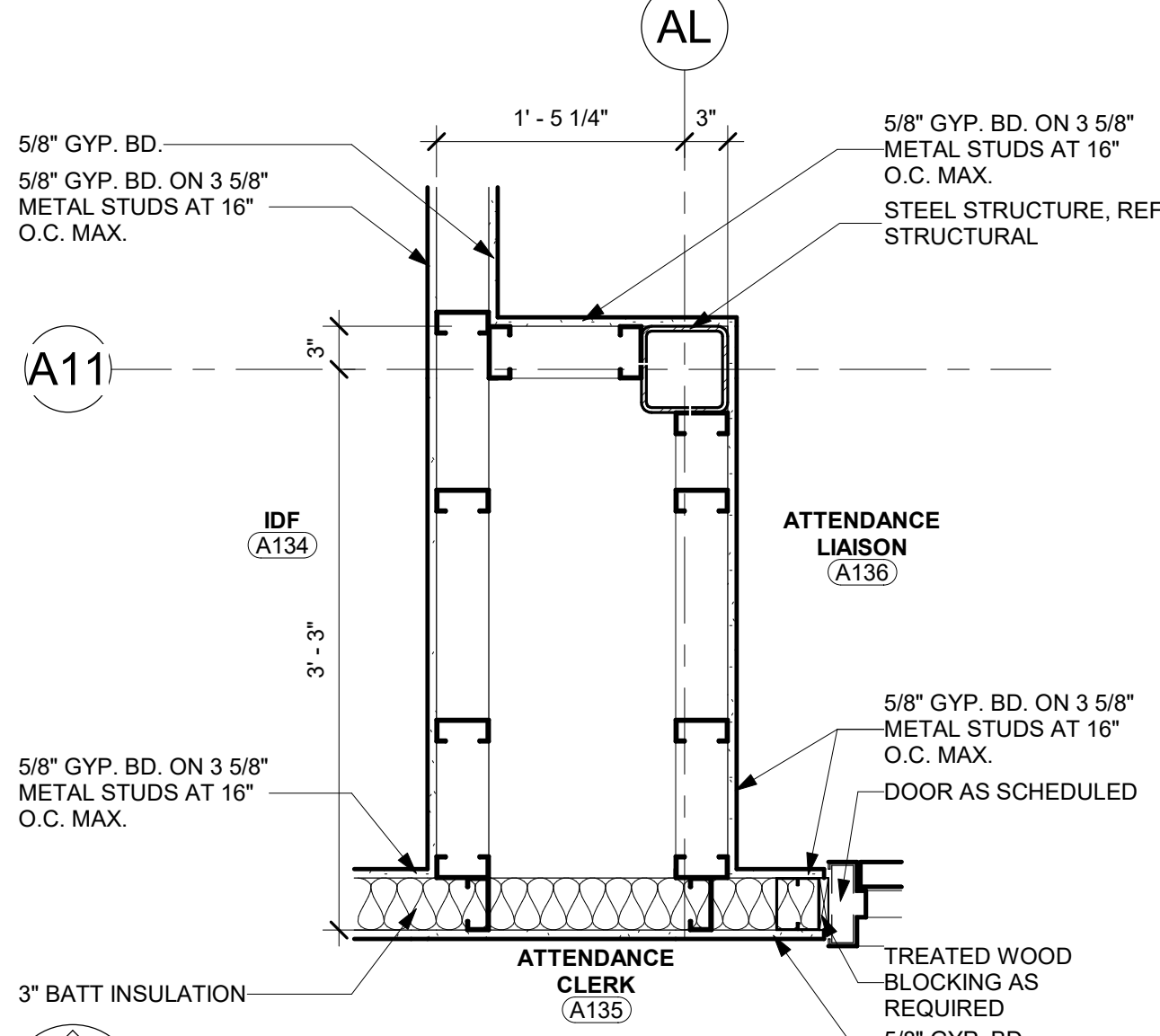
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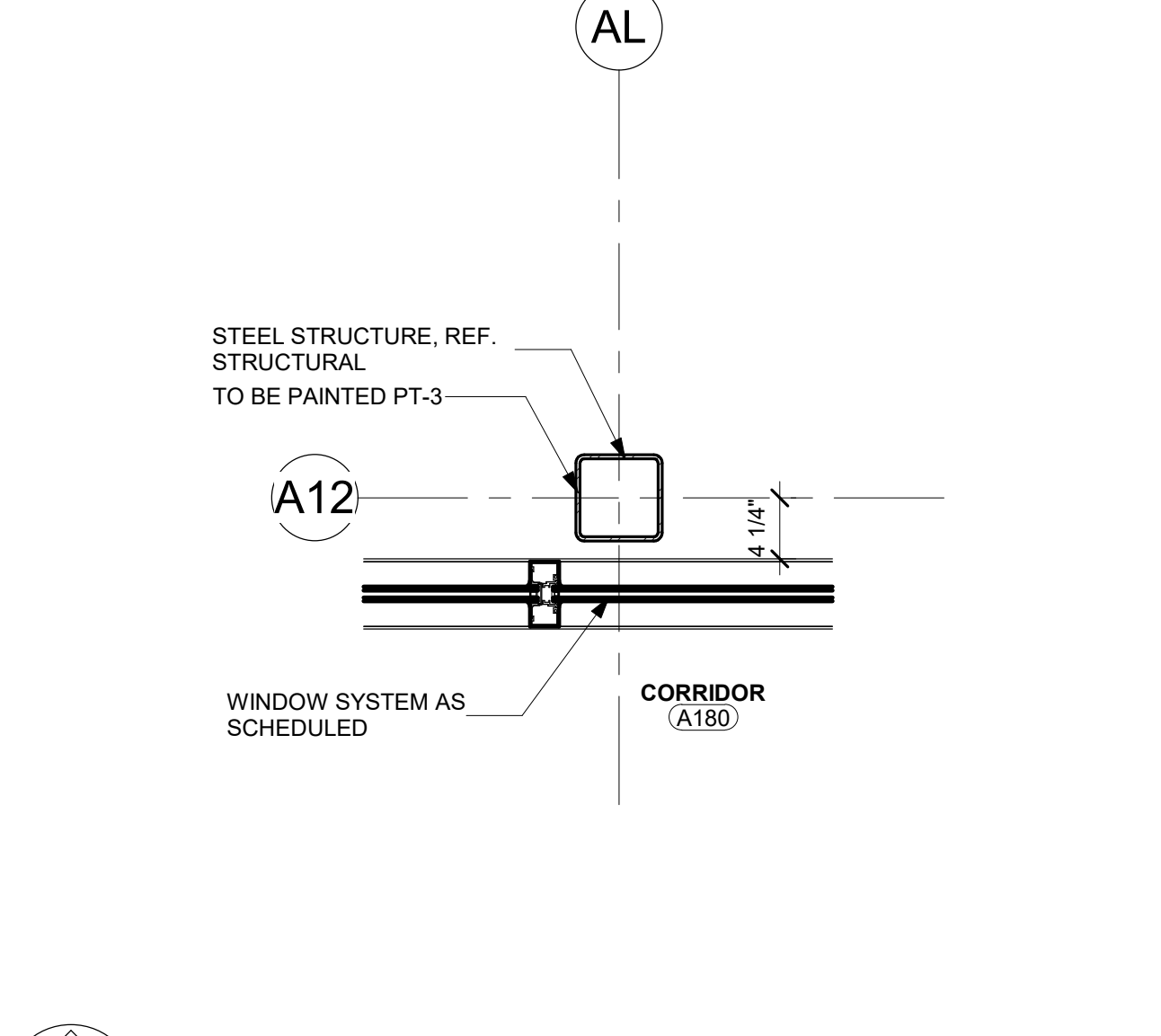
11 Level 1 Unit A.1 - Detail A4-AM
1" = 1'-0"



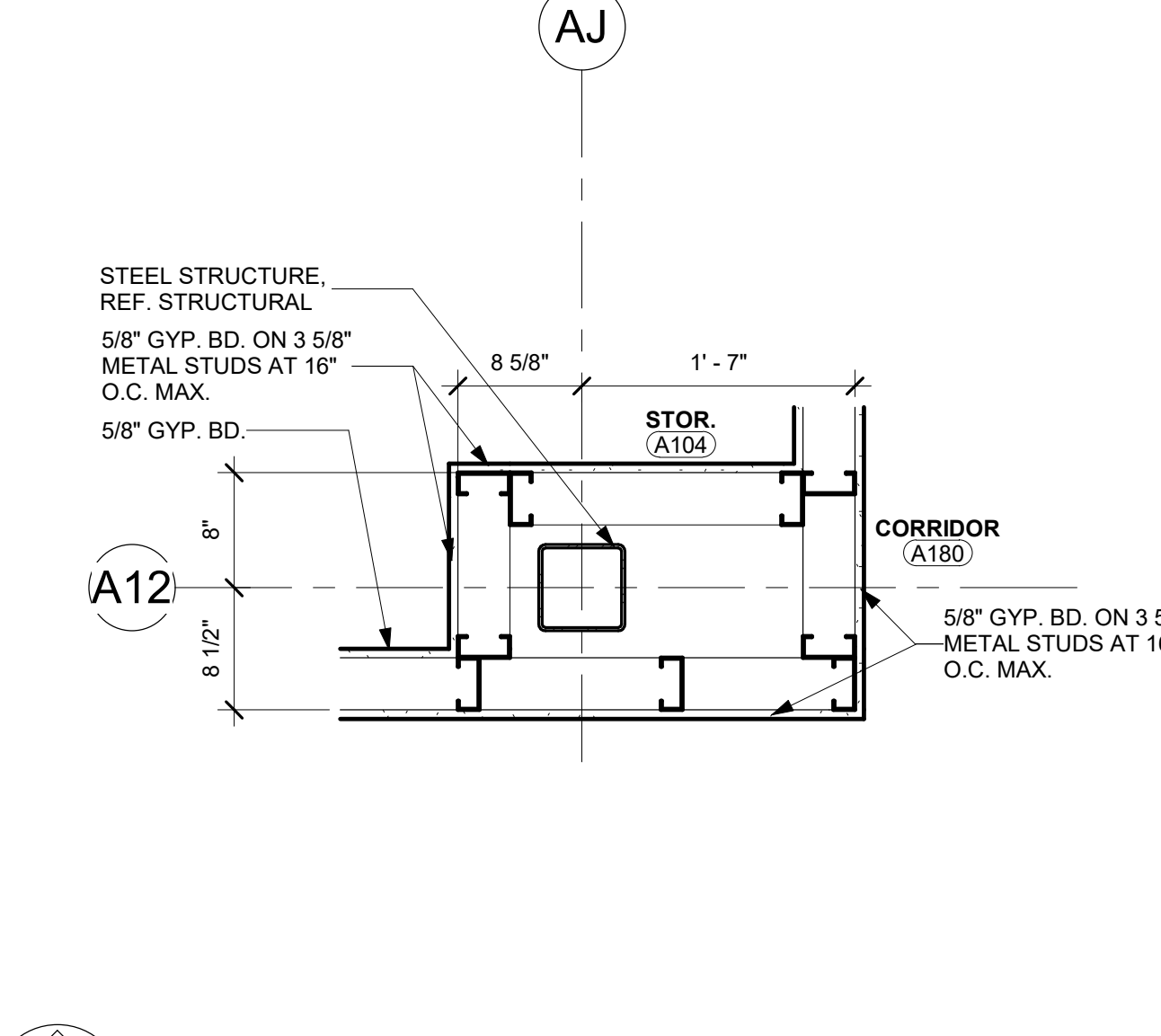
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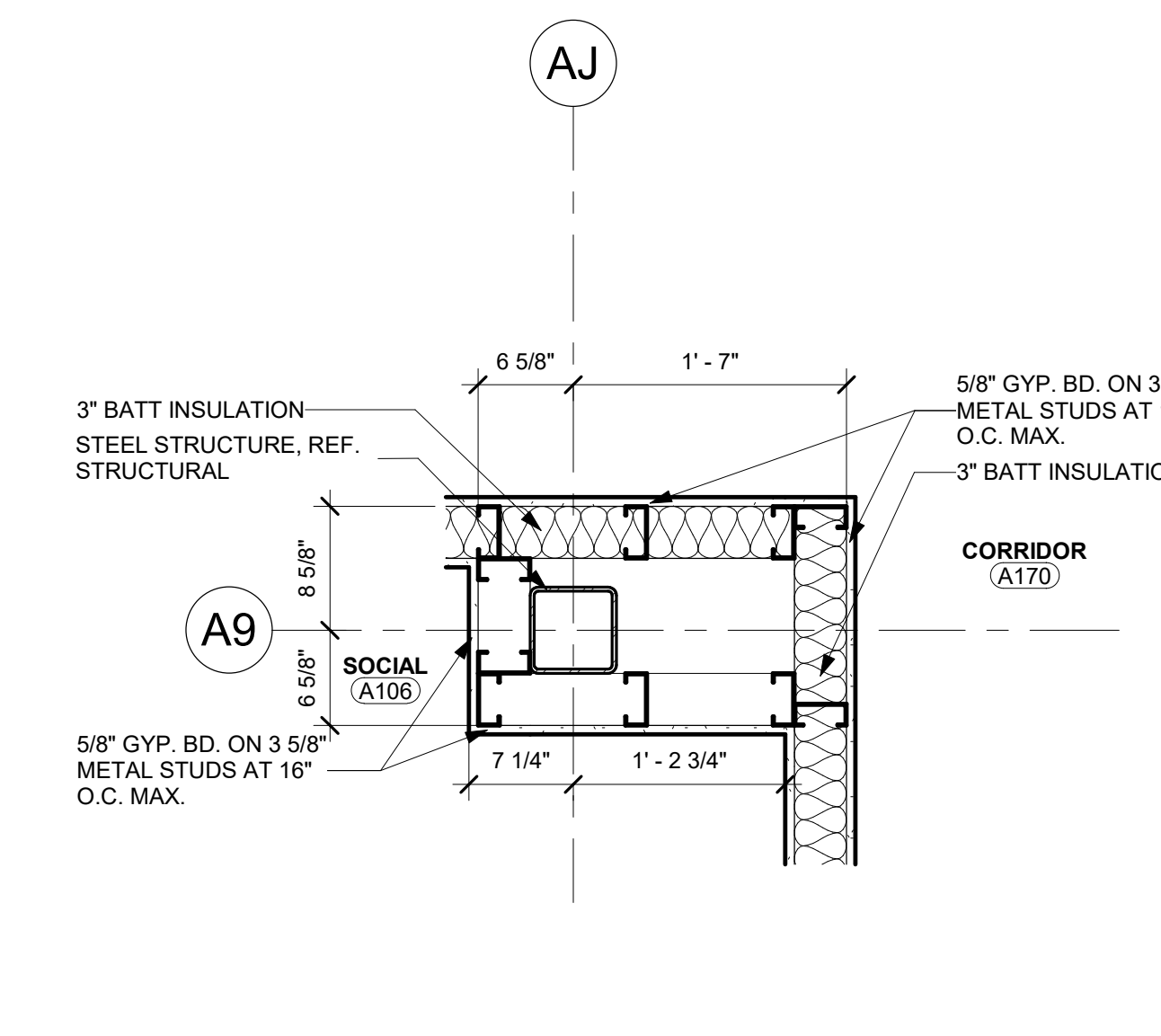
13 Level 1 Unit A.1 - Detail A11-AL
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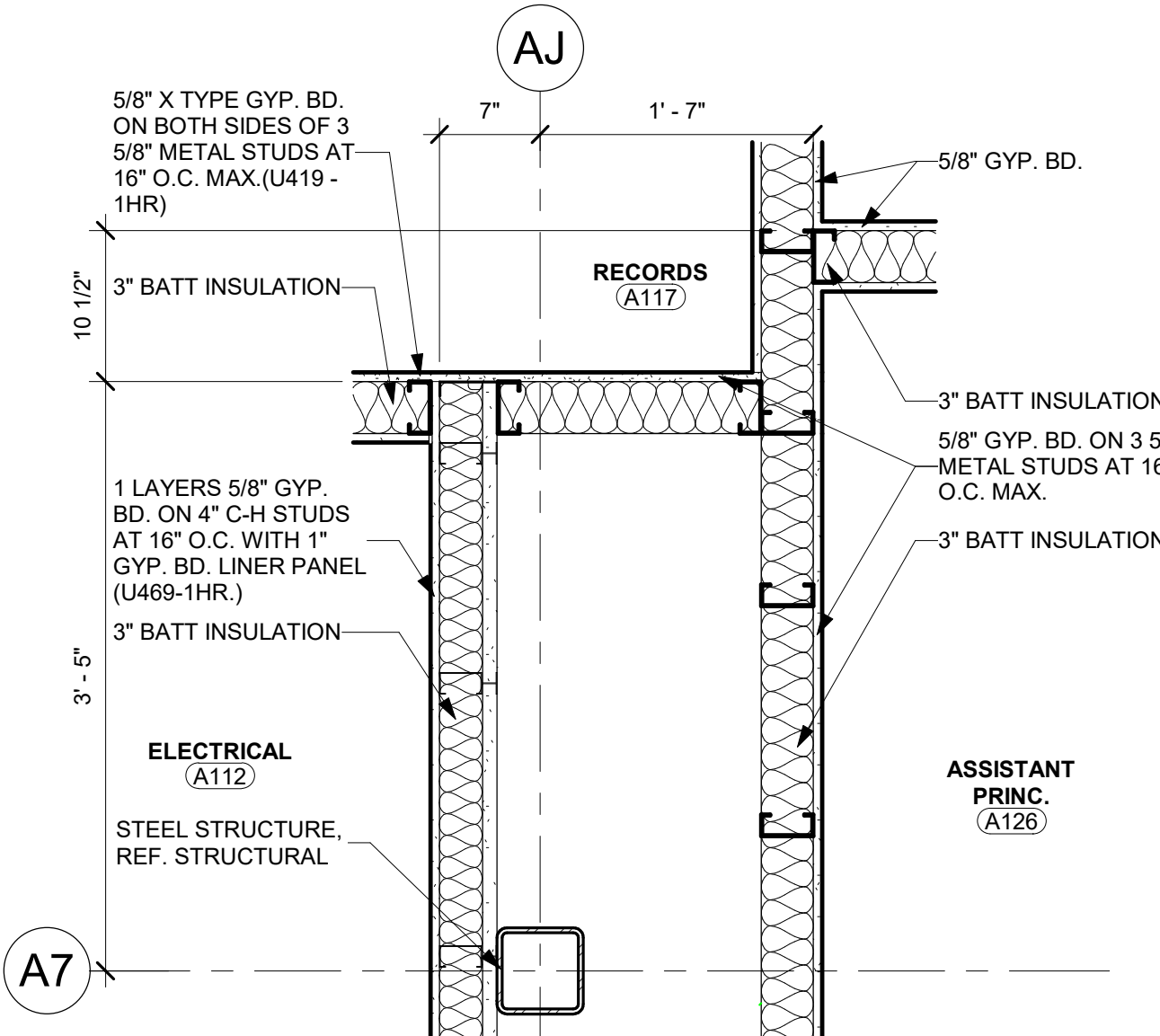
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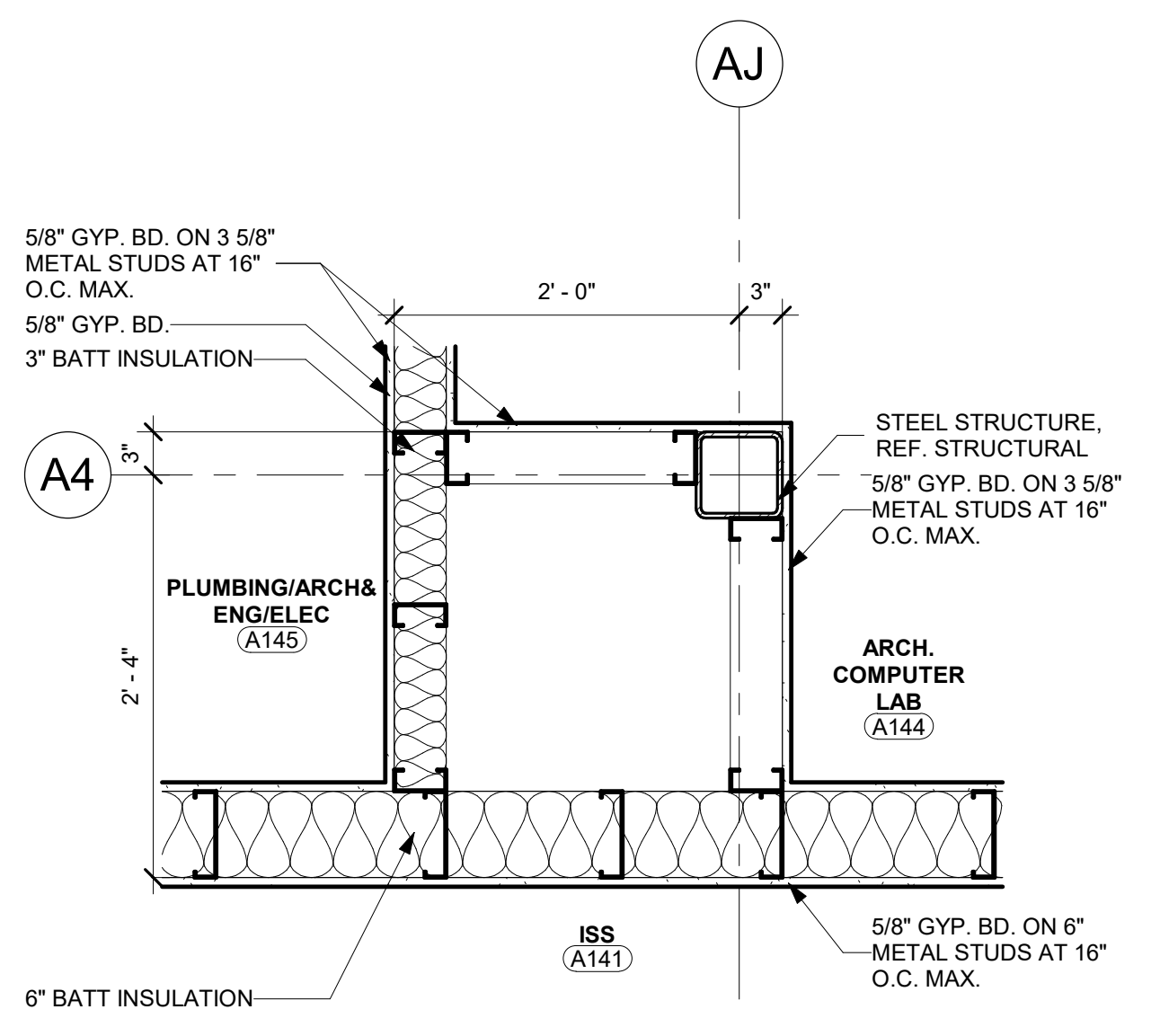
15 Level 1 Unit A - Detail A12-AJ
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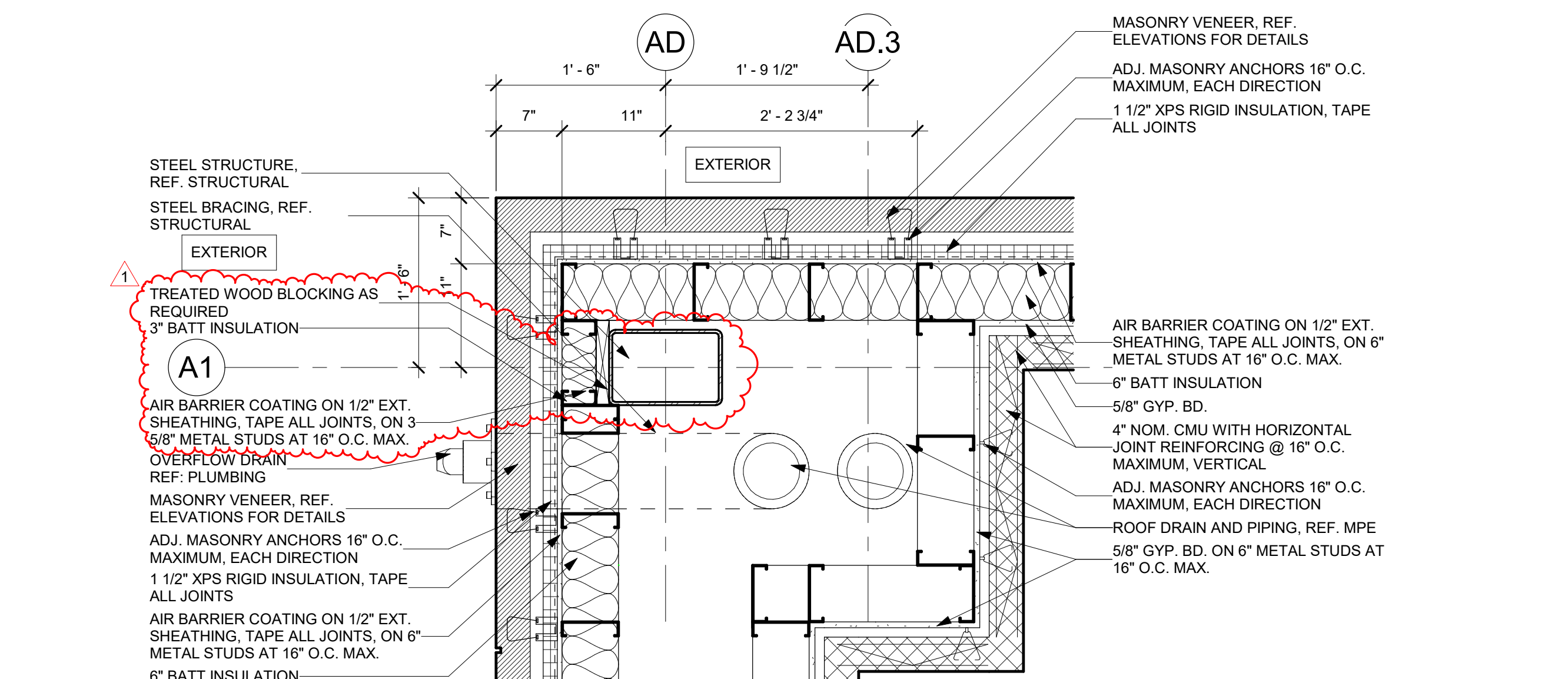
16 Level 1 Unit A.1 - Detail A9-AJ
1" = 1'-0"



17 Level 1 Unit A.1 - Detail A7-AJ
1" = 1'-0"



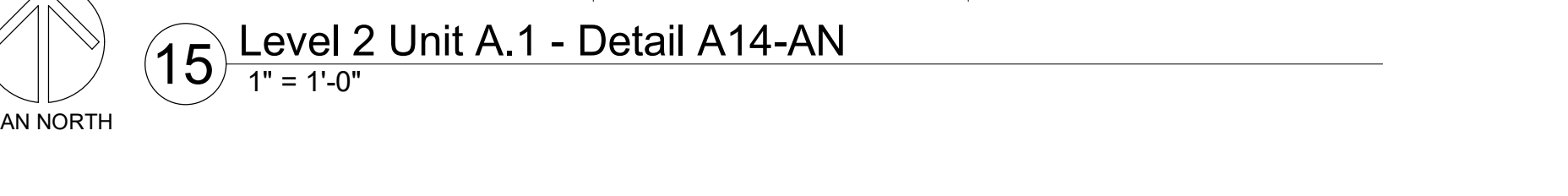
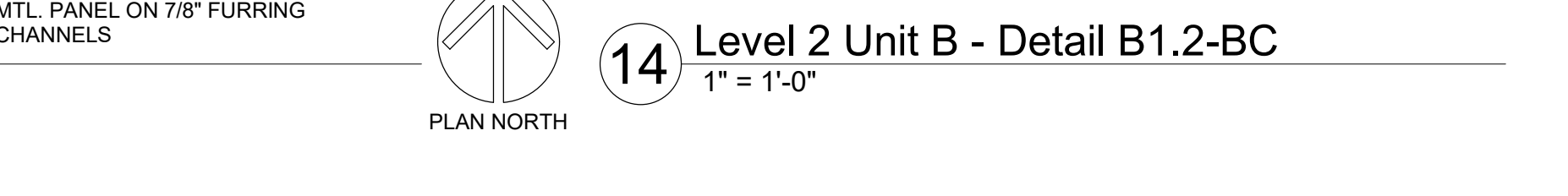
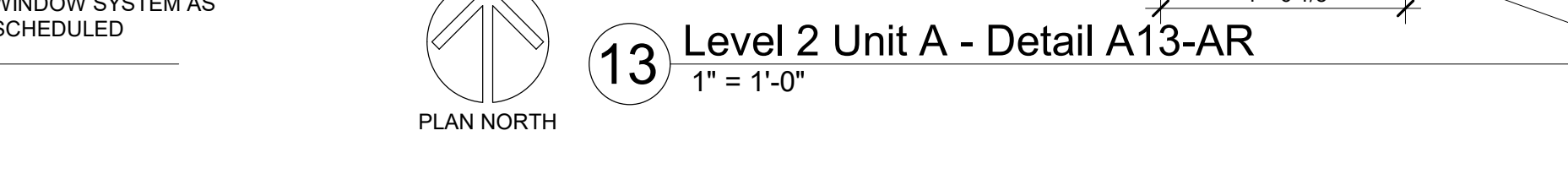
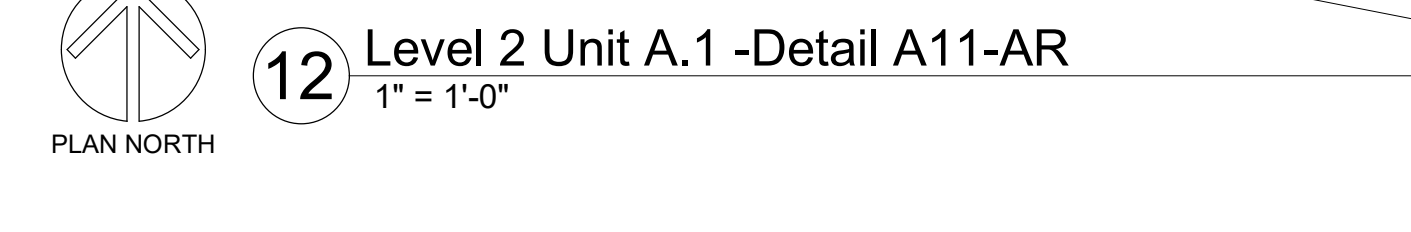
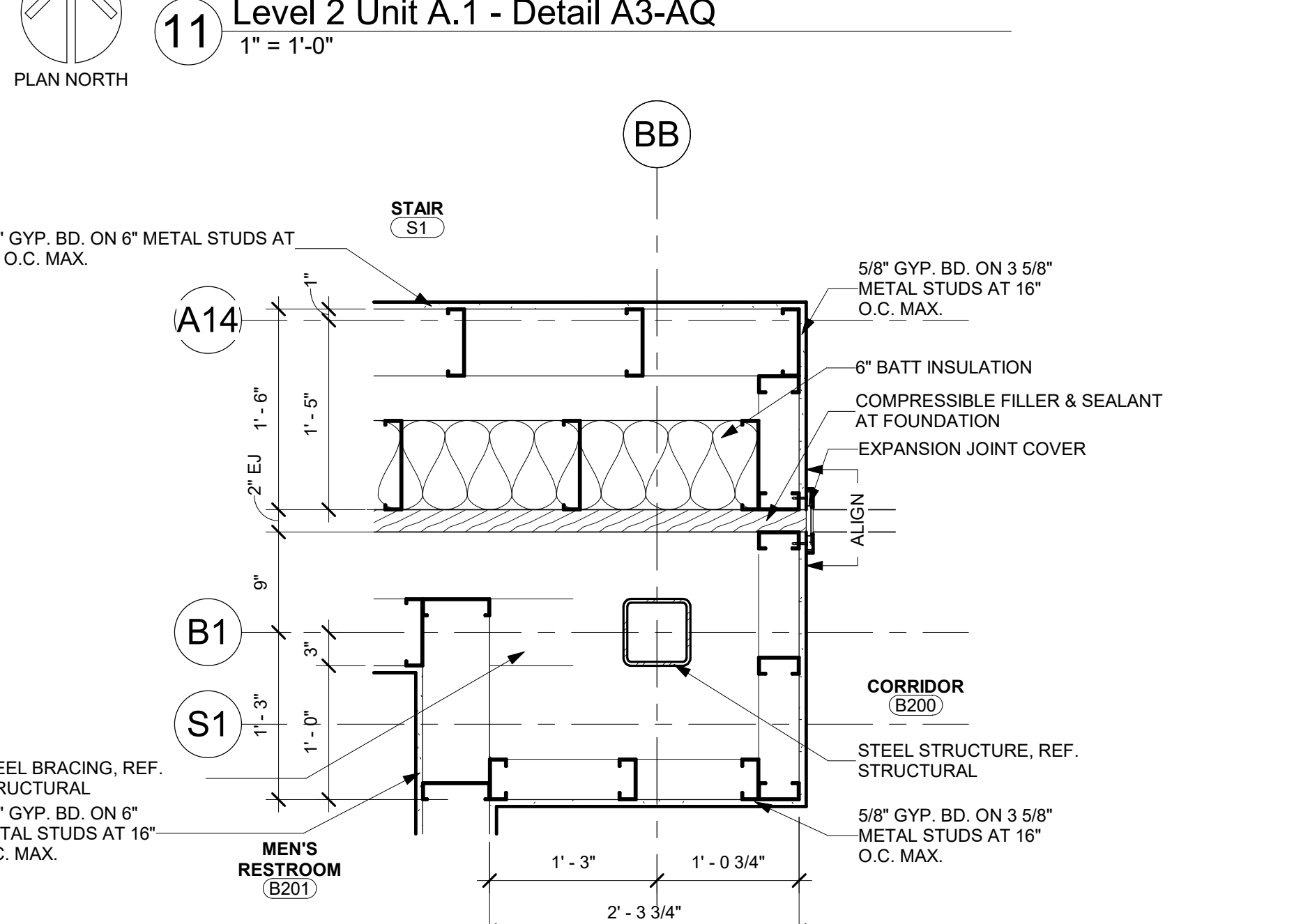
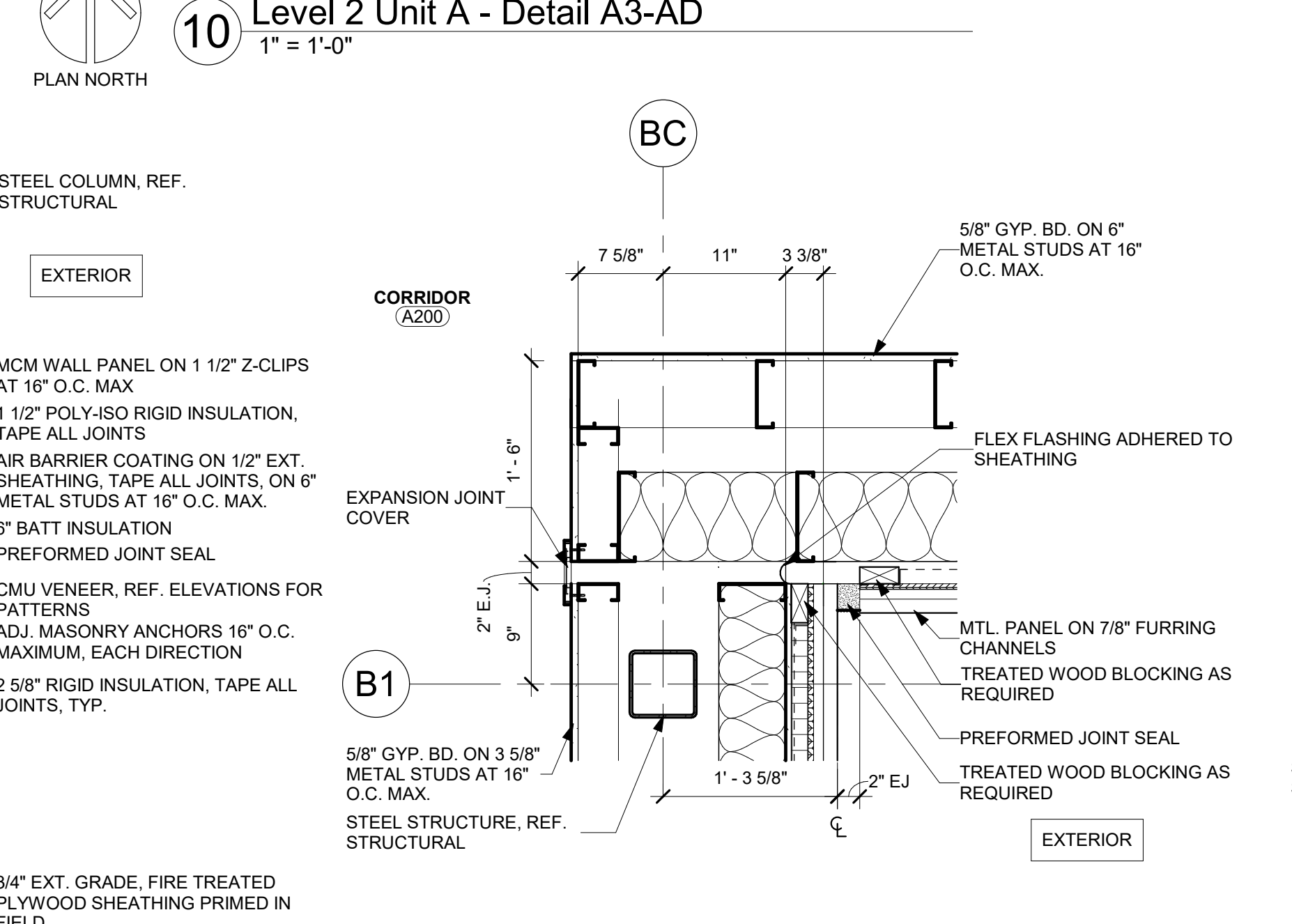
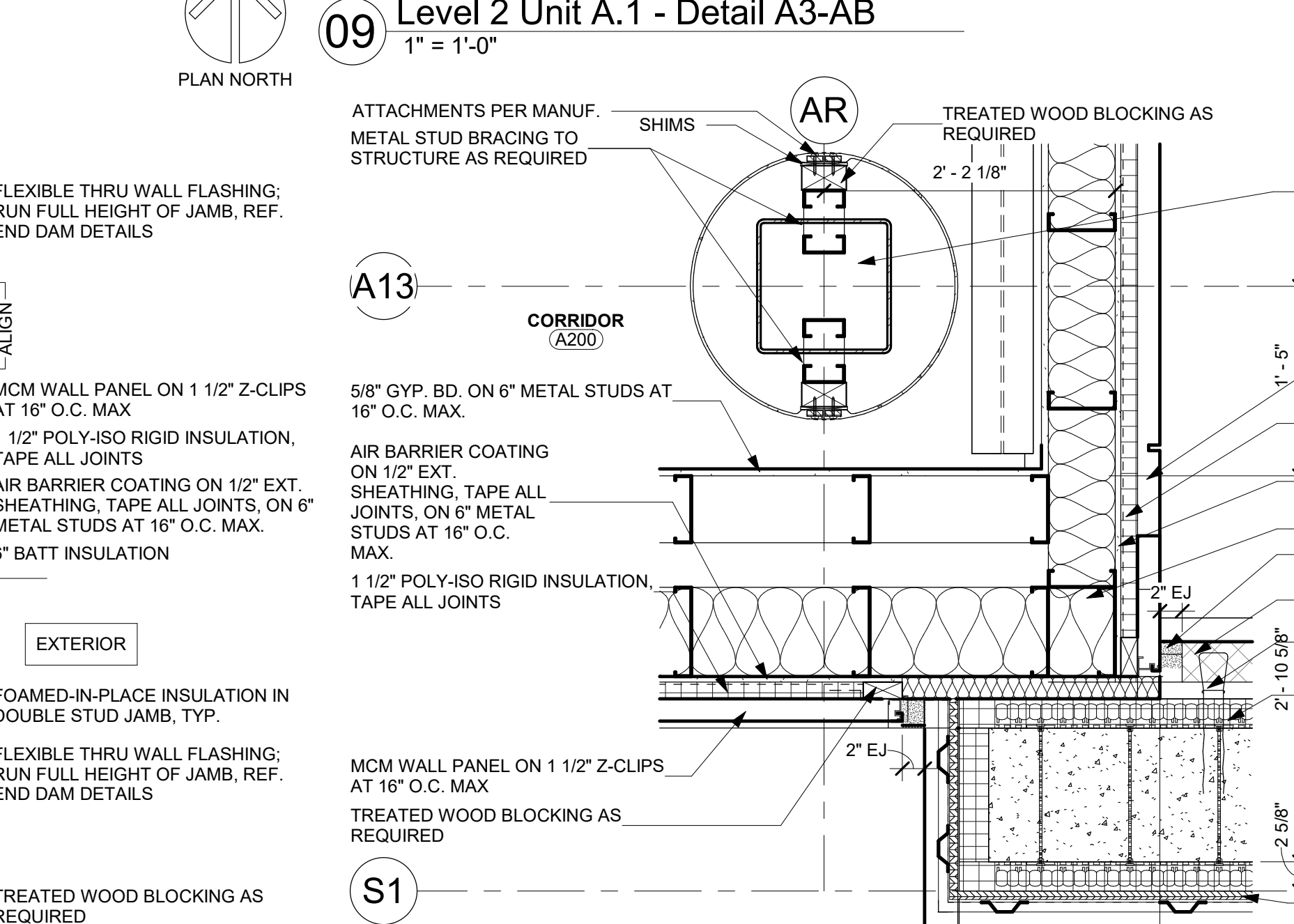
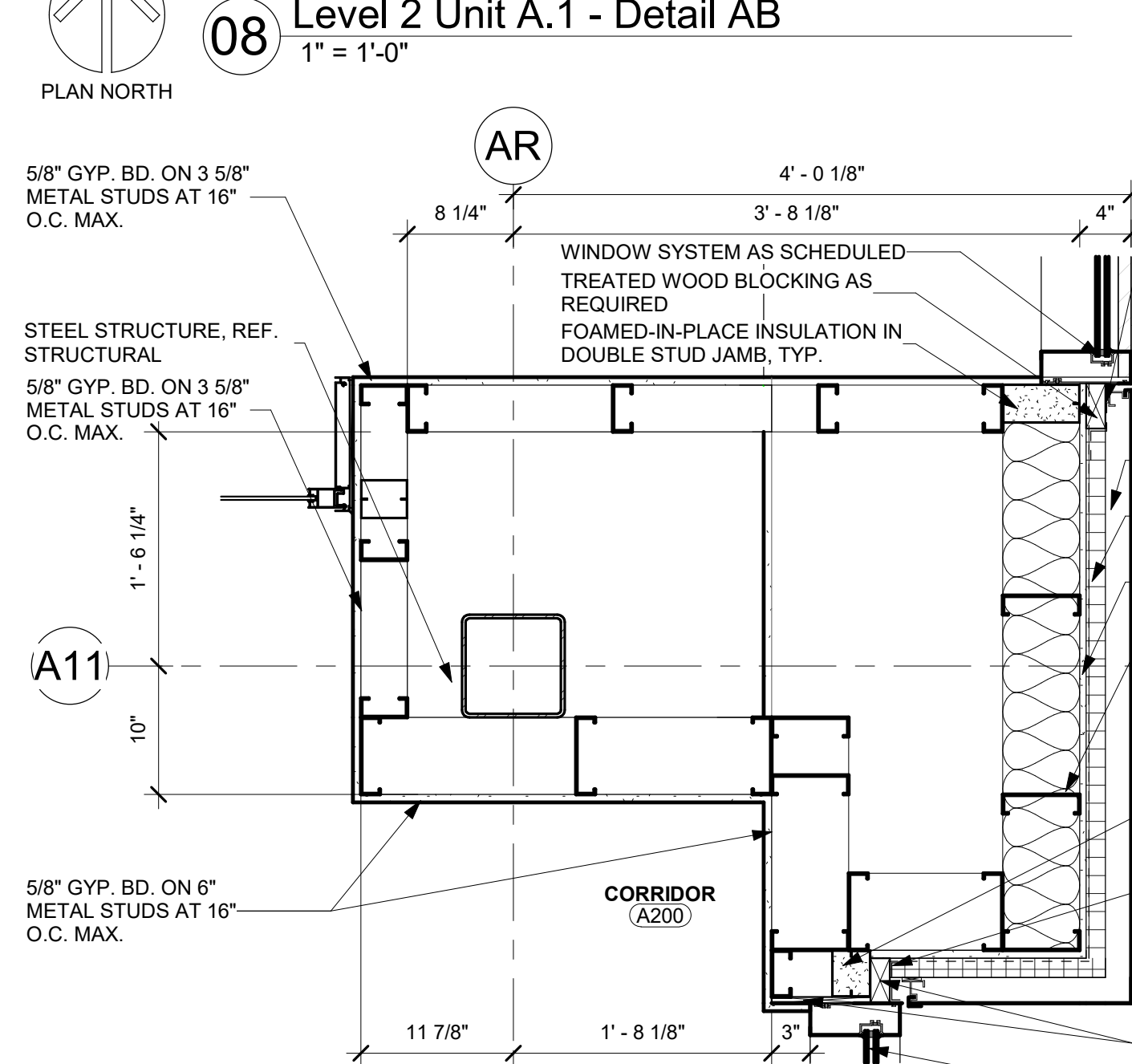
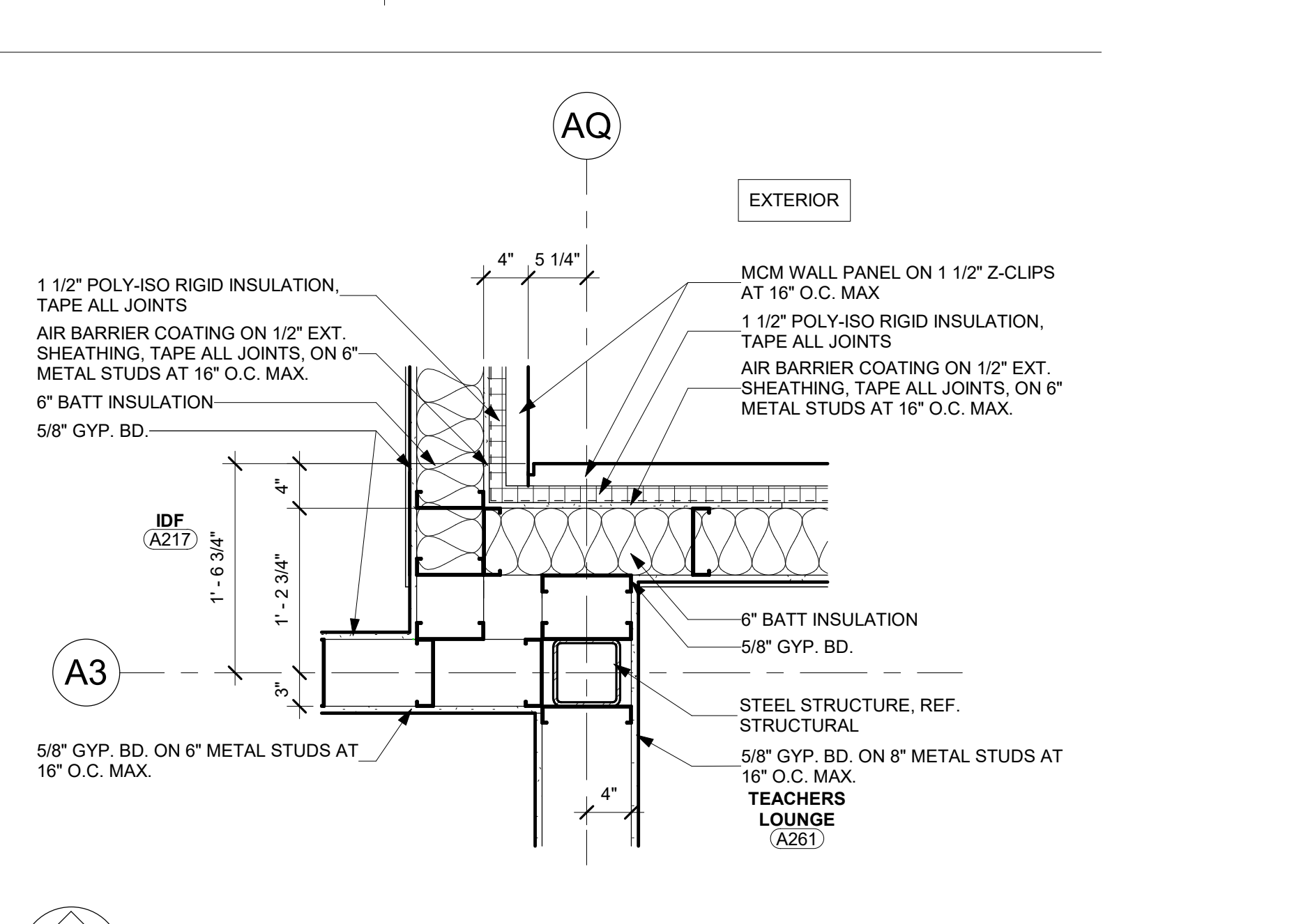
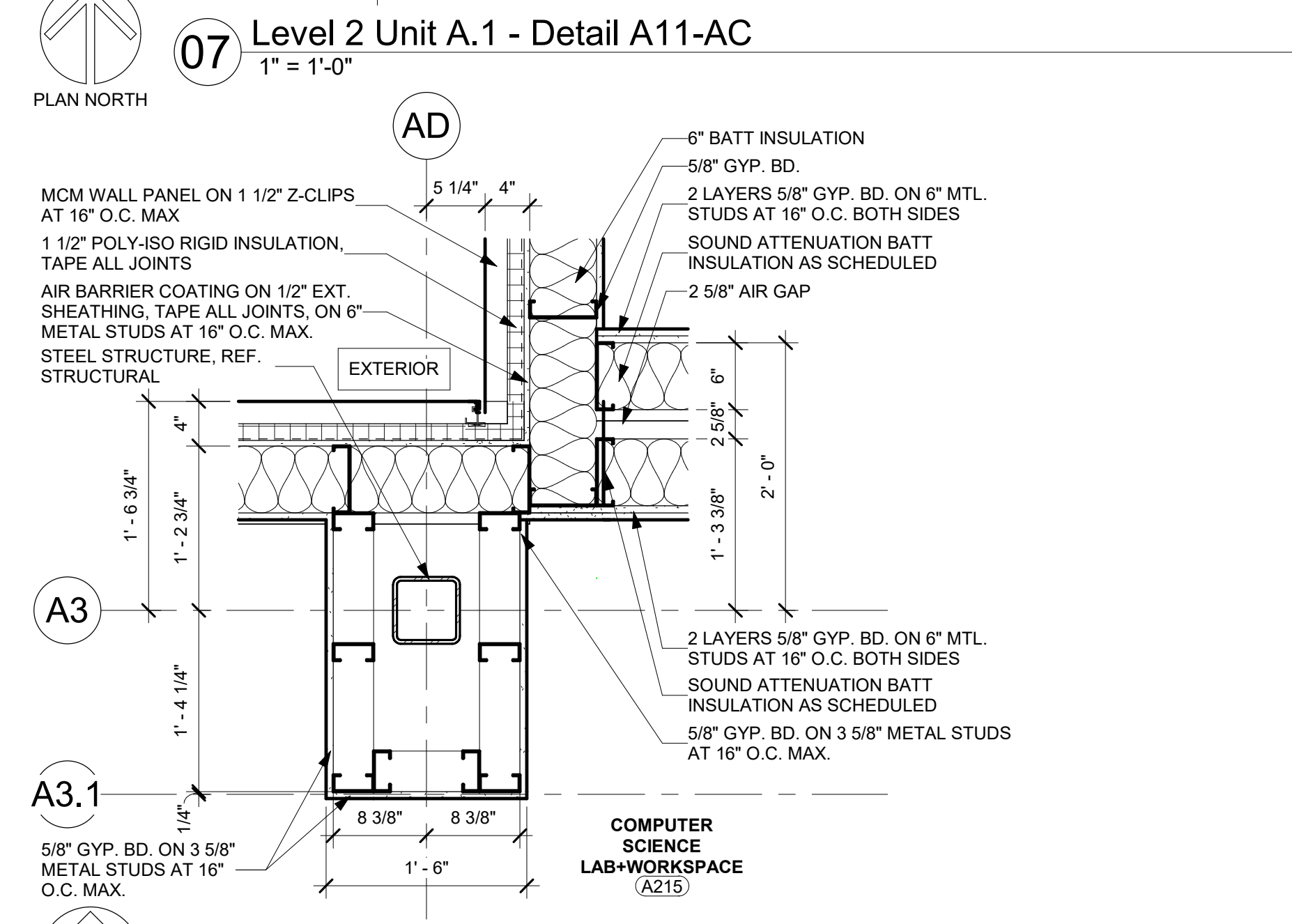
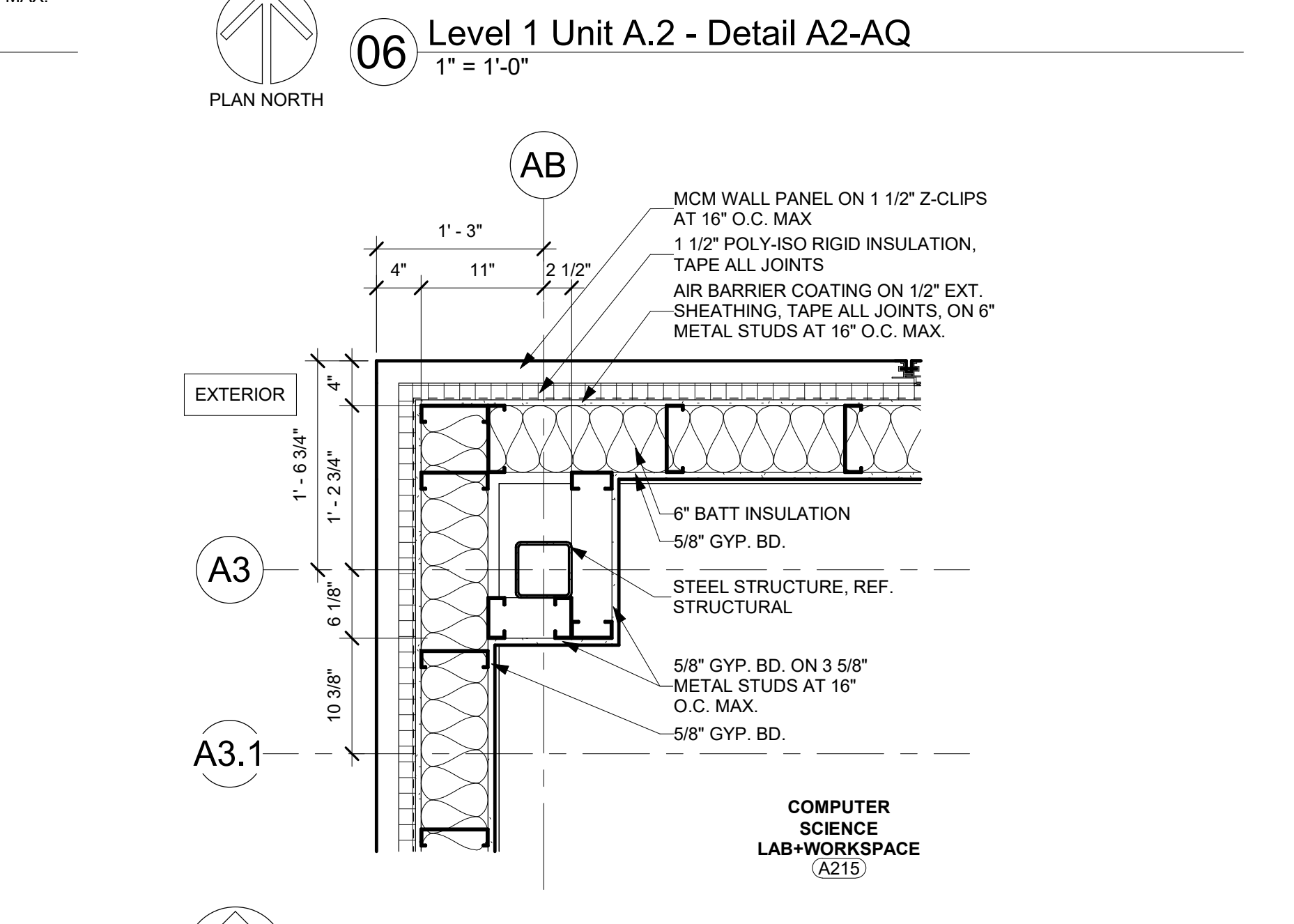
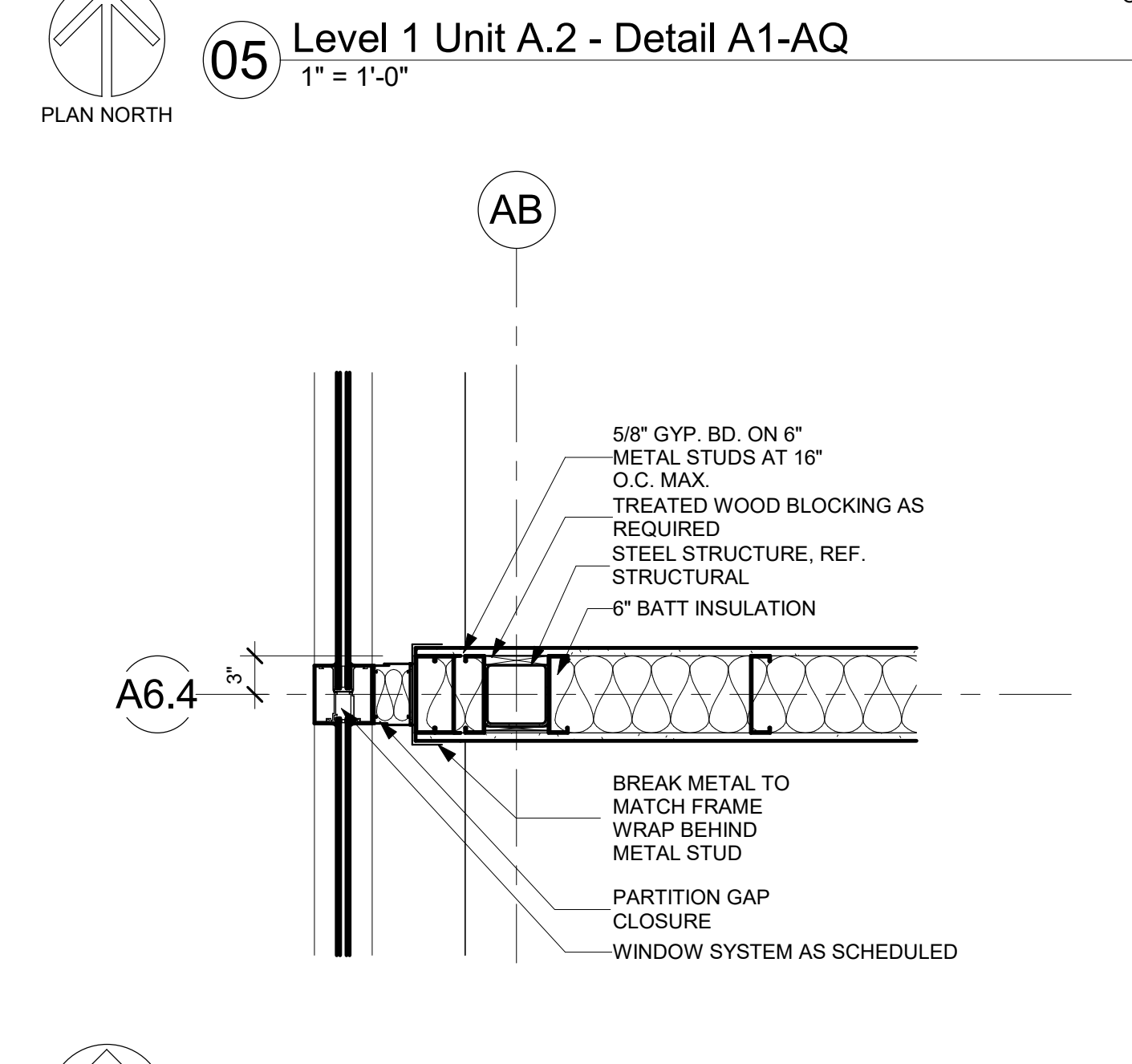
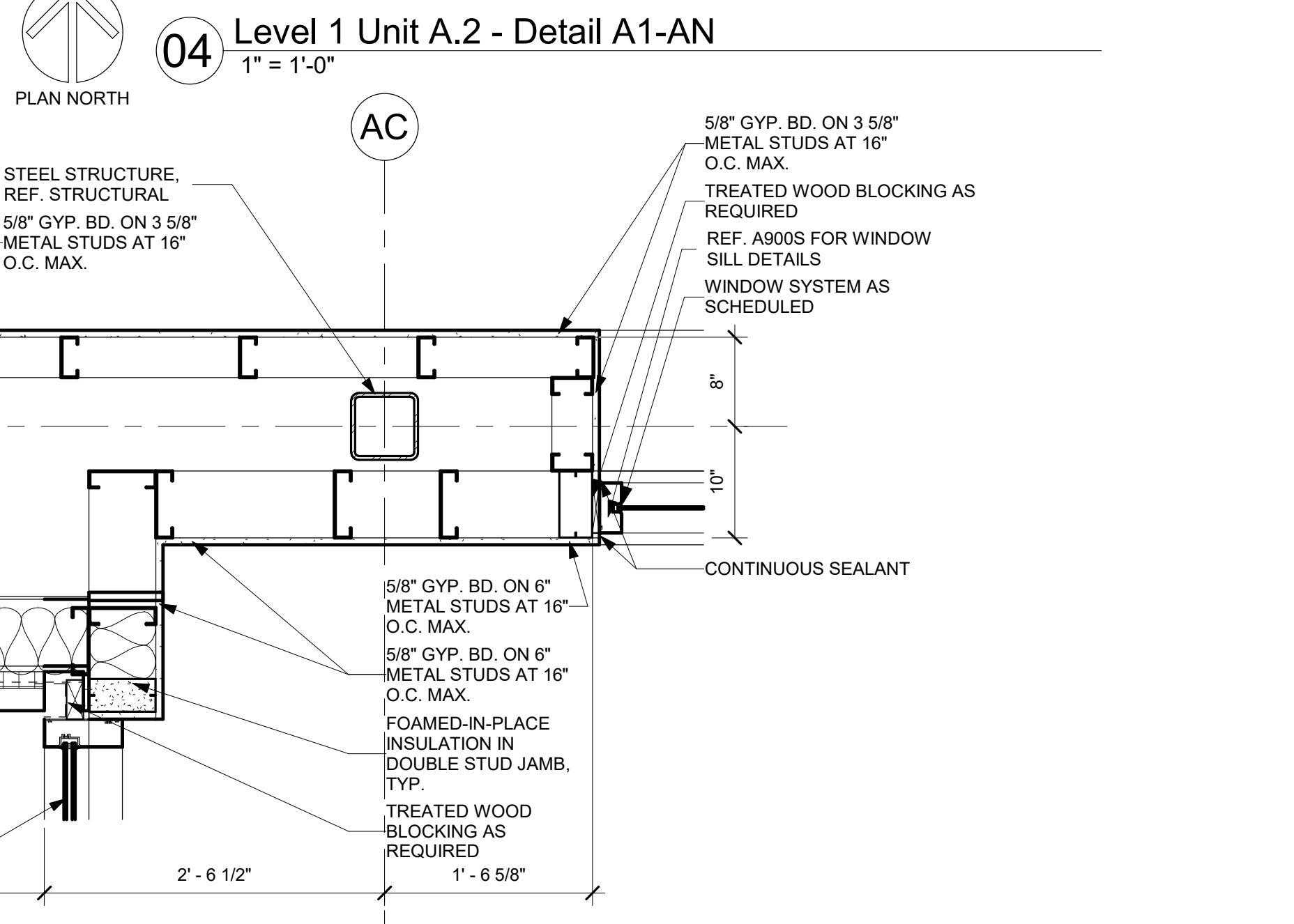
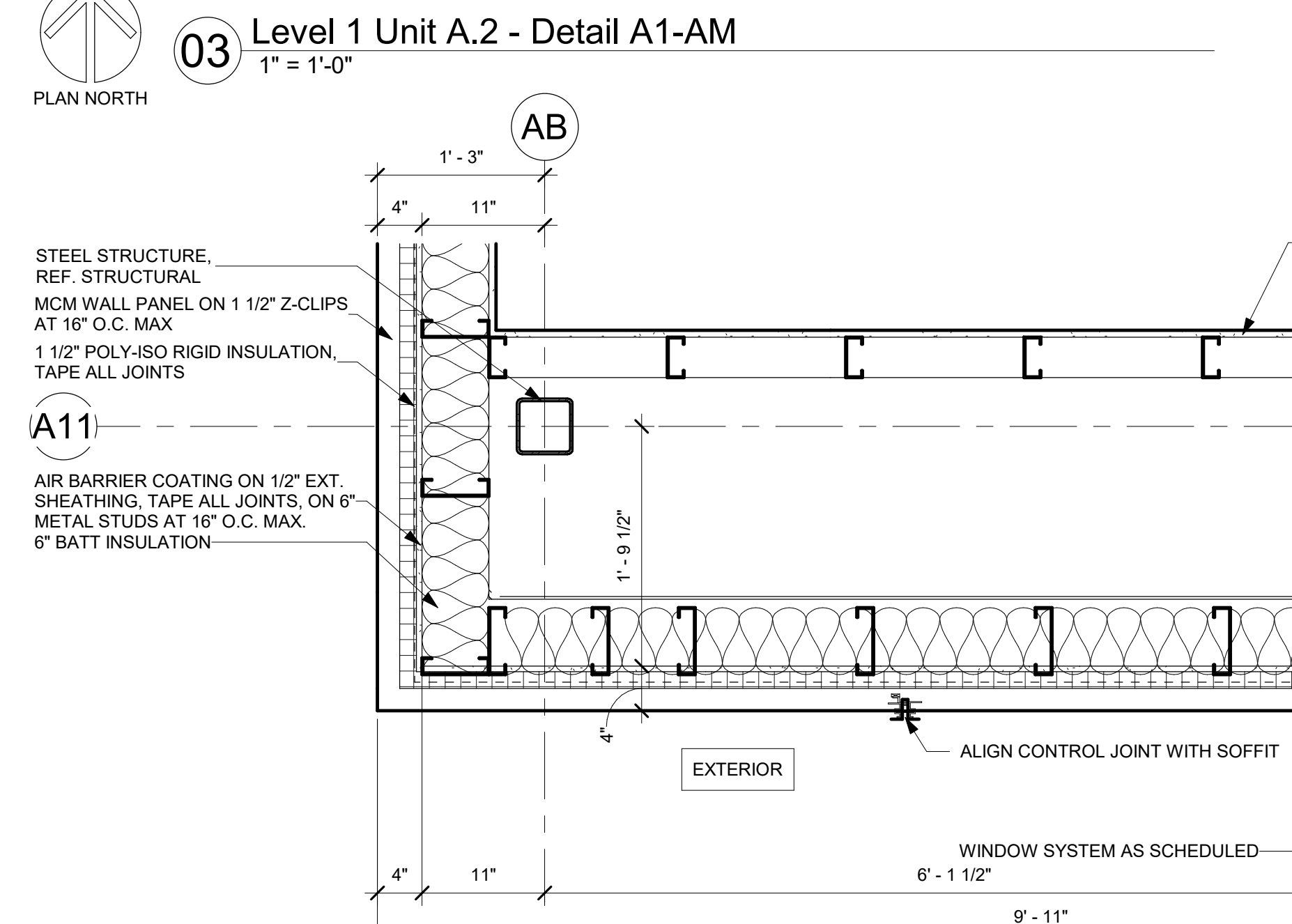
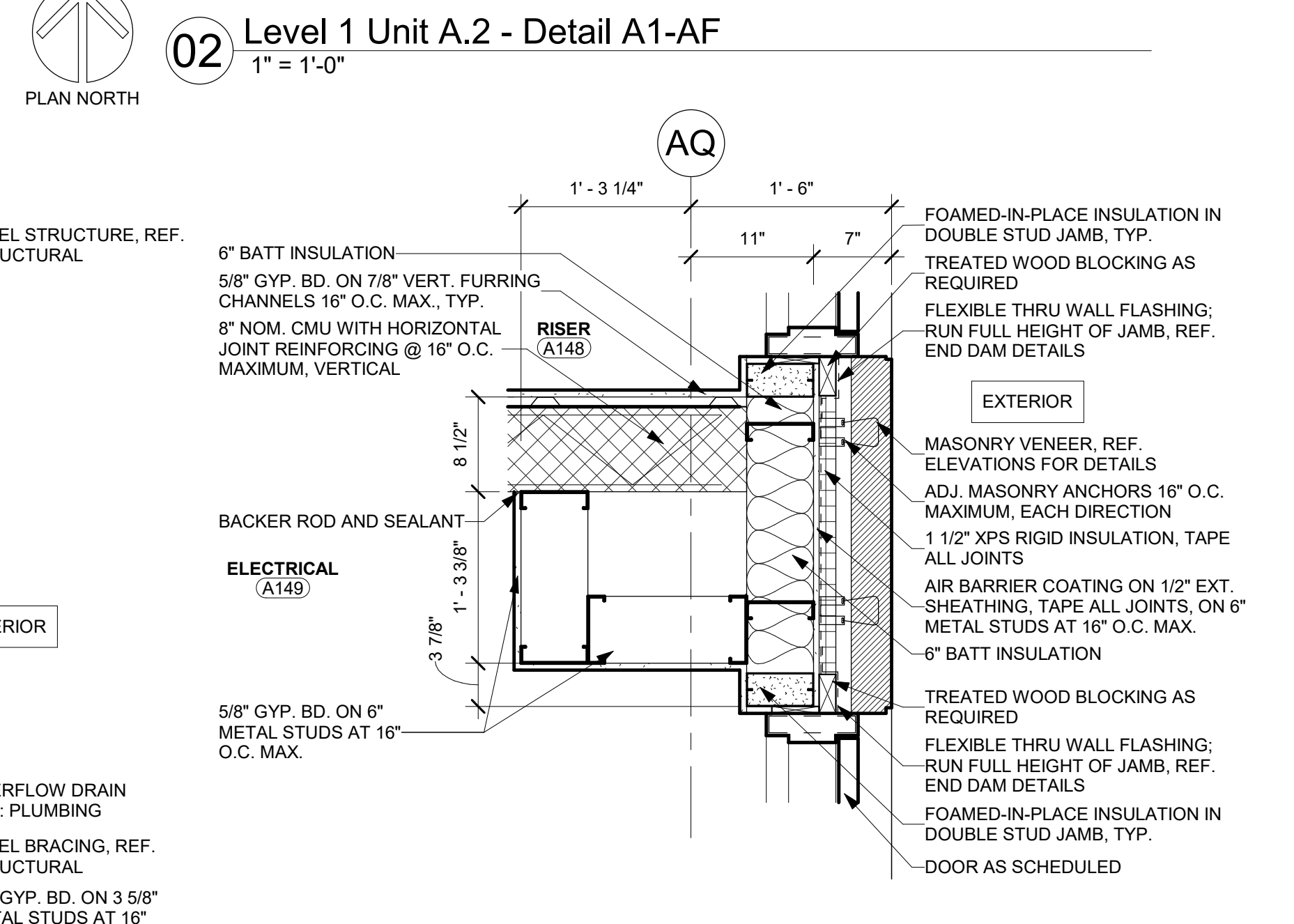
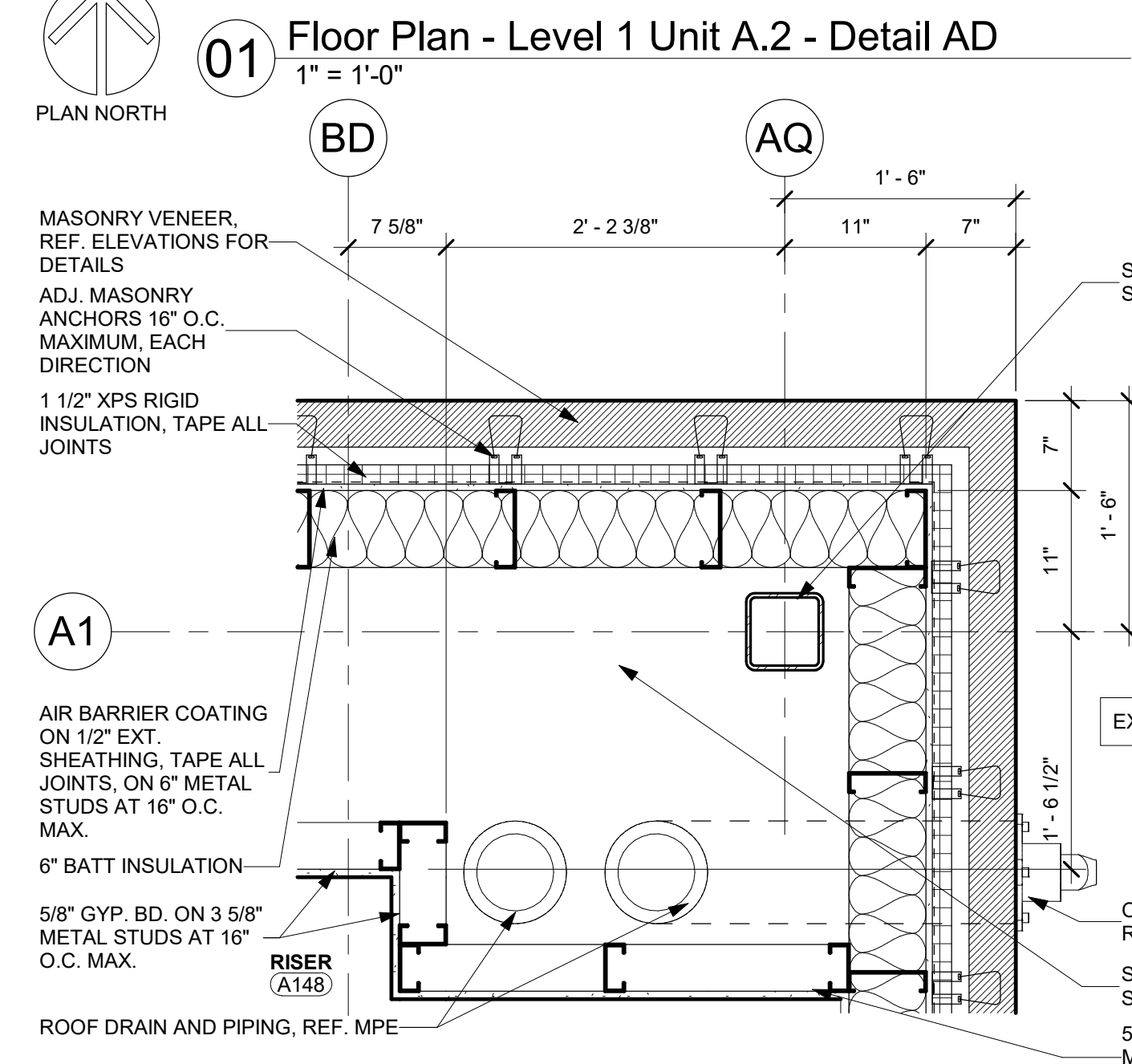
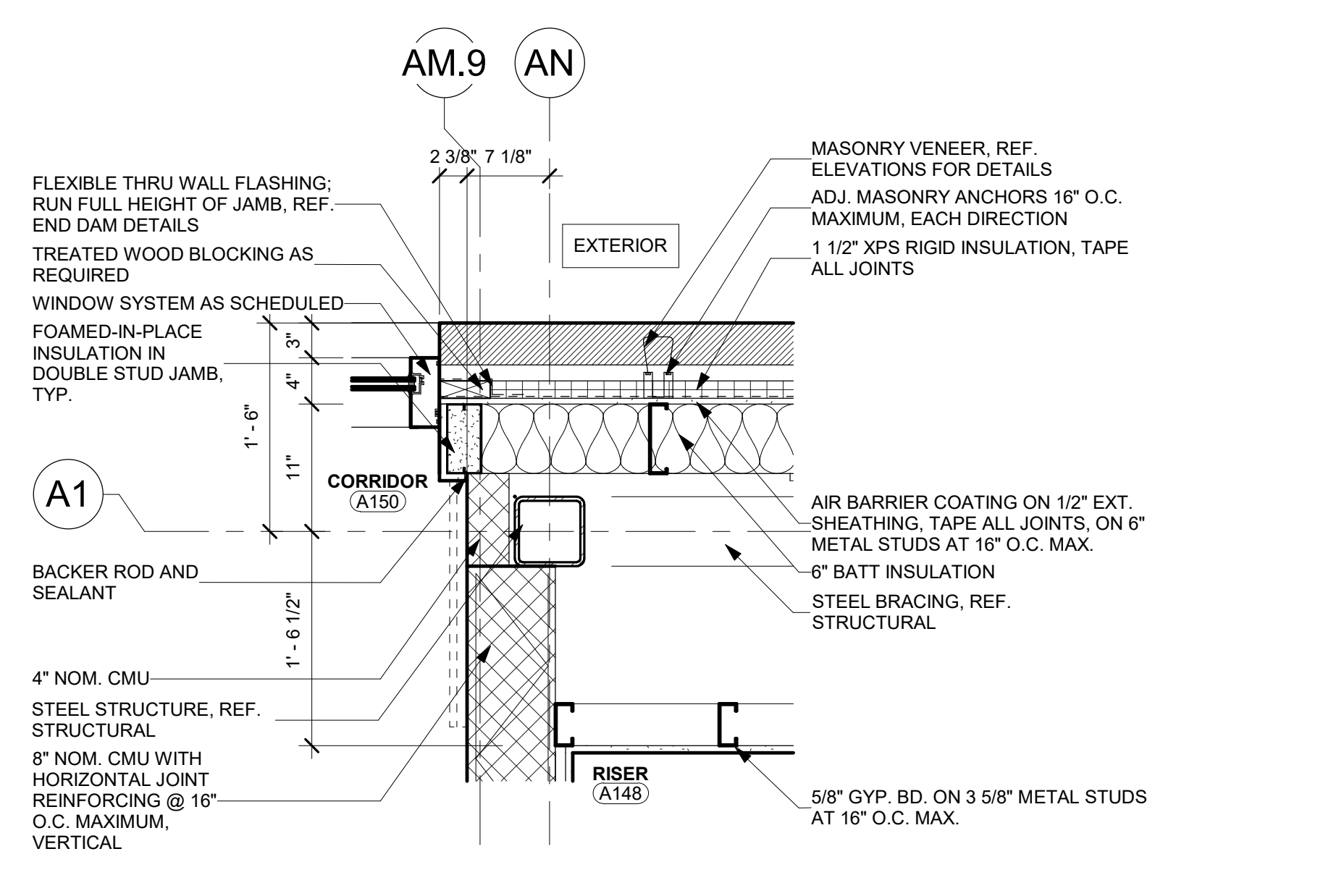
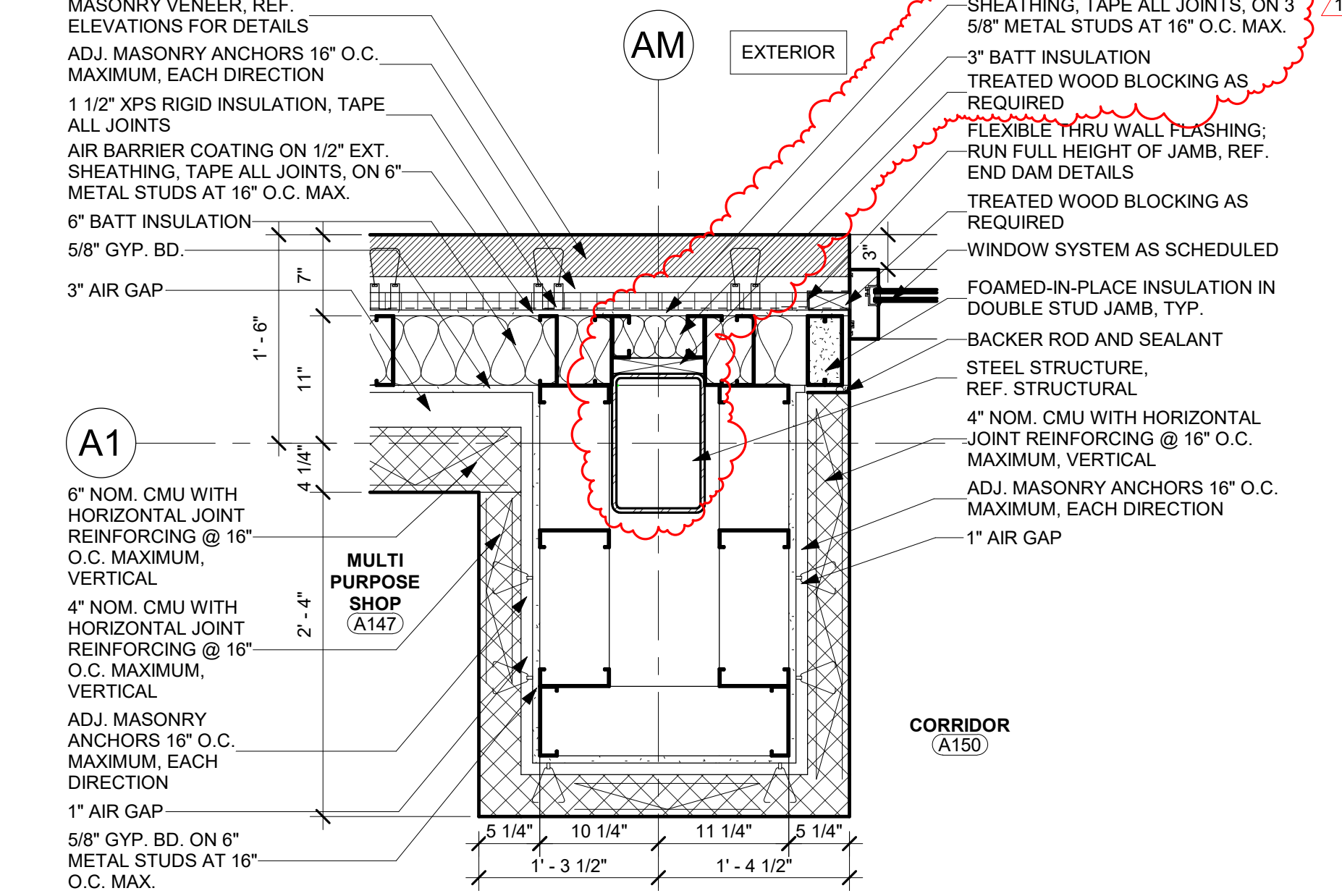
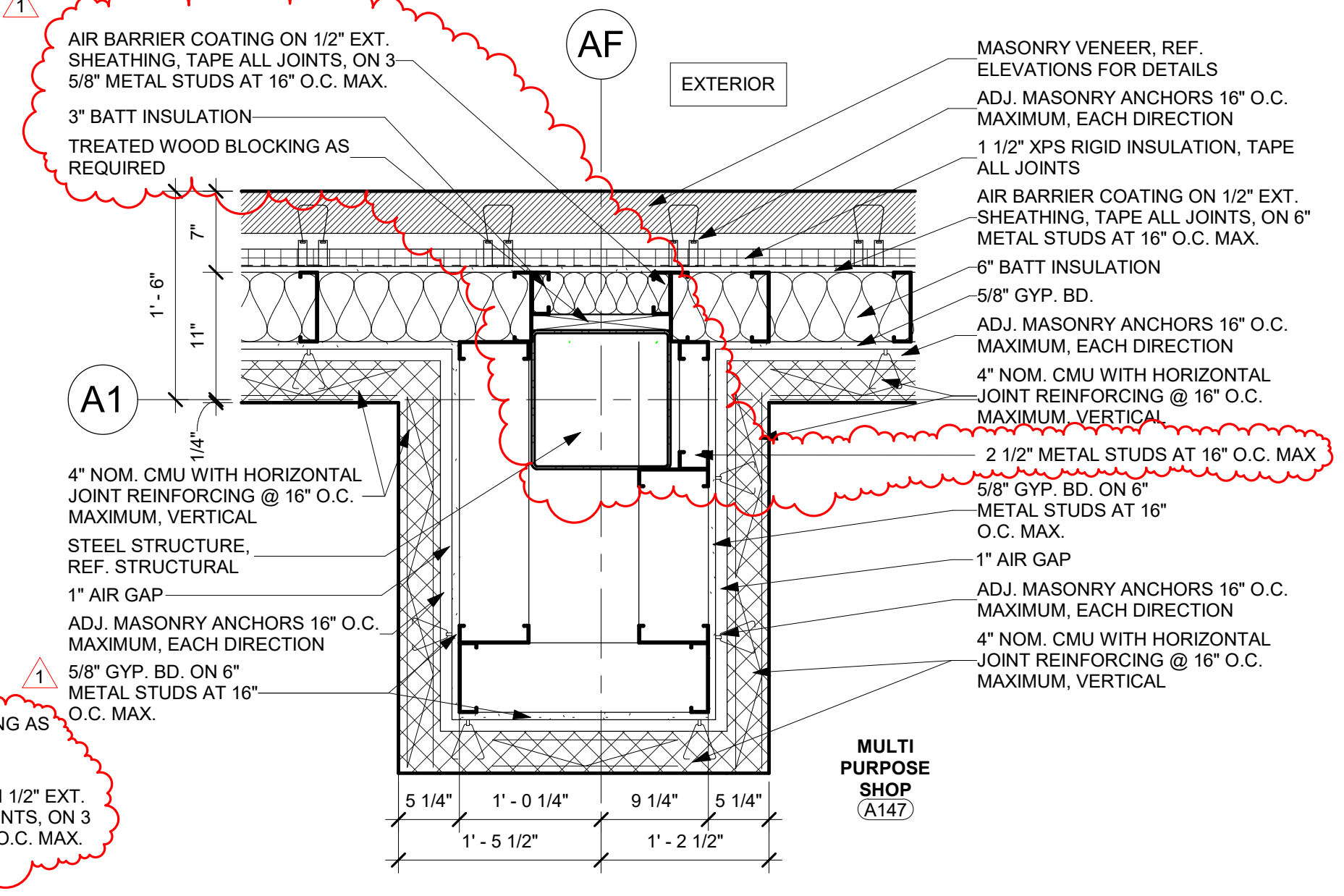
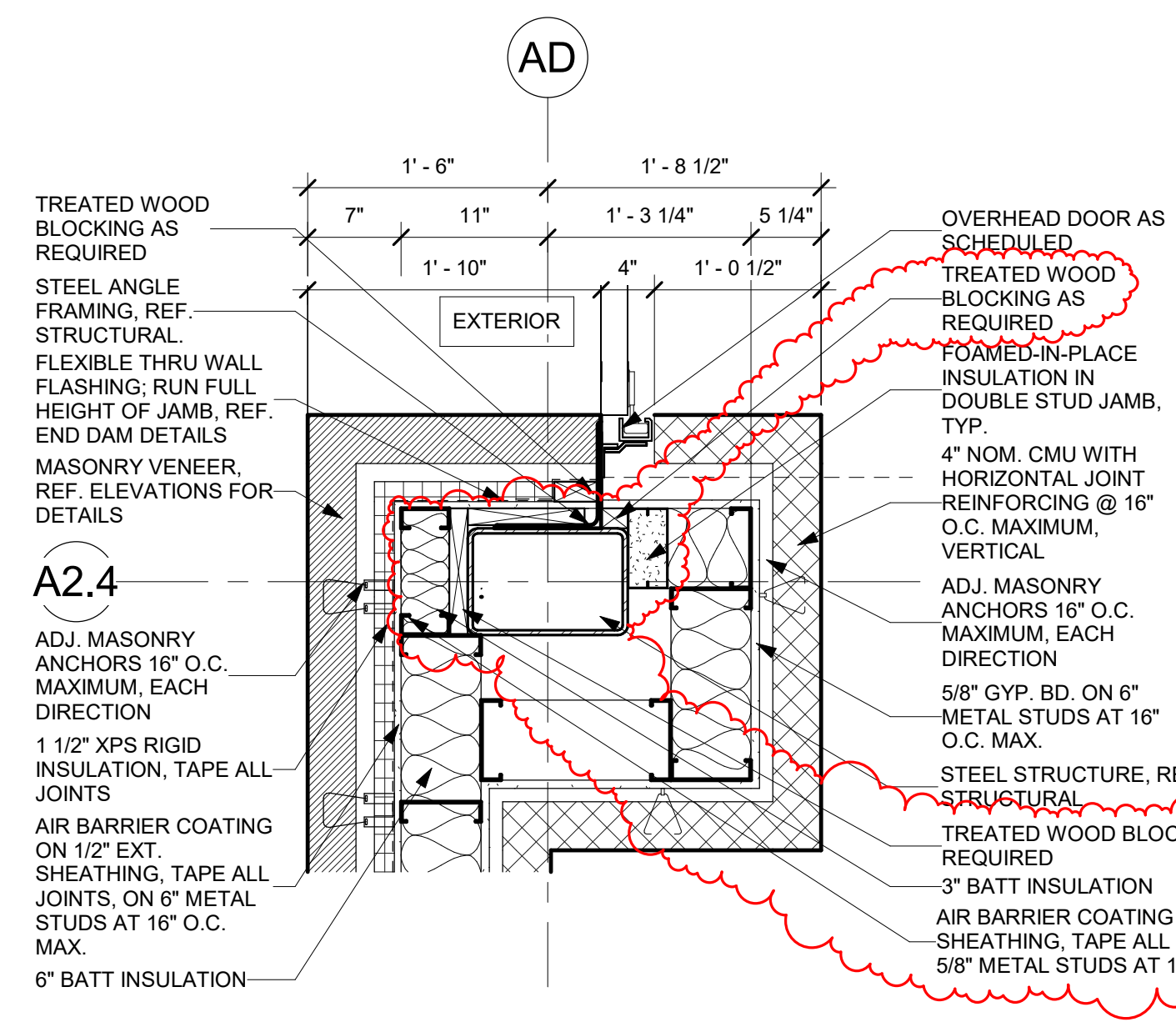
18 Level 1 Unit A.1 - Detail A4-AJ
1" = 1'-0"

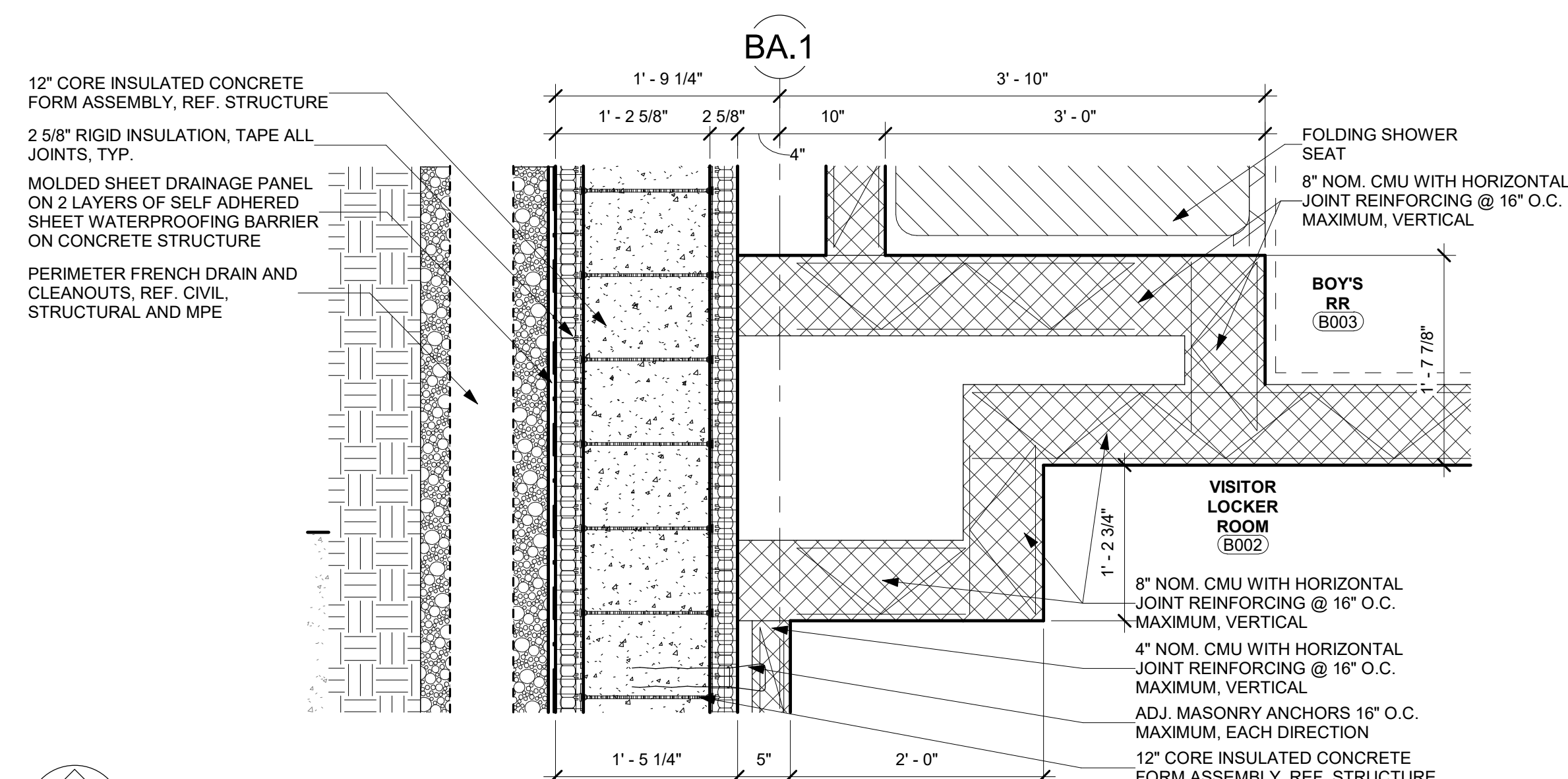


19 Level 1 Unit A.2 - Detail A1-AD
1" = 1'-0"

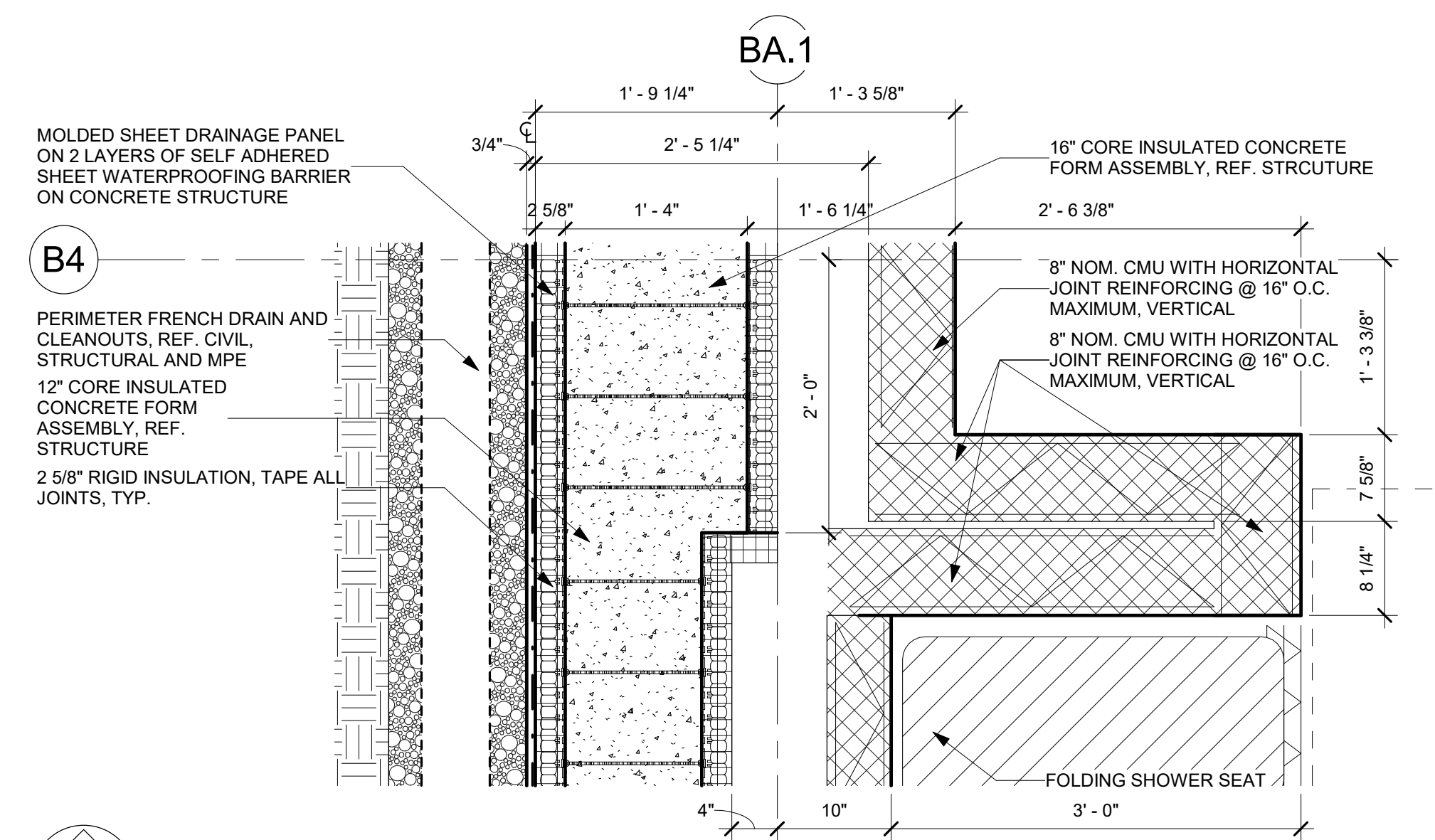
REVISIONS:		
No.	Description	Date
1	Addendum #1	09/19/2024

JOB NO.	2399
DATE:	09/19/2024
Plan Details	
A243	
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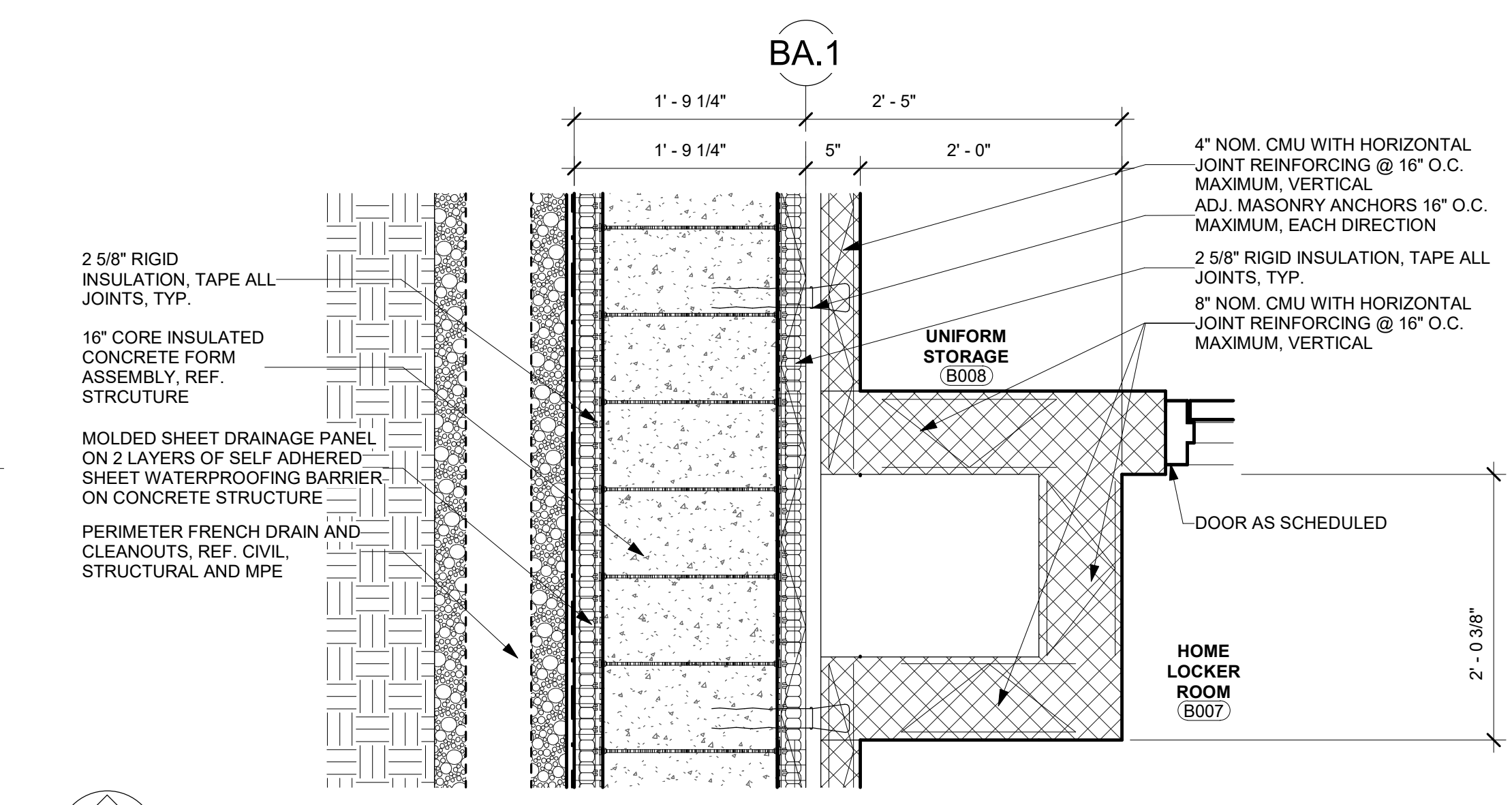




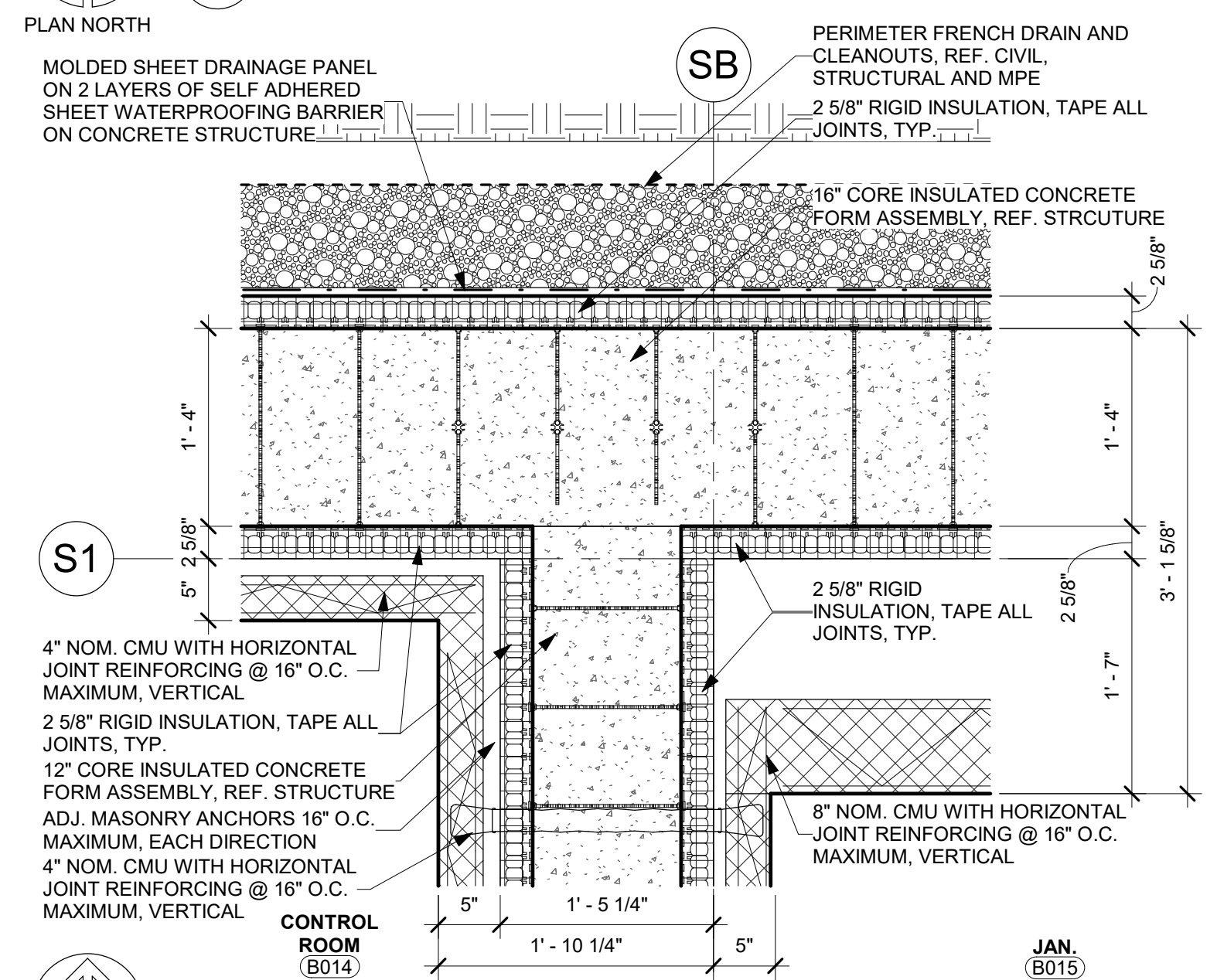
01 Level 0 Unit B - Detail BA.2
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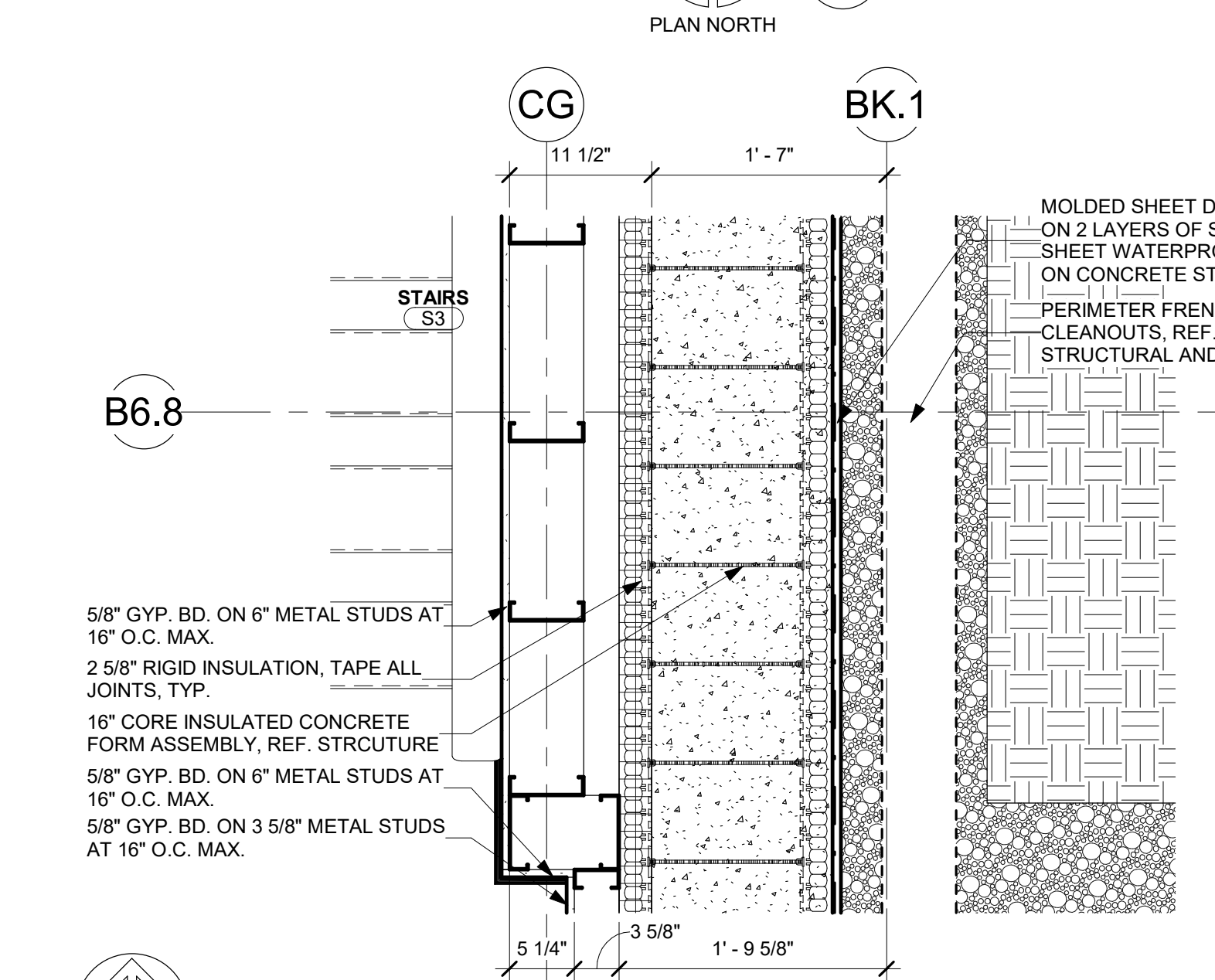
02 Level 0 Unit B - Detail B4-BA.2
1" = 1'-0"



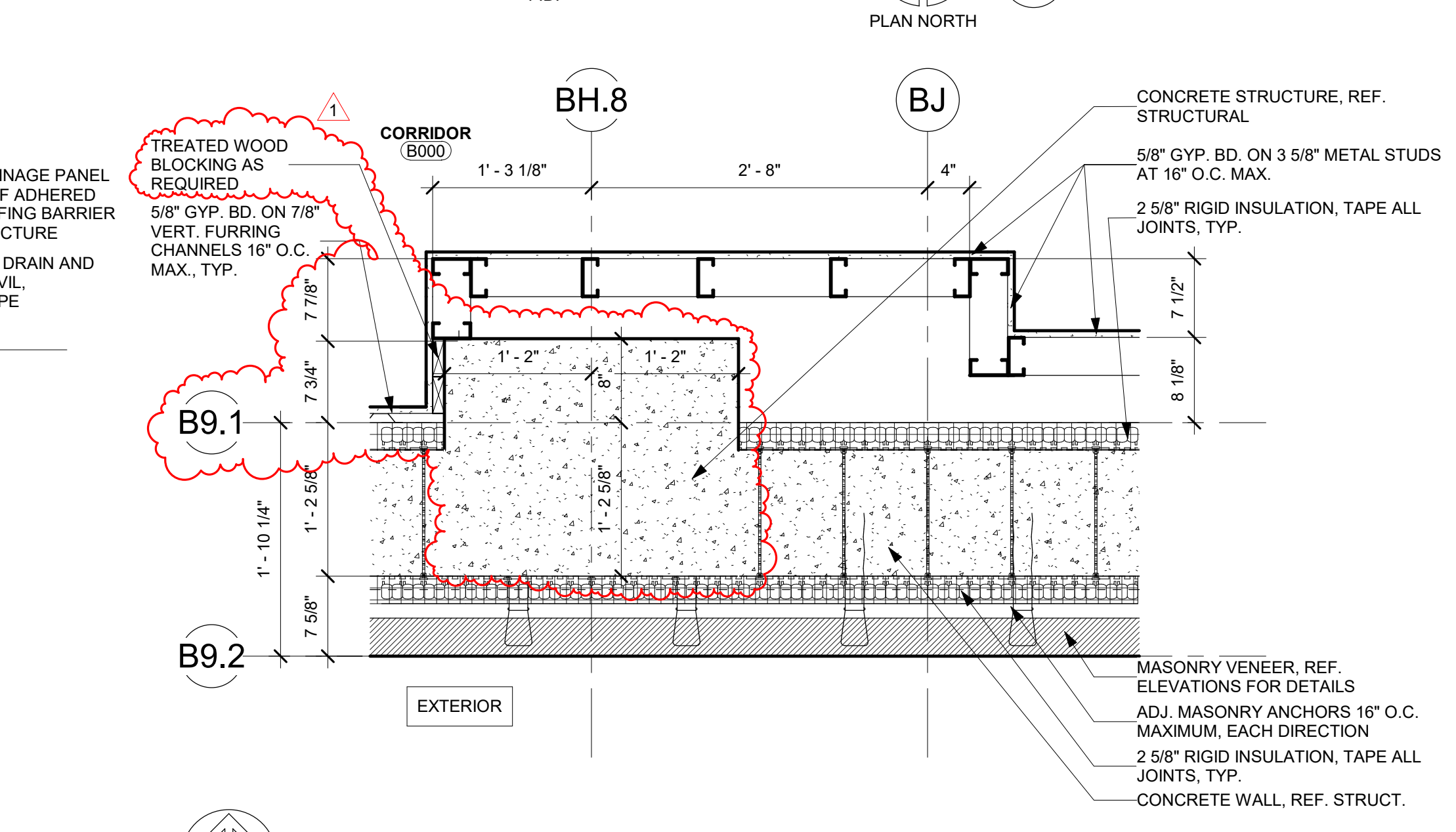
03 Level 0 Unit B - Detail BA.2
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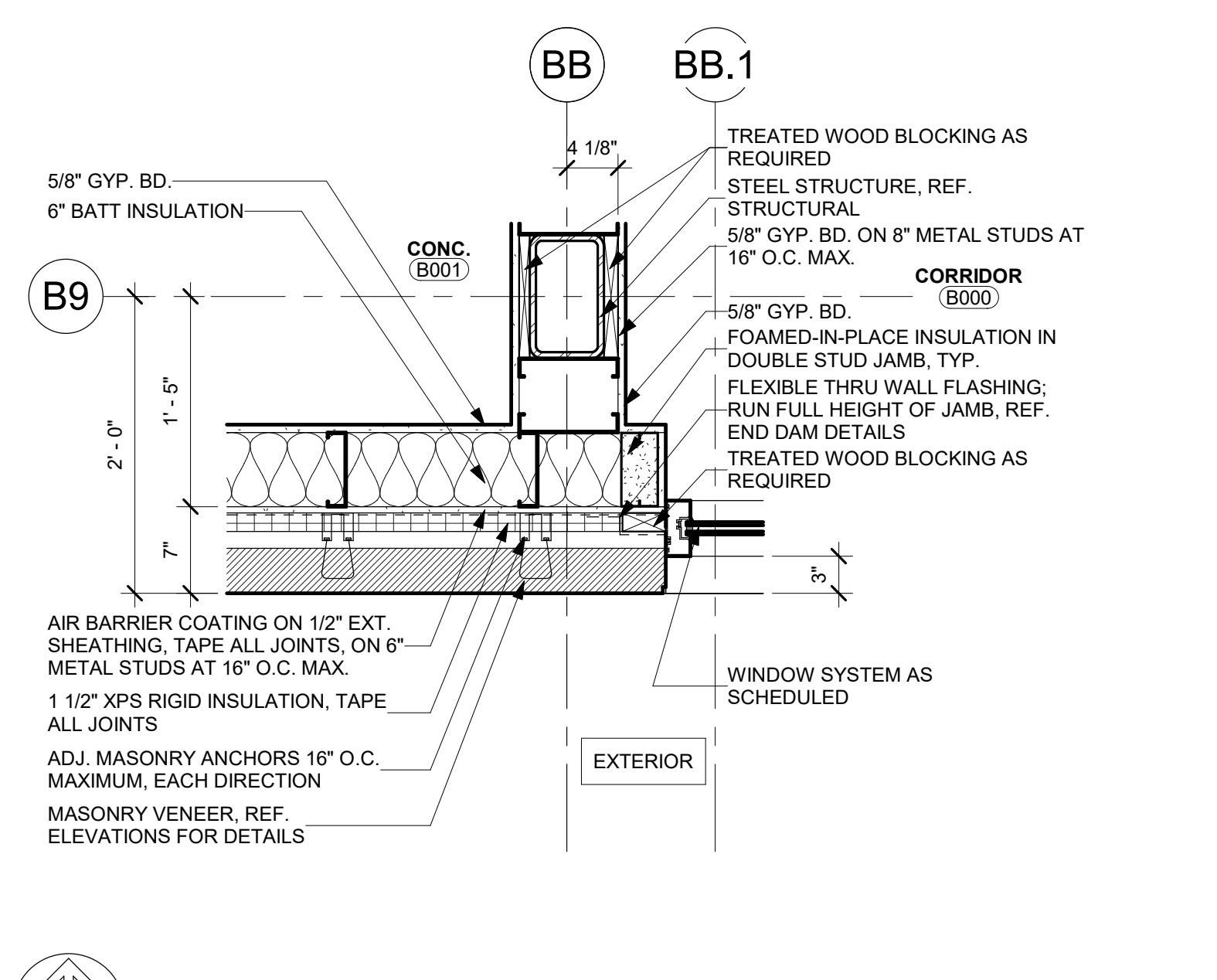
04 Level 0 Unit B - Detail B1-BH
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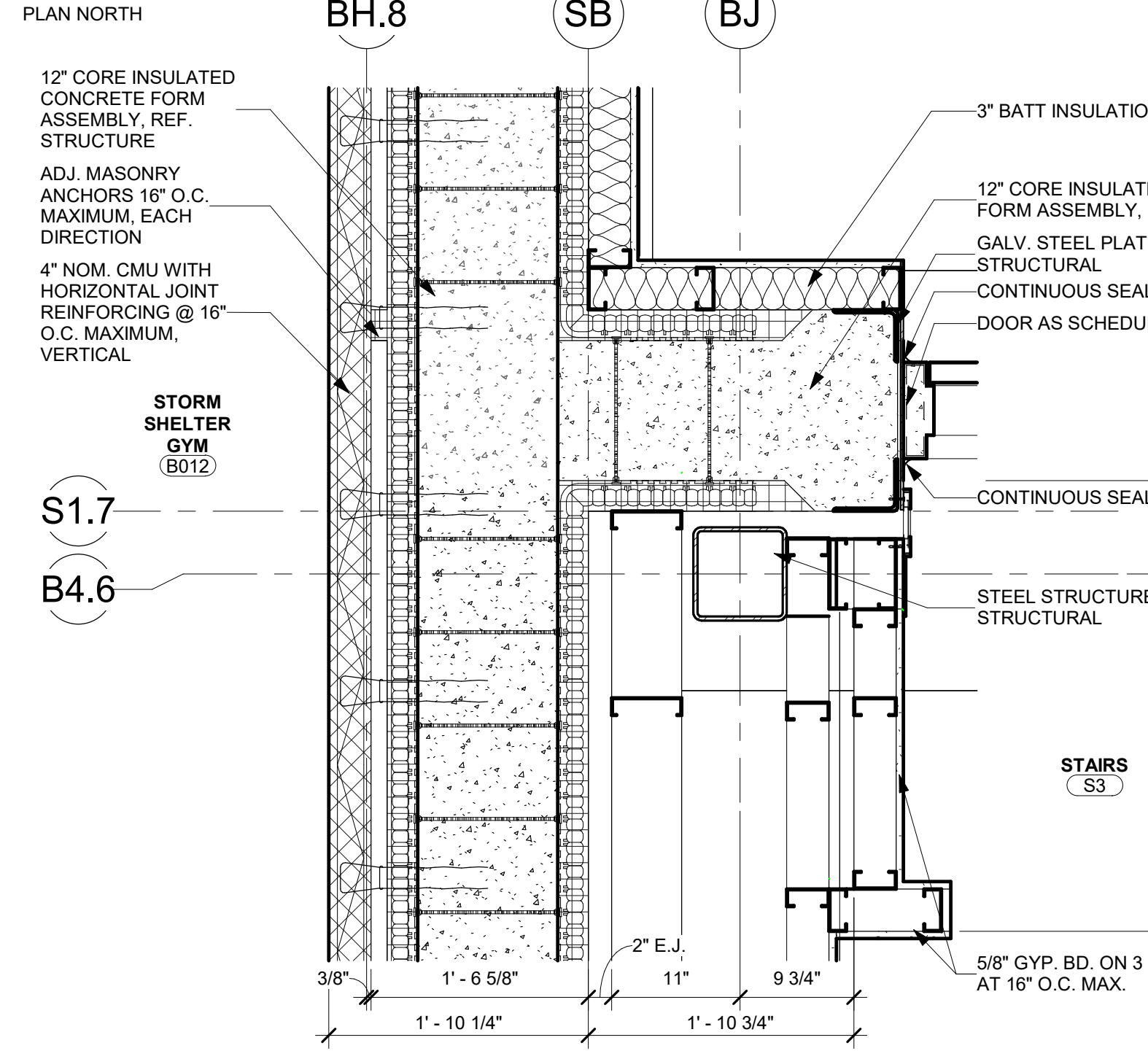
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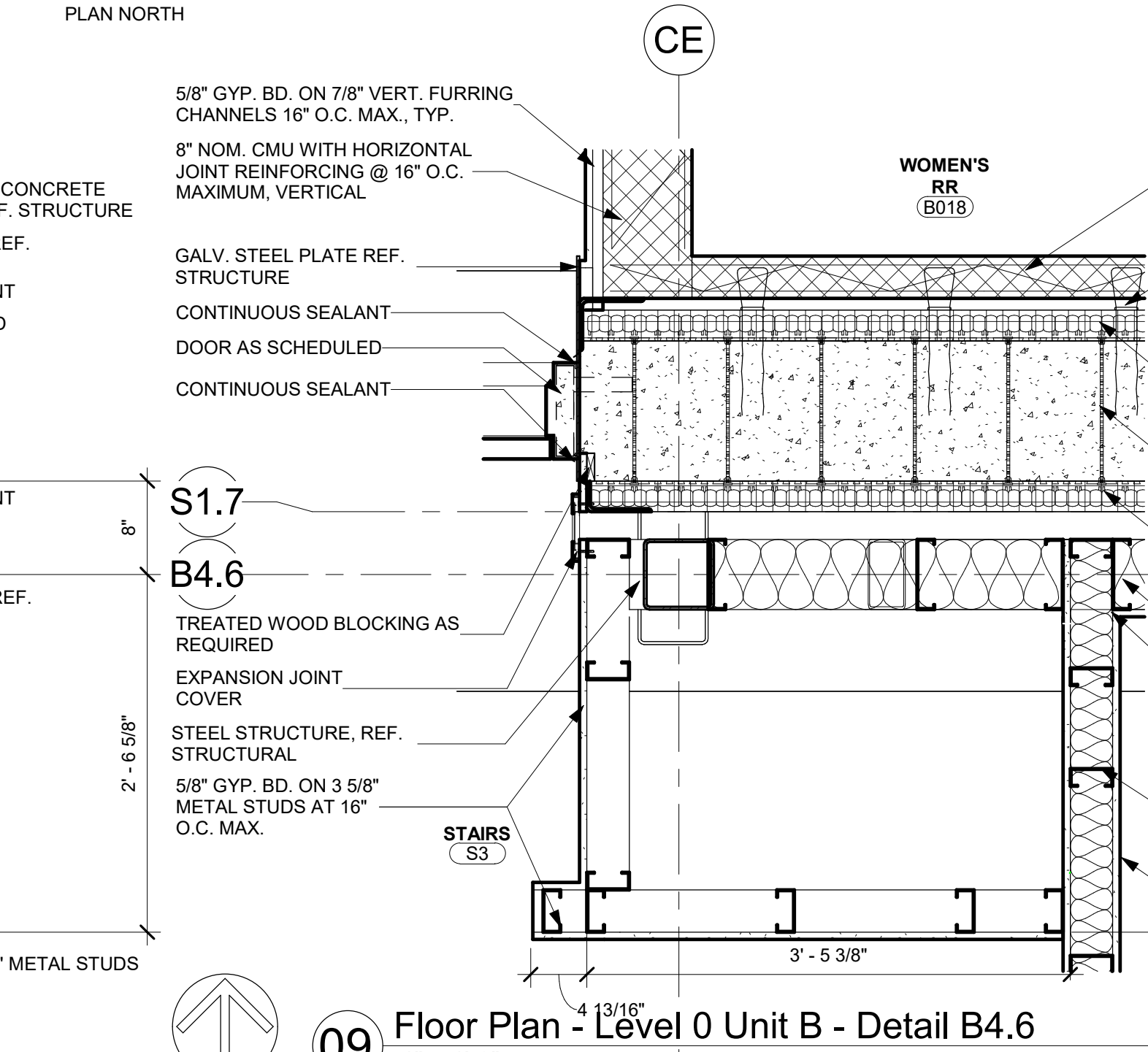
06 Floor Plan - Level 0 Unit B - Detail B9-BH
1" = 1'-0"



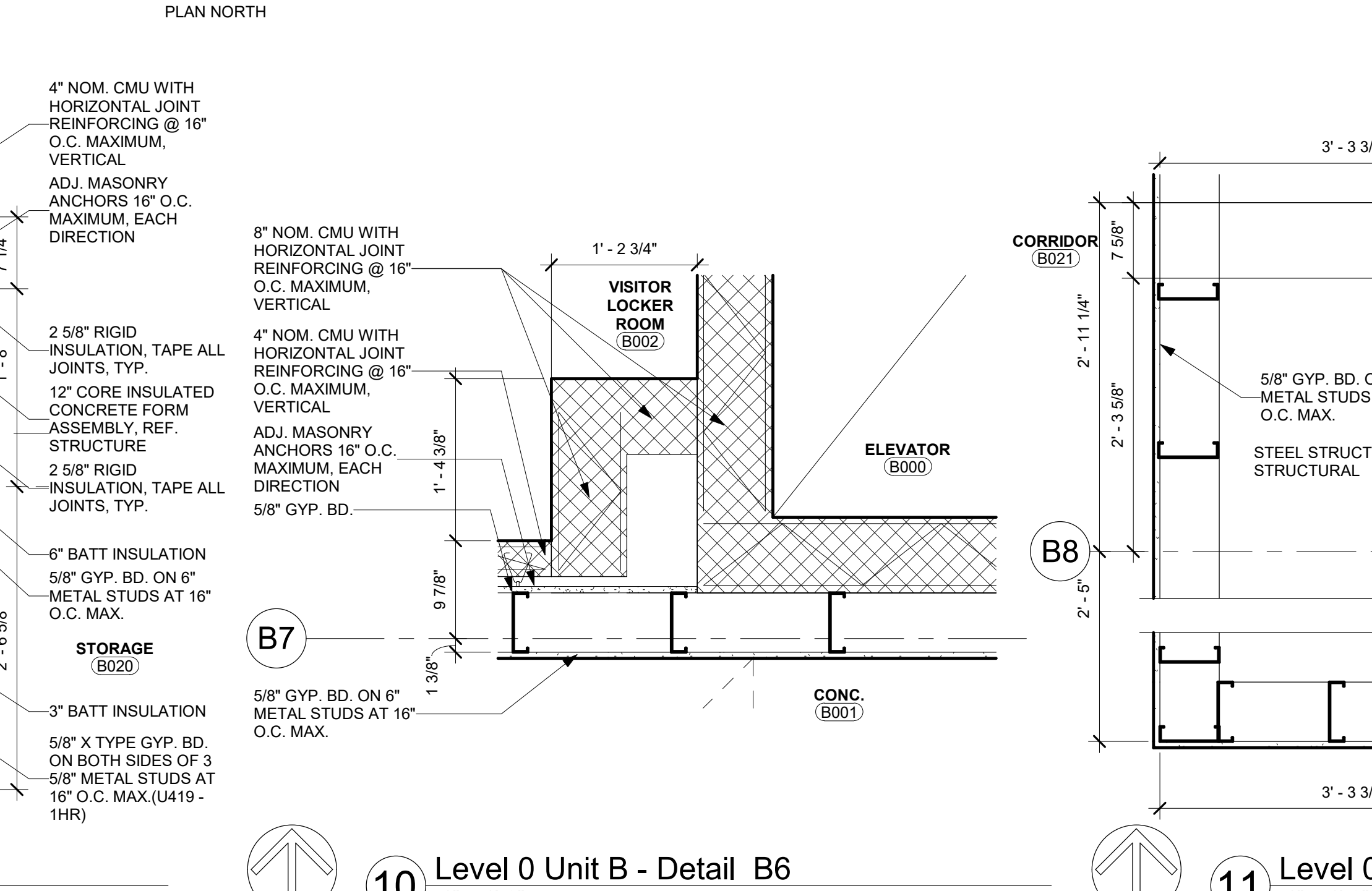
07 Level 0 Unit B - Detail B9-AN
1" = 1'-0"



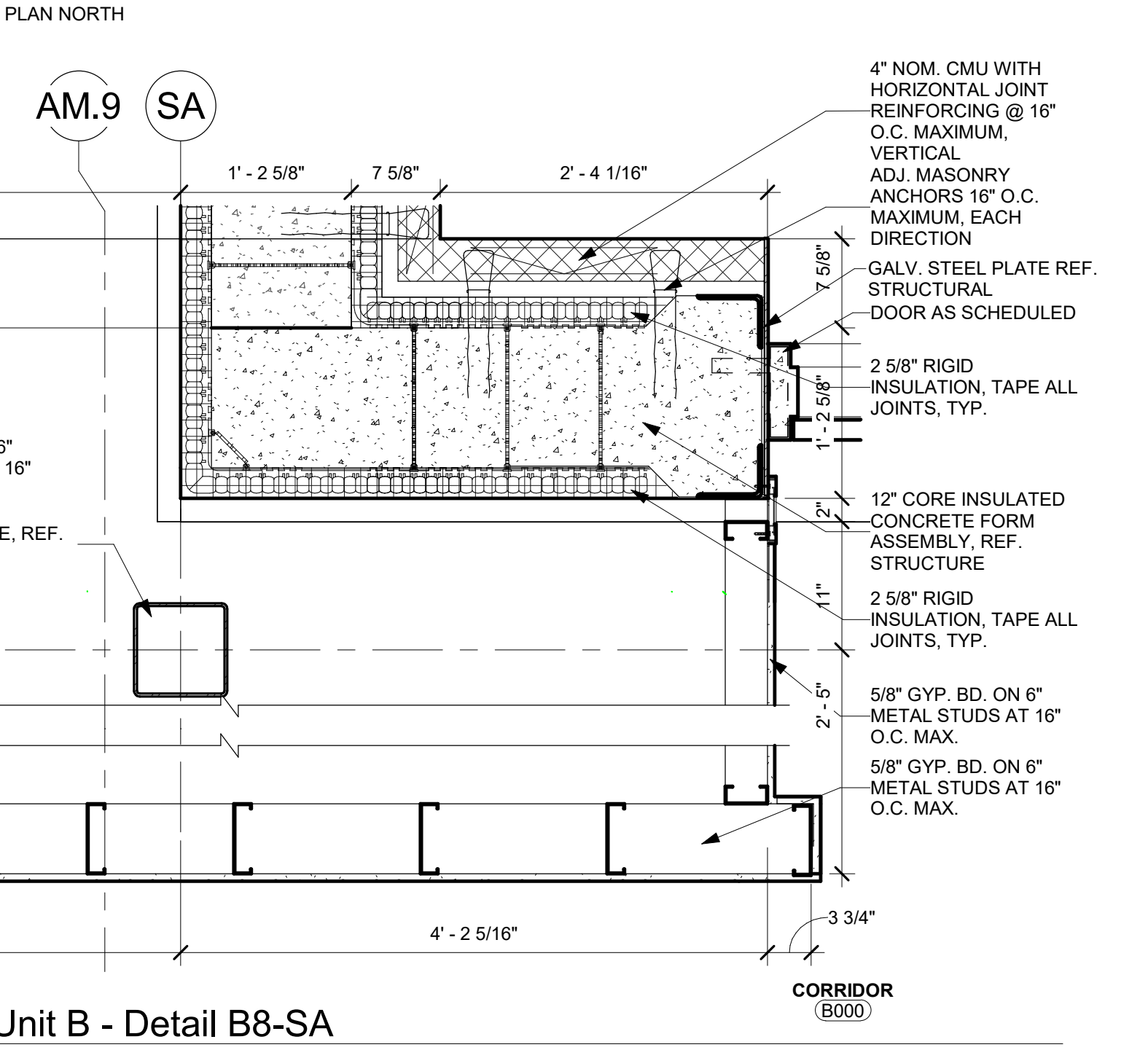
08 Floor Plan - Level 0 Unit B - Detail B4.6-BH
1" = 1'-0"



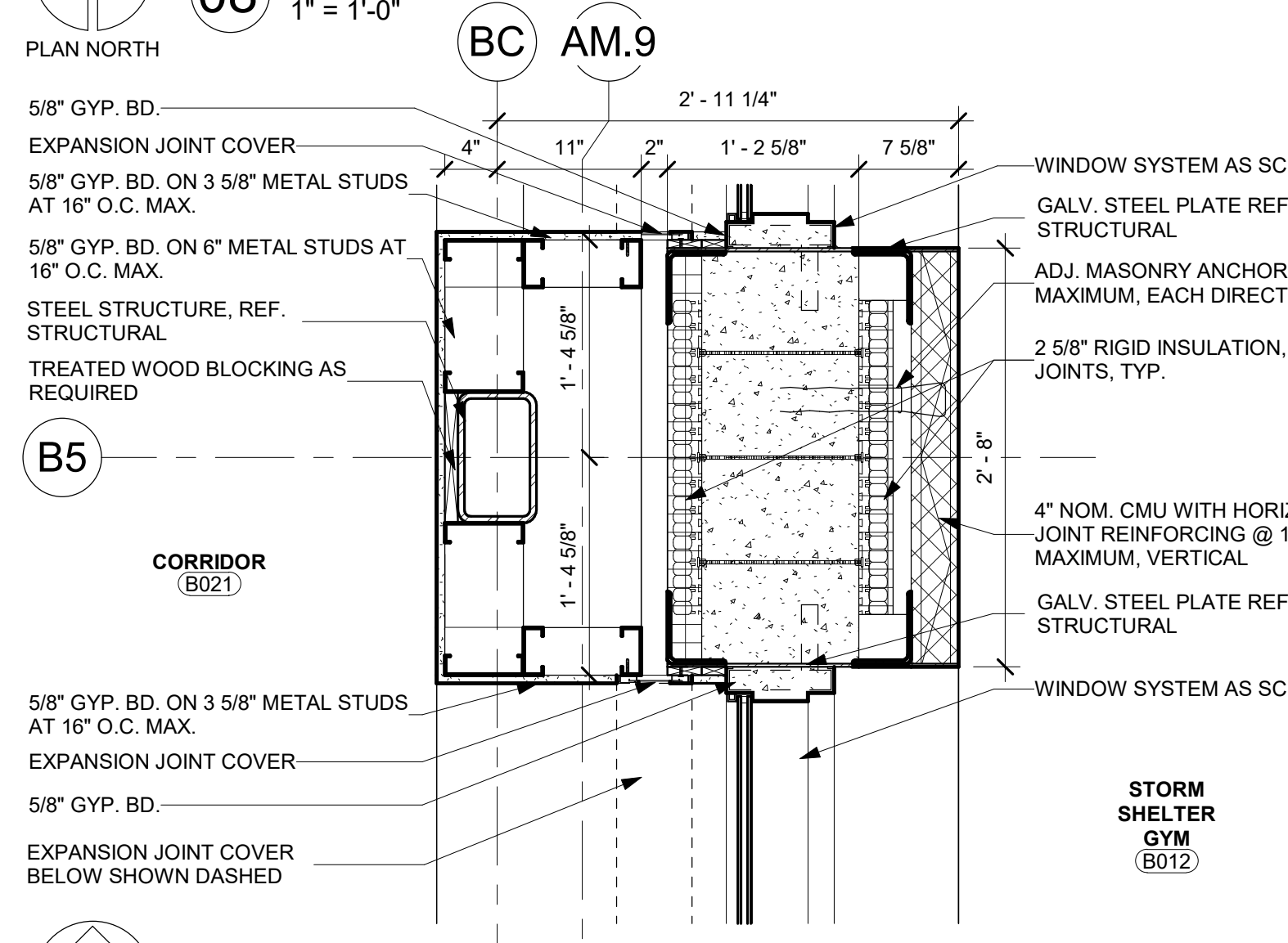
09 Floor Plan - Level 0 Unit B - Detail B4.6
1" = 1'-0"



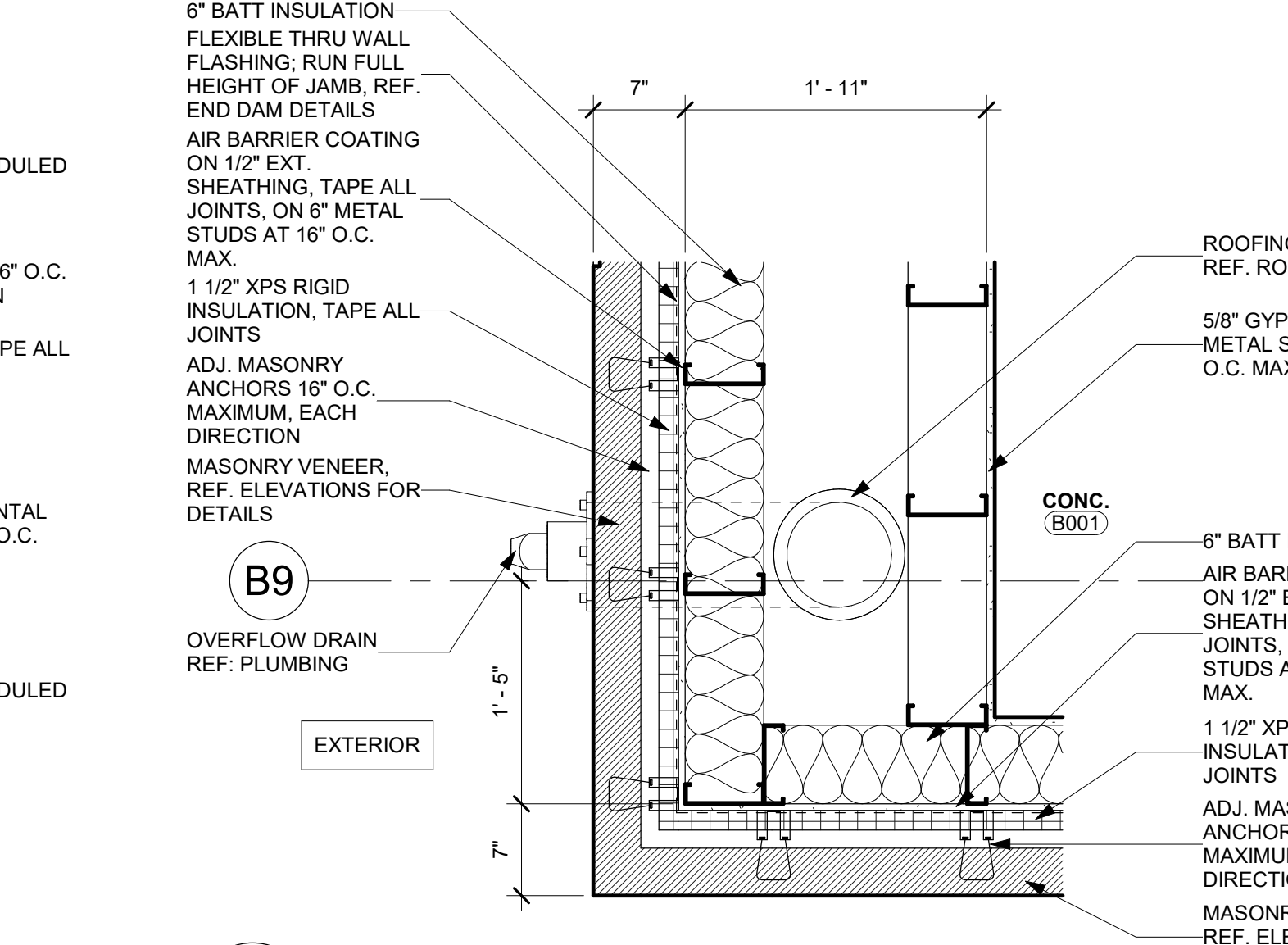
10 Level 0 Unit B - Detail B6
1" = 1'-0"



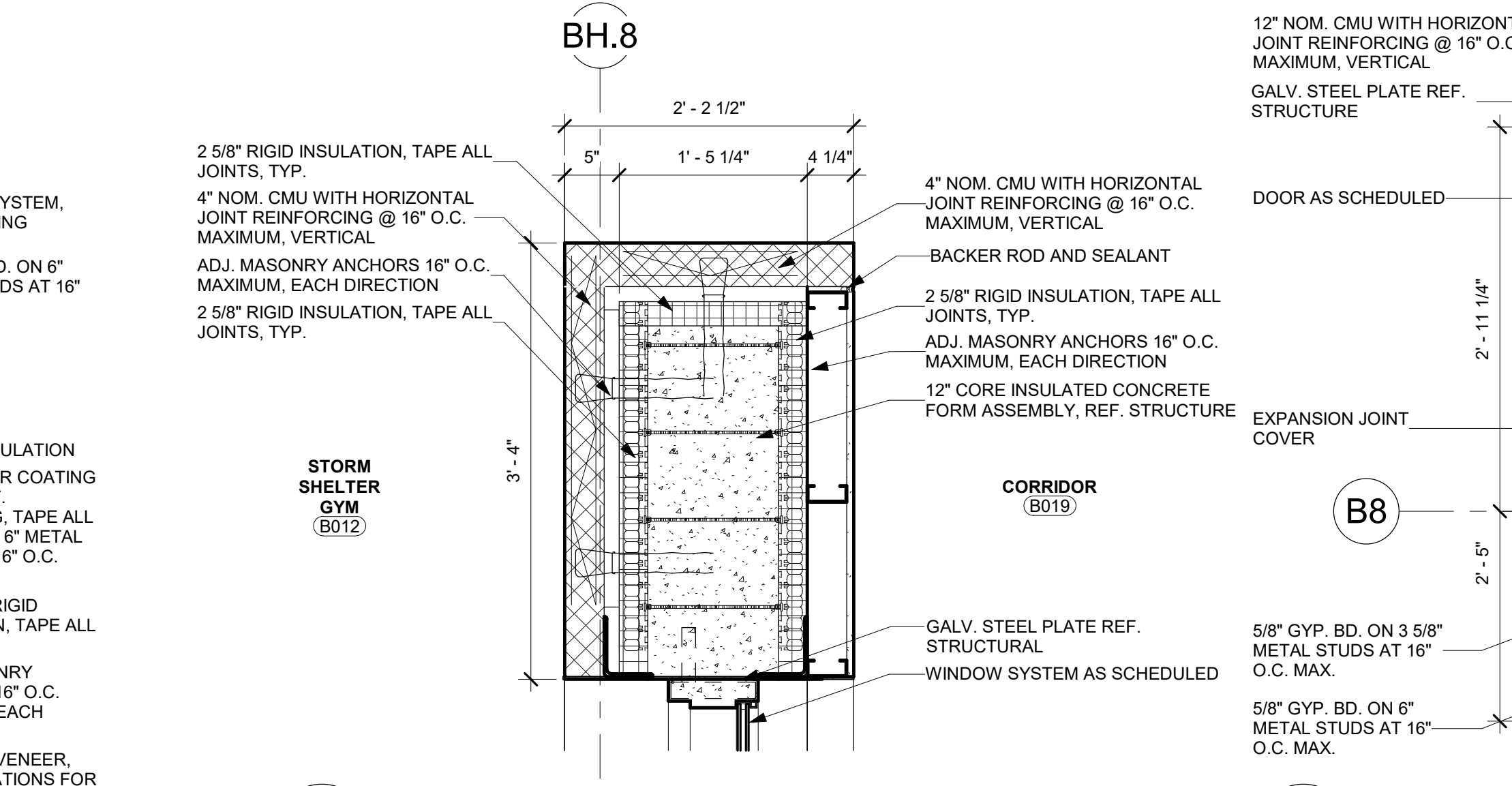
11 Level 0 Unit B - Detail B8-SA
1" = 1'-0"



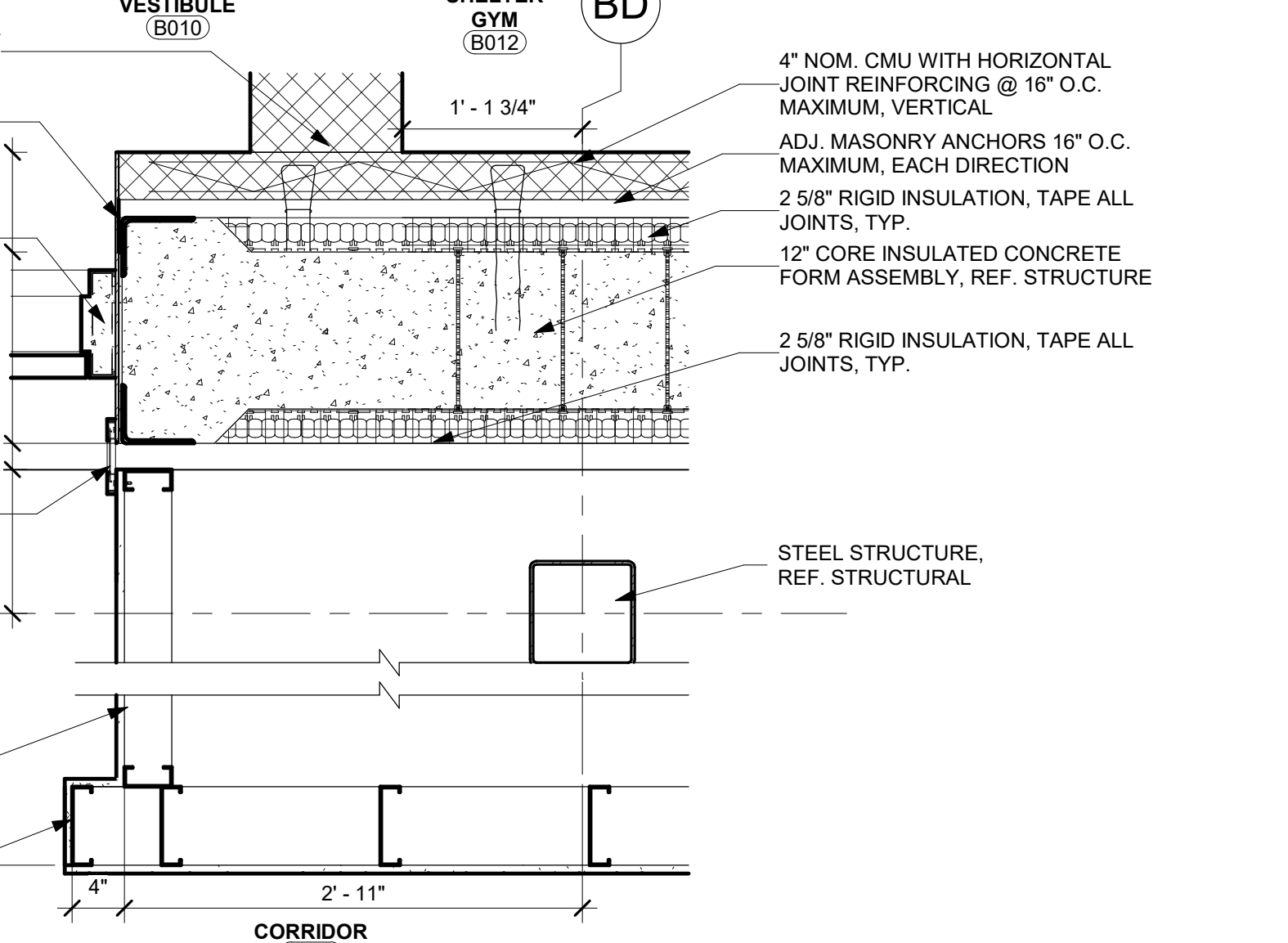
12 Level 0 Unit B - Detail B5-BC
1" = 1'-0"



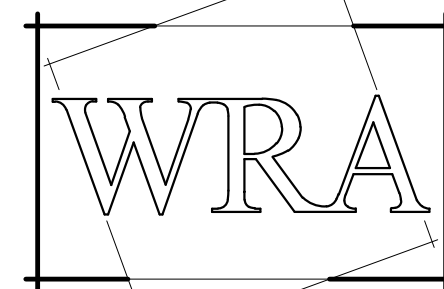
14 Level 0 Unit B - Detail B9
1" = 1'-0"



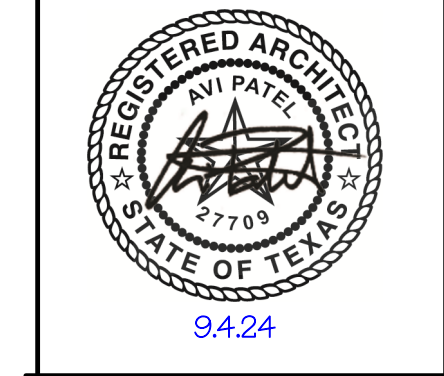
13 Level 0 Unit B - Detail BH
1" = 1'-0"



15 Level 0 Unit B - Detail B8-BD
1" = 1'-0"



WRA Architects, Inc.
12377 Merit Dr. #1800
Dallas, Texas 75251
214-750-0077
www.wraarchitects.com

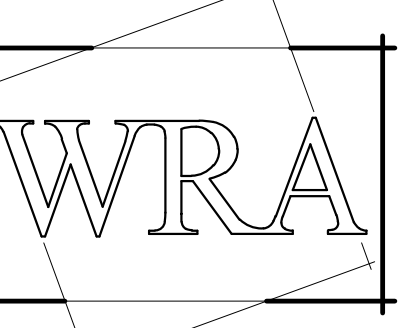


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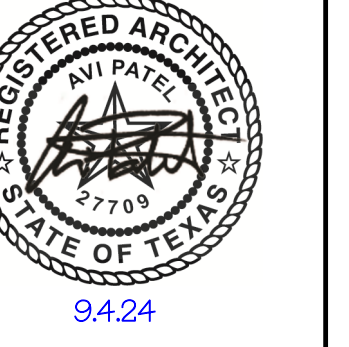
No.	Date
1 Addendum #1	09/19/2024

JOB NO. 2399
DATE: 09/19/2024

Plan Details
A245

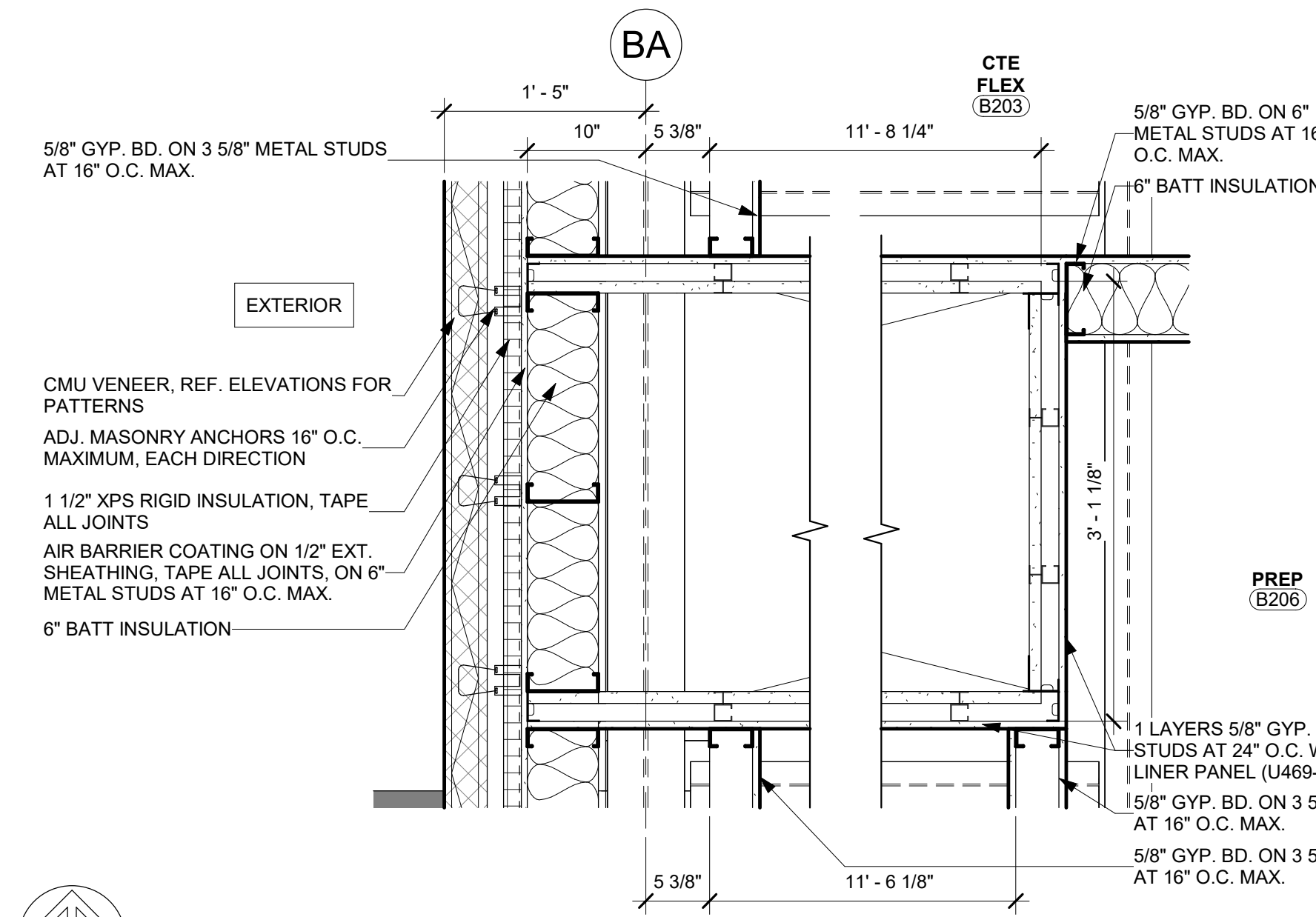


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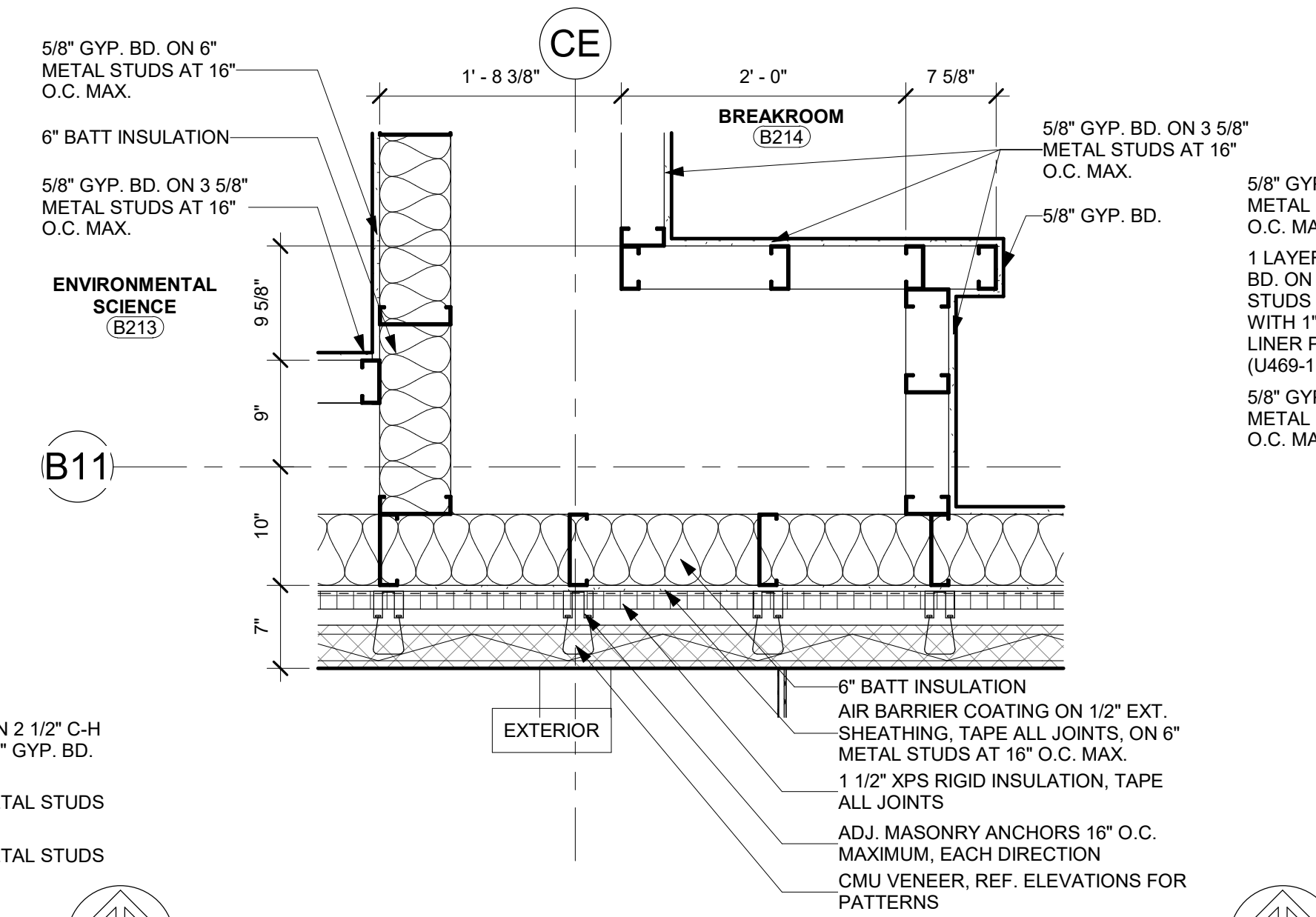


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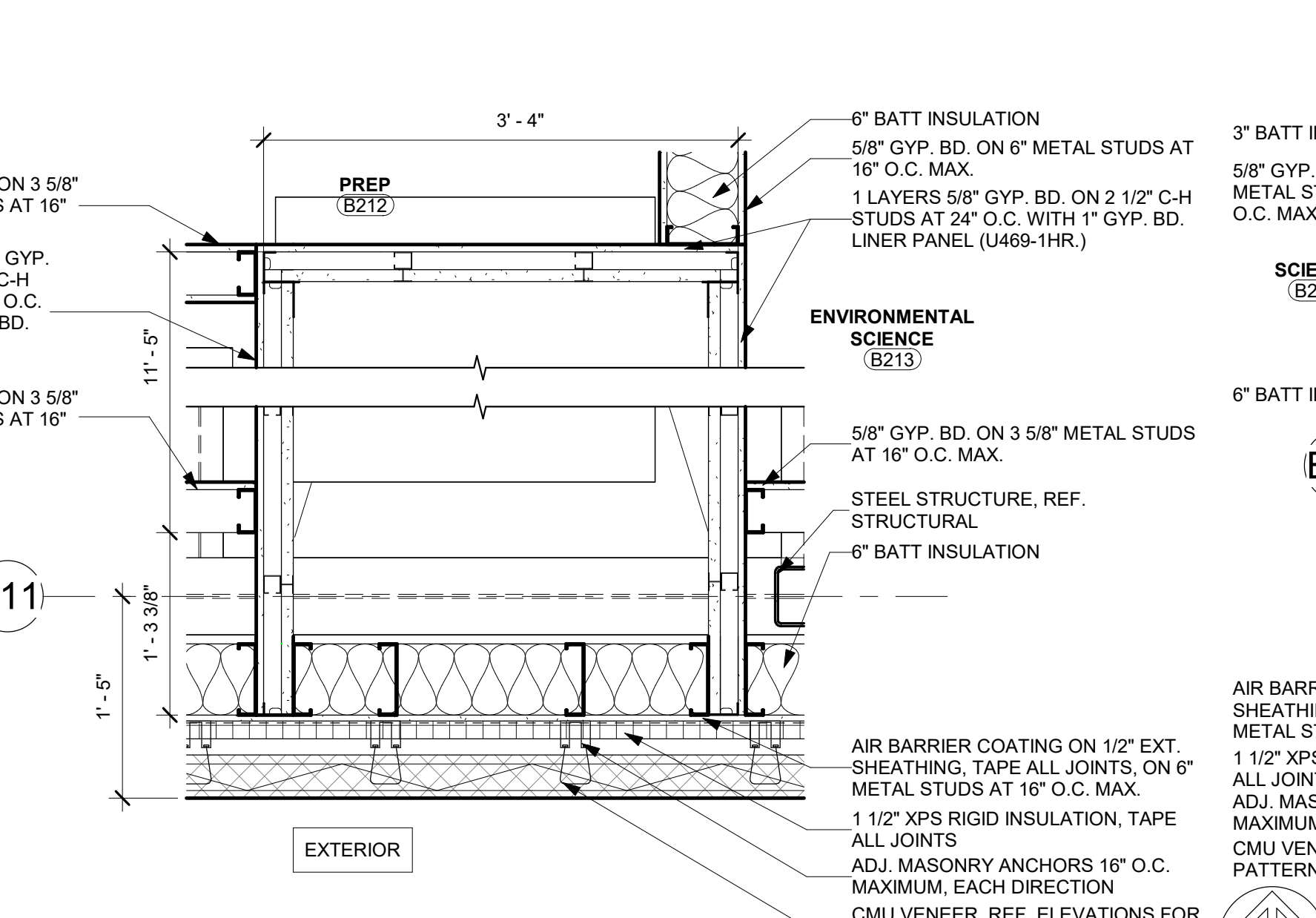
215 CHURCHILL ROAD, FORT WORTH, TEXAS - 76114



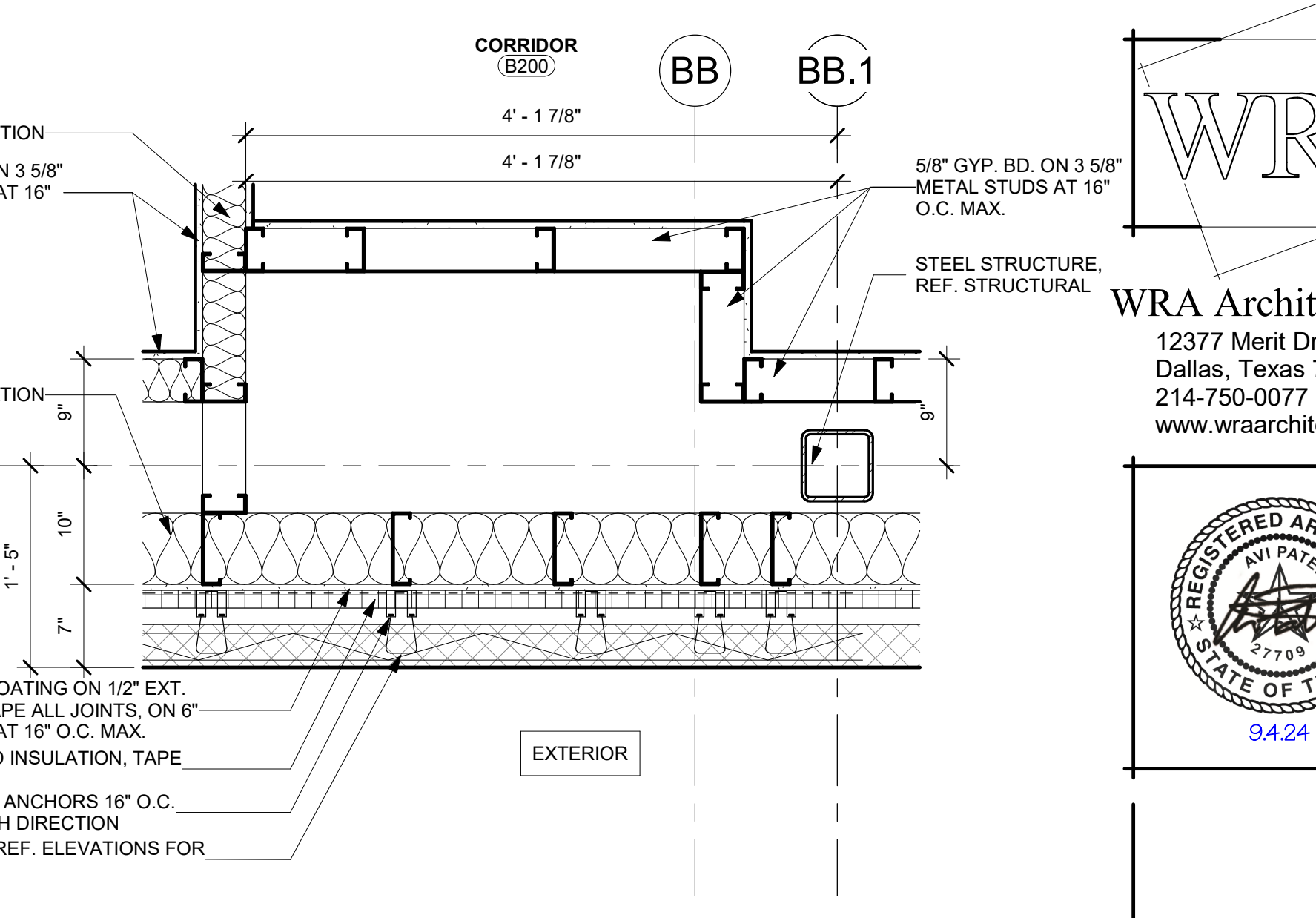
1 Level 2 Unit B - Detail BA
1" = 1'-0"



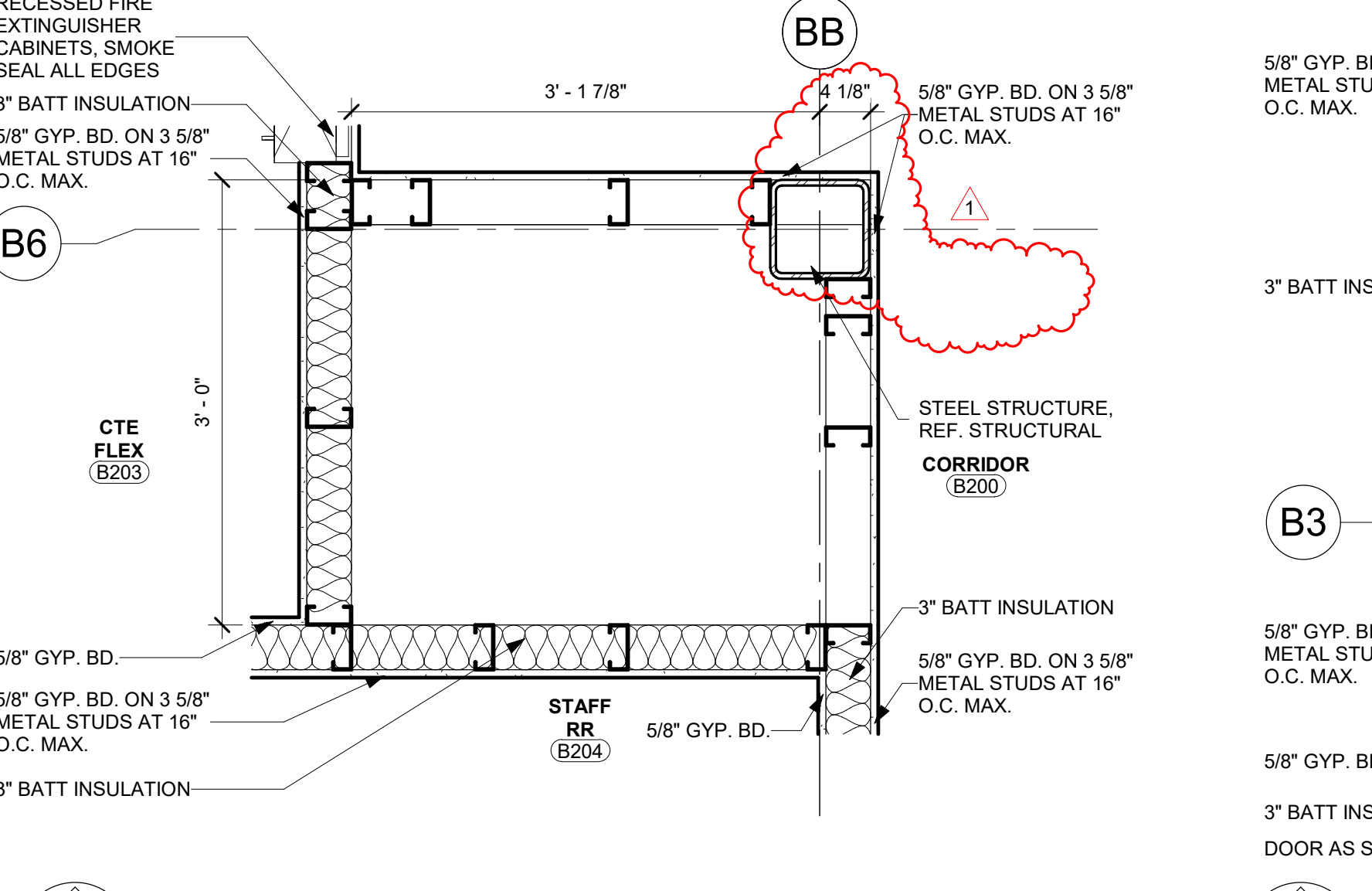
2 Level 2 Unit B - Detail B13 - B214
1" = 1'-0"



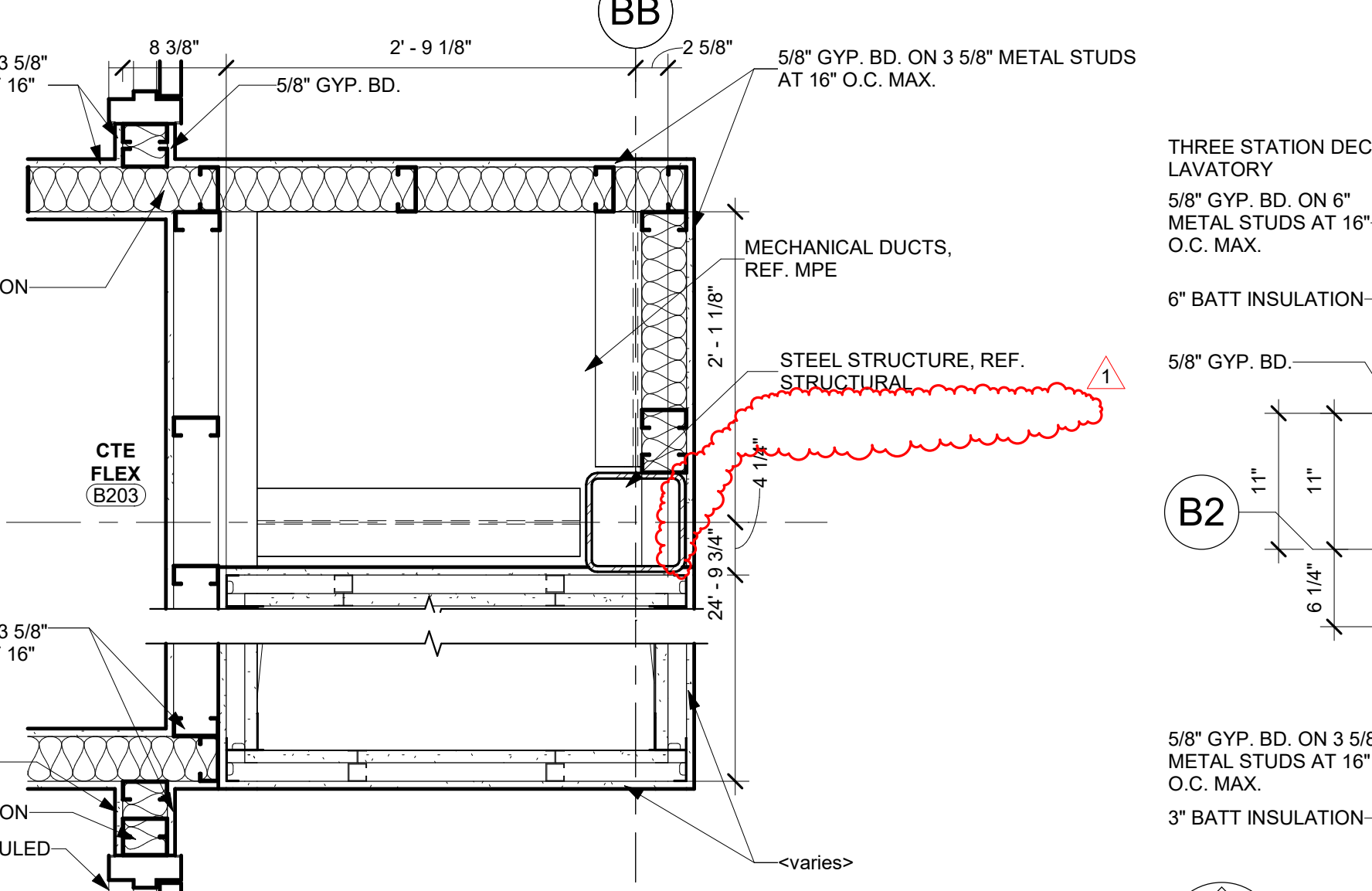
3 Level 2 Unit B - Detail B13
1" = 1'-0"



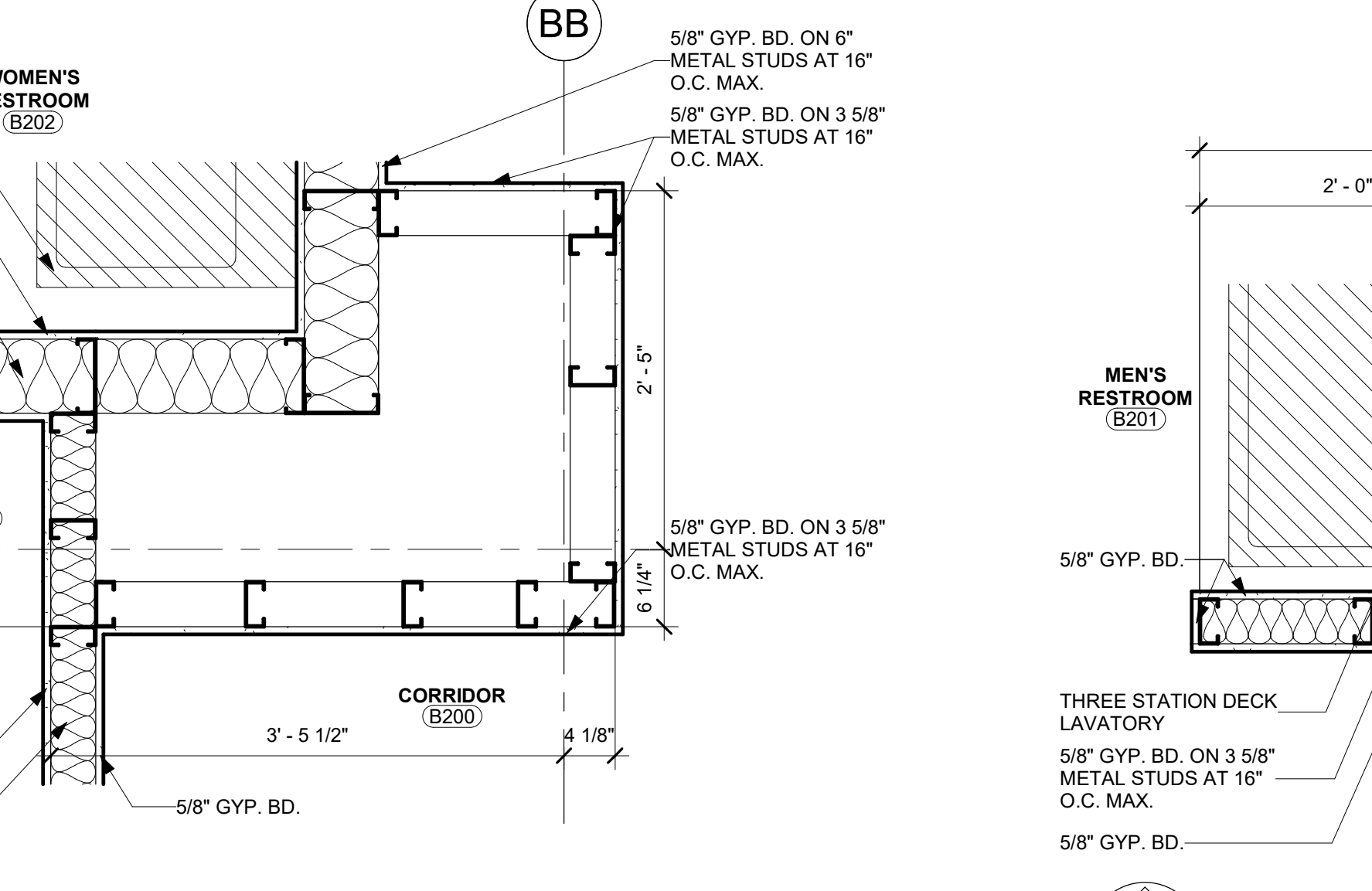
4 Floor Plan - Level 2 Unit B - Detail B13
1" = 1'-0"



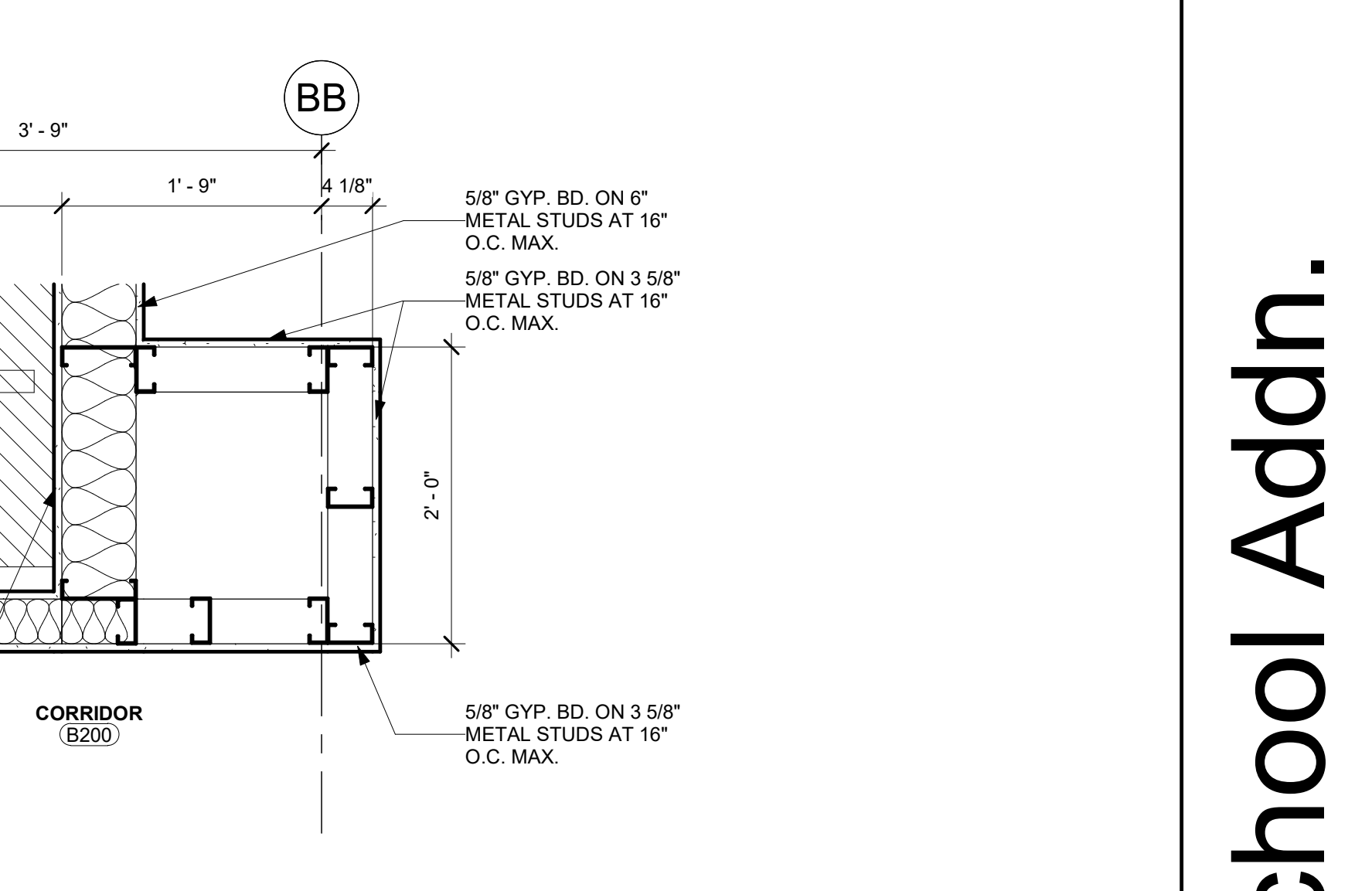
5 Level 2 Unit B - Detail B5
1" = 1'-0"



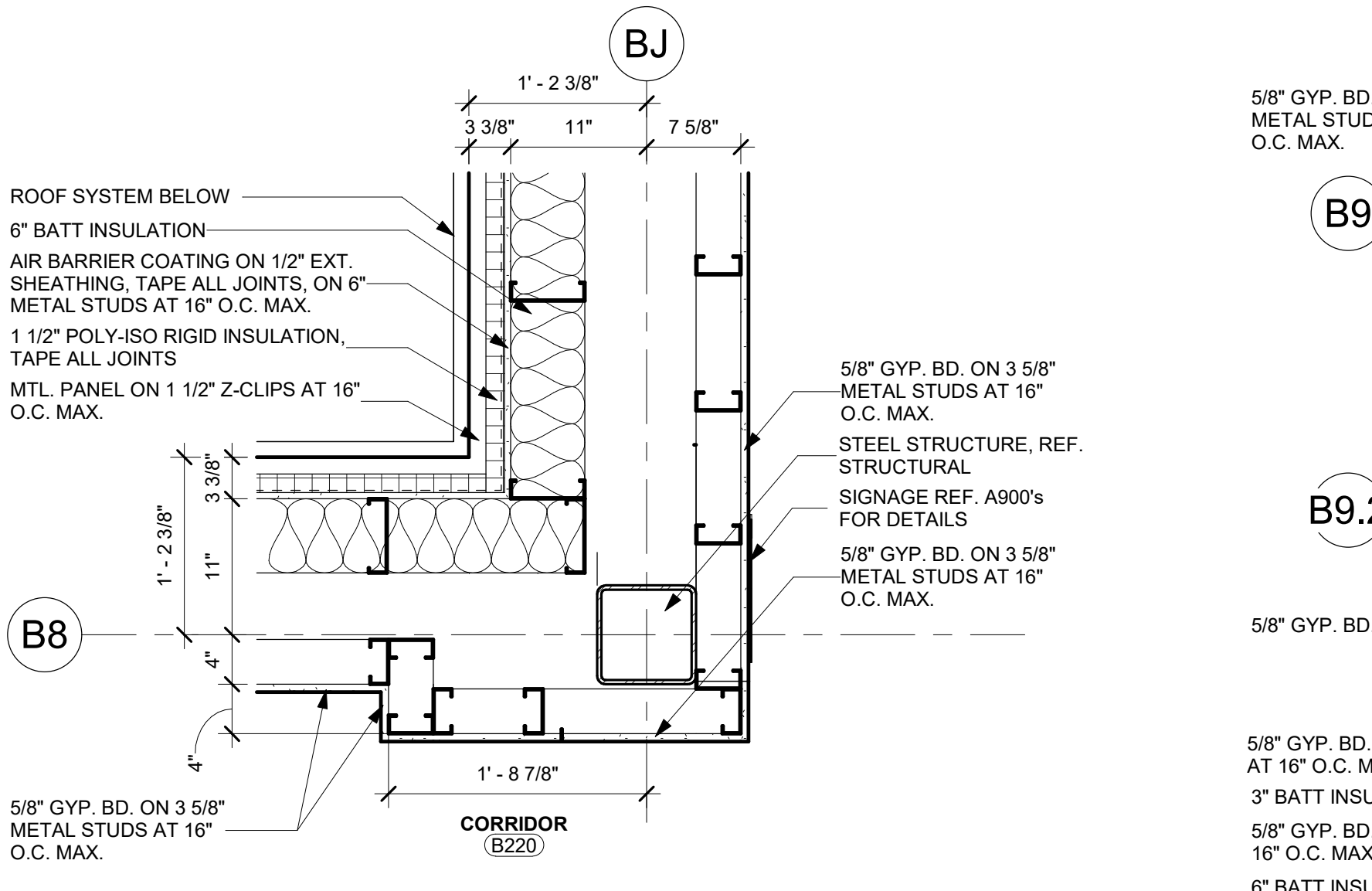
6 Level 2 Unit B - Detail B3
1" = 1'-0"



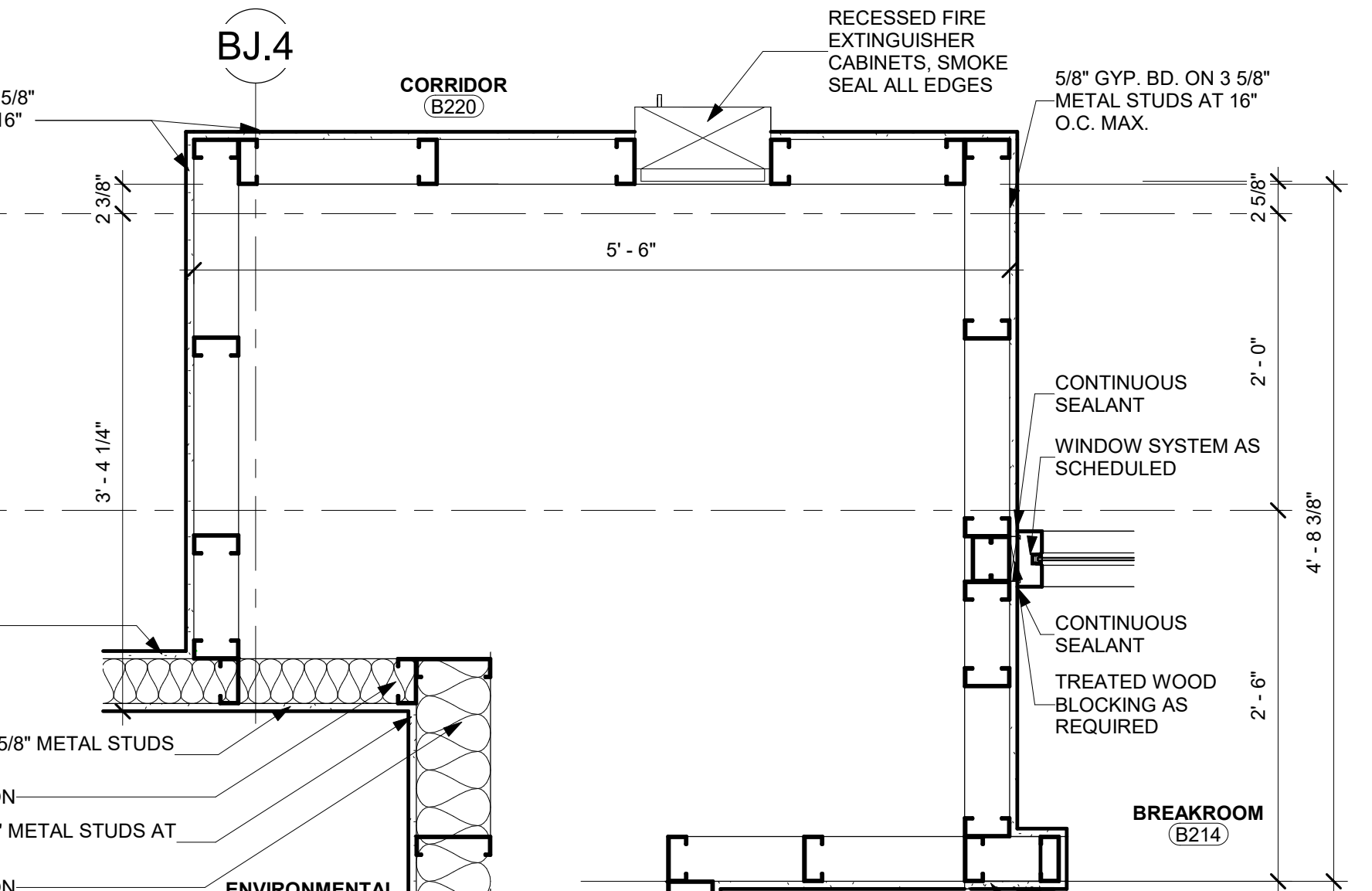
7 Level 2 Unit B - Detail B2
1" = 1'-0"



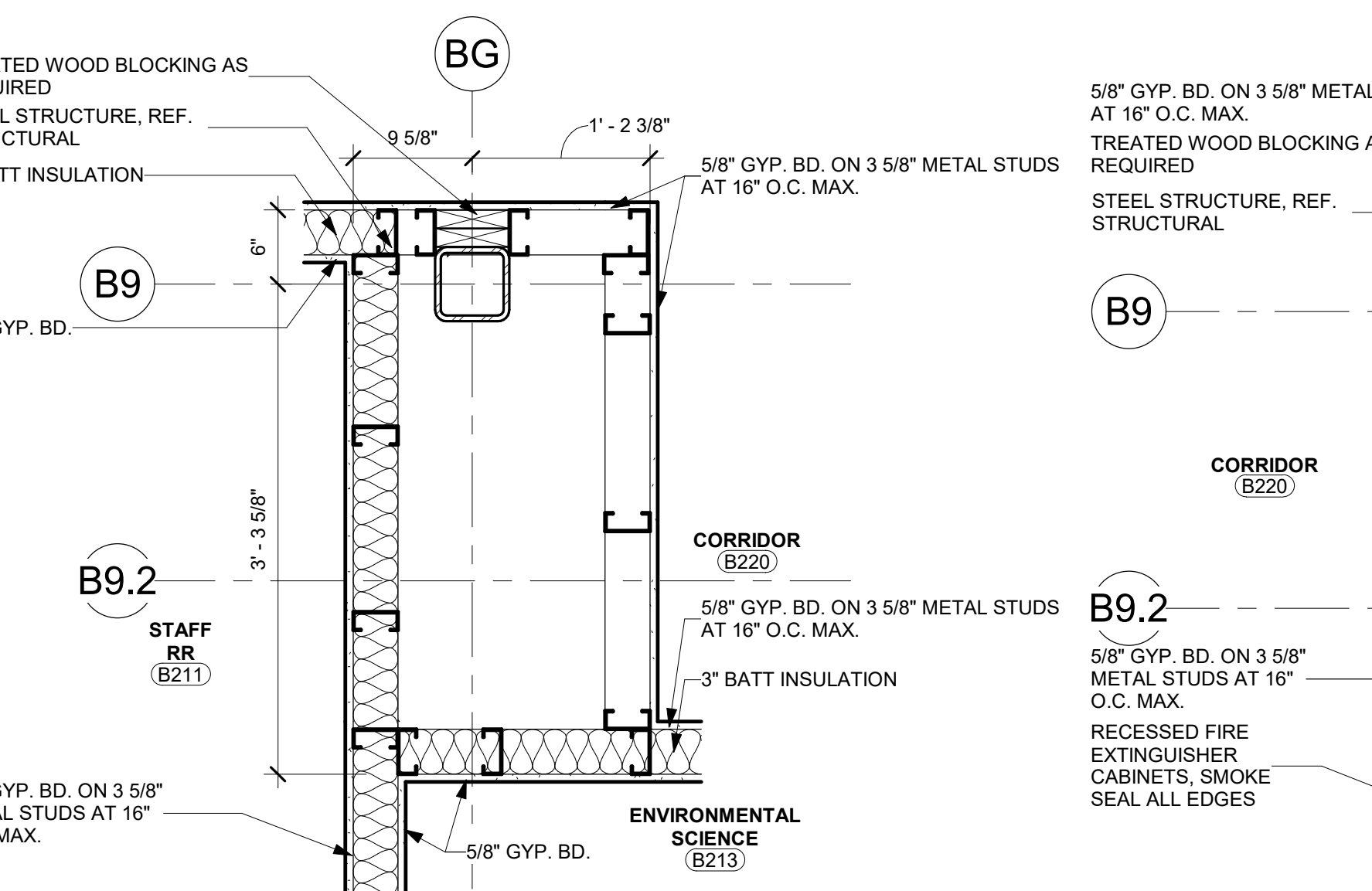
8 Level 2 Unit B - Detail B200 - W
1" = 1'-0"



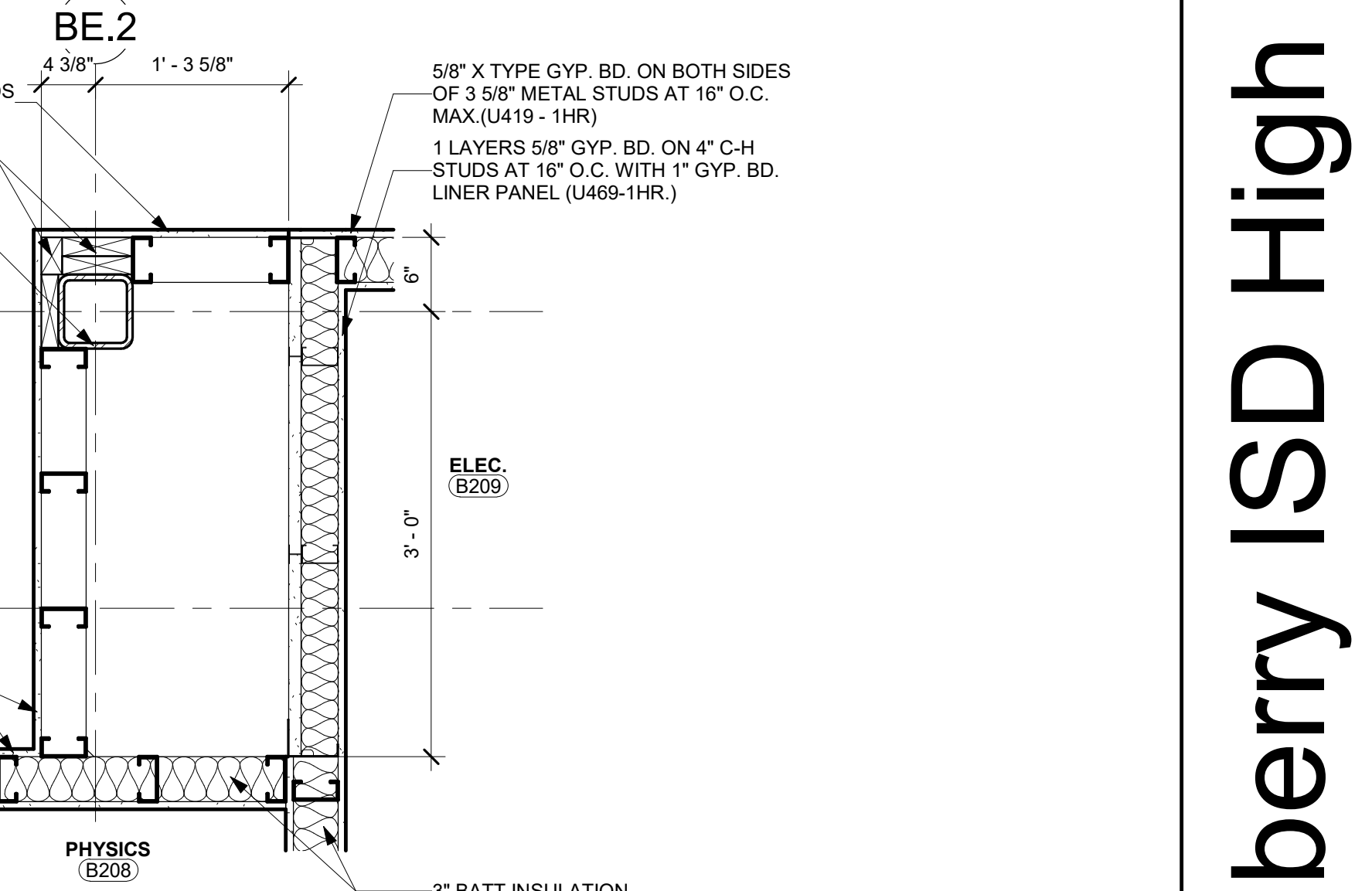
9 Level 2 Unit B - Detail B8-BK
1" = 1'-0"



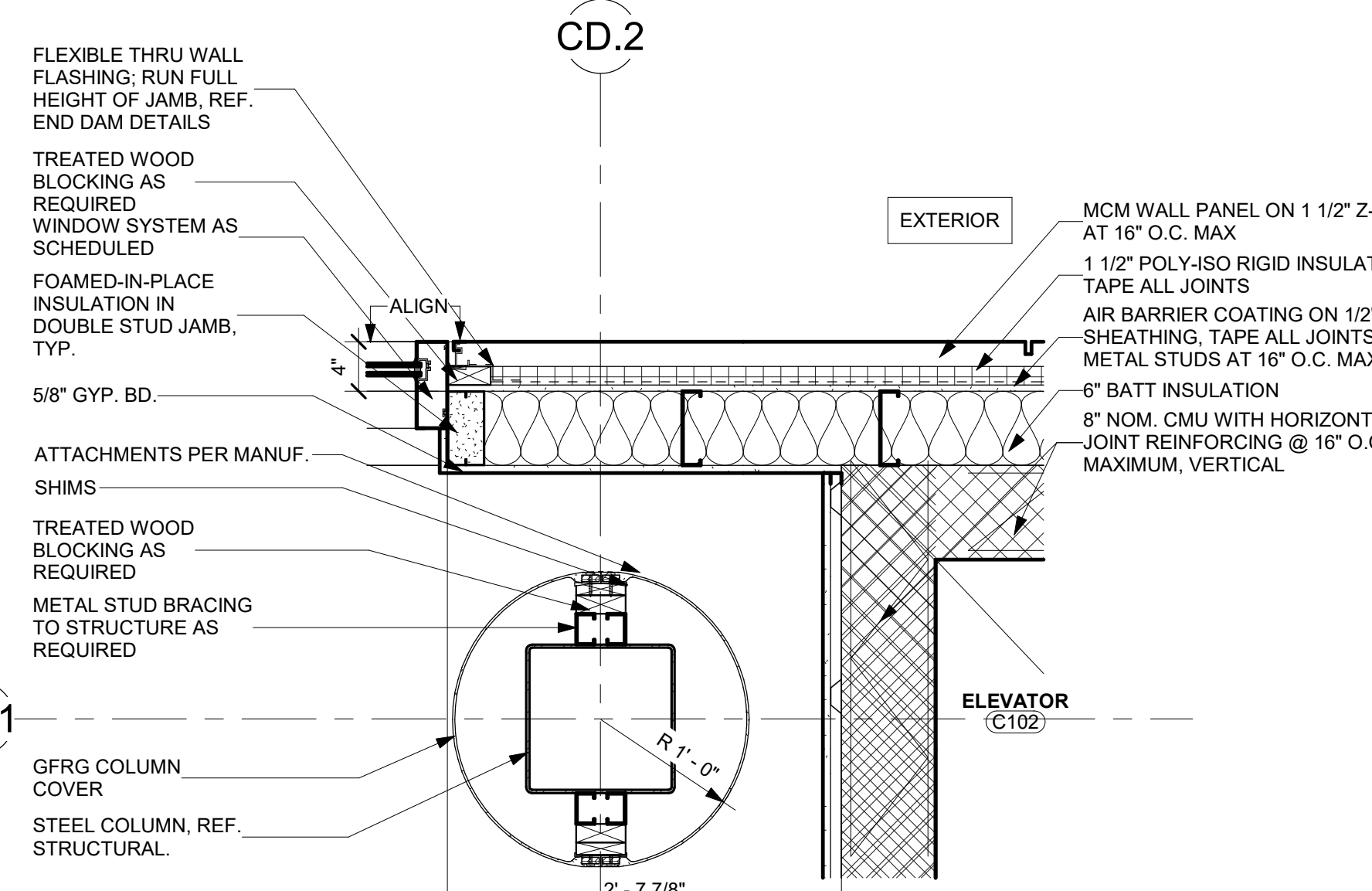
10 Level 2 Unit B - Detail B9 & B10
1" = 1'-0"



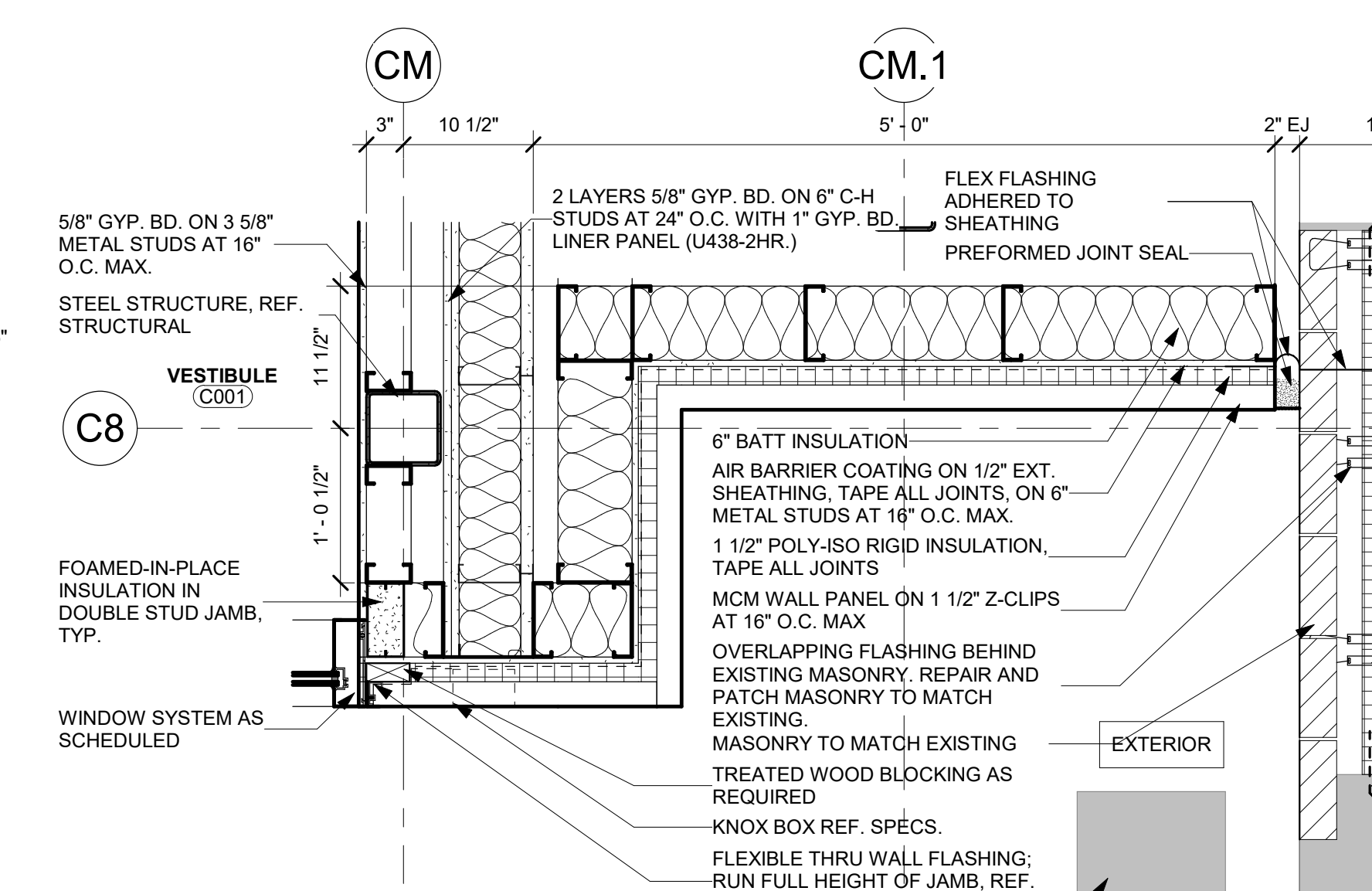
11 Level 2 Unit B - Detail B10 - BG
1" = 1'-0"



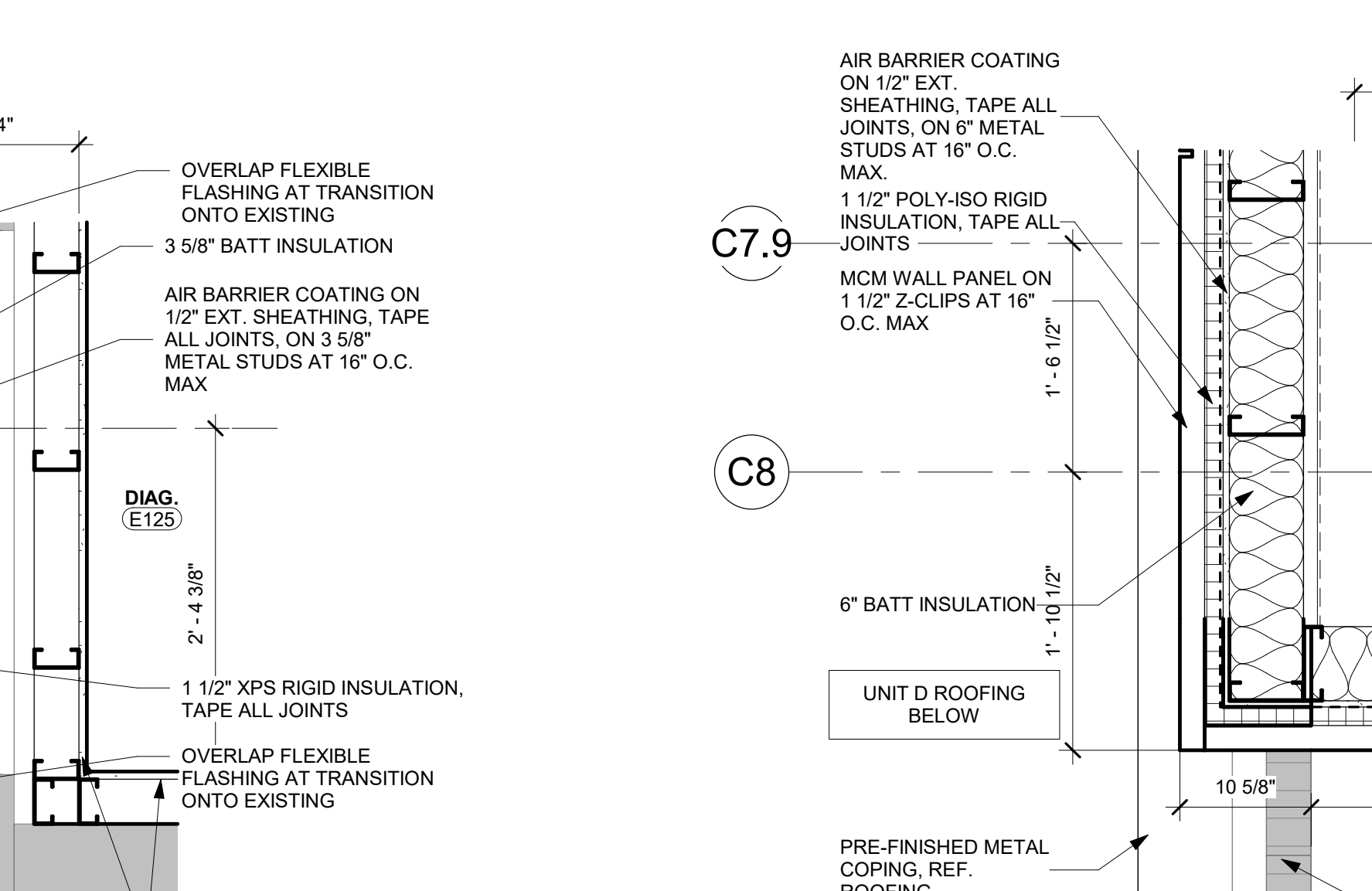
12 Level 2 Unit B - Detail B9 & B10
1" = 1'-0"



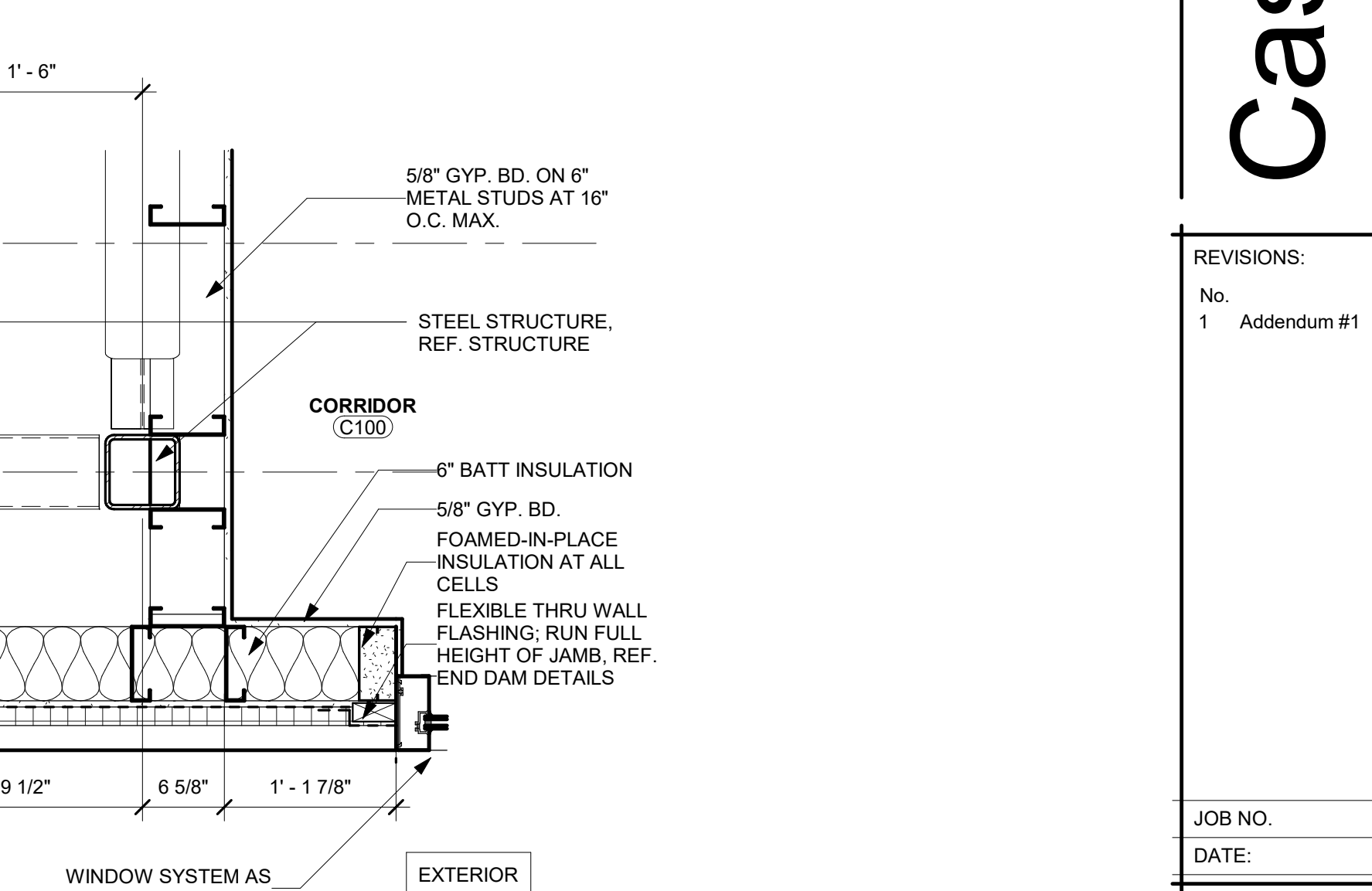
13 Level 0.5 Unit C - Detail C2
1" = 1'-0"



14 Level 0.5 Unit C - Detail C8-CM
1" = 1'-0"



15 Floor Plan - Level 1 Unit C - Detail C8 CE
1" = 1'-0"



No.	Date
1	09/19/2024

Job No.	2399
Date:	09/19/2024
Plan Details	

A247

9/19/2024 2:24:39 PM

Door Schedule - Level 1 - Unit A																
Arch No.	Ext.	S/ PR/ Bifold/ O.H.	Fire Label	Opn'g Width	Opn'g Height	Frame Mat.	Frame Type	Jamb Depth	Frame Head Width	Head	Jamb	Door Thickness	Door Mat.	Door Type	HW Set	Notes
A100.1	X	PR		6'-0"	7'-0"	Alum.	C11	6"	2"	5/A315	10/A315, 17/A315	1 3/4"	Alum.	FG2A	2.0	11, 14
A100.2	X	PR		6'-0"	7'-0"	Alum.	C11	6"	2"	5/A315	10/A315, 17/A315	1 3/4"	Alum.	FG2A	1.0	3, 11, 14, 15
A100.3		PR		6'-0"	7'-0"	Alum.	S21	4 1/2"	2"	5/A316	11/A316	1 3/4"	Alum.	FG2A	4.0	3, 11
A100.4		PR		6'-0"	7'-0"	Alum.	S21	4 1/2"	2"	5/A316	11/A316	1 3/4"	Alum.	FG2A	5.0	11
A101.1		S		3'-0"	7'-0"	Alum.	S22	4 1/2"	2"	5/A316	11/A316	1 3/4"	Alum.	FG2A	7.0	6, 11, 15
A101.2		S		3'-0"	7'-0"	Alum.	S22	4 1/2"	2"	5/A316	11/A316	1 3/4"	Alum.	FG2A	13.0	3, 6, 15
A102		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	46.0	
A103.1		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	37.0	
A103.2		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	13
A104		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	36.0	
A105.1		S		3'-0"	7'-0"	HM	H3	5 7/8"	2"	1/A319	6/A319, 9/A321	1 3/4"	WD	N6	38.0	
A106.2		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A107.2		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A108		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	46.0	
A109		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	46.0	
A110		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A112		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	31.0	
A113		S	45 MIN	3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A114		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	46.0	
A115		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A116		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A117		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	36.0	
A118		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A119		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A120		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	36.0	
A121		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A122		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	36.0	
A123.1		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	36.0	
A124.1		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	37.0	
A124.2		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	37.0	
A124.3		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	37.0	
A125		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A126		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A127		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A128		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A129		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	46.0	
A130		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	46.0	
A131		S		3'-0"	7'-0"	HM	H3	5 7/8"	2"	1/A319	6/A319, 9/A321	1 3/4"	WD	N6	37.0	
A132		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	47.0	
A133		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	38.0	
A134		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	34.0	
A135.2		S		3'-0"	7'-4"	Alum.	S28	4 1/2"	2"	5/A316	6/A316, 11/A316	1 3/4"	Alum.		14.1	
A136		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A137.1	X	PR		6'-0"	7'-0"	Alum.	S06	4 1/2"	2"	4/A315	9/A315, 17/A315	1 3/4"	Alum.	FG2A	2.0	11, 14
A137.2	X	PR		6'-0"	7'-0"	Alum.	S06	4 1/2"	2"	4/A315	9/A315, 17/A315	1 3/4"	Alum.	FG2A	1.0	3, 11, 14, 15
A137.3		PR		6'-0"	7'-0"	Alum.	S29	4 1/2"	2"	5/A316	11/A316	1 3/4"	Alum.	FG2A	6.0	11
A137.4		PR		6'-0"	7'-0"	Alum.	S29	4 1/2"	2"	5/A316	11/A316	1 3/4"	Alum.	FG2A	6.0	11
A138.1		S		3'-0"	7'-0"	Alum.	S25	4 1/2"	2"	5/A316	6/A316, 11/A316	1 3/4"	Alum.	FG2A	14.0	
A138.2		S		3'-0"	7'-0"	Alum.	S25	4 1/2"	2"	5/A316	6/A316, 11/A316	1 3/4"	Alum.	FG2A	14.0	
A139		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	45.0	
A140		S		3'-6"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	35.0	
A141		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	44.0	
A142		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	47.0	
A143.1		PR		6'-0"	7'-0"	HM	H2	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	FG2	21.0	
A143.2		PR		6'-0"	7'-0"	HM	H2	8 1/4"	4"	14/A319	18/A319	1 3/4"	WD	FG2	24.0	7, 11
A144.1		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
A144.2	X	S		3'-0"	7'-0"	HM	H1	8 1/4"	4"	14/A319	18/A319	1 3/4"	WD	N6	44.0	7
A145	X	S		3'-0"	7'-0"	HM	H1	8 1/4"	4"	14/A319	18/A319	1 3/4"	WD	N6	44.0	7
A146.1		S		3'-0"	7'-0"	HM	H1	8 1/4"	4"	14/A319	18/A319	1 3/4"	WD	F	28.0	7
A146.2		OH	20 MIN	10'-0"	11'-0"	STL	OH1			16/A319	17/A319	1/4"	STL	OH1	49.0	7
A146.3		PR	45 MIN	6'-0"	7'-0"	HM	H2	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	17.0	
A147	X	OH		12'-0"	12'-8"	STL	OH3			6/A321	1/A243	2"	STL		49.0	14
A147.1	X	S		4'-0"	7'-0"	HM	H1	8 1/4"	4"	13/A311	14/A311	1 3/4"	HM	F	9.1	3, 11
A148	X	S		4'-0"	7'-0"	HM	H1	8 1/4"	4"	3/A311	7/A311	1 3/4"	HM	F	11.0	
A149	X	S		4'-0"	7'-0"	HM	H1	8 1/4"	4"	3/A311	7/A311	1 3/4"	HM	F	11.0	
A150	X	PR		6'-0"	7'-0"	Alum.	C01	6"	2"	5/A315	10/A315, 17/A315	1 3/4"	Alum.	FG2A	1.0	3, 11, 14
A160.1		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	27.0	3
A160.2		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	27.0	3
A170.1		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	27.0	3
A170.2		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	27.0	3
A190.1	X	S		4'-0"	7'-0"	Alum.	S04	4 1/2"	2"	4/A315	6/A312, 9/A315	1 3/4"	Alum.	FG2A	3.0	3, 10, 11, 14
A190.2	X	S		4'-0"	7'-0"	Alum.	S04	4 1/2"	2"	4/A315	6/A312, 9/A315	1 3/4"	Alum.	FG2A	3.1	10, 11, 14
A191		S	45 MIN	3'-0"	7'-0"	HM	H1	8 1/4"	2"	2/A319	7/A319	1 3/4"	WD	F	36.0	

Door Schedule - Level 2 - Unit A																
Arch No.	Ext.	S/ PR/ Bifold/ O.H.	Fire Label	Opn'g Width	Opn'g Height	Frame Mat.	Frame Type	Jamb Depth	Frame Head Width	Head	Jamb	Door Thickness	Door Mat.	Door Type	HW Set	Notes
A201		S		3'-0"	7'-0"	Alum.	S39	4 1/2"	2"	5/A316	11/A316	1 3/4"	Alum.	FG2A	14.0	
A202.1		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A202.2		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
A203		S		3'-0"	7'-0"	Alum.	S38	4 1/2"	2"	5/A316	11/A316	1 3/4"	Alum.	FG2A	14.0	
A204		S		3'-0"	7'-0"	Alum.	S39	4 1/2"	2"	5/A316	11/A316	1 3/4"	Alum.	FG2A	14.0	
A205		S		3'-0"	7'-0"	Alum.	S39	4 1/2"	2"	5/A316	11/A316	1 3/4"	Alum.	FG2A	14.0	
A206		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
A207		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
A208		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
A209		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
A210		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
A211		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
A212		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
A213		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
A214		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
A215		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
A216		PR		6'-0"	7'-0"	HM	H2	8 1/4"	2"	2/A319	7/A319	1 3/4"	WD	FG2	18.0	
A217		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	34.0	
A218.1		S		3'-0"	7'-0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
A218.2</																

Door Schedule - Unit D																
Arch No.	Ext.	S/ PR/ Bifold/ O.H.	Fire Label	Opn'g Width	Opn'g Height	Frame Mat.	Frame Type	Jamb Depth	Frame Head Width	Head	Jamb	Door Thickness	Door Mat.	Door Type	HW Set	Notes
D101		PR		6' - 0"	7' - 0"	HM	H2	5 7/8"	4"	4/A320	9/A320	1 3/4"	WD	N6	24.0	1
D102	X	PR		6' - 0"	7' - 0"	Alum.	H3	8 1/4"	4"	4/A311	8/A311	1 3/4"	Alum.	FG2	10.0	11

Door Schedule - Level 0.5 - Unit E																
Arch No.	Ext.	S/ PR/ Bifold/ O.H.	Fire Label	Opn'g Width	Opn'g Height	Frame Mat.	Frame Type	Jamb Depth	Frame Head Width	Head	Jamb	Door Thickness	Door Mat.	Door Type	HW Set	Notes
E101		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
E102		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	36.0	
E103		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	36.0	
E104		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	34.0	
E105		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	46.0	
E106.1		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	40.0	
E106.2		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	40.0	
E107.1		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
E107.2		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
E107.3		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
E107.4		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
E107.5		OH		7' - 6"	5' - 2"	STL	OH4	5/A320	10/A320	2"	STL				49.0	
E107.6		OH		7' - 6"	5' - 2"	STL	OH4	5/A320	10/A320	2"	STL				49.0	
E108		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	33.0	7
E111.1		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
E111.2		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
E115		S		3' - 0"	7' - 0"	HM	H3	5 7/8"	2"	5/A322	6/A322, 9/A321	1 3/4"	WD	N6	37.0	1
E116		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	34.0	
E117		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
E119		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
E120		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	47.0	
E121.1		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
E122		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	47.0	
E123		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
E125		S		3' - 0"	7' - 0"	HM	H3	5 7/8"	2"	12/A320	17/A320, 9/A321	1 3/4"	WD	N6	44.0	
E126		S		3' - 0"	7' - 0"	HM	H3	5 7/8"	2"	1/A319	6/A319, 9/A321	1 3/4"	WD	N6	38.0	
E127		S		3' - 0"	7' - 0"	HM	H3	5 7/8"	2"	1/A319	6/A319, 9/A321	1 3/4"	WD	N6	38.0	

Door Schedule - Level 1 - Unit E																
Arch No.	Ext.	S/ PR/ Bifold/ O.H.	Fire Label	Opn'g Width	Opn'g Height	Frame Mat.	Frame Type	Jamb Depth	Frame Head Width	Head	Jamb	Door Thickness	Door Mat.	Door Type	HW Set	Notes
E202.1		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	34.0	
E210		PR		6' - 0"	7' - 0"	HM	H2	8 1/4"	2"	14/A320	19/A320	1 3/4"	WD	N6	25.0	11
E211.1		PR		6' - 0"	7' - 0"	HM	H2	8 1/4"	2"	14/A320	19/A320	1 3/4"	WD	N6	22.0	8,11
E211.2		PR		6' - 0"	7' - 0"	HM	H2	8 1/4"	4"	16/A320	20/A320	1 3/4"	WD	N6	22.0	1,8,11
E211.3	X	PR		6' - 0"	7' - 0"	HM	H2	8 1/4"	2"	12/A311	16/A311	1 3/4"	HM	F	9.0	1, 11, 12
E212		S		4' - 0"	7' - 0"	HM	H1	8 1/4"	2"	16/A320	20/A320	1 3/4"	WD	N6	39.0	8
E213		PR	45 MIN	6' - 0"	7' - 0"	HM	H2	5 7/8"	4"	1/A322	2/A322	1 3/4"	WD	F	20.0	8
E214		PR		6' - 0"	7' - 0"	HM	H2	8 1/4"	4"	16/A320	20/A320	1 3/4"	WD	N6	26.0	1,8
E215		S		3' - 0"	7' - 0"	HM	H1	8 1/4"	4"	16/A320	20/A320	1 3/4"	WD	N6	43.0	8
E216		S		3' - 0"	7' - 0"	HM	H1	8 1/4"	4"	16/A320	20/A320	1 3/4"	WD	N6	43.0	8
E217		S		3' - 0"	7' - 0"	HM	H1	8 1/4"	4"	16/A320	20/A320	1 3/4"	WD	N6	43.0	8
E218		S		3' - 0"	7' - 0"	HM	H1	8 1/4"	4"	16/A320	20/A320	1 3/4"	WD	N6	43.0	8
E219		PR		6' - 0"	7' - 0"	HM	H2	8 1/4"	2"	16/A320	20/A320	1 3/4"	WD	N6	25.0	1, 11
E220.1		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	37.0	
E220.2				6' - 8"	4' - 0"	STL	OH4	5/A320	10/A320	1/4"	STL				49.0	
E221		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	34.0	
E222		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	46.0	
E225.1		S		4' - 0"	7' - 0"	HM	H1	8 1/4"	2"	2/A319	7/A319	1 3/4"	WD	N6	44.0	
E225.2		PR		6' - 0"	7' - 0"	HM	H2	8 1/4"	4"	13/A320	18/A320	1 3/4"	WD	N6	24.0	1
E227		S		3' - 0"	7' - 0"	HM	H1	8 1/4"	2"	2/A319	7/A319	1 3/4"	WD	N6	36.0	
E228		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	38.0	
E229		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	14/A320	19/A320	1 3/4"	WD	N6	44.0	

Alternate #1
Base Bid: Existing to Remain
Add Alternate Bid: Add renovation scope of Theater spaces (Black box, Theater CR, Dressing rooms and affiliated rooms).

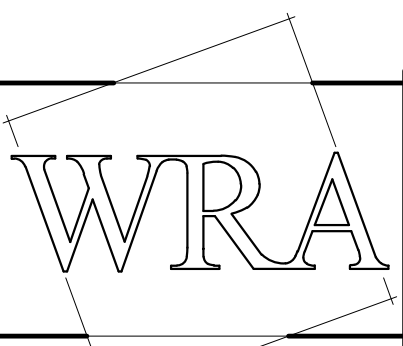
Door Schedule - Level 1.5 - Unit F																
Arch No.	Ext.	S/ PR/ Bifold/ O.H.	Fire Label	Opn'g Width	Opn'g Height	Frame Mat.	Frame Type	Jamb Depth	Frame Head Width	Head	Jamb	Door Thickness	Door Mat.	Door Type	HW Set	Notes
F101		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
F101A		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	34.0	
F102		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
F102B		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	34.0	
F105		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	34.0	
F105A		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	34.0	
F106		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	48.0	
F107		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	47.0	
F108		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	48.0	
F109		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	47.0	
F110		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	34.0	
F111		PR	90 MIN	6' - 0"	7' - 0"	HM	H2	8 1/4"	2"	2/A319	7/A319	1 3/4"	WD	N6	20.0	1

Alternate #1
Base Bid: Existing to Remain
Add Alternate Bid: Add renovation scope of Theater spaces (Black box, Theater CR, Dressing rooms and affiliated rooms).

Door Schedule - Level 1 - Unit H																
Arch No.	Ext.	S/ PR/ Bifold/ O.H.	Fire Label	Opn'g Width	Opn'g Height	Frame Mat.	Frame Type	Jamb Depth	Frame Head Width	Head	Jamb	Door Thickness	Door Mat.	Door Type	HW Set	Notes
H104		S	20 MIN	3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	30.0	
H108		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	36.0	
H111		S	20 MIN	3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
H113		S	20 MIN	3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	
H114.1		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	36.0	
H114.2		S		3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	36.0	
H115		S	20 MIN	3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	46.0	
H116		S	20 MIN	3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	F	46.0	
H117		S	20 MIN	3' - 0"	7' - 0"	HM	H1	5 7/8"	2"	1/A319	6/A319	1 3/4"	WD	N6	44.0	

Alternate #1
Base Bid: Existing to remain
Add Alternate Bid: Includes Renovation of 195B Wing (Unit H)

Door Schedule - Unit Z																
Arch No.	Ext.	S/ PR/ Bifold/ O.H.	Fire Label	Opn'g Width	Opn'g Height	Frame Mat.	Frame Type	Jamb Depth	Frame Head Width	Head	Jamb	Door Thickness	Door Mat.	Door Type	HW Set	Notes
Z101	X	S		3' - 0"	7' - 0"	HM	H1	8 1/4"	4"	1/A311	5/A311	1 3/4"	HM	F	9.2	3



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Castleberry ISD High School Addn.
 215 CHURCHILL ROAD, FORT WORTH, TEXAS - 76114

Door Schedule Notes	
1	REMOVABLE MULLION PER HARDWARE SCHEDULE
2	MAGNETIC HOLD OPENS
3	PROVIDE CARD ACCESS
4	PROVIDE PEEP HOLE @ 5'-0" A.F.F.
5	ICC-500 (2020) 250 MPH ZONE TORNADO SHELTER DOOR
6	PUSH BUTTON ACCESS FROM RECEPTION - REMOTE RELEASE
7	SMOKE RATED DOOR
8	SOUND RATED DOOR
9	CASE OPENING - NO HARDWARE REQUIRED
10	ANTI-INTRUSION FILM AT EXTERIOR DOOR
11	PANIC HARDWARE ON DOOR
12	ELECTRIFIED HARDWARE AND ACCESS CONTROL
13	ONE WAY FILM ON LITE
14	SECURITY FILM ON GLAZING IN DOOR
15	PUSH BUTTON ACCESS FROM ATTENDANCE CLERK - REMOTE RELEASE

REVISIONS:	
No.	Date
1	Addendum #1 09/19/2024

JOB NO.	2359
DATE:	09/19/2024
Door Schedule	
A302	

TYPE	WALL THICKNESS	DESCRIPTION	U.L. DESIGN NUMBER WHERE SCHEDULED	STC RATING WITHOUT/ WITH INSULATION
A4	4 7/8"	1 LAYER OF 5/8" GYPSUM BOARD	U465 - 1HR	N/A / 45
3 5/8" STUDS		METAL STUDS AT 16" O.C.		N/A / 45
A6	7 1/4"	1 LAYER OF 5/8" GYPSUM BOARD		
6" STUDS				
B4	6 1/8"	2 LAYERS OF 5/8" GYPSUM BOARD	U425 - 2HR	N/A / 53
3 5/8" STUDS		METAL STUDS AT 16" O.C.		
B6	8 1/2"	2 LAYERS OF 5/8" GYPSUM BOARD		N/A / 53
6" STUDS				
C2	3 1/8"	METAL STUDS AT 16" O.C.		N/A / ?
2 1/2" STUDS				
C4	4 1/4"	METAL STUDS AT 16" O.C.		N/A / 22
3 5/8" STUDS				
C6	6 5/8"	1 LAYER OF 5/8" GYPSUM BOARD		N/A / ?
6" STUDS				
D2	3 3/4"	2 LAYER OF 5/8" GYPSUM BOARD	U438 - 2HR	39 / 46
1 1/2" CH STUDS		METAL STUDS AT 24" O.C.		
D4	5 1/4"	1" SHAFT LINER		
3" CH STUDS				
E4	3 5/8"	TYPE E4: WYTHE 4" (NOM.) CMU	U905 - 2HR @ 7 5/8"	43 / N/A
4" CMU				
E6	5 5/8"	TYPE E6: WYTHE 6" (NOM.) CMU		44 / N/A
6" CMU				
E8	7 5/8"	TYPE E8: WYTHE 8" (NOM.) CMU		45 / N/A
8" CMU				
E12	11 5/8"	TYPE E12: WYTHE 12" (NOM.) CMU		51 / N/A
12" CMU				
F4	5 1/8"	5/8" GYPSUM BOARD	U914 - 3HR @ 9 1/8"	7 / N/A
4" CMU				
F6	7 1/8"	7/8" FURRING CHANNELS AT 16" O.C.		7 / N/A
6" CMU				
F8	9 1/8"	TYPE F4: WYTHE 4" (NOM.) CMU TYPE F6: WYTHE 6" (NOM.) CMU TYPE F8: WYTHE 8" (NOM.) CMU TYPE F12: WYTHE 12" (NOM.) CMU		54 / N/A
8" CMU				
F12	11 1/8"			7 / N/A
12" CMU				
G1	1 1/2"	5/8" GYPSUM BOARD 7/8" FURRING HAT CHANNEL EXISTING WALL		N/A / N/A
H2	3 1/8"	1 LAYER OF 5/8" GYPSUM BOARD	U469 - 1HR	37 / 40
H4	5 5/8"	2 1/2" or 4" CH STUDS AT 24" O.C. 1" SHAFT LINER		
J4	9 1/2"	1 LAYER OF 5/8" GYPSUM BOARD 3 5/8" METAL STUDS AT 16" O.C. 1" AIR SPACE 3 5/8" METAL STUDS AT 16" O.C. 1 LAYER OF 5/8" GYPSUM BOARD		
K4	11 3/4"	2 LAYER OF 5/8" GYPSUM BOARD 3 5/8" METAL STUDS AT 16" O.C. 2" AIR SPACE 3 5/8" METAL STUDS AT 16" O.C. 2 LAYER OF 5/8" GYPSUM BOARD	U483 - 1HR	N/A / 67
K6	1' - 4 1/2"	2 LAYER OF 5/8" GYPSUM BOARD 6" METAL STUDS AT 16" O.C. 2" AIR SPACE 6" METAL STUDS AT 16" O.C. 2 LAYER OF 5/8" GYPSUM BOARD		N/A / 67
S4	1'-0 1/8"	HEAVY WEIGHT DENSE 8" CMU 1" AIR SPACE		60 / 65
3 5/8" STUDS		1 LAYER OF 5/8" GYPSUM BOARD		
S6	1'-2 1/2"	METAL STUDS AT 16" O.C. TO DECK 2 LAYERS OF 5/8" GYPSUM BOARD TO DECK		60 / 65
6" STUDS				
S8	1'-4 1/2"	HEAVY WEIGHT DENSE 8" CMU 1" AIR SPACE 1 LAYER OF 5/8" GYPSUM BOARD METAL STUDS AT 16" O.C. TO DECK 2 LAYERS OF 5/8" GYPSUM BOARD TO DECK		60 / 65
6" STUDS				
T6	7 1/4"	METAL STUDS AT 16" O.C. TO DECK 2 LAYERS OF 5/8" GYPSUM BOARD TO DECK		60 / 65
6" STUDS				

PARTITION HEAD DETAIL SCHEDULE

TYPE	DESCRIPTION
D1	1 HOUR RATED FIRE SAFING IN DECK FLUTE DOUBLE TRACK SYSTEM, REF. SPEC. STUD ATTACHMENT TO STRUCTURE PERPENDICULAR/ PARALLEL TO FLUTES OF METAL DECK
D2	2 HOUR RATED FIRE SAFING IN DECK FLUTE DOUBLE TRACK SYSTEM, REF. SPEC. STUD ATTACHMENT TO STRUCTURE PERPENDICULAR/ PARALLEL TO FLUTES OF METAL DECK
D2	2 HOUR RATED SHAFT WALL FIRE SAFING IN DECK FLUTE J-SHAPED RUNNER REF. SPECS STUD ATTACHMENT TO STRUCTURE PERPENDICULAR/ PARALLEL TO FLUTES OF METAL DECK
DN	DOUBLE TRACK SYSTEM, REF. SPEC. STUD ATTACHMENT TO STRUCTURE PERPENDICULAR/ PARALLEL TO FLUTES OF METAL DECK
DN	BRACE TO STRUCTURE ABOVE AS REQUIRED
CN	ACOUSTICAL BATTS WHERE SCHEDULED LAY-IN CEILING PARTITION AS SCHEDULED
DS	SMOKE RATED FIRE SAFING IN DECK FLUTE DOUBLE TRACK SYSTEM, REF. SPEC. STUD ATTACHMENT TO STRUCTURE PERPENDICULAR/ PARALLEL TO FLUTES OF METAL DECK
SD	ACOUSTICALLY SEALED FLUTES OF METAL DECK INSULATED AND SEALED 1/4" GAP ALONG PERIMETER EDGES. SEAL GAP WITH ACOUSTICAL SEALANT TOP OF PARTITION BOTTOM OF PARTITION STUD ATTACHMENT TO STRUCTURE PERPENDICULAR/ PARALLEL TO FLUTES OF METAL DECK

GENERAL PARTITION NOTES:

- PLAN DIMENSIONS ARE TO FACE OF STUD, FACE OF FURRING CHANNEL, OR FACE OF MASONRY, IN THAT ORDER.
- ADHERE TO MANUFACTURER'S INFORMATION FOR MINIMUM METAL STUD GAUGE TO BE USED FOR THE UNBRACED LENGTH OF THE WALL (MINIMUM GAUGE TO BE 23 GA. IF WELDED).
- ALL GYPSUM BOARD AT RATED WALLS SHALL BE TYPE "X".
- STUD WALLS RECEIVING CERAMIC WALL TILE SHALL BE CONSTRUCTED WITH 20 GAUGE STUDS.
- FIRE RATED PARTITION IS TO BE CONTINUOUS IN CONDITIONS WHERE ADDITIONAL WALL FURROUT OCCURS.
- SMOKE SEAL FIRE CAULKING REQUIRED AT ALL FIRE RATED PARTITIONS (1HR - 4HR) AND AT "S" PARTITION THAT ARE OTHERWISE NON - RATED PARTITIONS.
- UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS, THE MINIMUM VERTICAL REINFORCEMENT AT CONCRETE MASONRY UNIT WALL SHALL BE #4 BARS AT 32" O.C. WITH #4 BY 48" DOWELS AT 32" O.C. ALIGNED WITH GROUTED CELLS.
- WALLS WITHOUT WAINSCOT AND VINYL COVERED GYPSUM WALLS SHALL RECEIVE IMPACT RESISTANT GYPSUM BOARD TO THE HEIGHT OF 8'-0" A.F.F.

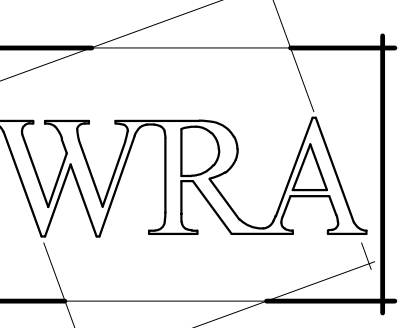
PARTITION HEAD DETAIL SCHEDULE (CONT.)

TYPE	DESCRIPTION
CN	ACOUSTICAL BATTS PER SCHED. 2" X 2" LAY-IN CEILING CMU WALL PER SCHED.
DN	METAL DECK REF. STRUCT. CMU WALL PER SCHED.
DS	METAL DECK REF. STRUCT. FIRE PROOFING IN DECK FLUTE FIRE PROOFING, FILL VOID AT 1 HR. WALL ATTACHMENT TO STRUCTURE PERPENDICULAR/ PARALLEL TO FLUTES OF METAL DECK

PARTITION SYMBOL LEGEND

Partition Type - See schedule sheet A302

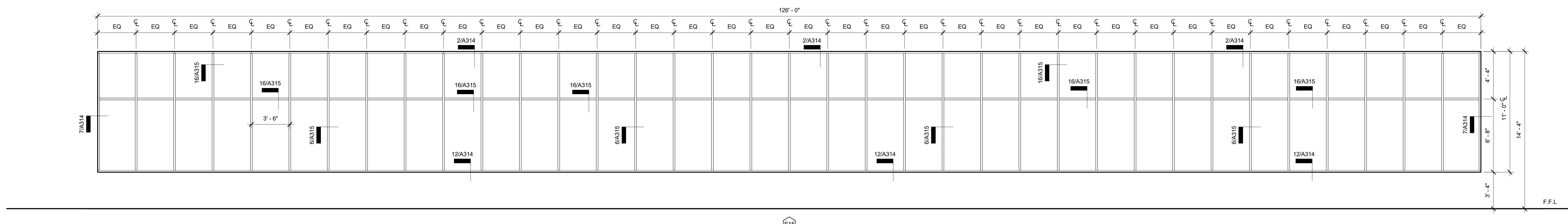
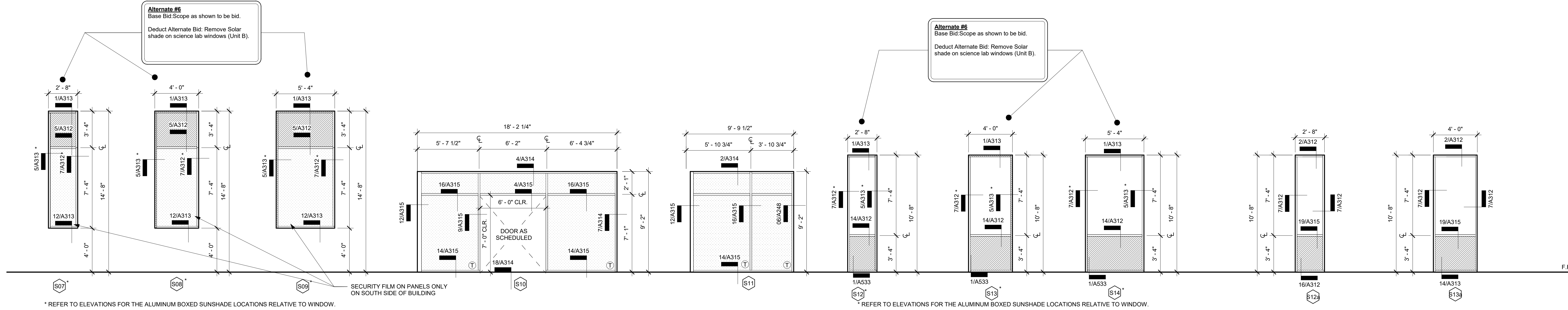
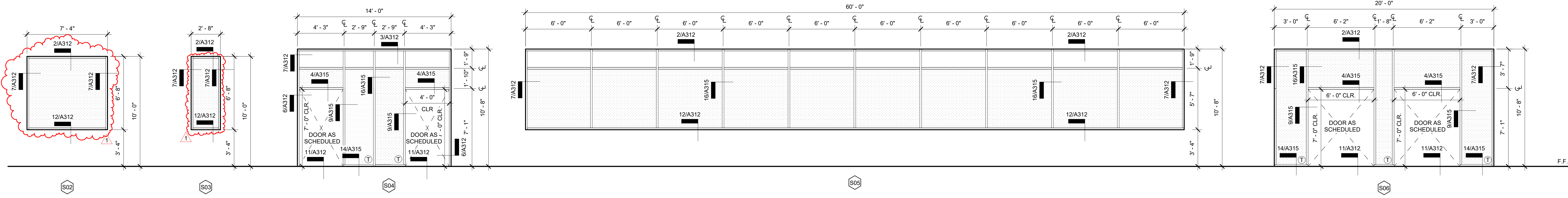
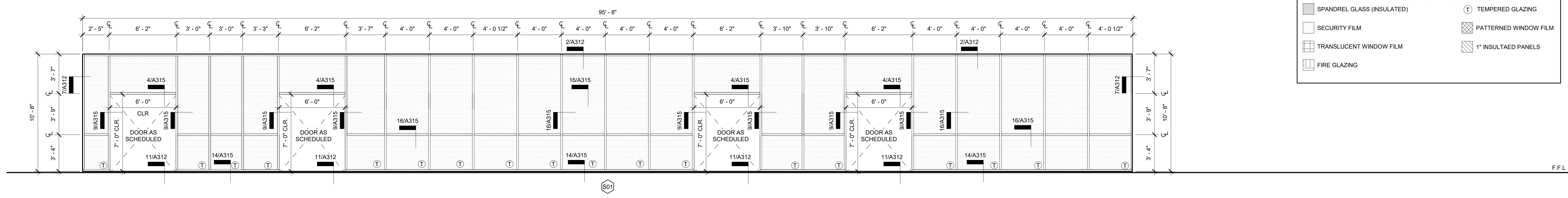
- N - Non-rated partition
- S - Construction capable of resisting the passage of smoke, run drywall on room side continuous to deck and fire seal.
 - 1 - 1 Hour partition
 - 2 - 2 Hour partition
 - 3 - 3 Hour partition
 - 4 - 4 Hour partition
- D - Extend wall to underside of structural deck
- C - Top of wall to extend to 12" above finished ceiling height
- H - Half wall, refer to floor plan for wall height.
- U - Uninsulated
- I - Insulated with 3" Sound Attenuation Batt Insulation Regardless of Cavity Size
- S - Sound partition insulated with Sound Attenuation Batt insulation same thickness as cavity size. Provide acoustical sealant bead between top of stud runner and structure and between bottom stud track and floor. Provide acoustical sealant bead around all wall penetrations. Offset back to back outlets by one stud cavity. Refer to STC Rating on Partition Schedule for required STC value.



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GLAZING GENERAL NOTES	
1.	ALL EXTERIOR GLAZING SHALL BE 1" INSULATING GLASS, TINTED AND TEMPERED.
2.	ALL INTERIOR GLAZING SHALL BE 1/4" MINIMUM POLISHED PLATE TEMPERED OR FIRE GLASS. REFER TO FRAME SCHEDULE AND DOOR SCHEDULE FOR SPECIFIC CONDITIONS. REFER TO GLAZING THICKNESS SCHEDULE IN SPECIFICATIONS FOR THICKNESS OF VARYING SIZE OF GLAZING.
3.	ALL SPANDREL GLAZING SHALL BE PROVIDED WITH 1 1/2" POLY-ISO RIGID INSULATION. FRICTION FIT ON INTERIOR SIDE OF GLAZING.
4.	KAWNEER IS THE BASIS OF DESIGN FOR ALL FRAMES.
5.	ANY FRAME TYPES TO RECEIVE STEEL REINFORCEMENT IS AS REQUIRED BY MANUFACTURER.
6.	ALL STOREFRONT IN SMOKE RATED WALLS ARE TO RECEIVE 1" INSULATED PANEL AS INDICATED. ALL EDGES TO BE SMOKE SEALED ON INSTALLATION.
	SPANDREL GLASS (INSULATED)
	SECURITY FILM
	TRANSLUCENT WINDOW FILM
	FIRE GLAZING
	TEMPERED GLAZING
	PATTERNED WINDOW FILM
	1" INSULATED PANELS



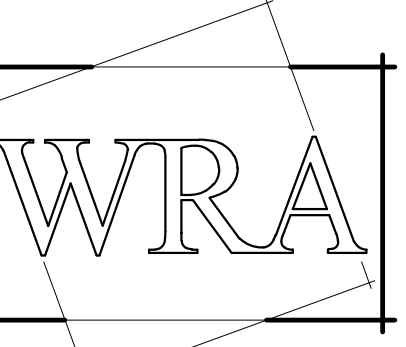
EXTERIOR ALUMINUM STOREFRONT FRAME TYPES
1/4" = 1'-0"

Castleberry ISD High School Addn.
215 CHURCHILL ROAD, FORT WORTH, TEXAS - 76114

REVISIONS:	
No. 1	Date 09/19/24
Addendum #1	

JOB NO.	2359
DATE:	09/19/2024

Frame Types
A306



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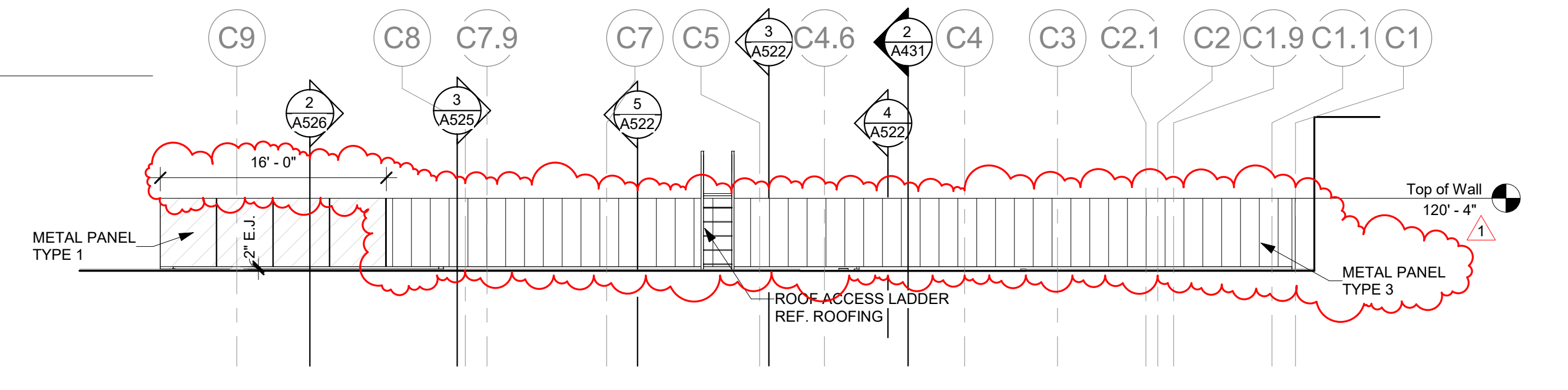
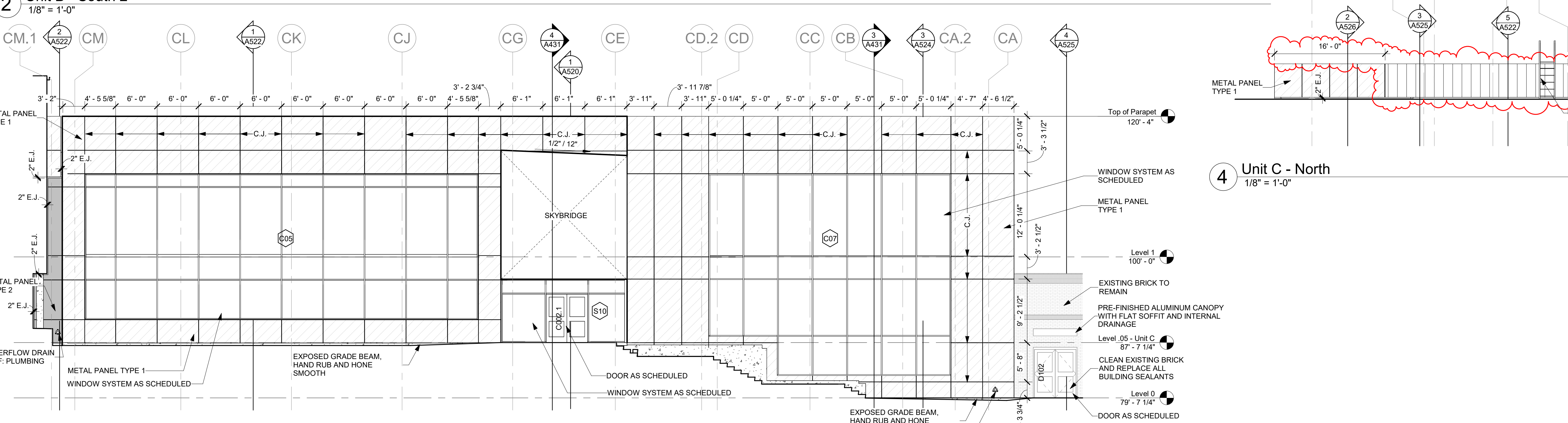
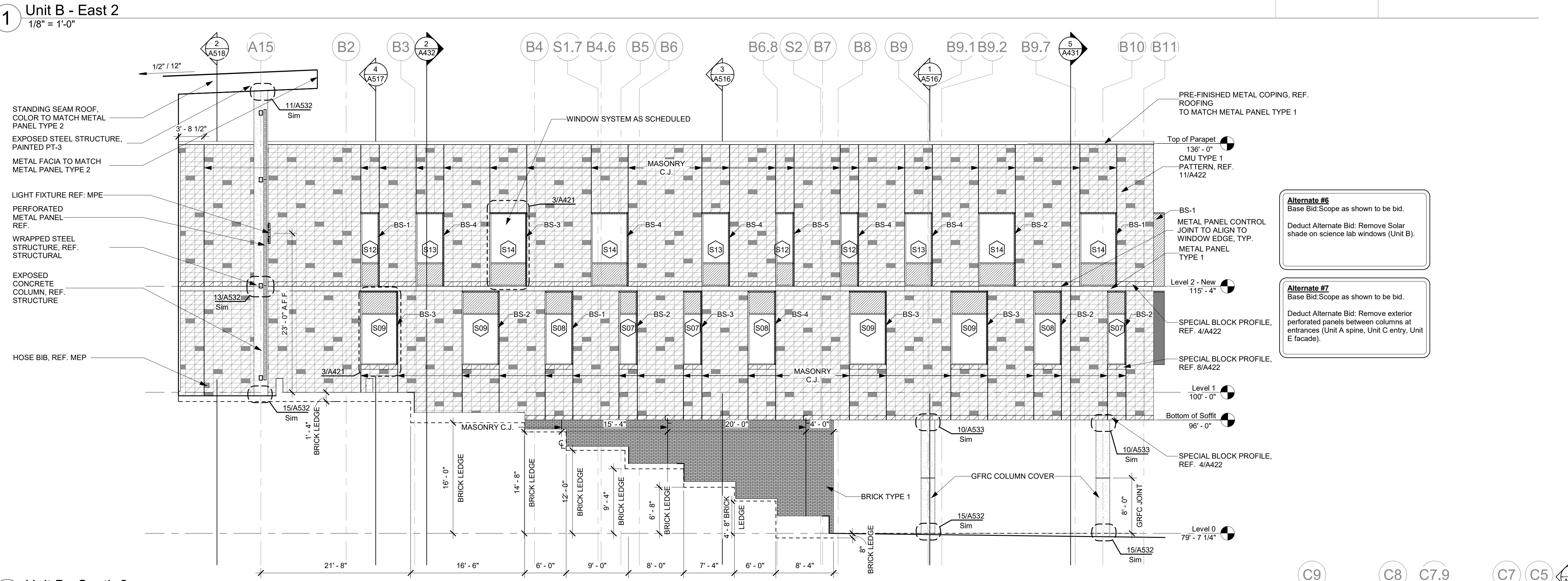
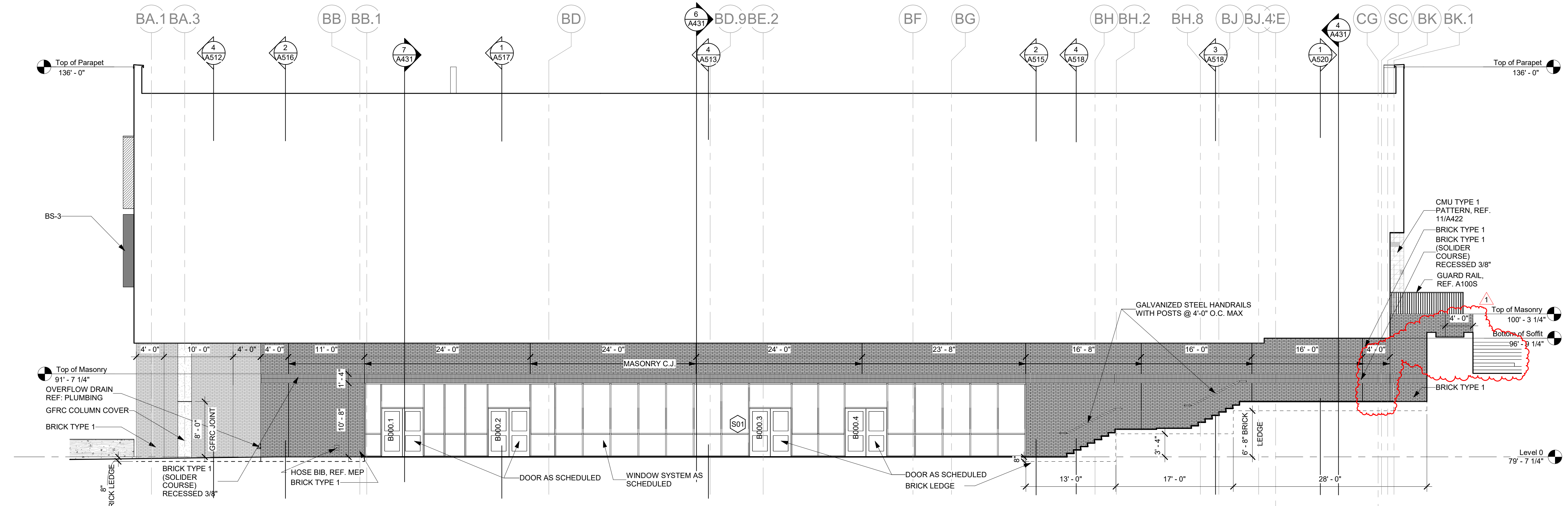
215 CHURCHILL ROAD, FORT WORTH, TEXAS - 76114

MATERIAL LEGEND	
BRICK TYPE 1 (ENDICOT - GRAPHITE SMOOTH MODULAR)	
BRICK TYPE 1 (SOLDIER RECESSED 3/8" - ENDICOT - GRAPHITE SMOOTH MODULAR)	
SPECIAL BRICK PROFILE - BRICK TYPE 1 (ENDICOT - GRAPHITE SMOOTH MODULAR)	
CMU TYPE 1 (BURNISHED - FEATHERLITE TERRAZZO)	
CMU TYPE 1 (BURNISHED - FEATHERLITE TERRAZZO) - RECESSED 3/8"	
METAL PANEL TYPE 1 (PAC-CLAD PETERSON - PAC-3000 RS. - BONE WHITE)	
METAL PANEL TYPE 2 (PAC-CLAD PETERSON - PAC-3000 RS. - SLATE GRAY)	
METAL PANEL TYPE 3 (PAC-CLAD PETERSON - HIGHLINE S1 - BONE WHITE)	
METAL PANEL TYPE 4 (PAC-CLAD PETERSON - HIGHLINE S1 - SLATE GRAY)	
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BOXED ALUMINUM SUNSHADE TYPE 2 - (BS-2) RAL # 260 80 15	BS-2
BOXED ALUMINUM SUNSHADE TYPE 3 - (BS-3) RAL # 260 70 25	BS-3
BOXED ALUMINUM SUNSHADE TYPE 4 - (BS-4) RAL # 260 50 35	BS-4
BOXED ALUMINUM SUNSHADE TYPE 5 - (BS-5) RAL # 260 30 35	BS-5
PERFORATED METAL PANEL TYPE 1 - RAL #260 85 10 - 1/2" ROUND ON 1 1/16" STAGGERED CENTERS	
MASONRY STAIN TYPE 1 (NAWKAW - COLOR CHOSEN BY ARCHITECT) MS-1	
EXISTING LARGE AGGREGATE CONCRETE WALLS AND FINIS	
EXISTING CONCRETE WALLS, COLUMNS, ROOFS, AND SOFFITS	

- NOTE:
- 1) ALL BUILDING E.J. TO BE 1" UNLESS OTHERWISE NOTED
 - 2) EXPANSION JOINT IN MASONRY VENEER TO BE 3/8" TYPICAL UNLESS OTHERWISE NOTED
 - 3) 1/2" EXPANSION JOINT FILLER ON BOTH ENDS OF ALL STEEL LINTEL ANGLES
 - 4) ALL EXPOSED STRUCTURAL STEEL TO RECEIVE HIGH PERFORMANCE COATING. RE: FINISH SCHEDULE
 - 5) ALL EXTERIOR HOLLOW METAL DOORS & FRAMES SHALL BE PAINTED. RE: FINISH SCHEDULE
 - 6) ALL EXTERIOR OVERHEAD SECTIONAL DOORS SHALL BE FACTORY POWDER COATED.
 - 7) ALL PIER & GRADE BEAM INFORMATION SHOWN ON ELEVATIONS ARE DIAGRAMATIC. REF. STRUCTURAL
 - 8) HAND RUB AND HONE SMOOTH SURFACE OF EXPOSED GRADE BEAM IMMEDIATELY AFTER REMOVING FORMS AND FILL ALL HONEYCOMBS AND VOIDS.
 - 9) RUBBED CONCRETE HATCH
 - 10) GFRG WRAP JOINTS TO BE CONCEALED WITH FILLER WHICH MATCHES GFRG MATERIAL
 - 11) ALIGN ALL MASONRY CONTROL JOINTS TO WINDOWS. REF. ELEVATIONS FOR LOCATIONS

- WALL PENETRATION NOTES
1. THE BASIS OF DESIGN FOR WALL PENETRATIONS TO BE INSTALLED, FLASHED, AND WATER TESTED, INCLUDING DOORS, AND WINDOWS, PRIOR TO INSTALLATION OF WALL VENEERS.
 2. ALUMINUM BACKER PLATE TO BE AT EVERY WINDOW; PROVIDE ALUMINUM CAPS AT TOPS OF ALL VERTICAL MULLIONS.

- FLASHING COORDINATION NOTES
1. COORDINATE FLASHING APPLICATIONS & LOCATIONS WITH ARCHITECTURAL ELEMENTS LOCATED AND IDENTIFIED IN ARCHITECTURAL DETAILS.
 2. REFER TO SERIES A300s SHEETS FOR FURTHER INFORMATION.
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 6. PROVIDE CONTINUOUS VERTICAL FLEXIBLE FLASHING AT ALL INSIDE/OUTSIDE BUILDING SUBSTRATE CORNERS, CHANGES IN VENEER MATERIALS AND ALL WALL EXPANSION JOINTS AS SHOWN ON DRAWINGS.



Alternate #6
Base Bid Scope as shown to be bid.
Deduct Alternate Bid: Remove Solar shade on science lab windows (Unit B).

Alternate #7
Base Bid Scope as shown to be bid.
Deduct Alternate Bid: Remove exterior perforated panels between columns at entrances (Unit A spine, Unit C entry, Unit E facade).

9/19/2024 2:25:09 PM

REVISIONS:	
No.	Date
1	Addendum #1 09/19/2024
JOB NO. 2399	
DATE: 09/19/2024	
Exterior Elevations	
A405	
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WALL PENETRATION NOTES

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FLASHING COORDINATION NOTES

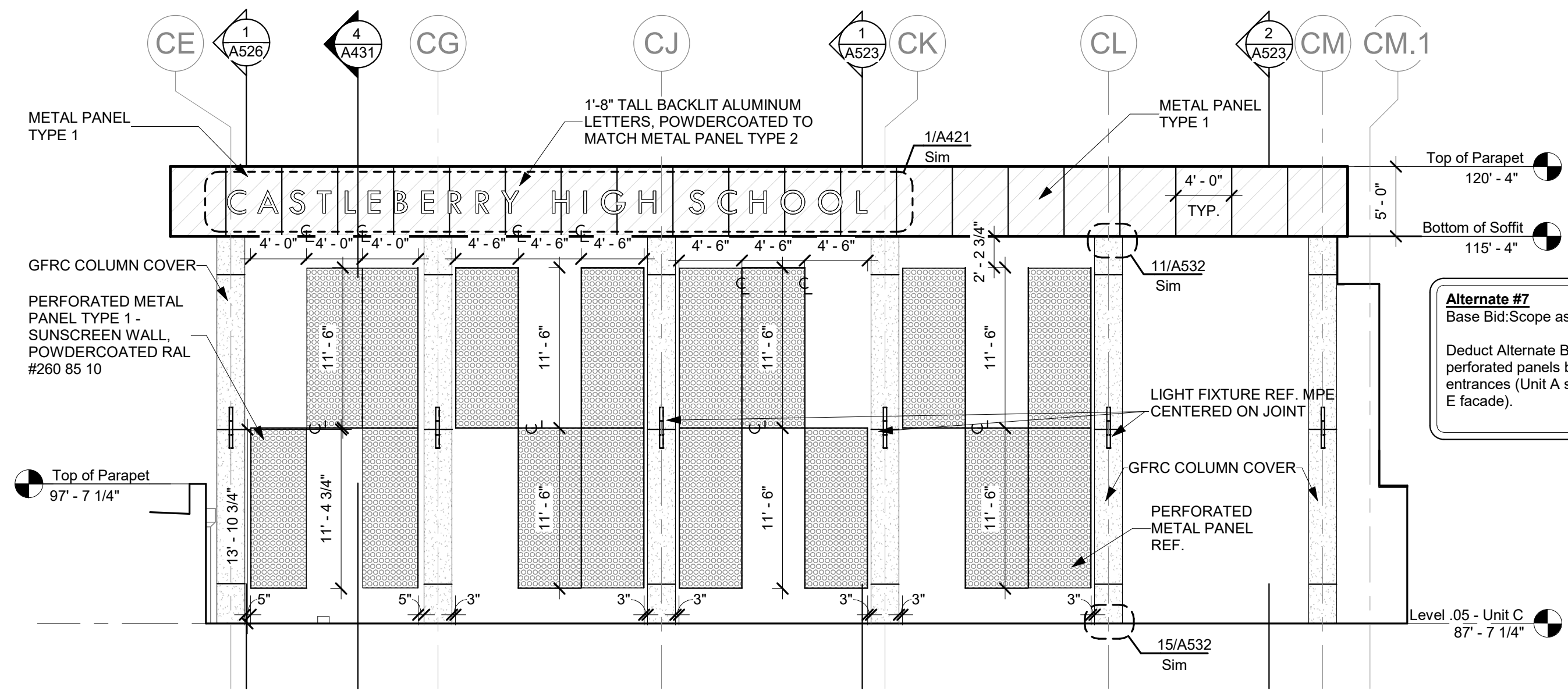
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MATERIAL LEGEND

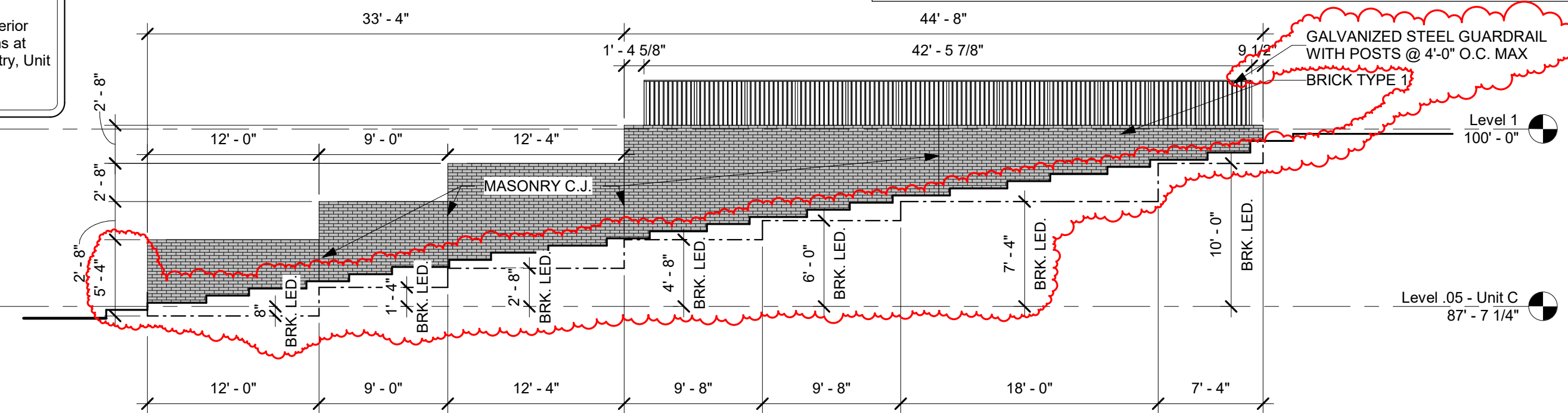
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EXISTING CONCRETE WALLS, COLUMNS, ROOFS, AND SOFFITS	

NOTE:

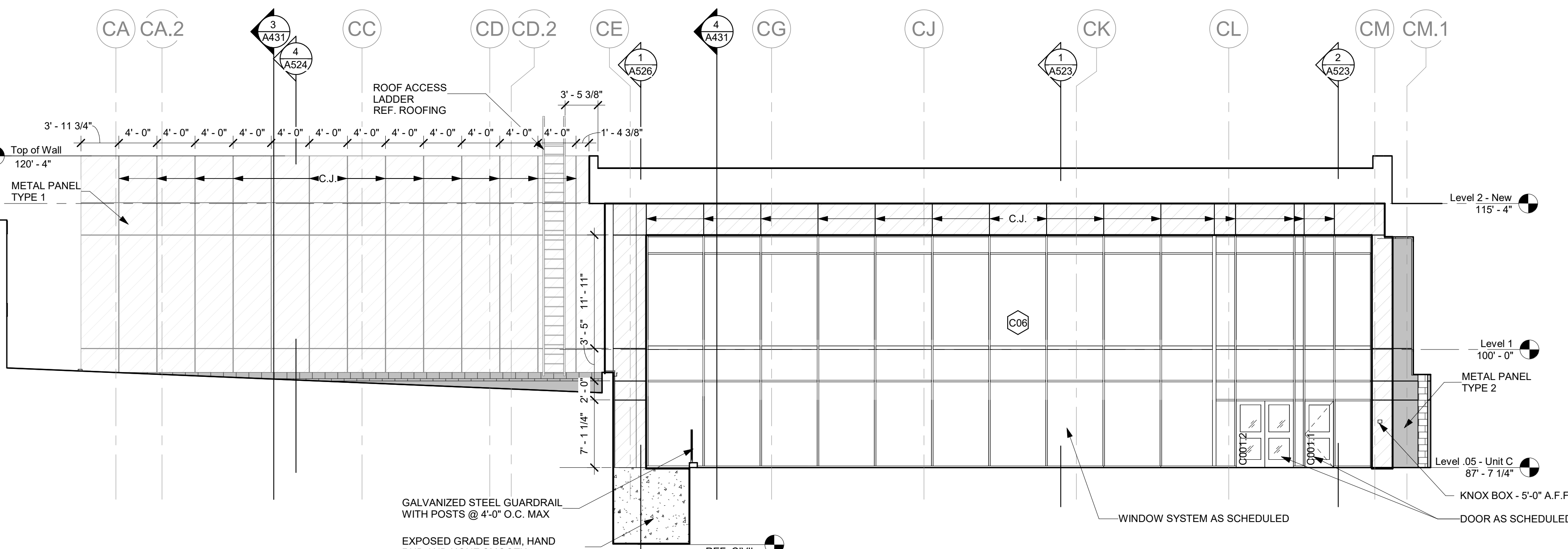
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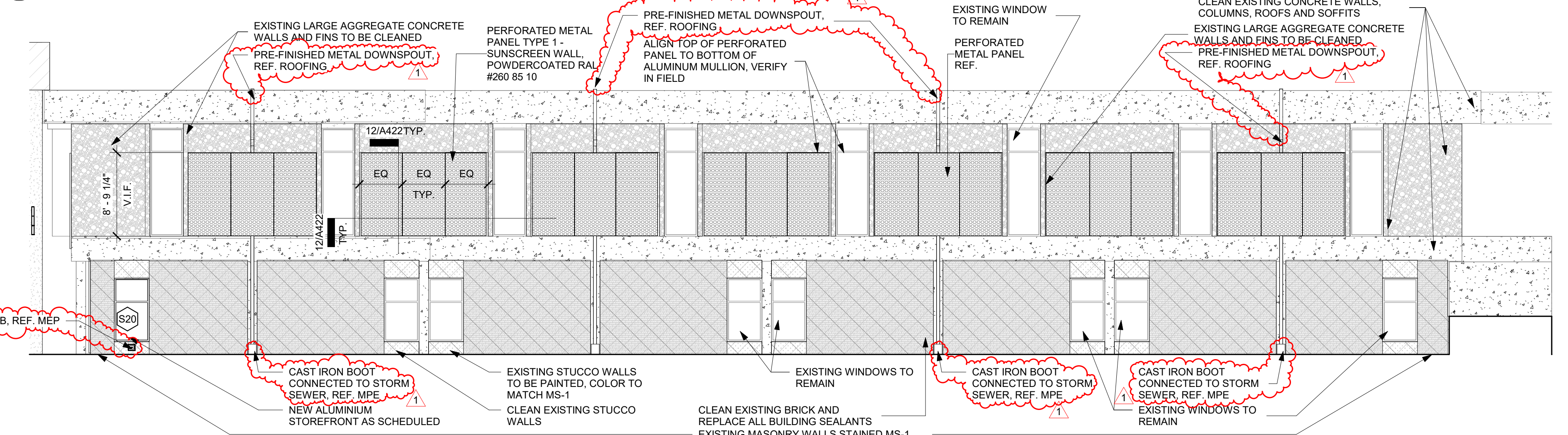
1 Unit C - East 1
1/8" = 1'-0"



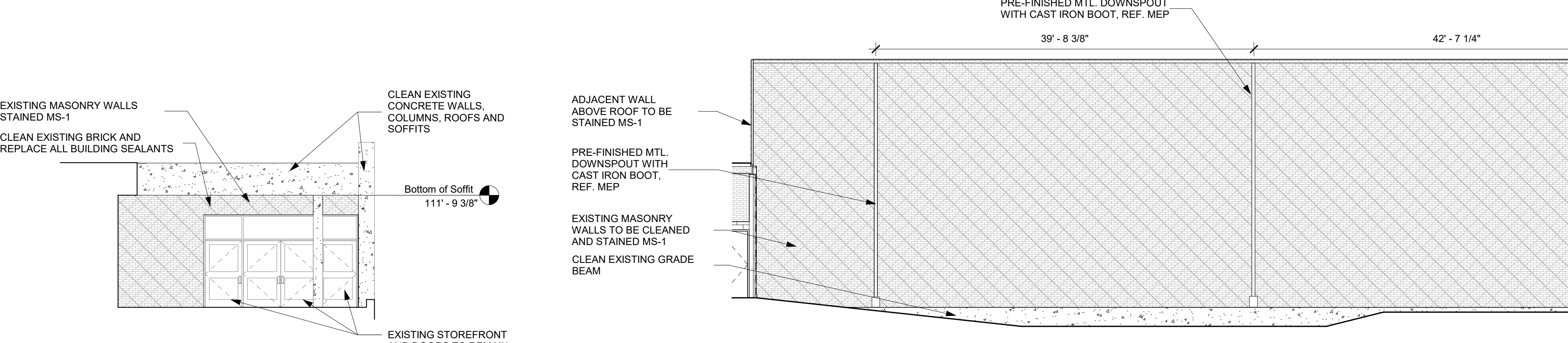
9 Unit B / C - North Retaining Wall
1/8" = 1'-0"



2 Unit C - East 2
1/8" = 1'-0"



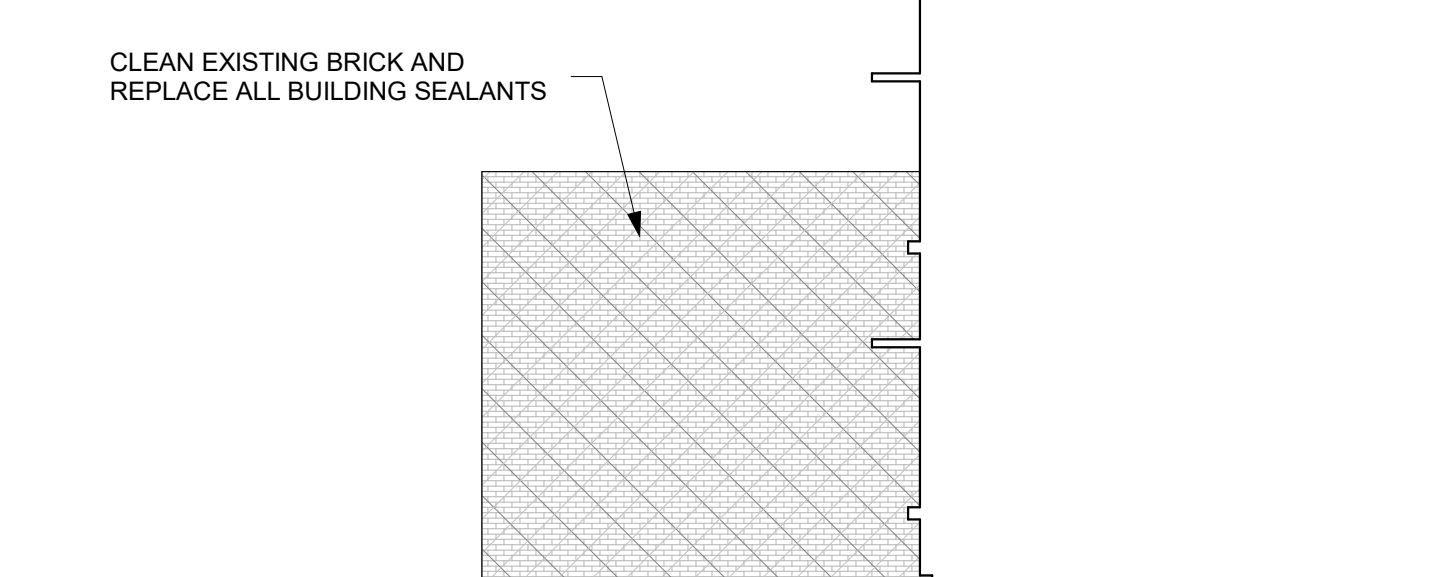
4 Unit E - East
1/8" = 1'-0"



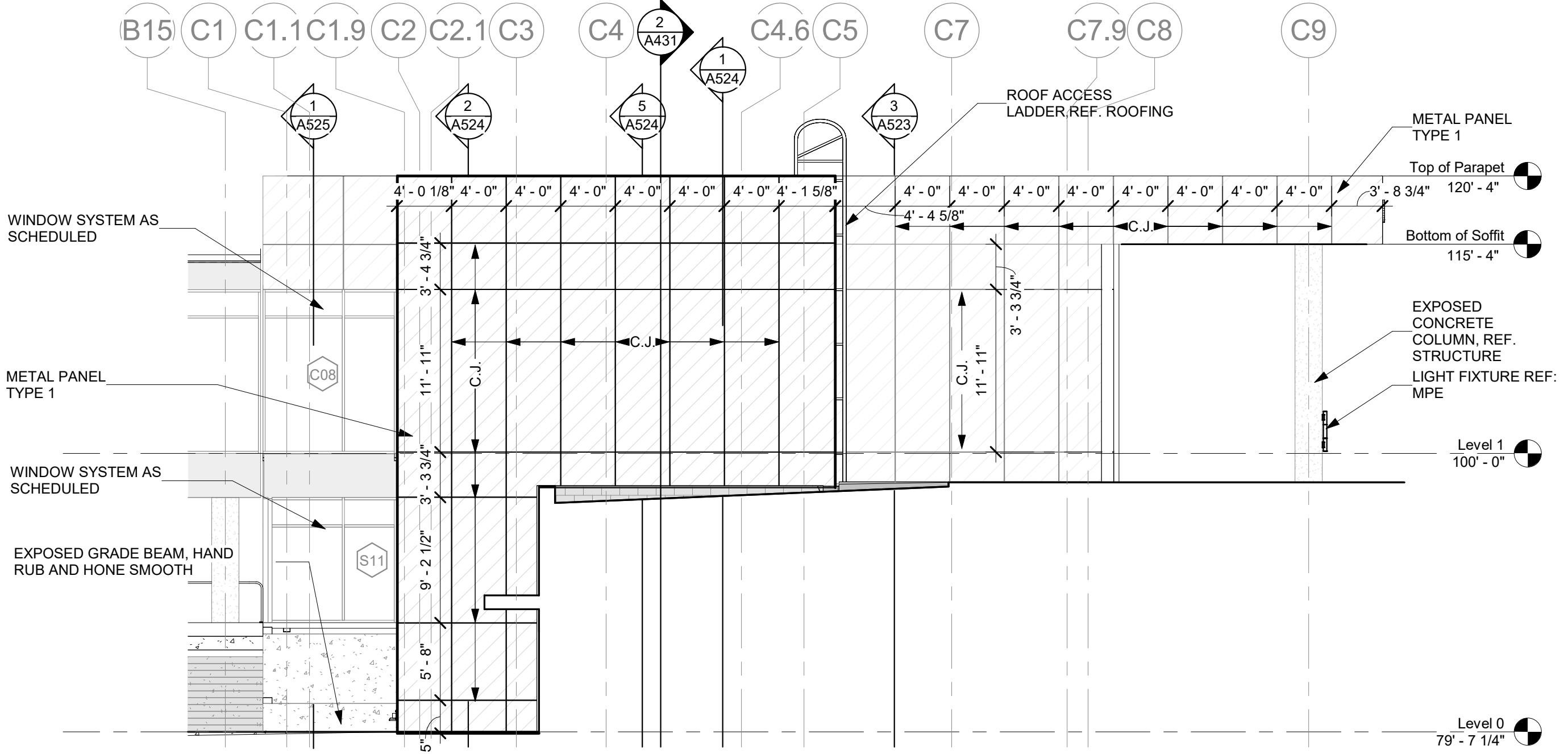
5 Unit E - East Entrance
1/8" = 1'-0"



6 Unit E - West
1/8" = 1'-0"

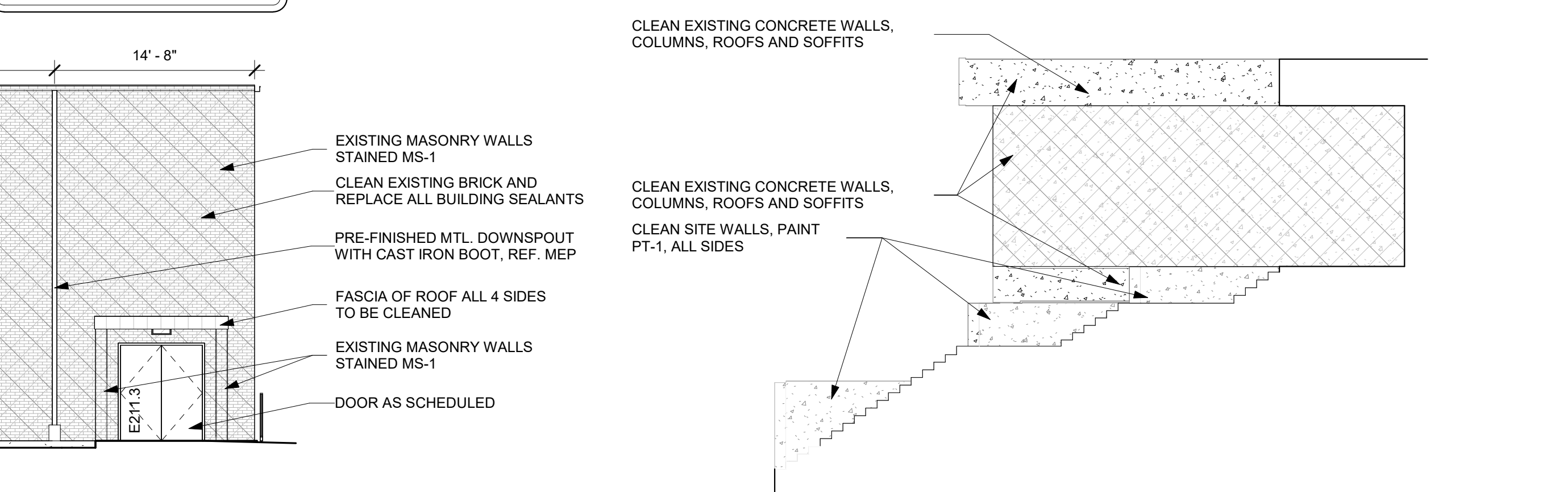


7 Unit E - South 2
1/8" = 1'-0"

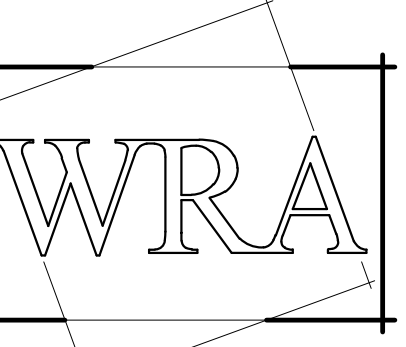


3 Unit C - South 1
1/8" = 1'-0"

Alternate #7
Base Bid Scope as shown to be bid.
Deduct Alternate Bid: Remove exterior perforated panels between columns at entrances (Unit A spine, Unit C entry, Unit E facade).



8 Unit E - South 1
1/8" = 1'-0"



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REVISIONS:	
No.	Date
1 Addendum #1	09/19/24

JOB NO.	2399
DATE:	09/19/2024

Exterior Elevations

A407

MATERIAL LEGEND

BRICK TYPE 1 (ENDICOT - GRAPHITE SMOOTH MODULAR)	
BRICK TYPE 1 (SOLDER RECESSED 3/8" - ENDICOT - GRAPHITE SMOOTH MODULAR)	
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EXISTING LARGE AGGREGATE CONCRETE WALLS AND SOFFITS	
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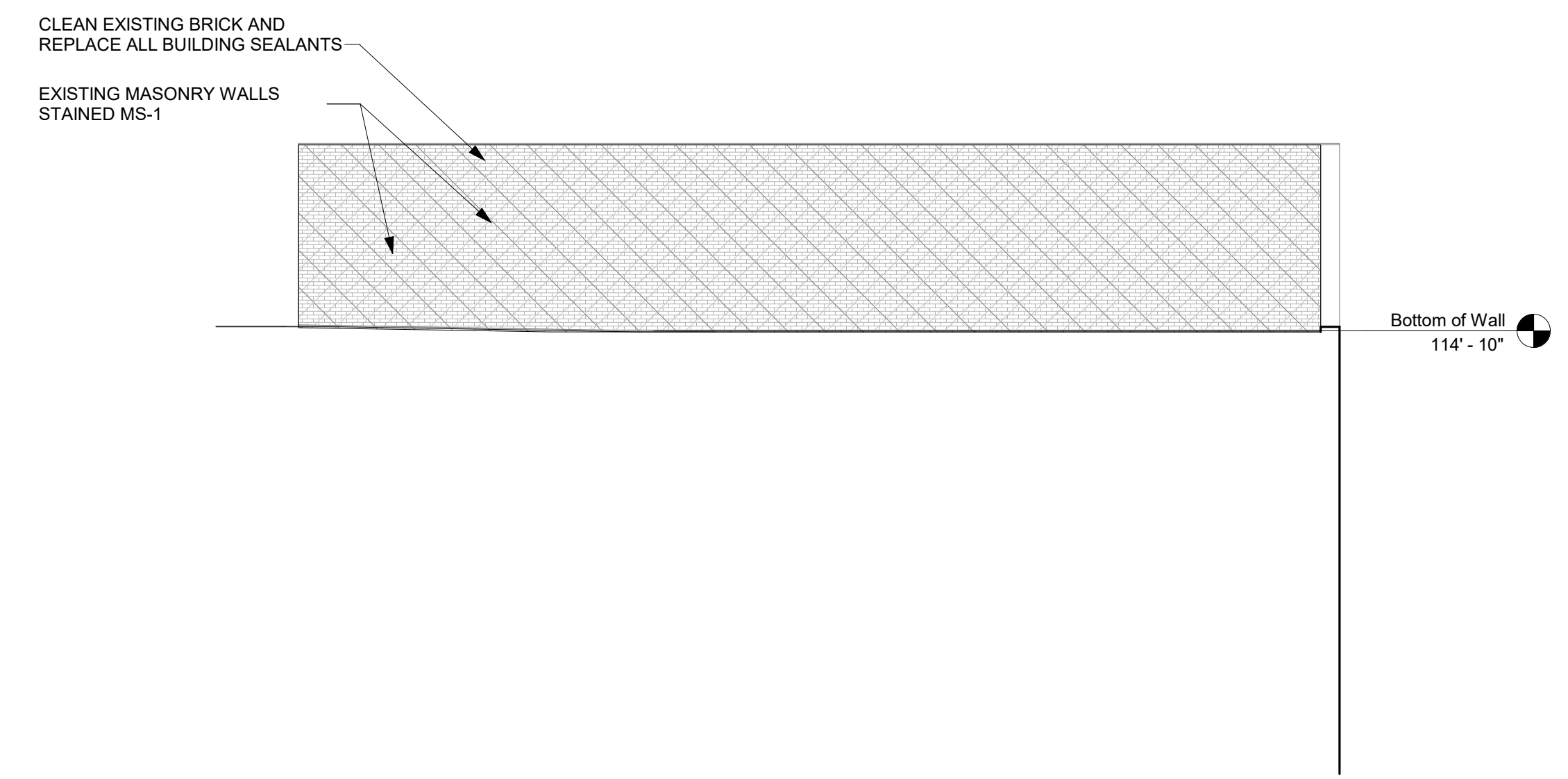
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WALL PENETRATION NOTES

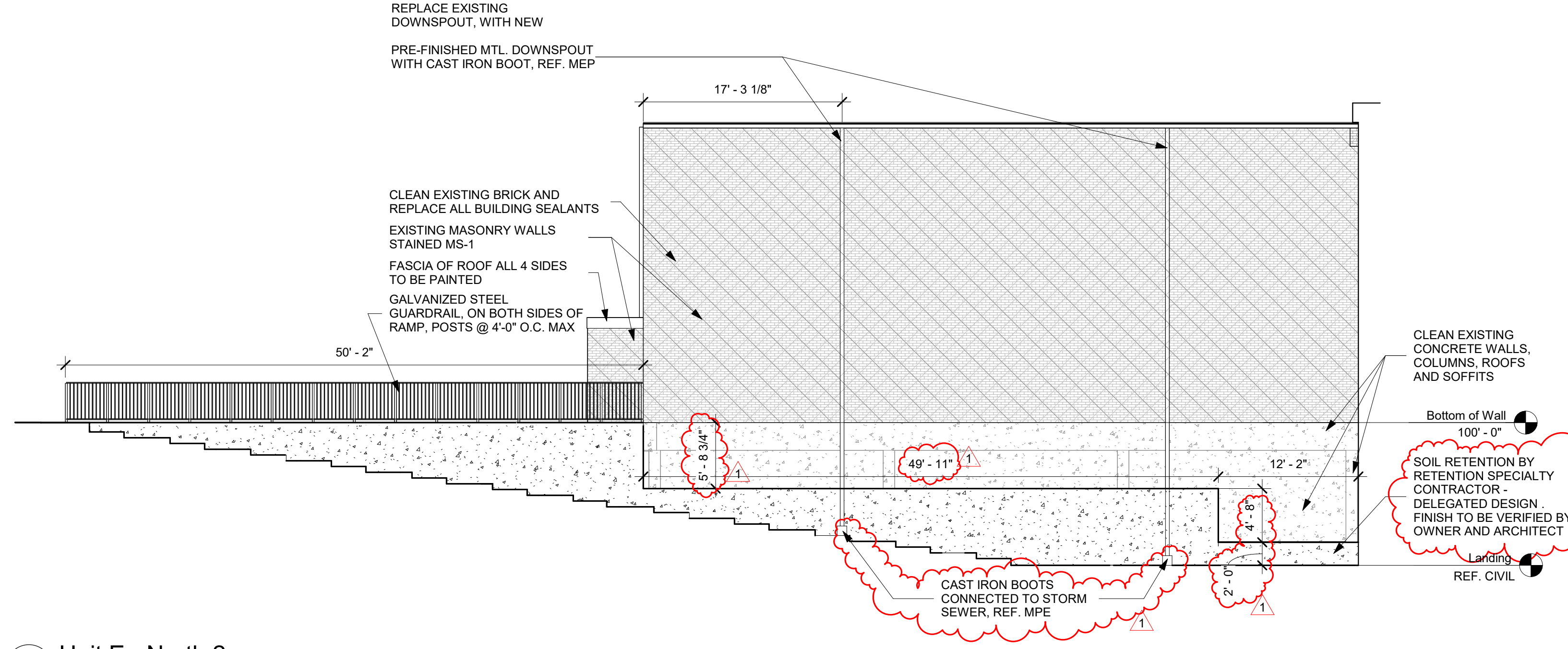
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FLASHING COORDINATION NOTES

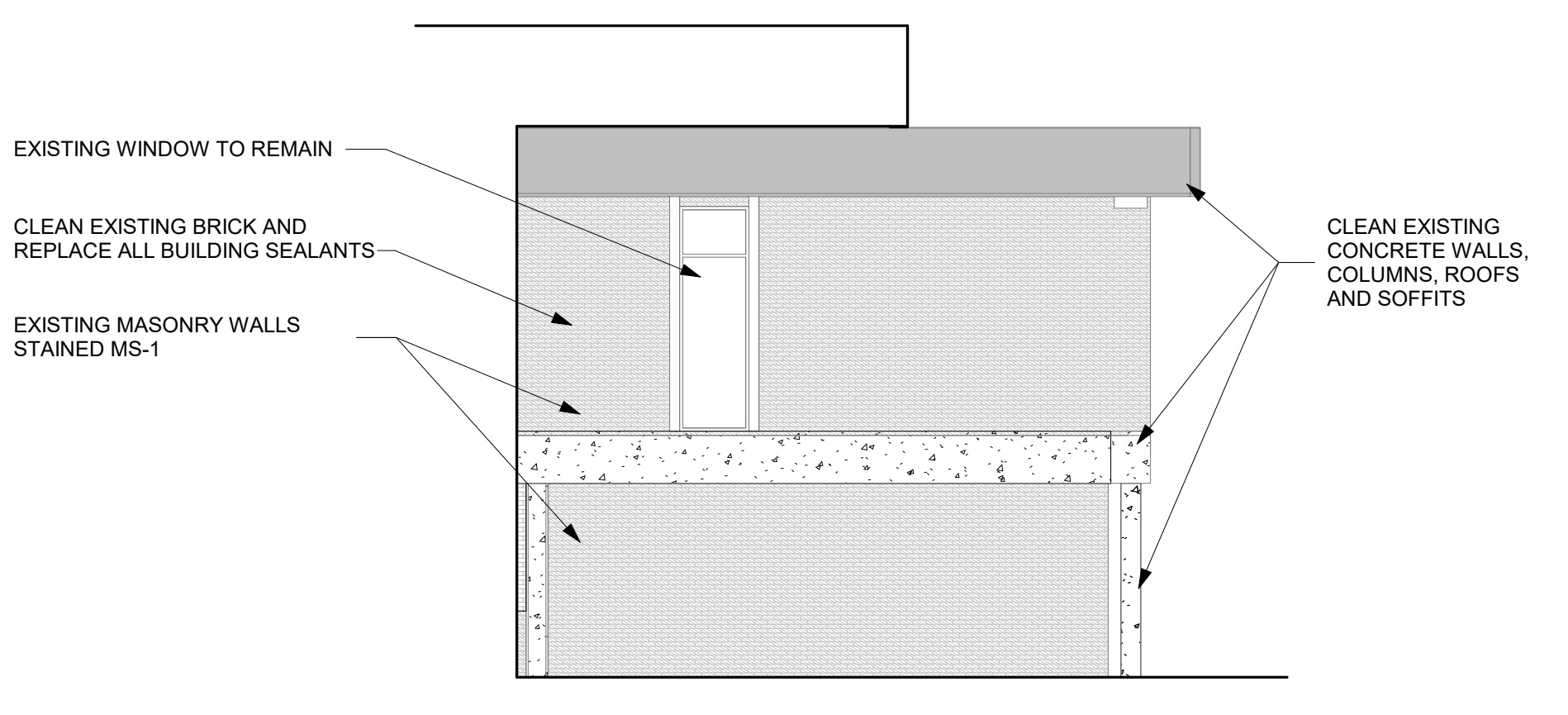
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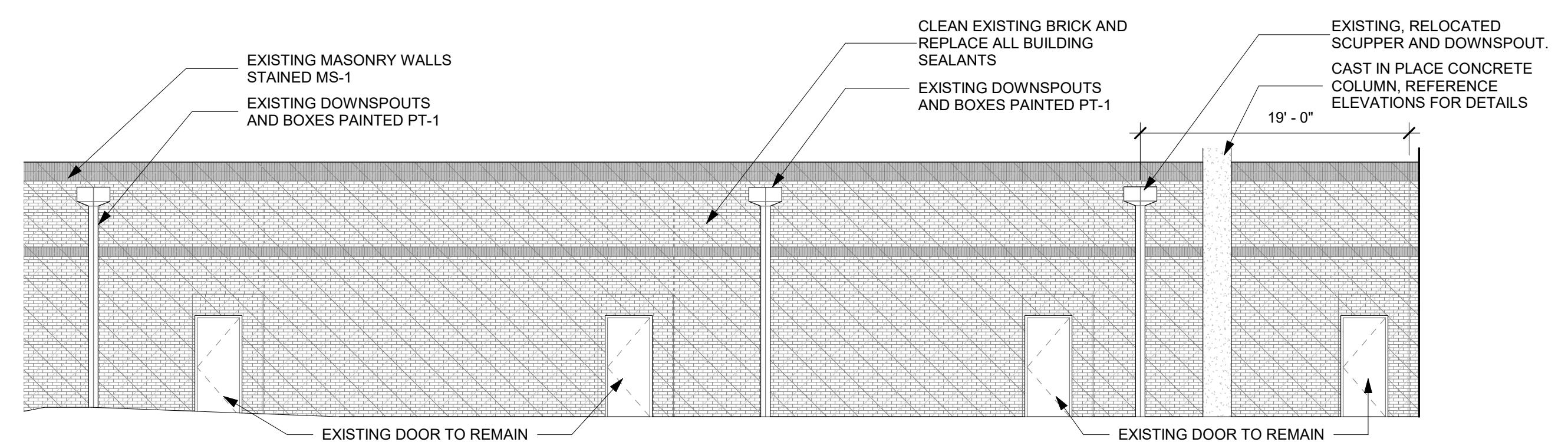
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1/8" = 1'-0"



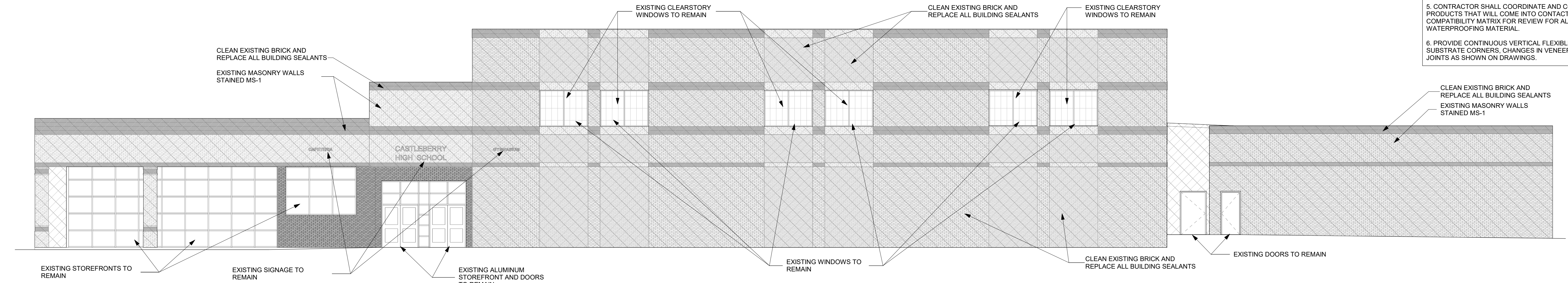
2 Unit E - North 2
1/8" = 1'-0"



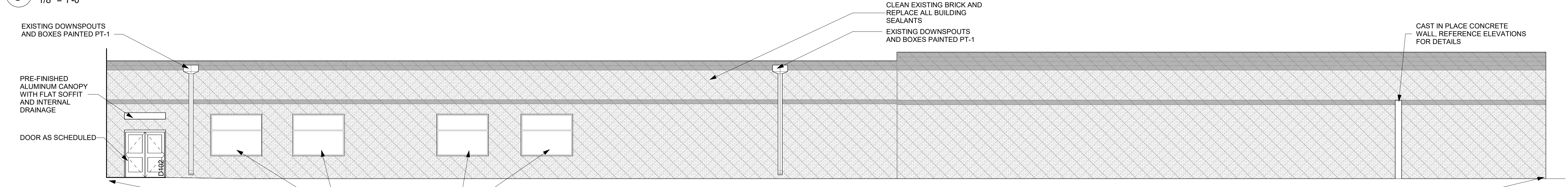
3 Unit E - North
1/8" = 1'-0"



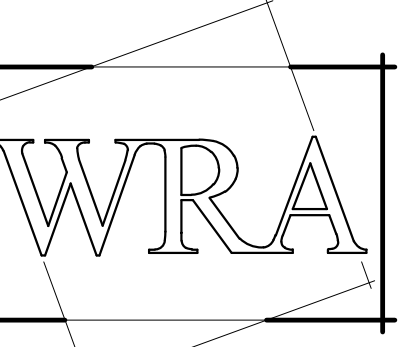
4 Unit D - South
1/8" = 1'-0"



5 Unit D - East
1/8" = 1'-0"



6 Unit D - West
1/8" = 1'-0"



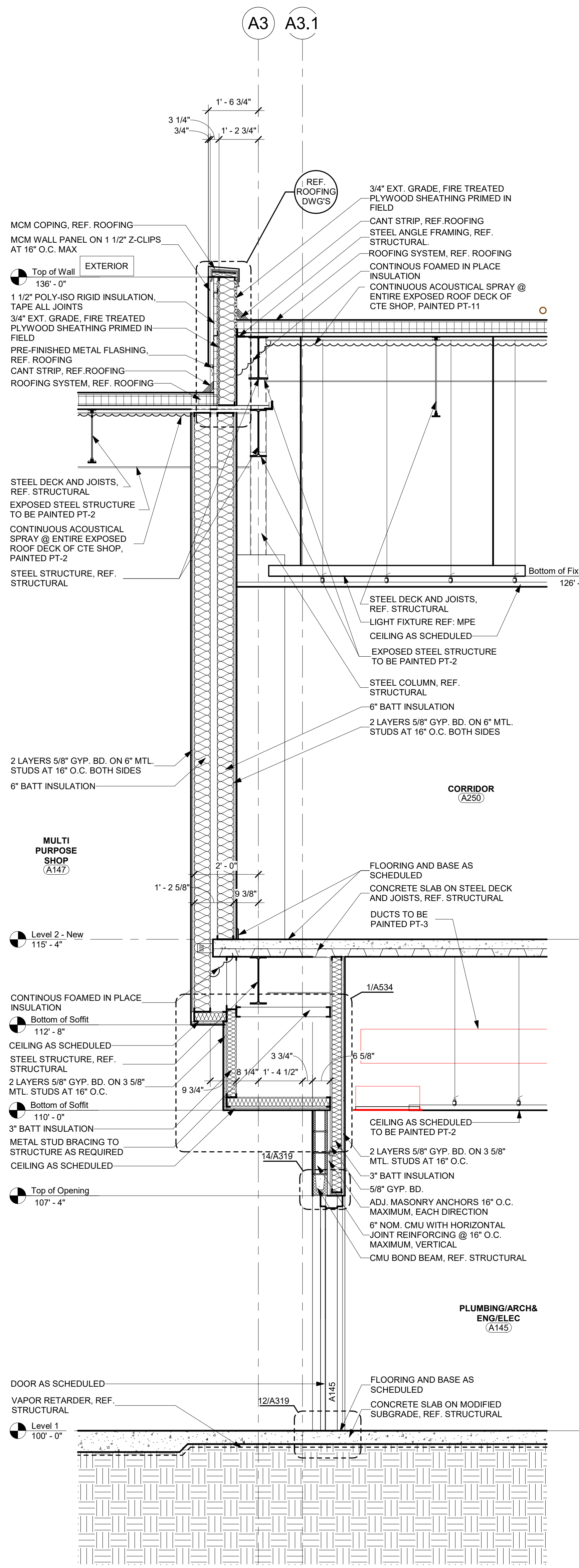
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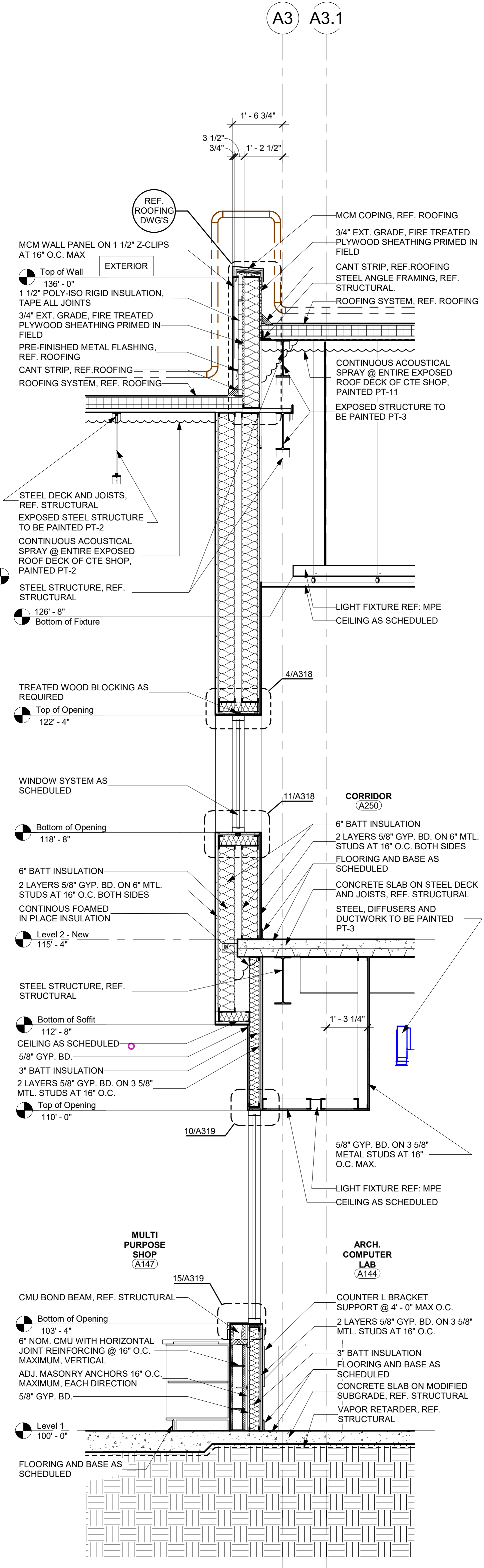
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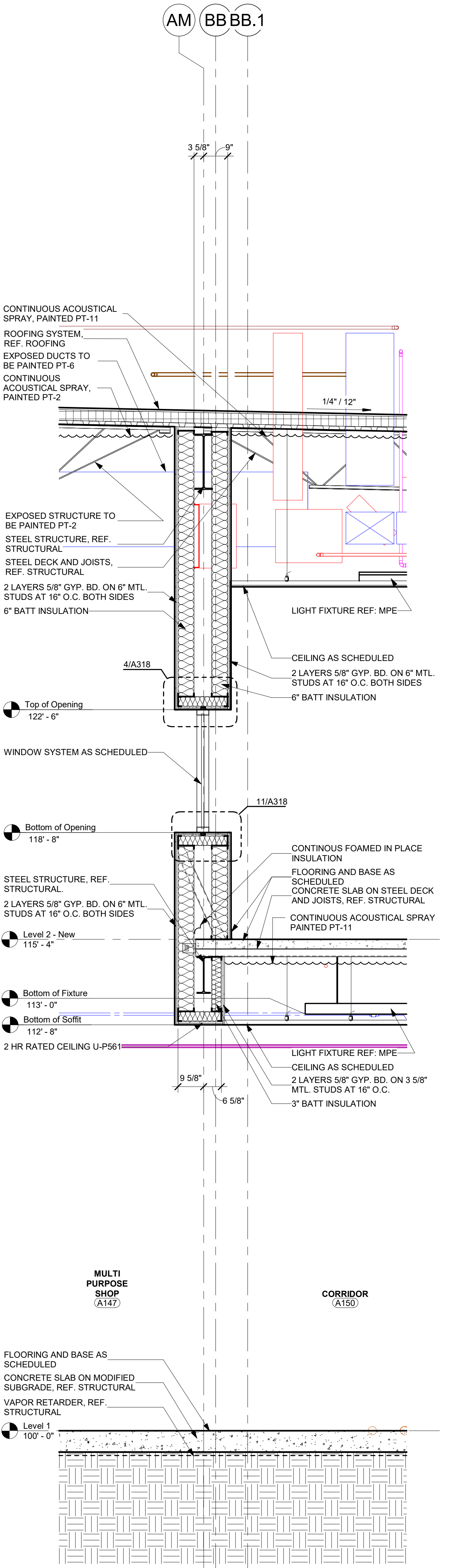
- ### WALL SECTION NOTES
- ALL STRUCTURAL MEMBERS SHOWN ON ARCHITECTURAL DRAWINGS ("A" SERIES) ARE FOR REFERENCE ONLY. REFER TO STRUCTURAL DRAWINGS FOR ACTUAL SIZE & LOCATIONS OF STEEL DECK, JOISTS, ANGLES, BOND BEAMS, ETC.
 - THRU-WALL FLASHING @ BRICK LEDGE SHALL BE LOCATED AT BOTTOM OF BRICK LEDGE AT ALL CONDITIONS. WEEP HOLES SHALL BE @ 16" O.C.
 - AT EXTERIOR MTL. STUDS BACKUP WALL, INFILL SPACES BETWEEN STL. JOISTS W/ BATT INSULATION. PROVIDE CONT. SEALANT AT ALL GAPS TO MAINTAIN SEPARATION BETWEEN INTERIOR & EXTERIOR.
 - FILL VOID AT ALL JOIST SEATS W/ BATT INSULATION.
 - INSTALL BACKER ROD AND SEALANT @ ALL EXPANSION JOINTS IN CONC. FLOOR SLAB.
 - ALL ROOF RELATED WOOD BLOCKING & PLYWD. SHALL BE TREATED. RE. ROOF DWGS. ("R" SERIES) FOR BLOCKING LAYOUT AT ROOF EDGES & E.J.
 - REFER TO A400 SERIES DRAWINGS FOR BRICK TYPE, PATTERN, COLOR, AND COURSING.
 - REFER TO SPEC. & SHEET A521 FOR E.J. COVER AND BRICK E.J. DETAILS.
 - REFER TO STRUCTURAL DWGS. FOR VERT. REINFORCING IN CMU WALL. REFER TO ARCHITECTURAL SPECIFICATION FOR HORIZONTAL REINFORCING IN CMU WALL.
 - INSTALL MORTAR NET PER SPEC ABOVE THRU WALL FLASHING AT ALL STEEL LITEL LOCATIONS AND AT ALL BRICK LEDGE LOCATIONS PER DETAIL ON A521.
 - APPLY WATER REPELLENT COATING TO MASONRY SURFACES FOLLOWING FINAL CLEANING PER SPEC.



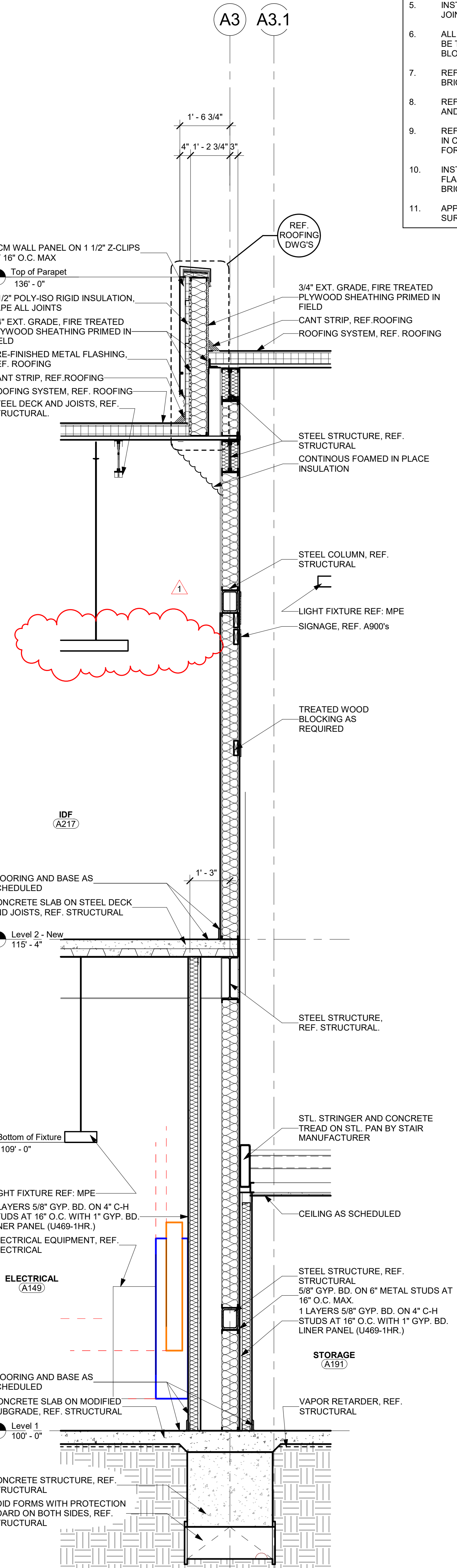
1 Wall Section - Unit A - Plumbing/Arch & Eng/Elec A145 - North
1/2" = 1'-0"



2 Wall Section - Unit A - Arch. Computer Lab A144 - North
1/2" = 1'-0"



3 Wall Section - Unit A - Multi Purpose Shop A147 - East
1/2" = 1'-0"

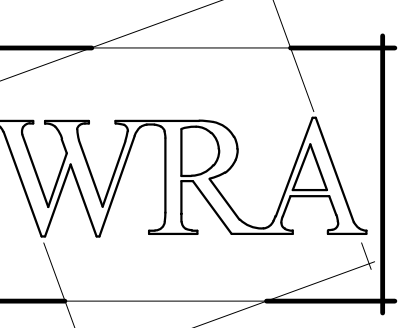


4 Wall Section - Unit A - Electrical A149 - North
1/2" = 1'-0"

REVISIONS:		No.	Date
1	Addendum #1		09/19/2024

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DATE:	09/19/2024
Wall Sections - Unit A	

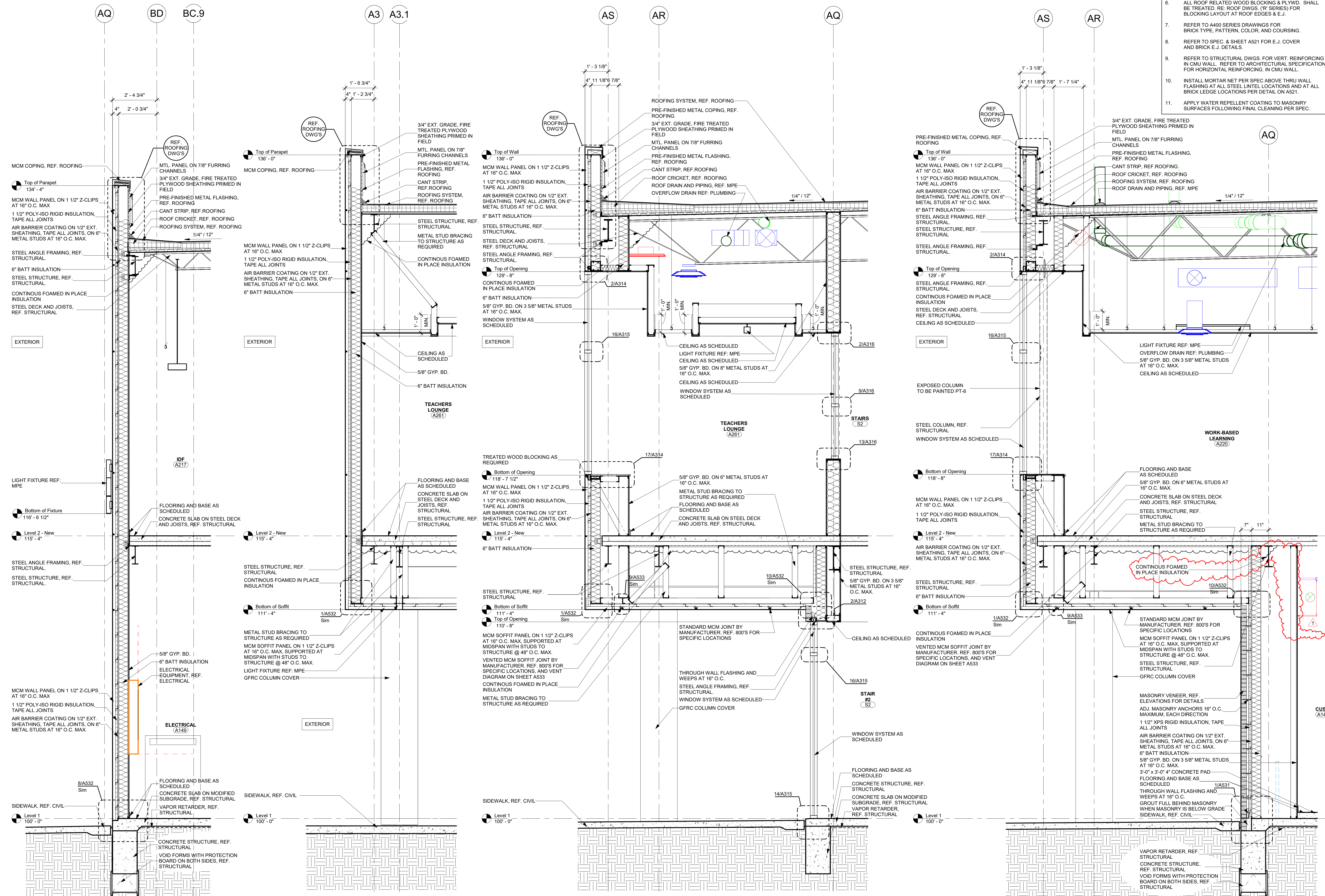
A505



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- ### WALL SECTION NOTES
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 - REFER TO STRUCTURAL DWGS. FOR VERT. REINFORCING IN CMU WALL. REFER TO ARCHITECTURAL SPECIFICATION FOR HORIZONTAL REINFORCING IN CMU WALL.
 - INSTALL MORTAR NET PER SPEC ABOVE THRU WALL FLASHING AT ALL STEEL LITEL LOCATIONS AND AT ALL BRICK LEDGE LOCATIONS PER DETAIL ON A521.
 - APPLY WATER REPELLENT COATING TO MASONRY SURFACES FOLLOWING FINAL CLEANING PER SPEC.



1 Wall Section - Unit A - Electrical A149 - East 1/2" = 1'-0"
 2 Wall Section - Unit A - @ Teachers Lounge - North 1/2" = 1'-0"
 3 Wall Section - Unit A - Stair#2 S2 - East 1/2" = 1'-0"
 4 Wall Section - Unit A - Cust. A140 - East 1/2" = 1'-0"

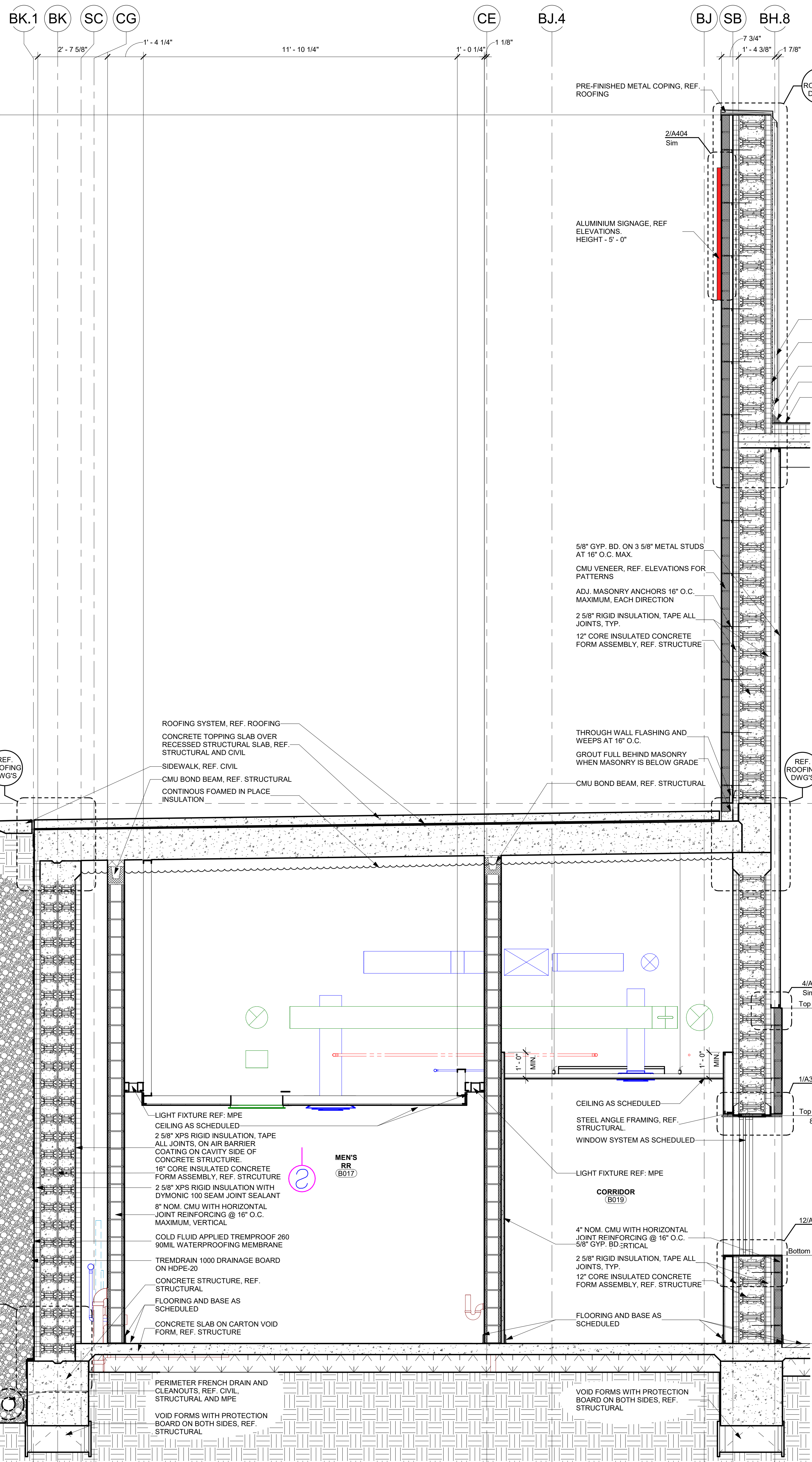
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1	Addendum #1		09/19/2024

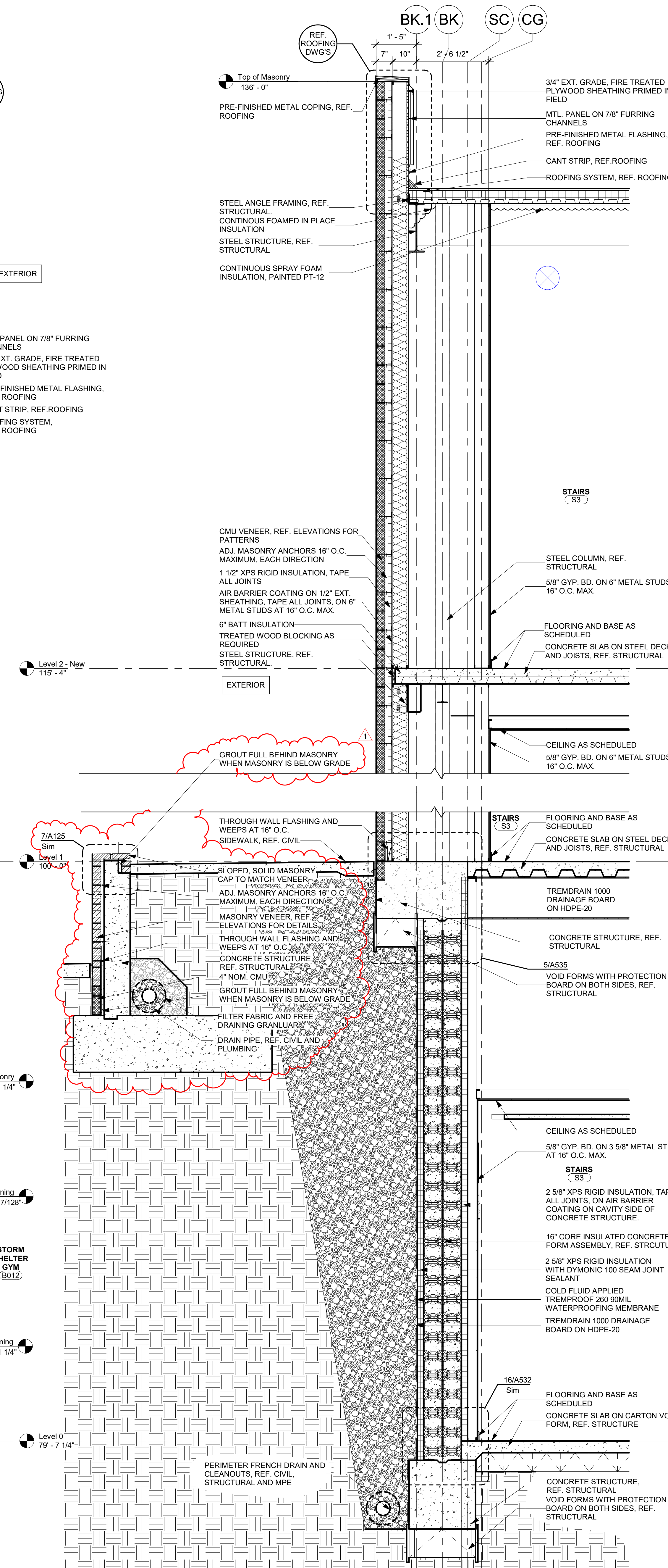
JOB NO.	2399
DATE:	09/19/2024
Wall Sections - Unit A	
A506	

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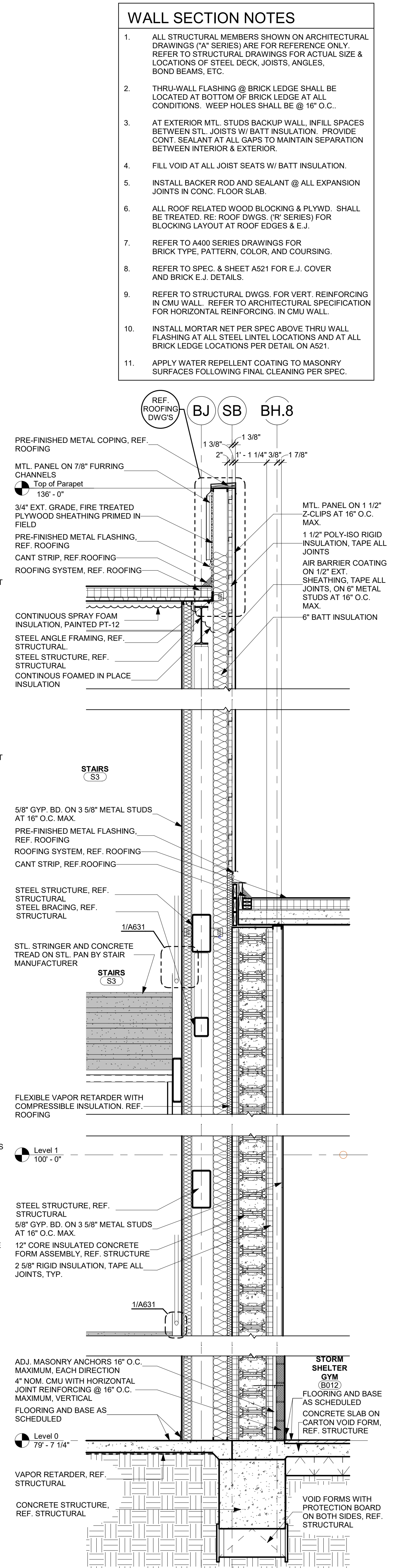
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1 Wall Section - Unit B - Men's RR B017 - East
1/2" = 1'-0"

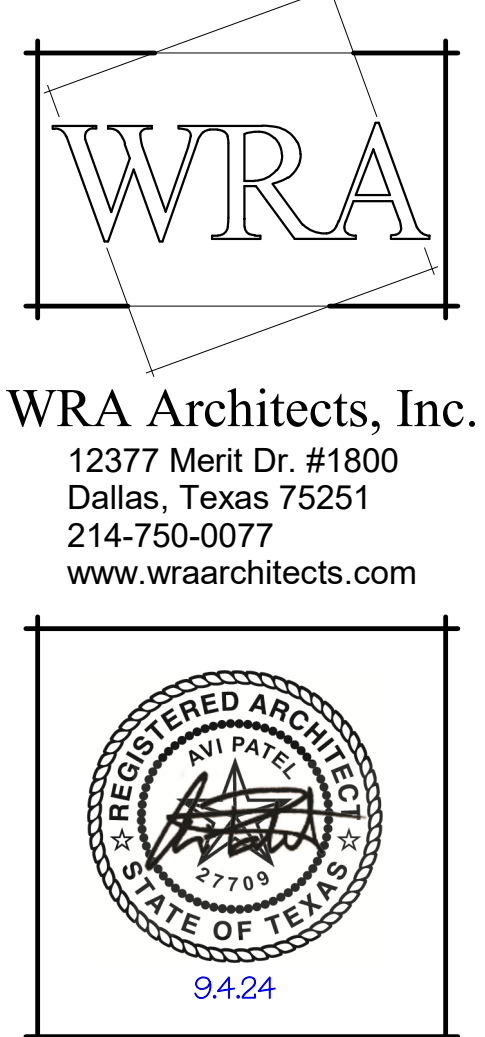


2 Wall Section - Unit B - Storm Shelter - Stairs S3 - East
1/2" = 1'-0"



3 Wall Section - Unit B - Storm Shelter Gym B012 - East
1/2" = 1'-0"

- WALL SECTION NOTES**
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 - INSTALL MORTAR NET PER SPEC ABOVE THRU WALL FLASHING AT ALL STEEL LINTEL LOCATIONS AND AT ALL BRICK LEDGE LOCATIONS PER DETAIL ON A521.
 - APPLY WATER REPELLENT COATING TO MASONRY SURFACES FOLLOWING FINAL CLEANING PER SPEC.



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Wall Sections - Unit B

A514
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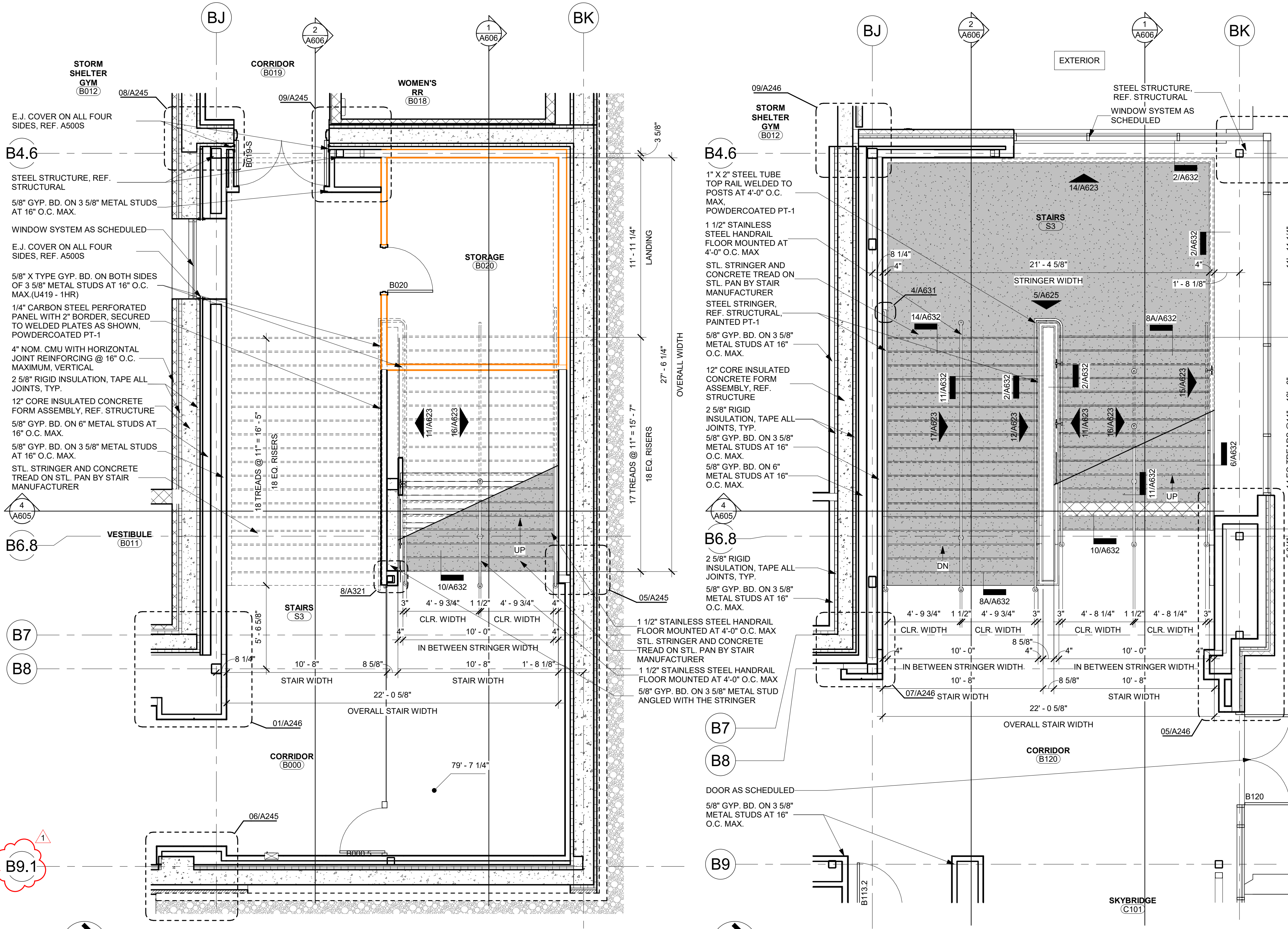


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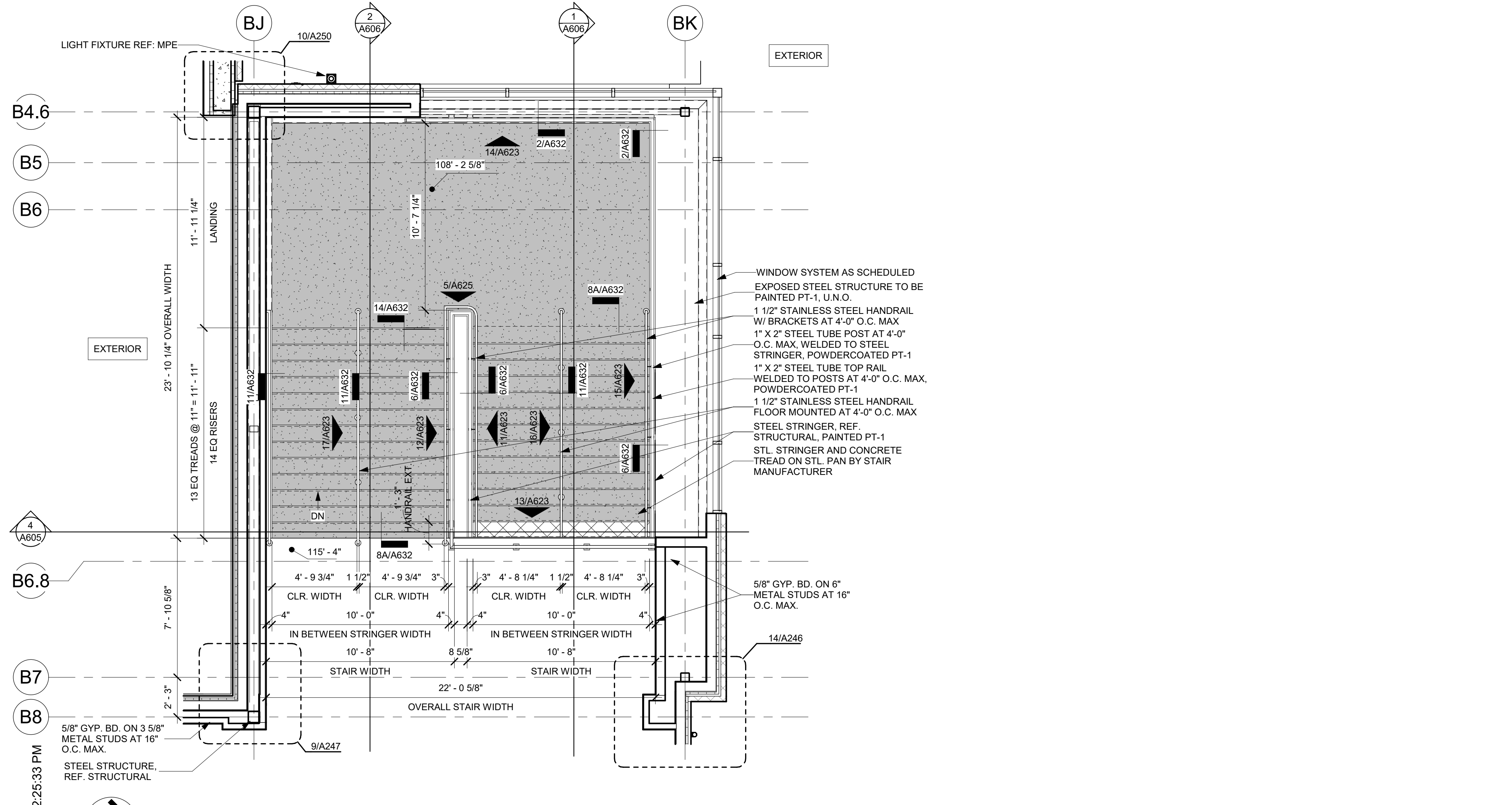
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No. 1 Addendum #1 Date 09/19/24

JOB NO. 2399
DATE: 09/19/2024
Stair Plans and Details

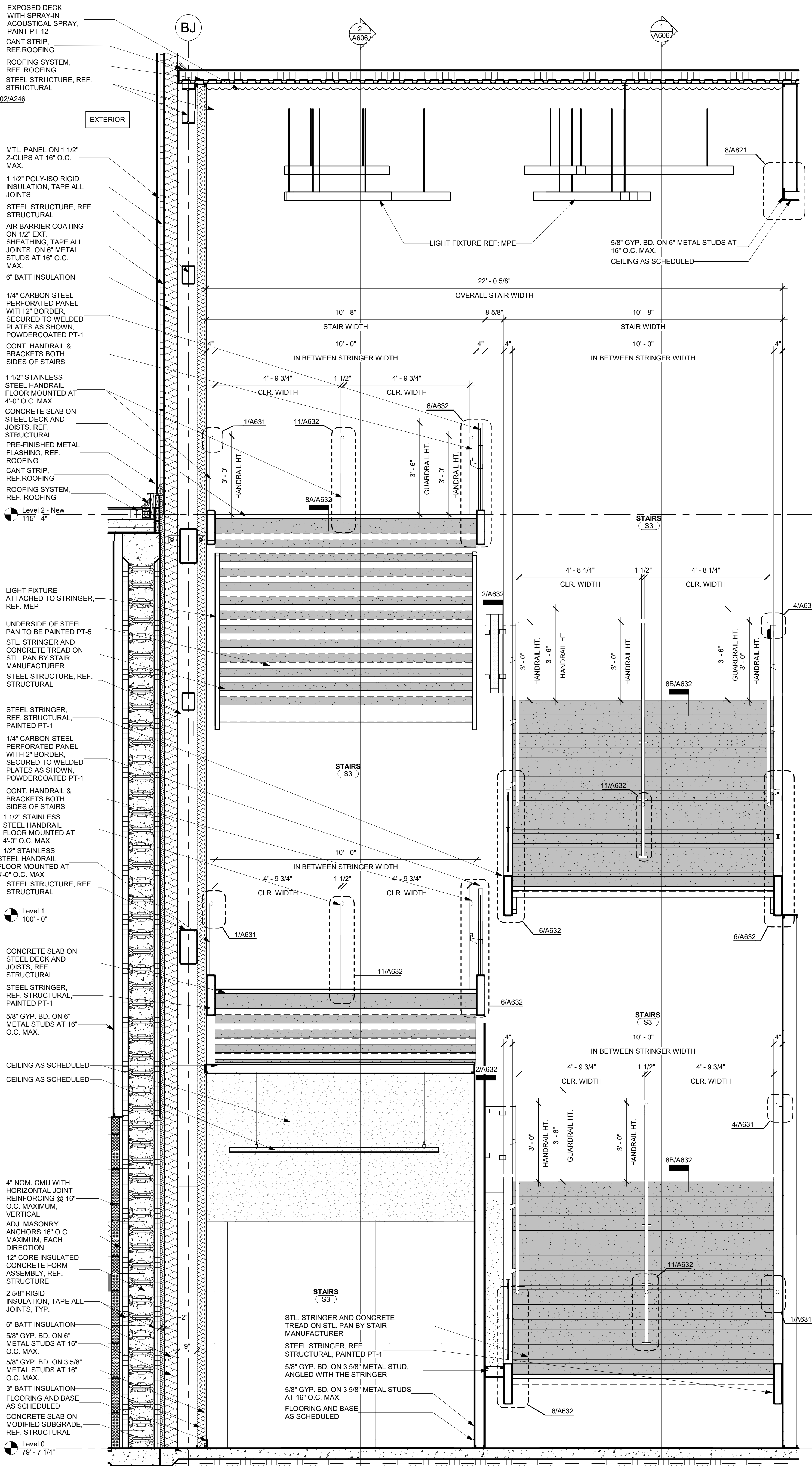


1 Floor Plan - Level 0 Unit B - Stair S3
1/4" = 1'-0"

2 Floor Plan - Level 1 Unit B - Stair S3
1/4" = 1'-0"

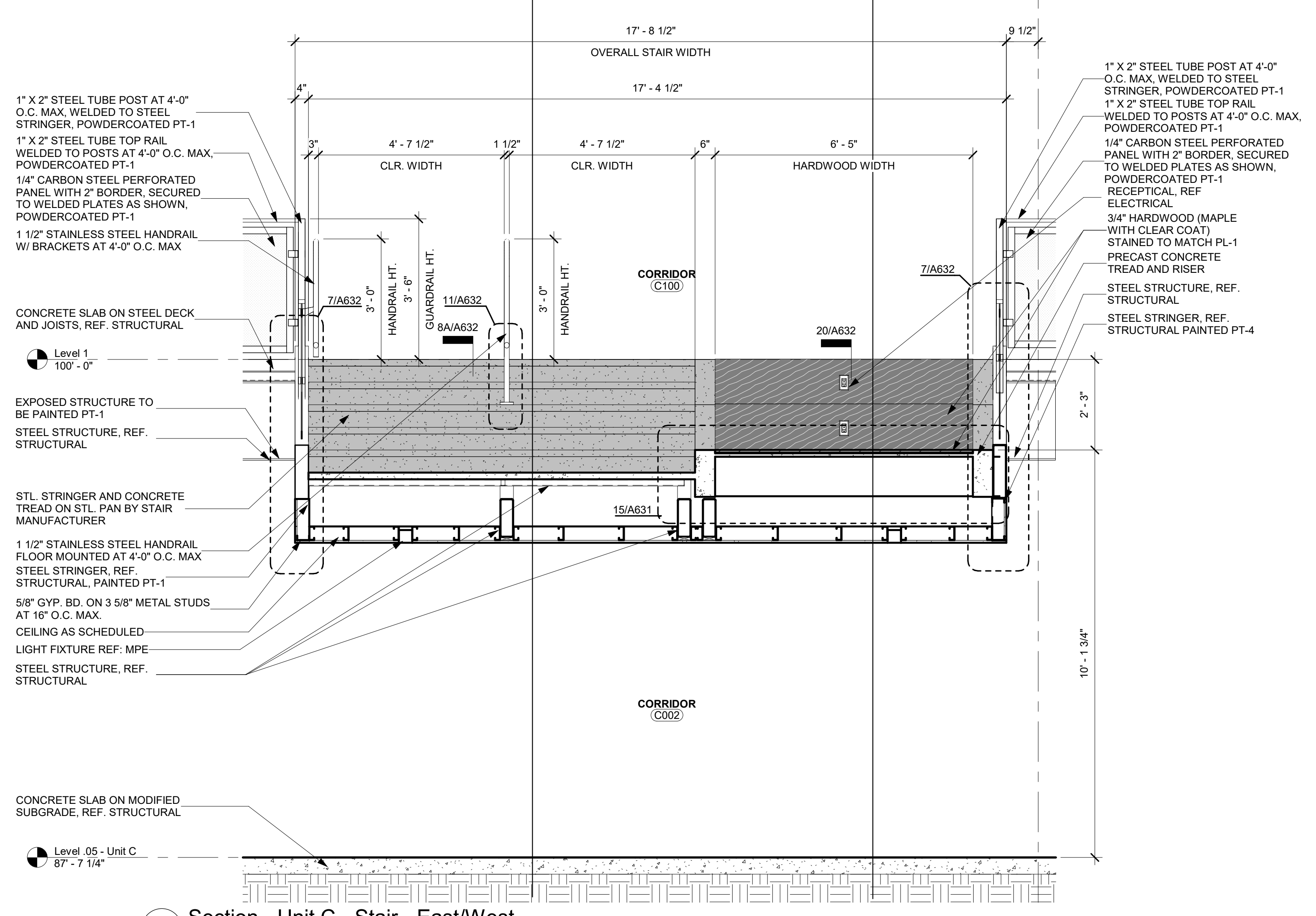
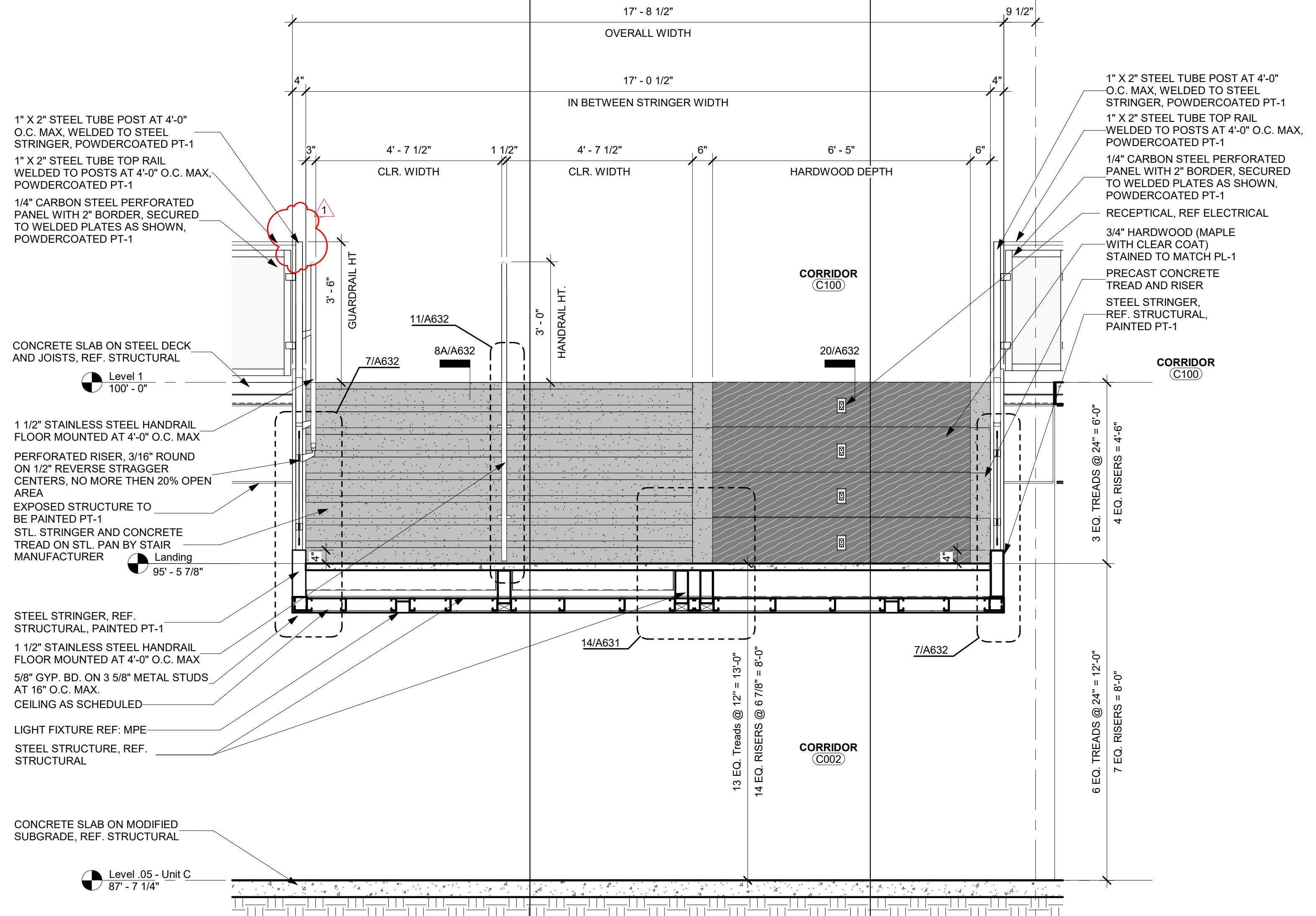
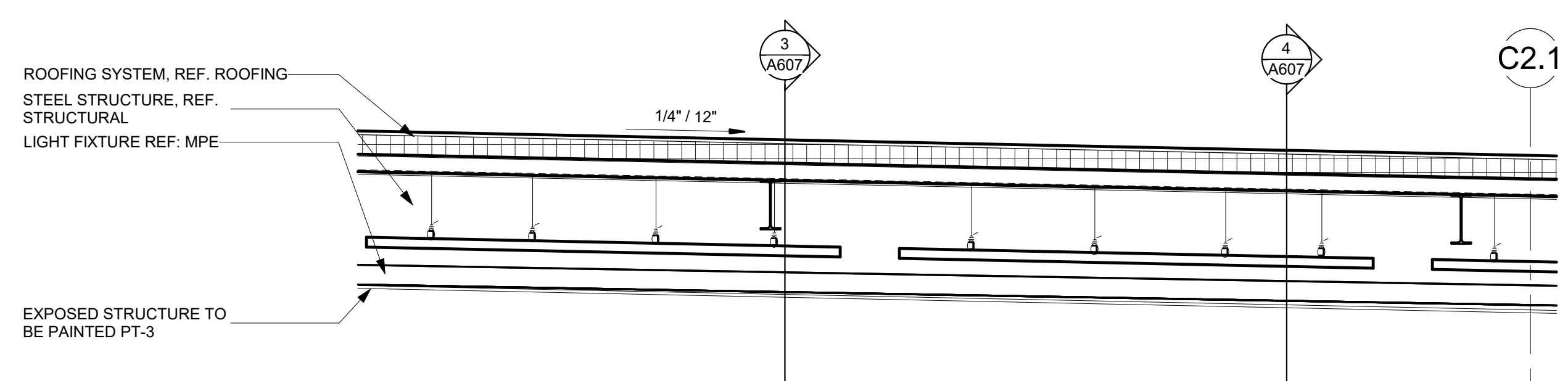
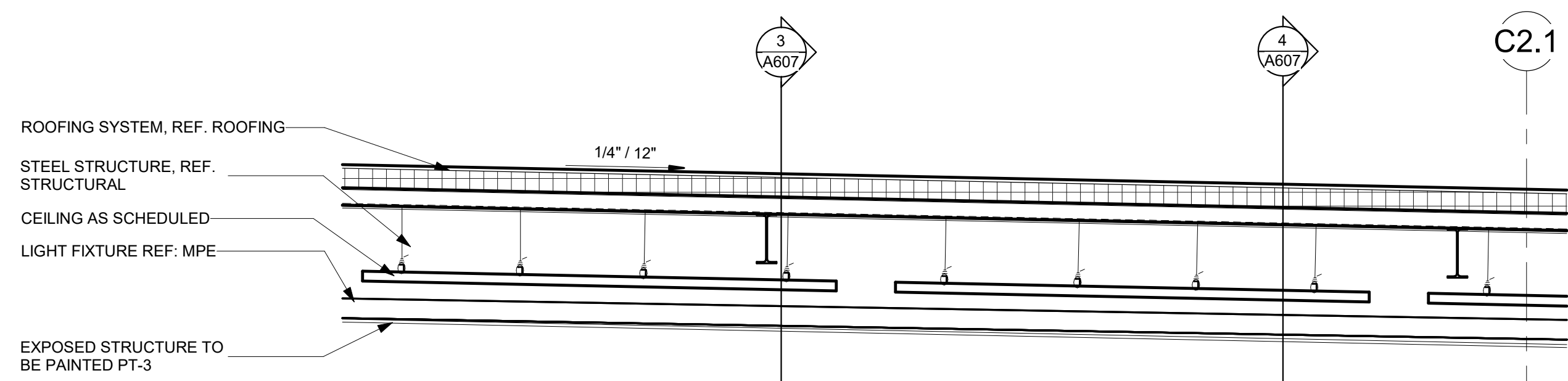


3 Floor Plan - Level 2 Unit B - Stair S3
1/4" = 1'-0"



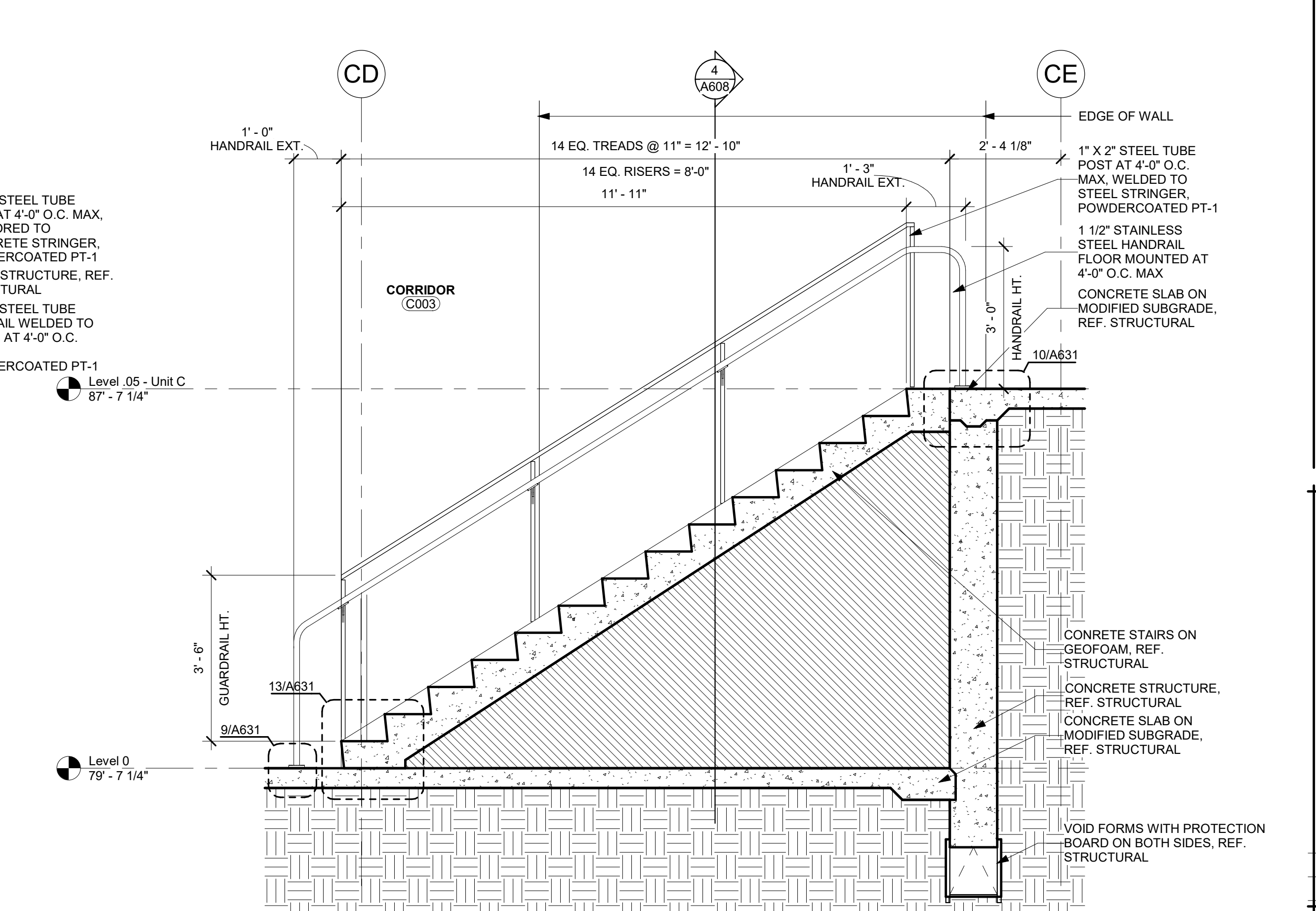
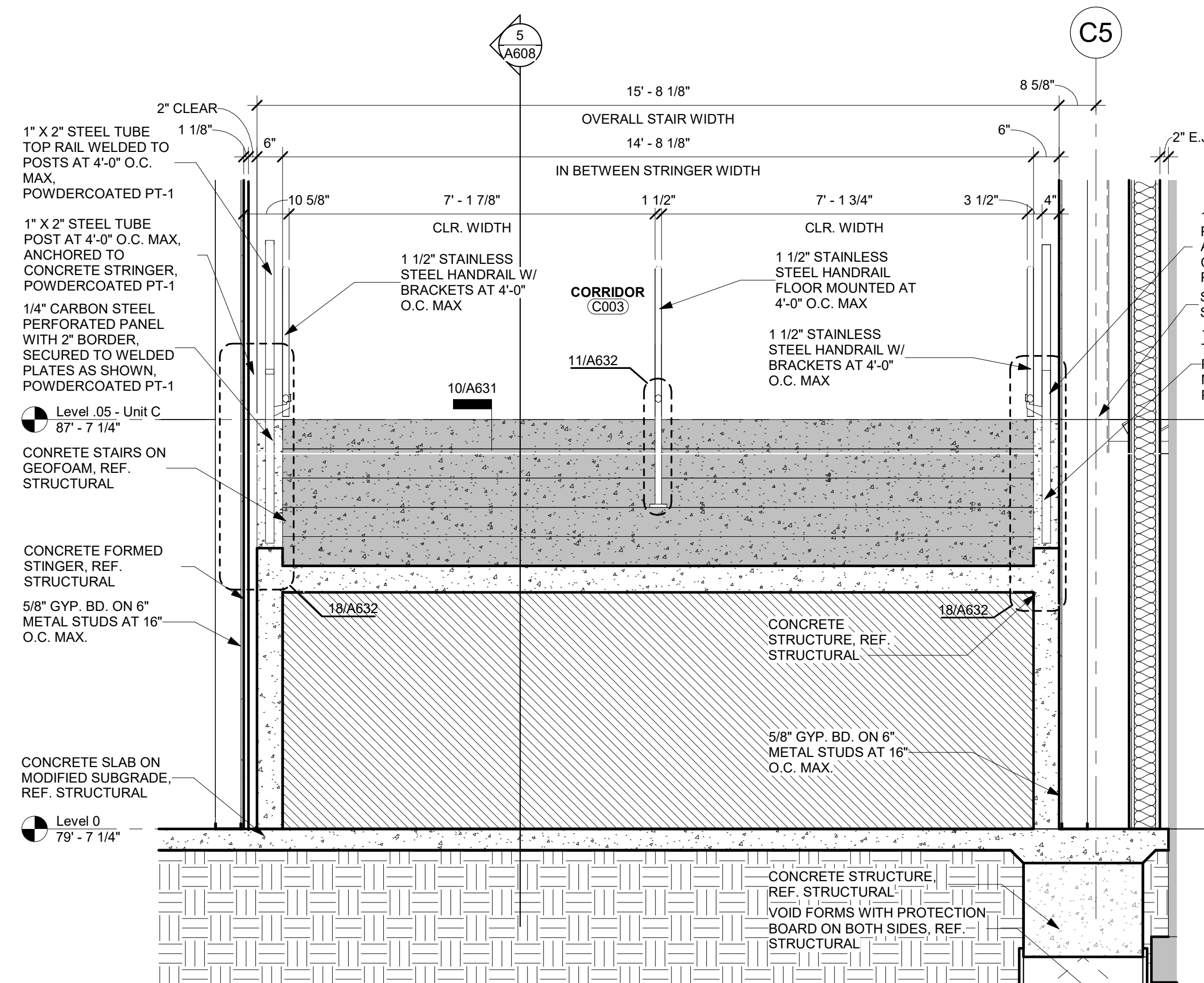
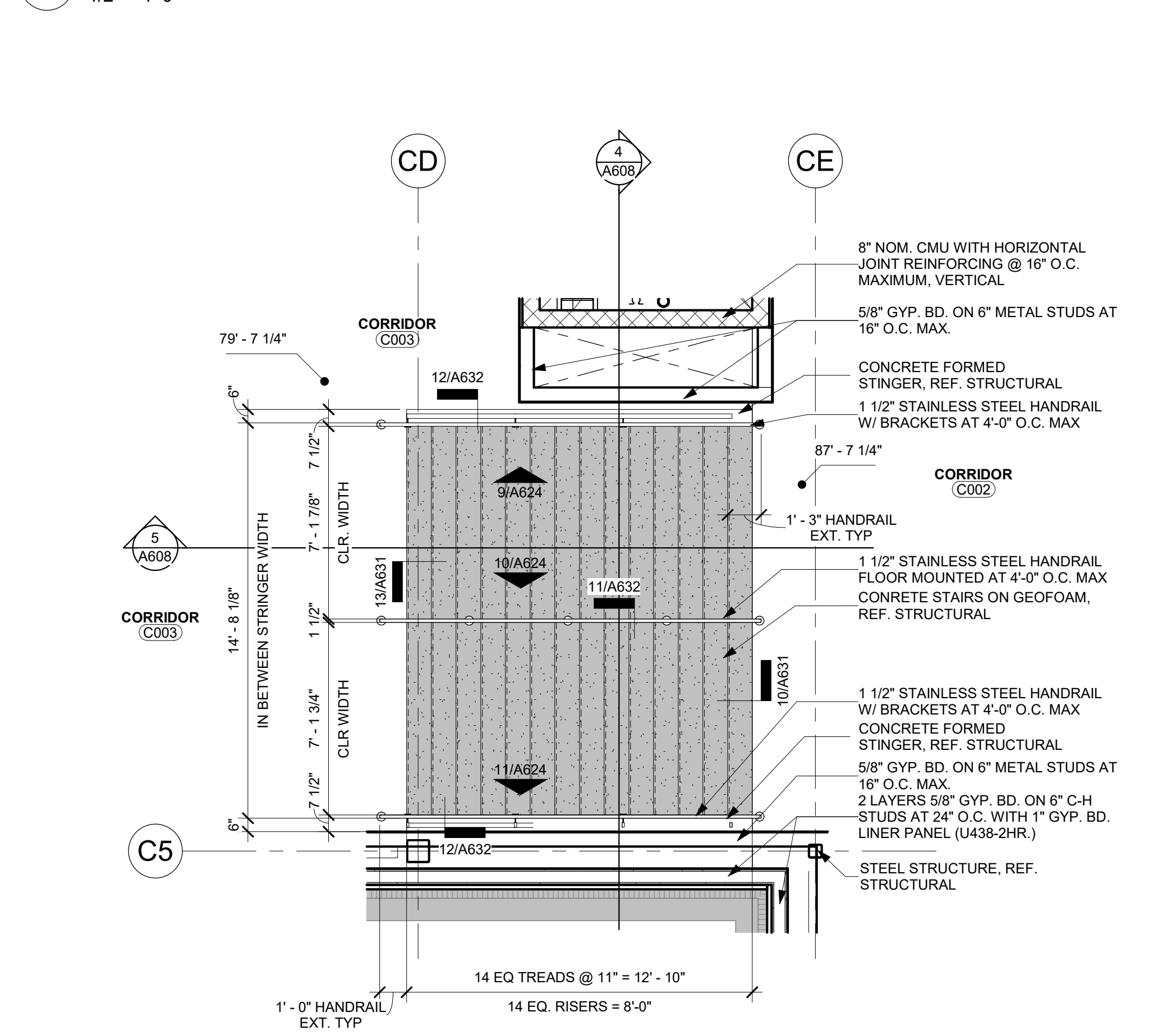
4 Section - Unit B - Stair S3 - North/South
1/2" = 1'-0"

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1 Section - Unit C - Stair - East/West - Landing
1/2" = 1'-0"

2 Section - Unit C - Stair - East/West
1/2" = 1'-0"



3 Floor Plan - Level 0.5 Unit C - Concrete Stairs
1/4" = 1'-0"

4 Section - Unit C - Concrete Stairs - East/West
1/2" = 1'-0"

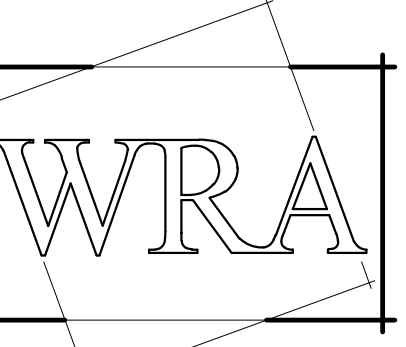
5 Section - Unit C - Concrete Stair - North/South
1/2" = 1'-0"

REVISIONS:

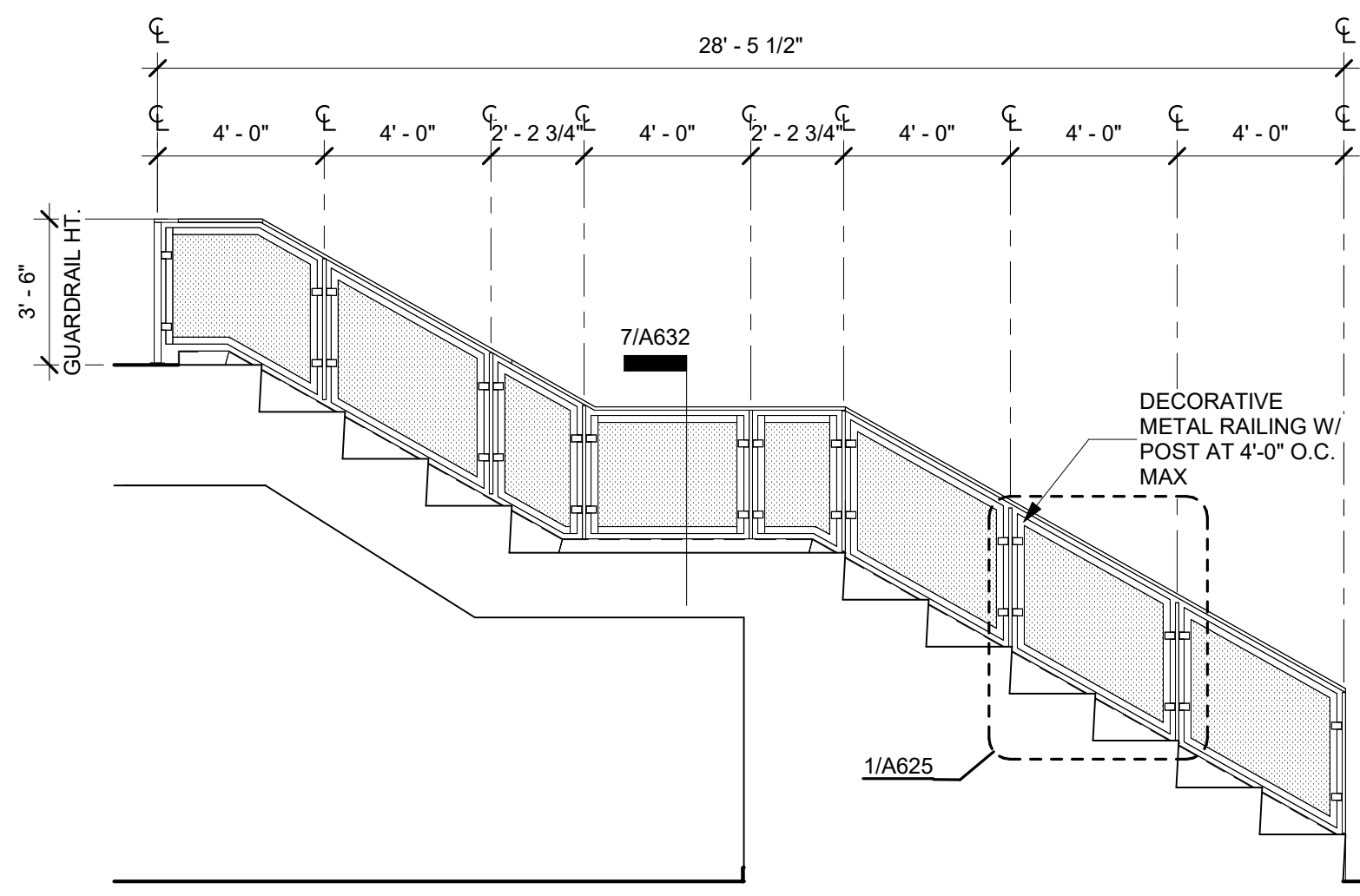
No.	Date
1	09/19/2024

Job Information:

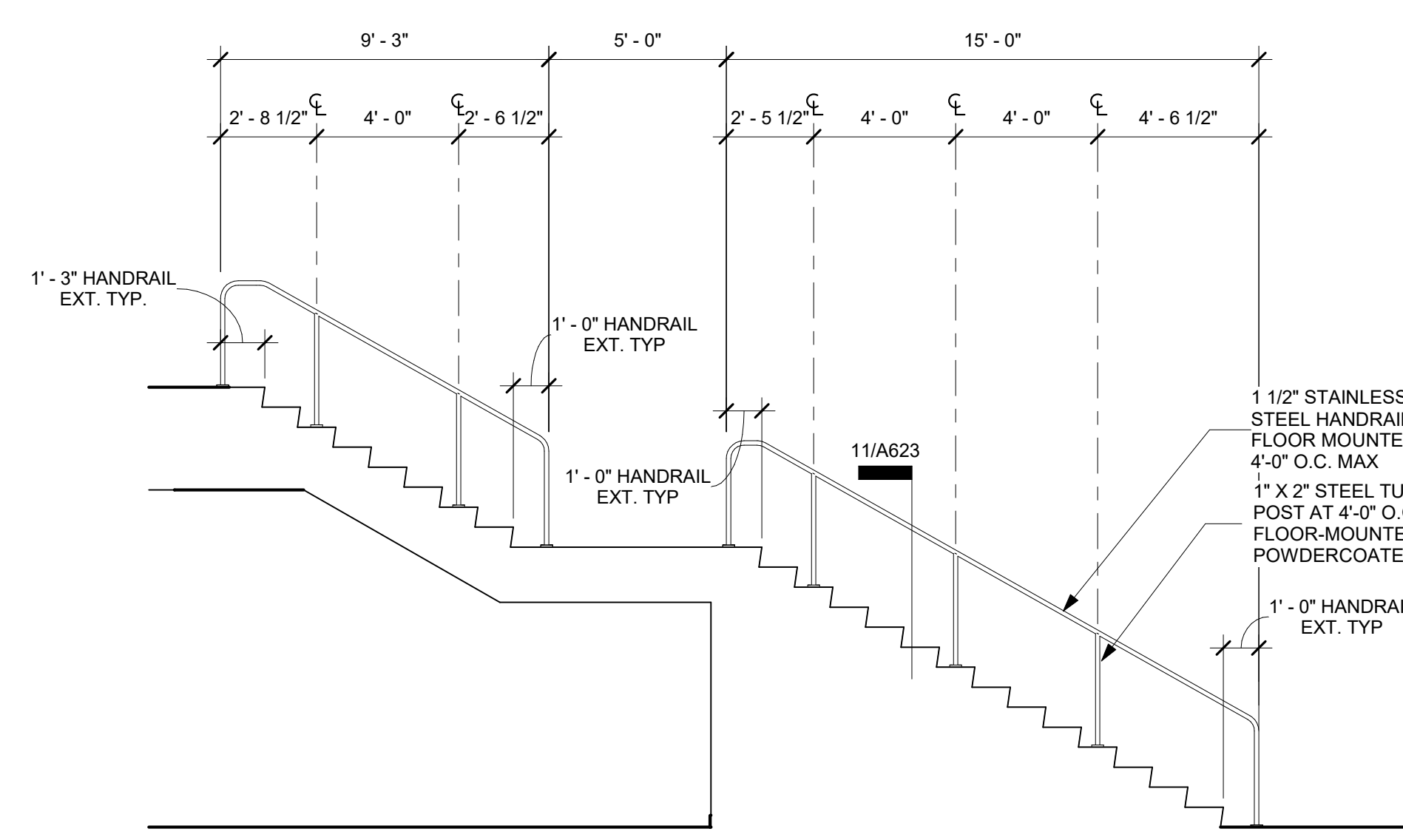
JOB NO.	2399
DATE:	09/19/2024



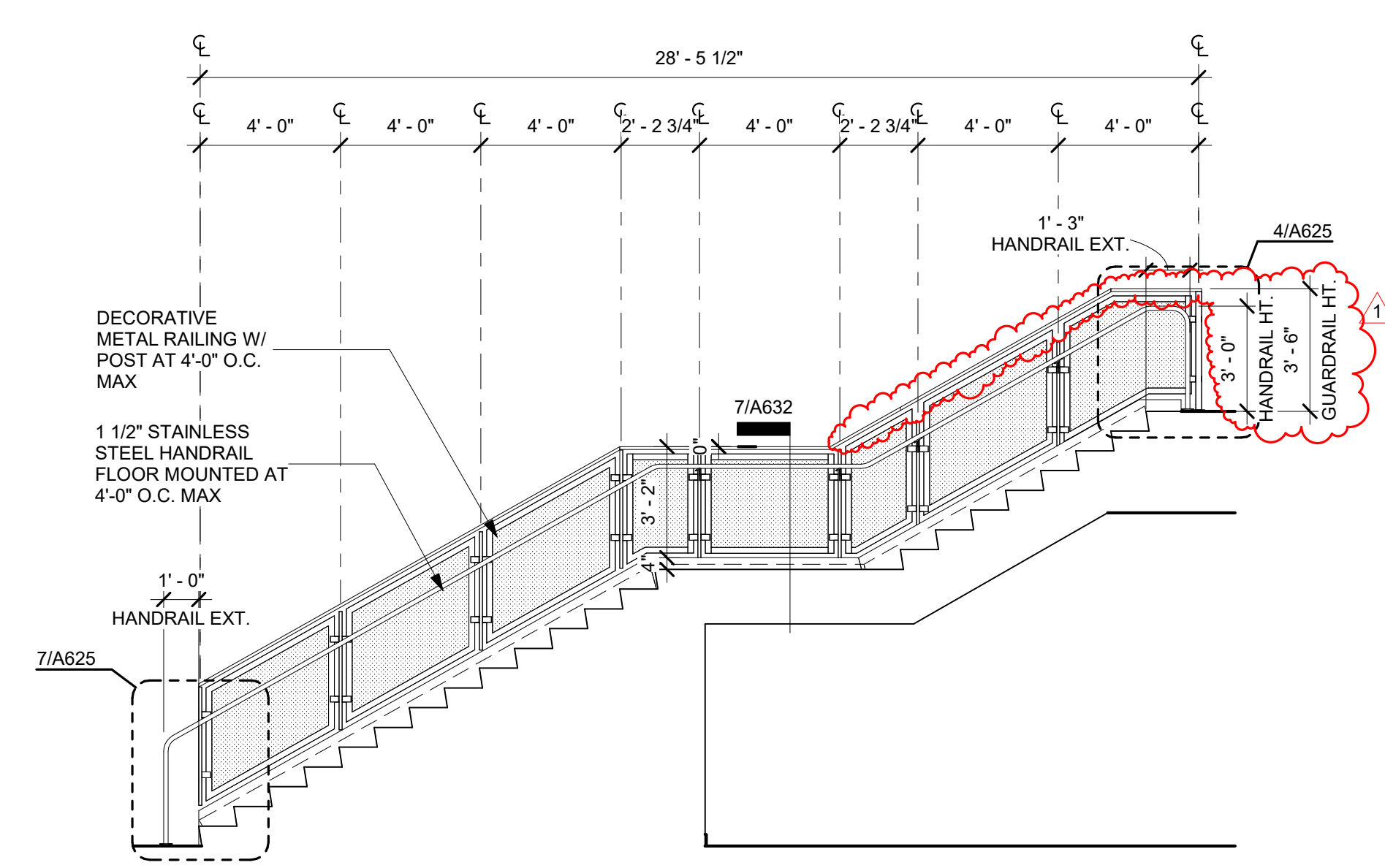
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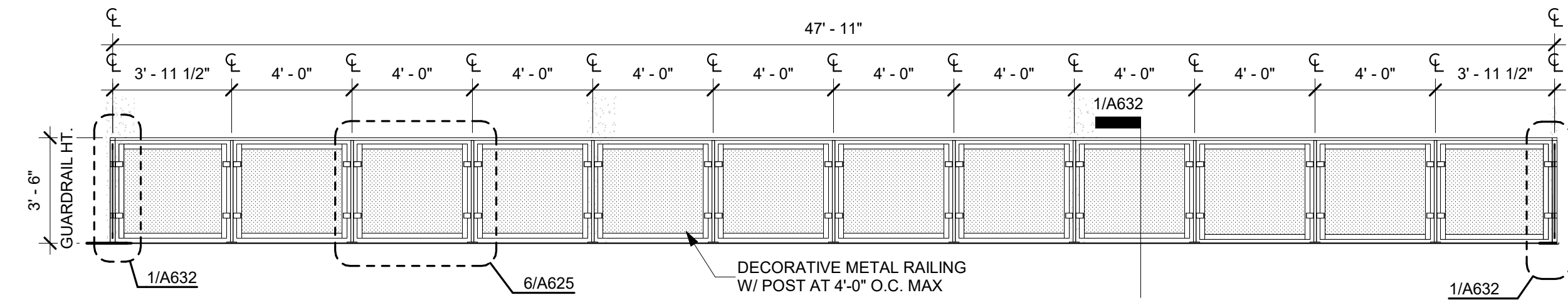
1 Guardrail Elevation - Stairs Corridor C100 - West
1/4" = 1'-0"



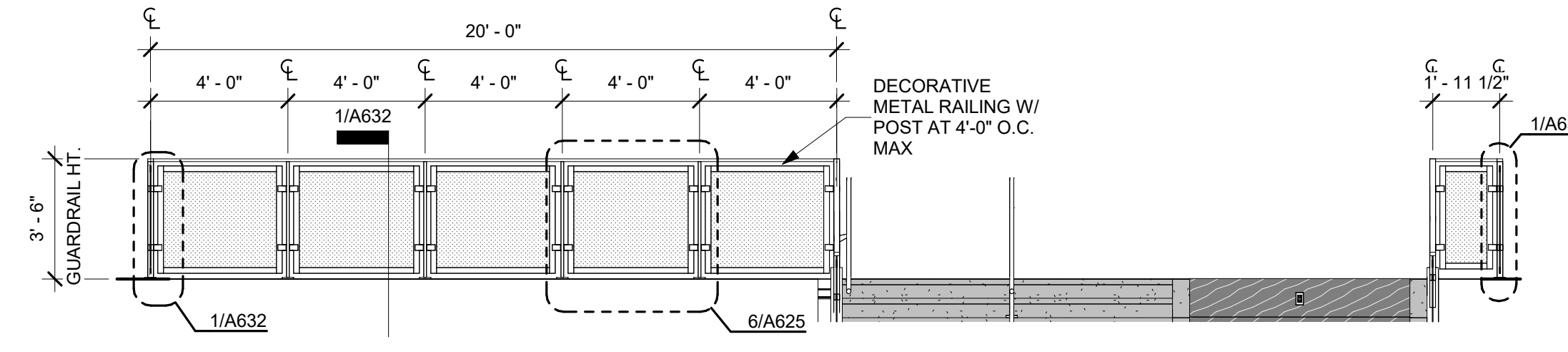
2 Intermediate Handrail Elevation - Stairs Corridor C100
1/4" = 1'-0"



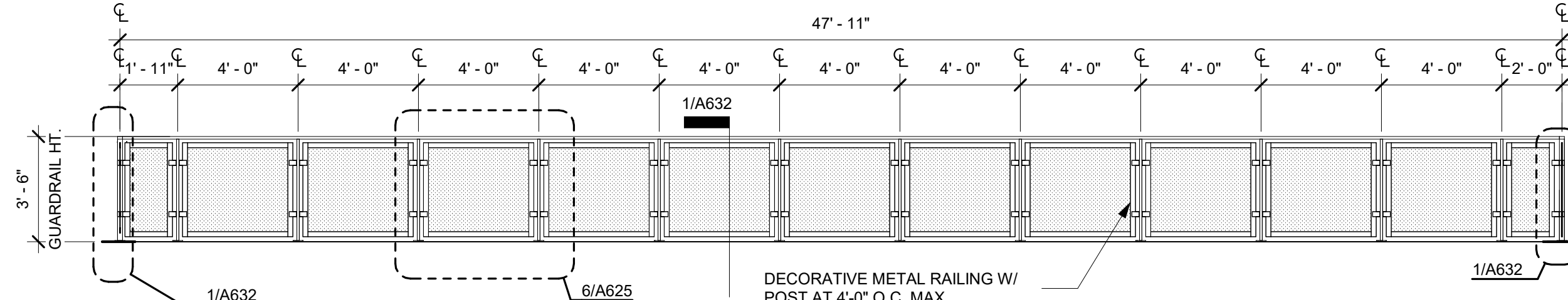
3 Guardrail Elevation - Stairs Corridor C100 - East
1/4" = 1'-0"



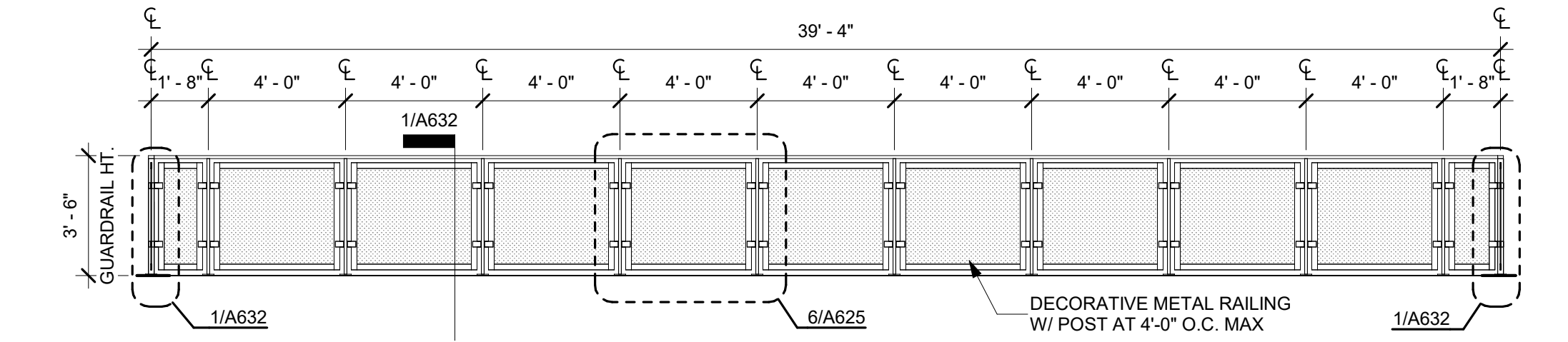
4 Guardrail Elevation - Level 1 - Corridor C100 - East
1/4" = 1'-0"



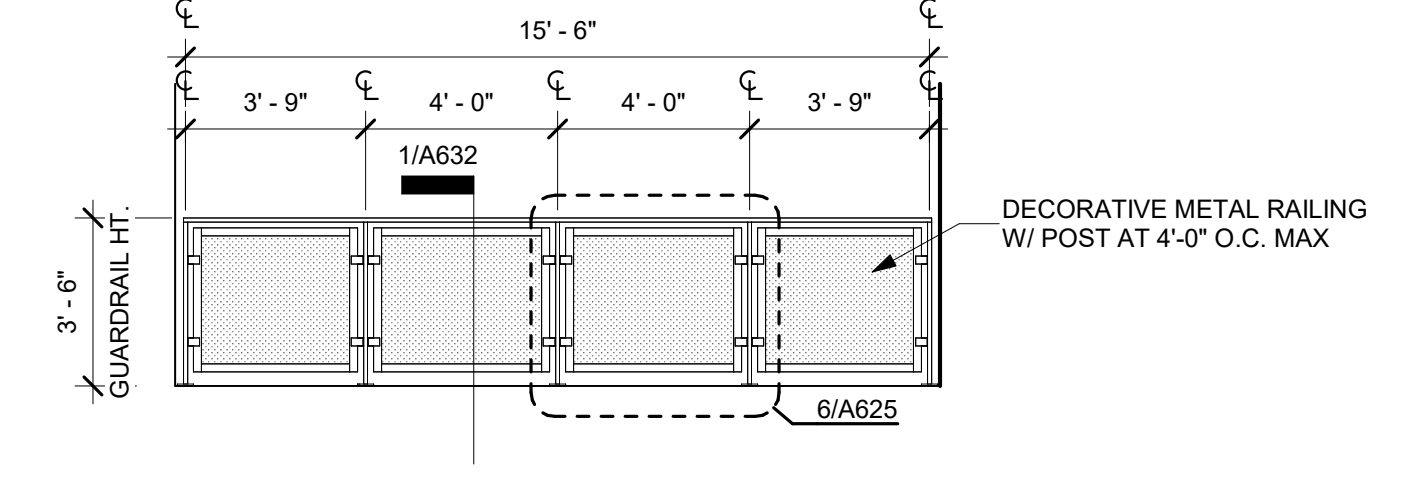
5 Guardrail Elevation - Level 1 - Corridor C100 - South
1/4" = 1'-0"



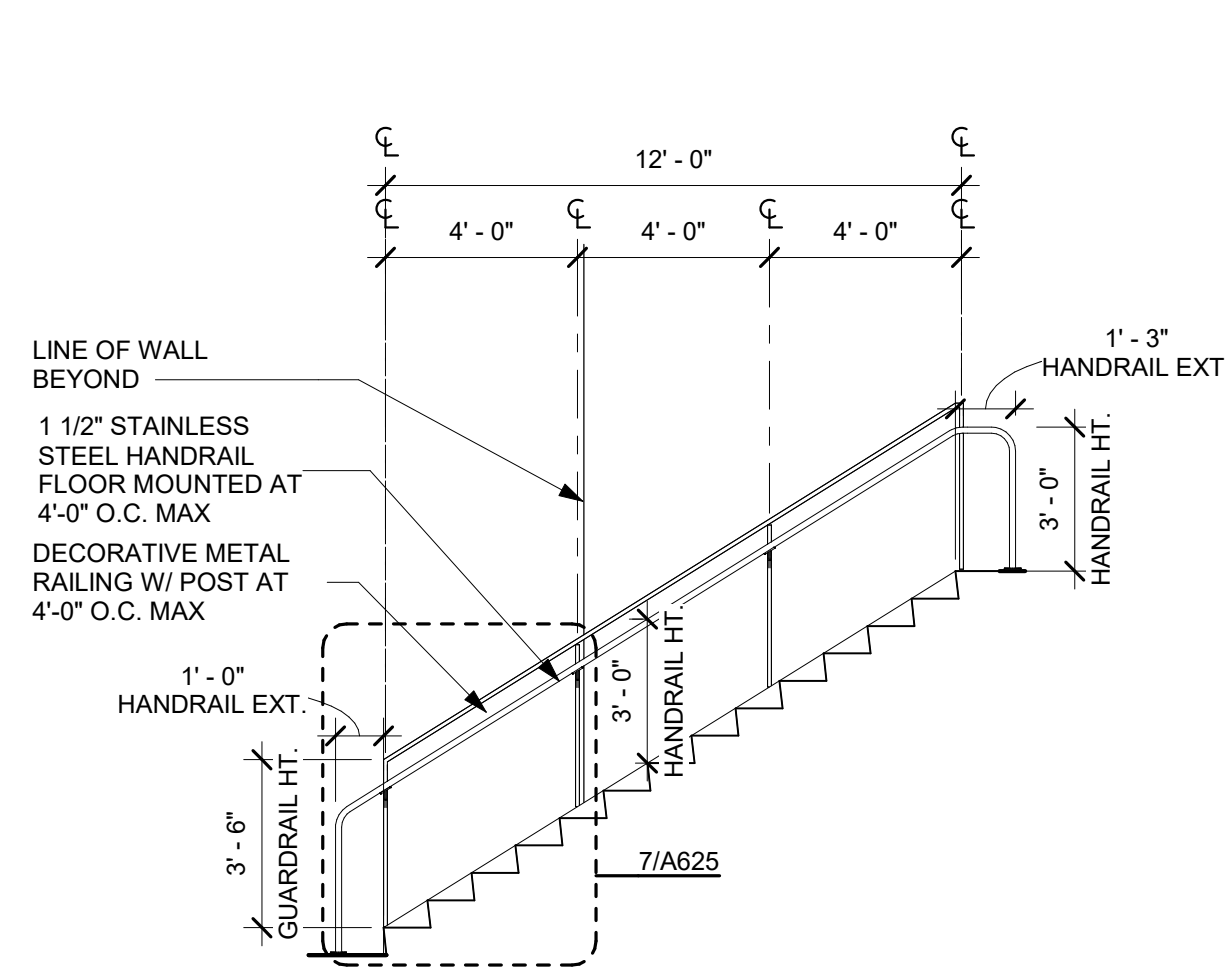
6 Guardrail Elevation - Level 1 - Corridor C100 - West
1/4" = 1'-0"



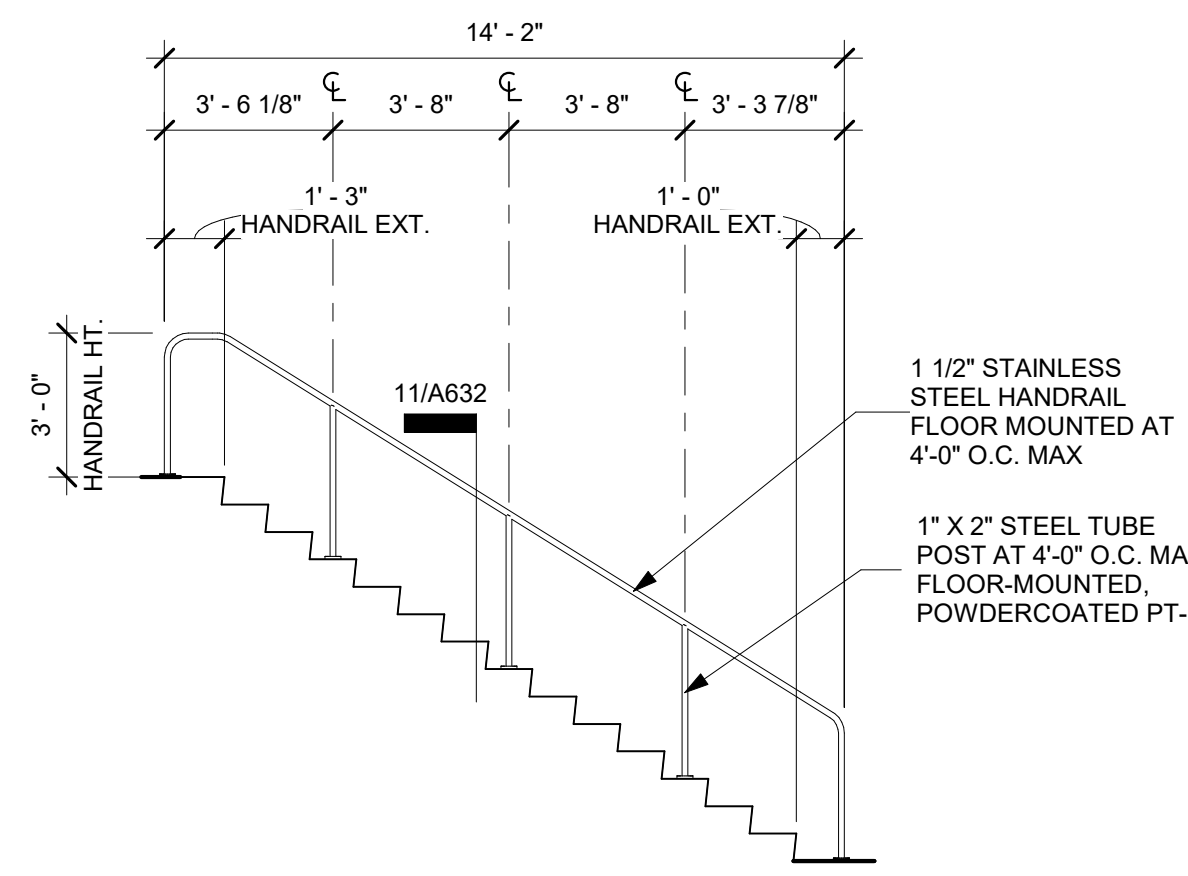
7 Guardrail Elevation - Level 1 - Corridor C100 - North
1/4" = 1'-0"



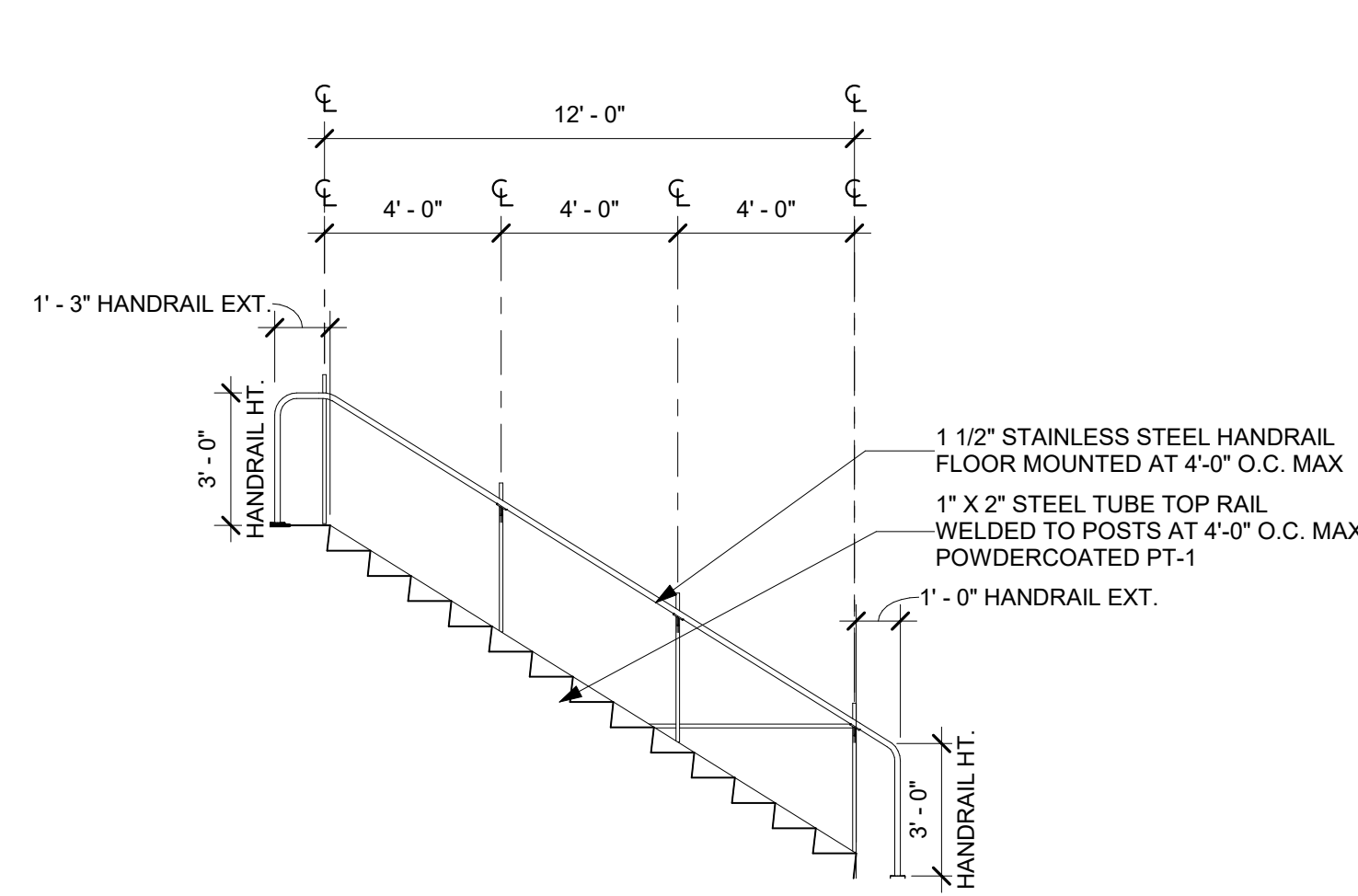
8 Guardrail Elevation - Level 1 - Corridor C100 - South
1/4" = 1'-0"



9 Guardrail Elevation - Unit C Stair 2 - West
1/4" = 1'-0"



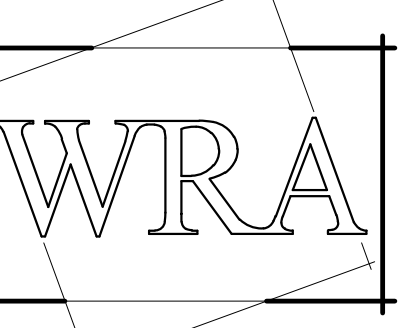
10 Intermediate Handrail Elevation - Unit C Stair 2
1/4" = 1'-0"



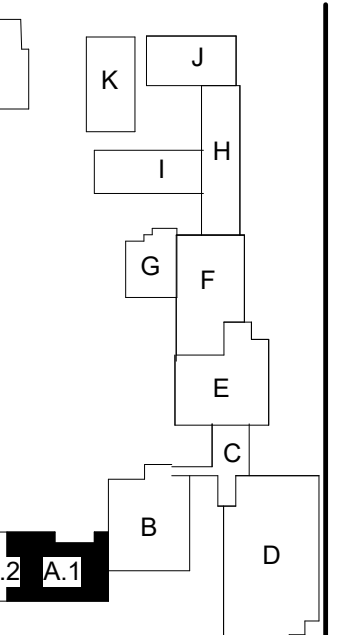
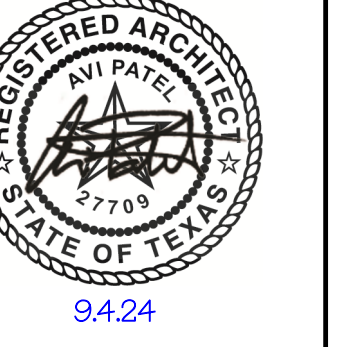
11 Handrail Elevation - Unit C Stair 2 - East
1/4" = 1'-0"

No.	Date
1 Addendum #1	09/19/2024

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Guardrails Elevations	



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No. 1 Addendum #1 Date 09/19/2024

JOB NO. 2359
DATE: 09/19/2024
RCP Level 1 Unit A.1

A801.1

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Reflected Ceiling Plan Legend

	1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC.		2' X 2' LAY-IN CEILING AND GRID
	PENDANT LIGHT FIXTURE REF. ELEC.		DOUBLE ACOUSTICAL CEILING, REF. 17/A821
	EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC.		2x2' NUBBY ABSORB LAY-IN CEILING AND GRID
	FLUSH LIGHT FIXTURE REF. ELEC.		2x2' VINYL FACED LAY-IN CEILING AND GRID
	2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.		2x2' 2" WELDED WIRE MESH CEILING
	SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC.		GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
	SQUARE CAN LIGHT FIXTURE - REF. ELEC.		TECTUM PANELS TYPICAL 4'x8'
	CEILING MOUNTED EXIT LIGHT - REF. ELEC.		CEILING HEIGHT ABOVE FINISH FLOOR
	SURFACE MOUNTED EXIT LIGHT - REF. ELEC.		H.V.A.C. DIFFUSER - REF. MECH.
	ROOF ACCESS HATCH		H.V.A.C. RETURN AIR GRILLE - REF. MECH.
	8" FIBERGLASS INSULATION ABOVE CEILING		H.V.A.C. EXHAUST GRILLE - REF. MECH.

NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS

NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT COLOR, REF. RCP

Wall Partition Rating Legend

	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

PAINT COLOR

	PT-1
	PT-2
	PT-3
	PT-4
	PT-5
	PT-6
	PT-7
	PT-8
	PT-9
	PT-10
	PT-11

ACOUSTIC WOOD FIBER PANEL COLOR

	PT-1
	PT-2
	PT-3
	WFP

ACOUSTICAL BAFFLES

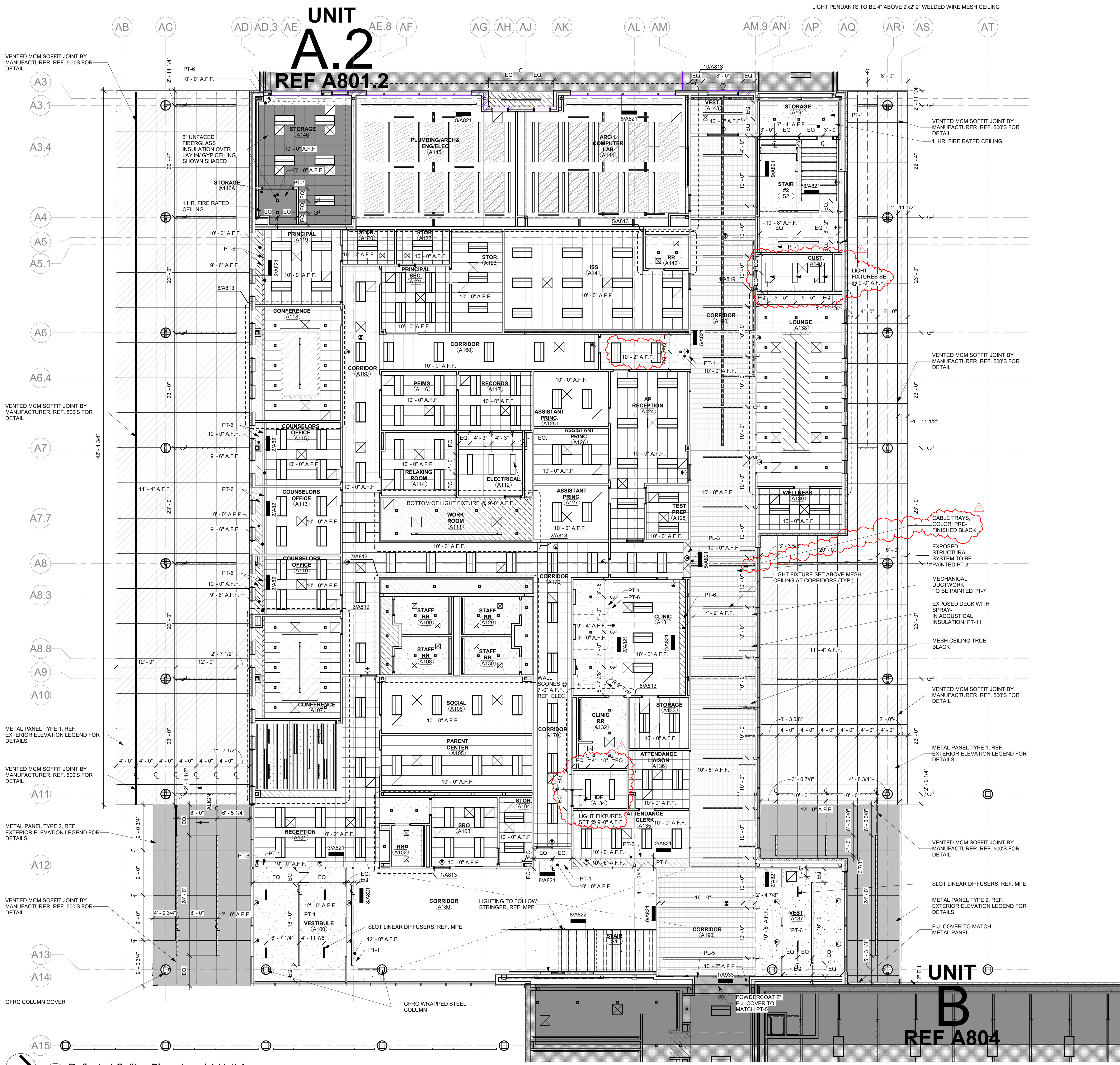
	AB-1
	AB-2
	AB-3

LINEAR CEILING

	LC-1
	LC-2

GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS

Alternate #4
Base Bid: Existing to remain
Add Alternate Bid: Includes Renovation of 1958 Wing (Unit H)

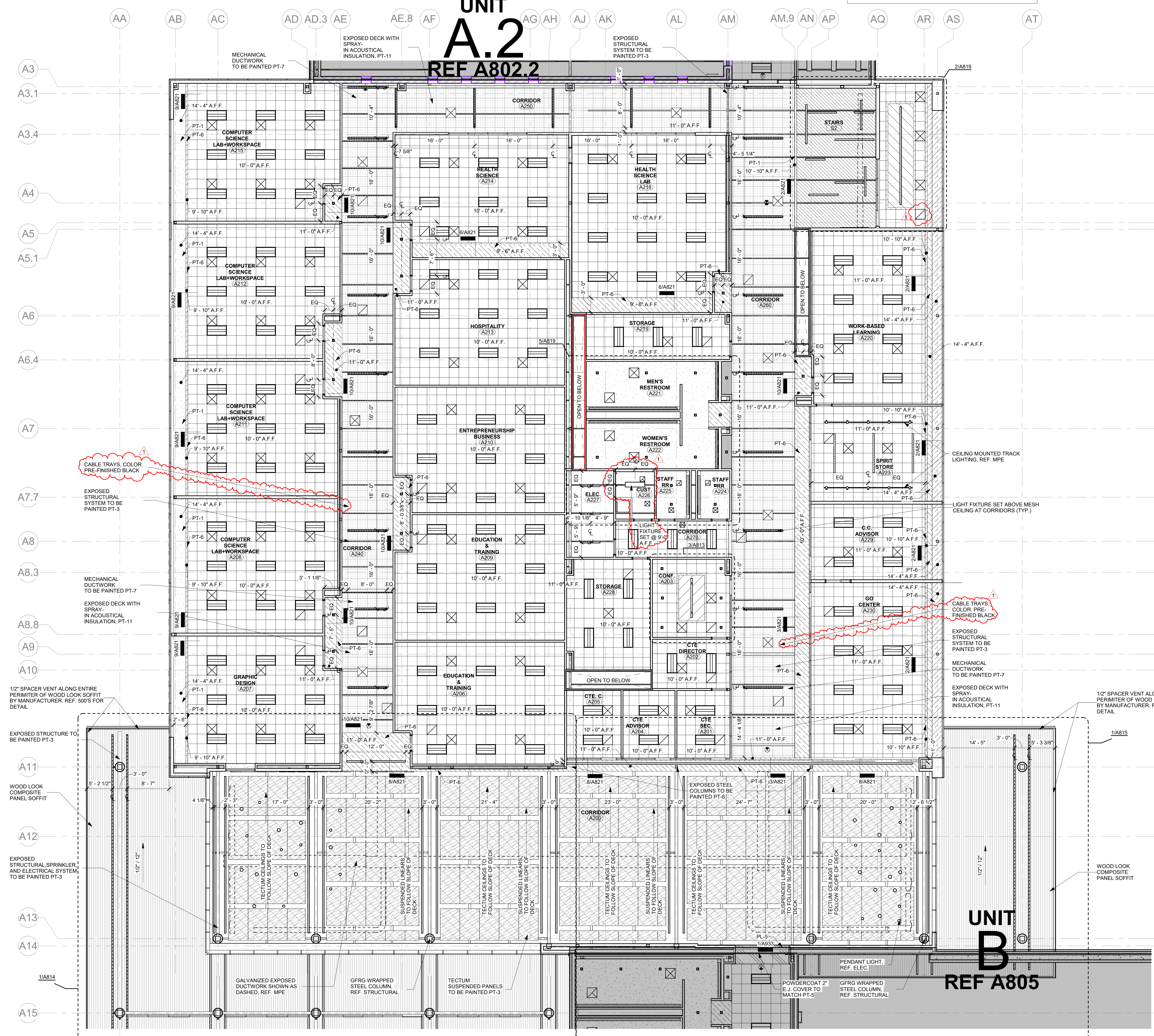


1 Reflected Ceiling Plan - Level 1 Unit A
1/8" = 1'-0"
TRUE NORTH

9/19/2024 2:25:45 PM

UNIT A.2 REF A802.2

LIGHT PENDANTS TO BE 4" ABOVE 2'X2' WELDED WIRE MESH CEILING



Reflected Ceiling Plan Legend

1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC.	2' X 2' LAY-IN CEILING AND GRID
PENDANT LIGHT FIXTURE REF. ELEC.	DOUBLE ACOUSTICAL CEILING, REF. 17/A821
EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC.	2'X2' NUBBY ABSORB LAY-IN CEILING AND GRID
FLUSH LIGHT FIXTURE REF. ELEC.	2'X2' VINYL FACED LAY-IN CEILING AND GRID
2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.	2'X2' 2" WELDED WIRE MESH CEILING
SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC.	GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
SQUARE CAN LIGHT FIXTURE - REF. ELEC.	TECTUM PANELS TYPICAL 4'X8'
CEILING MOUNTED EXIT LIGHT - REF. ELEC.	CEILING HEIGHT ABOVE FINISH FLOOR
SURFACE MOUNTED EXIT LIGHT - REF. ELEC.	H.V.A.C. DIFFUSER - REF. MECH.
ROOF ACCESS HATCH	H.V.A.C. RETURN AIR GRILLE - REF. MECH.
8" FIBERGLASS INSULATION ABOVE GRILLING	H.V.A.C. EXHAUST GRILLE - REF. MECH.

NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS

NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT COLOR, REF. RCP

Wall Partition Rating Legend

(White)	UNRATED ASSEMBLY
(Orange)	1 HOUR RATED ASSEMBLY
(Red)	2 HOUR RATED ASSEMBLY
(Blue)	SMOKE RATED ASSEMBLY

PAINT COLOR

PT-1
PT-2
PT-3
PT-4
PT-5
PT-6
PT-7
PT-8
PT-9
PT-10
PT-11

ACOUSTIC WOOD FIBER PANEL COLOR

PT-1
PT-2
PT-3
WFP

ACOUSTICAL BAFFLES

AB-1
AB-2
AB-3

LINEAR CEILING

LC-1
LC-2

GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS

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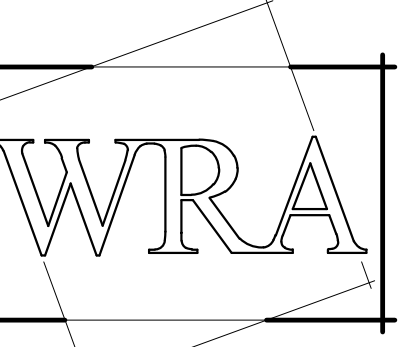
215 CHURCHILL ROAD, FORT WORTH, TEXAS - 76114

REVISIONS:	No.	Date
	1	Addendum #1 09/19/2024
JOB NO.	2359	
DATE:	09/19/2024	
RCP Level 2 Unit A.1		
A802.1		
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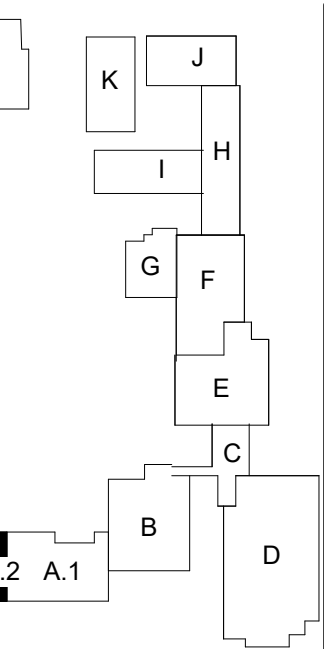
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1 Reflected Ceiling Plan - Level 2 Unit A
1/8" = 1'-0"





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	1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC.		2' X 2' LAY-IN CEILING AND GRID
	PENDANT LIGHT FIXTURE REF. ELEC.		DOUBLE ACOUSTICAL CEILING, REF. 17/A821
	EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC.		2x2' NUBBY ABSORB LAY-IN CEILING AND GRID
	FLUSH LIGHT FIXTURE REF. ELEC.		2x2' VINYL FACED LAY-IN CEILING AND GRID
	2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.		2x2' 2" WELDED WIRE MESH CEILING
	SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC.		GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
	SQUARE CAN LIGHT FIXTURE - REF. ELEC.		TECTUM PANELS TYPICAL 4'x8'
	CEILING MOUNTED EXIT LIGHT - REF. ELEC.		CEILING HEIGHT ABOVE FINISH FLOOR
	SURFACE MOUNTED EXIT LIGHT - REF. ELEC.		H.V.A.C. DIFFUSER - REF. MECH.
	ROOF ACCESS HATCH		H.V.A.C. RETURN AIR GRILLE - REF. MECH.
	8" FIBERGLASS INSULATION ABOVE CEILING		H.V.A.C. EXHAUST GRILLE - REF. MECH.

NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS

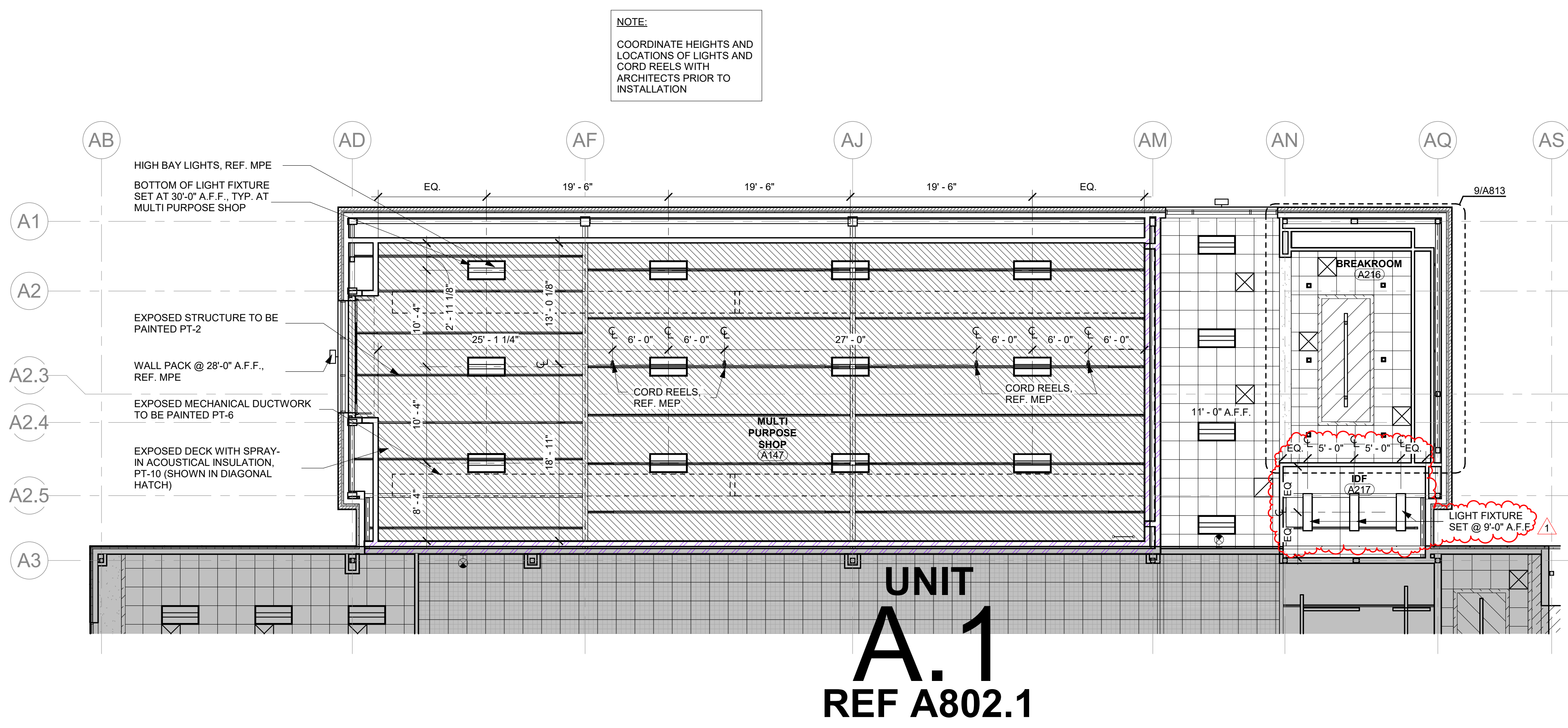
NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT. COLOR, REF. RCP

	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

PAINT COLOR	ACOUSTIC WOOD FIBER PANEL COLOR	LINEAR CEILING

ACOUSTICAL BAFFELS

GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS



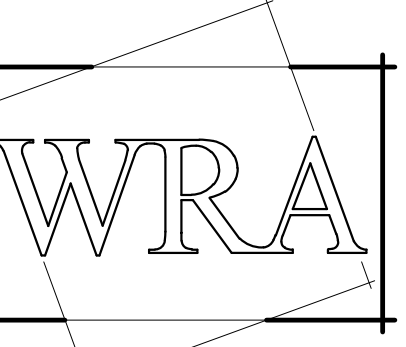
1 Reflected Ceiling Plan - Level 2 Unit A.2
1/8" = 1'-0"
TRUE NORTH

No.	Date
1	Addendum #1 09/19/2024

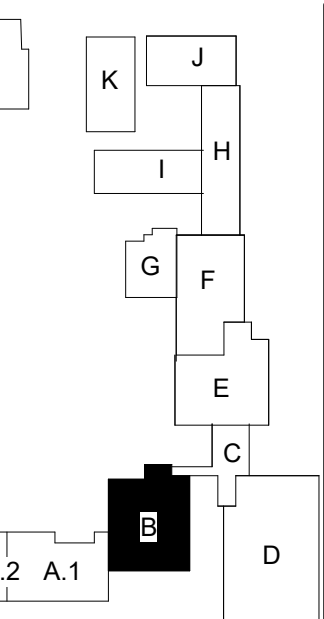
JOB NO.	2399
DATE:	09/19/2024

RCP Level 2 Unit A.2

A802.2



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JOB NO. 2399
DATE: 09/19/2024

RCP Level 0 Unit B - Storm Shelter Gym

A803

Reflected Ceiling Plan Legend

	1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC.		2' X 2' LAY-IN CEILING AND GRID
	PENDANT LIGHT FIXTURE - REF. ELEC.		DOUBLE ACOUSTICAL CEILING, REF. 17/A&21
	EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC.		2x2' NUBBY ABSORB LAY-IN CEILING AND GRID
	FLUSH LIGHT FIXTURE - REF. ELEC.		2x2' VINYL FACED LAY-IN CEILING AND GRID
	2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.		2x2' 2' WELDED WIRE MESH CEILING
	SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC.		GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
	SQUARE CAN LIGHT FIXTURE - REF. ELEC.		TECTUM PANELS TYPICAL 4'x8'
	CEILING MOUNTED EXIT LIGHT - REF. ELEC.		CEILING HEIGHT ABOVE FINISH FLOOR
	SURFACE MOUNTED EXIT LIGHT - REF. ELEC.		H.V.A.C. DIFFUSER - REF. MECH.
	ROOF ACCESS HATCH		H.V.A.C. RETURN AIR GRILLE - REF. MECH.
	8" FIBERGLASS INSULATION ABOVE CEILING		H.V.A.C. EXHAUST GRILLE - REF. MECH.

NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS

NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT COLOR, REF. RCP

Wall Partition Rating Legend

	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

PAINT COLOR

	PT-1
	PT-2
	PT-3
	PT-4
	PT-5
	PT-6
	PT-7
	PT-8
	PT-9
	PT-10
	PT-11

ACOUSTIC WOOD FIBER PANEL COLOR

	PT-1
	PT-2
	PT-3
	WFP

ACOUSTICAL BAFFLES

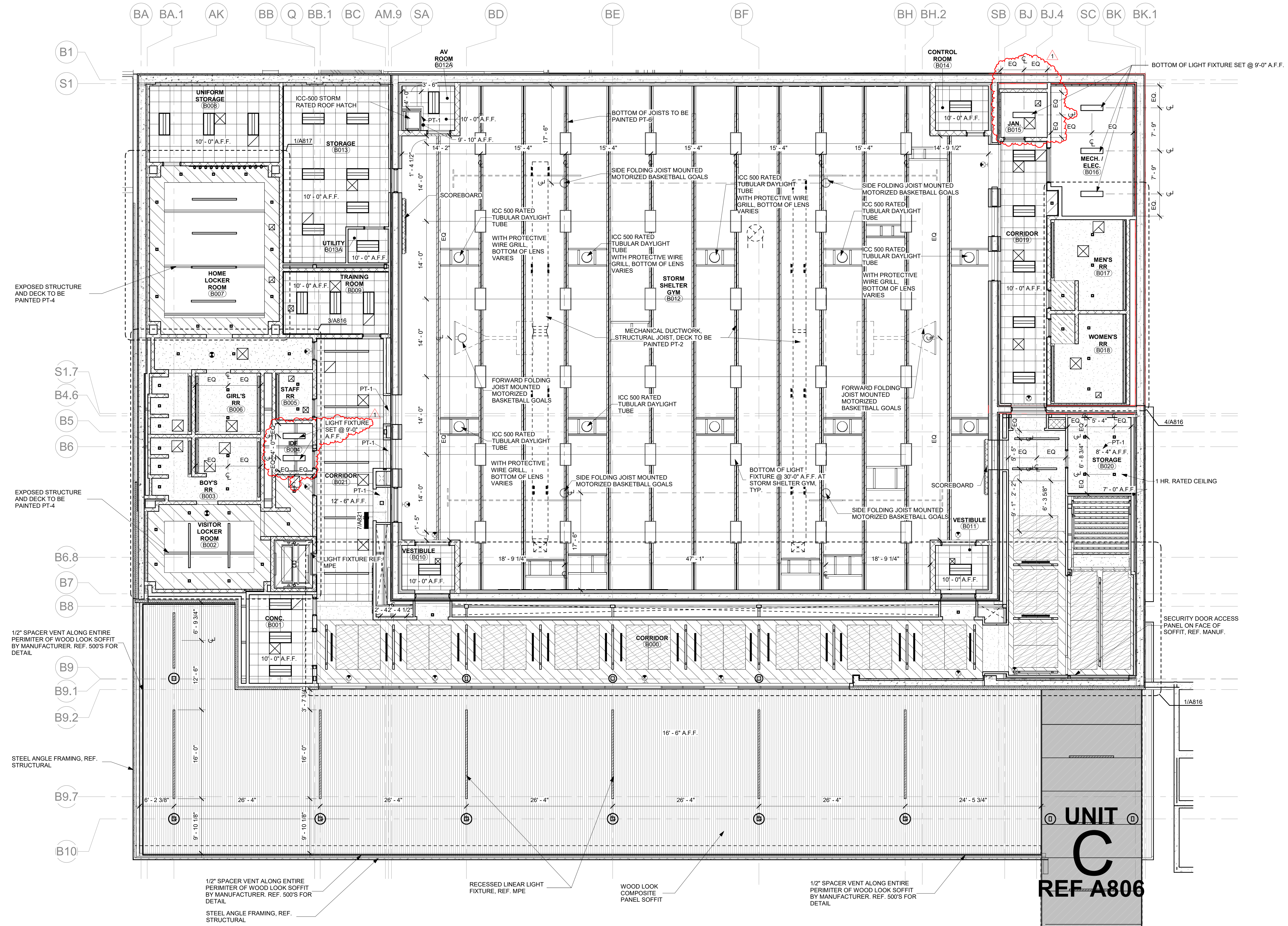
	AB-1
	AB-2
	AB-3

LINEAR CEILING

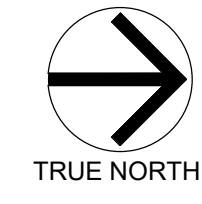
	LC-1
	LC-2

GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS

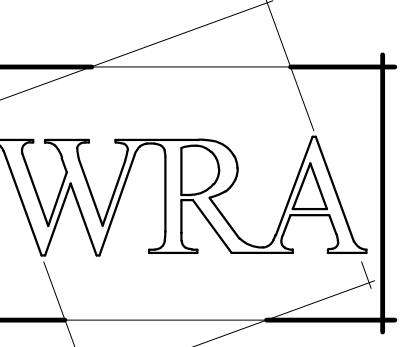
Alternate #8
Base Bid: Scope as shown to be bid.
Deduct Alternate Bid: Remove all Solutubes and Storm rated (FEMA) windows in the storm shelter (Unit B level 0).



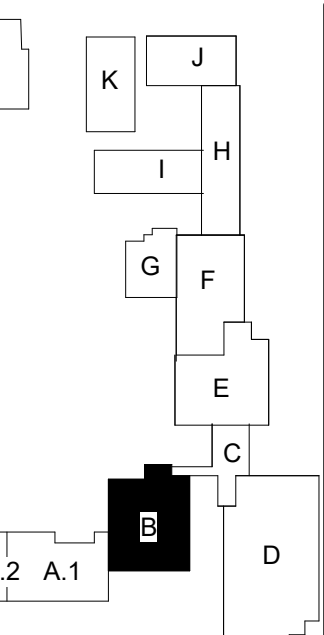
1 Reflected Ceiling Plan - Level 0 - Unit B
1/8" = 1'-0"



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REVISIONS:

No.	Date
1	Addendum #1 09/19/24

JOB NO. 2399
DATE: 09/19/2024
RCP Level 1 Unit B

A804
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Wall Partition Rating Legend

	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS

PAINT COLOR

PT-1	
PT-2	
PT-3	
PT-4	
PT-5	
PT-6	
PT-7	
PT-8	
PT-9	
PT-10	
PT-11	

ACOUSTIC WOOD FIBER PANEL COLOR

PT-1	
PT-2	
PT-3	
WFP	

ACOUSTICAL BAFFELS

AB-1	
AB-2	
AB-3	

LINEAR CEILING

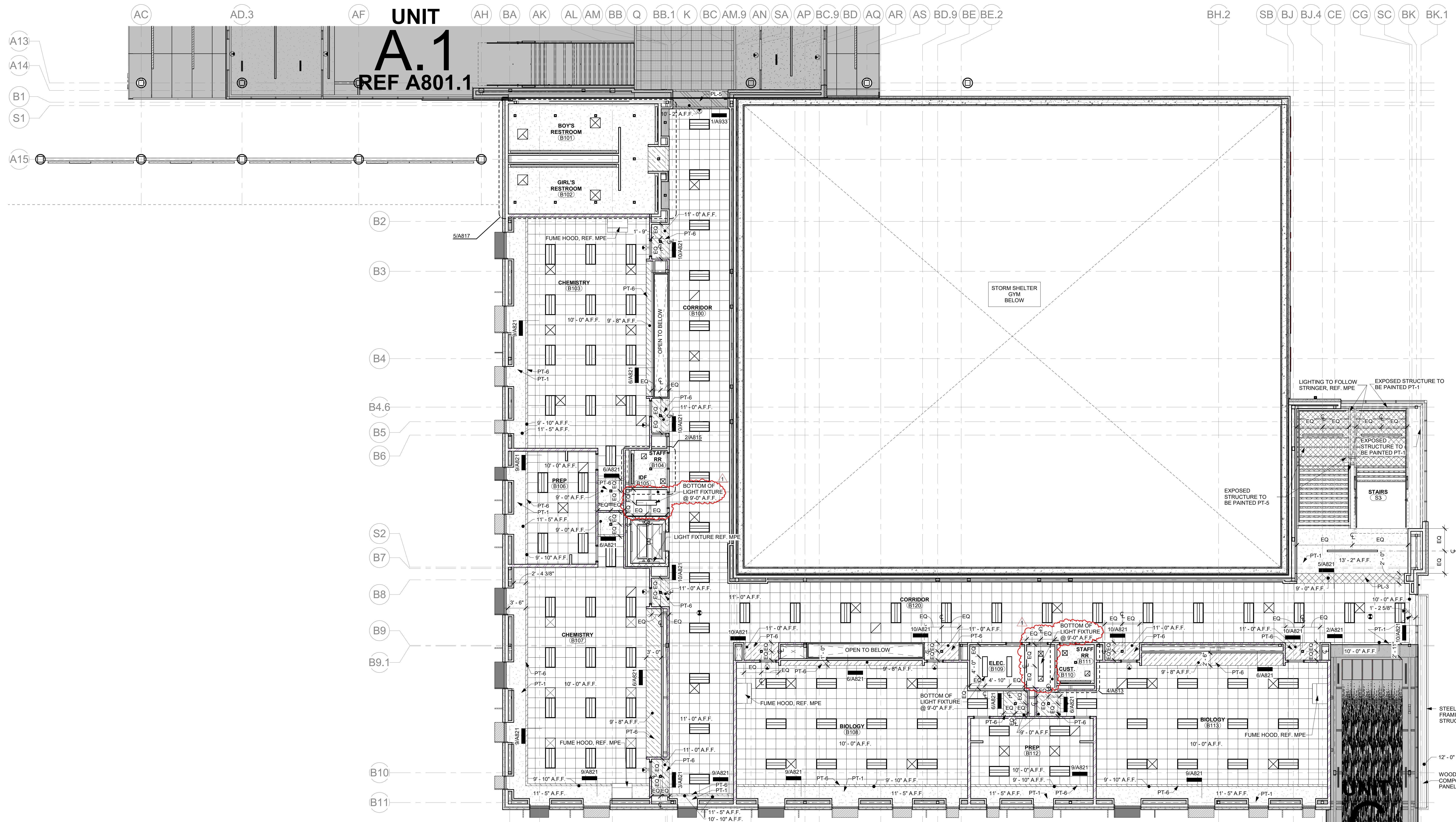
LC-1	
LC-2	

Reflected Ceiling Plan Legend

	1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC.		2' X 2' LAY-IN CEILING AND GRID
	PENDANT LIGHT FIXTURE REF. ELEC.		DOUBLE ACOUSTICAL CEILING, REF. 17/A821
	EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC.		2x2' NUBBY ABSORB LAY-IN CEILING AND GRID
	FLUSH LIGHT FIXTURE REF. ELEC.		2x2' VINYL FACED LAY-IN CEILING AND GRID
	2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.		2x2' 2' WELDED WIRE MESH CEILING
	SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC.		GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
	SQUARE CAN LIGHT FIXTURE - REF. ELEC.		TECTUM PANELS TYPICAL 4'x8'
	CEILING MOUNTED EXIT LIGHT - REF. ELEC.		X'X' A.F.F. CEILING HEIGHT ABOVE FINISH FLOOR
	SURFACE MOUNTED EXIT LIGHT - REF. ELEC.		H.V.A.C. DIFFUSER - REF. MECH.
	ROOF ACCESS HATCH		H.V.A.C. RETURN AIR GRILLE - REF. MECH.
	8' FIBERGLASS INSULATION ABOVE CEILING		H.V.A.C. EXHAUST GRILLE - REF. MECH.

NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS

NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT. COLOR, REF. RCP

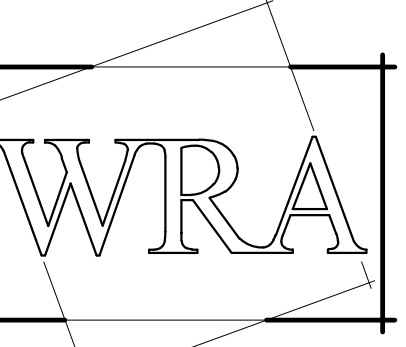


REVISION 17

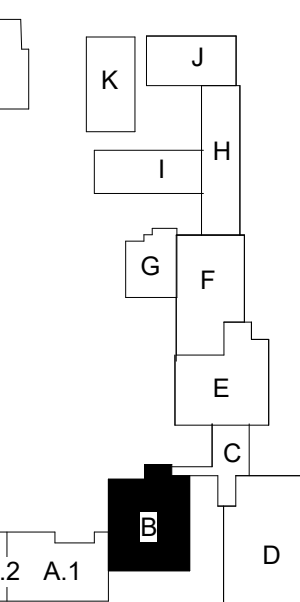
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1 Reflected Ceiling Plan - Level 1 Unit B
1/8" = 1'-0"





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	1	Addendum #1 09/19/24

JOB NO. 2399
DATE: 09/19/2024
RCP Level 2 Unit B

A805

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Wall Partition Rating Legend	
	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

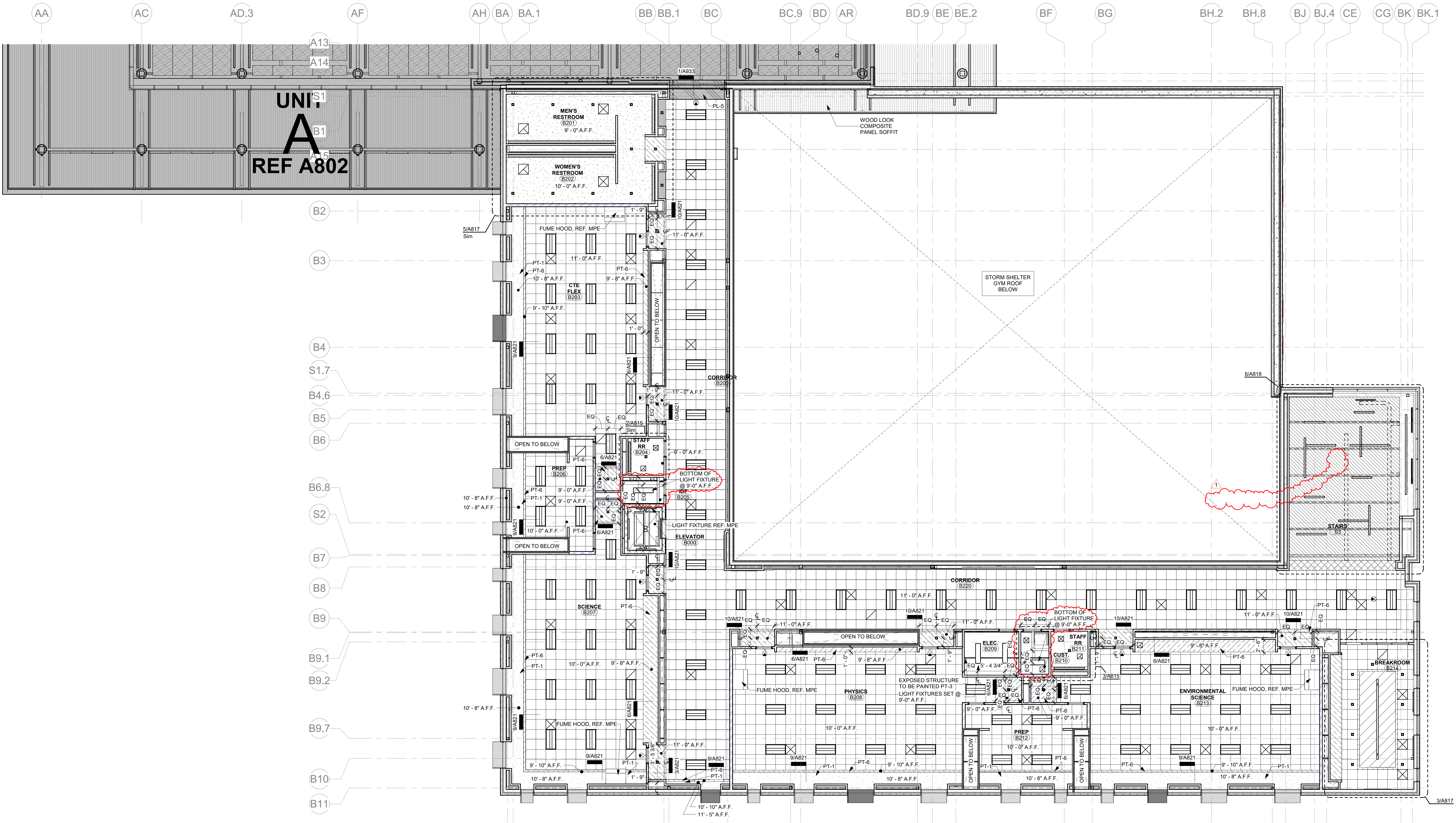
GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS

PAINT COLOR		ACOUSTIC WOOD FIBER PANEL COLOR		LINEAR CEILING	
PT-1		PT-1		LC-1	
PT-2		PT-2		LC-2	
PT-3		PT-3			
PT-4		WFP			
PT-5					
PT-6					
PT-7					
PT-8					
PT-9					
PT-10					
PT-11					

Reflected Ceiling Plan Legend			
	1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC.		2' X 2' LAY-IN CEILING AND GRID
	PENDANT LIGHT FIXTURE REF. ELEC.		DOUBLE ACOUSTICAL CEILING, REF. 17/A821
	EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC.		2x2' NUBBY ABSORB LAY-IN CEILING AND GRID
	FLUSH LIGHT FIXTURE REF. ELEC.		2x2' VINYL FACED LAY-IN CEILING AND GRID
	2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.		2x2' 2" WELDED WIRE MESH CEILING
	SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC.		GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
	SQUARE CAN LIGHT FIXTURE - REF. ELEC.		TECTUM PANELS TYPICAL 4'x8'
	CEILING MOUNTED EXIT LIGHT - REF. ELEC.		CEILING HEIGHT ABOVE FINISH FLOOR
	SURFACE MOUNTED EXIT LIGHT - REF. ELEC.		H.V.A.C. DIFFUSER - REF. MECH.
	ROOF ACCESS HATCH		H.V.A.C. RETURN AIR GRILLE - REF. MECH.
	8" FIBERGLASS INSULATION ABOVE CEILING		H.V.A.C. EXHAUST GRILLE - REF. MECH.

NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS

NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT COLOR, REF. RCP

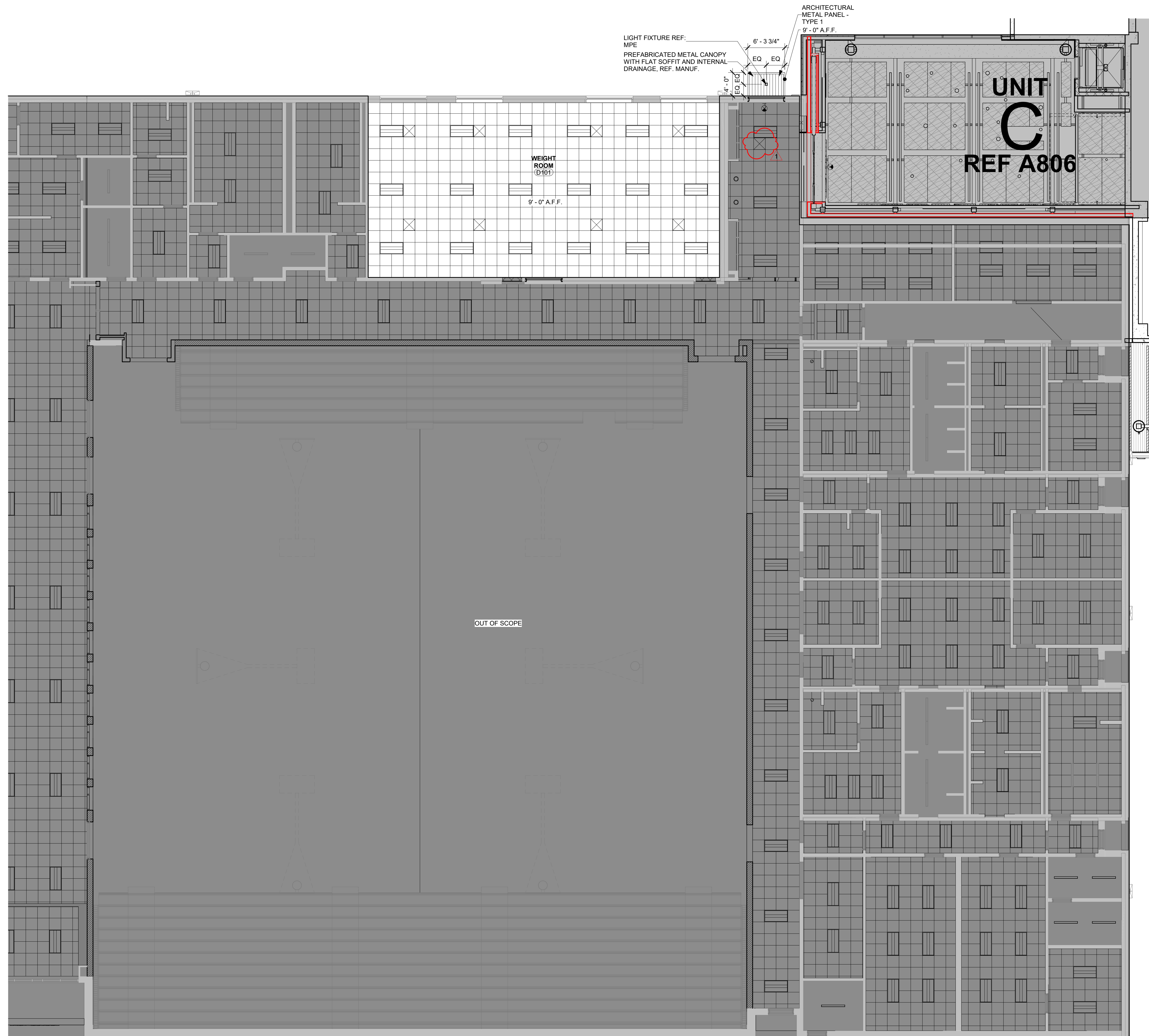


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1 Reflected Ceiling Plan - Level 2 Unit B
1/8" = 1'-0"

9/19/2024 2:26:30 PM



Reflected Ceiling Plan Legend

1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC.	2' X 2' LAY-IN CEILING AND GRID
PENDANT LIGHT FIXTURE REF. ELEC.	DOUBLE ACOUSTICAL CEILING, REF. 17/A821
EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC.	2x2' NUBBY ABSORB LAY-IN CEILING AND GRID
FLUSH LIGHT FIXTURE REF. ELEC.	2x2' VINYL FACED LAY-IN CEILING AND GRID
2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.	2x2' 2" WELDED WIRE MESH CEILING
SQUARE CAN LIGHT FIXTURE - REF. ELEC.	GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
CEILING MOUNTED EXIT LIGHT - REF. ELEC.	TECTUM PANELS TYPICAL 4'x8'
SURFACE MOUNTED EXIT LIGHT - REF. ELEC.	CEILING HEIGHT ABOVE FINISH FLOOR
ROOF ACCESS HATCH	H.V.A.C. DIFFUSER - REF. MECH.
8" FIBERGLASS INSULATION ABOVE CEILING	H.V.A.C. RETURN AIR GRILLE - REF. MECH.
	H.V.A.C. EXHAUST GRILLE - REF. MECH.

NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS

NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT COLOR, REF. RCP

Wall Partition Rating Legend

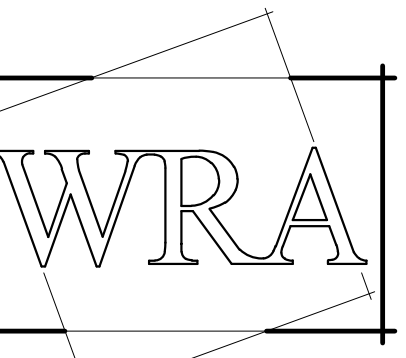
	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

PAINT COLOR	ACOUSTIC WOOD FIBER PANEL COLOR	LINEAR CEILING
PT-1	PT-1	LC-1
PT-2	PT-2	LC-2
PT-3	PT-3	
PT-4	WFP	
PT-5		
PT-6		
PT-7	AB-1	
PT-8	AB-2	
PT-9	AB-3	
PT-10		
PT-11		

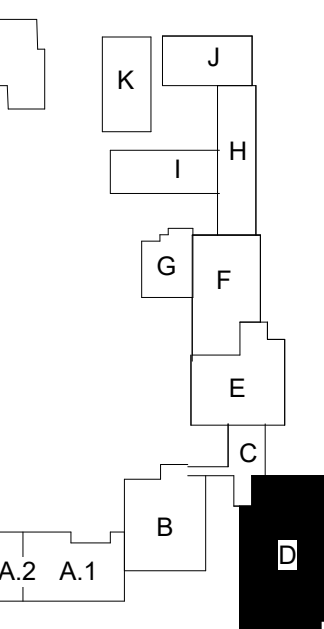
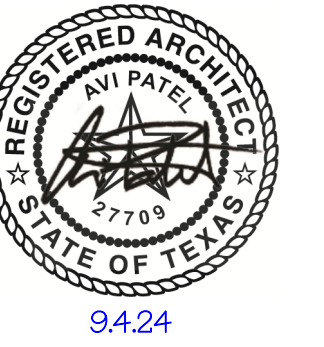
ACOUSTICAL BAFFELS

GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS

Alternate #5
Base Bid: Arkura panels in skybridge to be bid.
Deduct Alternate Bid: Remove the Speciality light fixture (Arkura ceilings) at Unit C Skybridge. See 2/A807 for alternate layout.



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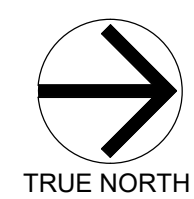
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JOB NO. 2359
DATE: 09/19/2024

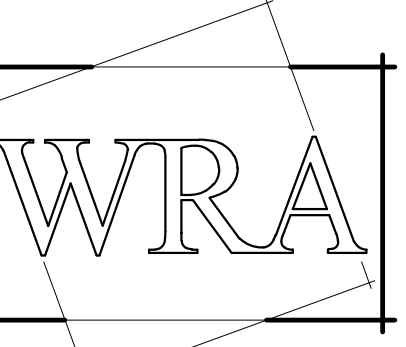
RCP Level 0 Unit D

A808

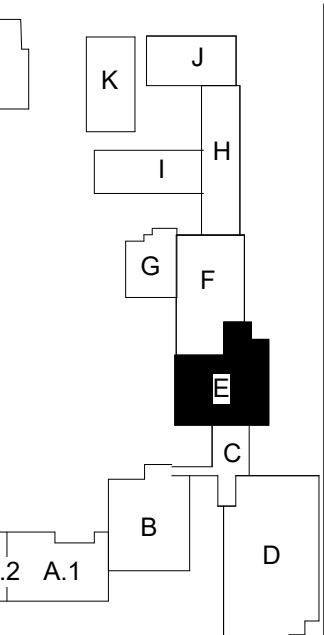
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1 Reflected Ceiling Plan - Level 0.5 - Unit D
1/8" = 1'-0"



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REVISIONS:	
No.	Date
1	Addendum #1 09/19/2024

JOB NO.	2399
DATE:	09/19/2024
RCP Level 0.5 Unit E	

A809

Reflected Ceiling Plan Legend

NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS

NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT. COLOR, REF. RCP

Wall Partition Rating Legend

	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

PAINT COLOR	ACOUSTIC WOOD FIBER PANEL COLOR	LINEAR CEILING

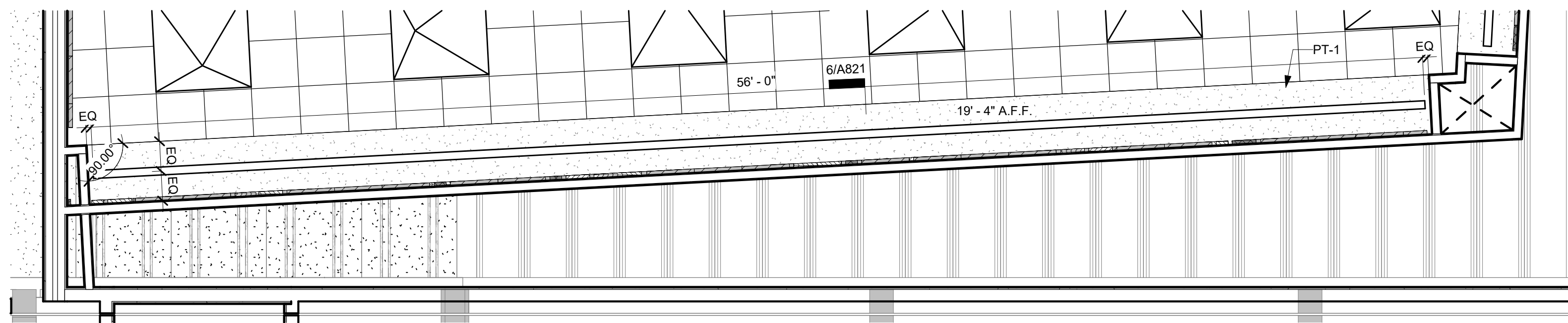
GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS



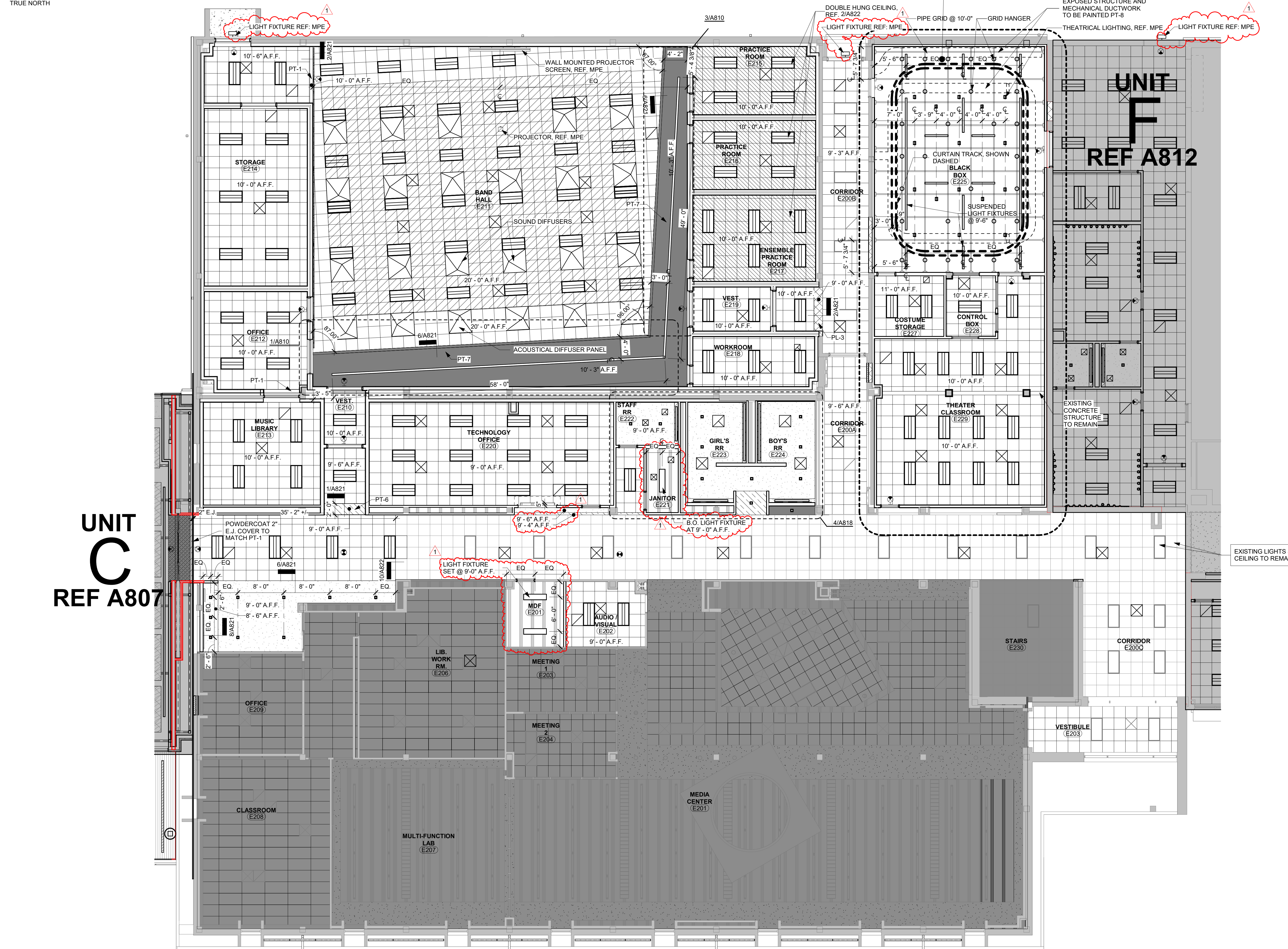
UNIT C
REF A806



1 Reflected Ceiling plan - Level 0.5 - Unit E
1/8" = 1'-0"



1 Enlarged RCP - Level 1 - Unit E - Bandhall E211 - Soffit A
1/4" = 1'-0"



2 Reflected Ceiling Plan - Level 1 - Unit E
1/8" = 1'-0"

GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS

Alternate #1
Base Bid: Existing to Remain
Add Alternate Bid: Add renovation scope of Theater spaces (Black box, Theater CR, Dressing rooms and affiliated rooms).

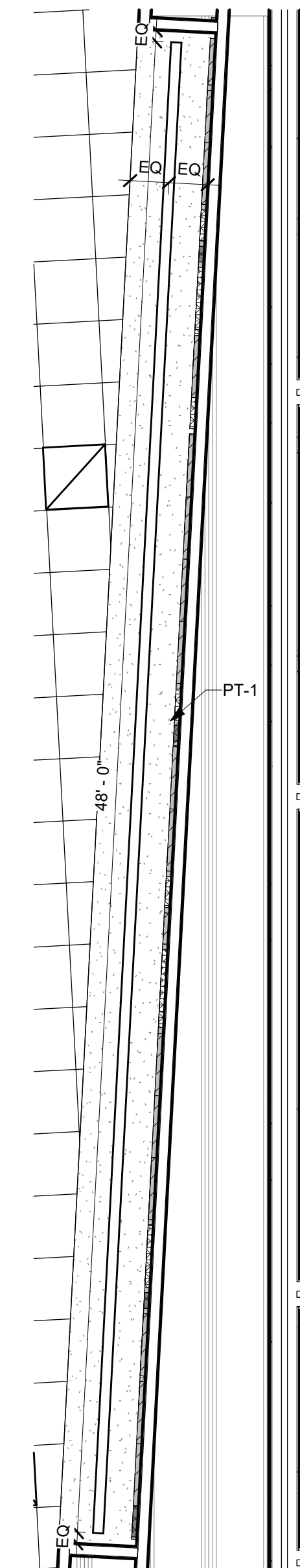
Reflected Ceiling Plan Legend

- | | |
|--|--|
| 1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC. | 2' X 2' LAY-IN CEILING AND GRID |
| PENDANT LIGHT FIXTURE REF. ELEC. | DOUBLE ACOUSTICAL CEILING, REF. 17/A821 |
| EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC. | 2'X2' NUBBY ABSORB LAY-IN CEILING AND GRID |
| FLUSH LIGHT FIXTURE REF. ELEC. | 2'X2' VINYL FACED LAY-IN CEILING AND GRID |
| 2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC. | 2'X2' 2" WELDED WIRE MESH CEILING |
| SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC. | GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT |
| SQUARE CAN LIGHT FIXTURE - REF. ELEC. | TECTUM PANELS TYPICAL 4'x8' |
| CEILING MOUNTED EXIT LIGHT - REF. ELEC. | CEILING HEIGHT ABOVE FINISH FLOOR |
| SURFACE MOUNTED EXIT LIGHT - REF. ELEC. | H.V.A.C. DIFFUSER - REF. MECH. |
| ROOF ACCESS HATCH | H.V.A.C. RETURN AIR GRILLE - REF. MECH. |
| 8" FIBERGLASS INSULATION ABOVE CEILING | H.V.A.C. EXHAUST GRILLE - REF. MECH. |
- NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS
- NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT COLOR, REF. RCP

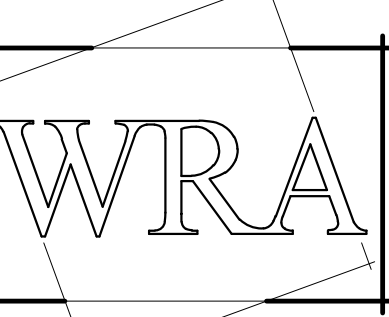
Wall Partition Rating Legend

- | | |
|--------------|-----------------------|
| [White Box] | UNRATED ASSEMBLY |
| [Orange Box] | 1 HOUR RATED ASSEMBLY |
| [Red Box] | 2 HOUR RATED ASSEMBLY |
| [Blue Box] | SMOKE RATED ASSEMBLY |

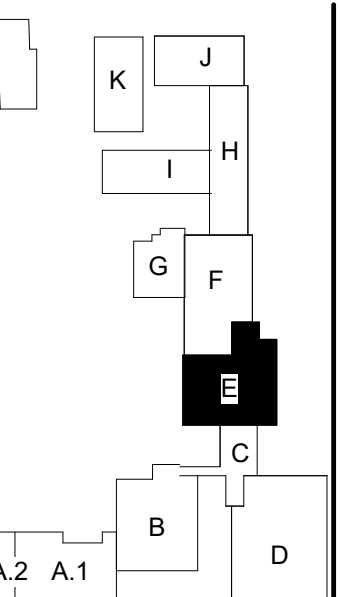
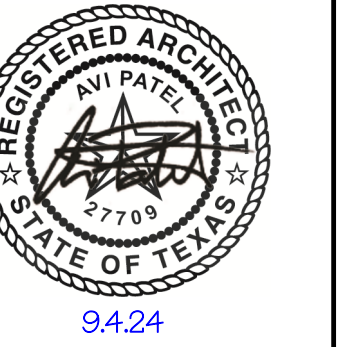
- | | | |
|--------------------|--|-----------------------|
| PAINT COLOR | ACOUSTIC WOOD FIBER PANEL COLOR | LINEAR CEILING |
| PT-1 | PT-1 | LC-1 |
| PT-2 | PT-2 | LC-2 |
| PT-3 | PT-3 | |
| PT-4 | WFP | |
| PT-5 | | |
| PT-6 | | |
| PT-7 | | |
| PT-8 | | |
| PT-9 | | |
| PT-10 | | |
| PT-11 | | |
- ACOUSTICAL BAFFLES**
- | | |
|------|--|
| AB-1 | |
| AB-2 | |
| AB-3 | |



3 Enlarged RCP - Level 1 - Unit E - Bandhall E211 - Soffit B
1/4" = 1'-0"



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Castleberry ISD High School Addn.
215 CHURCHILL ROAD, FORT WORTH, TEXAS - 76114

REVISIONS:	No.	Date
	1	09/19/2024
	Addendum #1	

JOB NO.	2359
DATE:	09/19/2024

RCP Level 1 Unit E

A810

GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS

Reflected Ceiling Plan Legend

1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC.	2' X 2' LAY-IN CEILING AND GRID
PENDANT LIGHT FIXTURE REF. ELEC.	DOUBLE ACOUSTICAL CEILING, REF. 17/A821
EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC.	2x2' NUBBY ABSORB LAY-IN CEILING AND GRID
FLUSH LIGHT FIXTURE REF. ELEC.	2x2' VINYL FACED LAY-IN CEILING AND GRID
2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.	2x2' 2" WELDED WIRE MESH CEILING
SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC.	GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
SQUARE CAN LIGHT FIXTURE - REF. ELEC.	TECTUM PANELS TYPICAL 4x8'
CEILING MOUNTED EXIT LIGHT - REF. ELEC.	$\overline{\text{---}}$ CEILING HEIGHT ABOVE FINISH FLOOR
SURFACE MOUNTED EXIT LIGHT - REF. ELEC.	H.V.A.C. DIFFUSER - REF. MECH.
ROOF ACCESS HATCH	H.V.A.C. RETURN AIR GRILLE - REF. MECH.
8' FIBERGLASS INSULATION ABOVE CEILING	H.V.A.C. EXHAUST GRILLE - REF. MECH.

NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS

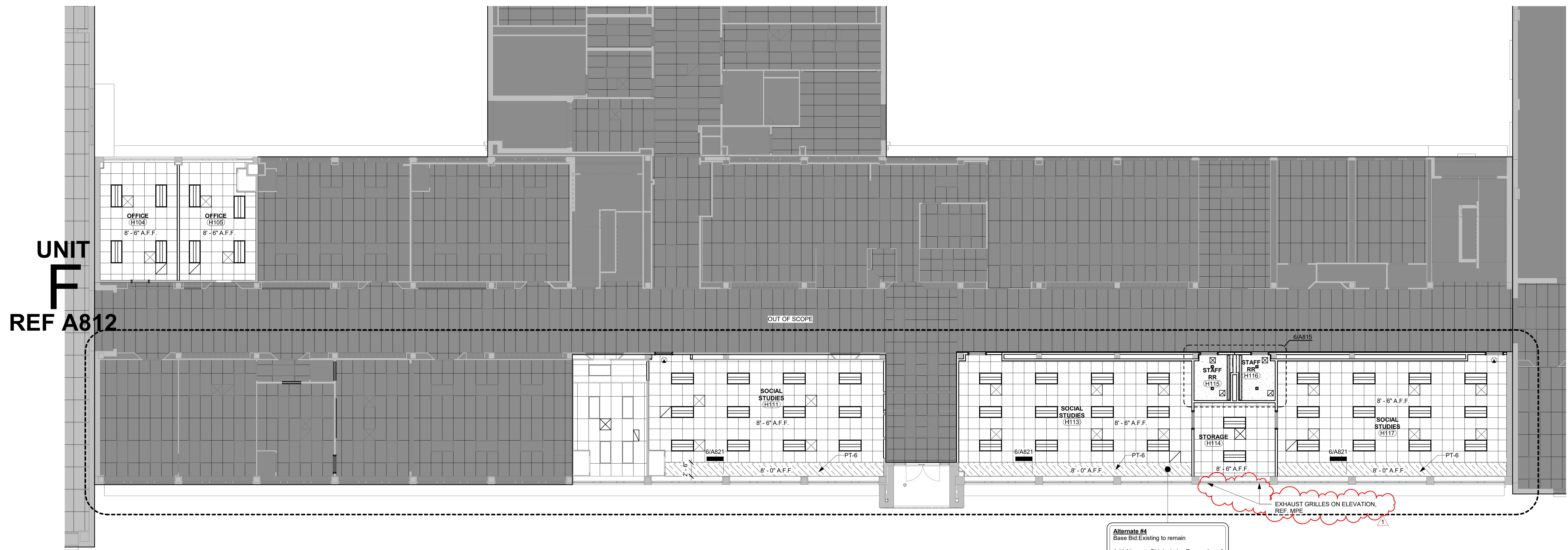
NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT COLOR, REF. RCP

Wall Partition Rating Legend

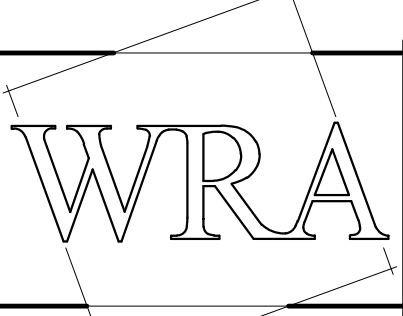
	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

PAINT COLOR ACOUSTIC WOOD FIBER PANEL COLOR LINEAR CEILING

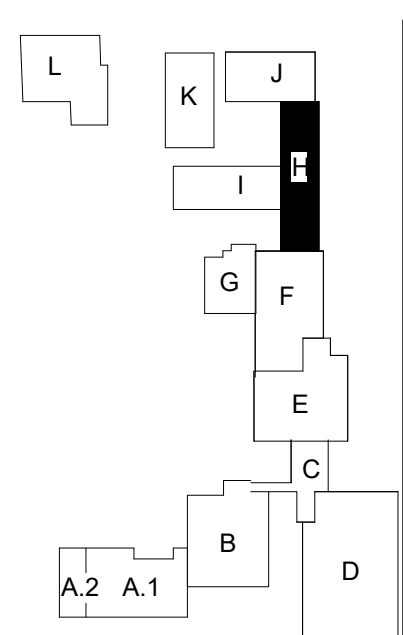
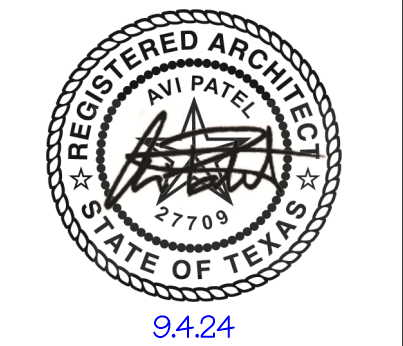
	PT-1		PT-1		LC-1
	PT-2		PT-2		LC-2
	PT-3		PT-3		
	PT-4		WFP		
	PT-5				
	PT-6				
	PT-7		AB-1		
	PT-8		AB-2		
	PT-9		AB-3		
	PT-10				
	PT-11				



Alternate #4
Base Bid: Existing to remain
Add Alternate Bid: Includes Renovation of 1955 Wing (Unit H)



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REVISIONS:

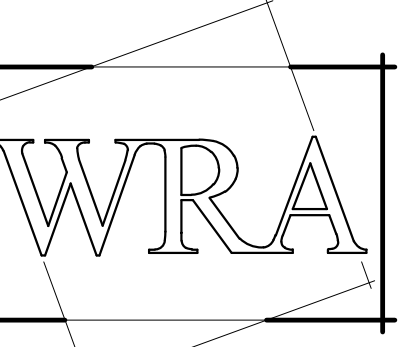
No.	Date
1	09/19/24
Addendum #1	

JOB NO.	2359
DATE:	09/19/2024
RCP Level 1.5 Unit H	

A812
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9/19/2024 2:26:41 PM

1 Reflected Ceiling Plan - Level 1.5 - Unit H
1/8" = 1'-0"



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No.	Date
1	09/19/2024
Addendum #1	

JOB NO.	2399
DATE:	09/19/2024
Enlarged RCPs	

A815

Reflected Ceiling Plan Legend

	1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC.		2' X 2' LAY-IN CEILING AND GRID
	PENDANT LIGHT FIXTURE REF. ELEC.		DOUBLE ACOUSTICAL CEILING, REF. 17/A821
	EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC.		2x2' NUBBY ABSORBER LAY-IN CEILING AND GRID
	FLUSH LIGHT FIXTURE REF. ELEC.		2x2' VINYL FACED LAY-IN CEILING AND GRID
	2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.		2x2' WELDED WIRE MESH CEILING
	SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC.		GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
	SQUARE CAN LIGHT FIXTURE - REF. ELEC.		TECTUM PANELS TYPICAL 4'x8'
	CEILING MOUNTED EXIT LIGHT - REF. ELEC.		CEILING HEIGHT ABOVE FINISH FLOOR
	SURFACE MOUNTED EXIT LIGHT - REF. ELEC.		H.V.A.C. DIFFUSER - REF. MECH.
	ROOF ACCESS HATCH		H.V.A.C. RETURN AIR GRILLE - REF. MECH.
	6" FIBERGLASS INSULATION ABOVE CEILING		H.V.A.C. EXHAUST GRILLE - REF. MECH.

NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS

NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT COLOR, REF. RCP

Wall Partition Rating Legend

	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

PAINT COLOR

	PT-1
	PT-2
	PT-3
	PT-4
	PT-5
	PT-6
	PT-7
	PT-8
	PT-9
	PT-10
	PT-11

ACOUSTIC WOOD FIBER PANEL COLOR

	PT-1
	PT-2
	PT-3
	WFP

ACOUSTICAL BAFFLES

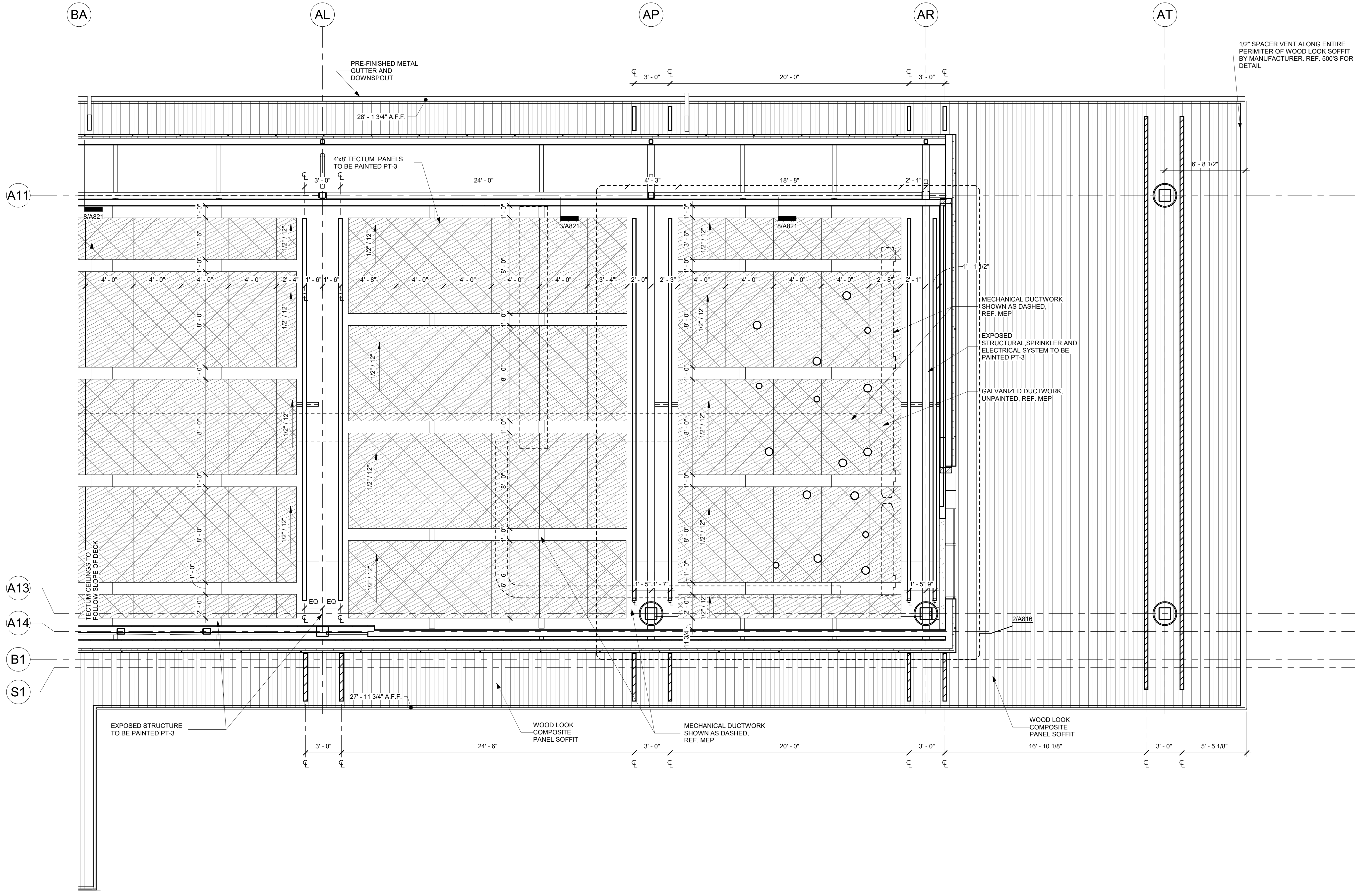
	AB-1
	AB-2
	AB-3

LINEAR CEILING

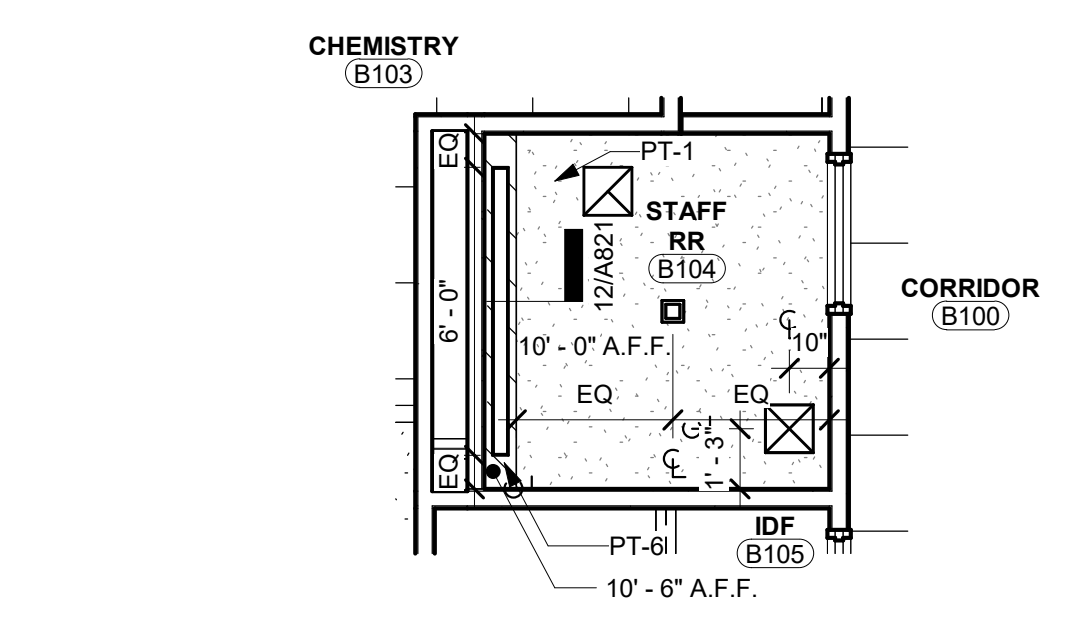
	LC-1
	LC-2

GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS

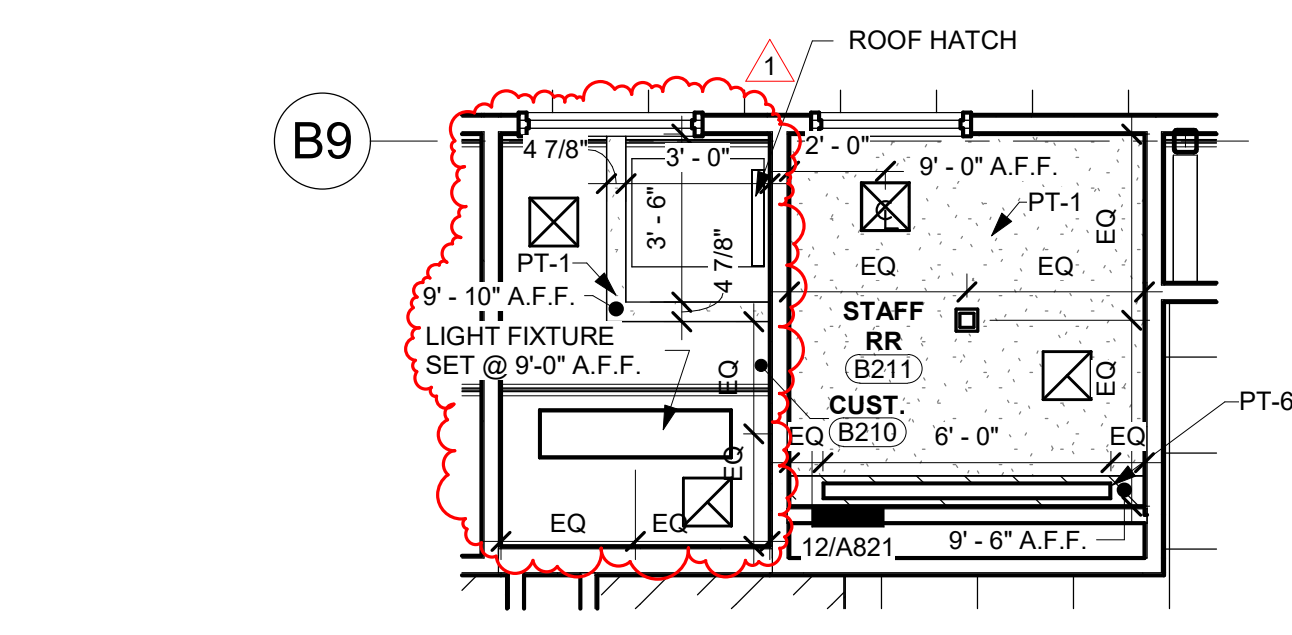
Alternate #4
Base Bid Existing to remain
Add Alternate Bid: Includes Renovation of 1958 Wing (Unit H)



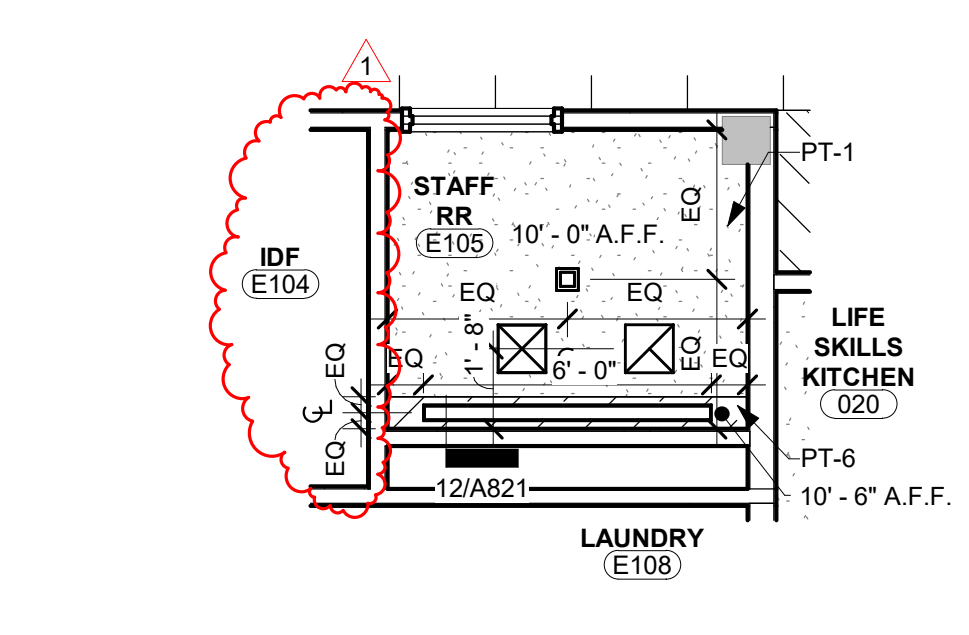
1 Enlarged RCP - Level 2 Unit A.1 - Corridor - Soffit B
1/4" = 1'-0"



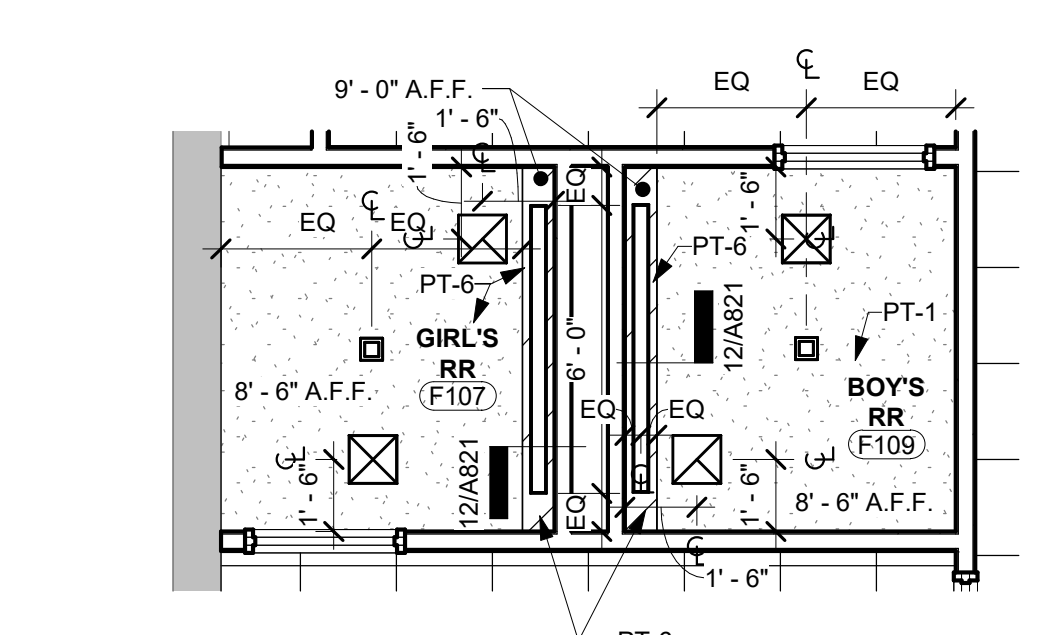
2 Enlarged RCP - Level 1 Unit B - RR - B104
1/4" = 1'-0"



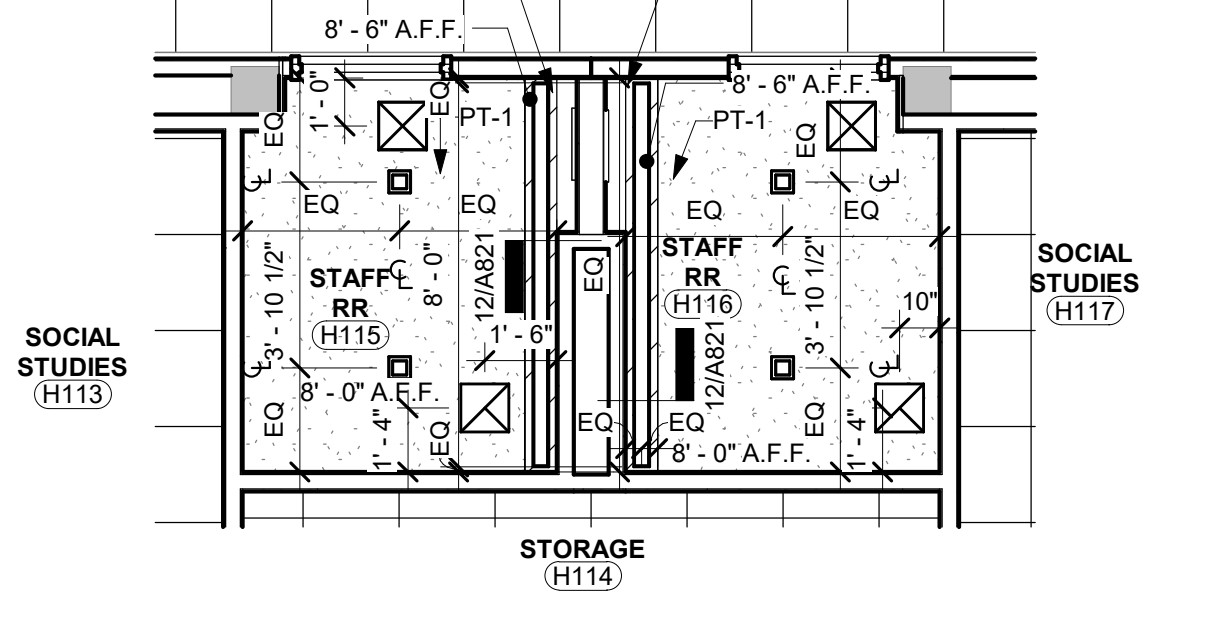
3 Reflected Ceiling Plan - Level 2 Unit B - Staff RR & Cust.
1/4" = 1'-0"



4 Enlarged RCP - Level 0.5 Unit E - Staff RR - E105
1/4" = 1'-0"



5 Enlarged RCP - Level 1.5 Unit F - RR - F107, F109
1/4" = 1'-0"



6 Enlarged RCP - Level 1.5 Unit H - RR - H115, H116
1/4" = 1'-0"

Wall Partition Rating Legend

	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS

PAINT COLOR

PT-1	
PT-2	
PT-3	
PT-4	
PT-5	
PT-6	
PT-7	
PT-8	
PT-9	
PT-10	
PT-11	

ACOUSTIC WOOD FIBER PANEL COLOR

PT-1	
PT-2	
PT-3	
PT-4	
WFP	

ACOUSTICAL BAFFLES

AB-1	
AB-2	
AB-3	

LINEAR CEILING

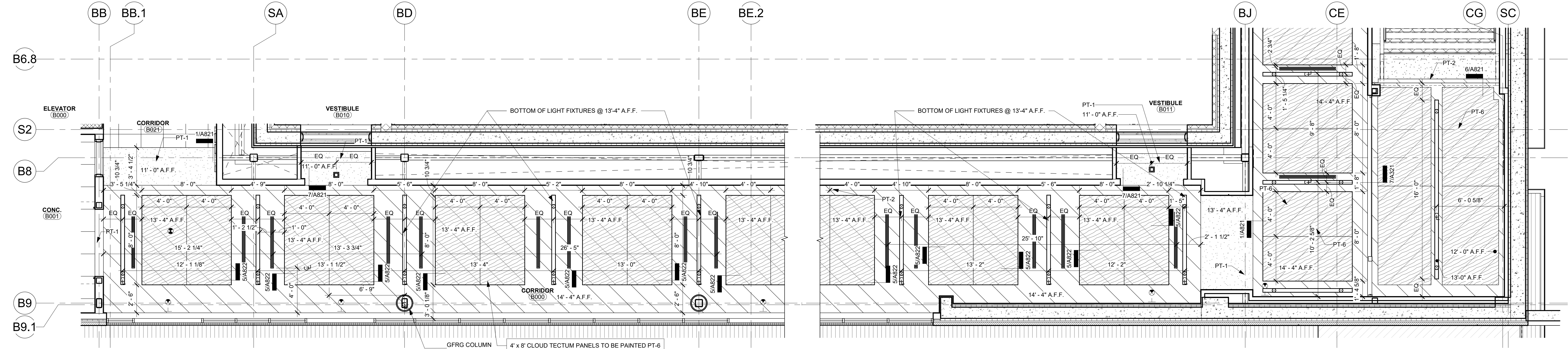
LC-1	
LC-2	

Reflected Ceiling Plan Legend

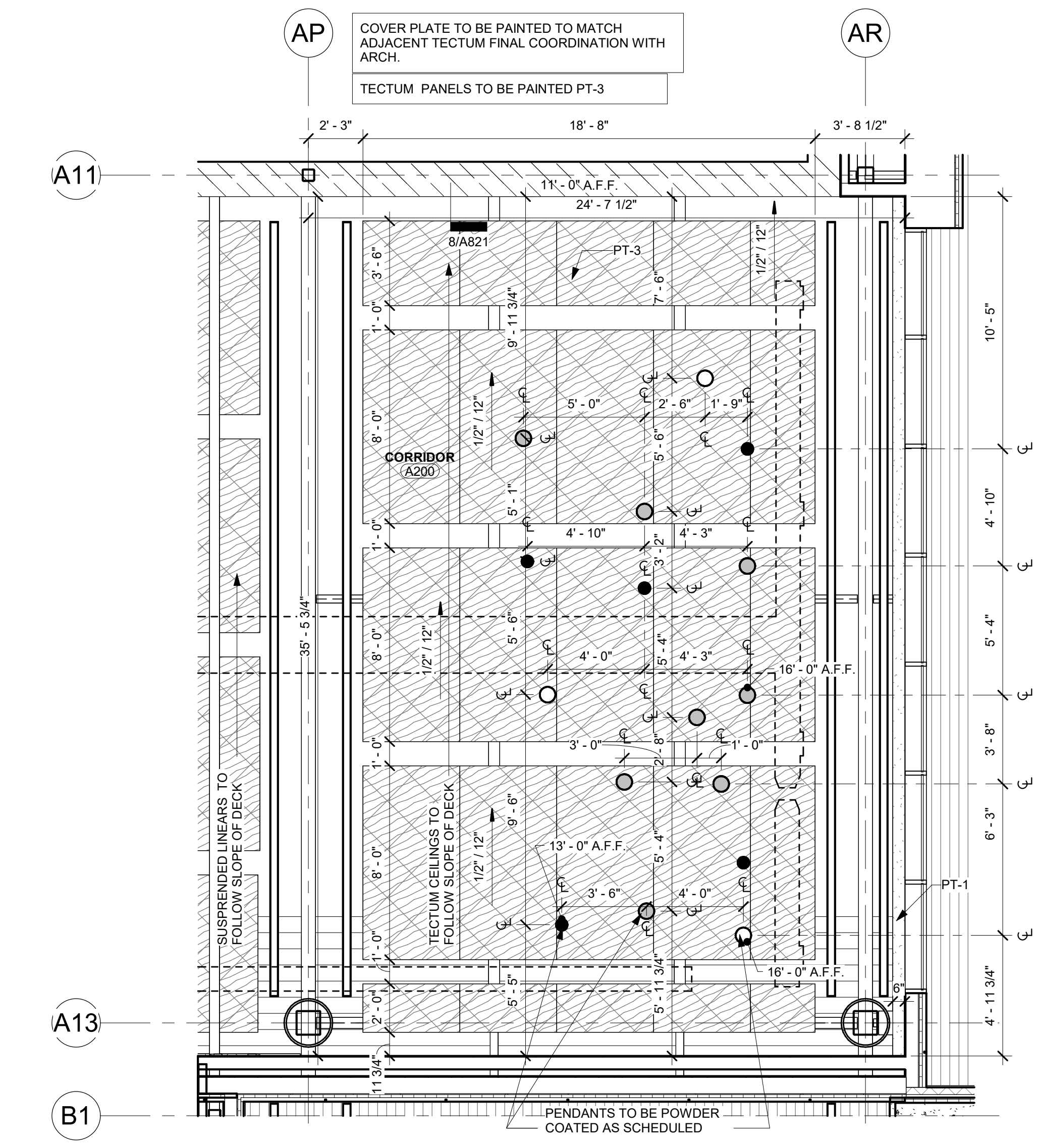
	1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC.		2' X 2' LAY-IN CEILING AND GRID
	PENDANT LIGHT FIXTURE REF. ELEC.		DOUBLE ACOUSTICAL CEILING, REF. 17/A821
	EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC.		2' X 2' NUBBY ABSORB LAY-IN CEILING AND GRID
	FLUSH LIGHT FIXTURE REF. ELEC.		2' X 2' VINYL FACED LAY-IN CEILING AND GRID
	2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.		2' X 2' WELDED WIRE MESH CEILING
	SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC.		GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
	SQUARE CAN LIGHT FIXTURE - REF. ELEC.		TECTUM PANELS TYPICAL 4'x8'
	CEILING MOUNTED EXIT LIGHT - REF. ELEC.		X'X'X' A.F.F. CEILING HEIGHT ABOVE FINISH FLOOR
	SURFACE MOUNTED EXIT LIGHT - REF. ELEC.		H.V.A.C. DIFFUSER - REF. MECH.
	ROOF ACCESS HATCH		H.V.A.C. RETURN AIR GRILLE - REF. MECH.
	8" FIBERGLASS INSULATION ABOVE CEILING		H.V.A.C. EXHAUST GRILLE - REF. MECH.

NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS

NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT COLOR, REF. RCP



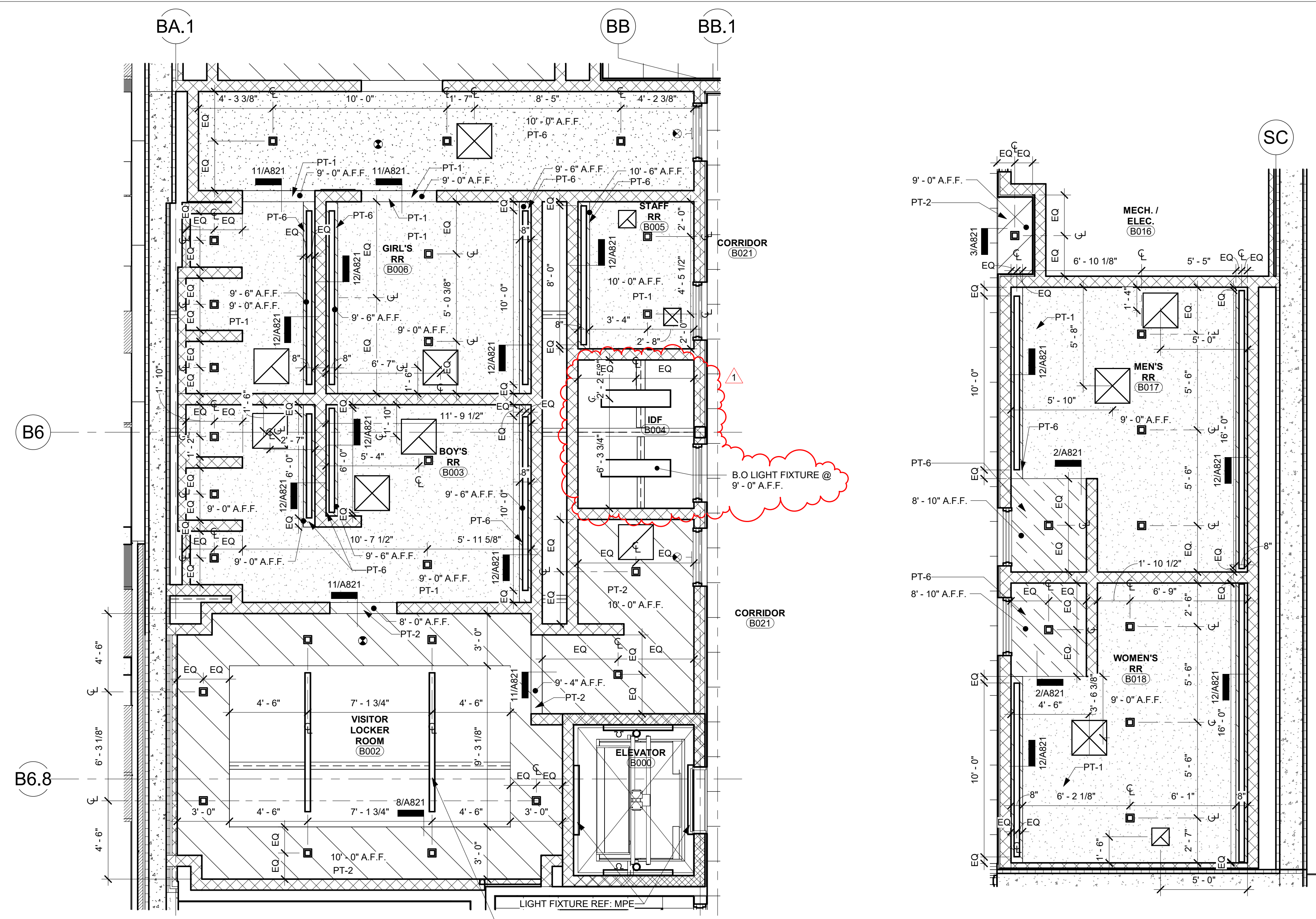
1 Enlarged RCP - Level 0 Unit B - Corridor - B000
1/4" = 1'-0"



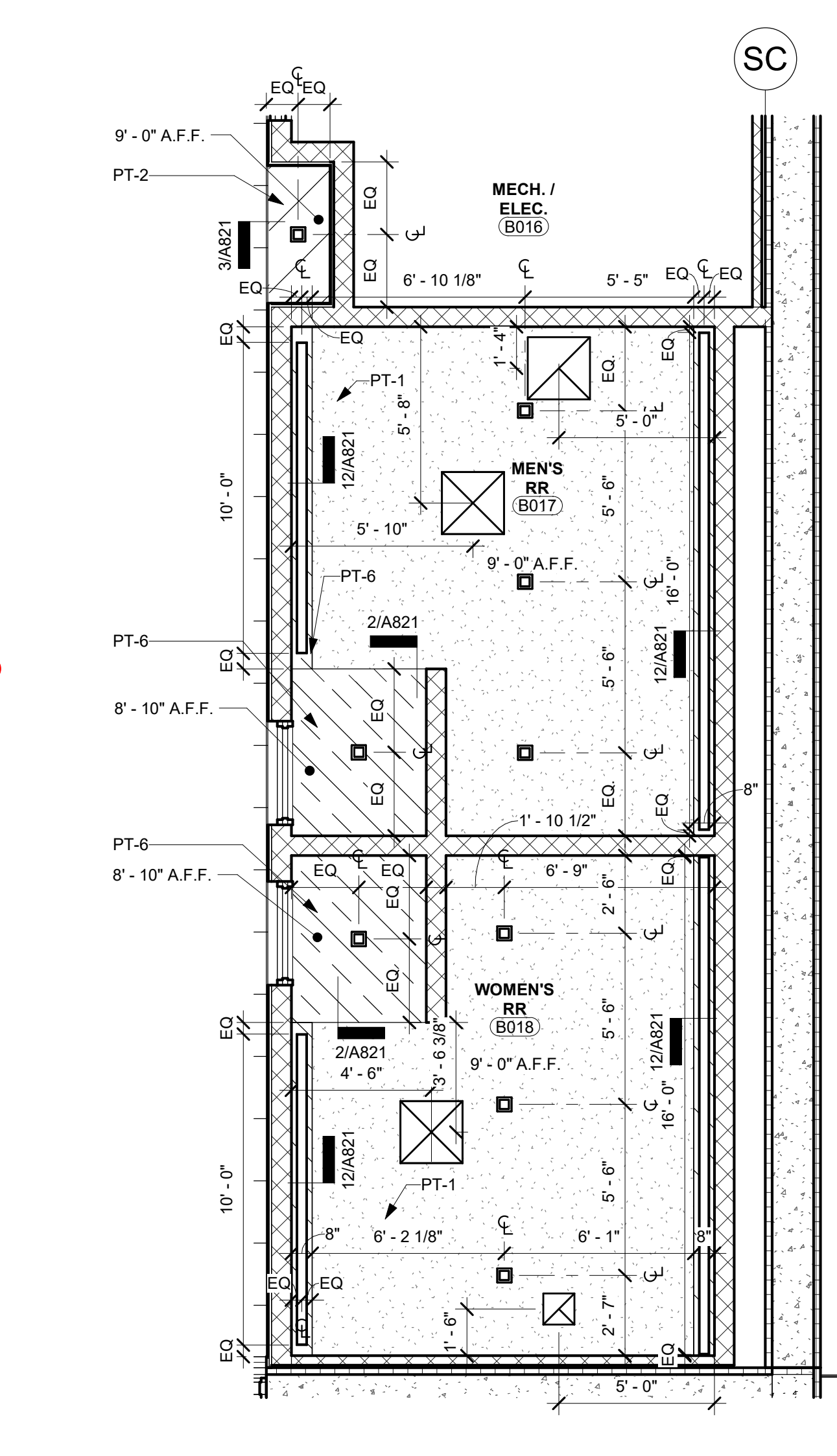
2 Enlarged RCP - Level 2 Unit A.1 - Corridor - A200
1/4" = 1'-0"

PAINT COLOR

PT-5	
PT-6	
PT-7	

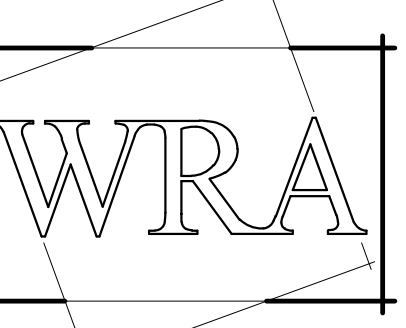


3 Enlarged RCP - Level 0 Unit B - RR & Locker Rooms
1/4" = 1'-0"



4 Enlarged RCP - Level 0 Unit B - RR - B017, B018
1/4" = 1'-0"

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Date	09/19/2024
Enlarged RCPs	
A816	
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Reflected Ceiling Plan Legend

	1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC.		2' X 2' LAY-IN CEILING AND GRID
	PENDANT LIGHT FIXTURE REF. ELEC.		DOUBLE ACOUSTICAL CEILING, REF. 17/A821
	EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC.		2x2' NUBBY ABSORB LAY-IN CEILING AND GRID
	FLUSH LIGHT FIXTURE REF. ELEC.		2x2' VINYL FACED LAY-IN CEILING AND GRID
	2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.		2x2' 2" WELDED WIRE MESH CEILING
	SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC.		GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
	SQUARE CAN LIGHT FIXTURE - REF. ELEC.		TECTUM PANELS TYPICAL 4'x8'
	CEILING MOUNTED EXIT LIGHT - REF. ELEC.		CEILING HEIGHT ABOVE FINISH FLOOR
	SURFACE MOUNTED EXIT LIGHT - REF. ELEC.		H.V.A.C. DIFFUSER - REF. MECH.
	ROOF ACCESS HATCH		H.V.A.C. RETURN AIR GRILLE - REF. MECH.
	8" FIBERGLASS INSULATION ABOVE CEILING		H.V.A.C. EXHAUST GRILLE - REF. MECH.

NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS

NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT COLOR, REF. RCP

Wall Partition Rating Legend

	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

PAINT COLOR

	PT-1
	PT-2
	PT-3
	PT-4
	PT-5
	PT-6
	PT-7
	PT-8
	PT-9
	PT-10
	PT-11

ACOUSTIC WOOD FIBER PANEL COLOR

	PT-1
	PT-2
	PT-3
	WFP

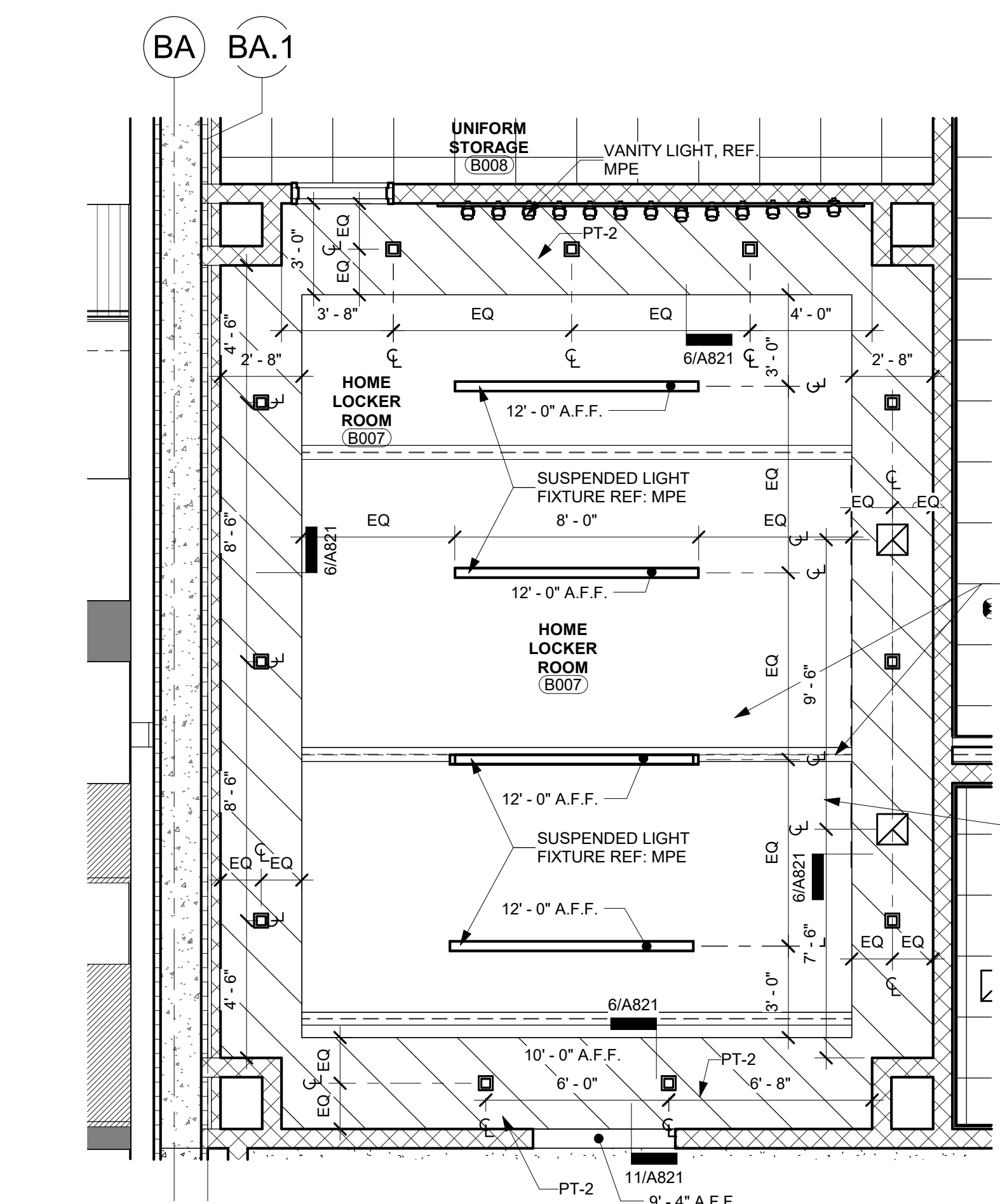
ACOUSTICAL BAFFLES

	AB-1
	AB-2
	AB-3

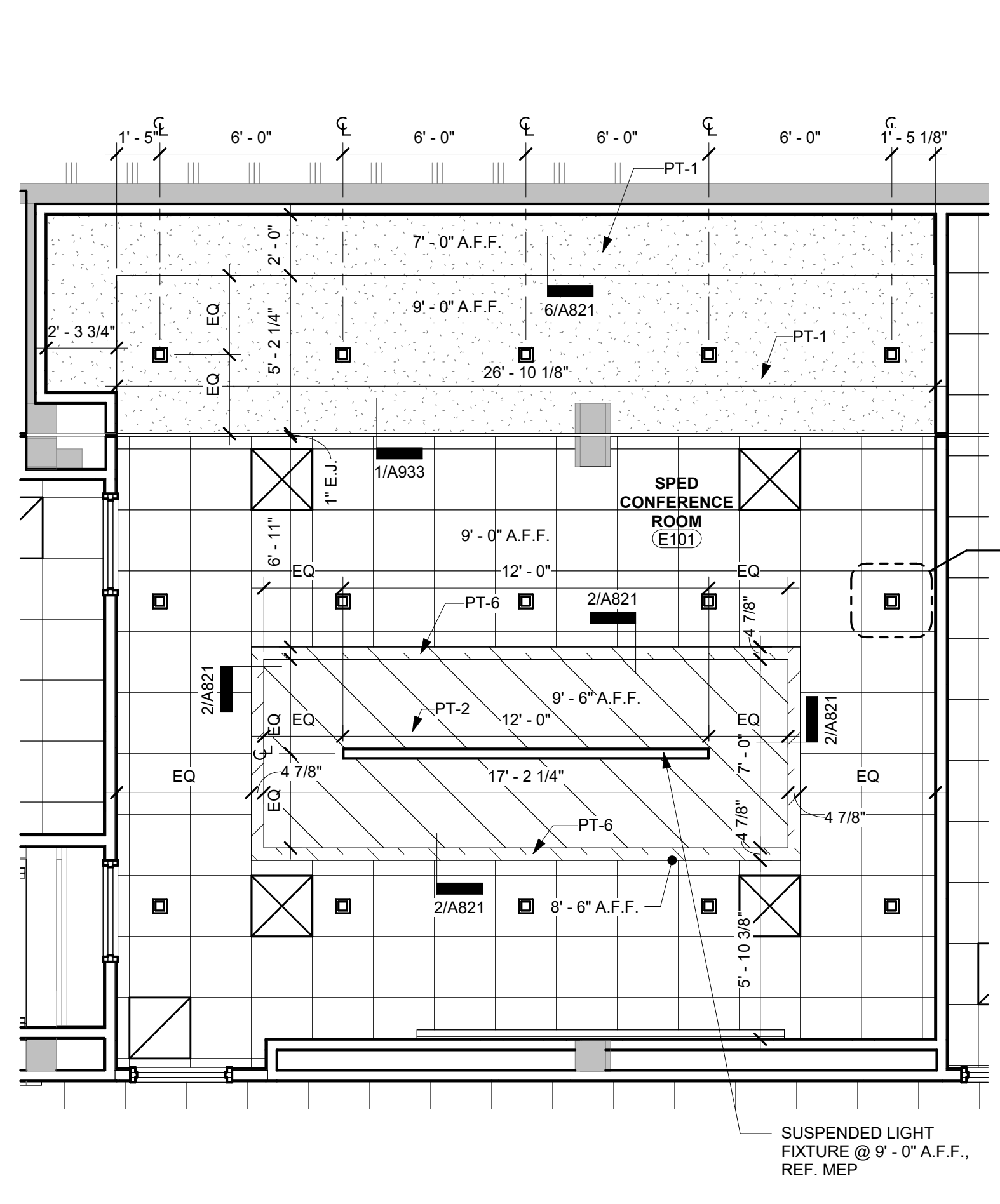
LINEAR CEILING

	LC-1
	LC-2

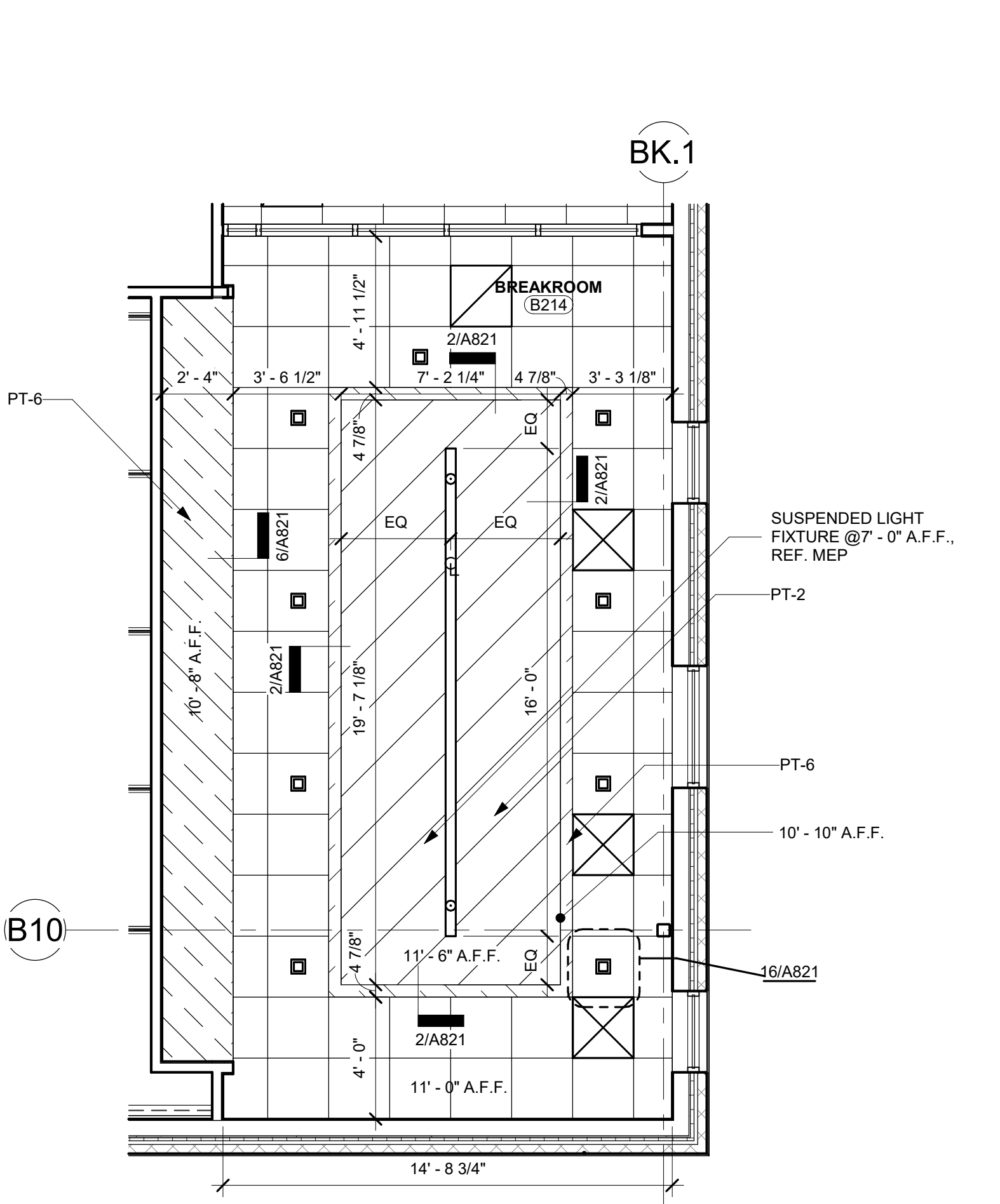
GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS



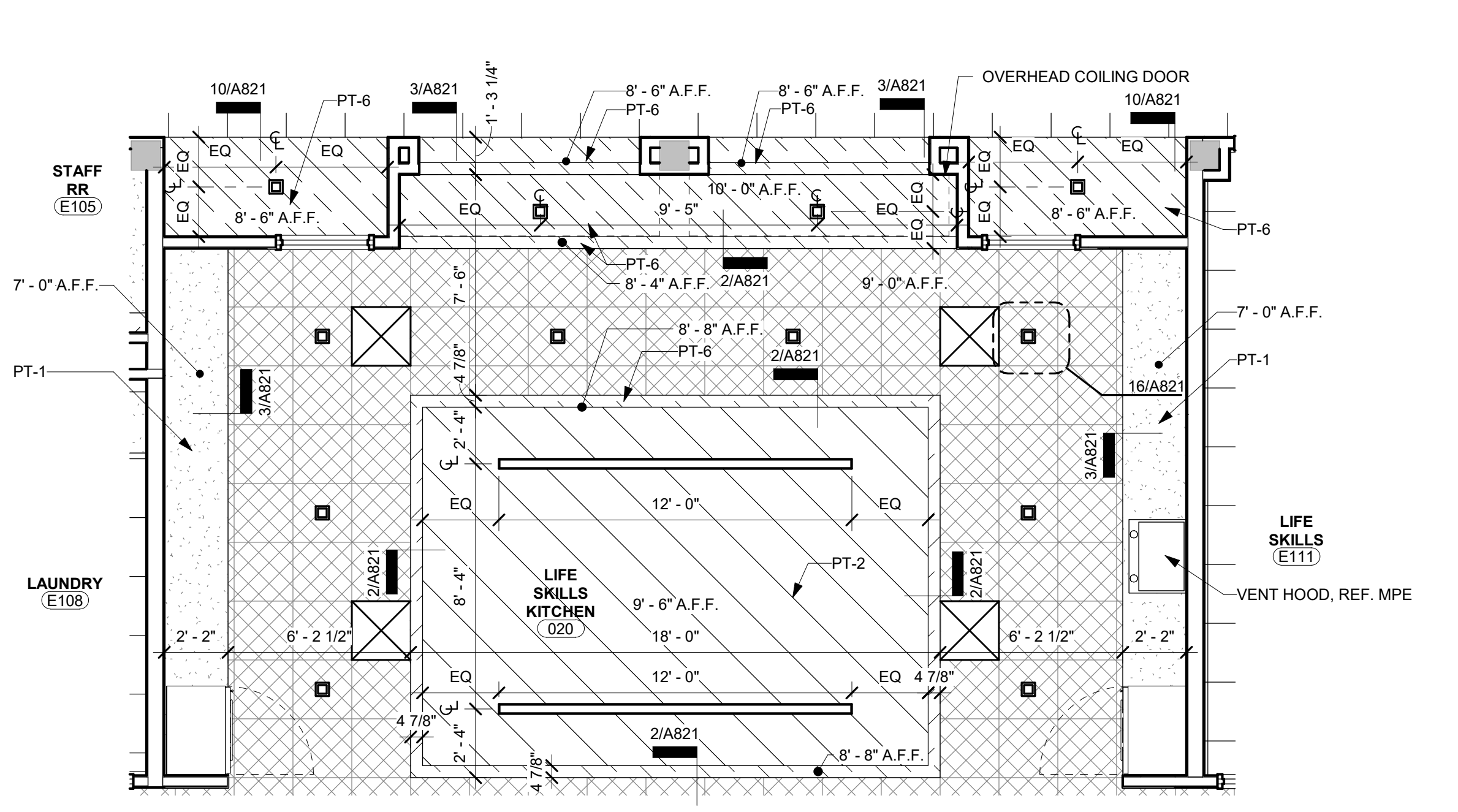
1 Enlarged RCP - Level 0 Unit B - Home Locker Room - B007
1/4" = 1'-0"



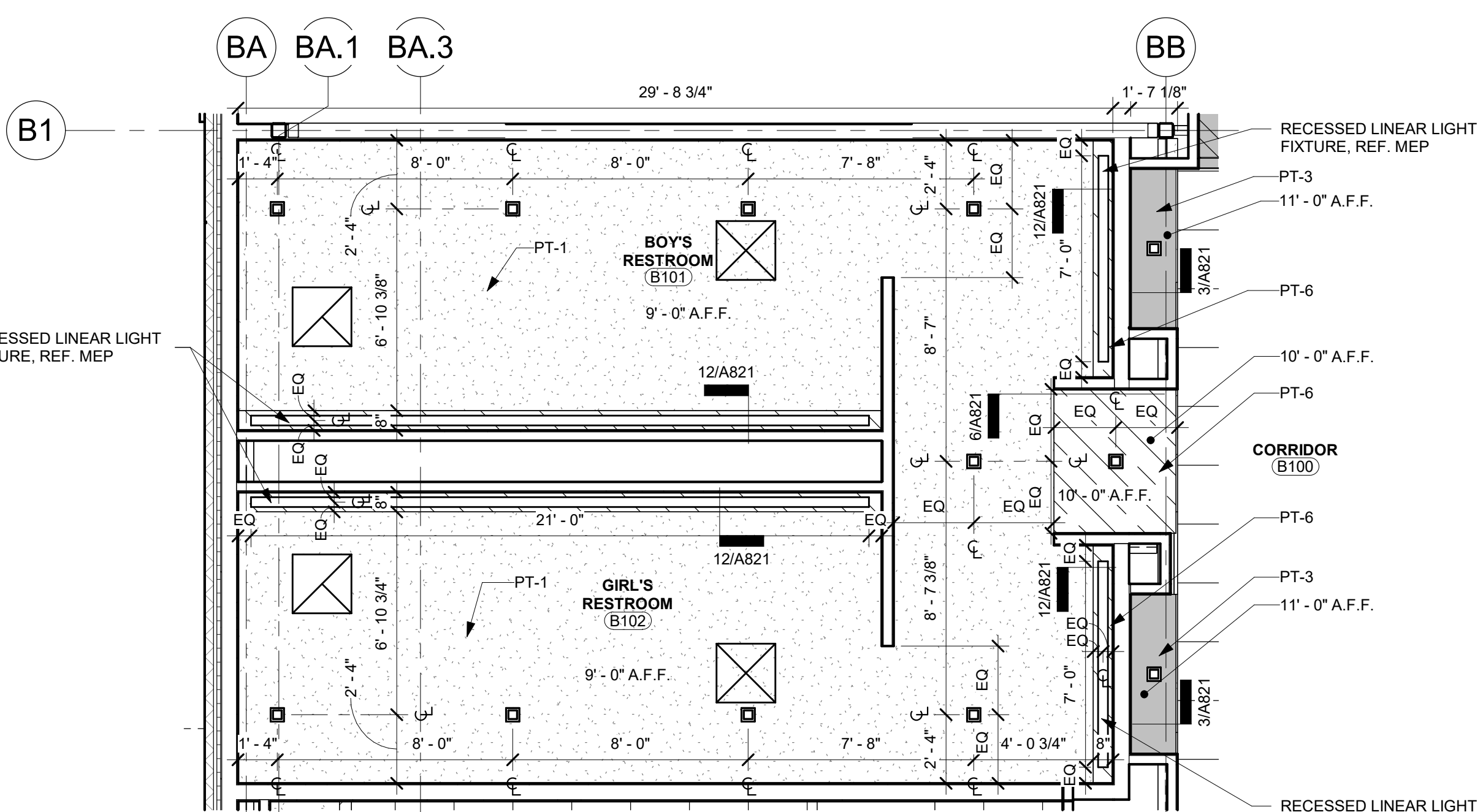
2 Enlarged RCP - Level 0.5 Unit E - Sped Conference Room - E101
1/4" = 1'-0"



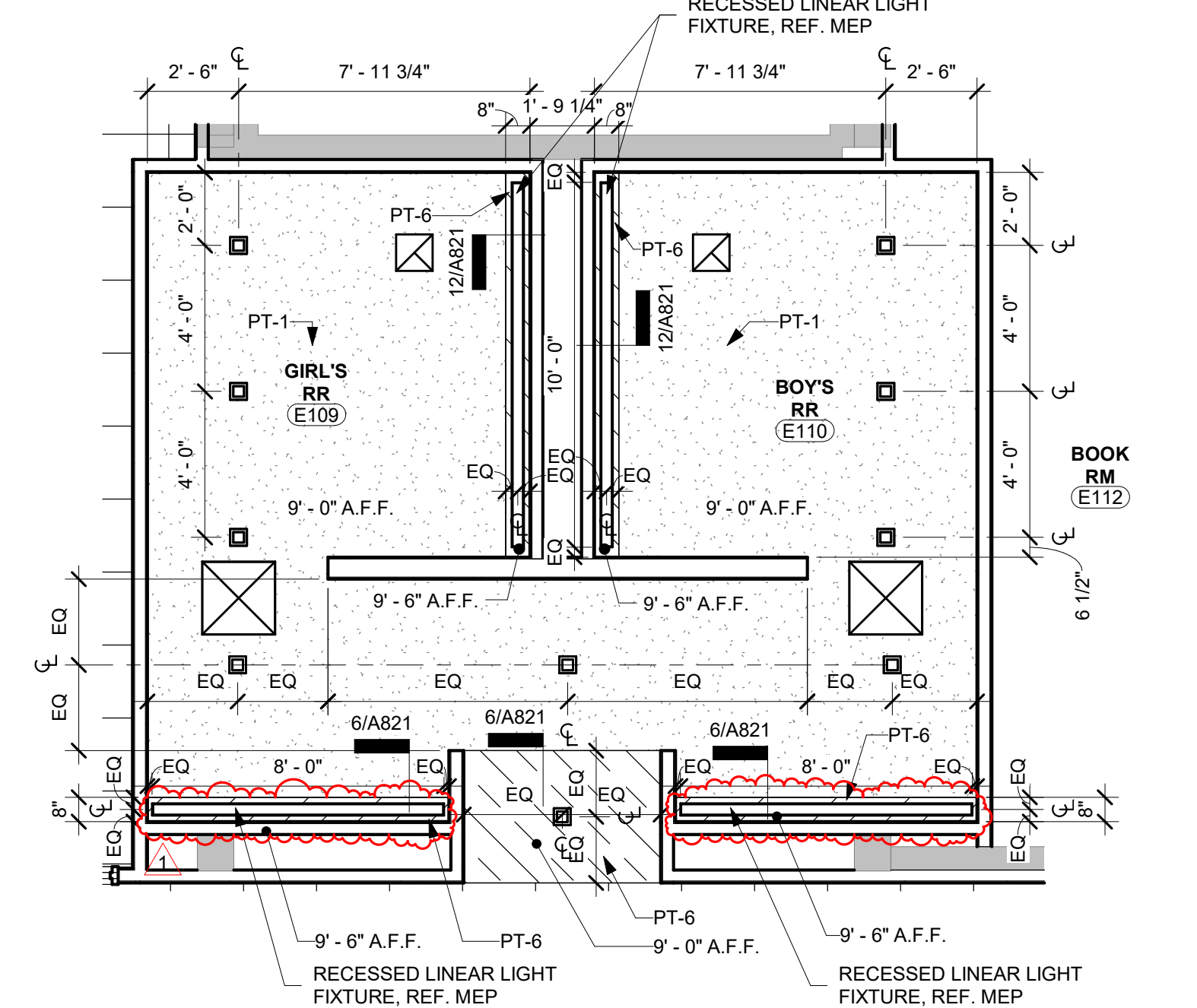
3 Enlarged RCP - Level 2 Unit B - Breakroom - B214
1/4" = 1'-0"



4 Enlarged RCP - Level 0.5 Unit E - Life Skills Kitchen - E107
1/4" = 1'-0"



5 Enlarged RCP - Level 1 Unit B - RR - B101, B102
1/4" = 1'-0"

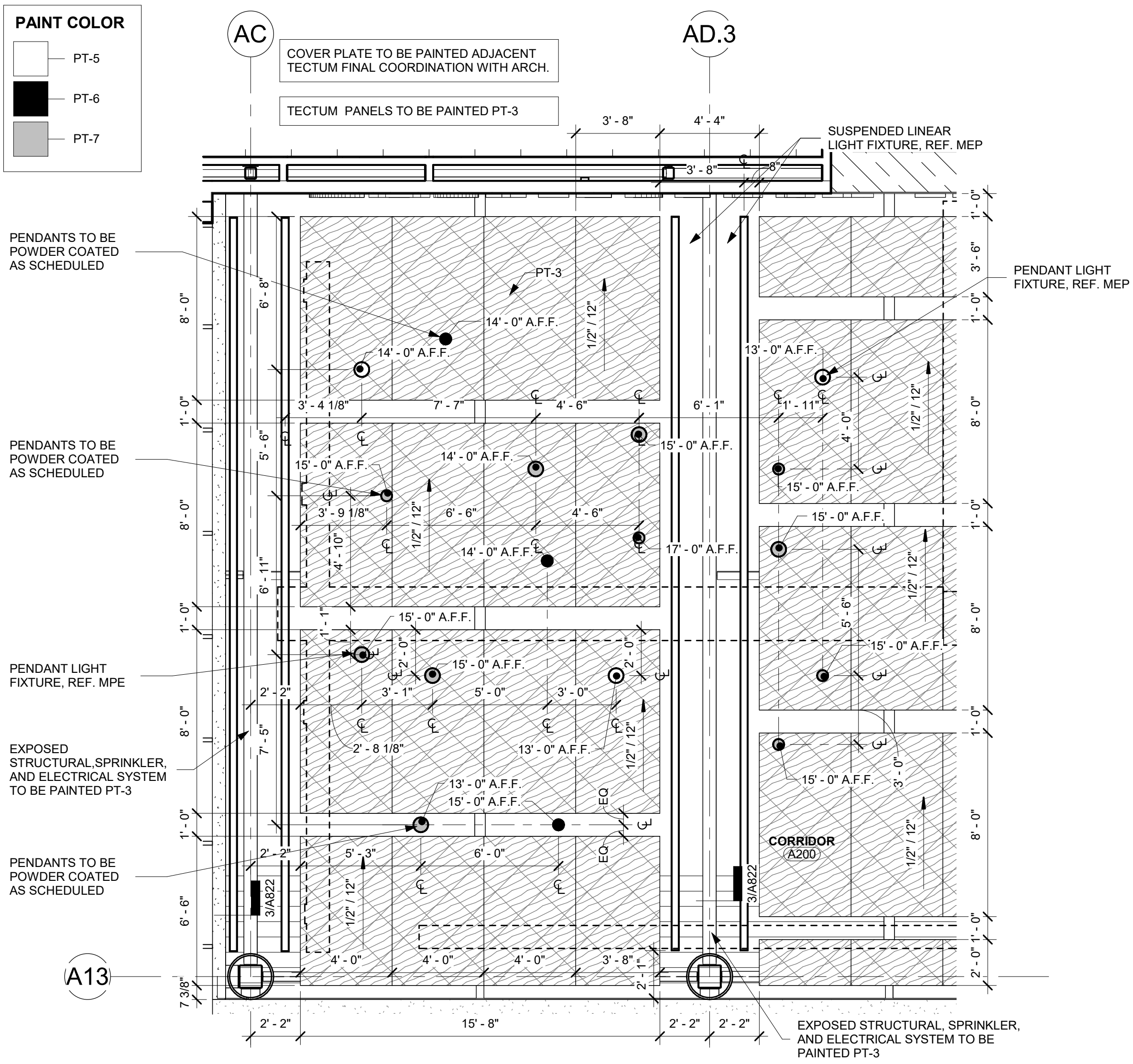


6 Enlarged RCP - Level 0.5 Unit E - RR - E109, E110
1/4" = 1'-0"

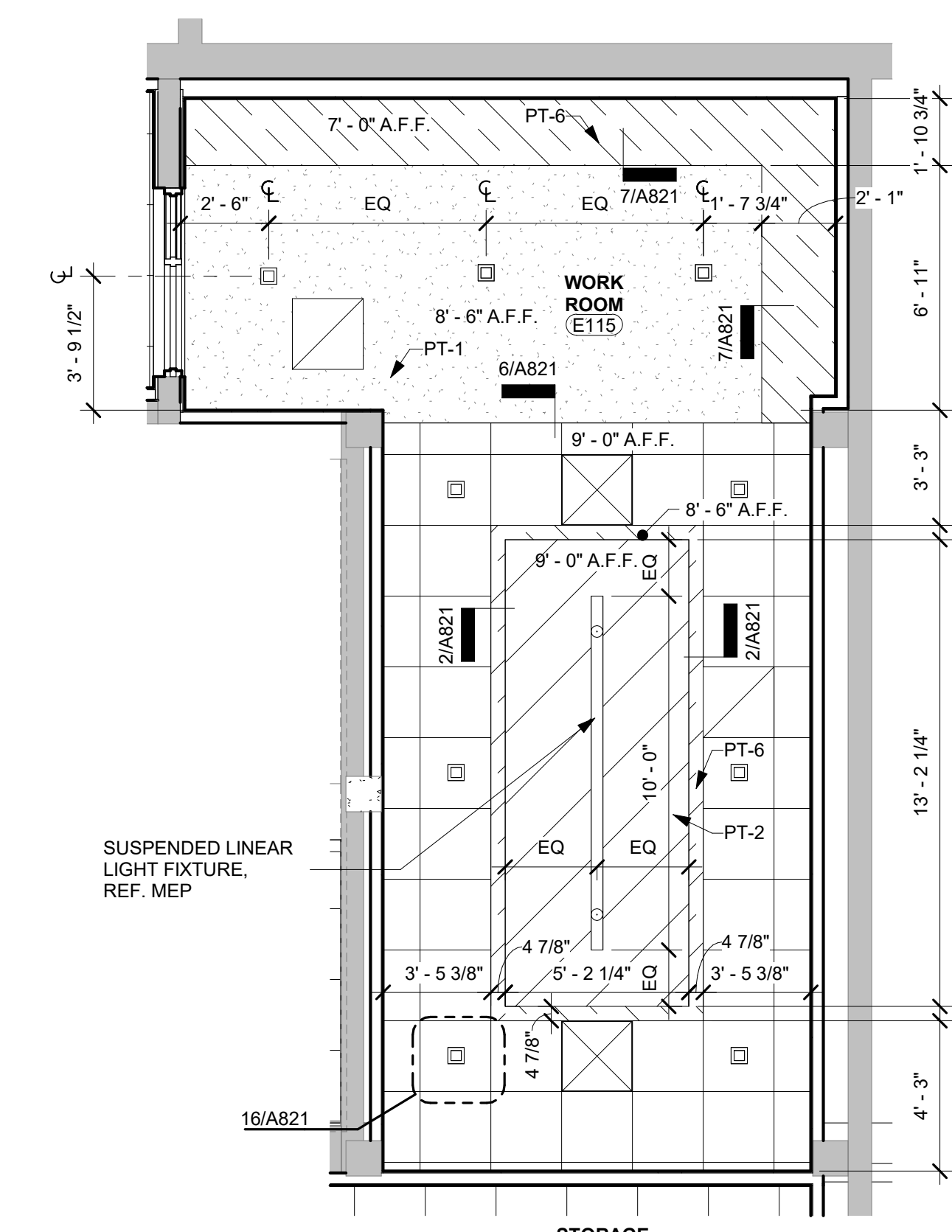
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JOB NO. 2399	DATE: 09/19/2024
Enlarged RCPs	
A817	
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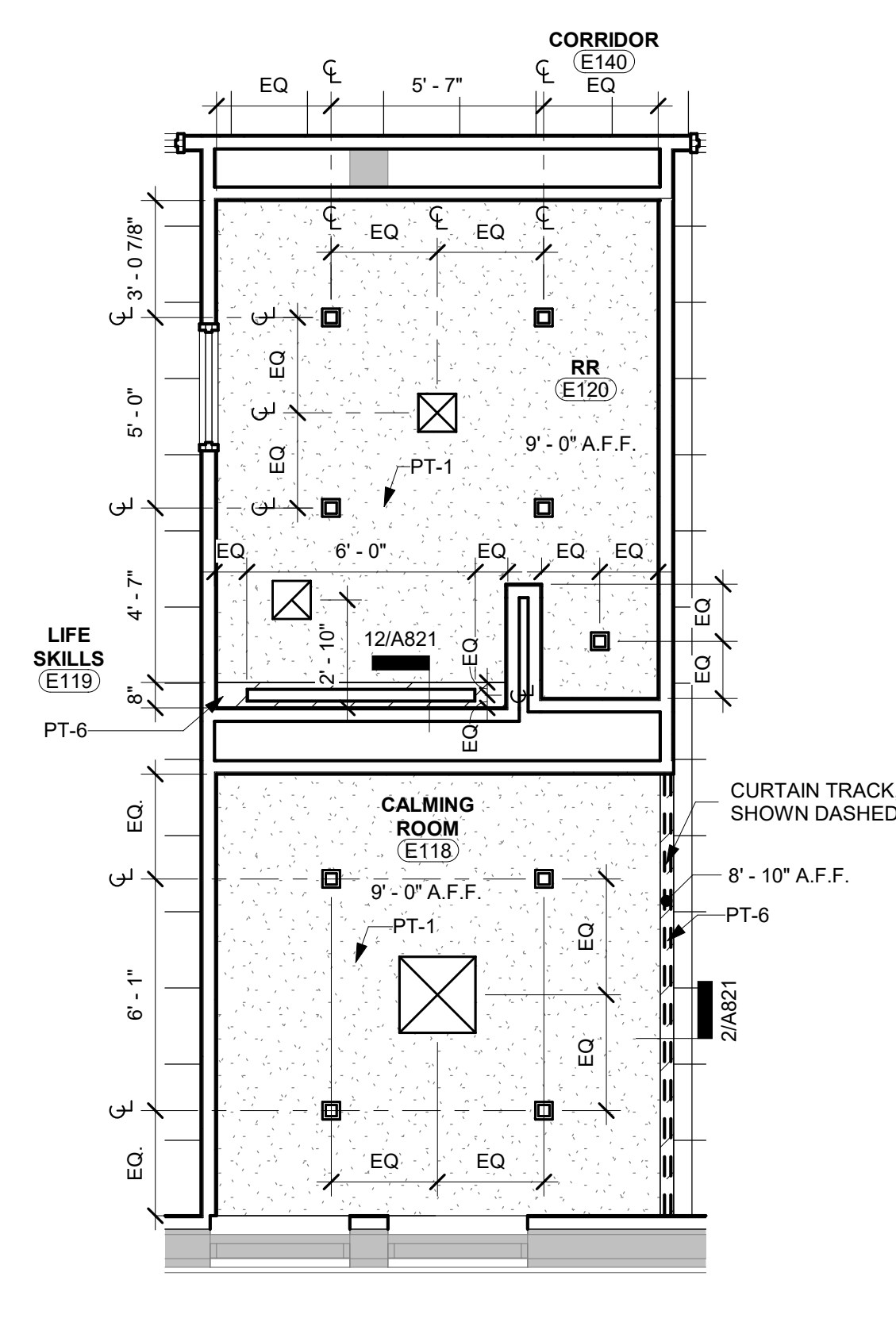
PAINT COLOR	
	PT-5
	PT-6
	PT-7



1 Enlarged RCP - Level 2 Unit A - Corridor A200
1/4" = 1'-0"
TRUE NORTH



2 Enlarged RCP - Level 0.5 - Unit E - Workroom E115
1/4" = 1'-0"
TRUE NORTH



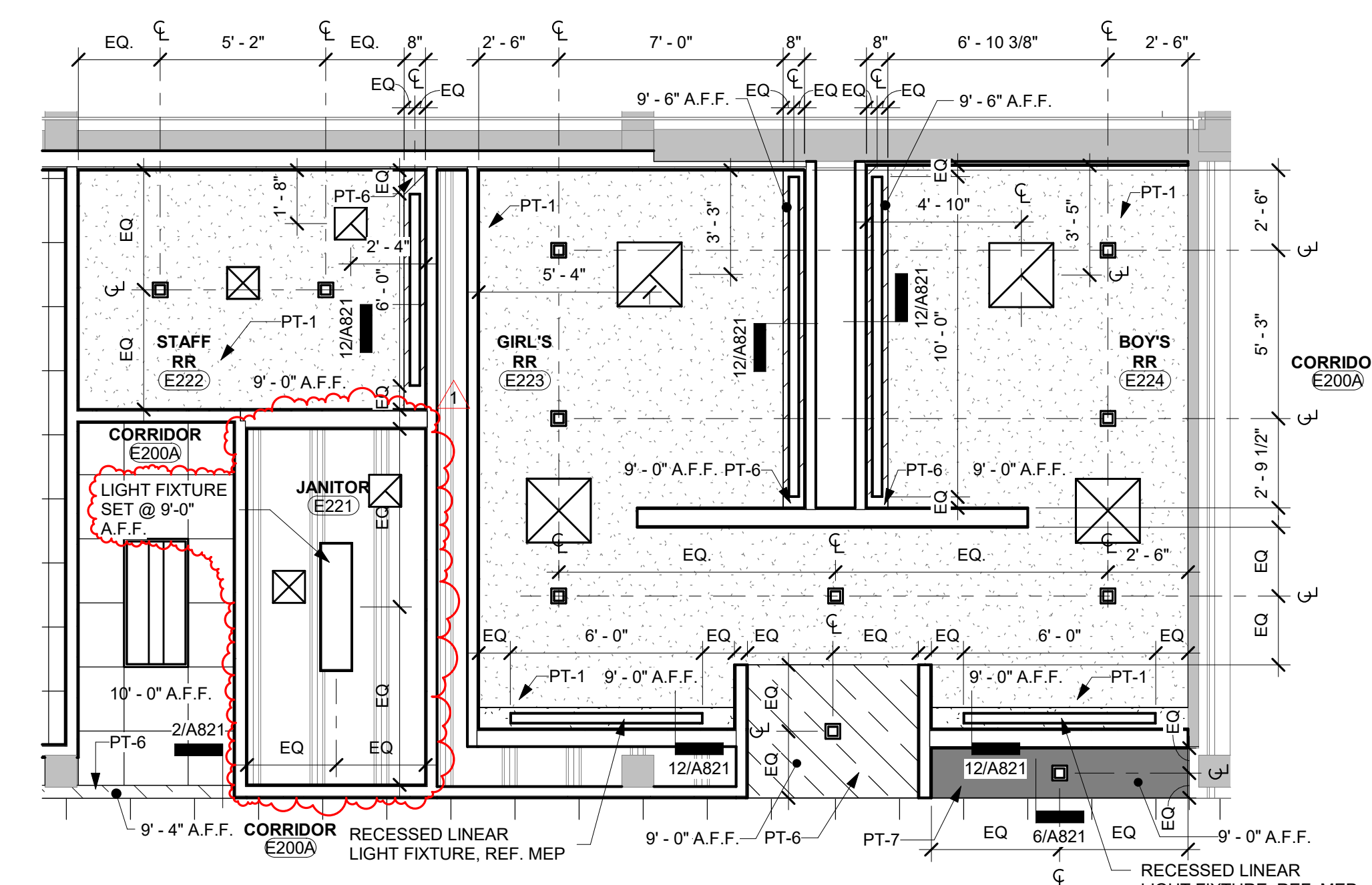
3 Enlarged RCP - Level 0.5 Unit E - RR & Calming Room - E118, E120
1/4" = 1'-0"
TRUE NORTH

Reflected Ceiling Plan Legend	
	1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC.
	PENDANT LIGHT FIXTURE REF. ELEC.
	EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC.
	FLUSH LIGHT FIXTURE REF. ELEC.
	2' X 4' RECESSED LIGHT SURFACE - REF. ELEC.
	SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC.
	SQUARE CAN LIGHT FIXTURE - REF. ELEC.
	CEILING MOUNTED EXIT LIGHT - REF. ELEC.
	SURFACE MOUNTED EXIT LIGHT - REF. ELEC.
	ROOF ACCESS HATCH
	8' FIBERGLASS INSULATION ABOVE CEILING
	2' X 2' LAY-IN CEILING AND GRID
	DOUBLE ACOUSTICAL CEILING, REF. 17/A821
	2x2' NUBBY ABSORB LAY-IN CEILING AND GRID
	2x2' VINYL FACED LAY-IN CEILING AND GRID
	2x2' 2" WELDED WIRE MESH CEILING
	GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
	TECTUM PANELS TYPICAL 4'x8'
	CEILING HEIGHT ABOVE FINISH FLOOR
	H.V.A.C. DIFFUSER - REF. MECH.
	H.V.A.C. RETURN AIR GRILLE - REF. MECH.
	H.V.A.C. EXHAUST GRILLE - REF. MECH.

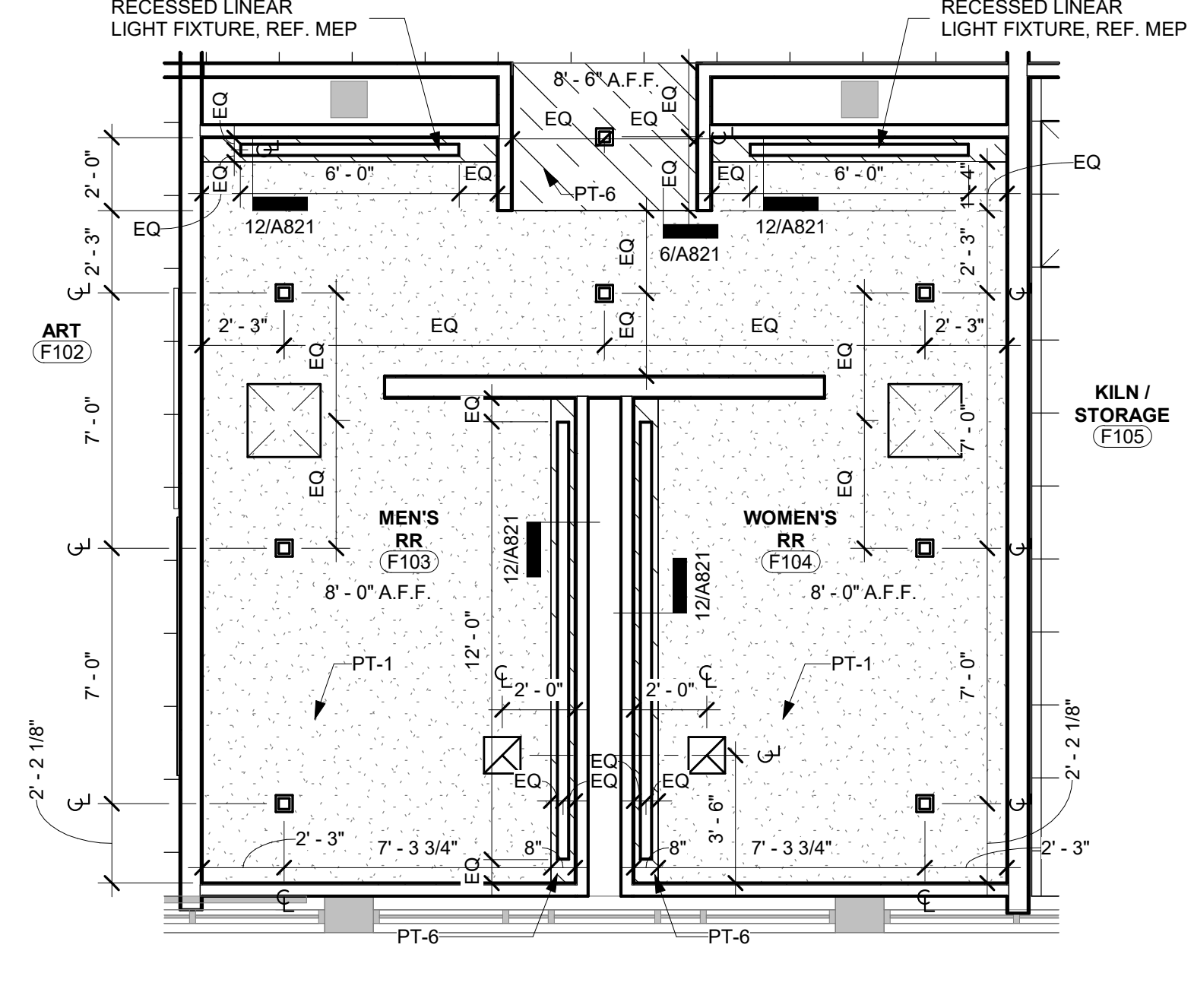
Wall Partition Rating Legend	
	UNRATED ASSEMBLY
	1 HOUR RATED ASSEMBLY
	2 HOUR RATED ASSEMBLY
	SMOKE RATED ASSEMBLY

PAINT COLOR	ACOUSTIC WOOD FIBER PANEL COLOR	LINEAR CEILING

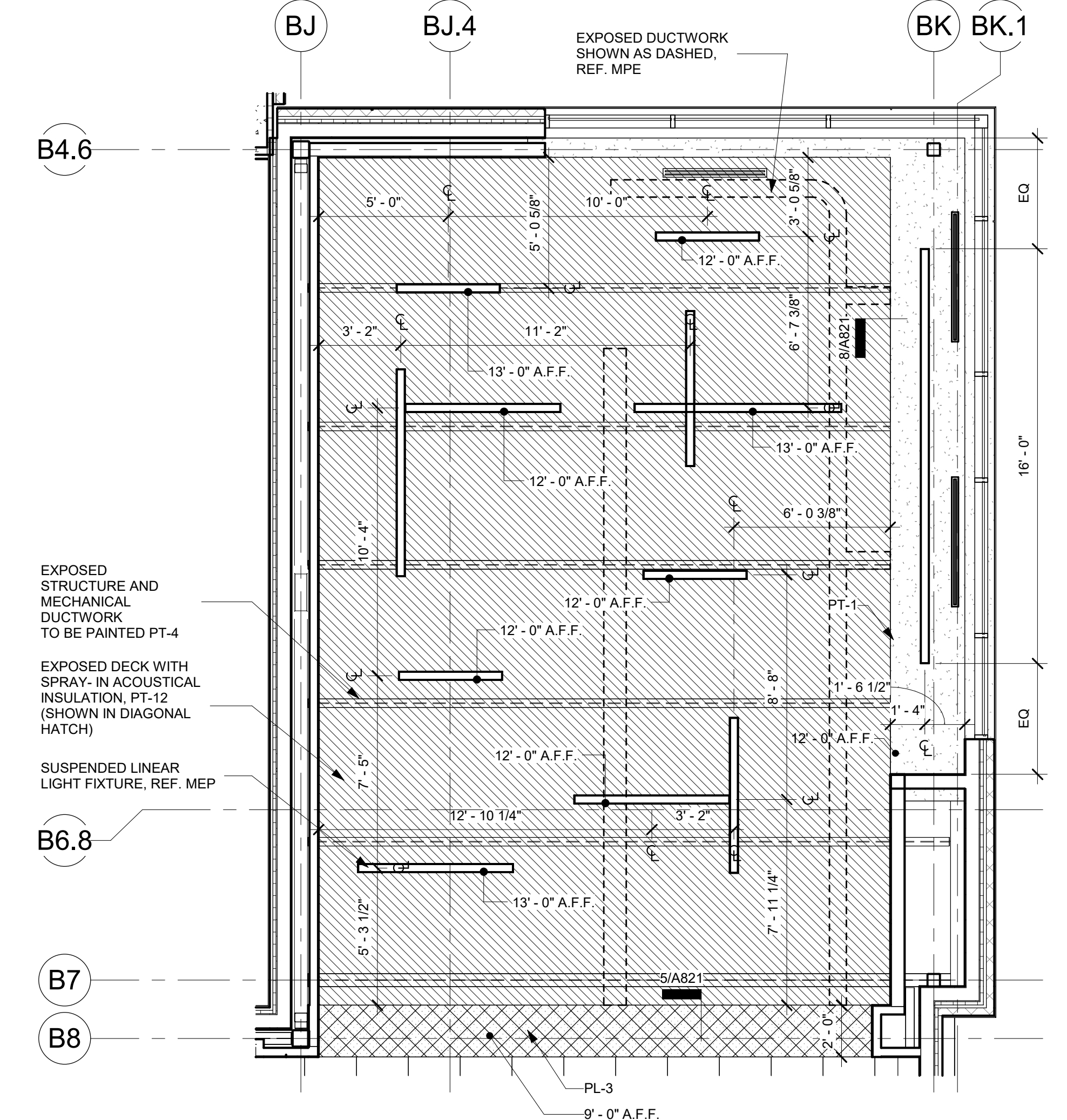
GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS



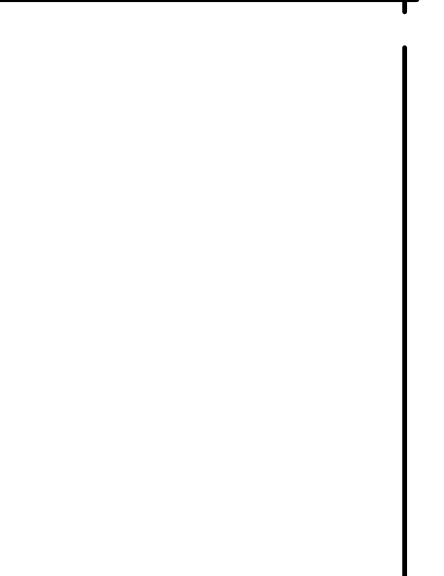
4 Enlarged RCP - Level 1 Unit E - RR - E222, E223, E224
1/4" = 1'-0"
TRUE NORTH



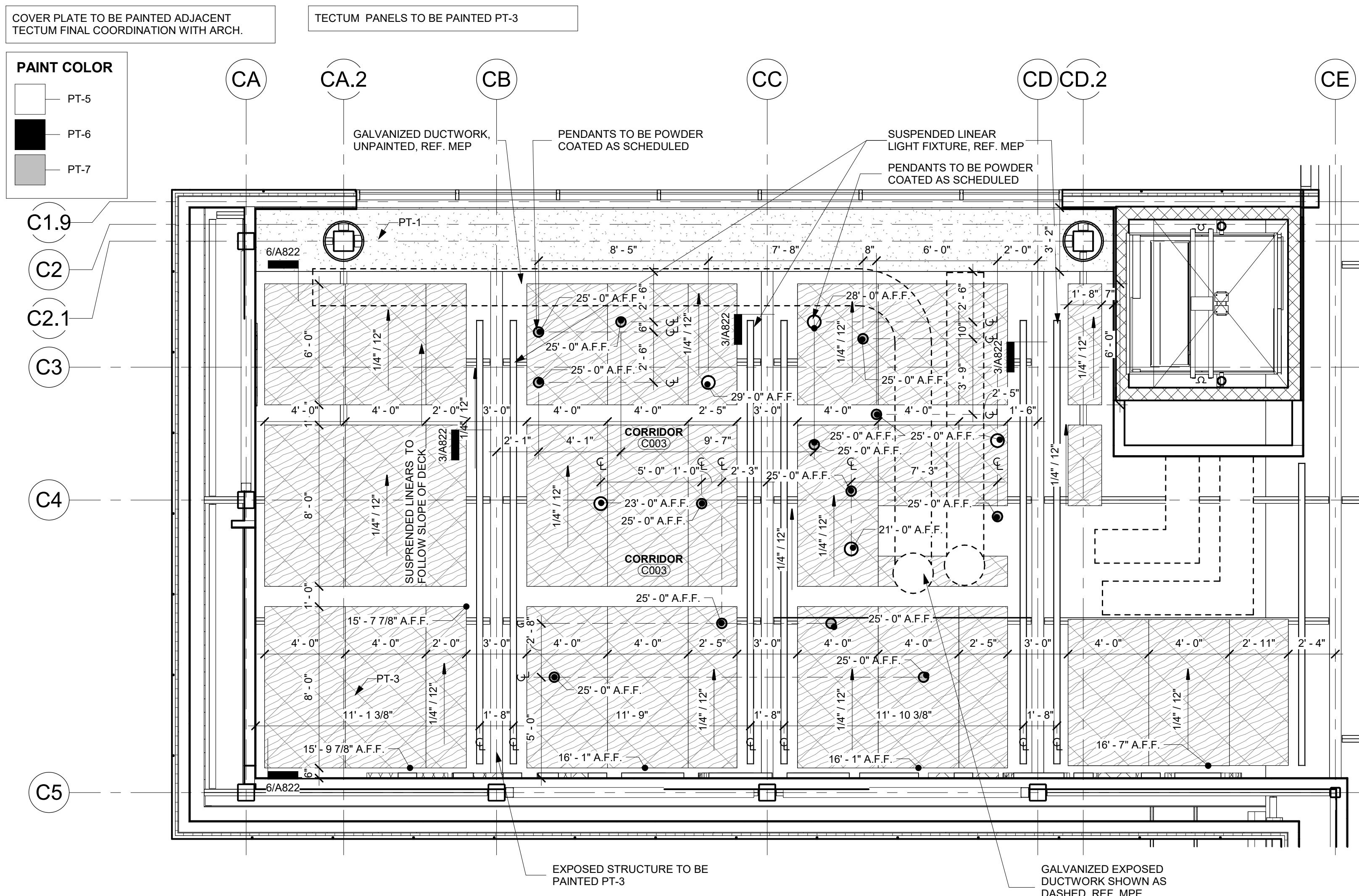
5 Enlarged RCP - Level 1 Unit F - RR - F103, F104
1/4" = 1'-0"
TRUE NORTH



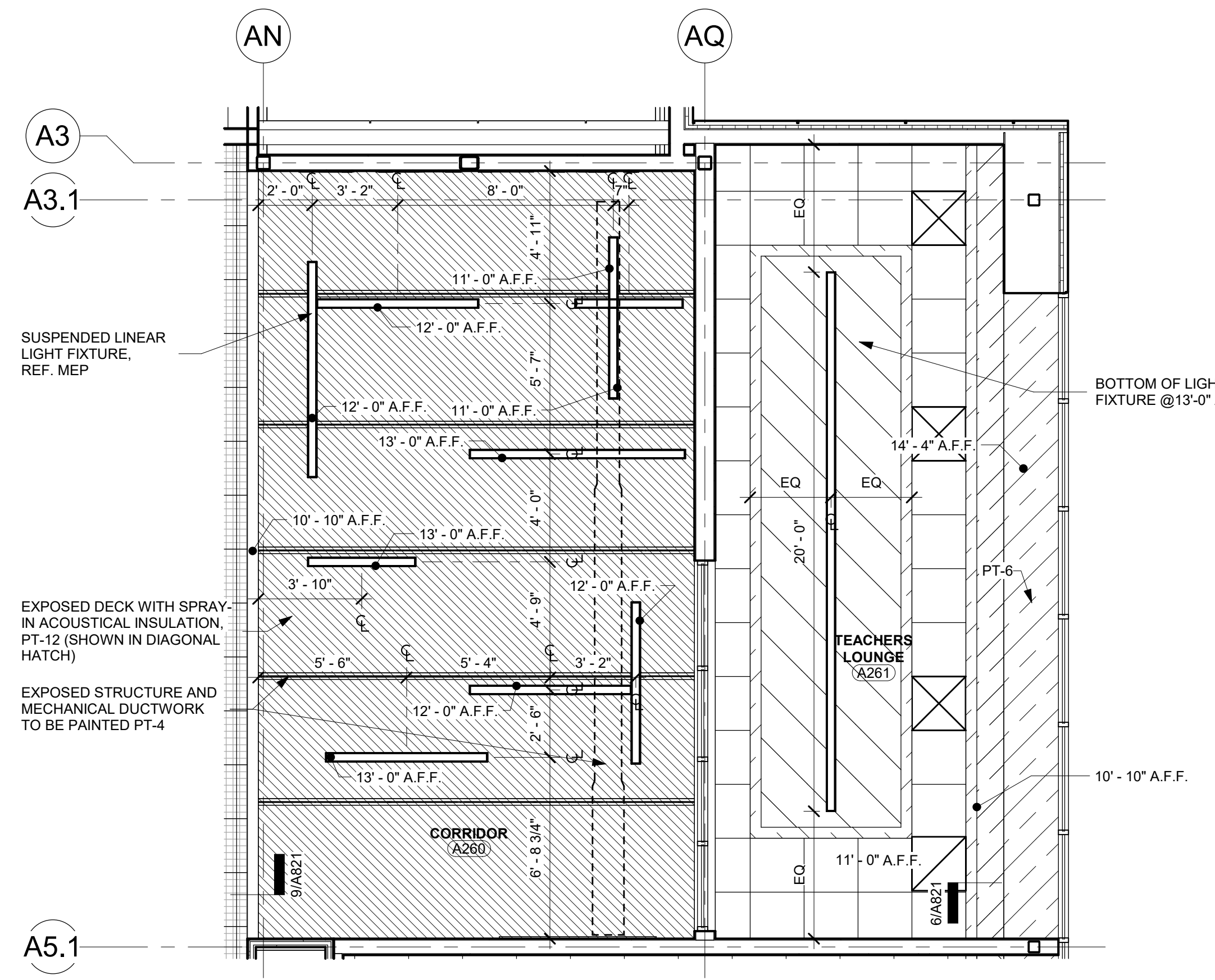
6 Enlarged RCP - Level 2 Unit B - Stair 3
1/4" = 1'-0"
TRUE NORTH



REVISIONS:	
No. 1	Date 09/19/2024
Addendum #1	



1 Enlarged RCP - Level 1 - Unit C - Connector
1/4" = 1'-0"



2 Enlarged RCP - Level 2 Unit A - Stair 2
1/4" = 1'-0"

Reflected Ceiling Plan Legend

1' X 4' SUSPENDED LIGHT FIXTURE - REF. ELEC.	2' X 2' LAY-IN CEILING AND GRID
PENDANT LIGHT FIXTURE REF. ELEC.	DOUBLE ACOUSTICAL CEILING, REF. 17/A821
EXTERIOR RECESSED LIGHT FIXTURE, REF. ELEC.	2'X2' 'NUBBY' ABSORB LAY-IN CEILING AND GRID
FLUSH LIGHT FIXTURE REF. ELEC.	2'X2' VINYL FACED LAY-IN CEILING AND GRID
2' X 4' RECESSED LIGHT FIXTURE - REF. ELEC.	2'X2' WELDED WIRE MESH CEILING
SURFACE MOUNTED LIGHT FIXTURE - REF. ELEC.	GYP. BOARD CEILING, TAPE, BED, TEXTURE AND PAINT
SQUARE CAN LIGHT FIXTURE - REF. ELEC.	TECTUM PANELS TYPICAL 4'X8'
CEILING MOUNTED EXIT LIGHT - REF. ELEC.	X'X'X' A.F.F. CEILING HEIGHT ABOVE FINISH FLOOR
SURFACE MOUNTED EXIT LIGHT - REF. ELEC.	H.V.A.C. DIFFUSER - REF. MECH.
ROOF ACCESS HATCH	H.V.A.C. RETURN AIR GRILLE - REF. MECH.
8" FIBERGLASS INSULATION ABOVE CEILING	H.V.A.C. EXHAUST GRILLE - REF. MECH.

NOTE: REFERENCE ELECTRICAL FOR EMERGENCY FIXTURE LOCATIONS

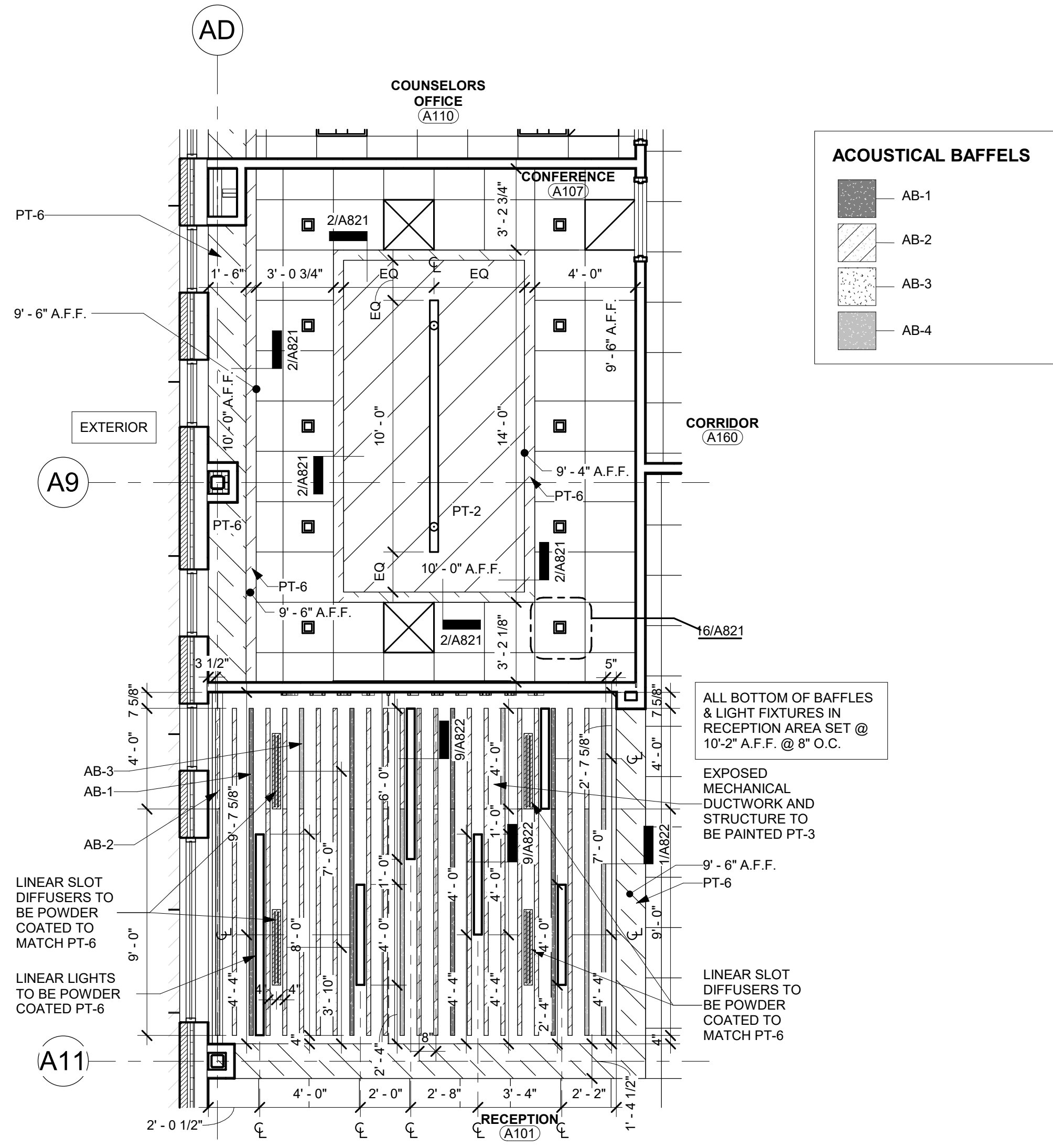
NOTE: COVER PLATE FOR PENDANT LIGHT FIXTURES TO MATCH ADJACENT PT COLOR, REF. RCP

Wall Partition Rating Legend

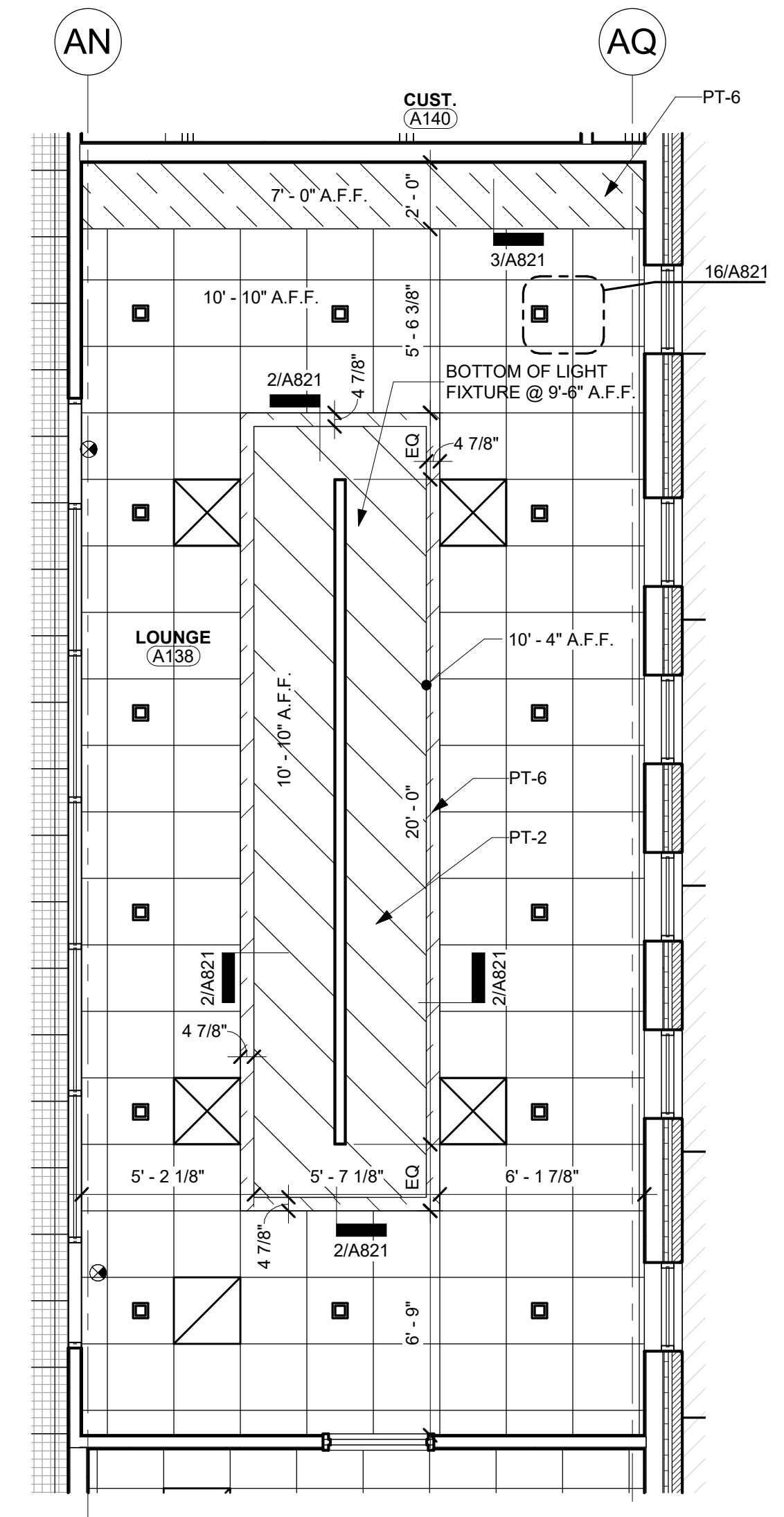
(White)	UNRATED ASSEMBLY
(Orange)	1 HOUR RATED ASSEMBLY
(Red)	2 HOUR RATED ASSEMBLY
(Blue)	SMOKE RATED ASSEMBLY

PAINT COLOR	ACOUSTIC WOOD FIBER PANEL COLOR	LINEAR CEILING
PT-1	PT-1	LC-1
PT-2	PT-2	LC-2
PT-3	PT-3	
PT-4	WFP	
PT-5		
PT-6		
PT-7	AB-1	
PT-8	AB-2	
PT-9	AB-3	
PT-10		
PT-11		

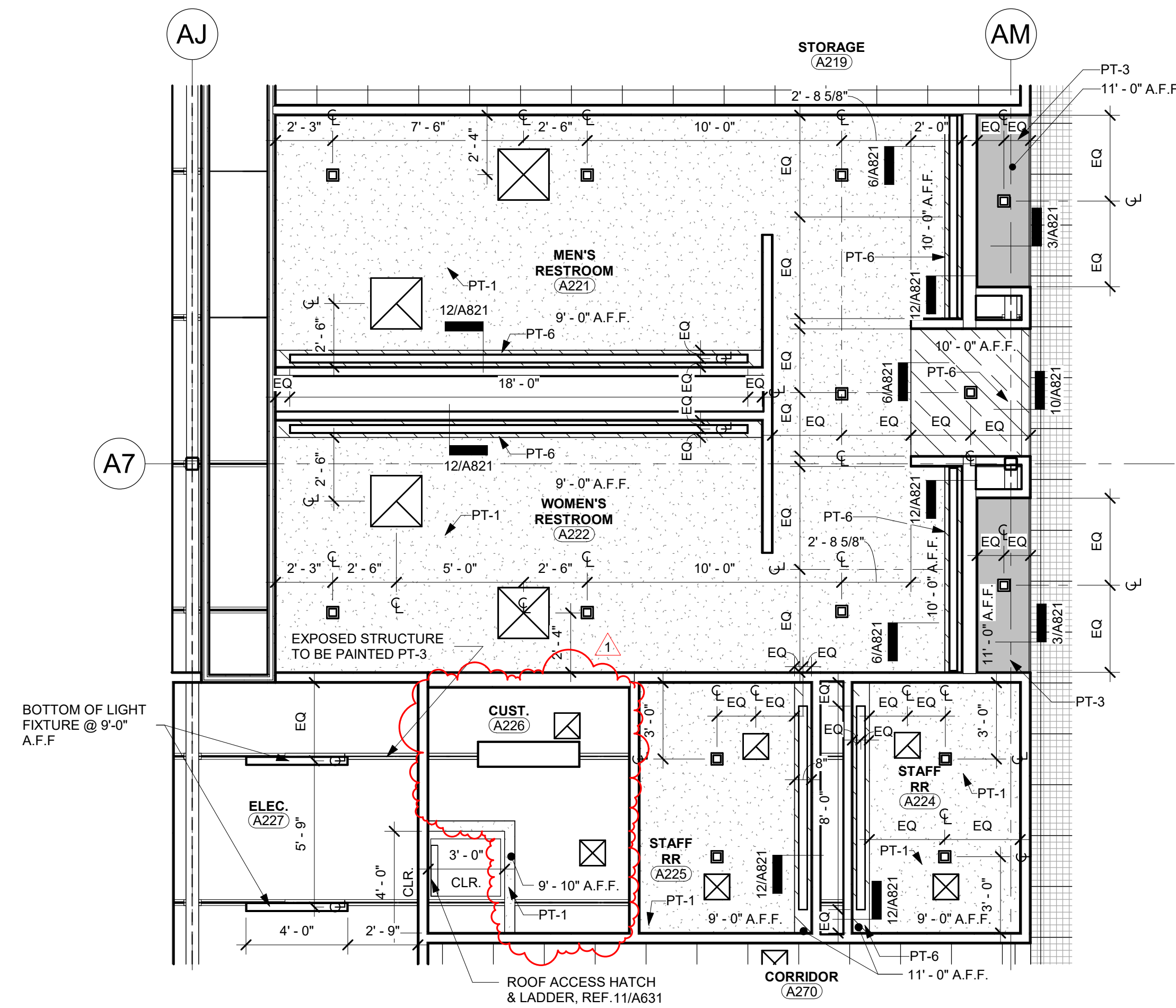
GENERAL NOTE:
ACCESS PANELS TO BE COORDINATED WITH ARCHITECT & SPEC PRIOR TO INSTALLATION AT ALL LOCATIONS



3 Enlarged RCP - Level 1 Unit A.1 - Conference - A107
1/4" = 1'-0"



4 Enlarged RCP - Level 1 Unit A.1 - Lounge - A138
1/4" = 1'-0"



5 Enlarged RCP - Level 2 Unit A.1 - RR - A221, A222, A224, A225
1/4" = 1'-0"

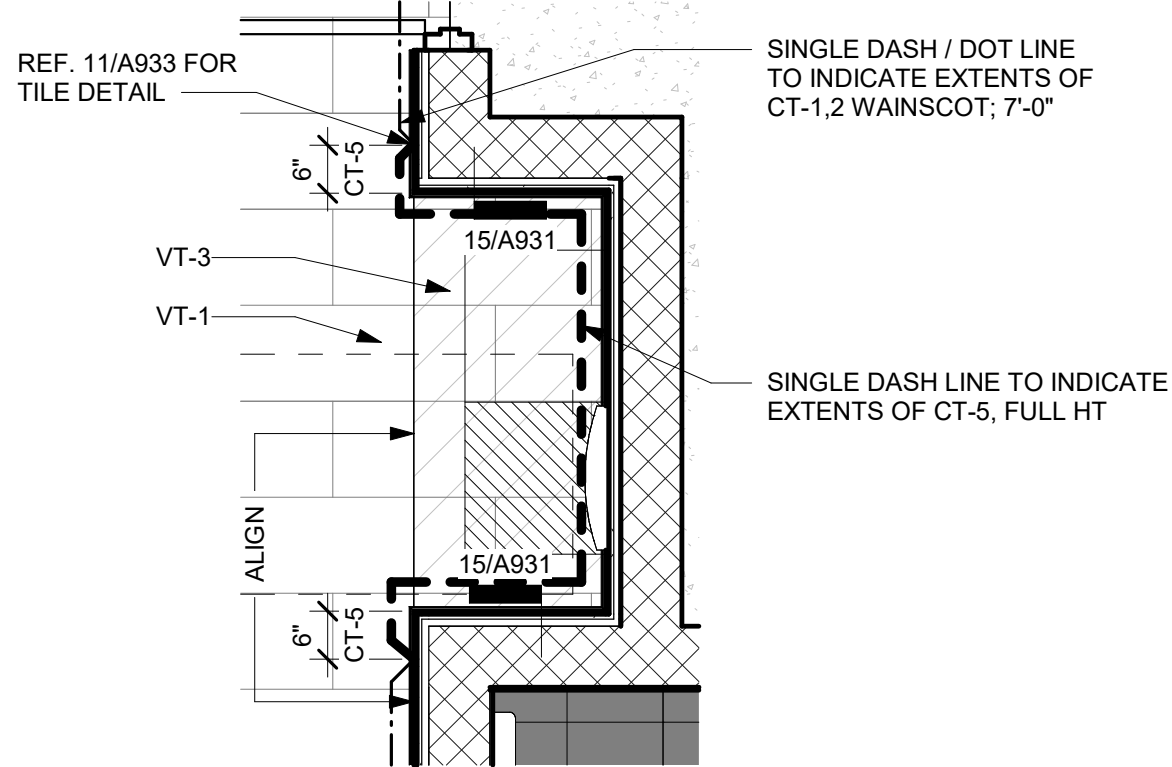
REVISIONS:	No.	Date
	1	Addendum #1 09/19/2024

JOB NO. 2399
DATE: 09/19/2024
Enlarged RCPs
A819
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Schedule Remarks	
1	FRP to Extend 4'-0" Past Edge of Mop Sink
2	Plywood Panel Board Wainscot w/ Intumescent Paint (all 6 sides of the plywood)
3	Corridor A106 Walls to Receive PT-1 and RB-1, Unless an Elevation Shows Differently
4	Exposed Round Columns to be wrapped in GFRG and painted PT-1
5	All Soffits to be Painted PT-1
6	All Emergency Eye Wash Stations to Receive Full Height Tile on all Surrounding Walls (CT-7), Align to Floor Tile
7	Above Windows to be Painted PT-3, Ref. ELEV 14/A941. Datum line to follow top of windows unless noted otherwise.
8	Ref. 8/A923 & 11/A933 for Entryway Tile Details
9	Existing Columns to be Painted PT-1

Finish Schedule - Unit B Level 0

Room Num	Room Name	Remarks
B000	CORRIDOR	
B001	CONC.	
B002	VISITOR LOCKER ROOM	
B003	BOY'S RR	
B004	IDF	
B005	STAFF RR	
B006	GIRL'S RR	
B007	HOME LOCKER ROOM	
B008	UNIFORM STORAGE	
B009	TRAINING ROOM	
B010	VESTIBULE	
B011	VESTIBULE	
B012	STORM SHELTER GYM	
B012 A	AV ROOM	2
B013	STORAGE	
B013 A	UTILITY	
B014	CONTROL ROOM	
B015	JAN.	1
B016	MECH. / ELEC.	2
B017	MEN'S RR	
B018	WOMEN'S RR	
B019	CORRIDOR	
B020	STORAGE	
B021	CORRIDOR	



2 Finish Floor Plan - Level 0 Unit B - Drinking Fountain Detail
1/2" = 1'-0"

GENERAL NOTES:
 The following color selections shall be typical unless noted otherwise:
 1. Interior Doors = PL - 1
 2. Interior HM Doors and Door Frames = PT - 4
 3. Rubber Base = RB - 1
 4. All cabinets to be PL - 1, Unless noted otherwise.
 5. All countertops to be SS-1 unless noted otherwise
 6. All interior window sills to be Prefinished Aluminum to match storefront finish, unless noted otherwise PAINTED PT-4.
 7. Field resilient tile = VT - 1
 8. All Columns to receive GFRG to be Painted PT-1
 9. Ref Specs to see which walls are to be Reinforced Gyp.

General Notes:
 1. Provide ceramic tile metal trim accessory at outside corners, at top of wainscot, and at exposed edge at ceramic tile transitions. Ref. A900s
 2. Provide Corner Guards at all outside edges where gyp. board is exposed. Ref. 200 sheets. Corner Guards to be painted to match wall finishes, ref. A900 sheets.
 3. Control joints are required at the bottom and top of all wall penetrations and occurring no more than 25'-0" apart on all walls, in both vertical and horizontal direction, unless noted in interior elevations.
 4. Provide pre-formed inside and outside corner for rubber base.

Alternate #3
 Base Bid: Provide retractable bleachers in the Storm shelter gymnasium.
 Deduct Alternate Bid: Retractable Bleachers at Unit B Gymnasium at storm shelter to be removed from scope.

Alternate #8
 Base Bid: Scope as shown to be bid.
 Deduct Alternate Bid: Remove all Solatubes and Storm rated (FEMA) windows in the storm shelter (Unit B level 0).

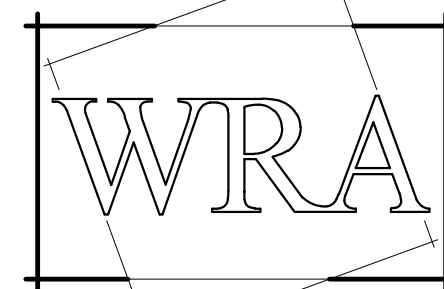
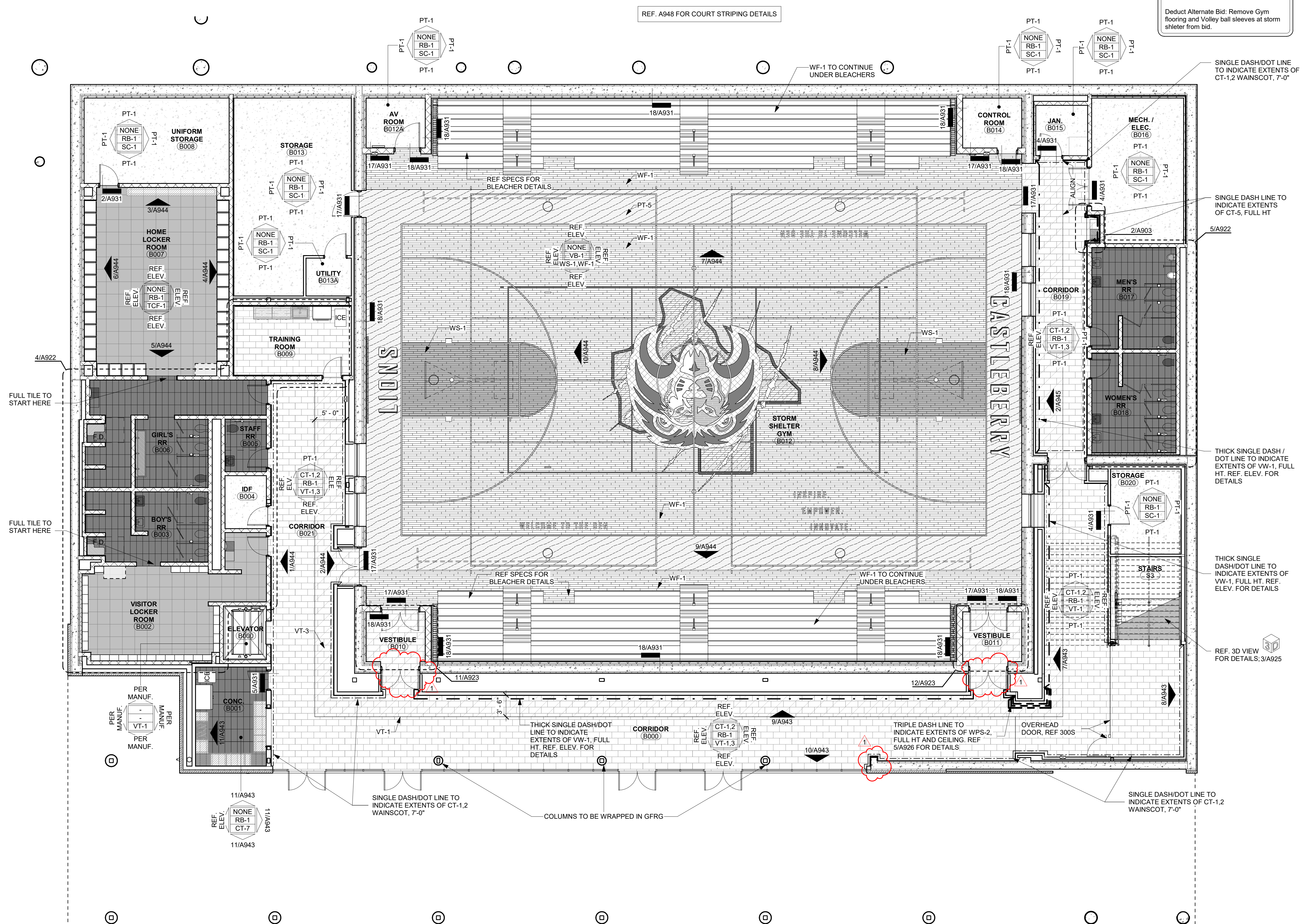
Alternate #2
 Base Bid: Provide Gym flooring and volley ball sleeves at Storm shelter Gymnasium as shown.
 Deduct Alternate Bid: Remove Gym flooring and Volley ball sleeves at storm shelter from bid.

FINISH FLOOR PLAN SYMBOLS LEGEND

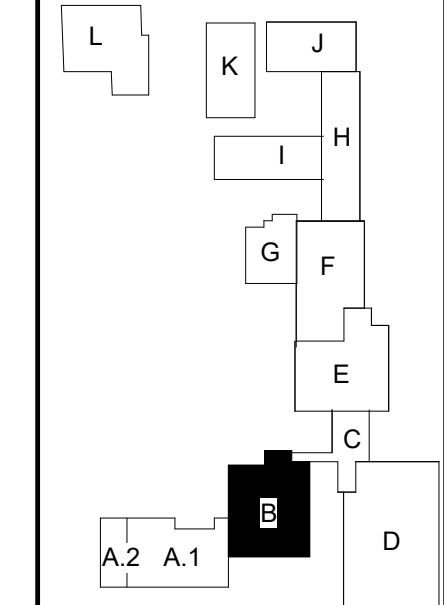
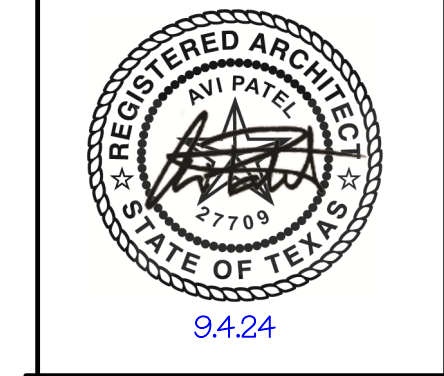
	1/A101 SIM	Callout Tag	--- · ---	Single Dash/Dot Line to Indicate Extents of CT-1,2 Wainscot, 7'-0"
		Interior/Casework Elevation	== :: ==	Double Dash/ Dot Line to Indicate Extents of CT-3,8, Full HT
		Floor Drain	- - - -	Single Dash Line to Indicate Extents of CT-5, Full HT
		Enlarged Detail View	== :: ==	Thin Double Dash Line to Indicate Extents of CT-4, Full HT
		Centerline	== :: ==	Triple Large Dash/Small Dash Line to Indicate Extents of CT-6, Full HT
	ROOM NAME (A101)	Room Tag and Number	--- · ---	Single Small Dash Line to Indicate Extents of CT-11, Full HT
		Furniture and Equipment, By Owner	== :: ==	Triple Dash/Dot Line to Indicate Extents of WPS-1, Full HT and Ceiling
		Thick Double Dash Line to Indicate Extents of WPS-2, Full HT	== :: ==	Triple Dash Line to Indicate Extents of WPS-3, Full HT and Ceiling
		Thin Triple Dash/Dot Line to Indicate Extents of WPS-3, Full HT and Ceiling	== :: ==	Quadruple Dash Line to Indicate Extents of WPS-4, Full HT
		Single Large Dash/Small Dash Line to Indicate Extents Metal Wall Base	== :: ==	Thick Single Dash/Dot Line to Indicate Extents of VW-1, Full HT. Ref. Elev. For Details

RESILIENT TILE	CERAMIC TILE	MISC. FLOORING

PAINT COLOR	CARPET TILE	SOLID SURFACE	PLASTIC LAMINATE



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 www.wraarchitects.com



Castleberry ISD High School Addn.
 215 CHURCHILL ROAD, FORT WORTH, TEXAS - 76114

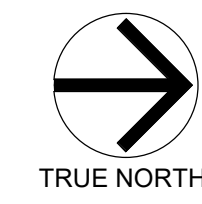
REVISIONS:	
No. 1	Date 09/19/2024
Addendum #1	

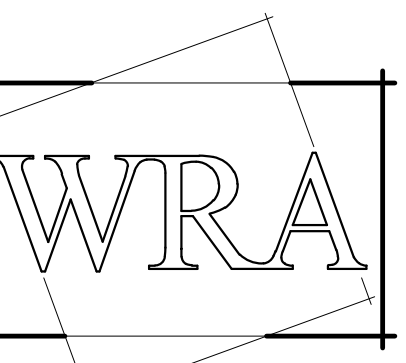
JOB NO. 2359
 DATE: 09/19/2024

Finish Floor Plan Level 0 Unit B

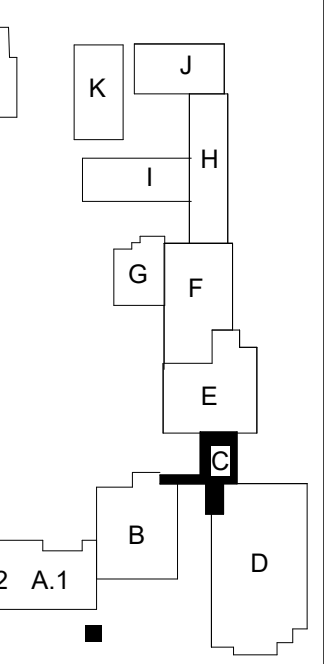
A903

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REVISIONS:		
No.	Description	Date
1	Addendum #1	09/19/2024

JOB NO. 2359
DATE: 09/19/2024

Finish Floor Plan Level 1
Unit C

A907

Finish Schedule - Unit C Level 1

Room Num.	Room Name	Remarks
C100	CORRIDOR	4
C101	SKYBRIDGE	
C102	ELEVATOR	

Schedule Remarks	
1	FRP to Extend 4'-0" Past Edge of Mop Sink
2	Plywood Panel Board Wainscot w/ Intumescent Paint (all 6 sides of the plywood)
3	Corridor A106 Walls to Receive PT-1 and RB-1. Unless an Elevation Shows Differently
4	Exposed Round Columns to be wrapped in GFRG and painted PT-1
5	All Soffits to be Painted PT-1
6	All Emergency Eye Wash Stations to Receive Full Height Tile on all Surrounding Walls (CT-7). Align to Floor Tile
7	Above Windows to be Painted PT-3. Ref. ELEV 14/A941. Datum line to follow top of windows unless noted otherwise.
8	Ref. 8/A923 & 11/A933 for Entryway Tile Details
9	Existing Columns to be Painted PT-1

GENERAL NOTES:
The following color selections shall be typical unless noted otherwise:
1. Interior Doors = PL - 1
2. Interior HM Doors and Door Frames = PT - 4
3. Rubber Base = RB - 1
4. All cabinets to be PL - 1. Unless noted otherwise.
5. All countertops to be SS-1 unless noted otherwise.
6. All interior window sills to be Prefinished Aluminum to match storefront finish, unless noted otherwise PAINTED PT-4.
7. Field resilient tile = VT - 1
8. All Columns to receive GFRG to be Painted PT-1
9. Ref Specs to see which walls are to be Reinforced Gyp.

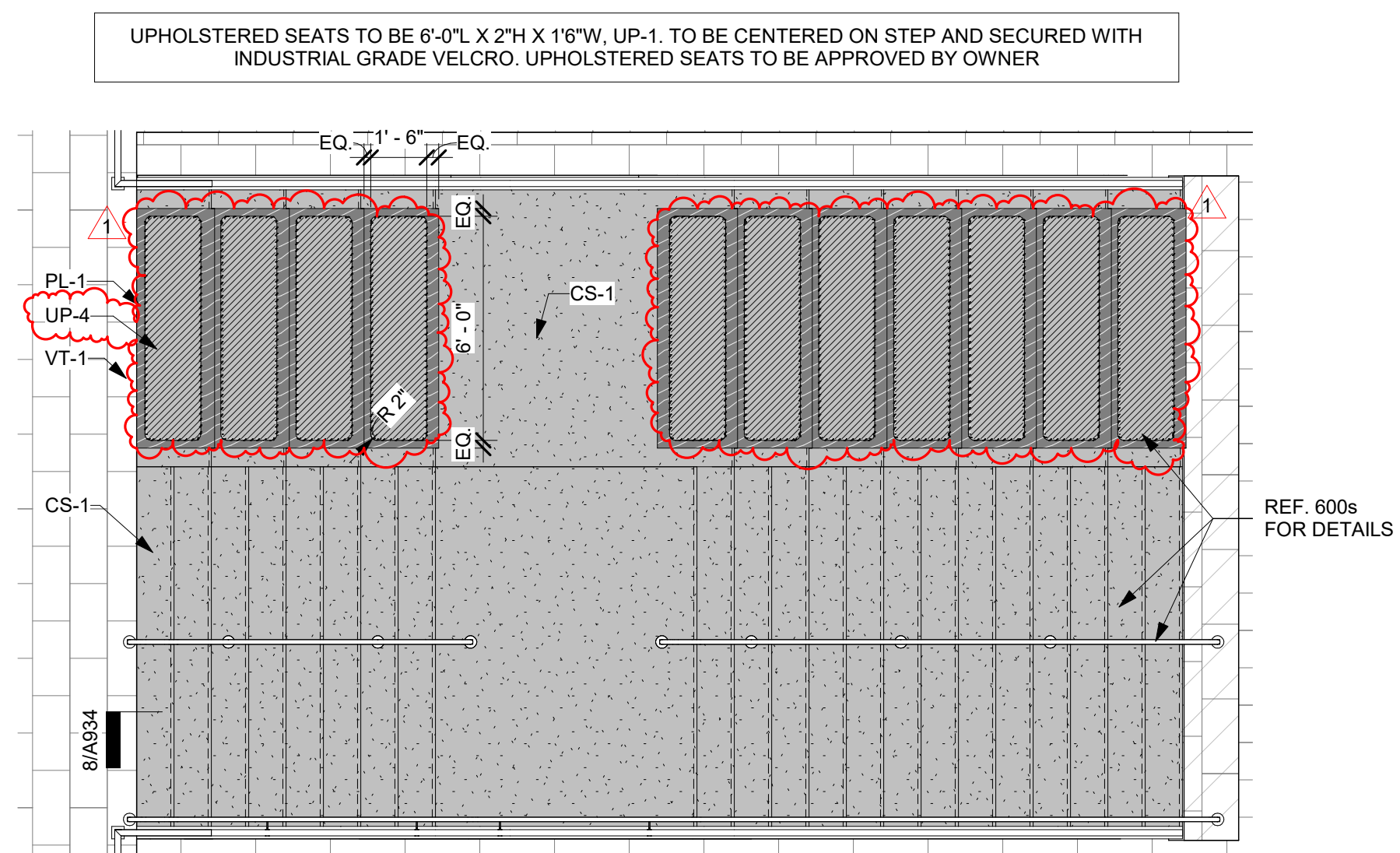
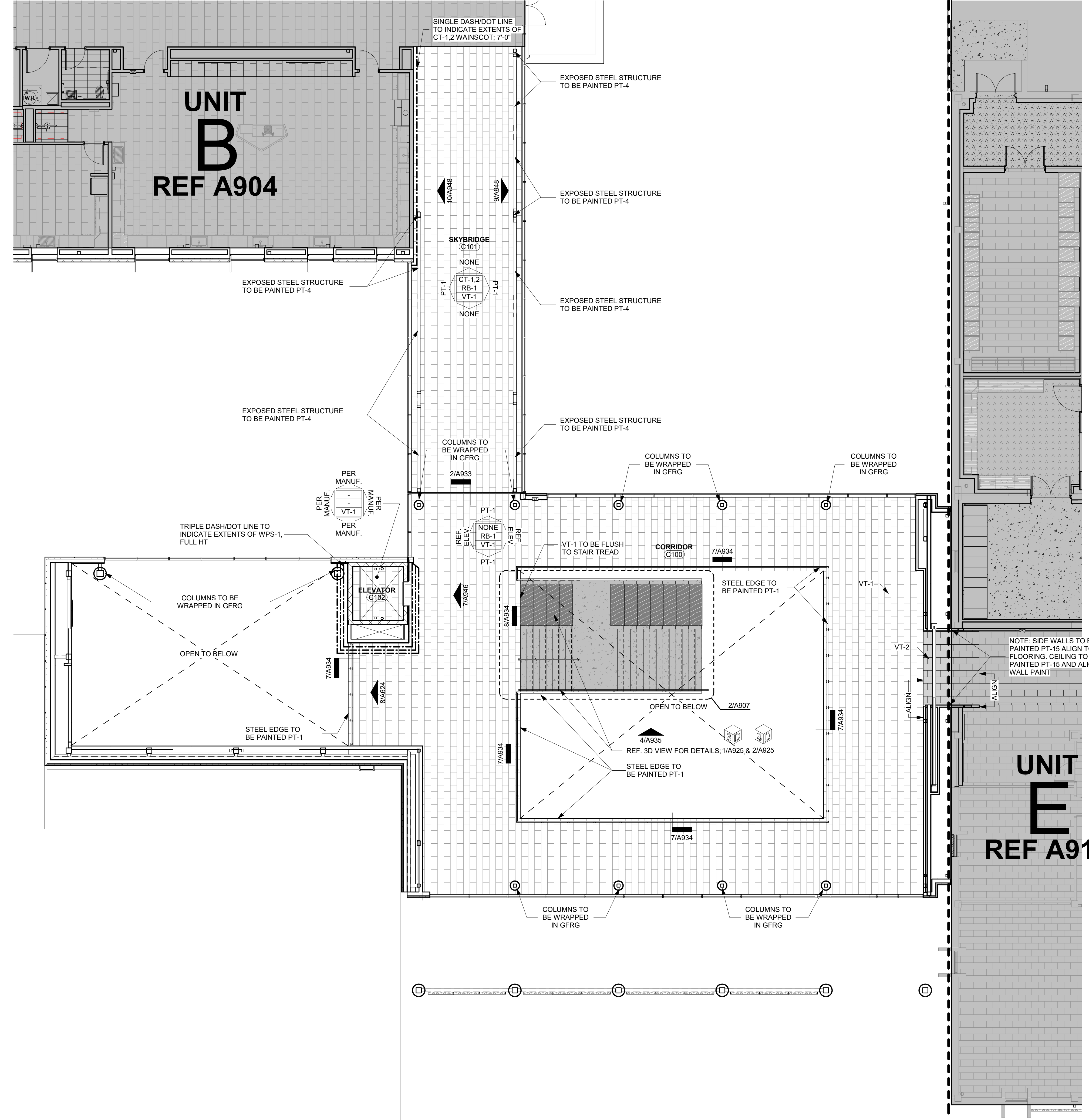
General Notes:
1. Provide ceramic tile metal trim accessory at outside corners, at top of wainscot, and at exposed edge at ceramic tile transitions. Ref. A900s
2. Provide Corner Guards at all outside edges where gyp. board is exposed. Ref. 200 sheets. Corner Guards to be painted to match wall finishes, ref. A900 sheets.
3. Control joints are required at the bottom and top of all wall penetrations and occurring no more than 25'-0" apart on all walls, in both vertical and horizontal direction, unless noted in interior elevations.
4. Provide pre-formed inside and outside corner for rubber base.

FINISH FLOOR PLAN SYMBOLS LEGEND

	1/A101 SIM	Callout Tag	Single Dash/Dot Line to Indicate Extents of CT-1,2 Wainscot, 7'-0"
	WAINSCOT	Interior/Casework Elevation	Double Dash/ Dot Line to Indicate Extents of CT-3,8, Full HT
	FLOOR DRAIN	Floor Drain	Single Dash Line to Indicate Extents of CT-5, Full HT
	ENLARGED DETAIL VIEW	Enlarged Detail View	Thin Double Dash Line to Indicate Extents of CT-4, Full HT
	CENTERLINE	Centerline	Triple Large Dash/Small Dash Line to Indicate Extents of CT-6, Full HT
	ROOM NAME (A101)	Room Tag and Number	Single Small Dash Line to Indicate Extents of CT-11, Full HT
	FURNITURE AND EQUIPMENT	Furniture and Equipment, By Owner	Triple Dash/Dot Line to Indicate Extents of WPS-1, Full HT and Ceiling
	THICK DOUBLE DASH LINE	Thick Double Dash Line to Indicate Extents of PT-6	Triple Dash Line to Indicate Extents of WPS-2, Full HT
	THICK TRIPLE DASH LINE	Thick Triple Dash Line to Indicate Extents of PT-1	Thin Triple Dash/Dot Line to Indicate Extents of WPS-3, Full HT and Ceiling
	SINGLE LARGE DASH/SMALL DASH LINE	Single Large Dash/Small Dash Line to Indicate Extents of Metal Wall Base	Quadruple Dash Line to Indicate Extents of WPS-4, Full HT
	THICK SINGLE DASH/DOT LINE	Thick Single Dash/Dot Line to Indicate Extents of Metal Wall Base	Thin Single Dash/Dot Line to Indicate Extents of WPS-4, Full HT

RESILIENT TILE	CERAMIC TILE	MISC. FLOORING
VT-1	CT-7	SC-1
VT-2		WF-1
VT-3		WS-1
		TCF-1
		RF-1
		MF-1
		CS-1
		UP-4

PAINT COLOR	CARPET TILE	SOLID SURFACE	PLASTIC LAMINATE
PT-1	CP-1	SS-1	PL-1
PT-3	CP-2	SS-2	
PT-5	CP-3		
PT-6	CP-4		
PT-8	CP-5		
PT-9	CP-6		
PT-10			
PT-11			
PT-12			
PT-13			
PT-14			
PT-15			

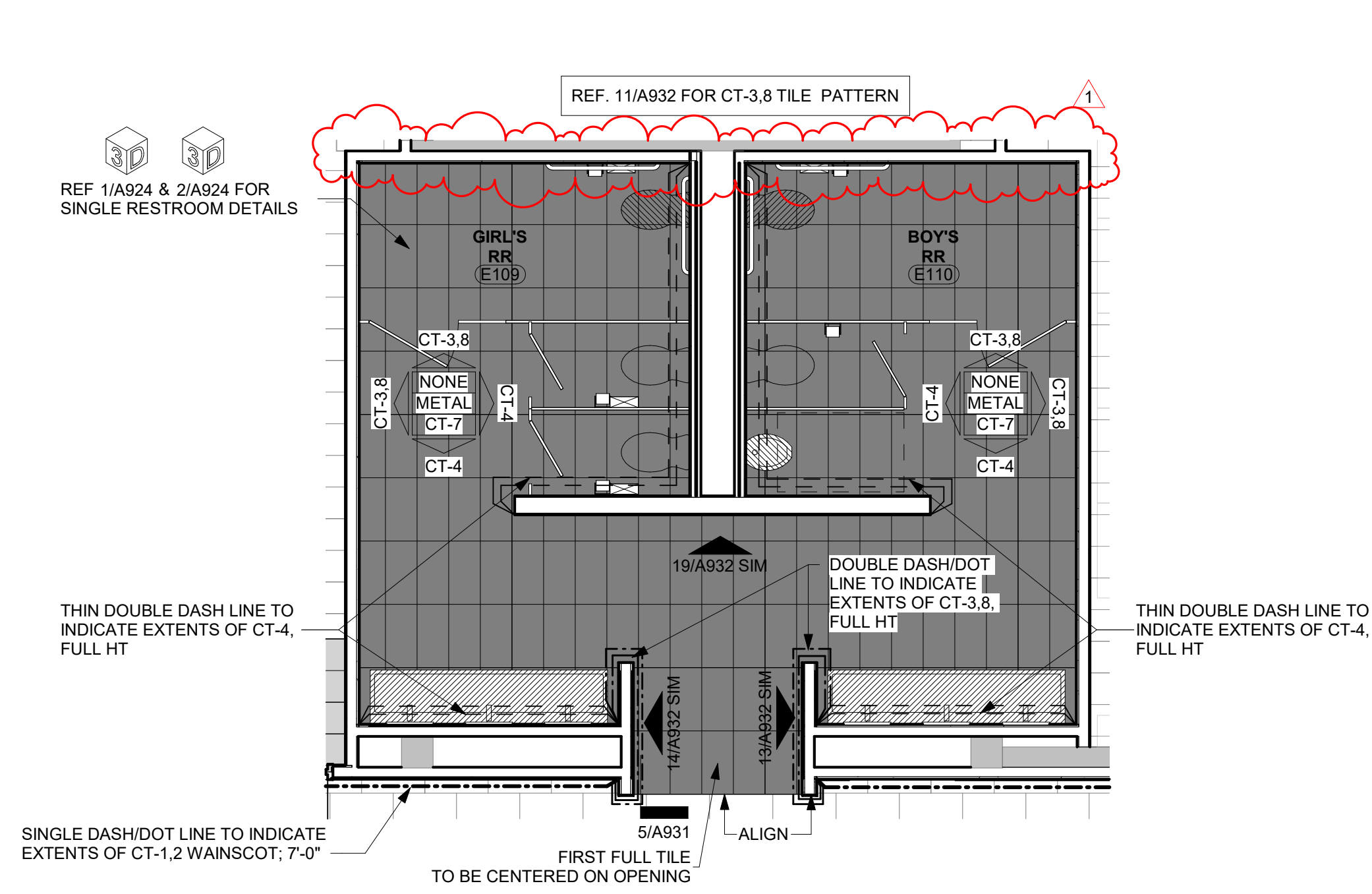


Finish Floor Plan - Level 1 Unit C - Platform Seating Pad Detail
1/4" = 1'-0"

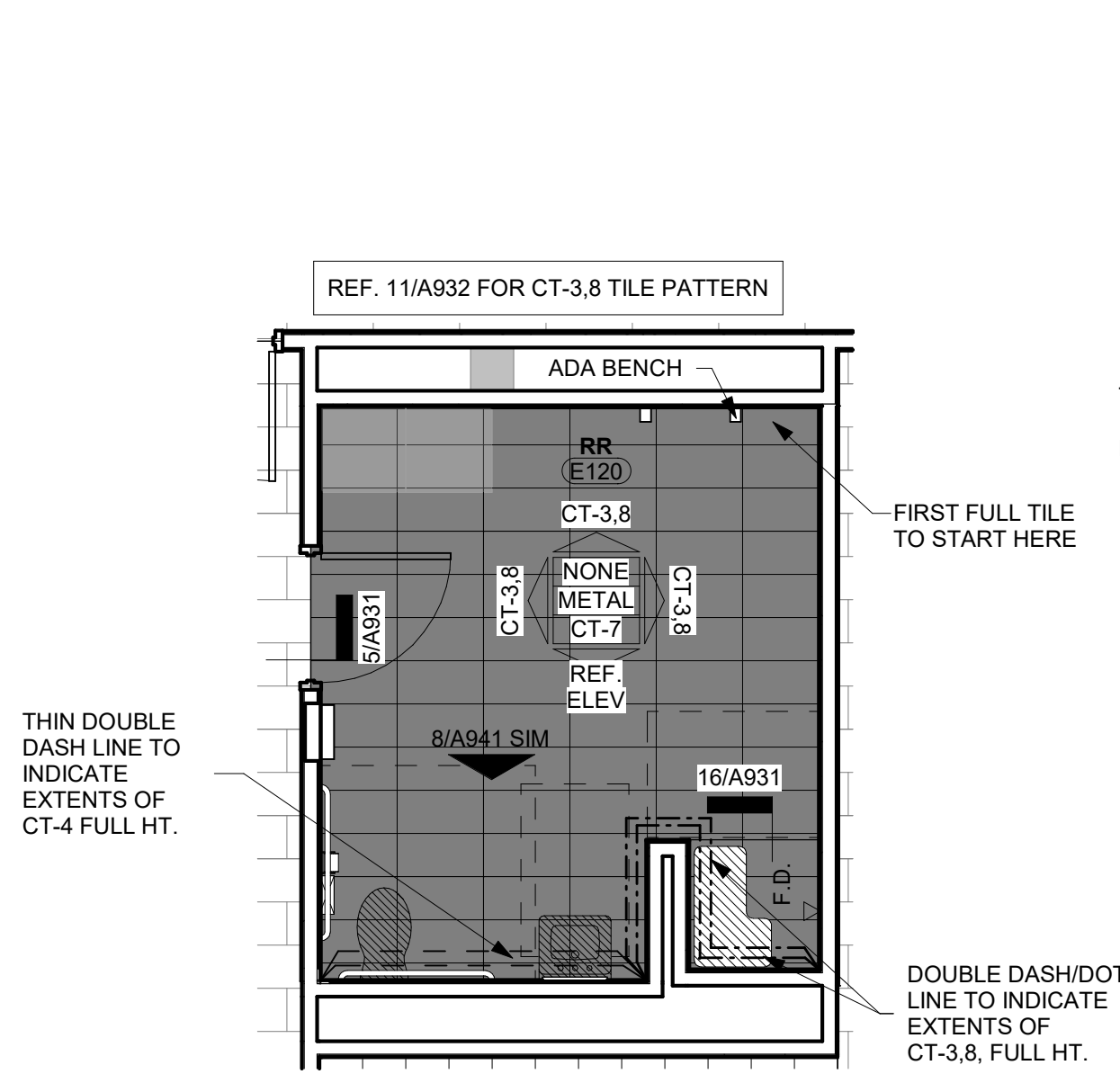
1 Finish Floor Plan - Level 1 Unit C
1/8" = 1'-0"

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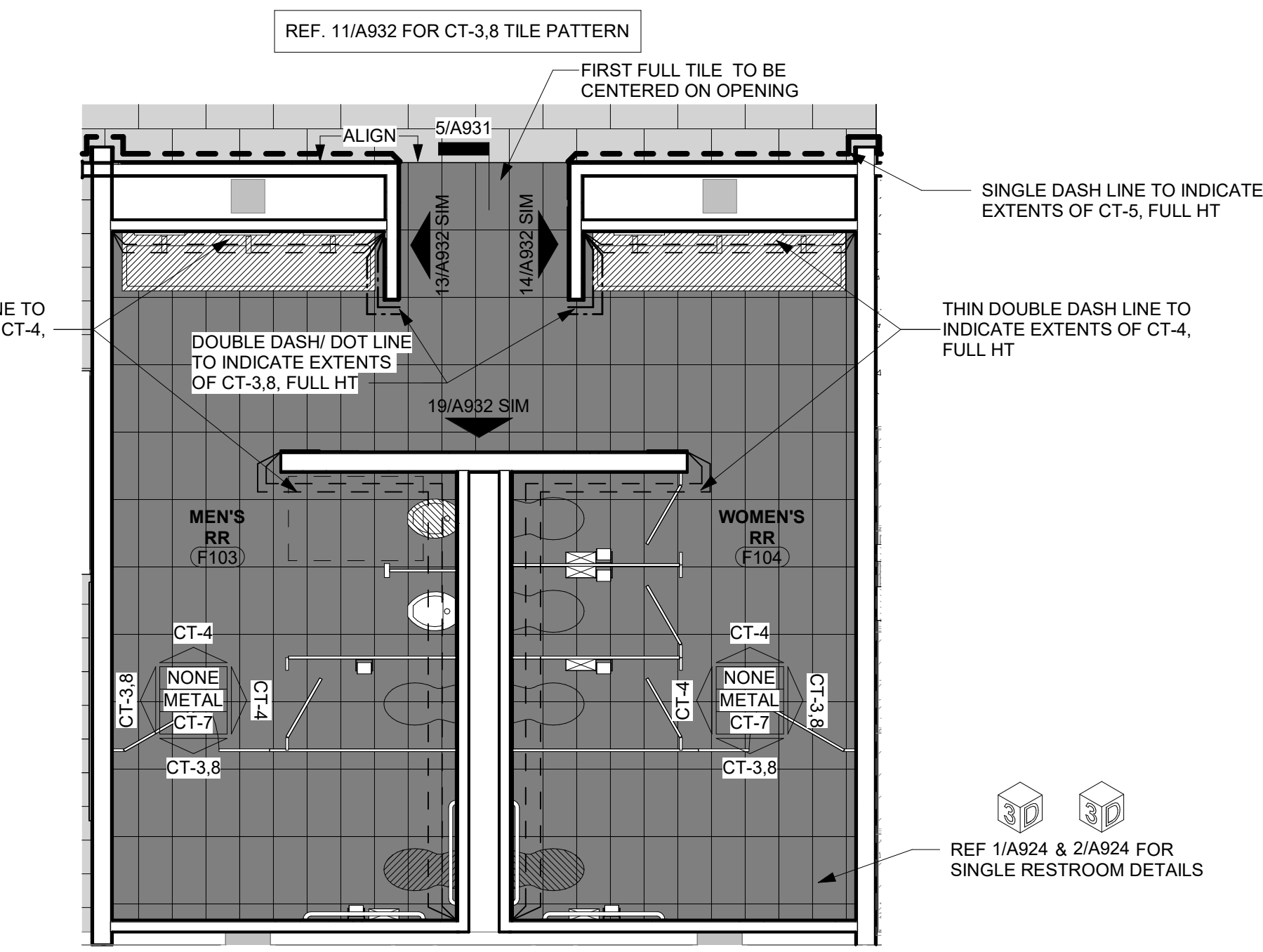




1 Finish Floor Plan - Level 0.5 Unit E - RR - E109, E110
1/4" = 1'-0"



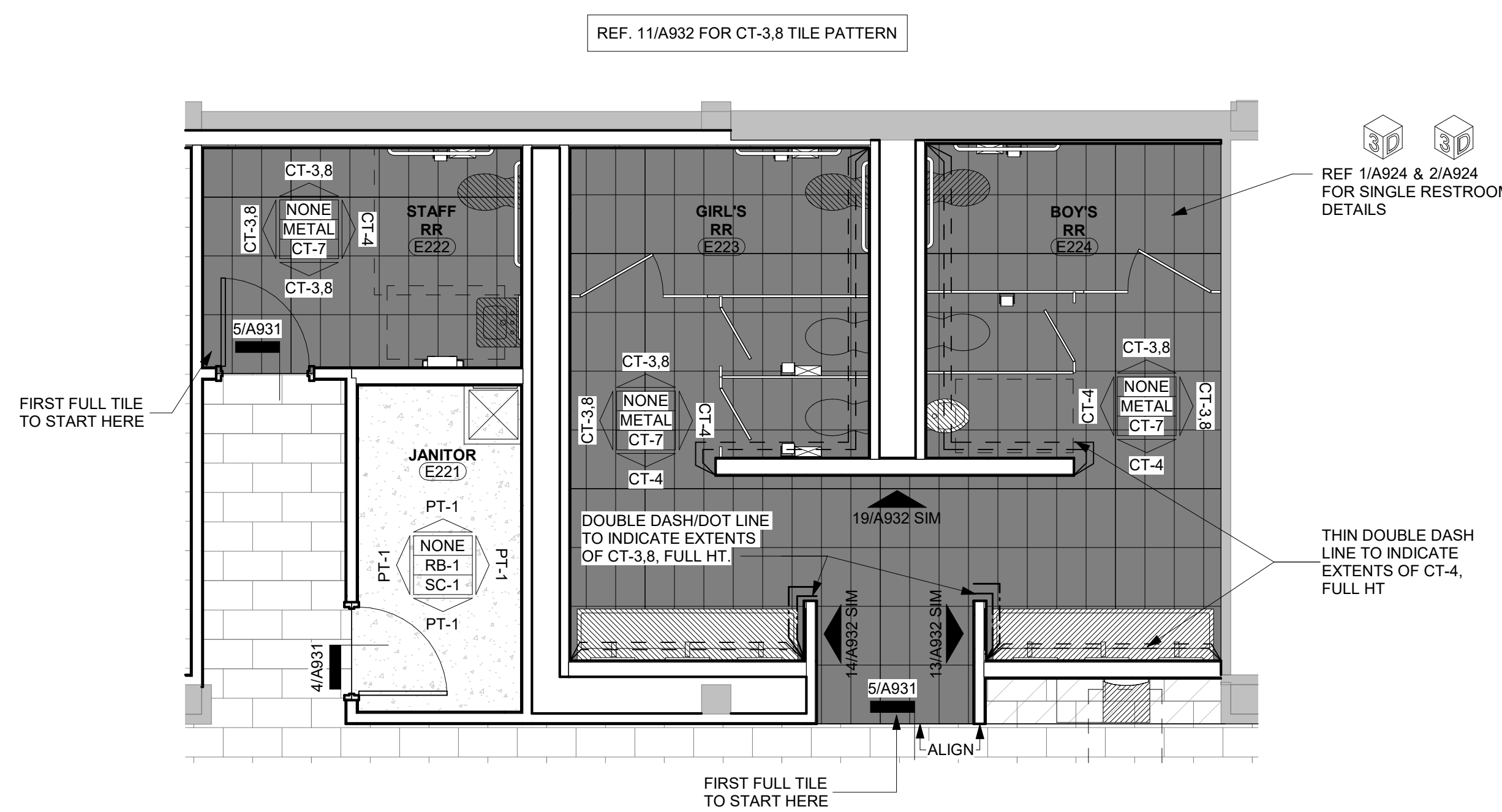
2 Finish Floor Plan - RR - E120
1/4" = 1'-0"



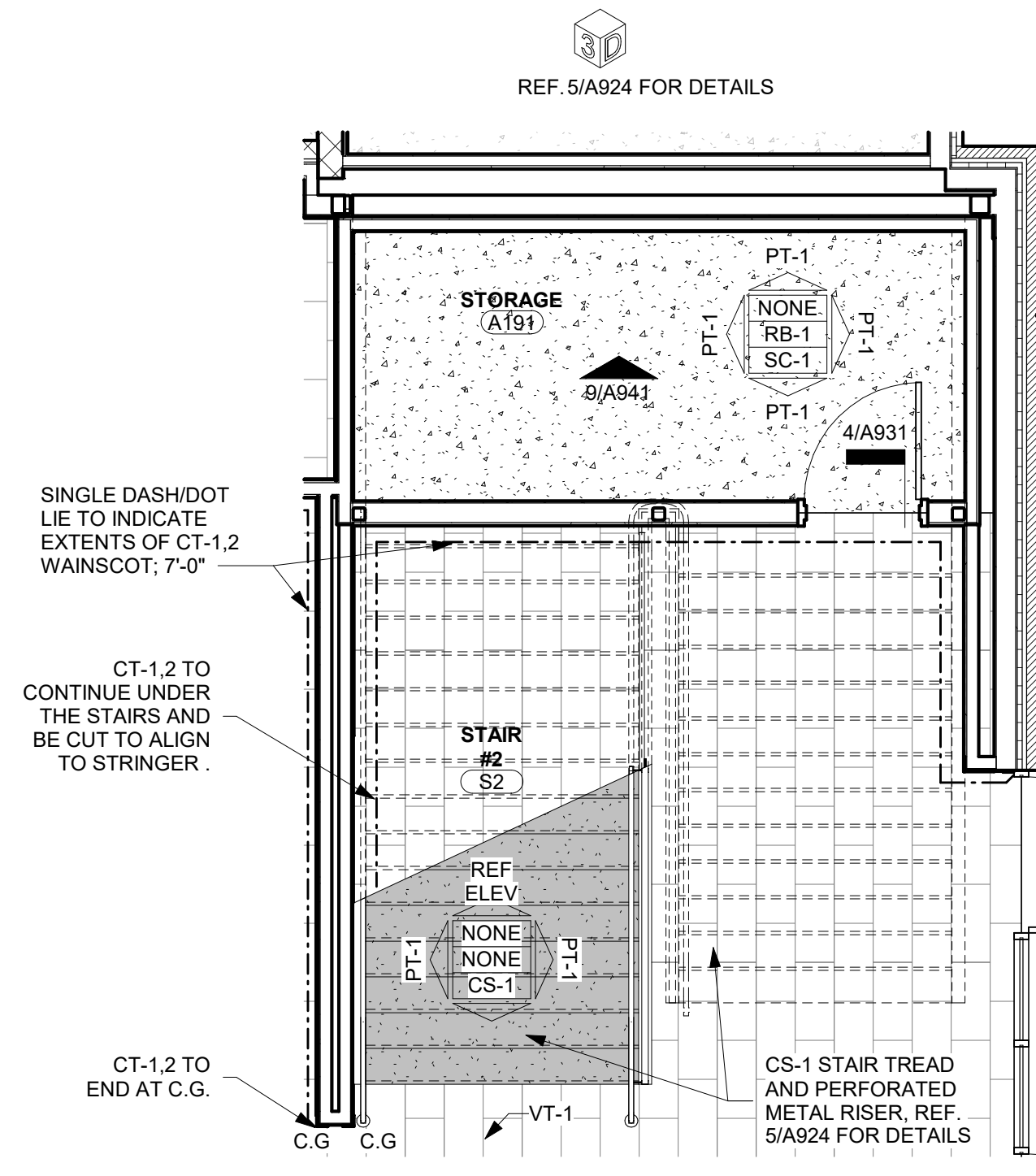
3 Finish Floor Plan - Level 1.5 Unit F - RR - A239, A241
1/4" = 1'-0"

RESILIENT TILE	CERAMIC TILE	MISC. FLOORING
VT-1	CT-7	SC-1
VT-2		WF-1
VT-3		WS-1
		TCF-1
		RF-1
		MF-1
		CS-1
		UP-4
PAINT COLOR		CARPET TILE
PT-1	CP-1	
PT-3	CP-2	
PT-5	CP-3	
PT-6	CP-4	
PT-8	CP-5	
PT-9	CP-6	
PT-10		
PT-11		
PT-12		
PT-13		
PT-14		
PT-15		
SOLID SURFACE		PLASTIC LAMINATE
SS-1	PL-1	
SS-2		

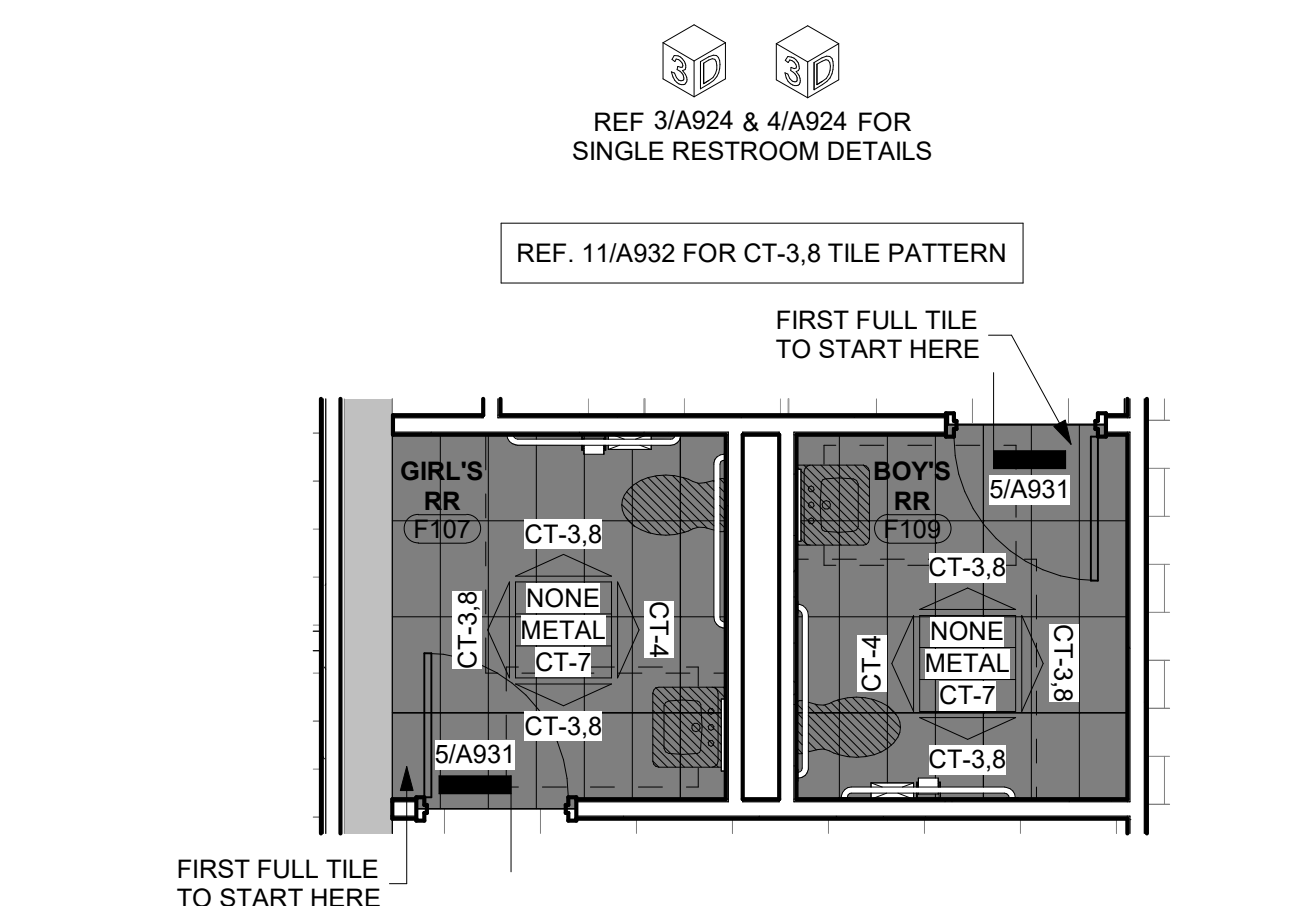
- GENERAL NOTES:**
The following color selections shall be typical unless noted otherwise:
1. Interior Doors = PL - 1
2. Interior HMD Doors and Door Frames = PT - 4
3. Rubber Base = RB - 1
4. All cabinets to be PL - 1. Unless noted otherwise.
5. All countertops to be SS-1 unless noted otherwise.
6. All interior window sills to be Prefinished Aluminum to match storefront finish, unless noted otherwise PAINTED PT-4.
7. Field resilient tile = VT - 1
8. All Columns to receive GFRG to be Painted PT-1
9. Ref Specs to see which walls are to be Reinforced Gyp.
- General Notes:**
1. Provide ceramic tile metal trim accessory at outside corners, at top of wainscot, and at exposed edge at ceramic tile transitions. Ref. A900s
2. Provide Corner Guards at all outside edges where gyp. board is exposed. Ref 200 sheets. Corner Guards to be painted to match wall finishes, ref. A900 sheets.
3. Control joints are required at the bottom and top of all wall penetrations and occurring no more than 25'-0" apart on all walls, in both vertical and horizontal direction, unless noted in interior elevations.
4. Provide pre-formed inside and outside corner for rubber base.



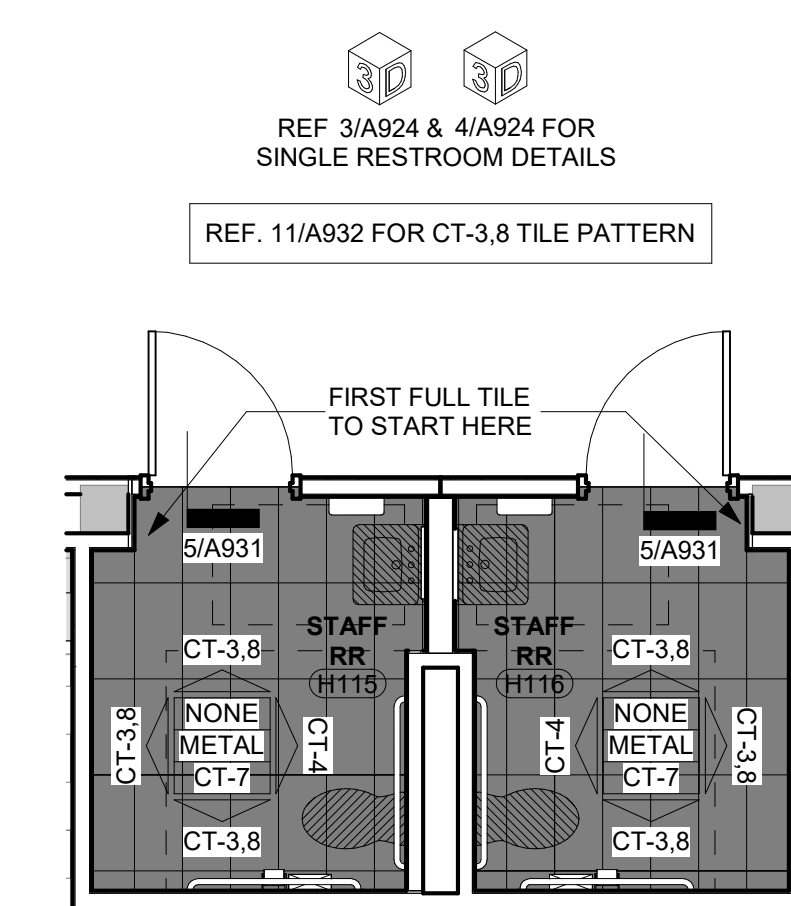
4 Finish Floor Plan - Level 1 Unit E - RR - E208, E209, E210, E211
1/4" = 1'-0"



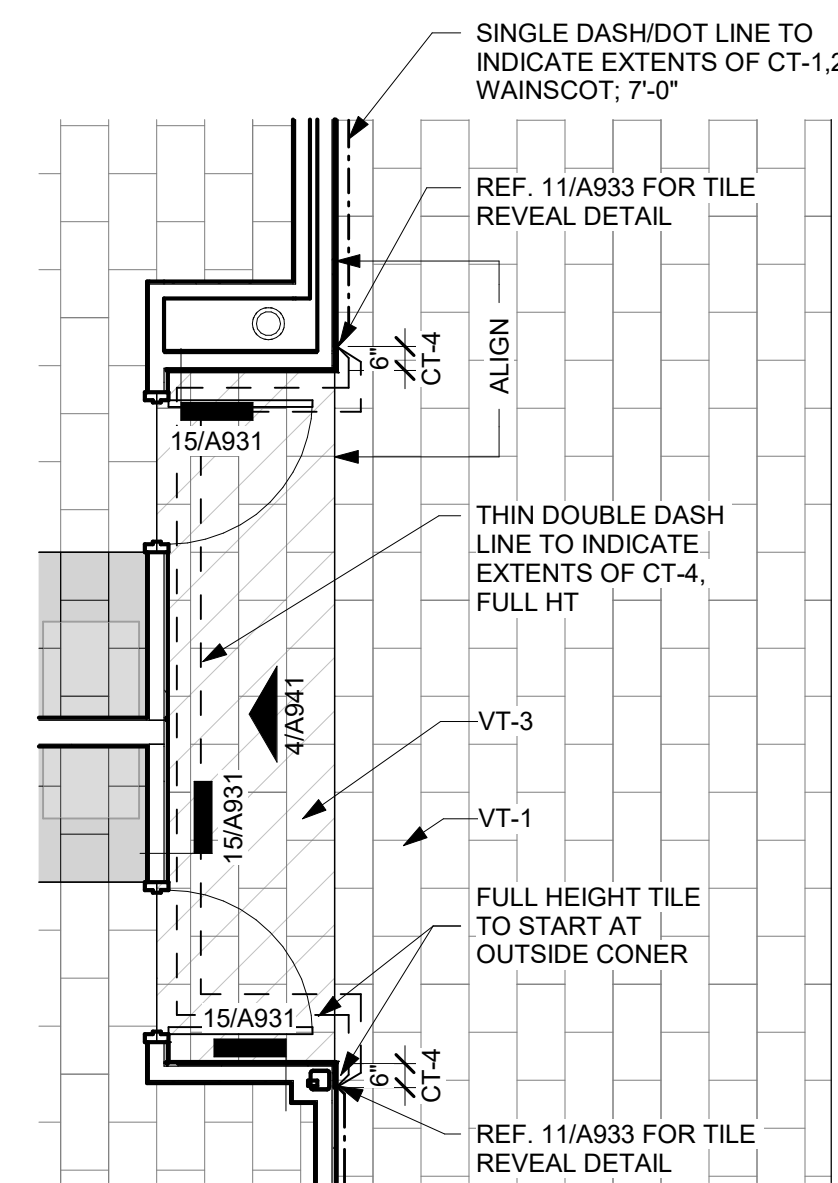
5 Finish Floor Plan - Level 1 Unit A.1 - Stair #2
1/4" = 1'-0"



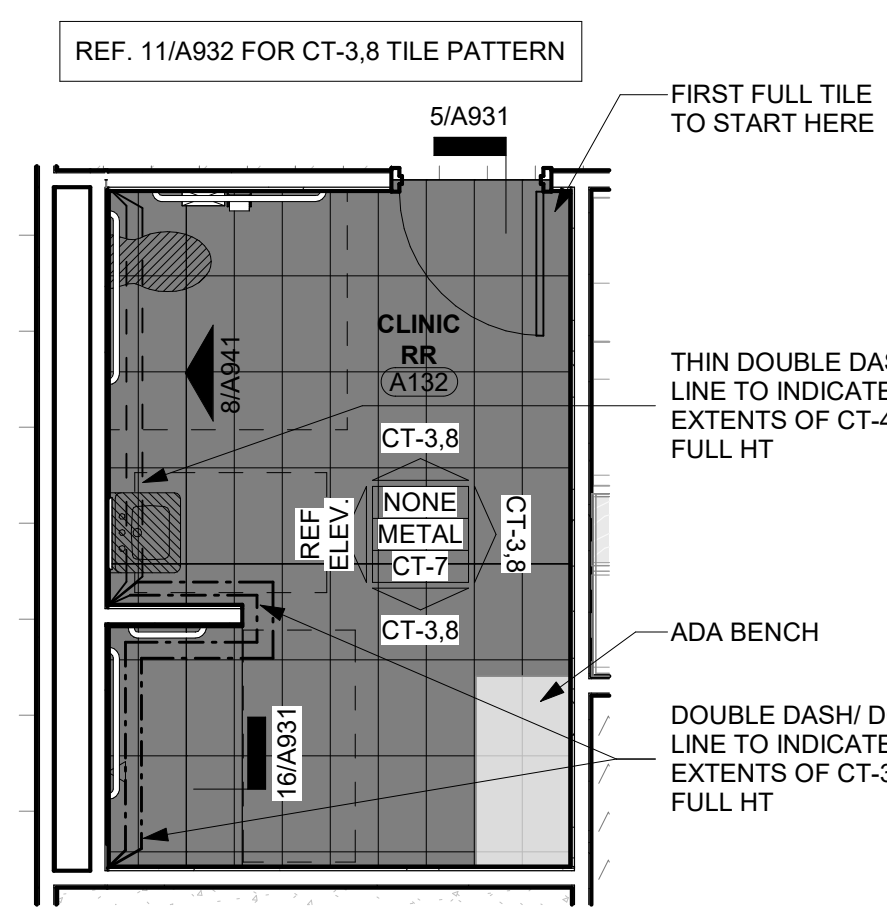
6 Finish Floor Plan - Level 1.5 Unit F RR - F107 F109
1/4" = 1'-0"



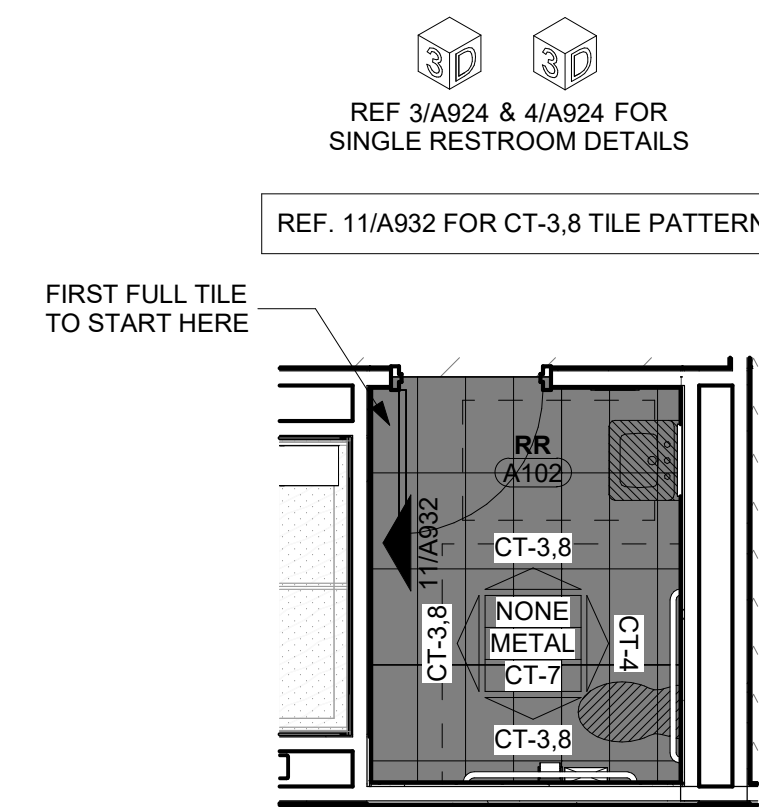
7 Finish Floor Plan - Level 1.5 Unit H - Staff RR - S116, S117
1/4" = 1'-0"



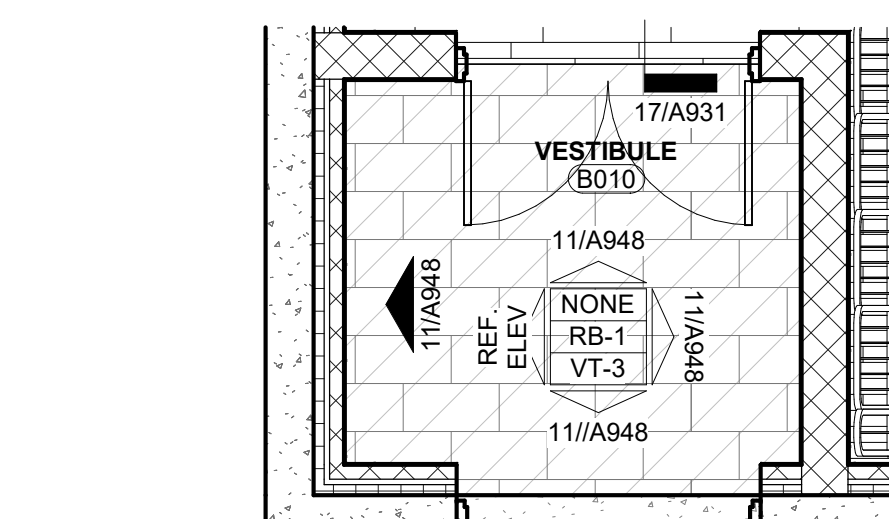
8 Typ. Classroom Entryway Tile Location
1/4" = 1'-0"



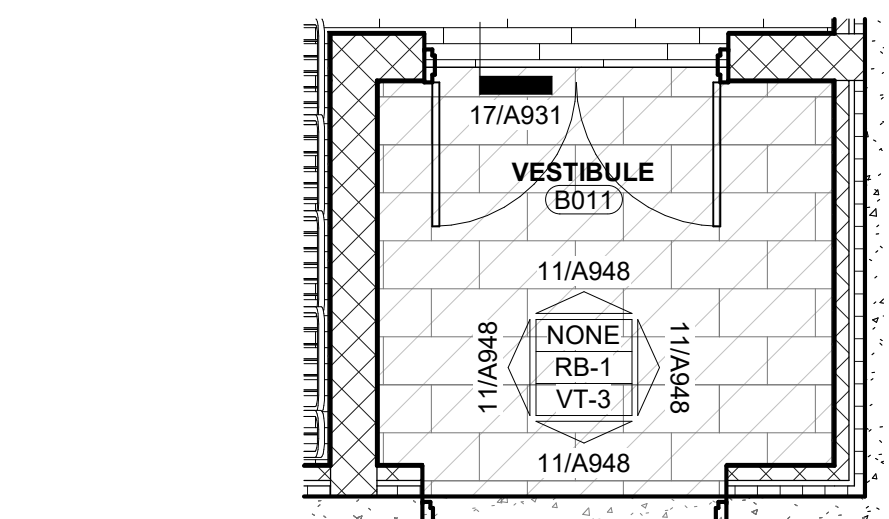
9 Finish Floor Plan - Level 1 Unit A - Clinic RR - A132
1/4" = 1'-0"



10 Finish Floor Plan - Typical RR.
1/4" = 1'-0"

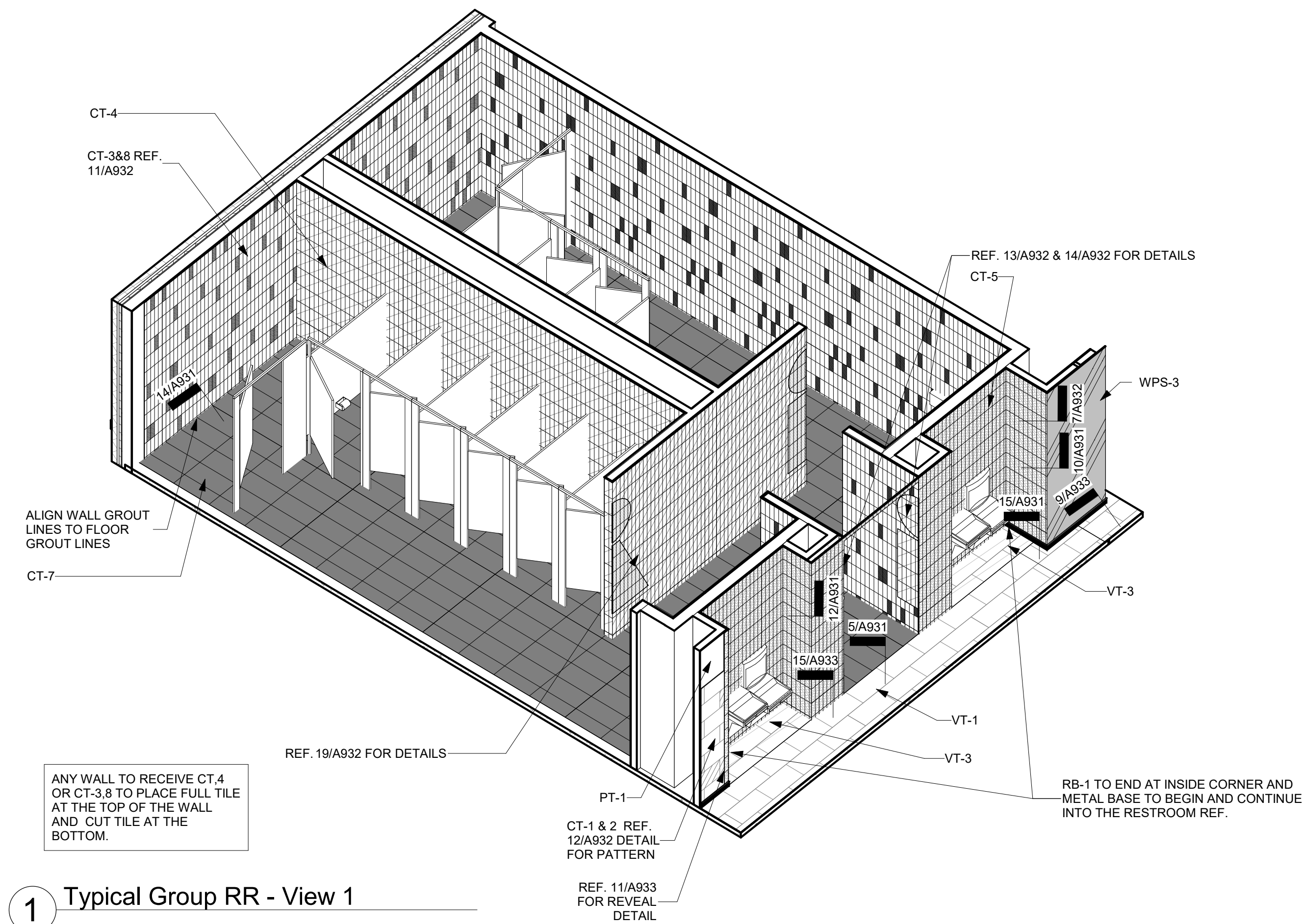


11 Finish Floor Plan - Level 0 Unit B - Vestibule B010
1/4" = 1'-0"

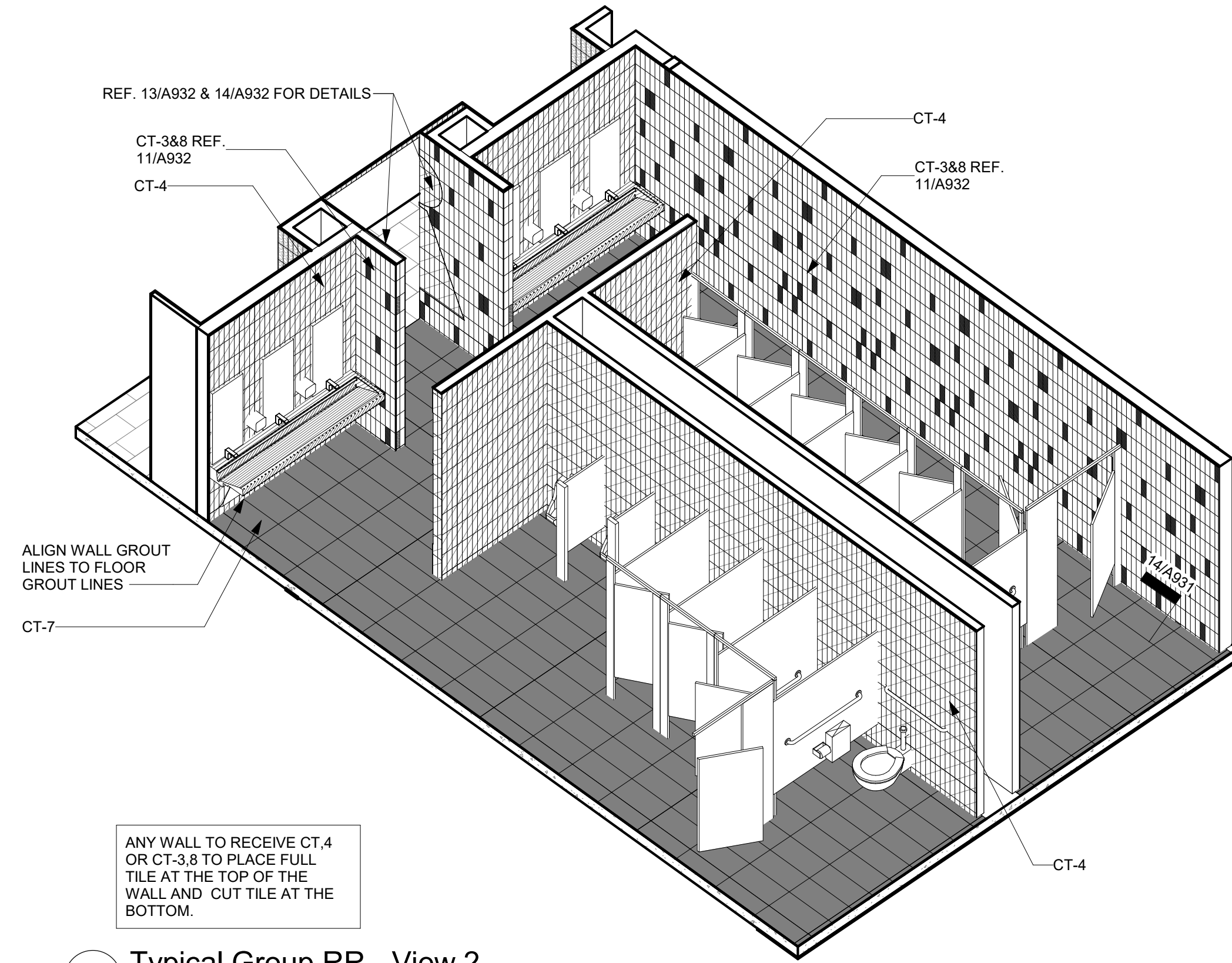


12 Finish Floor Plan - Level 0 Unit B - Vestibule B011
1/4" = 1'-0"

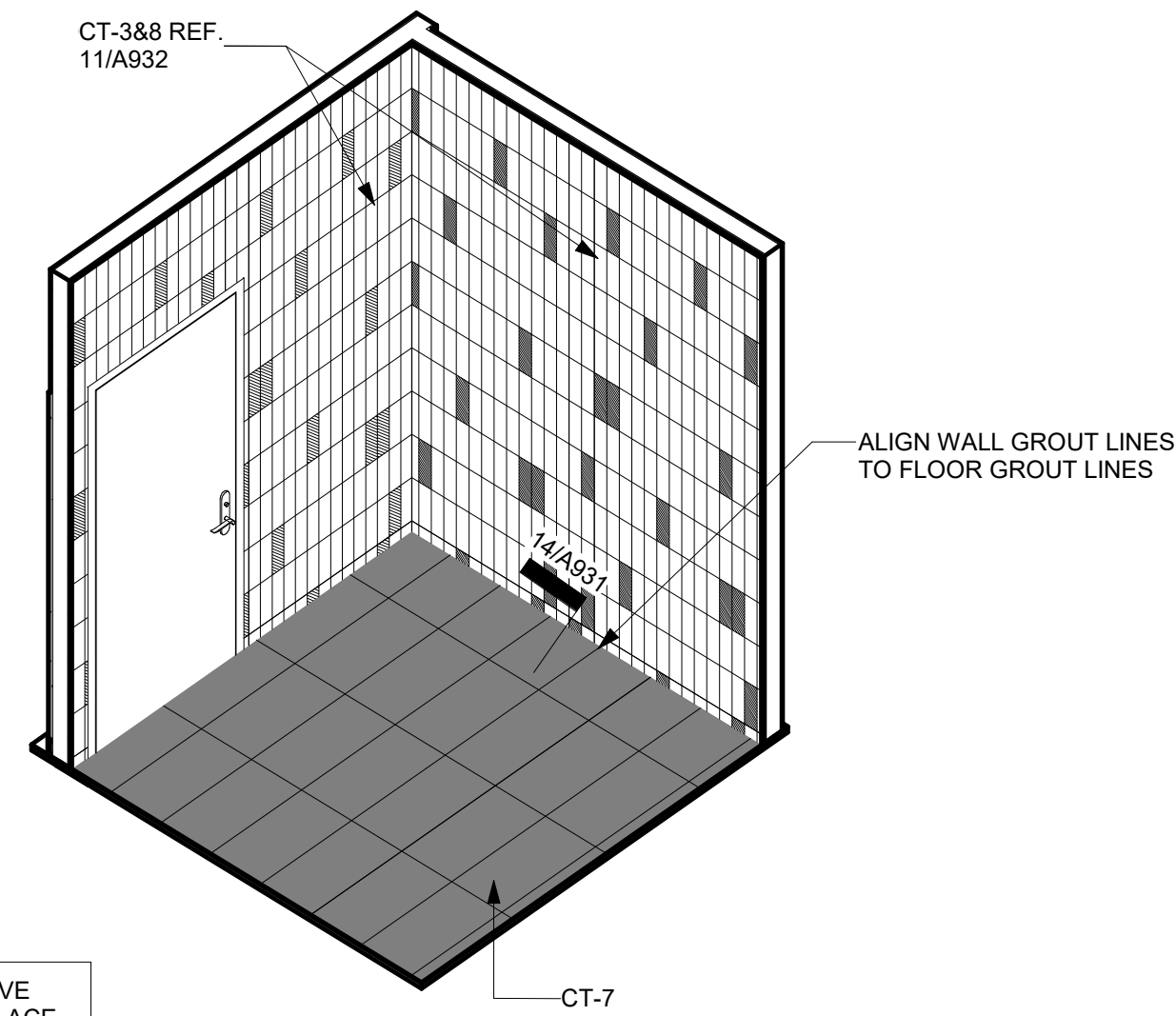
FINISH FLOOR PLAN SYMBOLS LEGEND		
	Callout Tag	Single Dash/Dot Line to Indicate Extents of CT-1.2 Wainscot; 7'-0"
	Interior/Casework Elevation	Double Dash/ Dot Line to Indicate Extents of CT-3.8, Full HT
	Floor Drain	Single Dash Line to Indicate Extents of CT-5, Full HT
	Enlarged Detail View	Thin Double Dash Line to Indicate Extents of CT-4, Full HT
	Centerline	Triple Large Dash/Small Dash Line to Indicate Extents of CT-6, Full HT
	Room Tag and Number	Single Small Dash Line to Indicate Extents of CT-11, Full HT
	Furniture and Equipment, By Owner	Triple Dash/Dot Line to Indicate Extents of WPS-1, Full HT and Ceiling
	Thick Double Dash Line to Indicate Extents of PT-6	Triple Dash Line to Indicate Extents of WPS-2, Full HT
	Thick Triple Dash Line to Indicate Extents of PT-1	Thin Triple Dash/Dot Line to Indicate Extents of WPS-3, Full HT and Ceiling
	Single Large Dash/Small Dash Line to Indicate Extents of WW-1, Full HT, Ref Elev. For Details	Quadruple Dash Line to Indicate Extents of WPS-4, Full HT
	Thin Single Dash/Dot Line to Indicate Extents of CT-4, Full HT	Thick Single Dash/Dot Line to Indicate Extents of WW-1, Full HT, Ref Elev. For Details



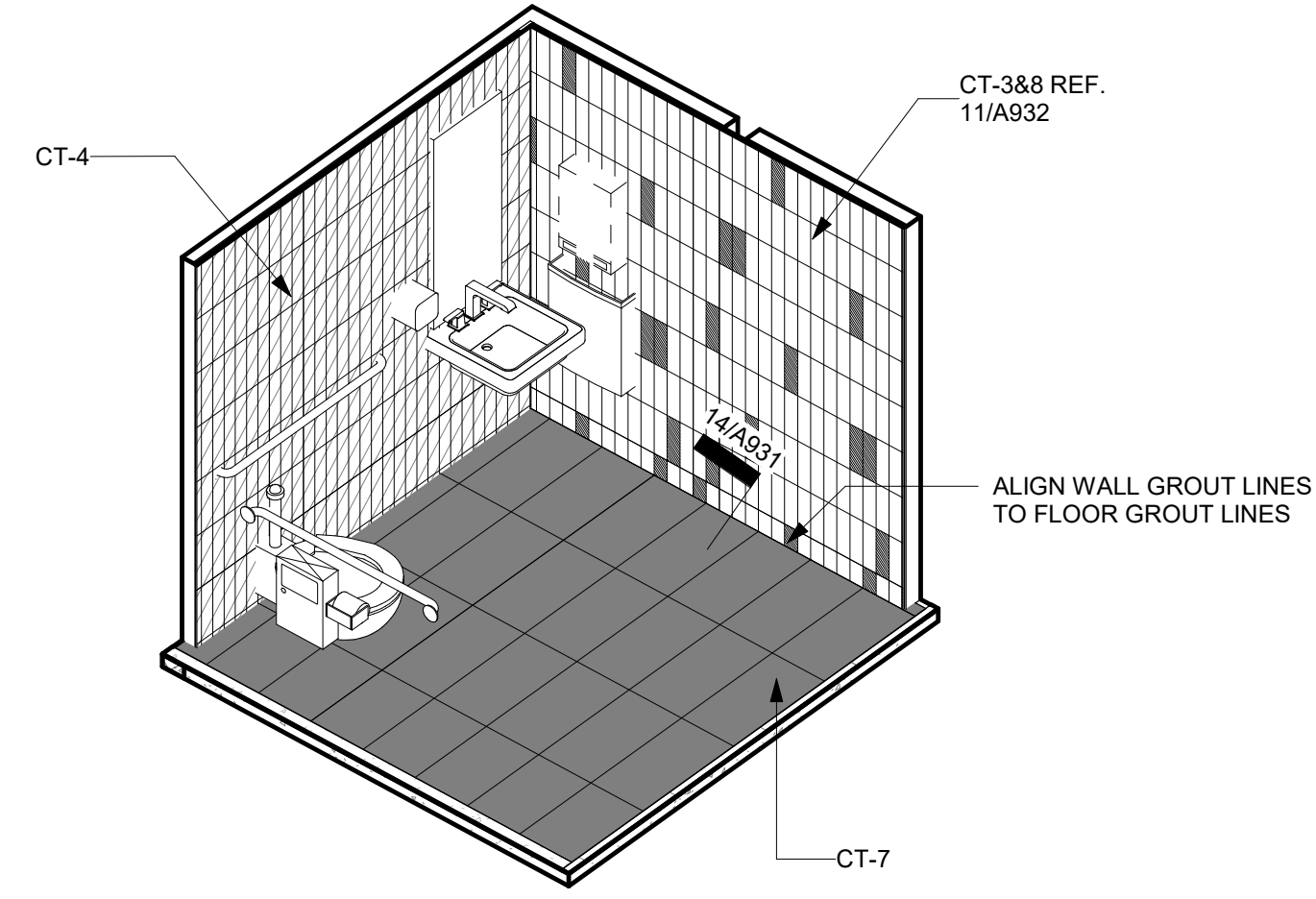
1 Typical Group RR - View 1



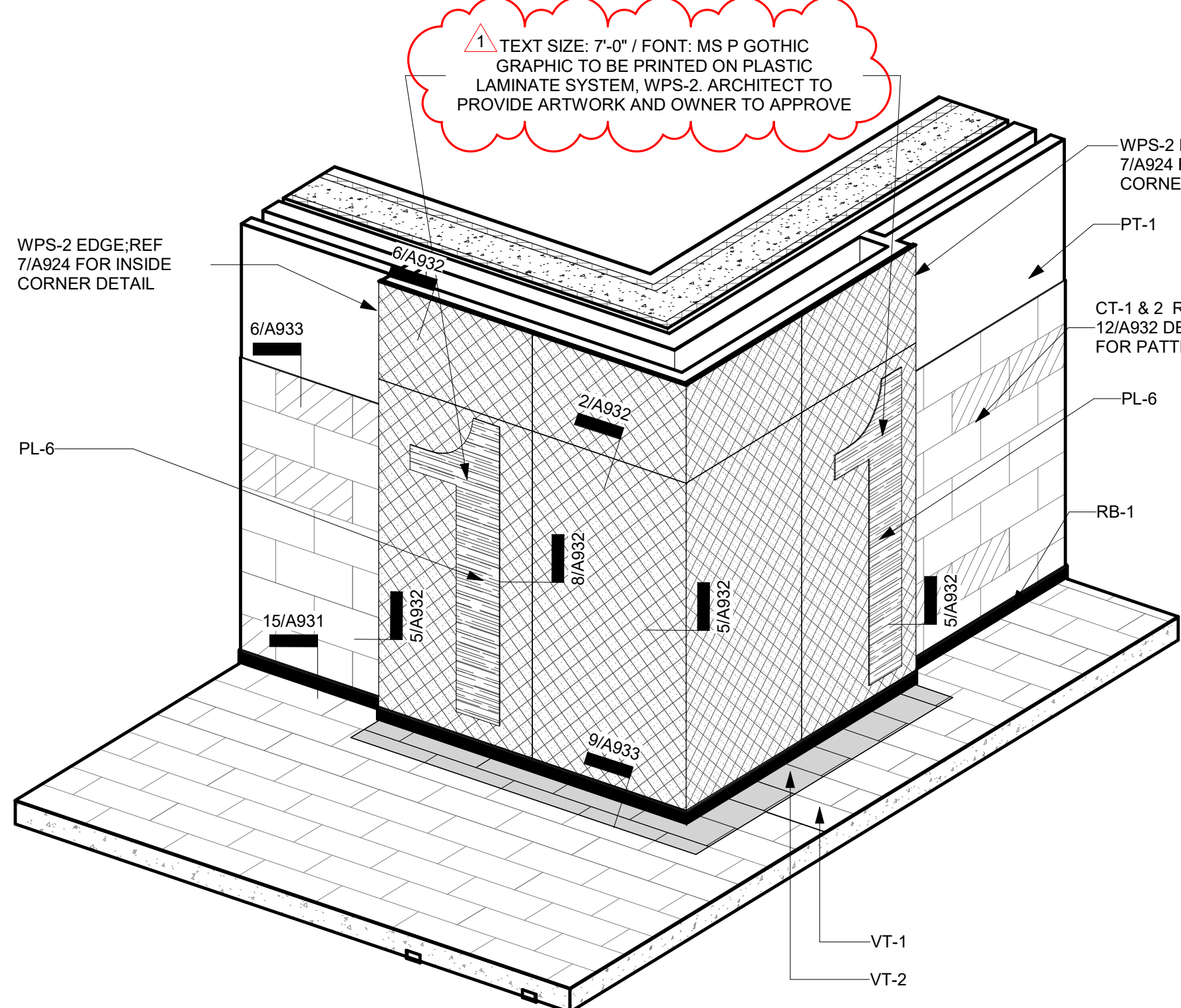
2 Typical Group RR - View 2



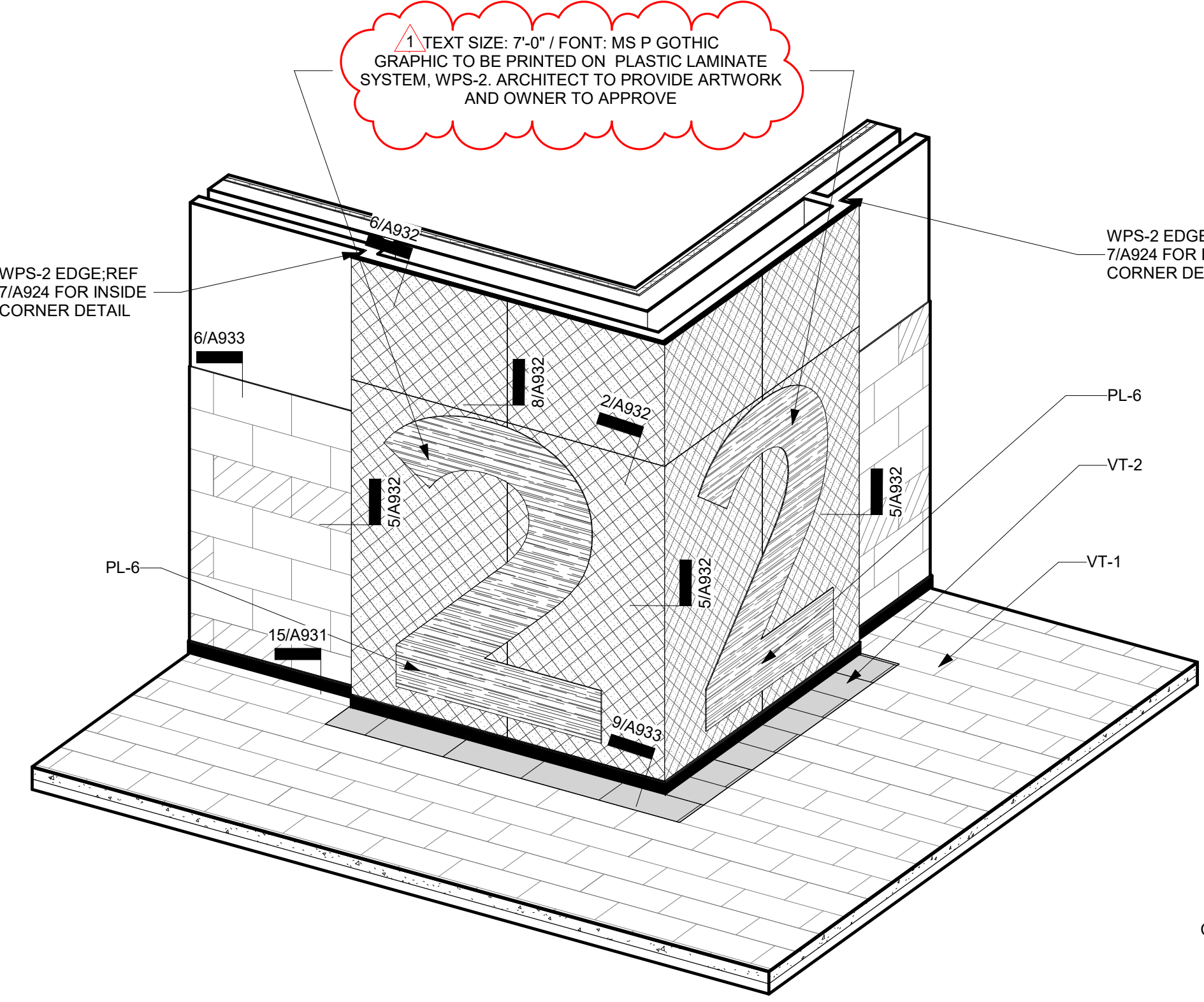
3 Typical Single RR - View 1



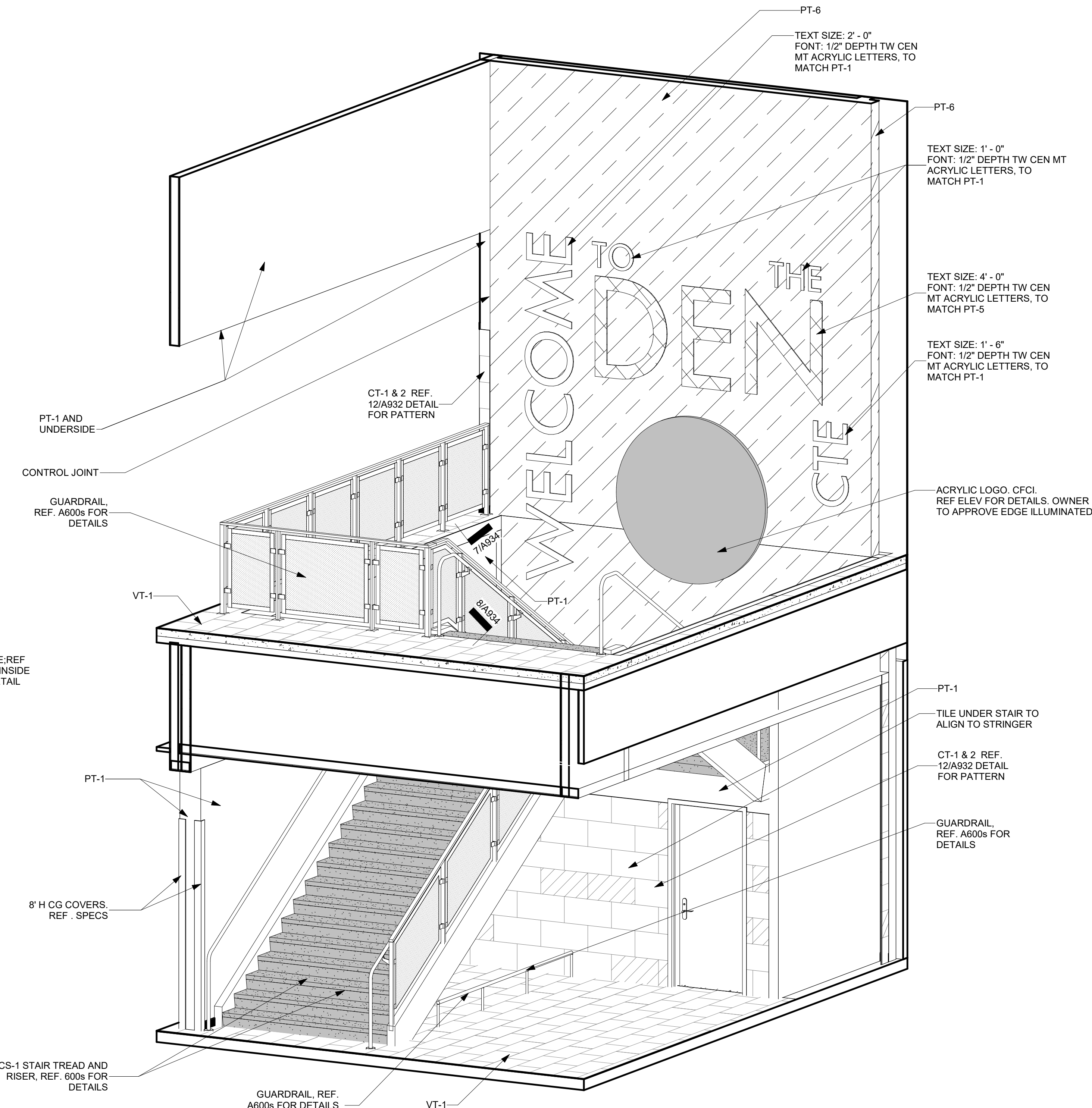
4 Typical Single RR - View 2



6 Axon - Wayfinding Signage - Level 1



7 Axon - Wayfinding Signage - Level 2



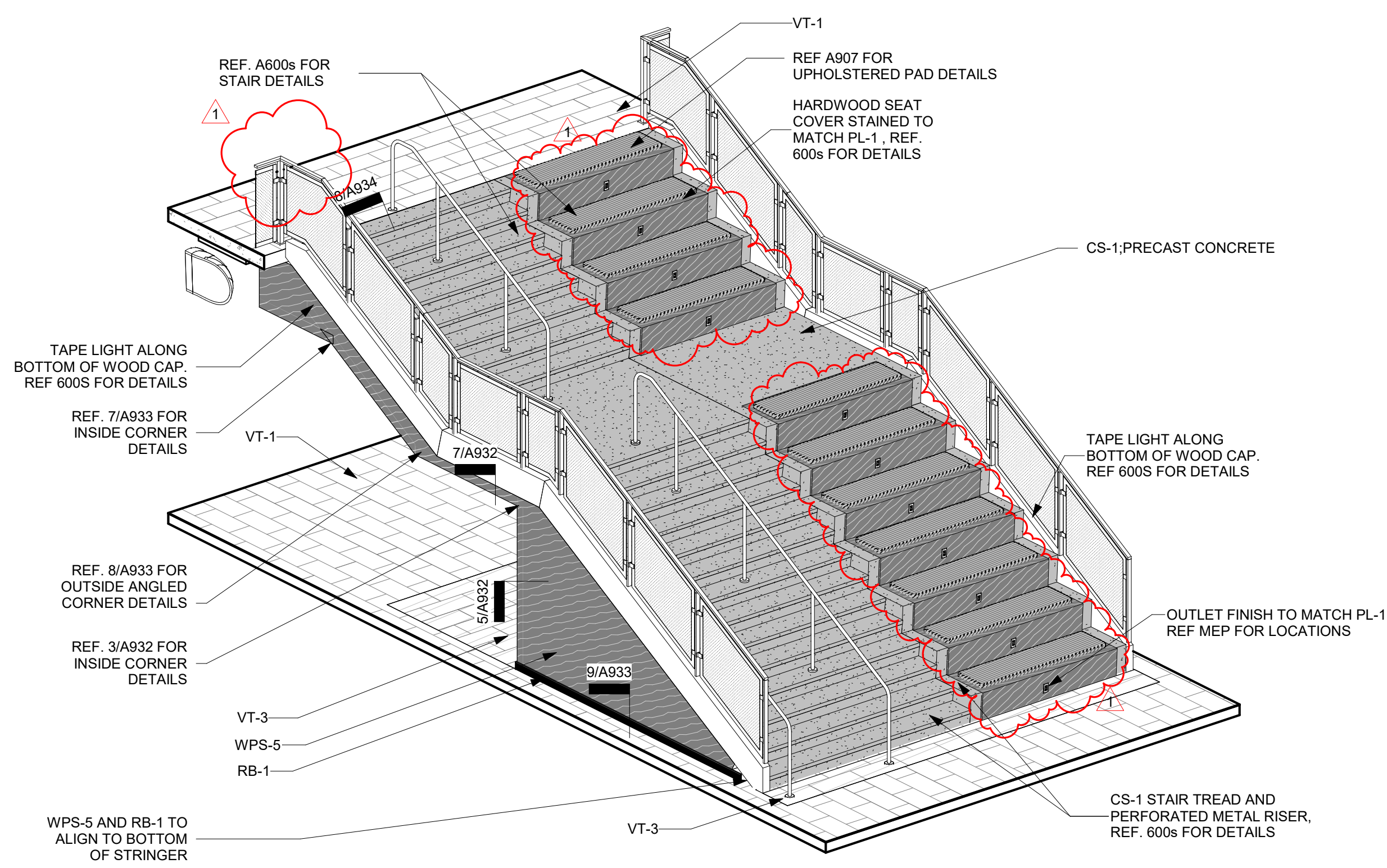
5 Axon - Stair S2 Level 1 Unit A.1

REVISIONS:	
No.	Date
1	Addendum #1 09/19/2024

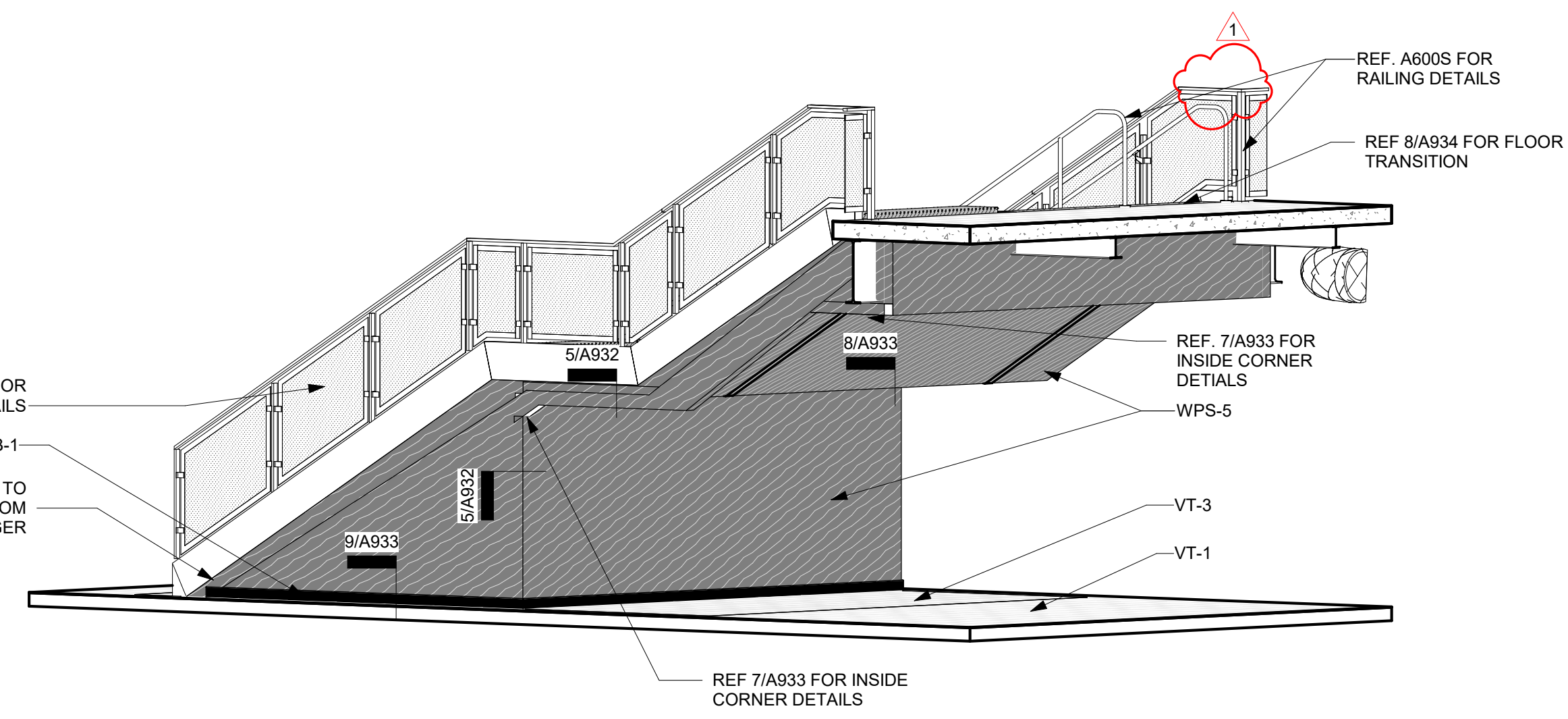
JOB NO. 2399
DATE: 09/19/2024

Interior Axon Views

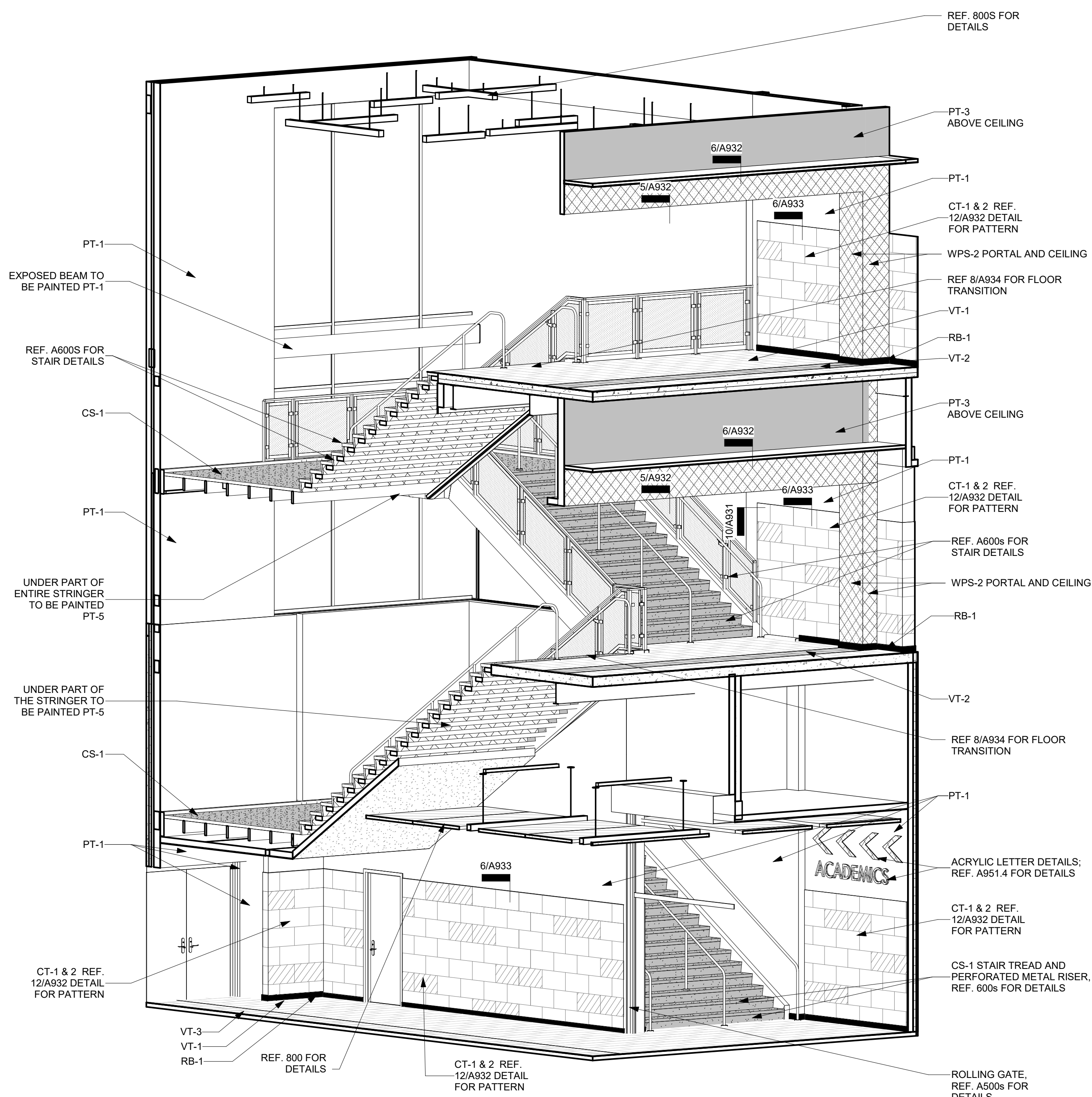
A924



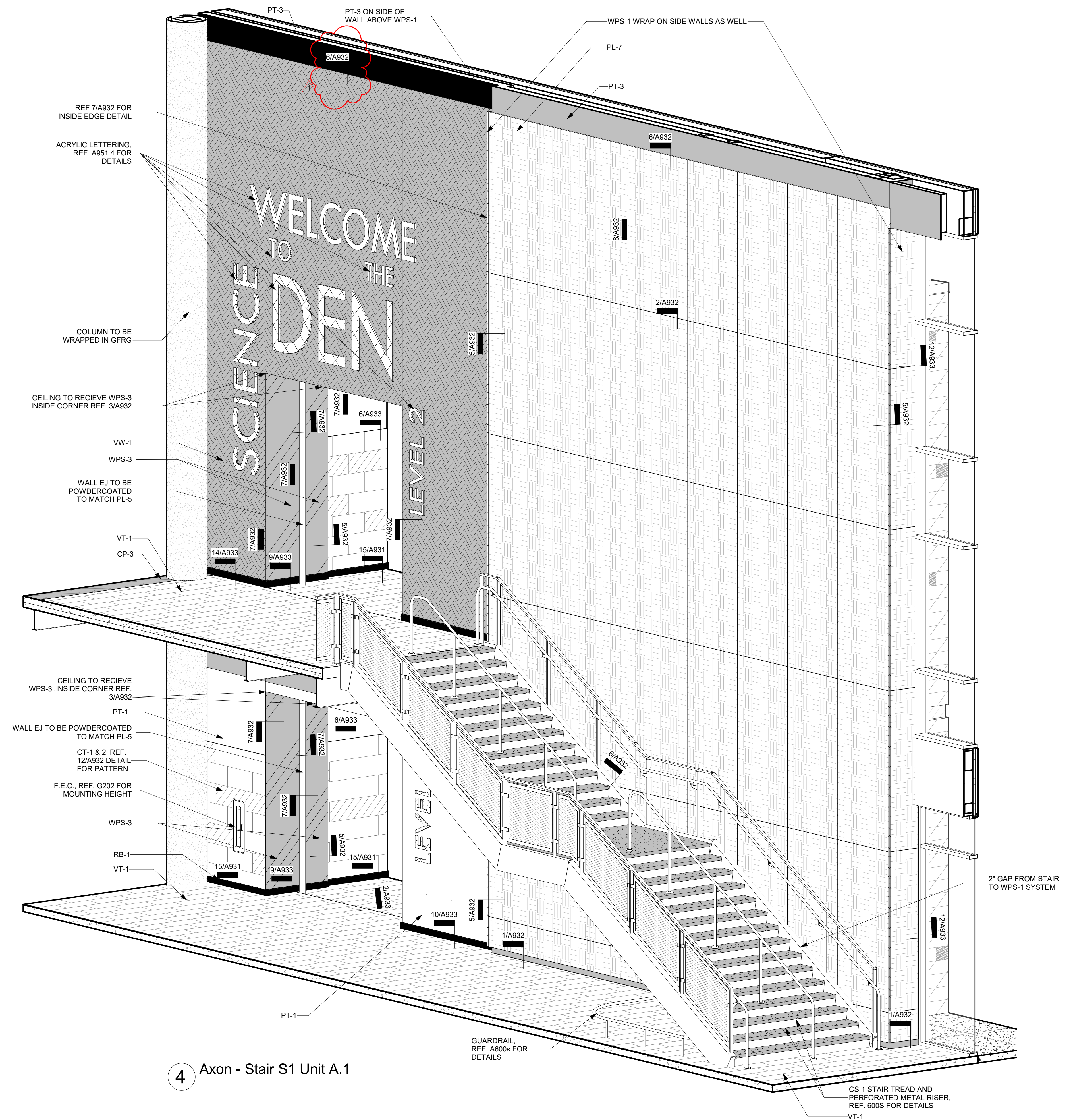
1 Axon - Learning Platform - Level 0.5 Unit C View 1



2 Axon - Learning Platform - Level 0.5 Unit C View 2



3 Axon - Stair S3 Level 0 Unit B



4 Axon - Stair S1 Unit A.1

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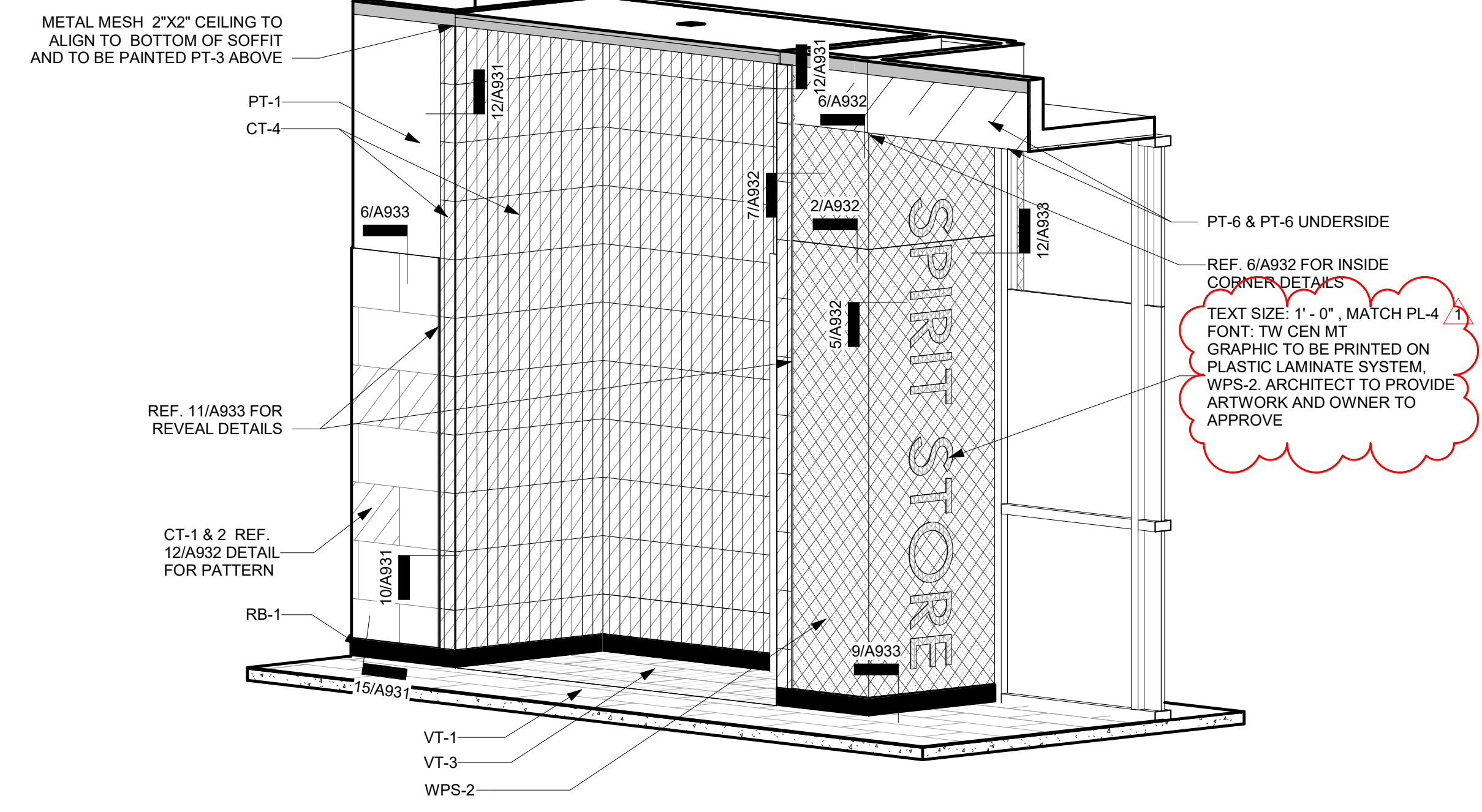
REVISIONS:	
No. 1	Date 09/19/24
Addendum #1	

JOB NO. 2399
DATE: 09/19/2024

Interior Axon Views

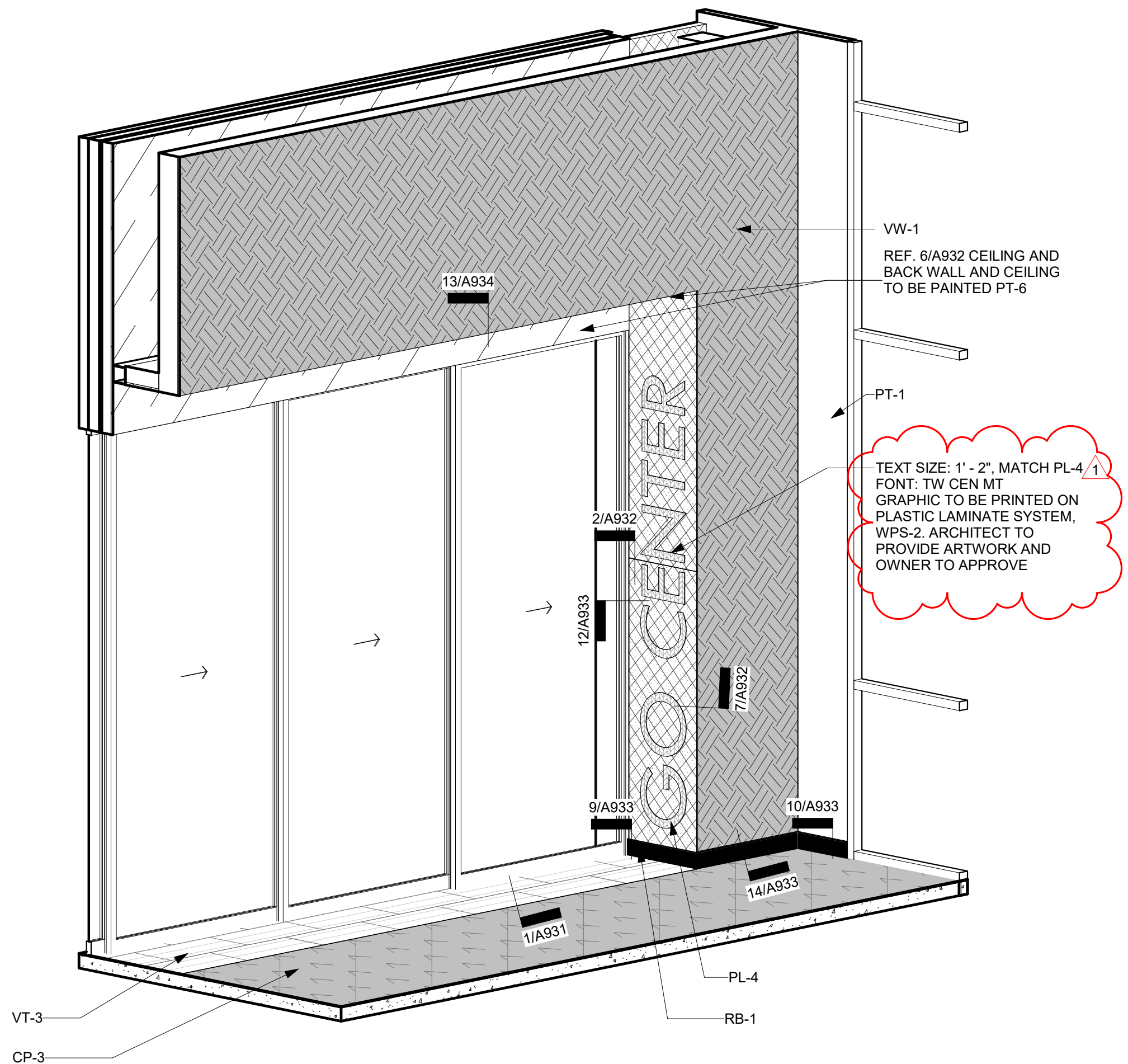
A925

SIGNAGE TEXT TO BE APPROVED BY OWNER



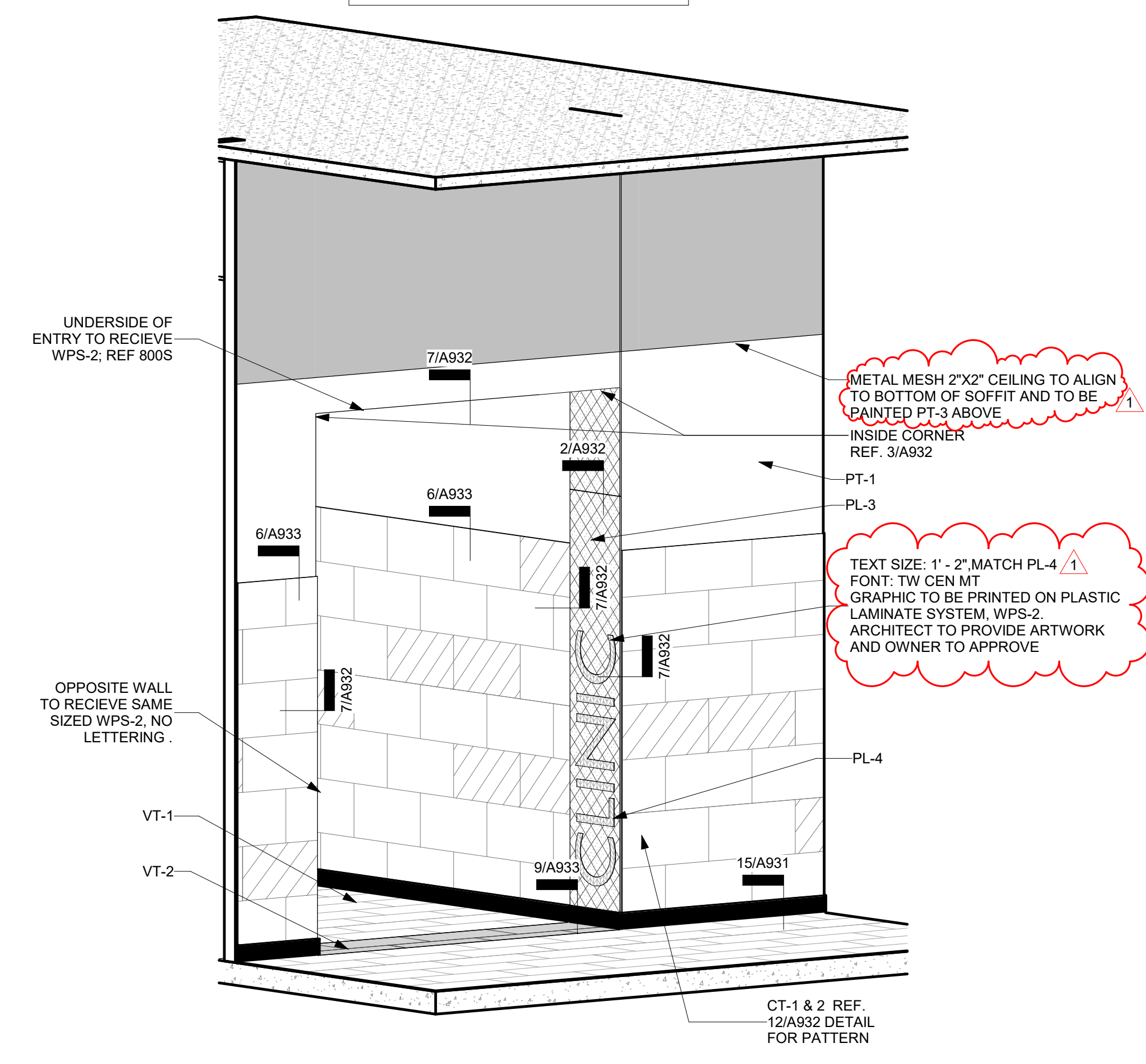
1 Axon - Spirit Store Portal Wall - Level 2 Unit A.1

SIGNAGE TEXT TO BE APPROVED BY OWNER



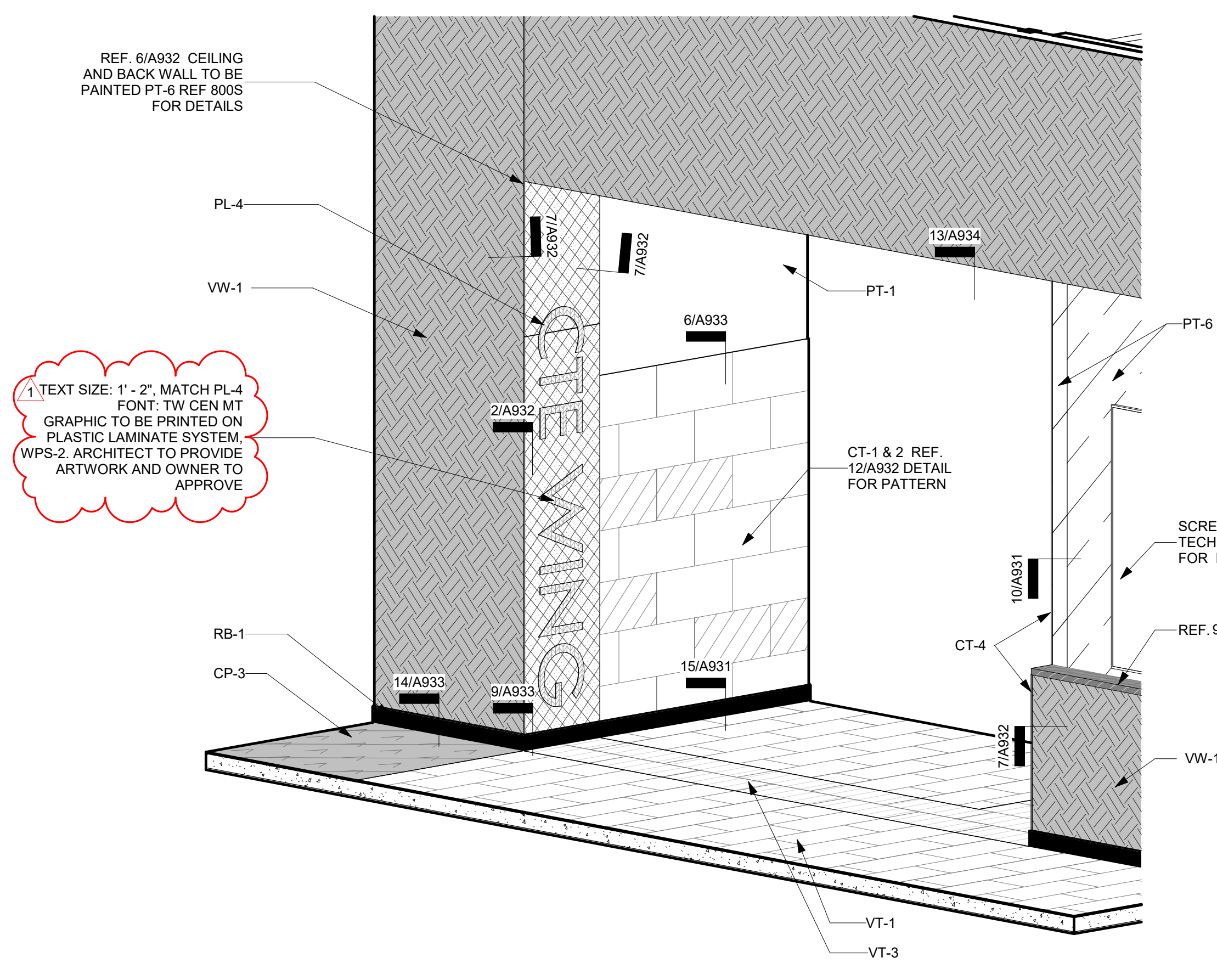
2 Axon - Go Center Portal Wall - Level 2 Unit A.1

SIGNAGE TEXT TO BE APPROVED BY OWNER



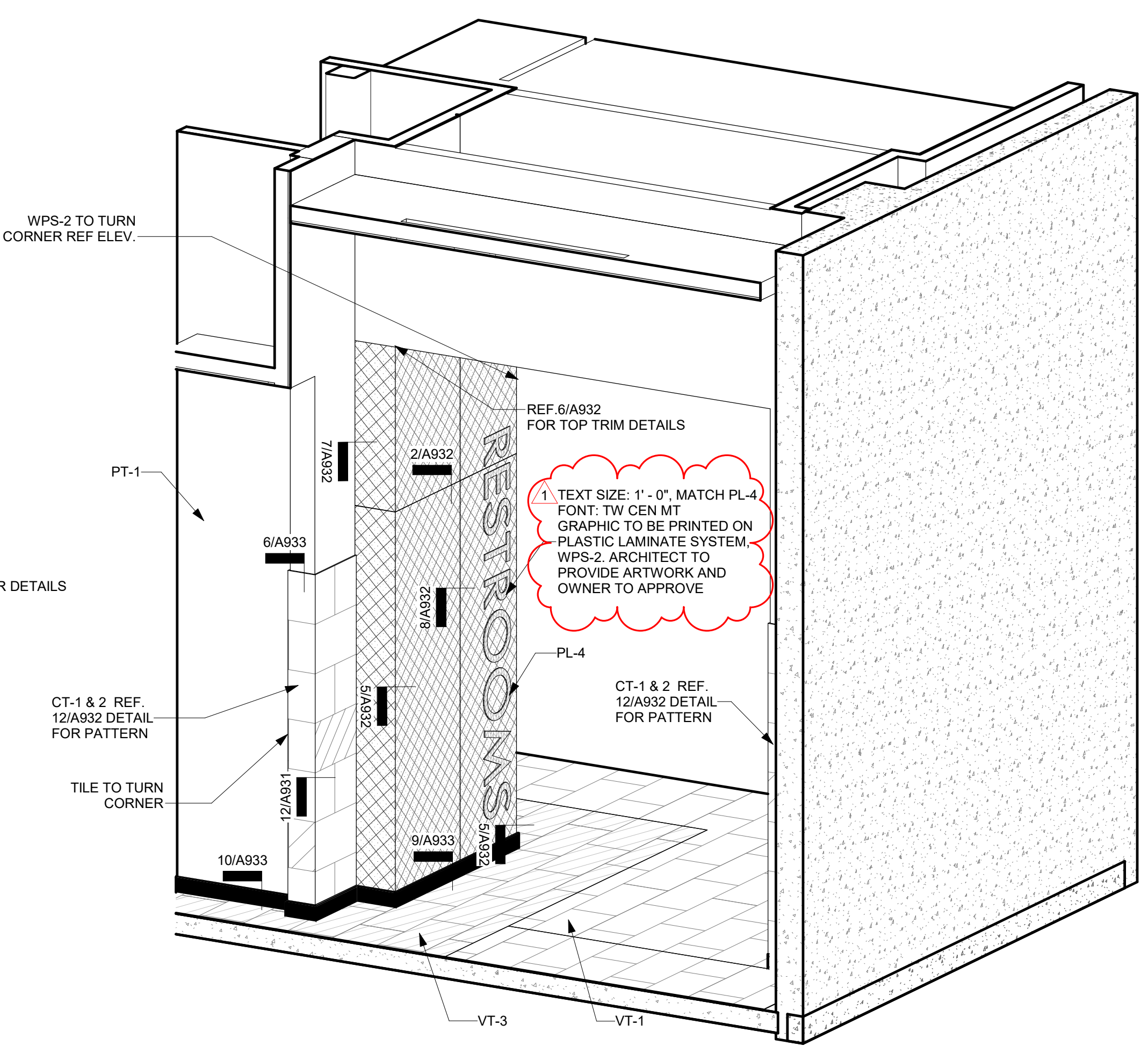
3 Axon - Clinic Wall Level 1 Unit A.1

SIGNAGE TEXT TO BE APPROVED BY OWNER



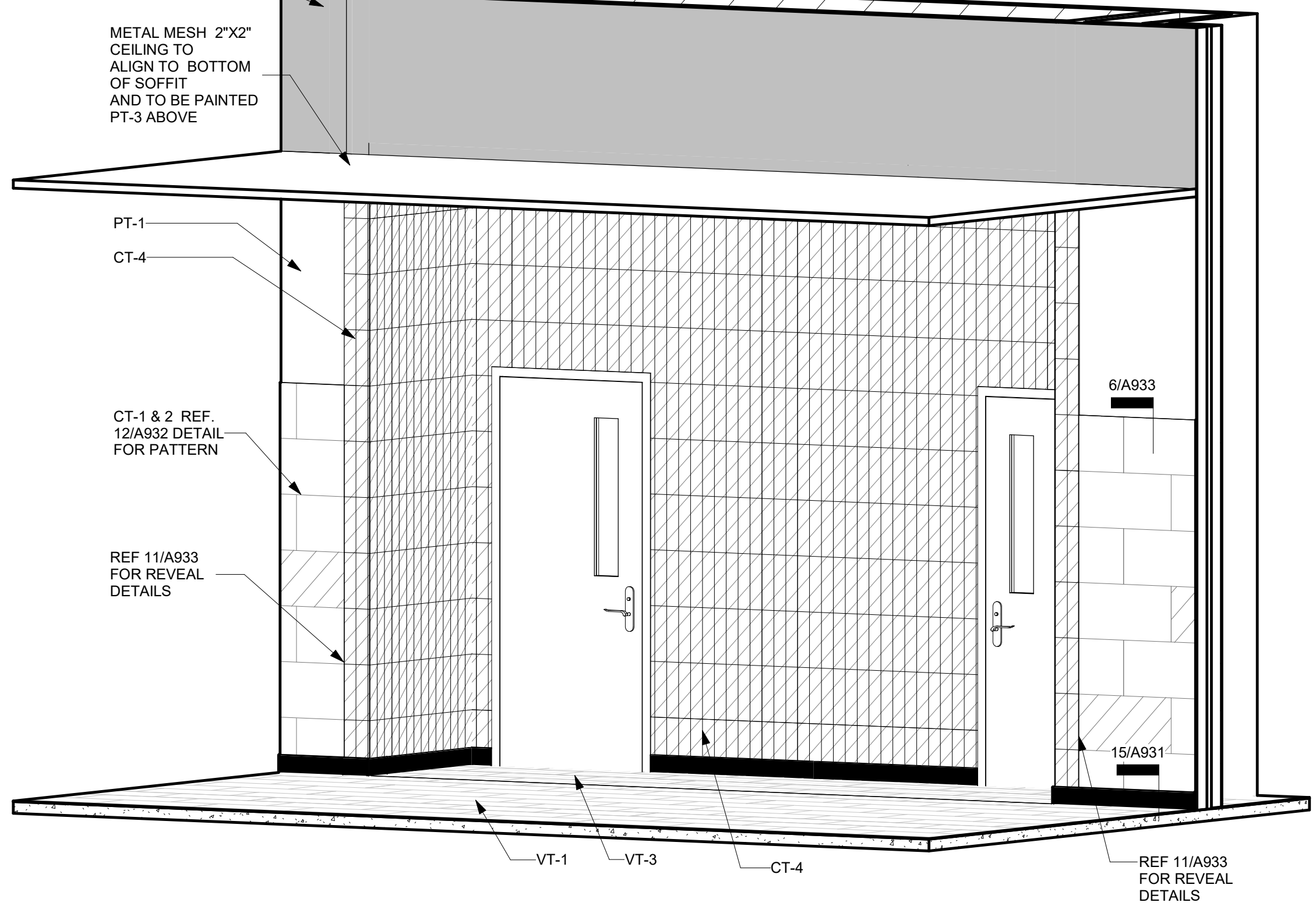
4 Axon - CTE Wing Portal Wall Level 2 Unit A.1

SIGNAGE TEXT TO BE APPROVED BY OWNER

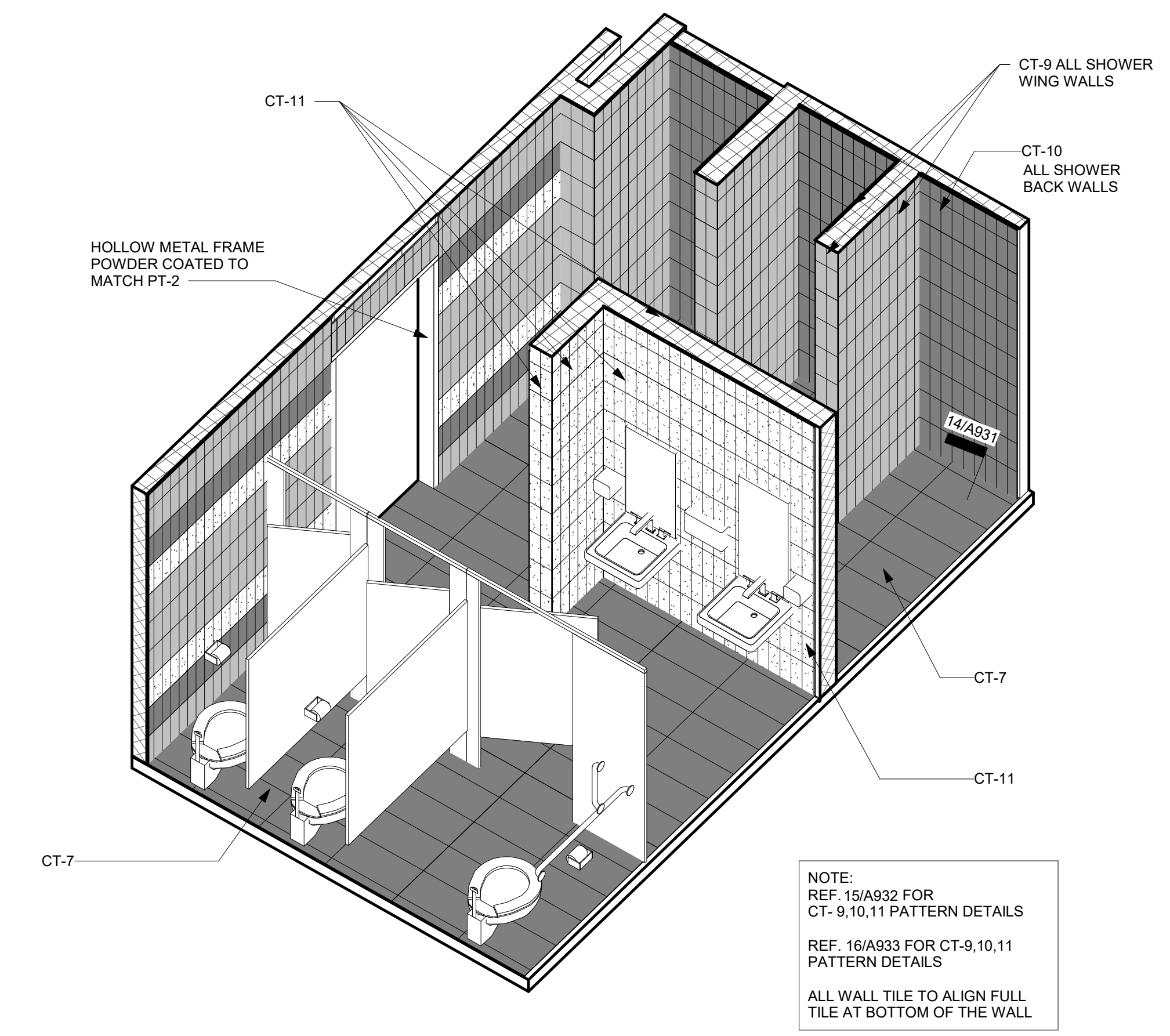
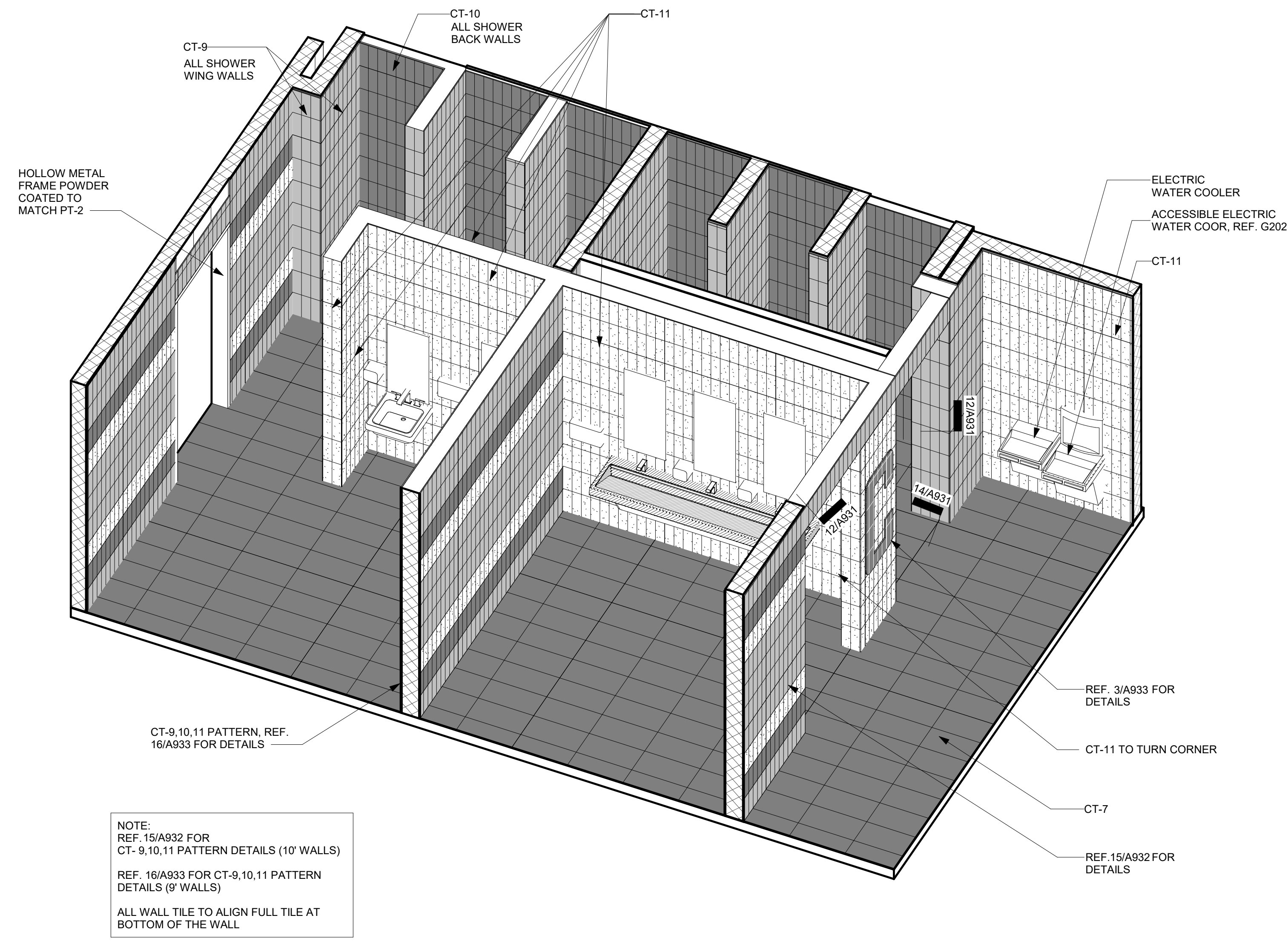


5 Axon - Home Wall Portal - Level 0 Unit B

PT-3

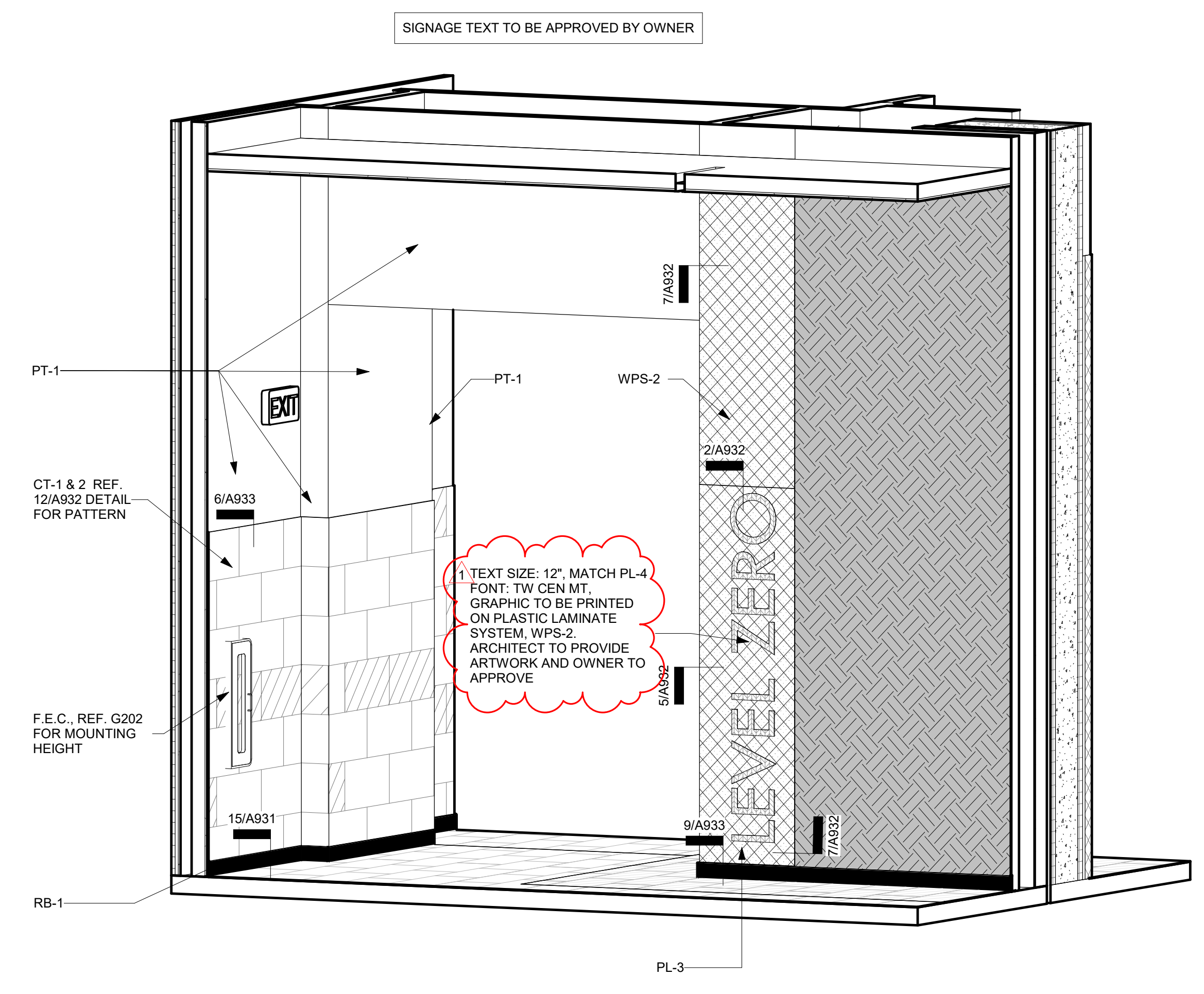


6 Axon - Typ. Classroom Entry

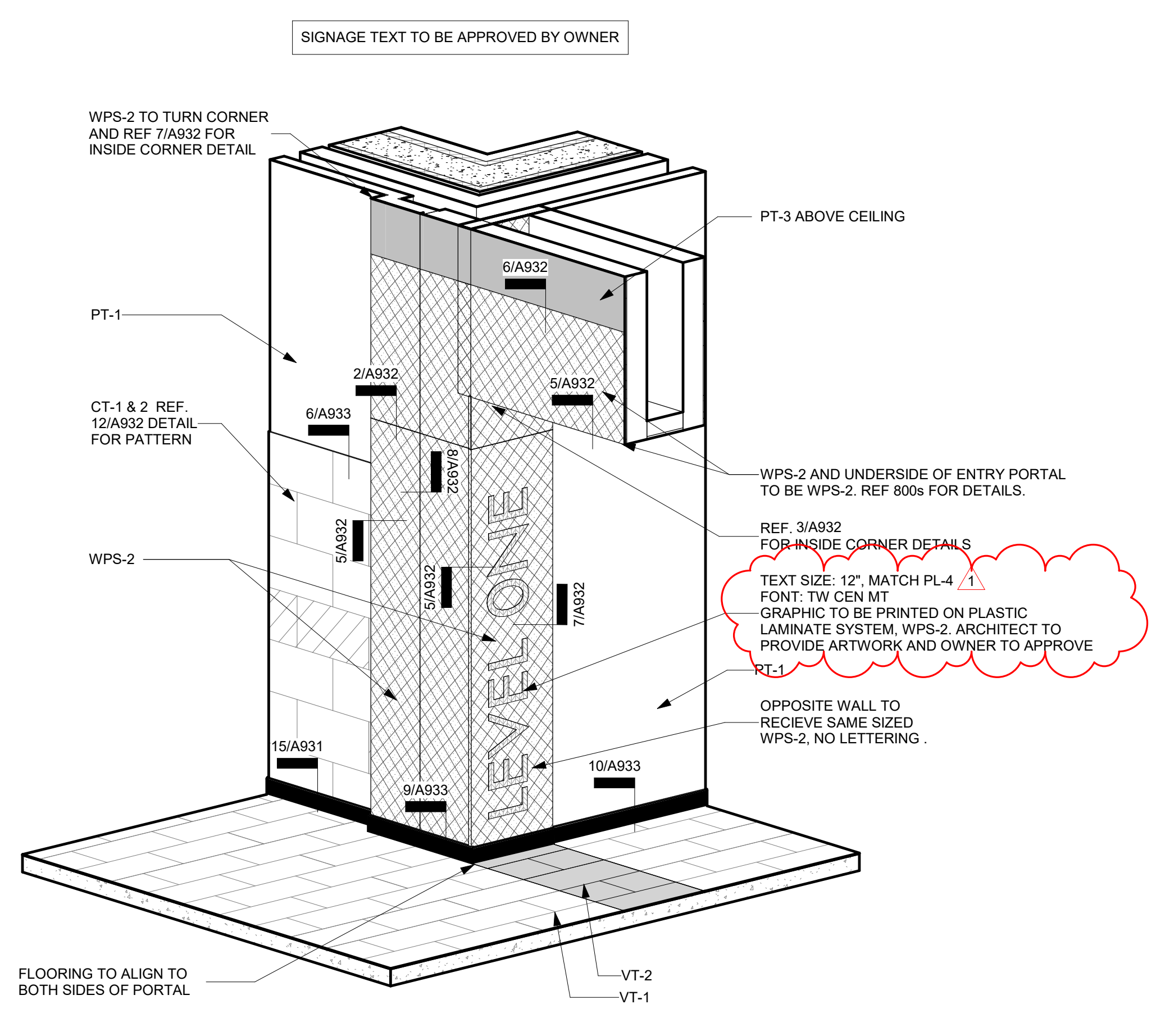


1 Axon -Girls RR B006

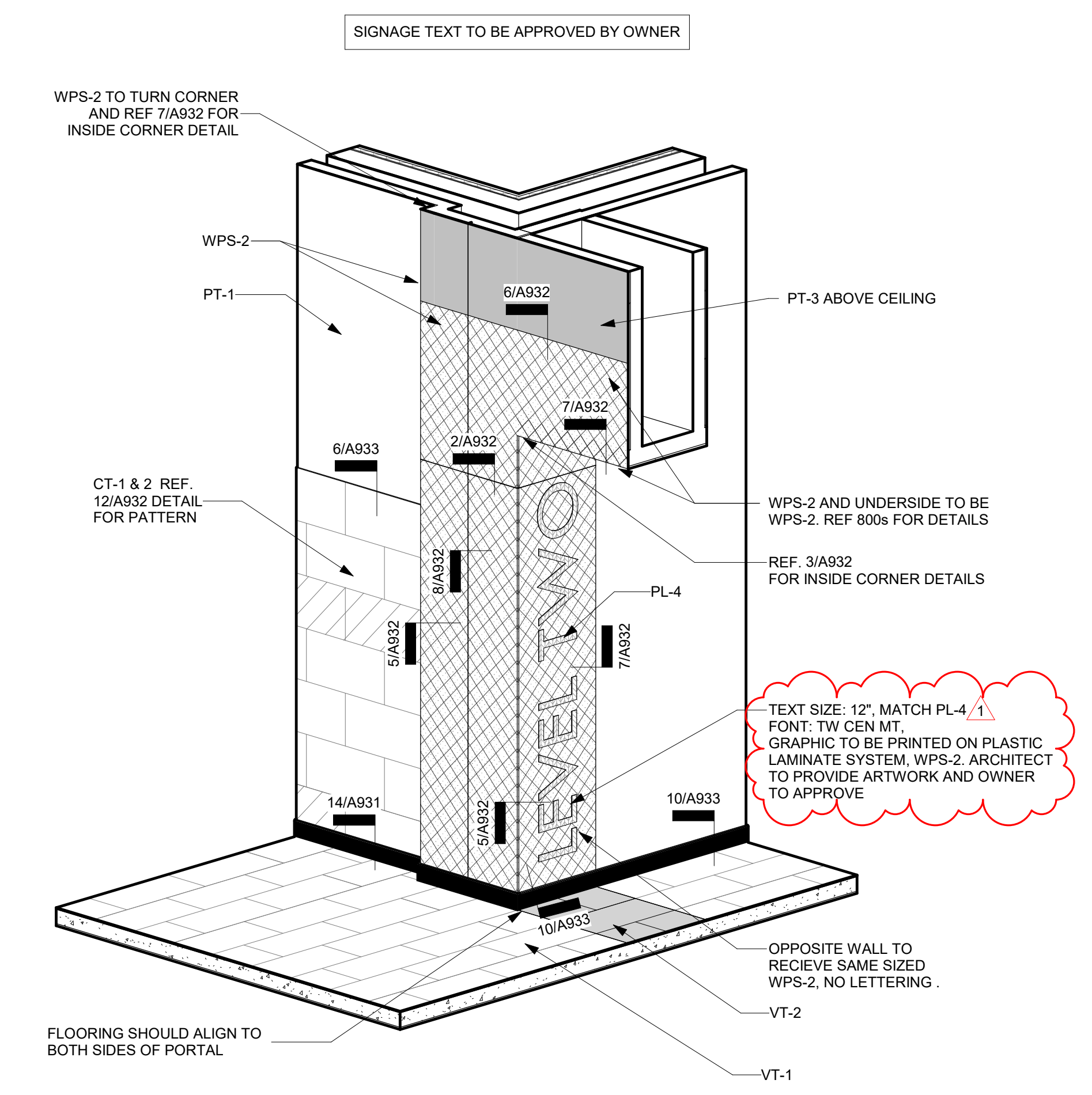
2 Axon - Boys RR B003



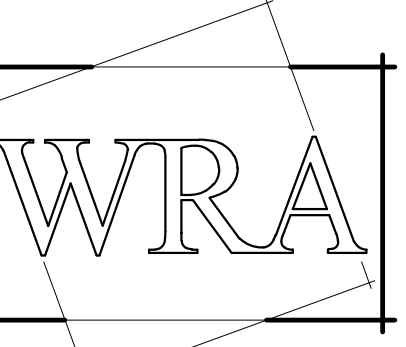
3 Level Zero - Interior Axon Unit B - Corridor B000



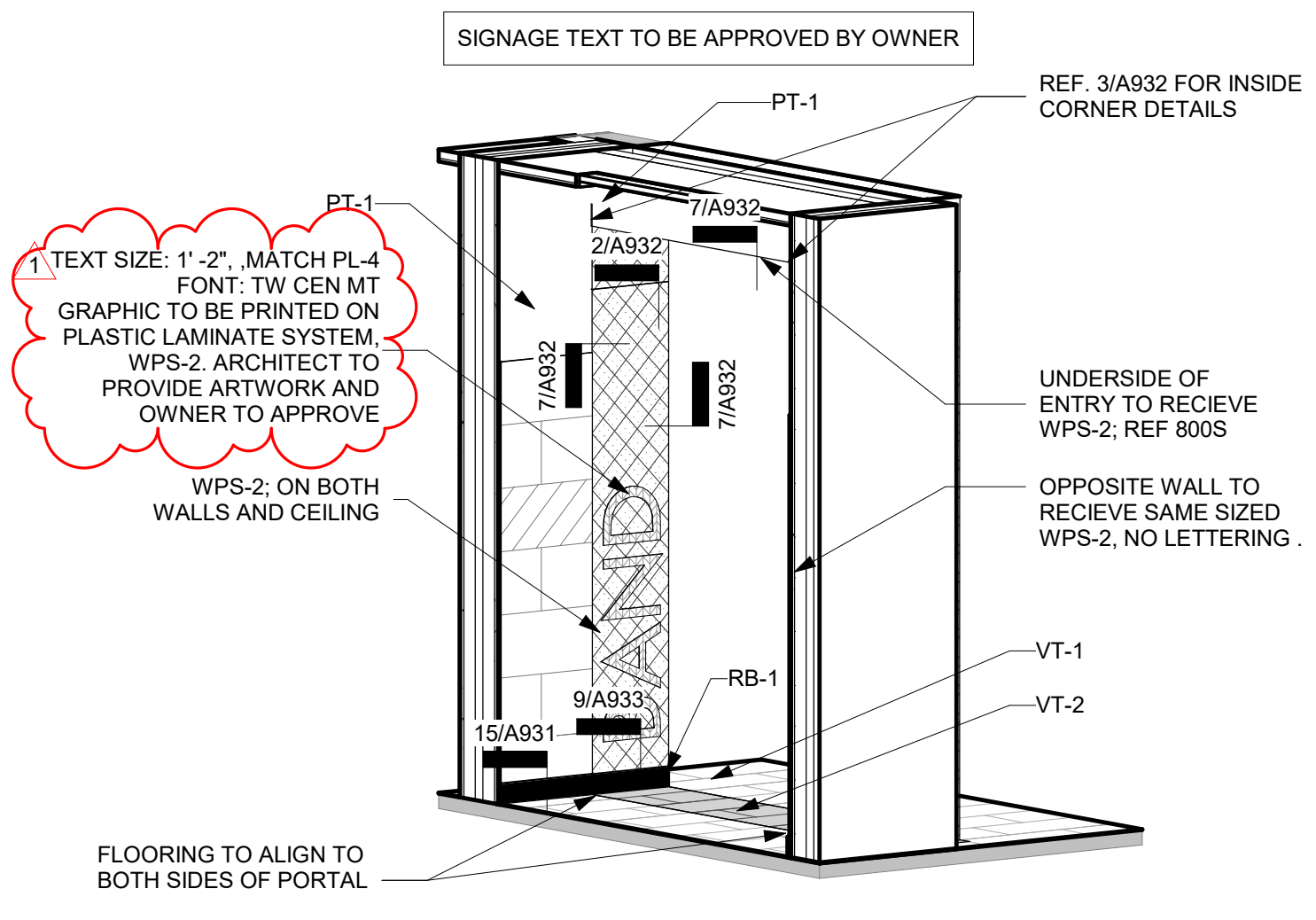
4 Level One - Interior Axon Unit B - Corridor B120



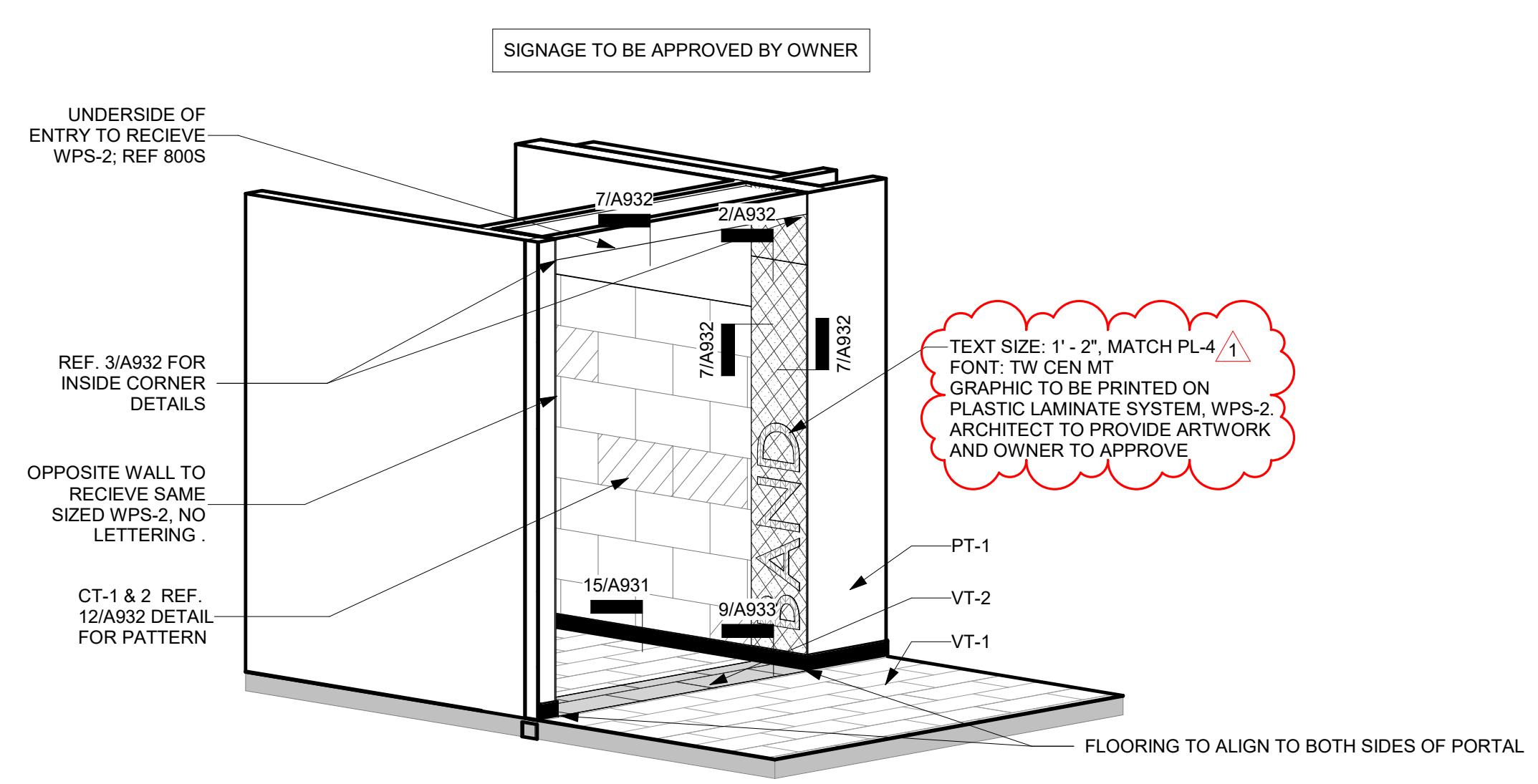
5 Level Two - Interior Axon Unit B - Corridor B220



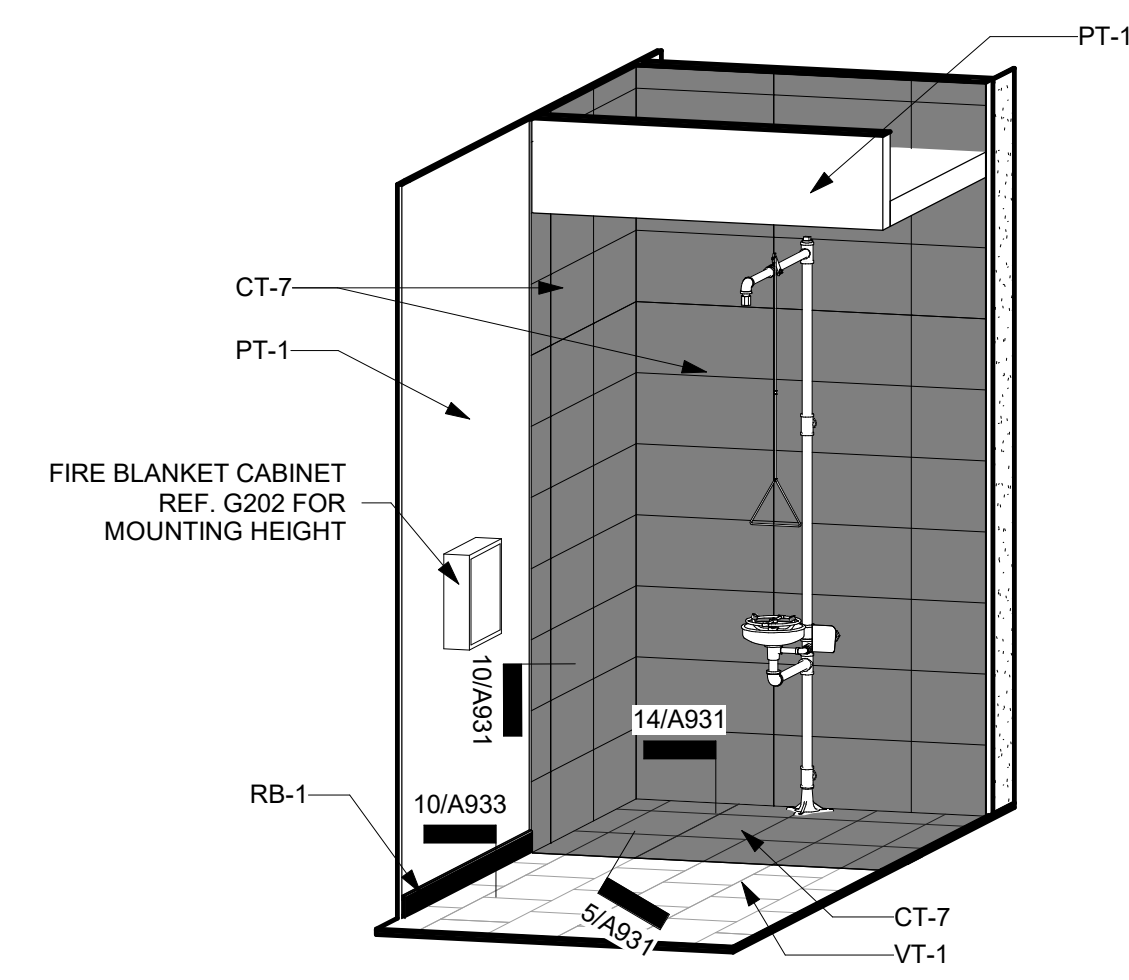
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214-750-0077
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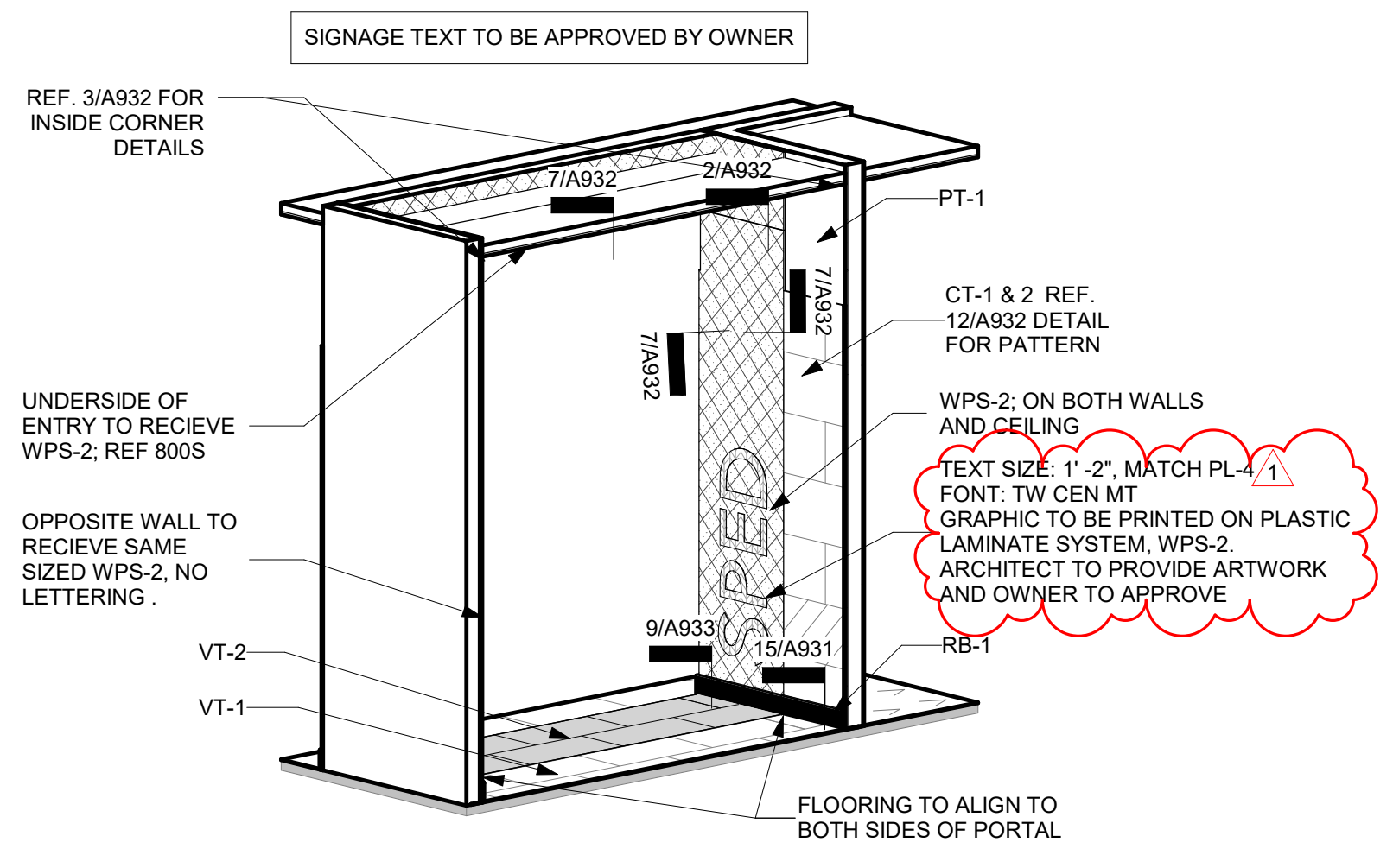
1 Axon - Band Hall Portal Level 1 Unit E - Corridor E200B



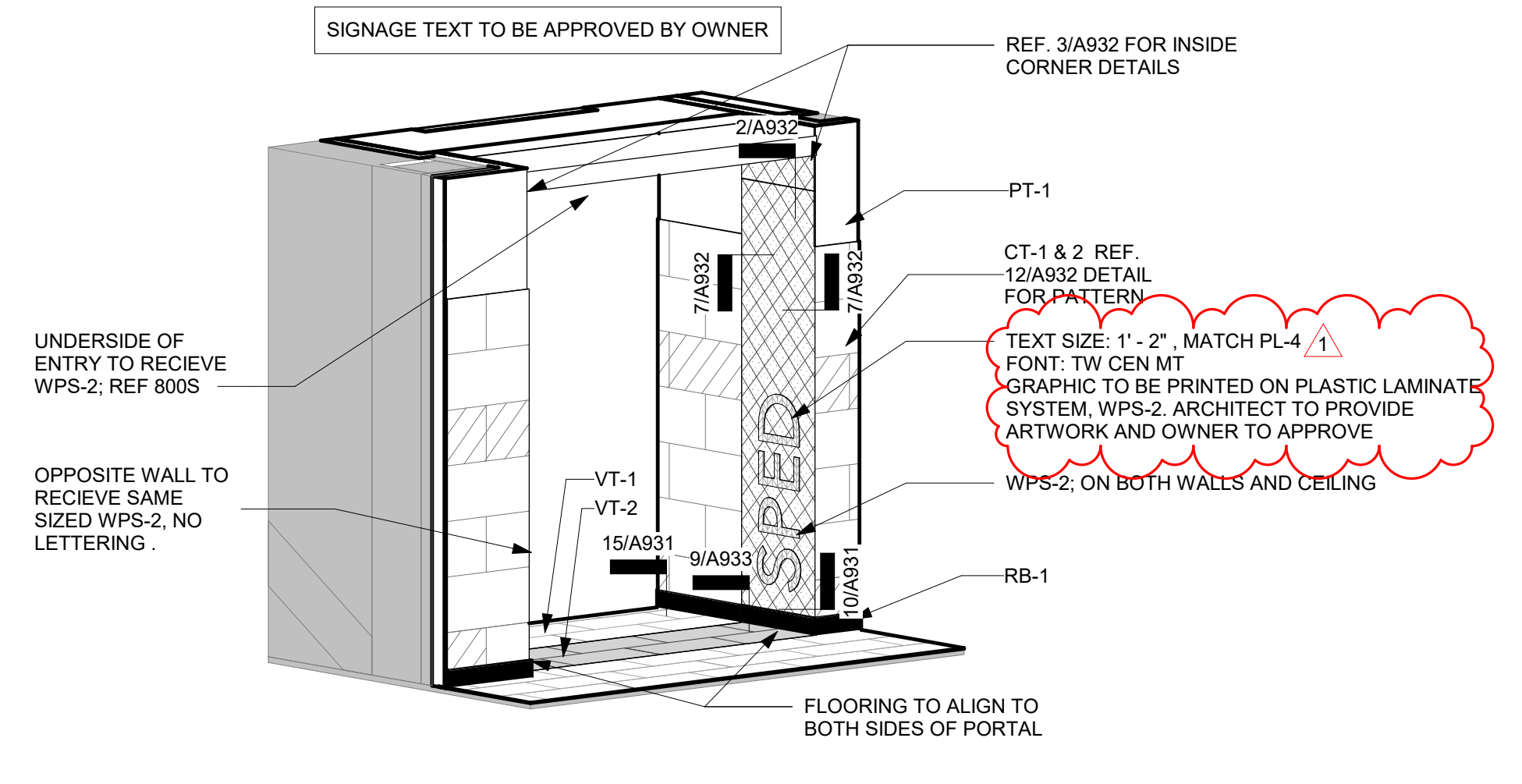
2 Axon - Band Hall Portal Level 1 Unit E - Corridor E200A



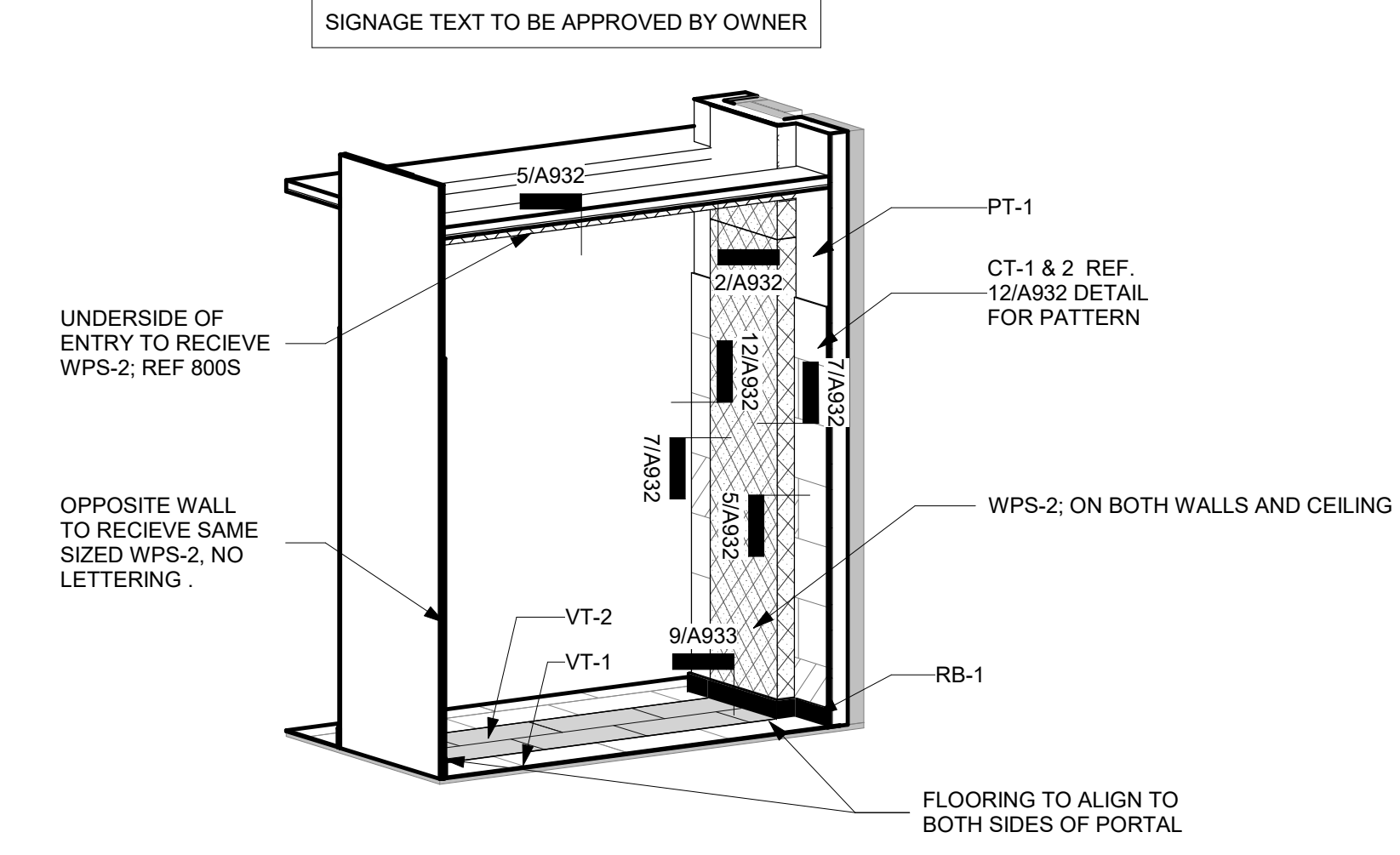
3 Axon - Typ. Eye Wash Station



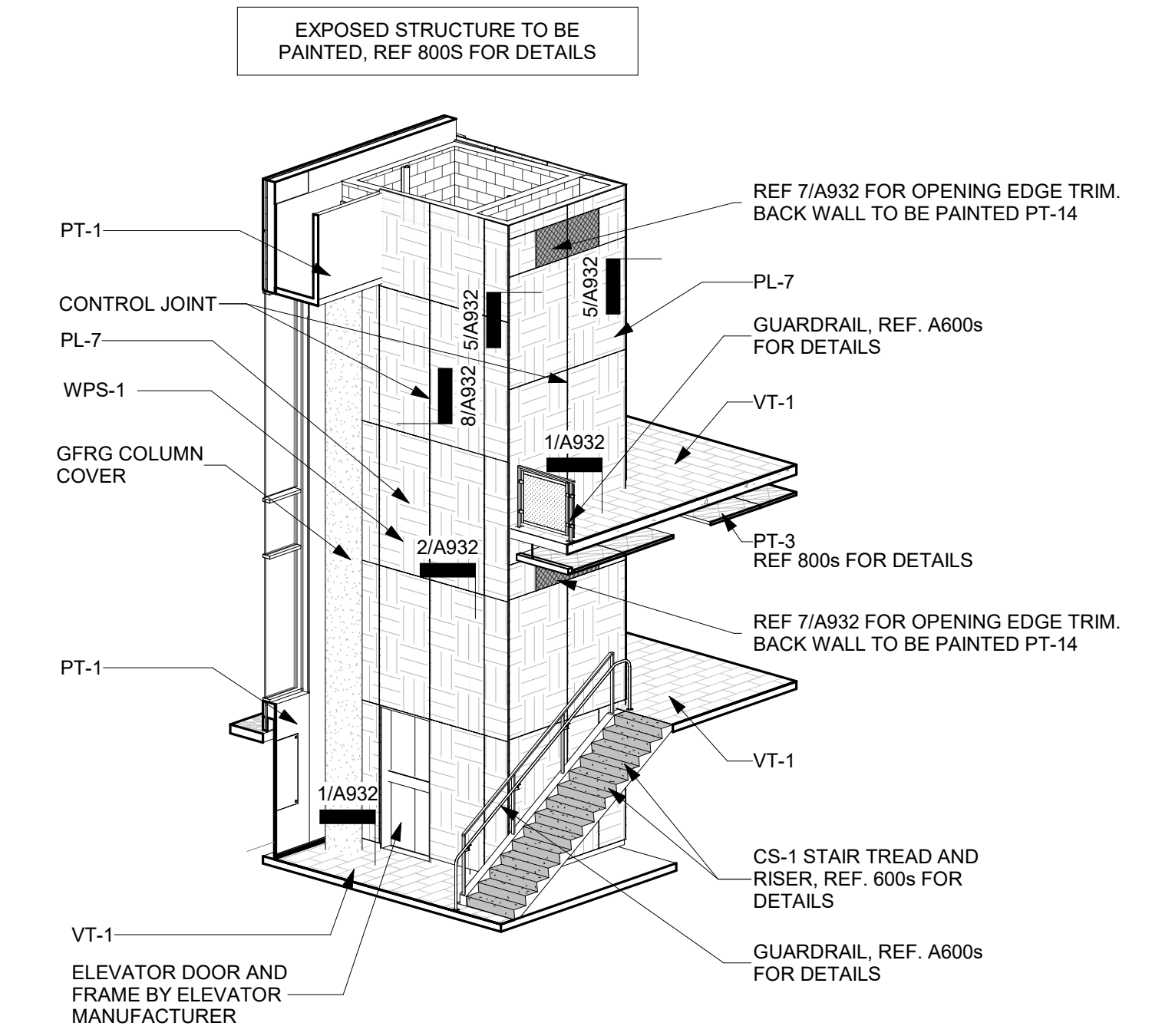
4 Axon - Sped Level .05 - Unit E - Corridor E130



5 Axon - Sped 2 Level .05 - Unit E - Corridor E140



6 Axon - Sped 2 Opposite Side Level .05 - Unit E - Corridor E100



7 Axon- Elevator Details

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	1	Addendum #1 09/19/2024

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Interior Axon Views

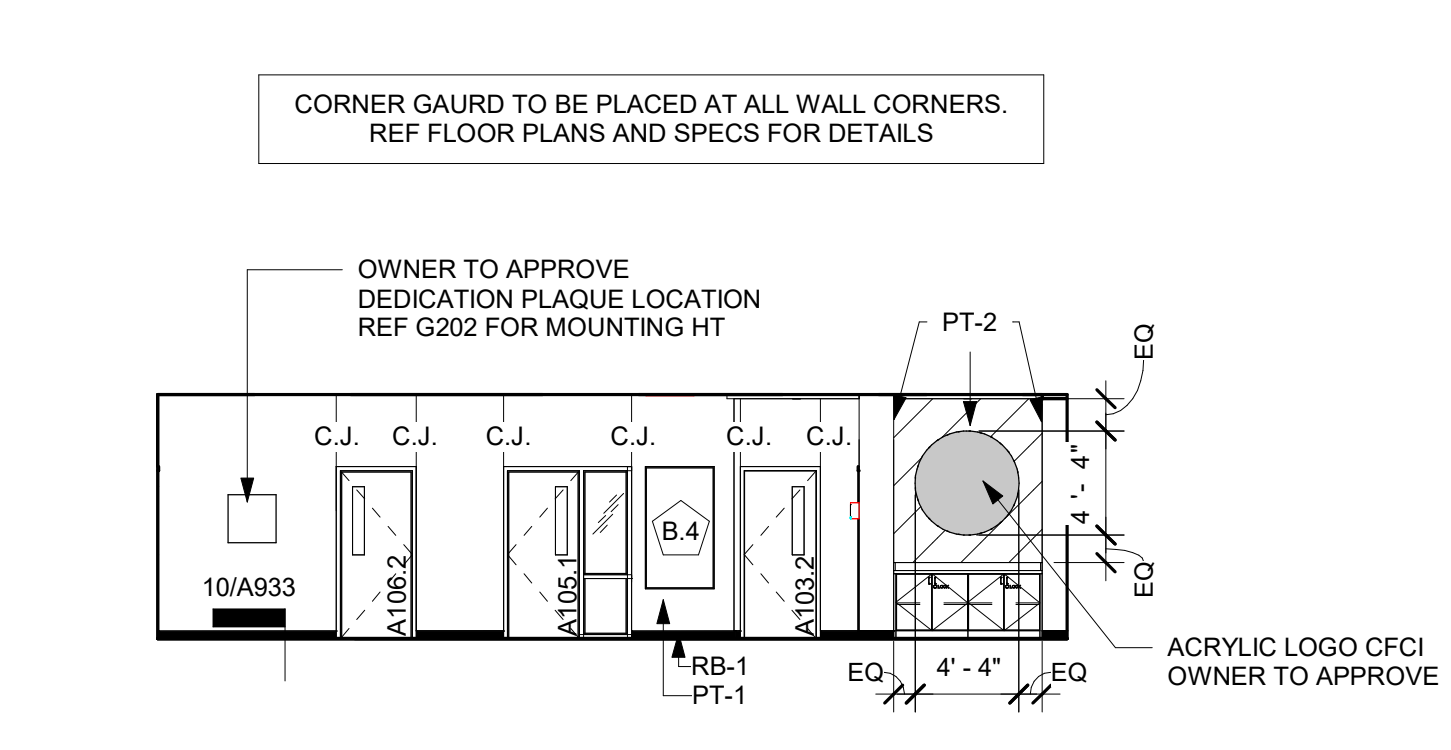
A928

PAINT COLOR	CERAMIC TILE	ACOUSTICAL PANEL	MISC.
PT-1	CT-1	UP-1	RB-1
PT-2	CT-2	UP-2	WP-1
PT-3	CT-3	UP-3	CS-1
PT-4	CT-4	UP-4	WD-1
PT-5	CT-5	UP-7	VF-1
PT-6	CT-6		GFRG-1
PT-7	CT-7		
PT-8	CT-8		
PT-10			
PT-11			
PT-12			
PT-14			
PT-15			

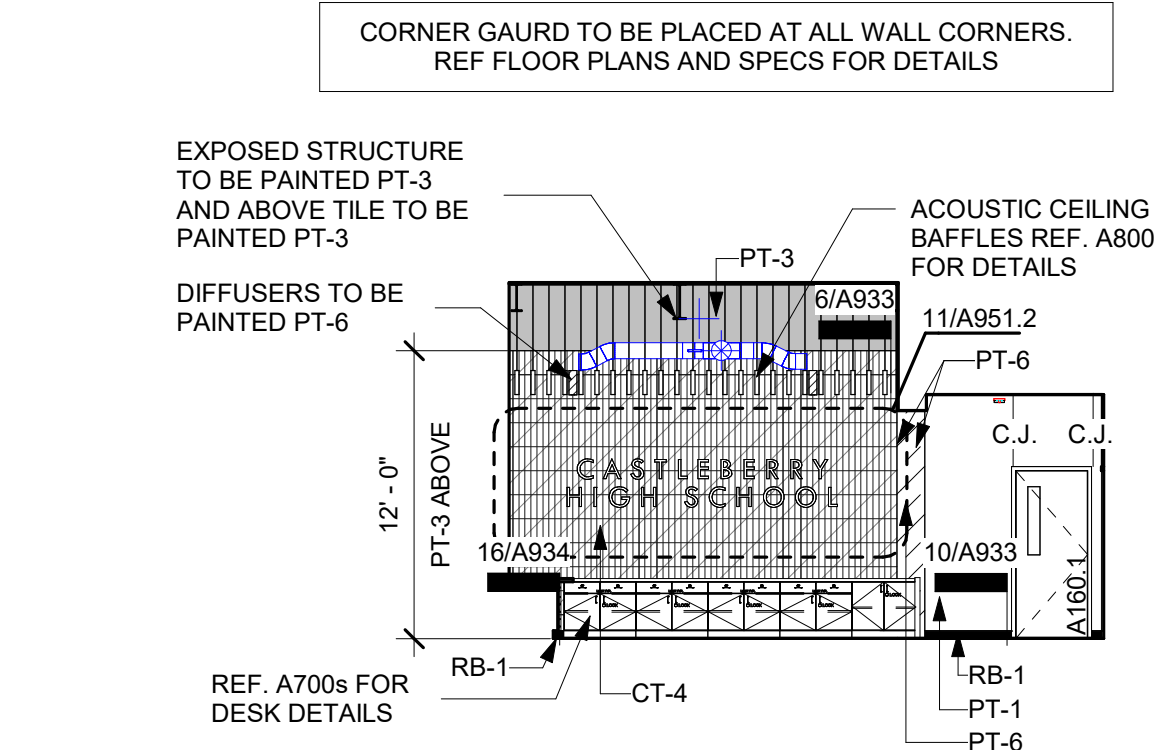
PLASTIC LAMINATE	VINYL WALL COVERING
PL-1	VW-1
PL-3	
PL-4	
PL-5	
PL-6	
PL-7	

SOLID SURFACE	MASONRY TYPE	ACOUSTIC WOOD FIBER PANEL
SS-1	CMU TYPE 1	WFP
SS-2		

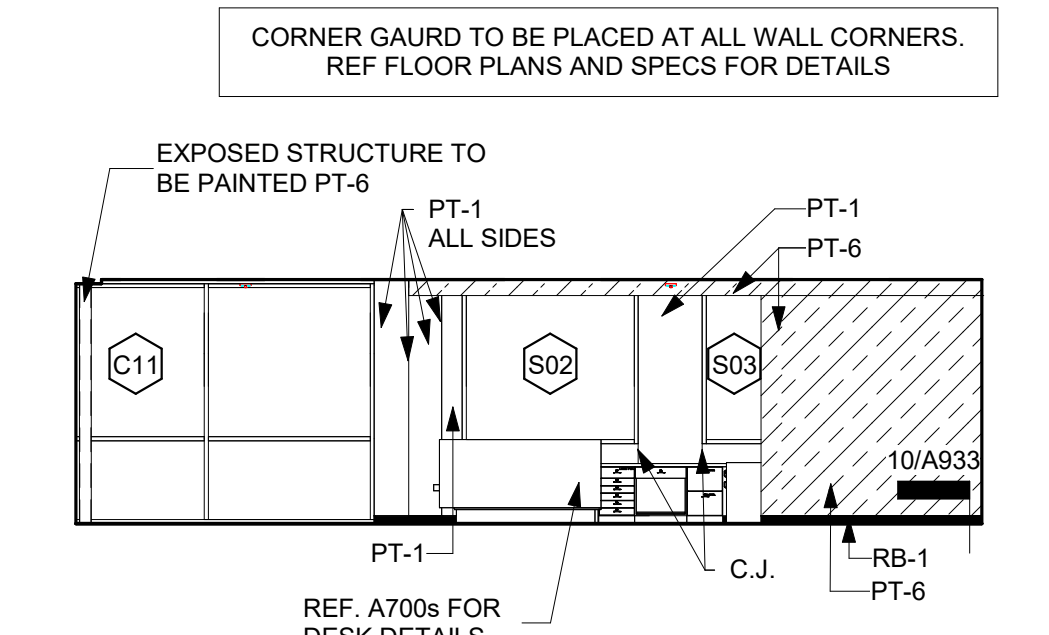
GENERAL NOTE:
1. ALL ELECTRICAL OUTLETS FINISH TO MATCH WALL FINISH.
2. INSTALL OF ALL WALL GRAPHICS TO BE COORDINATED WITH ARCHITECT, REGARDING CONTROL JOINT PATTERN.



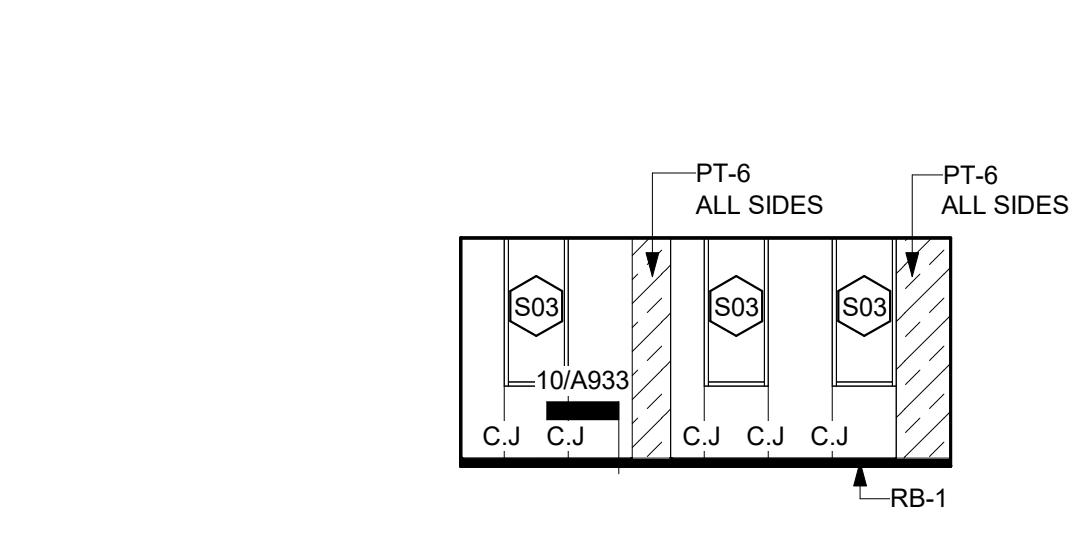
1 Int. Elevation - Level 1 - Unit A - Reception A101 - East
1/8" = 1'-0"



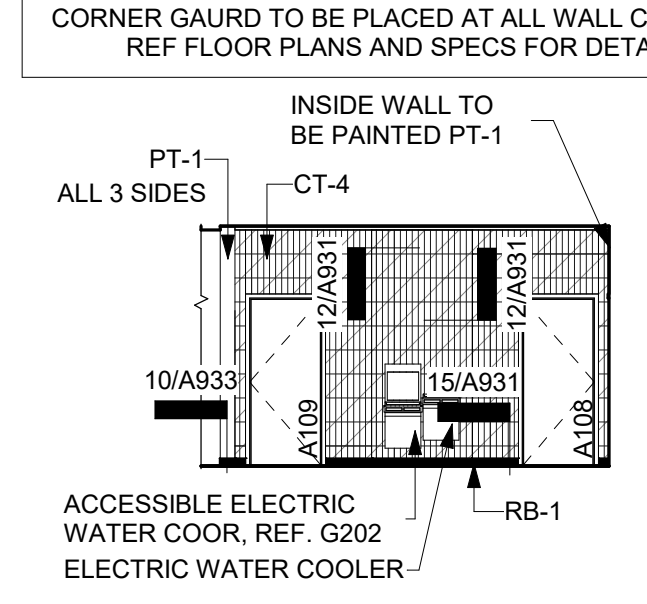
2 Int. Elevation - Level 1 - Unit A - Reception A101 - North
1/8" = 1'-0"



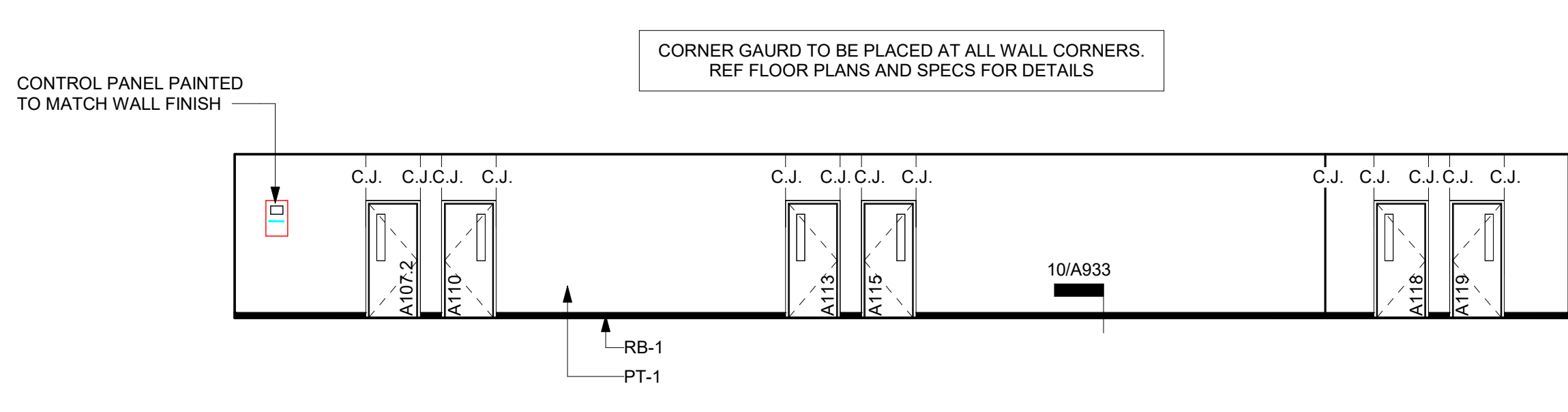
3 Int. Elevation - Level 1 - Unit A - Reception A101 - West
1/8" = 1'-0"



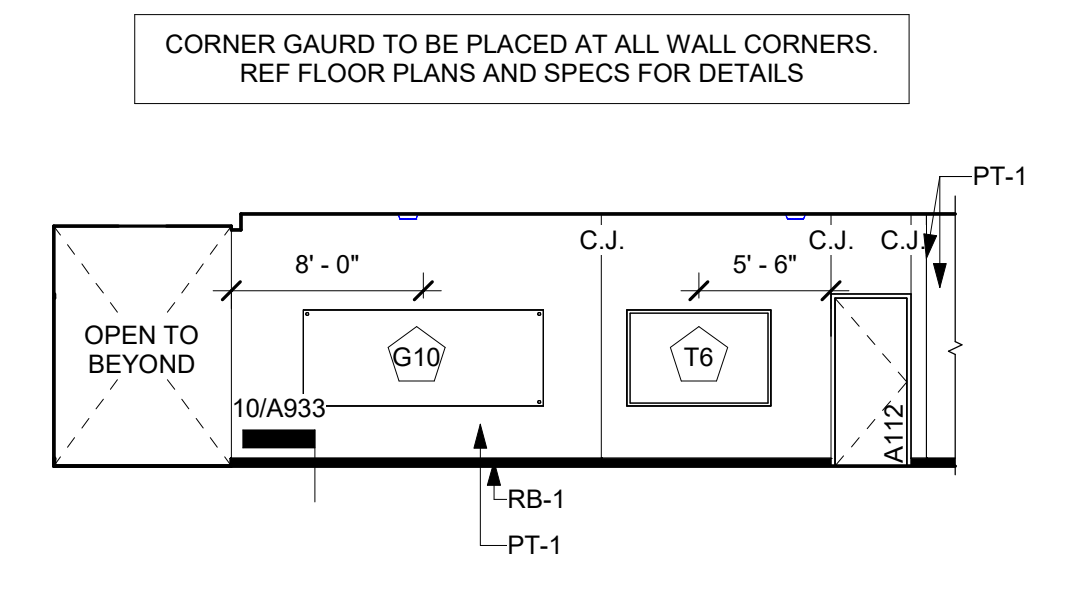
4 Int. Elevation - Level 1 - Unit A - Conference A107 - West
1/8" = 1'-0"



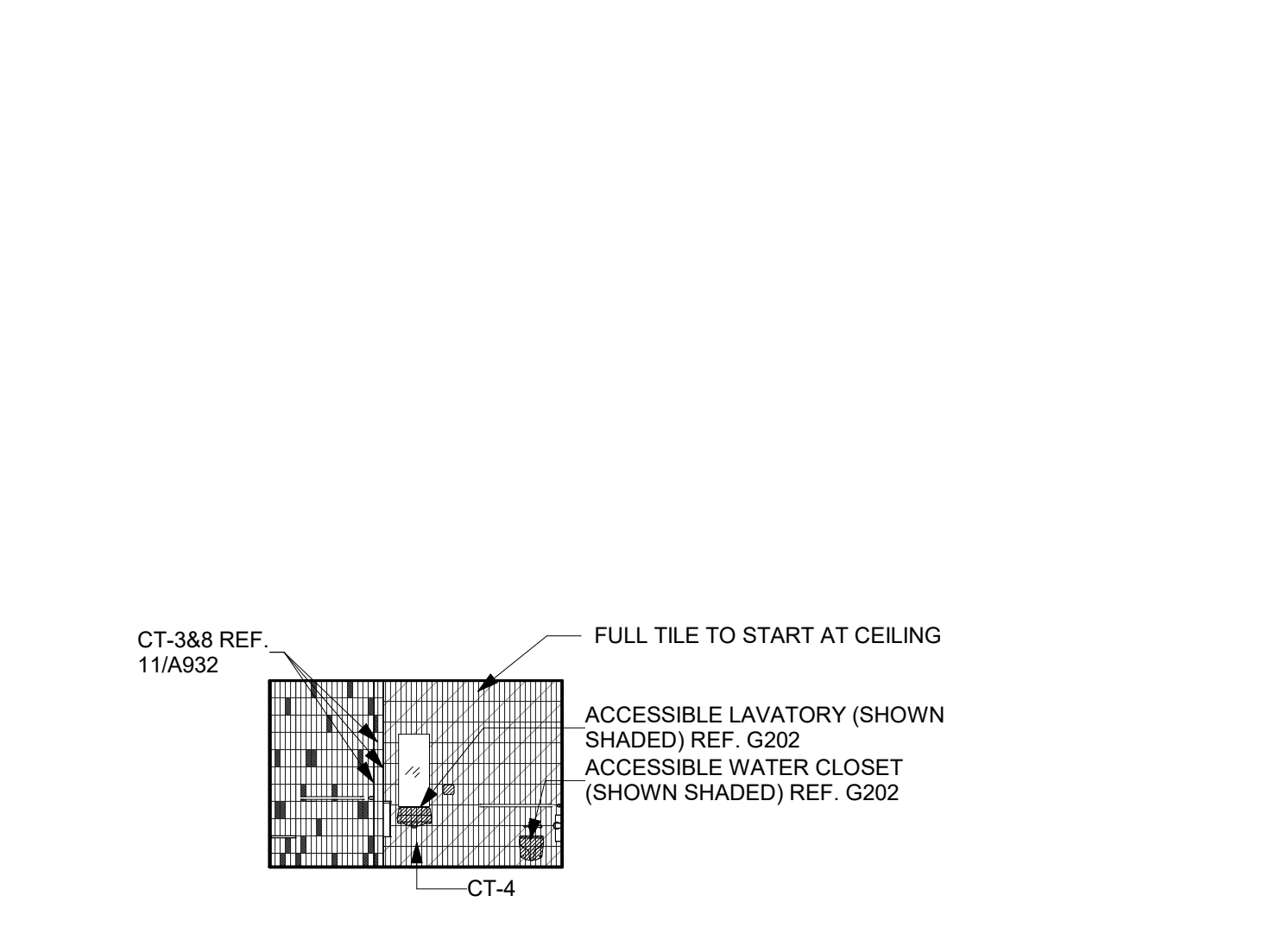
5 Int. Elevation - Level 1 - Unit A - Corridor A160 - East
1/8" = 1'-0"



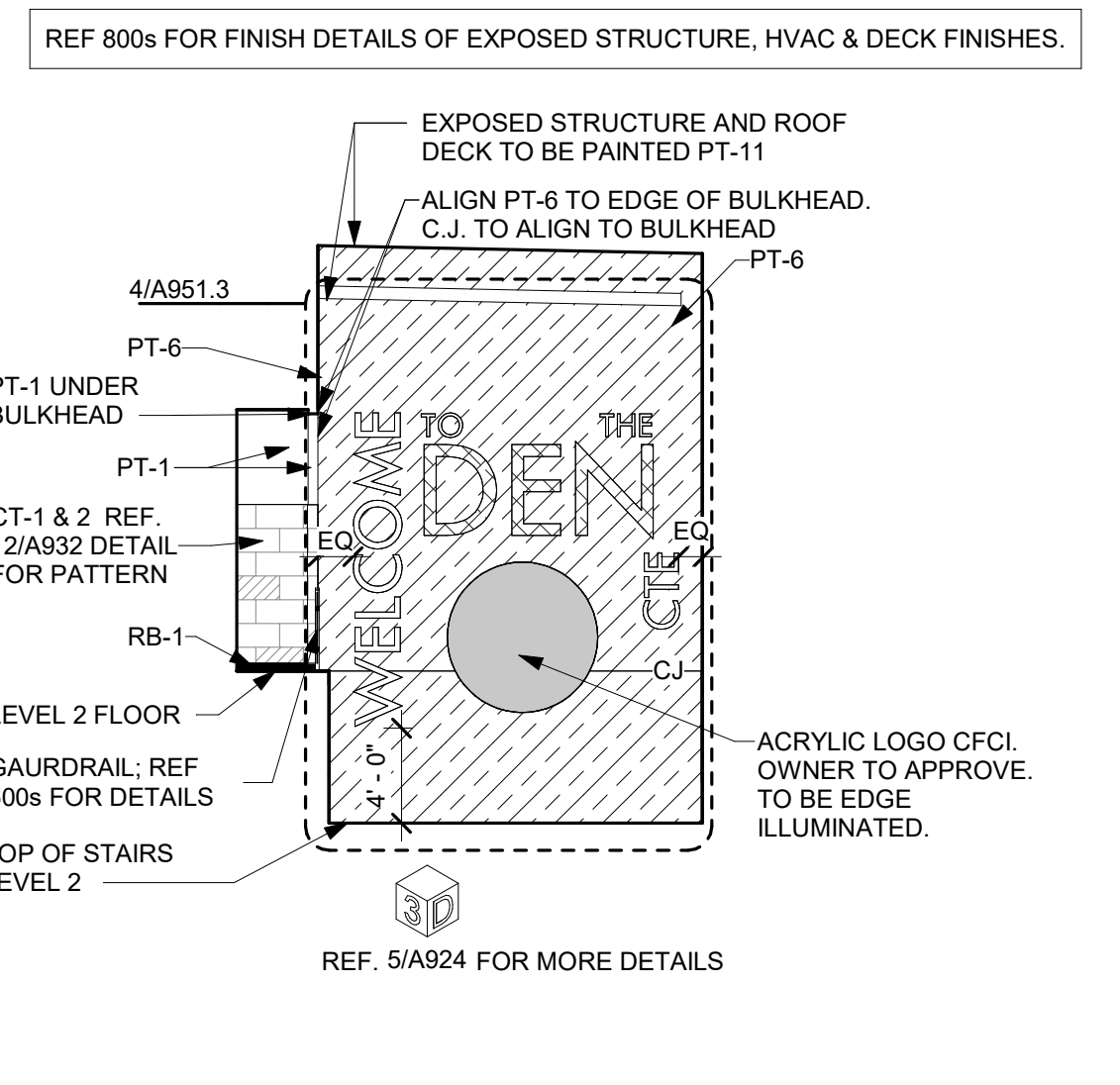
6 Int. Elevation - Level 1 - Unit A - Corridor A160 - West
1/8" = 1'-0"



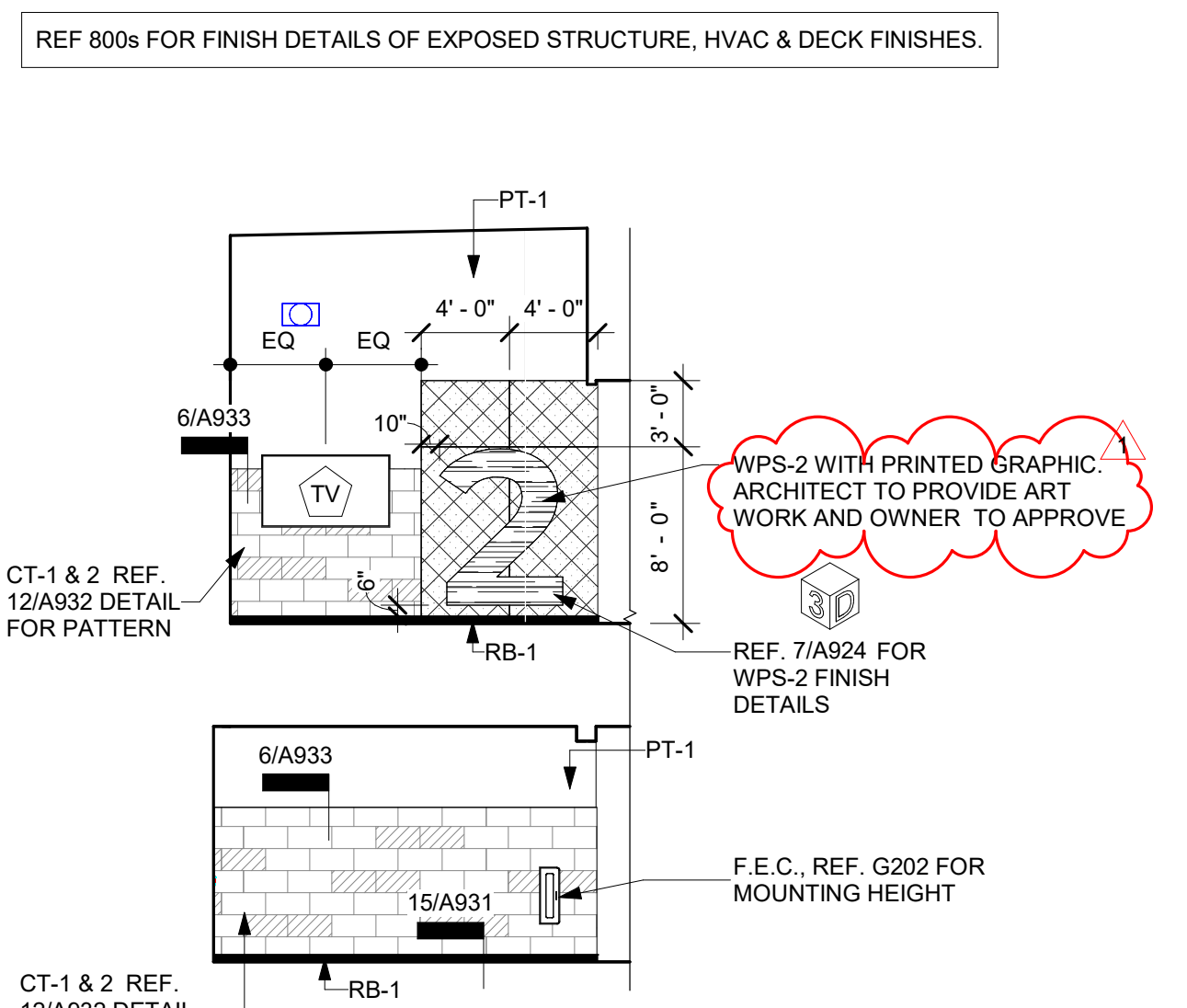
7 Int. Elevation - Level 1 - Unit A - Work Room A111 - North
1/8" = 1'-0"



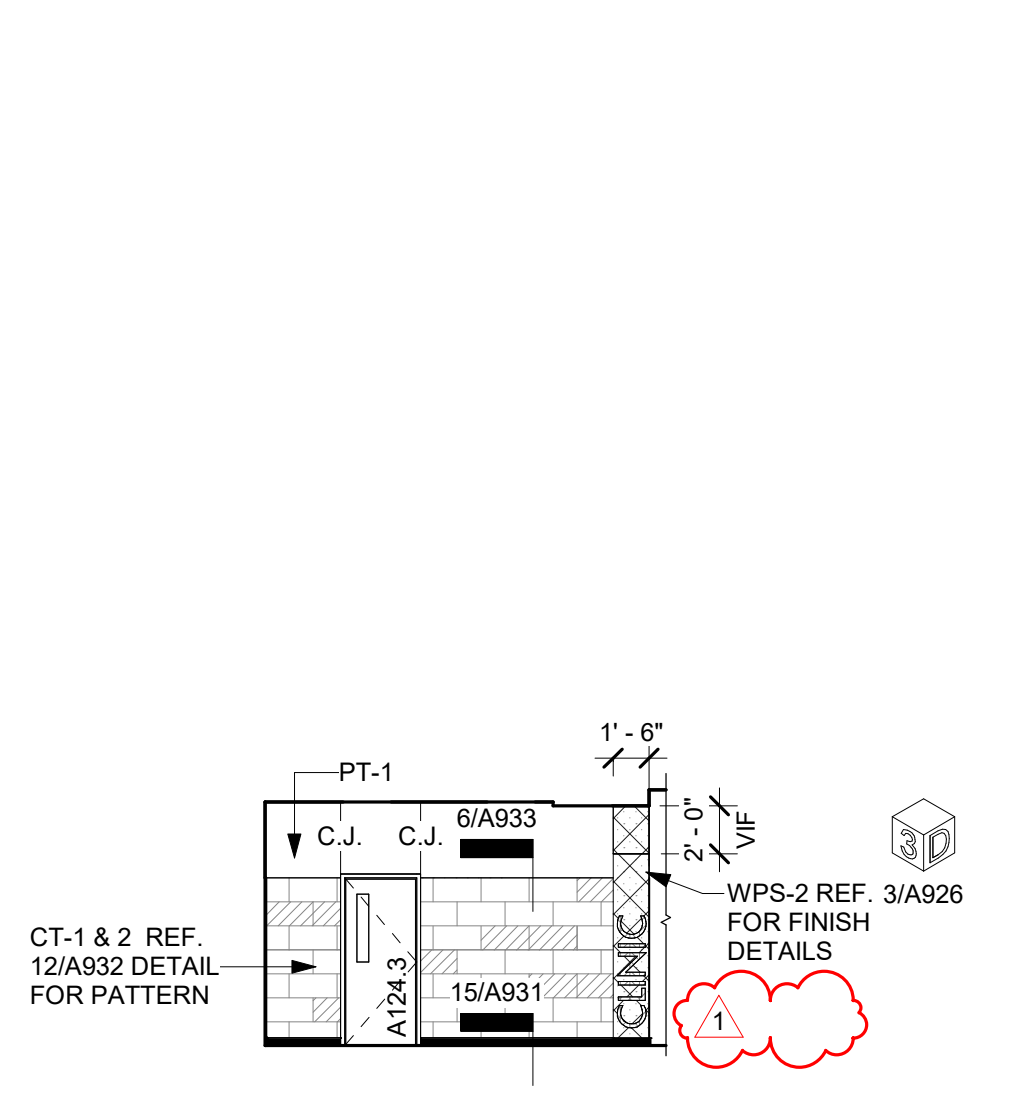
8 Int. Elevation - Level 1 - Unit A - Clinic RR A132 - West
1/8" = 1'-0"



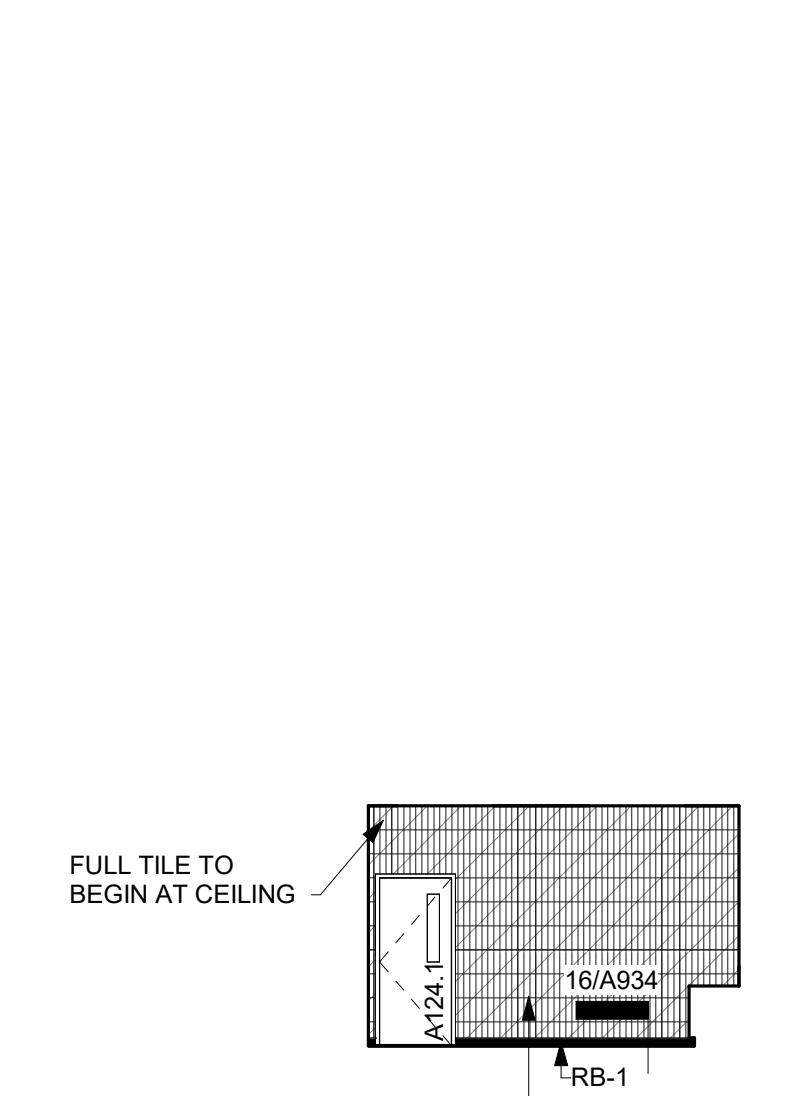
9 Int. Elevation - Level 1 - Unit A - Stair 2 - North
1/8" = 1'-0"



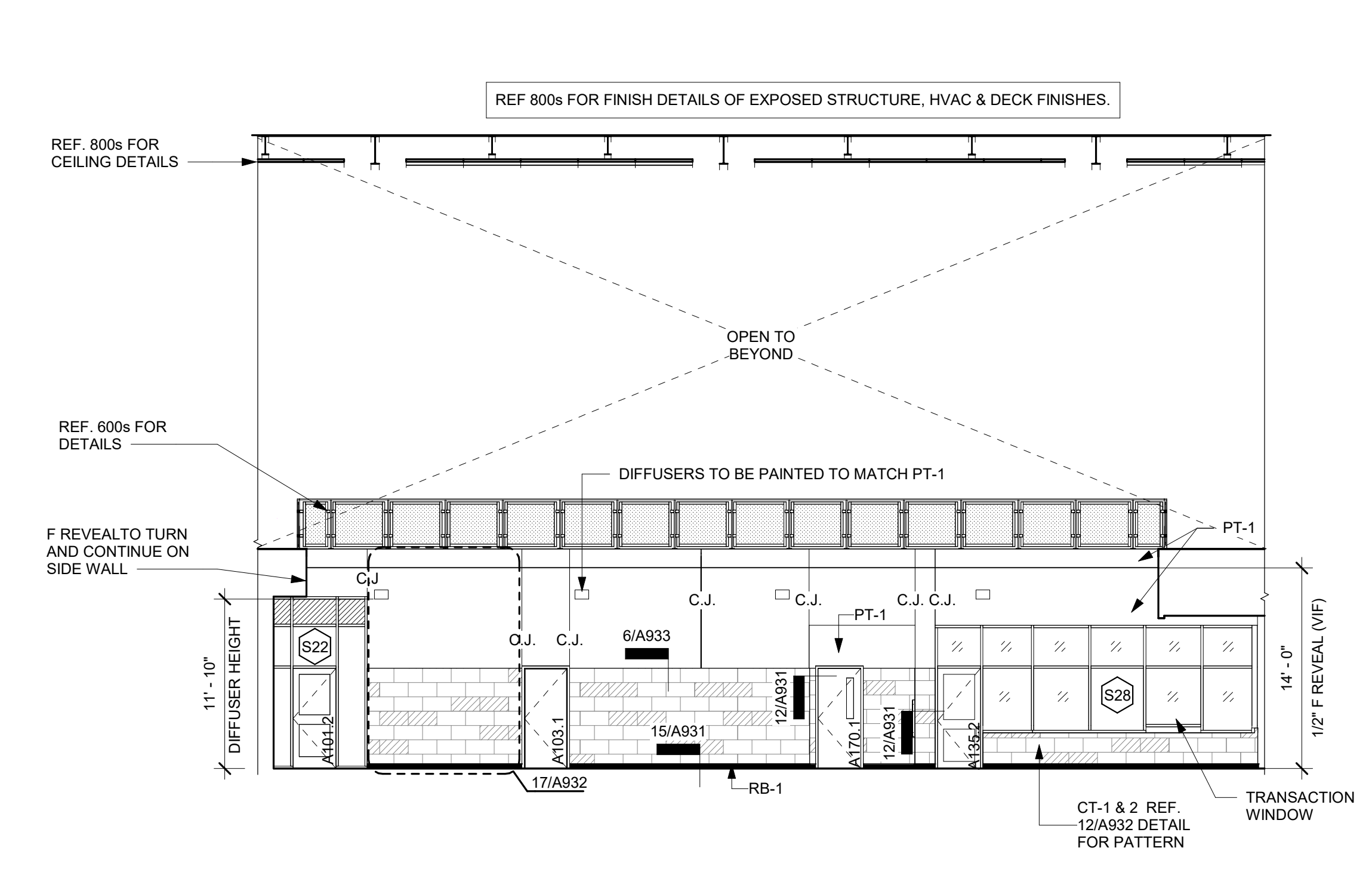
10 Int. Elevation - Level 1 - Unit A - Stair #2 S2 - South
1/8" = 1'-0"



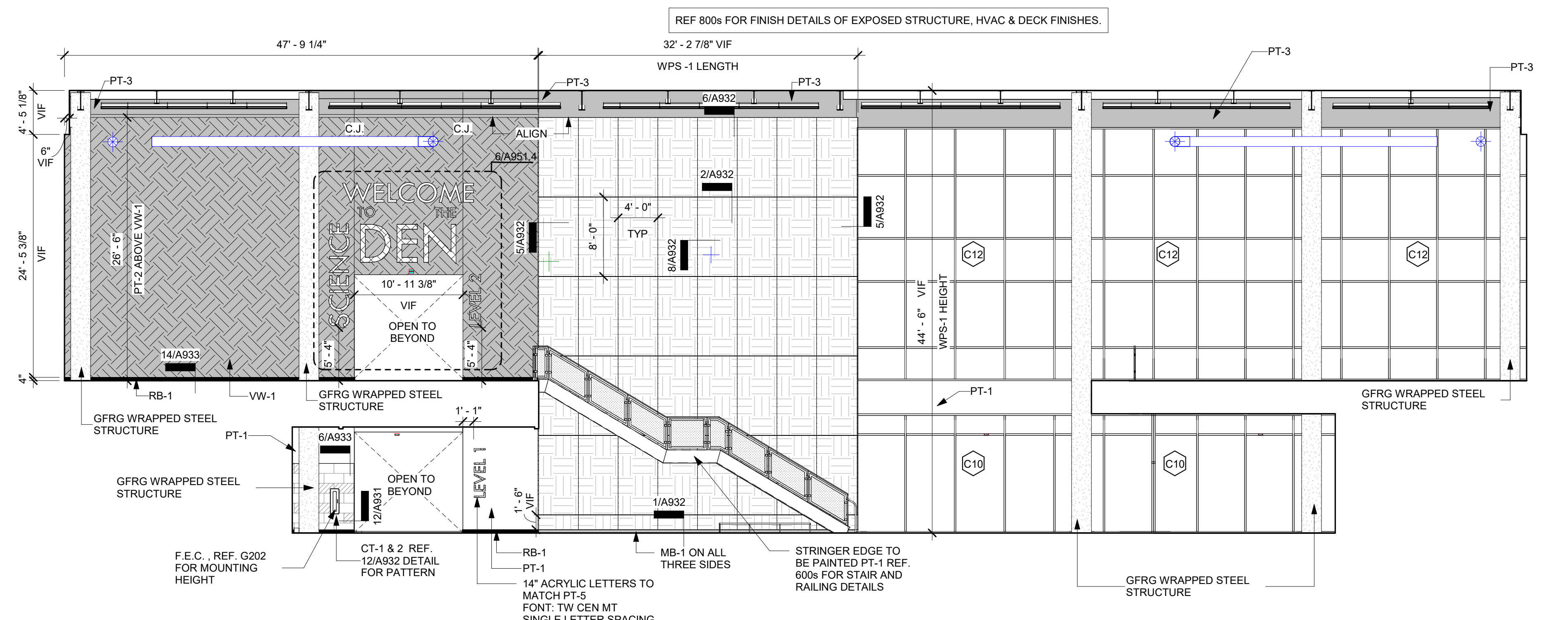
11 Int. Elevation - Level 1 - Unit A - Corridor A190 - North
1/8" = 1'-0"



12 Int. Elevation - Level 1 - Unit A - AP Reception A124 - North
1/8" = 1'-0"



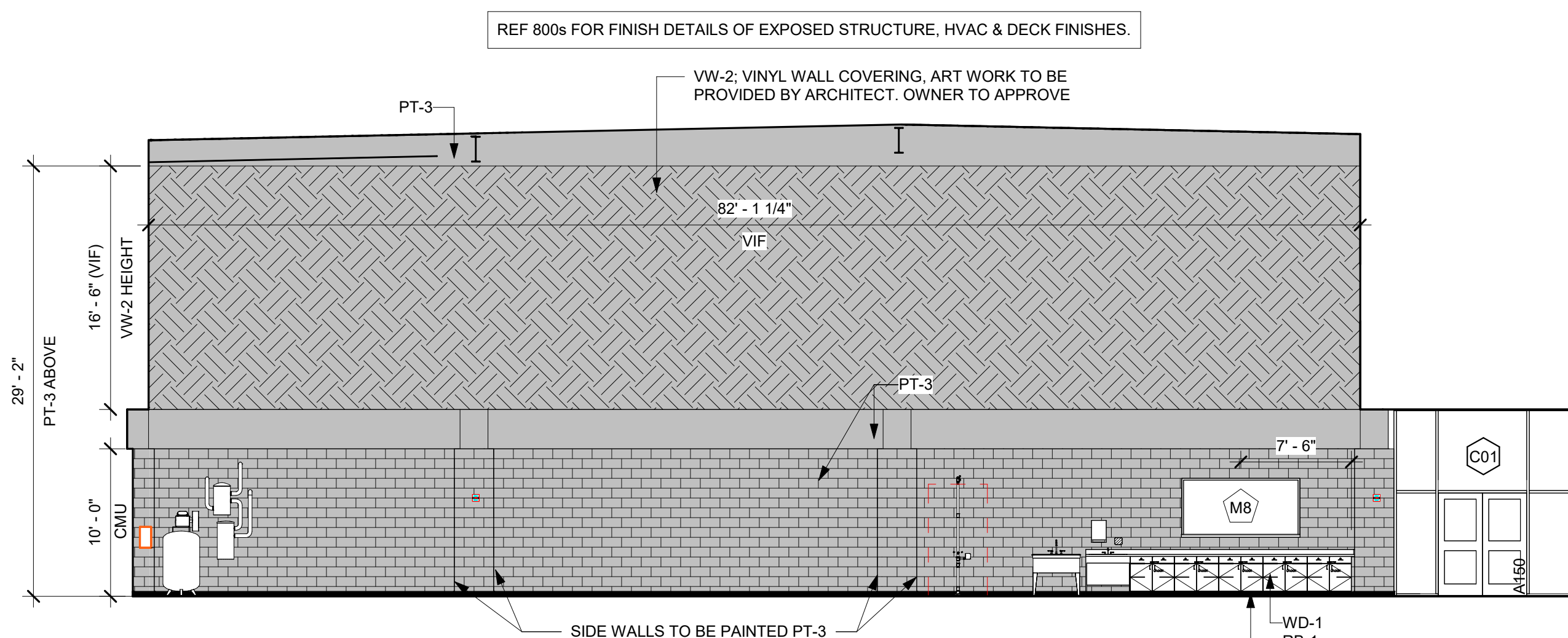
13 Int. Elevation - Level 1 - Unit A - Corridor A180 - North
1/8" = 1'-0"



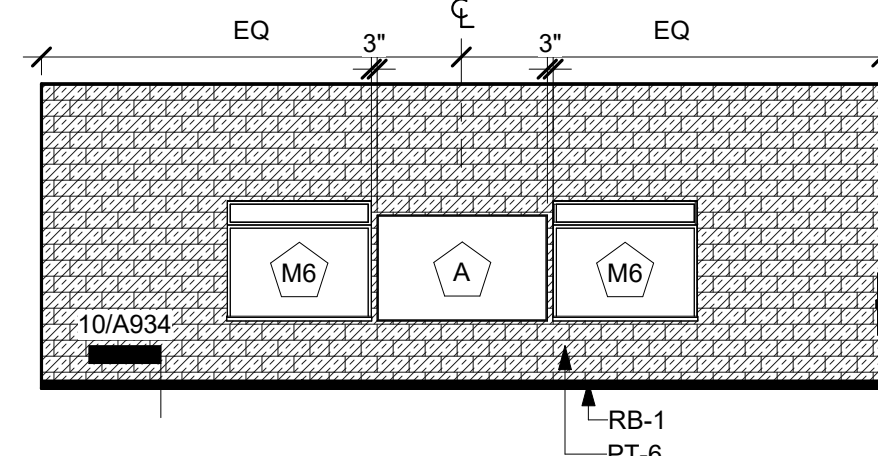
14 Int. Elevation - Level 1 - Unit A - Corridor A180 - South
1/8" = 1'-0"

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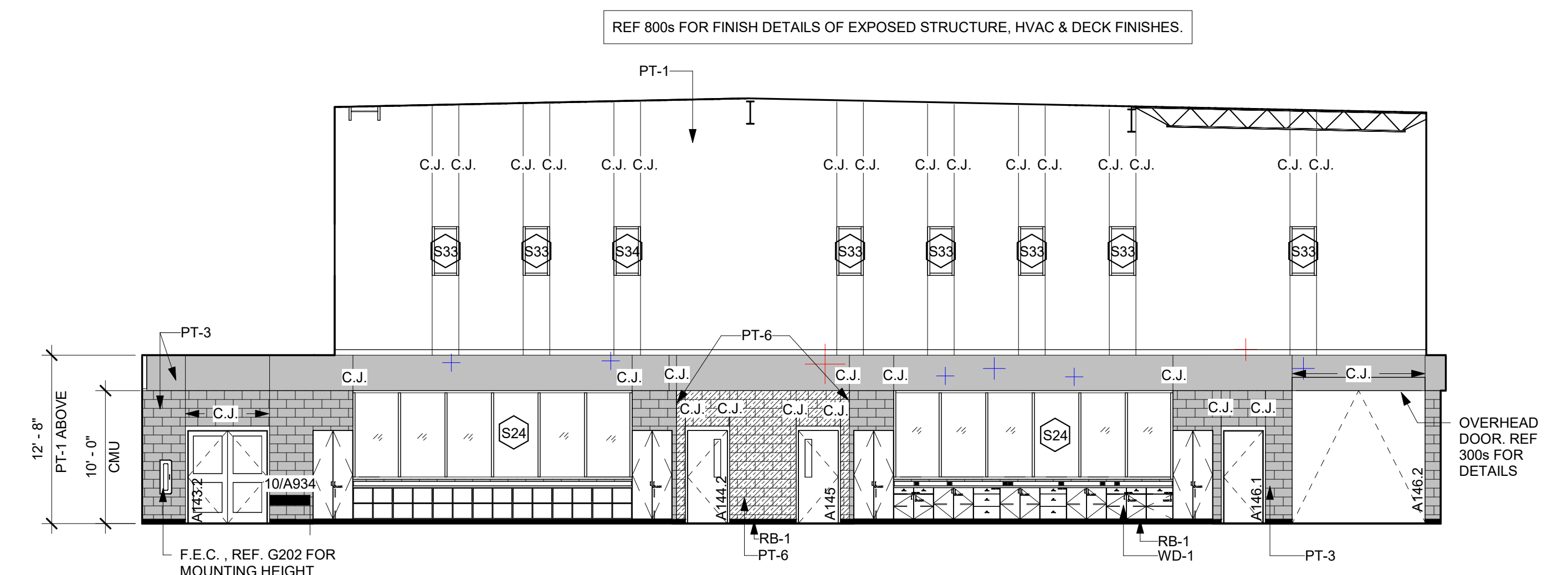
JOB NO.	2399
DATE:	09/19/2024
Interior Elevations	
A941	
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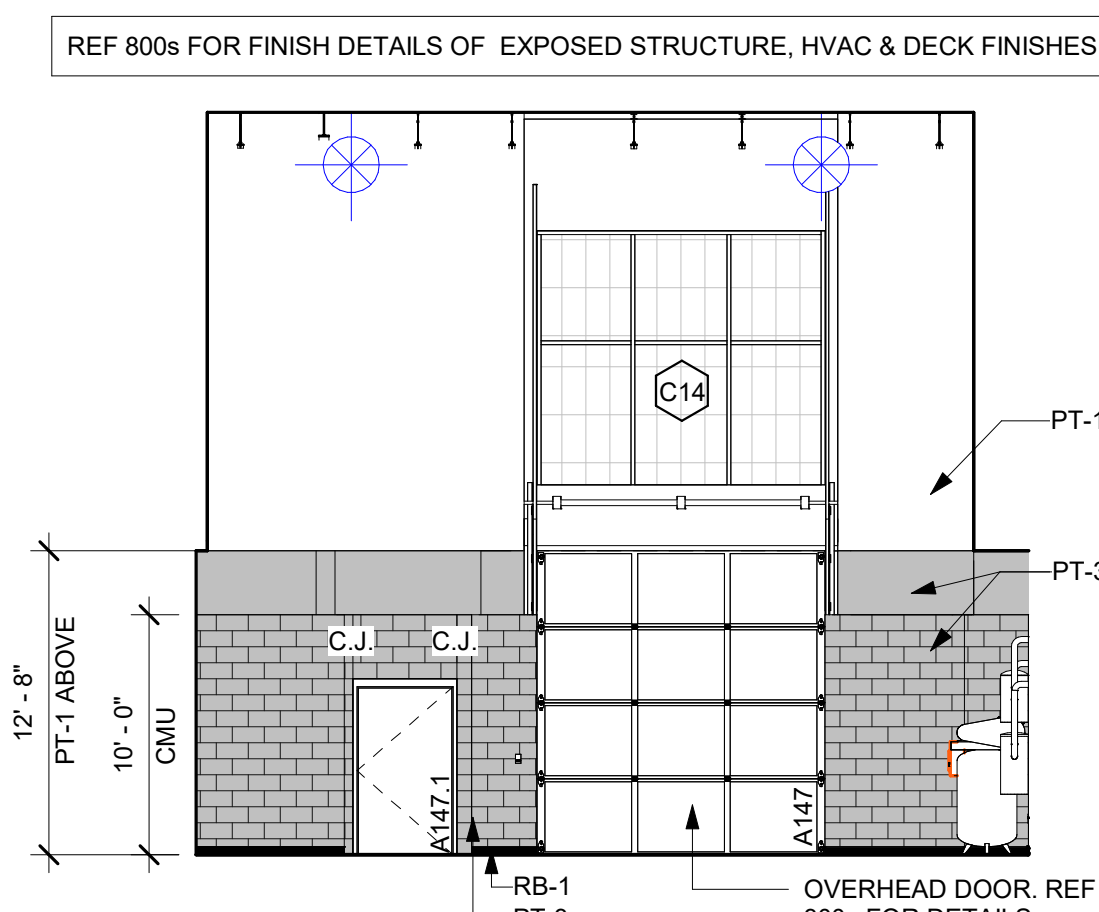
1 Int. Elevation - Level 1 - Unit A - Multi Purpose Shop A147 - North
1/8" = 1'-0"



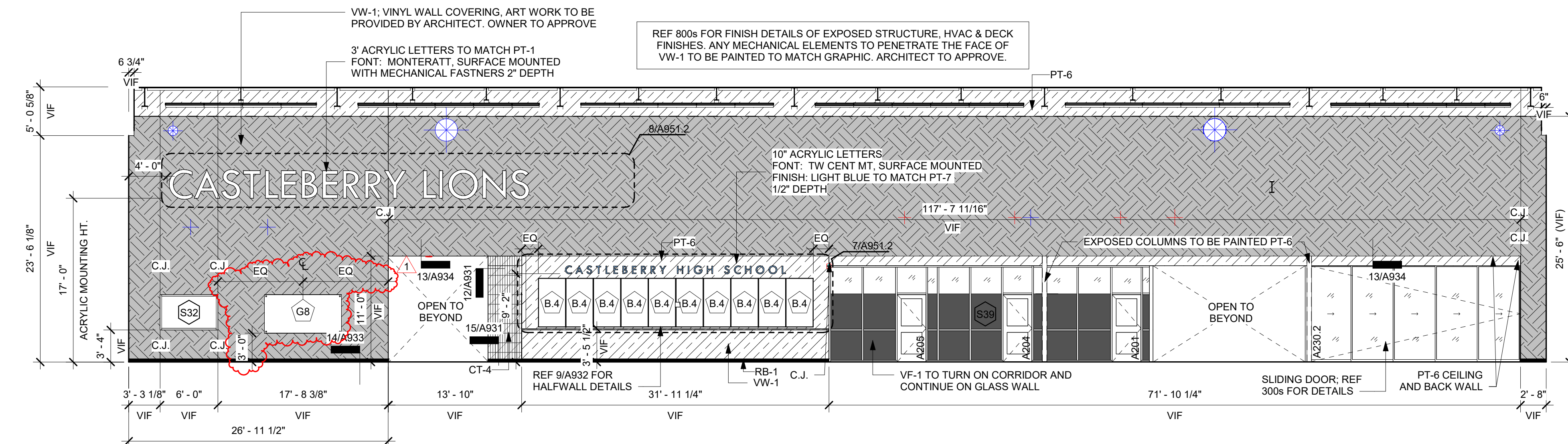
2 Int. Elevation - Level 1 - Unit A - Multi Purpose Shop A147 - East
1/8" = 1'-0"



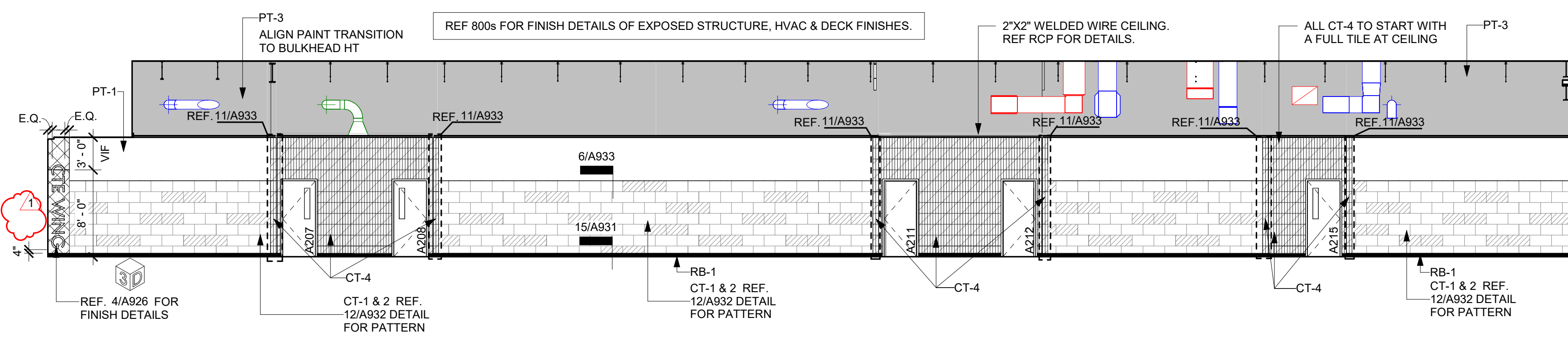
3 Int. Elevation - Level 1 - Unit A - Multi Purpose Shop A147 - South
1/8" = 1'-0"



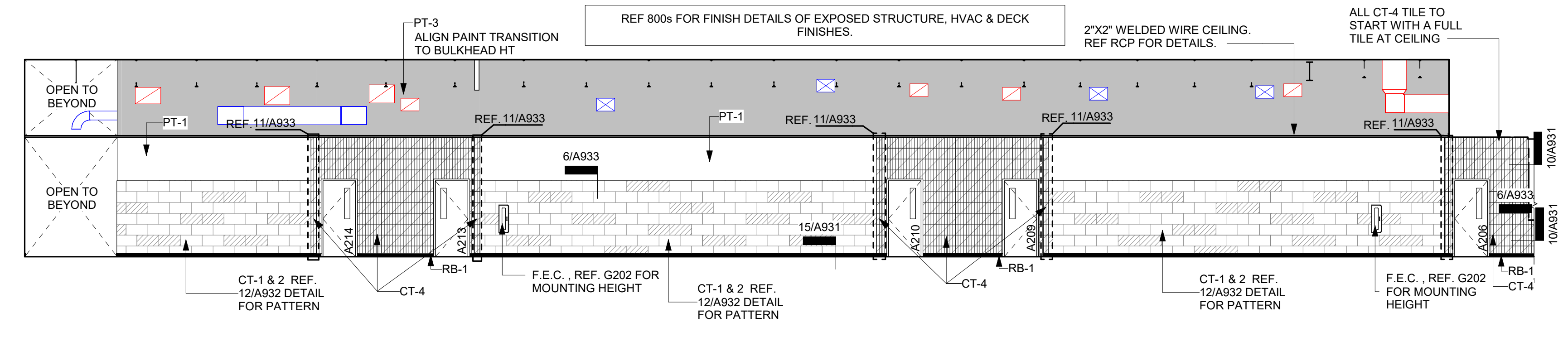
4 Int. Elevation - Level 1 - Unit A - Multi Purpose Shop A147 - West
1/8" = 1'-0"



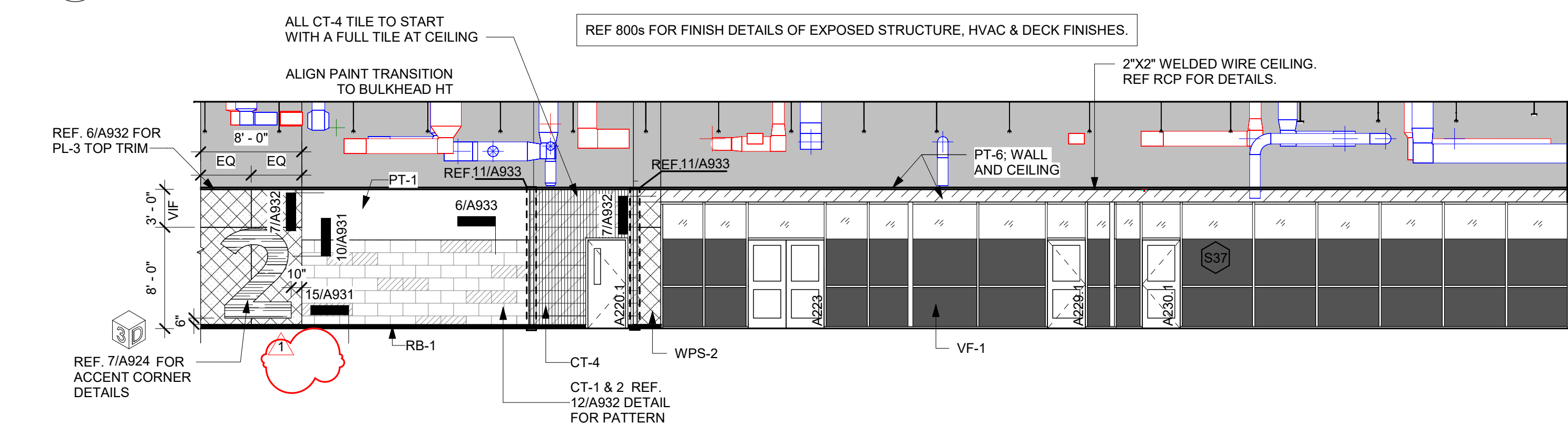
5 Int. Elevation - Level 2 - Unit A - Corridor A200 - North
1/8" = 1'-0"



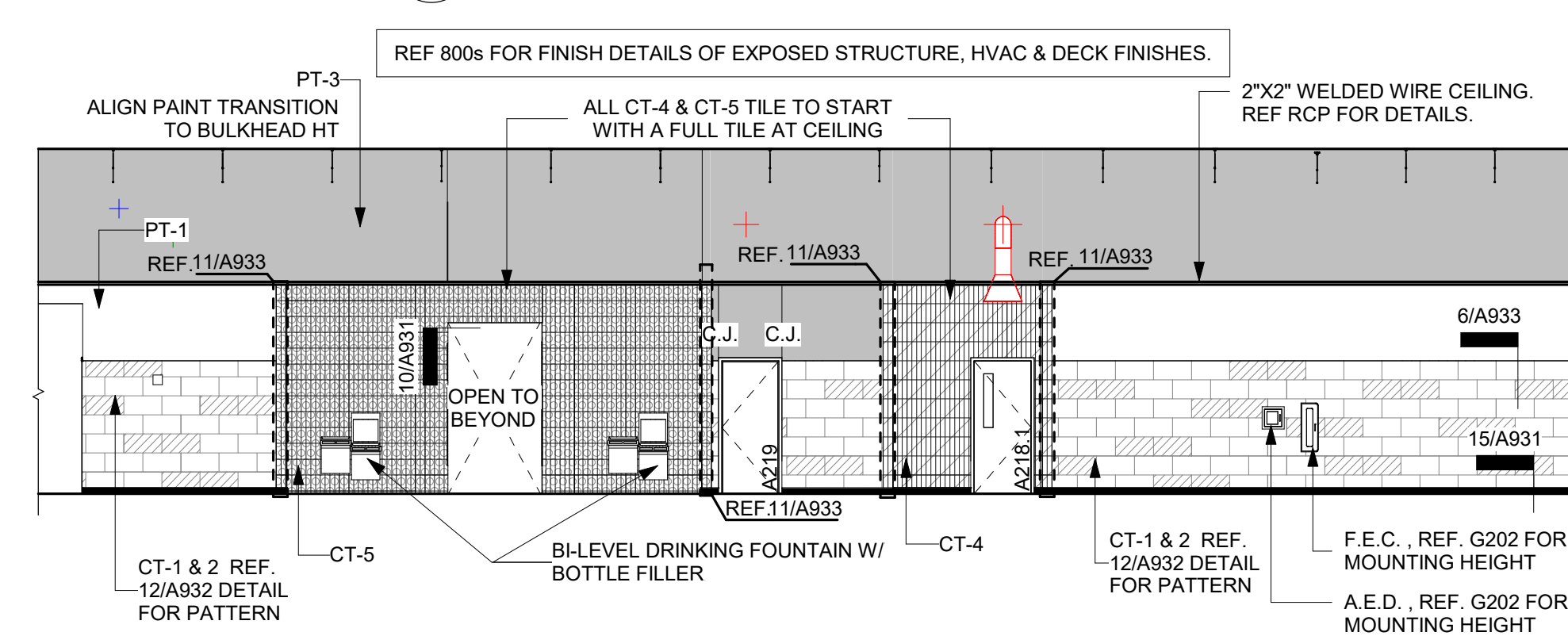
6 Int. Elevation - Level 2 - Unit A - Corridor A240 - West
1/8" = 1'-0"



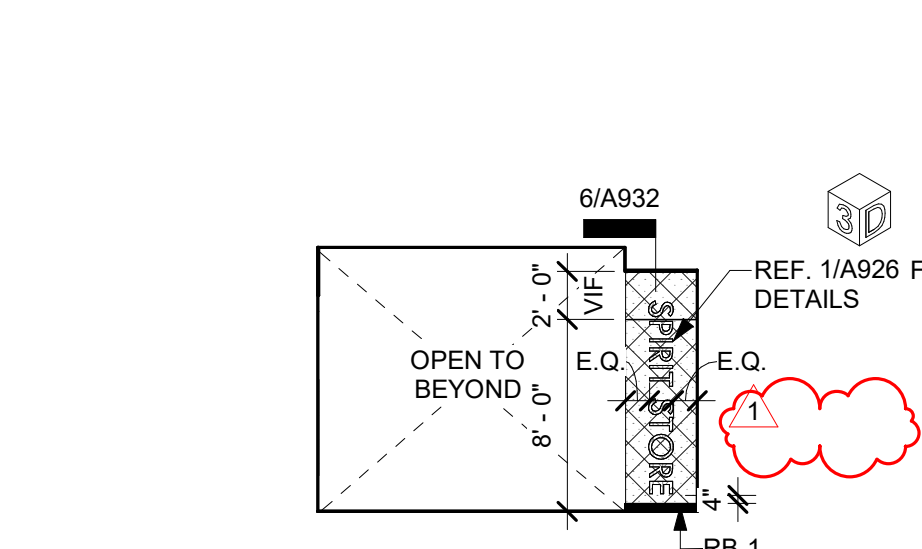
7 Int. Elevation - Level 2 - Unit A - Corridor A240 - East
1/8" = 1'-0"



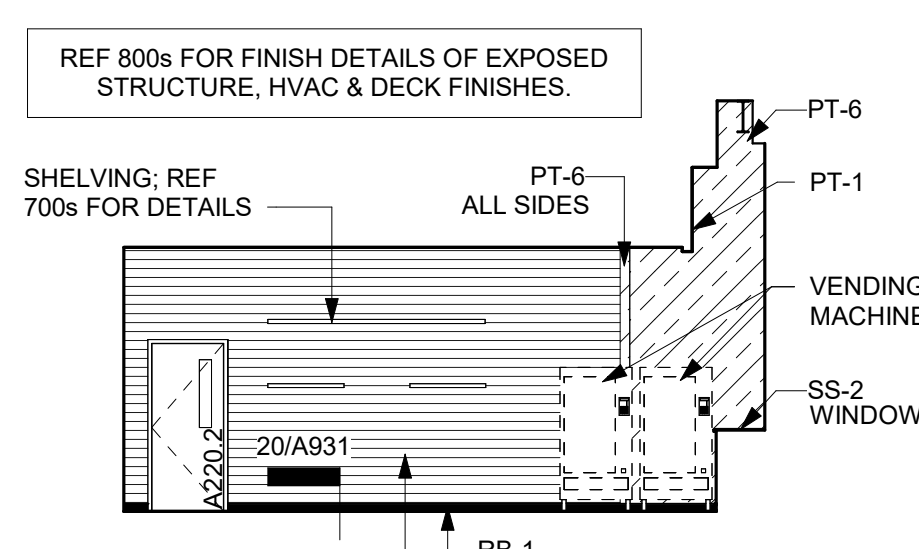
8 Int. Elevation - Level 2 - Unit A - Corridor A260 - East
1/8" = 1'-0"



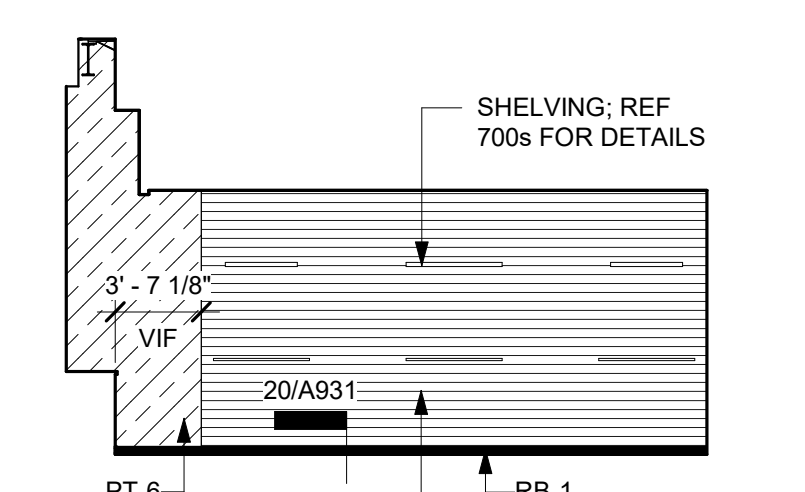
9 Int. Elevation - Level 2 - Unit A - Corridor A260 - West
1/8" = 1'-0"



10 Int. Elevation - Level 2 - Unit A - Corridor A260 - North
1/8" = 1'-0"



11 Int. Elevation - Level 2 - Unit A - Spirit Store A223 - North
1/8" = 1'-0"



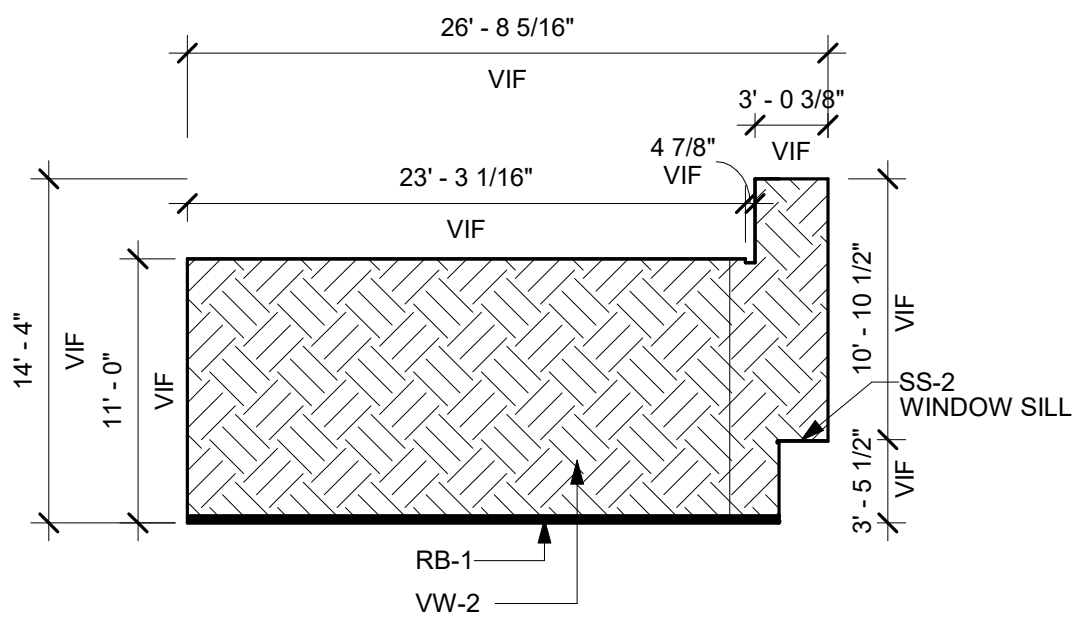
12 Int. Elevation - Level 2 - Unit A - Spirit Store A223 - South
1/8" = 1'-0"

PAINT COLOR	CERAMIC TILE	ACOUSTICAL PANEL	MISC.
PT-1	CT-1	UP-1	RB-1
PT-2	CT-2	UP-2	VF-1
PT-3	CT-3	UP-3	CS-1
PT-4	CT-4	CT-9	WD-1
PT-5	CT-5	CT-10	
PT-6	CT-6	CT-11	
PT-7	CT-7		
PT-8	CT-8		
PT-10			
PT-11			
PT-12			
PT-14			
PT-15			

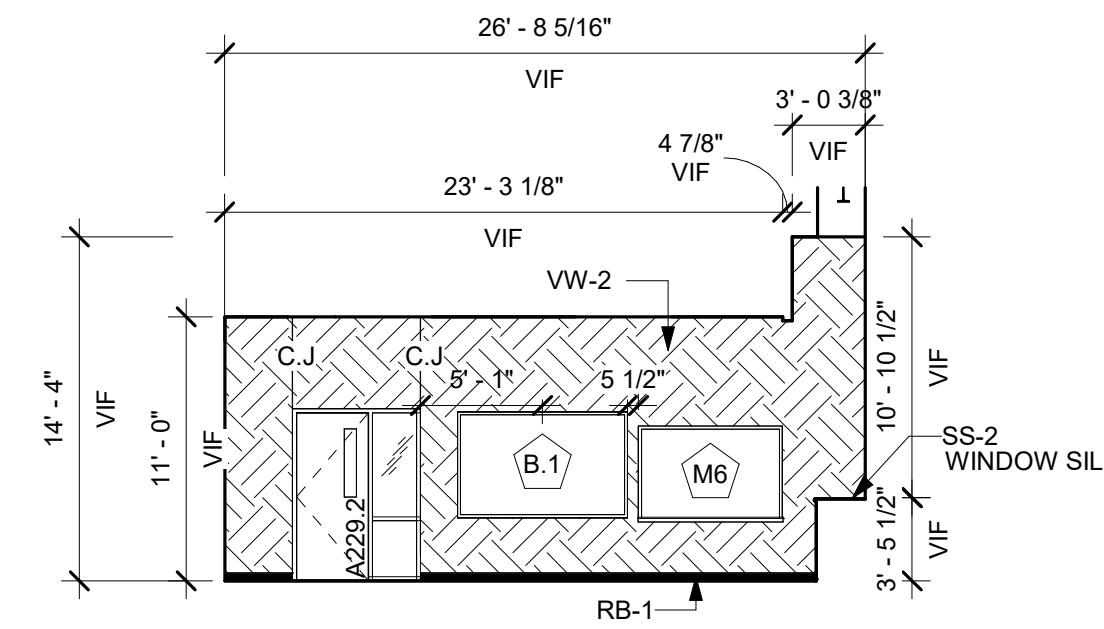
PLASTIC LAMINATE	VINYL WALL COVERING
PL-1	VW-1
PL-3	
PL-4	
PL-5	
PL-6	
PL-7	

MASONRY TYPE	ACOUSTIC WOOD FIBER PANEL
CMU TYPE 1	WFP

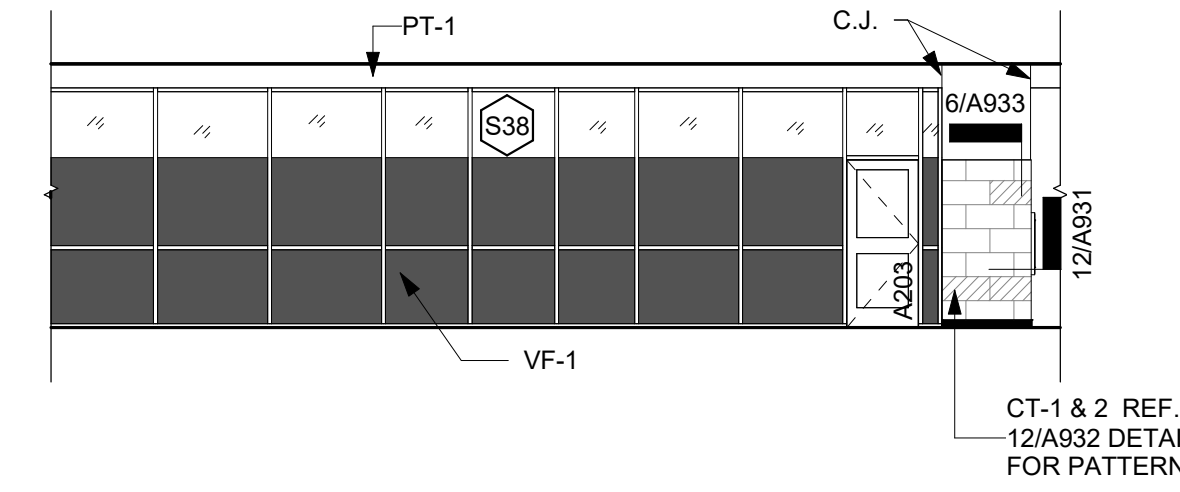
GENERAL NOTE:
1. ALL ELECTRICAL OUTLETS FINISH TO MATCH WALL FINISH.
2. INSTALL OF ALL WALL GRAPHICS TO BE COORDINATED WITH ARCHITECT, REGARDING CONTROL JOINT PATTERN.



1 Int. Elevation - Level 2 - Unit A - C.C. Advisor A229 - North
1/8" = 1'-0"



2 Int. Elevation - Level 2 - Unit A - Go Center A230 - North
1/8" = 1'-0"



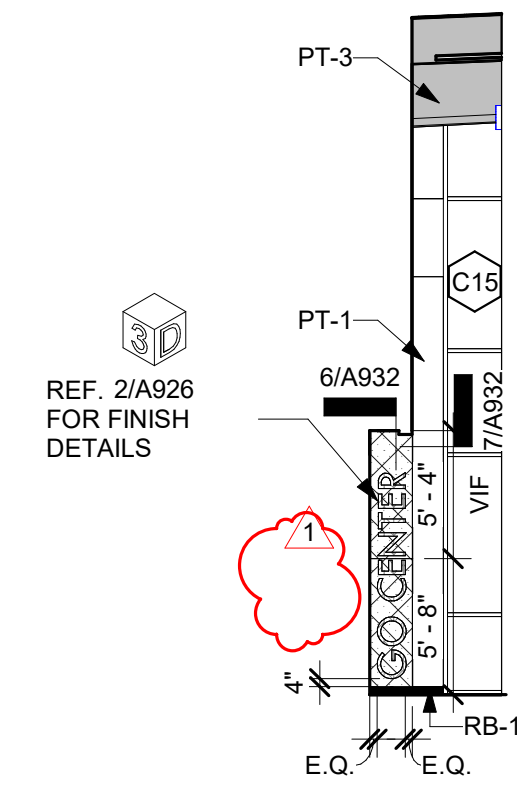
3 Int. Elevation - Level 2 - Unit A - Corridor A260 - West 2
1/8" = 1'-0"

PAINT COLOR	CERAMIC TILE	ACOUSTICAL PANEL	MISC.
PT-1	CT-1	UP-1	RB-1
PT-2	CT-2	UP-2	WD-1
PT-3	CT-3	UP-3	WP-1
PT-4	CT-4	UP-4	VF-1
PT-5	CT-5	UP-7	CS-1
PT-6	CT-6	PL-1	GFRG-1
PT-7	CT-7	PL-5	
PT-8	CT-8	PL-6	
PT-10	CT-10	PL-7	
PT-11	CT-11		
PT-12			
PT-14			
PT-15			

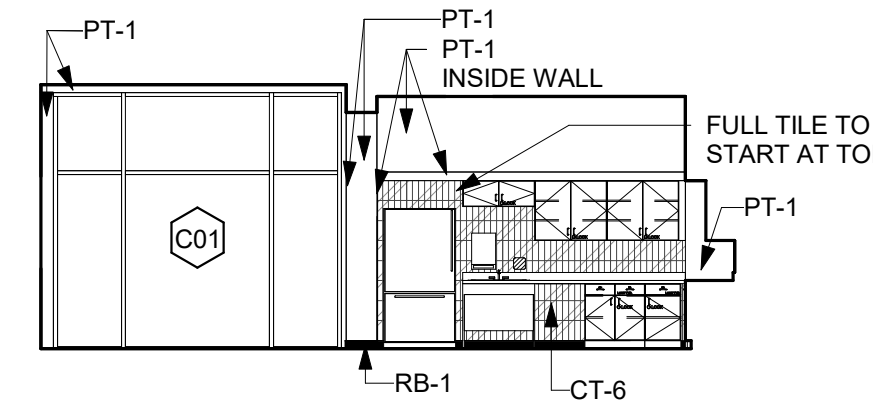
PLASTIC LAMINATE	VINYL WALL COVERING
PL-1	VW-1
PL-3	
PL-4	
PL-5	
PL-6	
PL-7	

MASONRY TYPE	ACOUSTIC WOOD FIBER PANEL
CMU TYPE 1	WFP

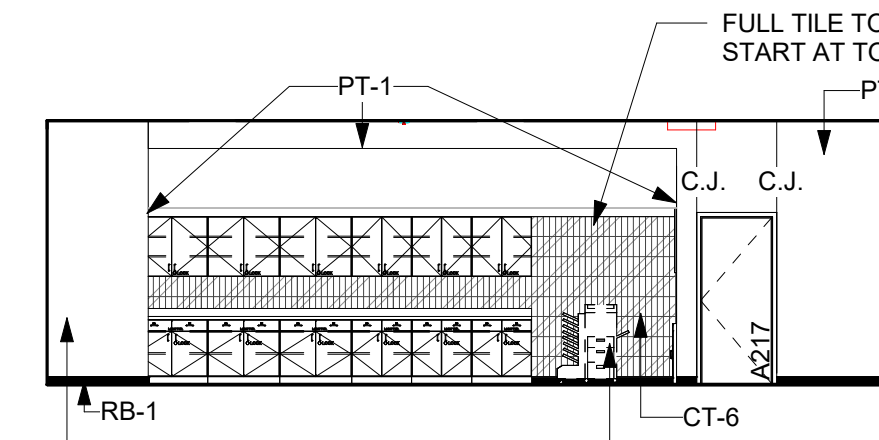
GENERAL NOTE:
1. ALL ELECTRICAL OUTLETS FINISH TO MATCH WALL FINISH.
2. INSTALL OF ALL WALL GRAPHICS TO BE COORDINATED WITH ARCHITECT, REGARDING CONTROL JOINT PATTERN.



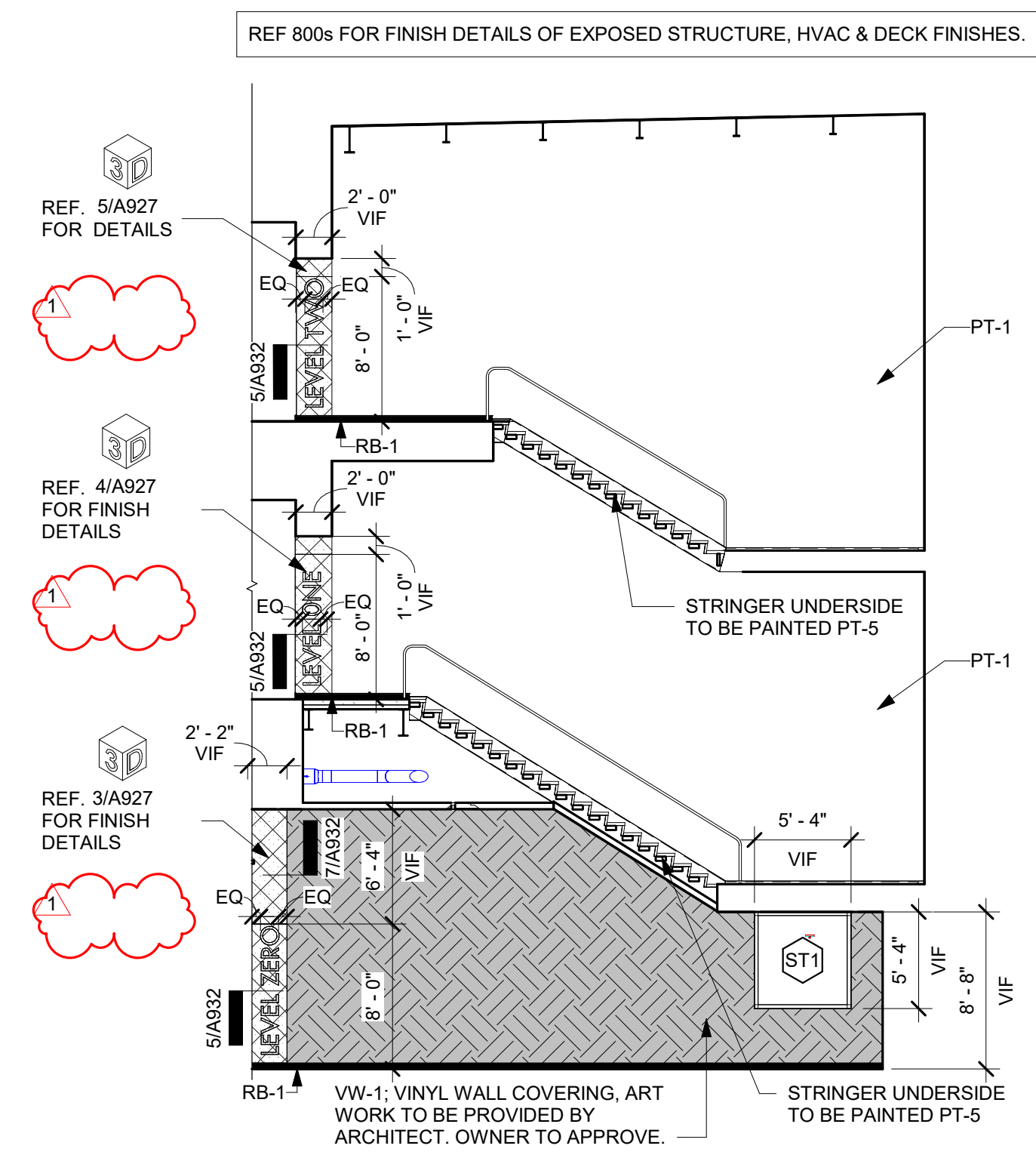
4 Int. Elevation - Level 2 - Unit A - Corridor A200 - East
1/8" = 1'-0"



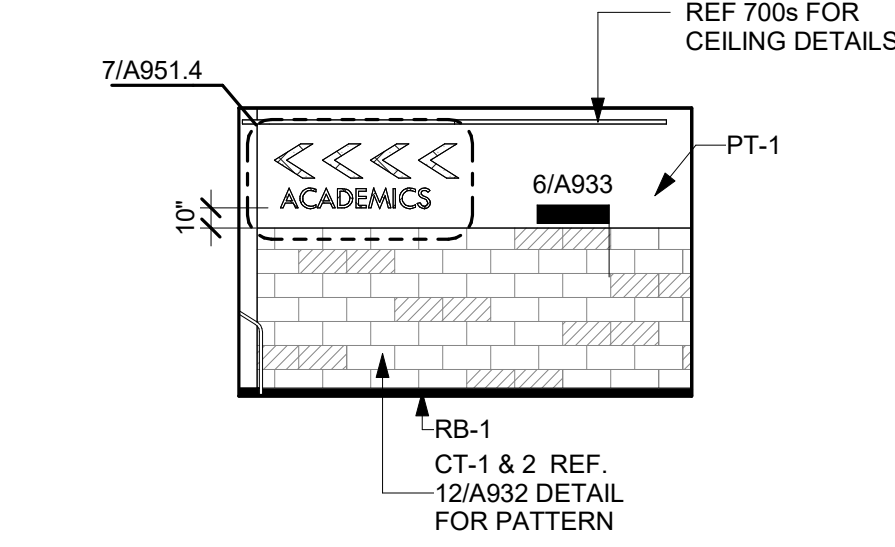
5 Int. Elevation - Level 2 - Unit A - Breakroom A216- North
1/8" = 1'-0"



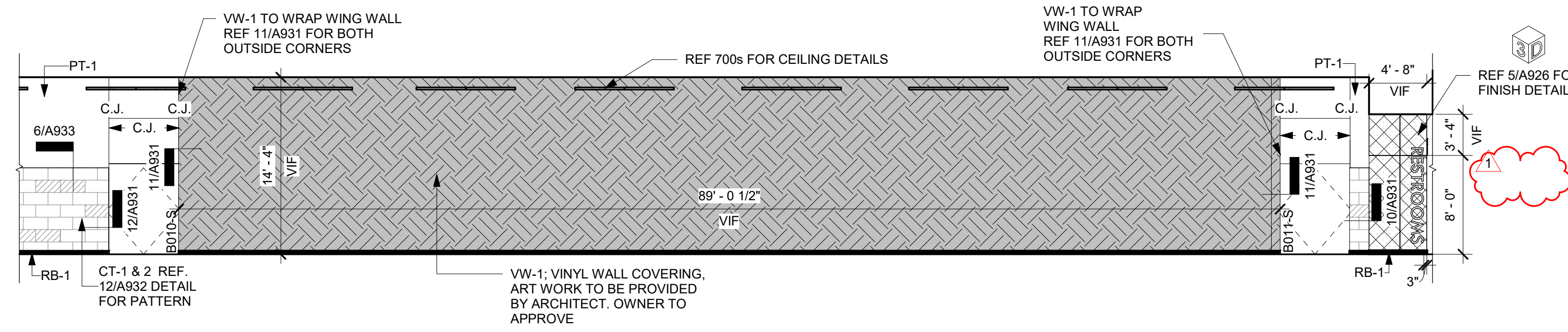
6 Int. Elevation - Level 2 - Unit A - Breakroom A216- East
1/8" = 1'-0"



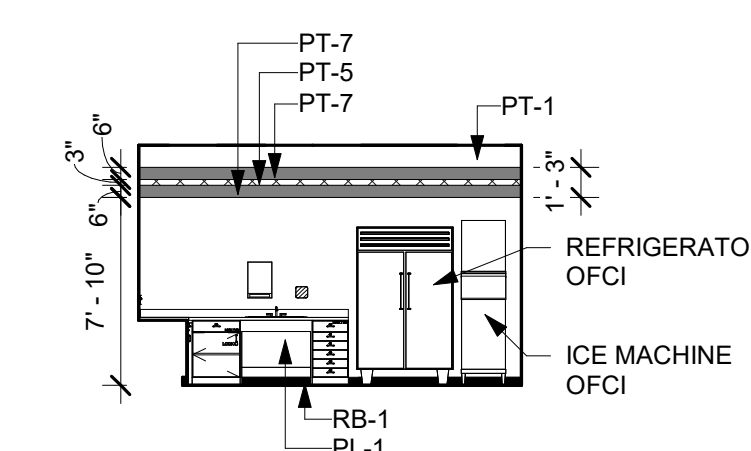
7 Int. Elevation - Level 0 - Unit B - Stairs S3 - West
1/8" = 1'-0"



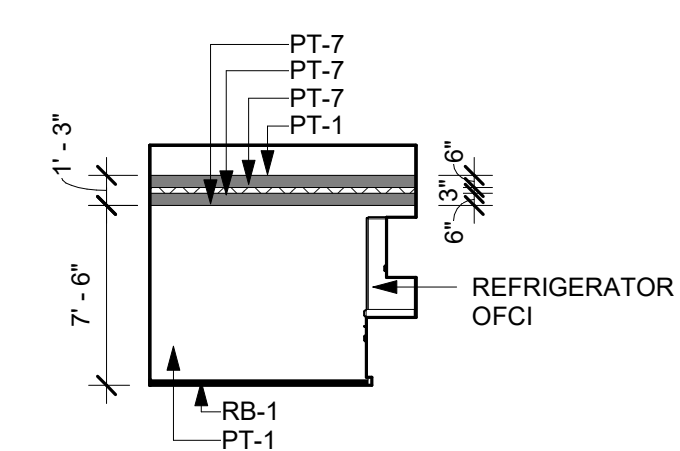
8 Int. Elevation - Level 0 - Unit B - Stairs S3 - East
1/8" = 1'-0"



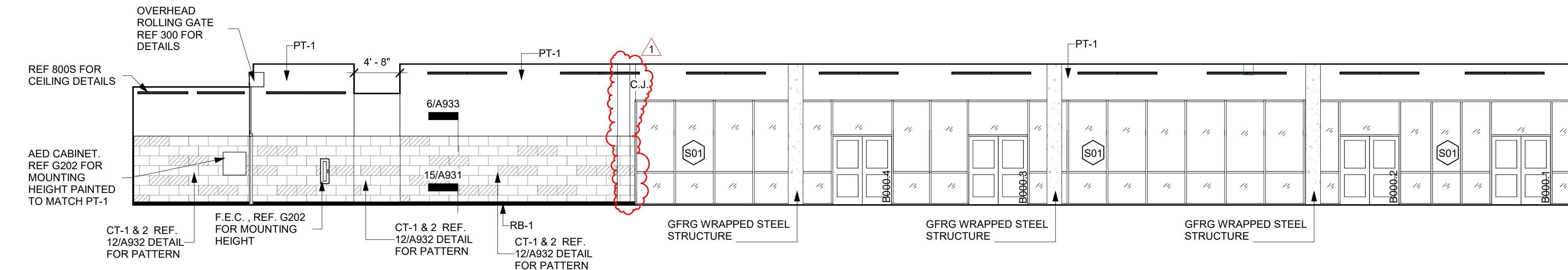
9 Int. Elevation - Level 0 - Unit B - Corridor B000 - North
1/8" = 1'-0"



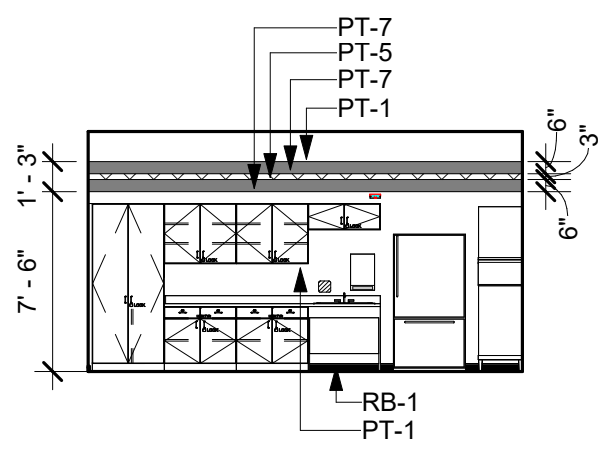
11 Int. Elevation - Level 0 - Unit B - Conc. B001 - West - Concessions Paint Typ. Paint Detail
1/8" = 1'-0"



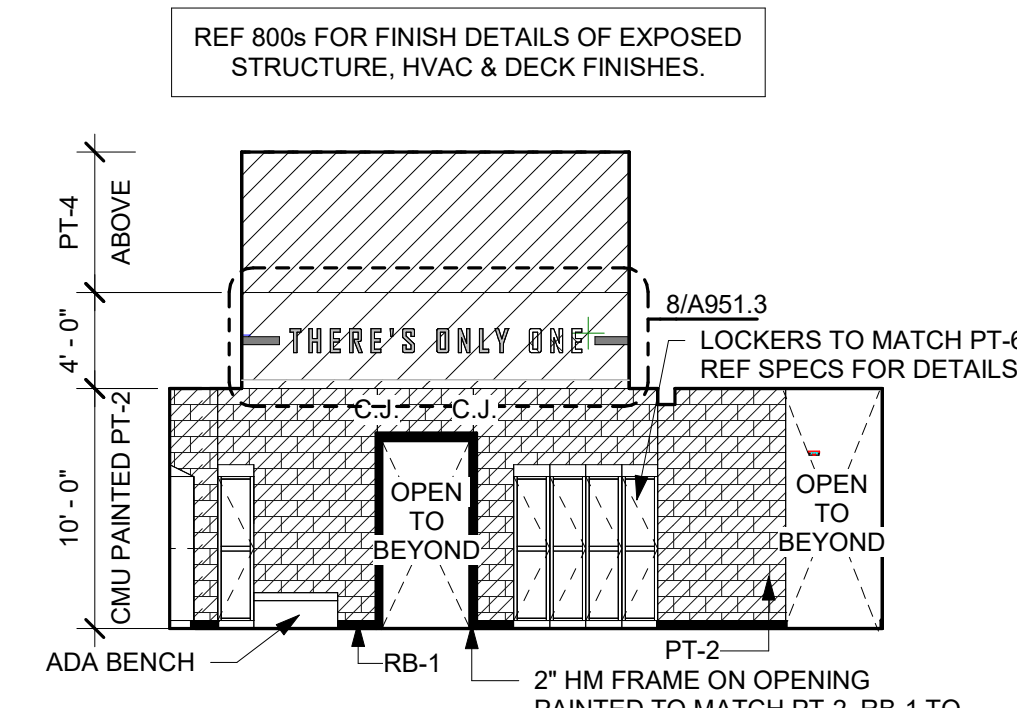
12 Int. Elevation - Level 0 - Unit B - Training Room B009 - West
1/8" = 1'-0"



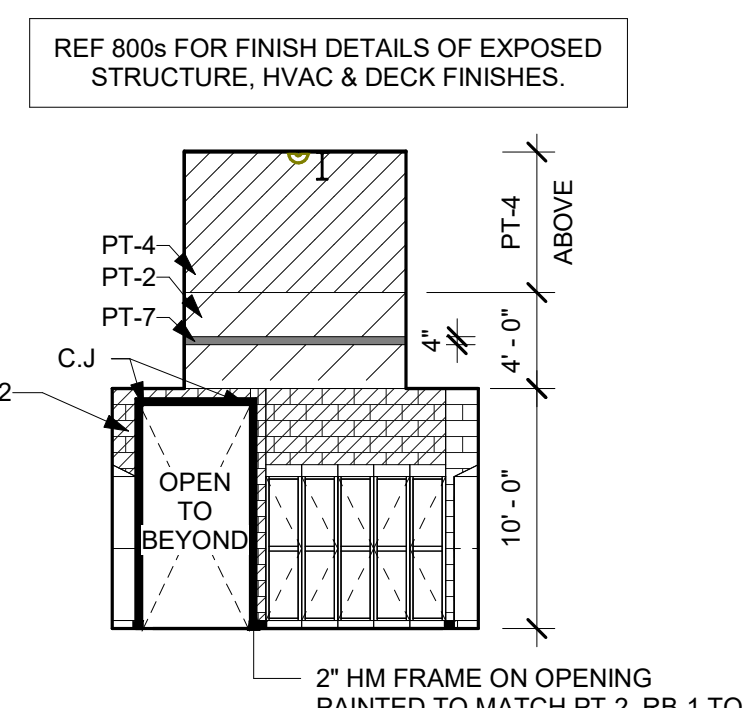
10 Int. Elevation - Level 0 - Unit B - Corridor B000 - South
1/8" = 1'-0"



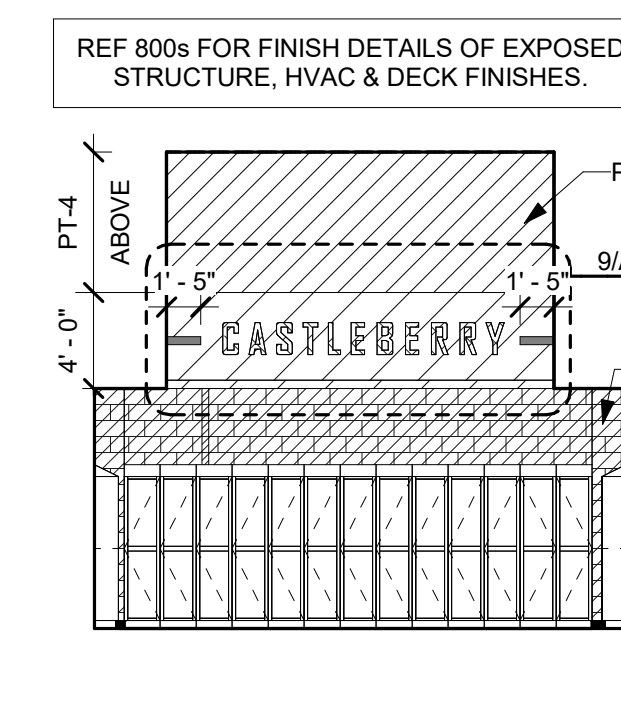
13 Int. Elevation - Level 0 - Unit B - Training Room B009 - North
1/8" = 1'-0"



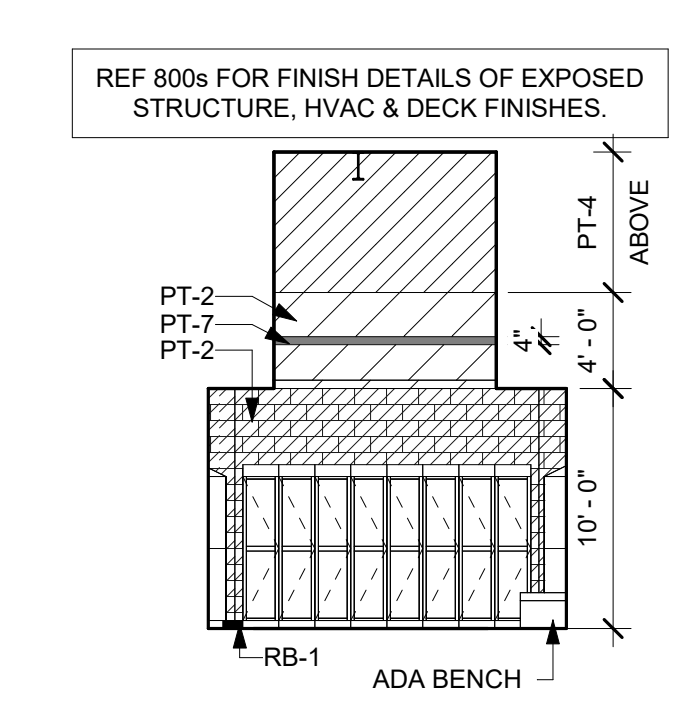
14 Int. Elevation - Level 0 - Unit B - Visitor Locker Room B002 - North
1/8" = 1'-0"



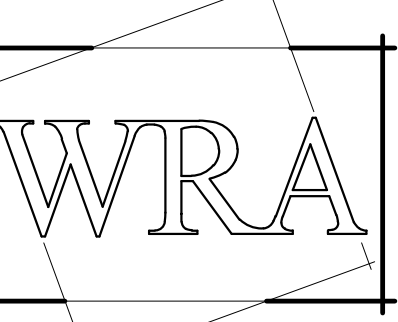
15 Int. Elevation - Level 0 - Unit B - Visitor Locker Room B002 - East
1/8" = 1'-0"



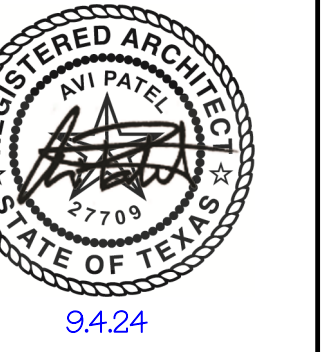
16 Int. Elevation - Level 0 - Unit B - Visitor Locker Room B002 - South
1/8" = 1'-0"



17 Int. Elevation - Level 0 - Unit B - Visitor Locker Room B002 - West
1/8" = 1'-0"



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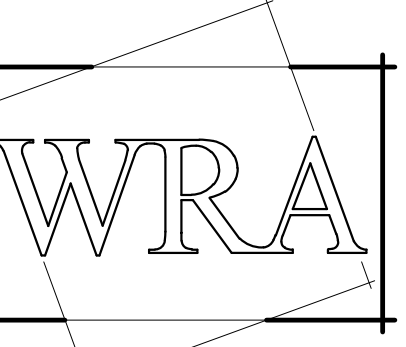


Castleberry ISD High School Addn.
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REVISIONS:	No.	Date
	1	09/19/2024

JOB NO.	2359
DATE:	09/19/2024
Interior Elevations	

A943



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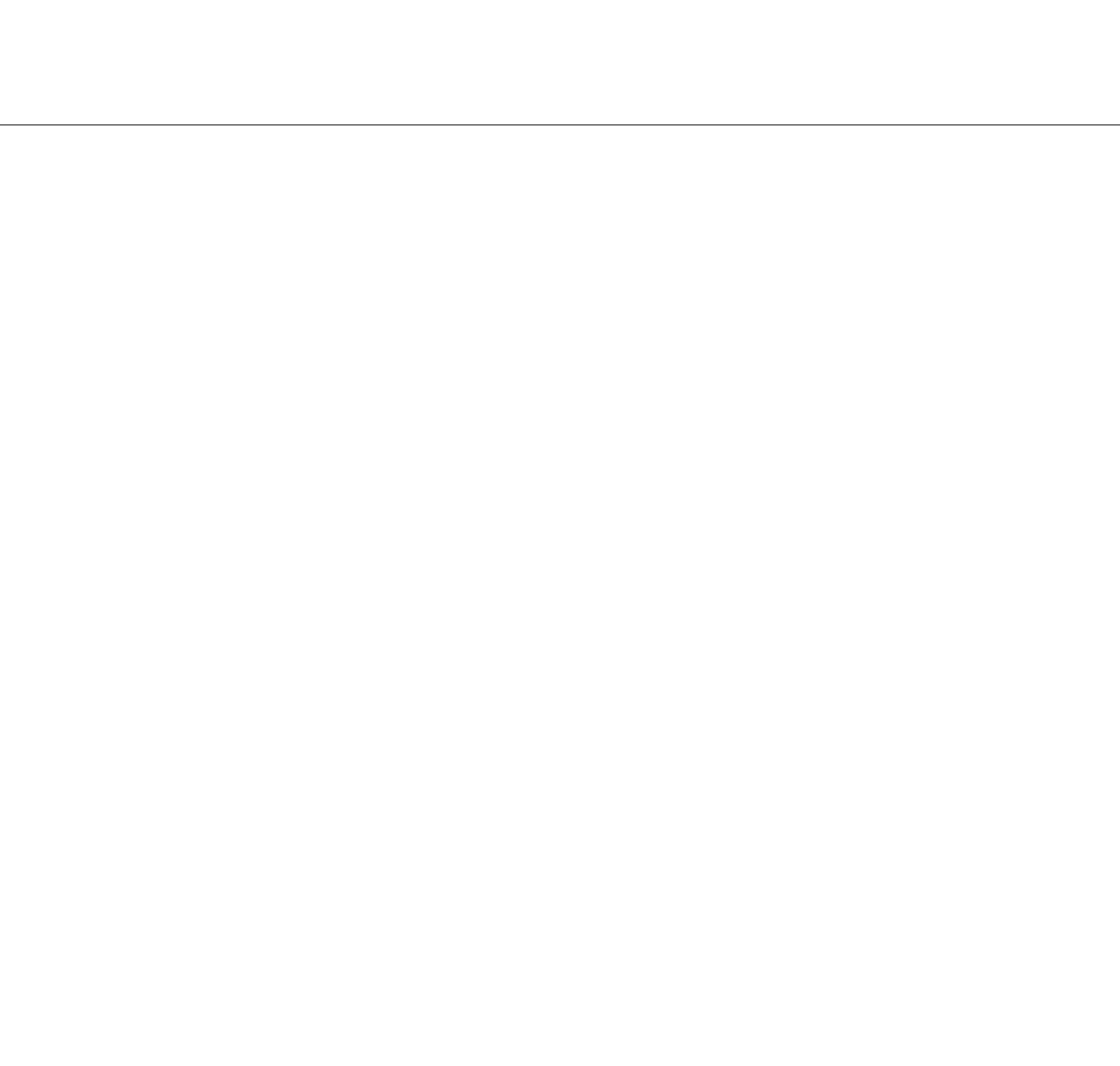
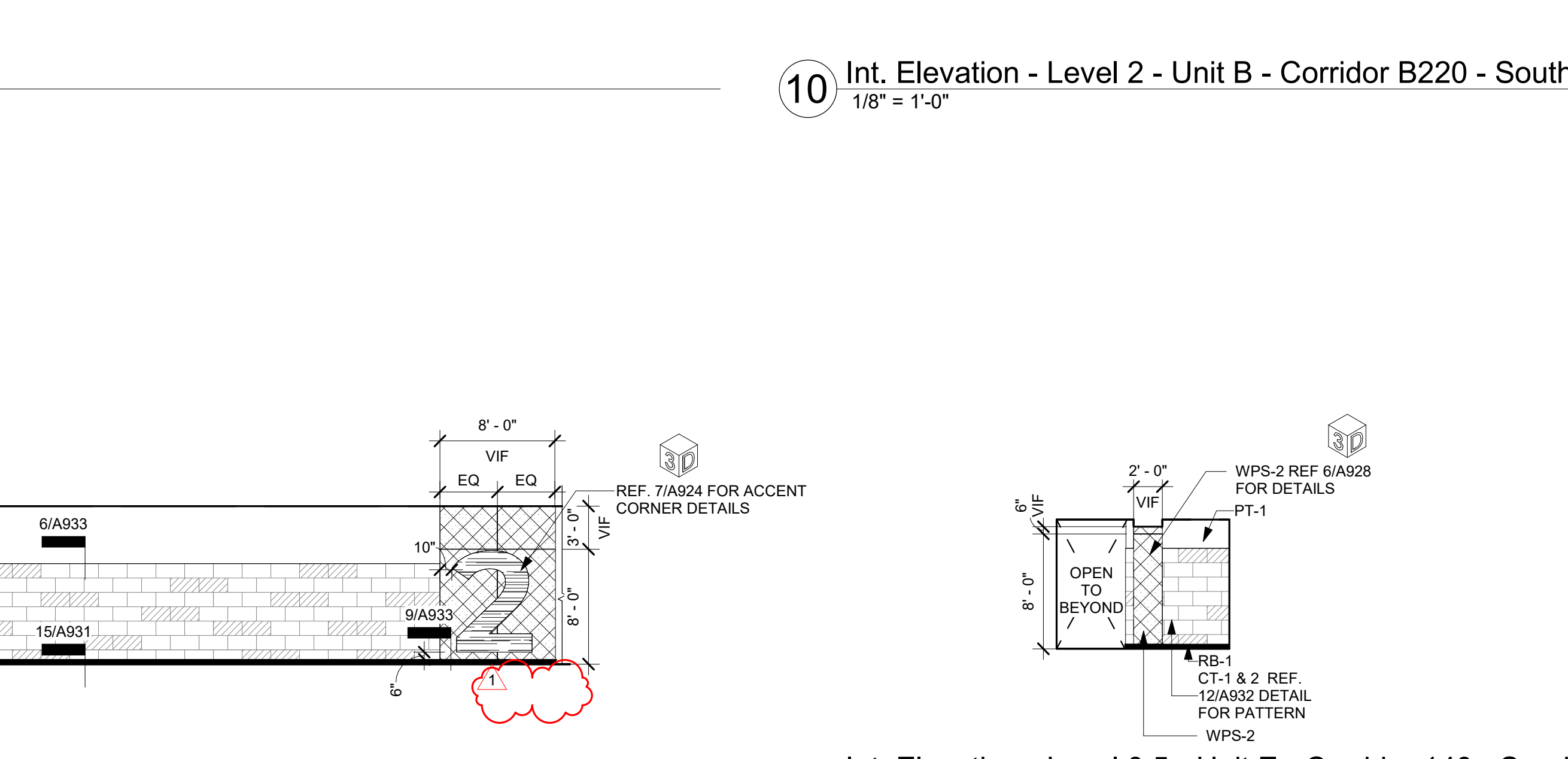
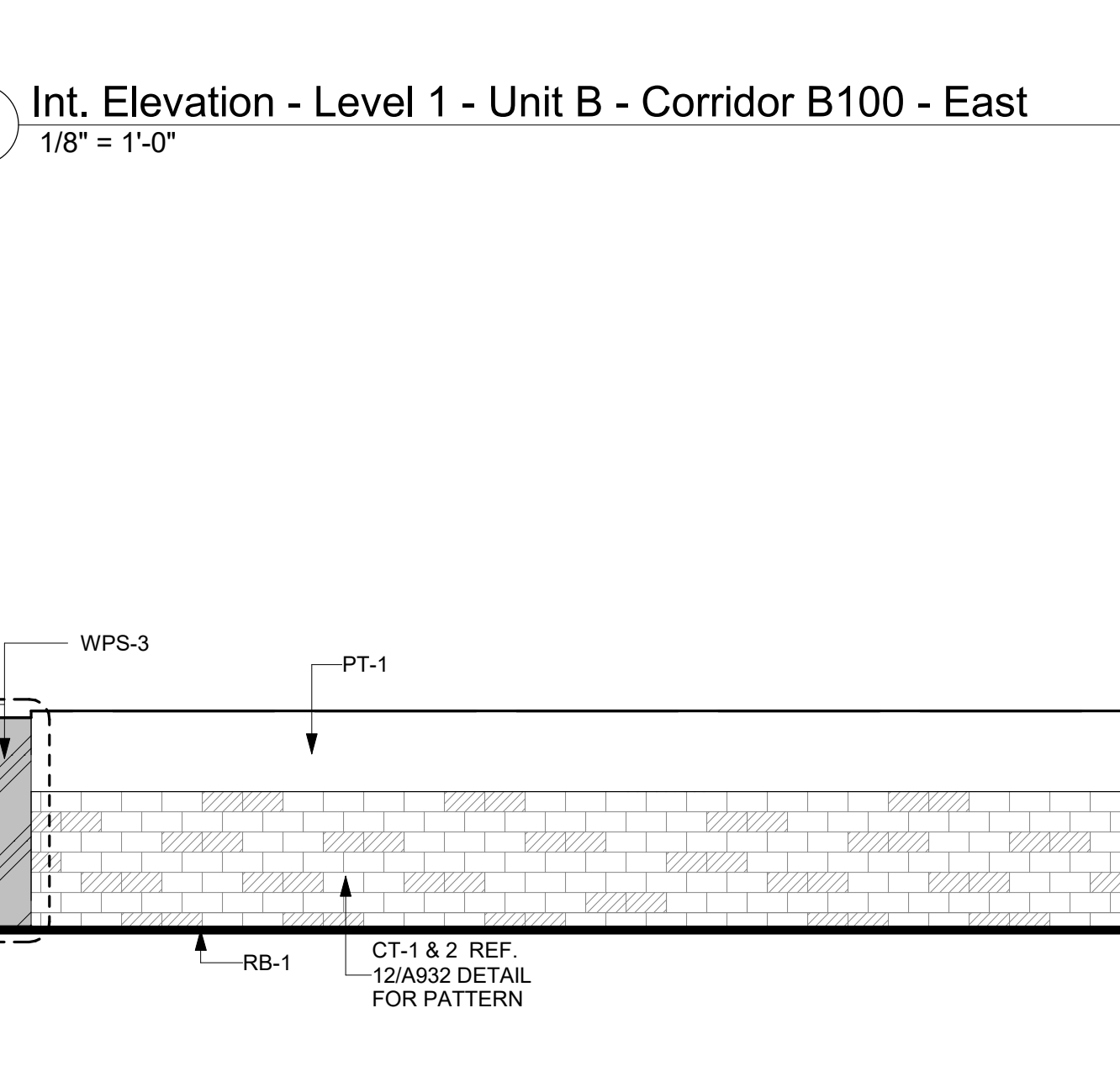
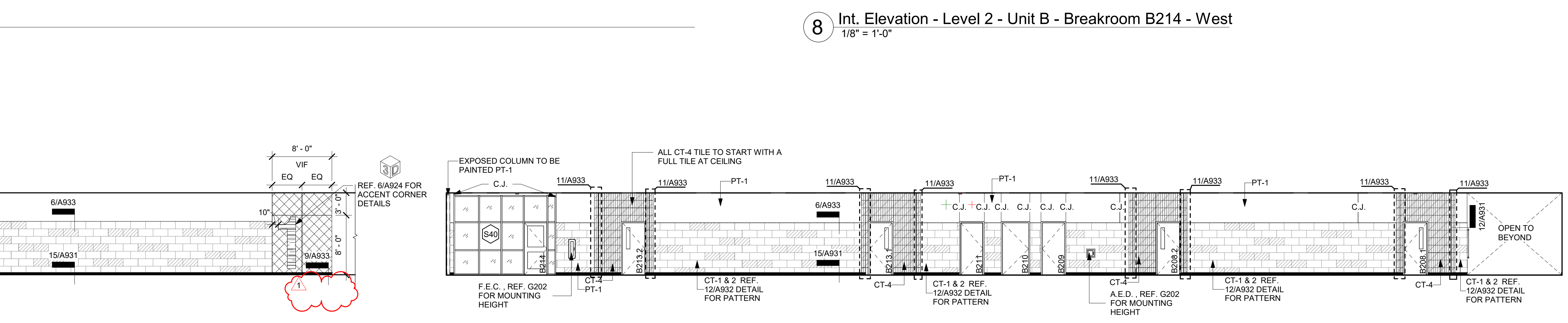
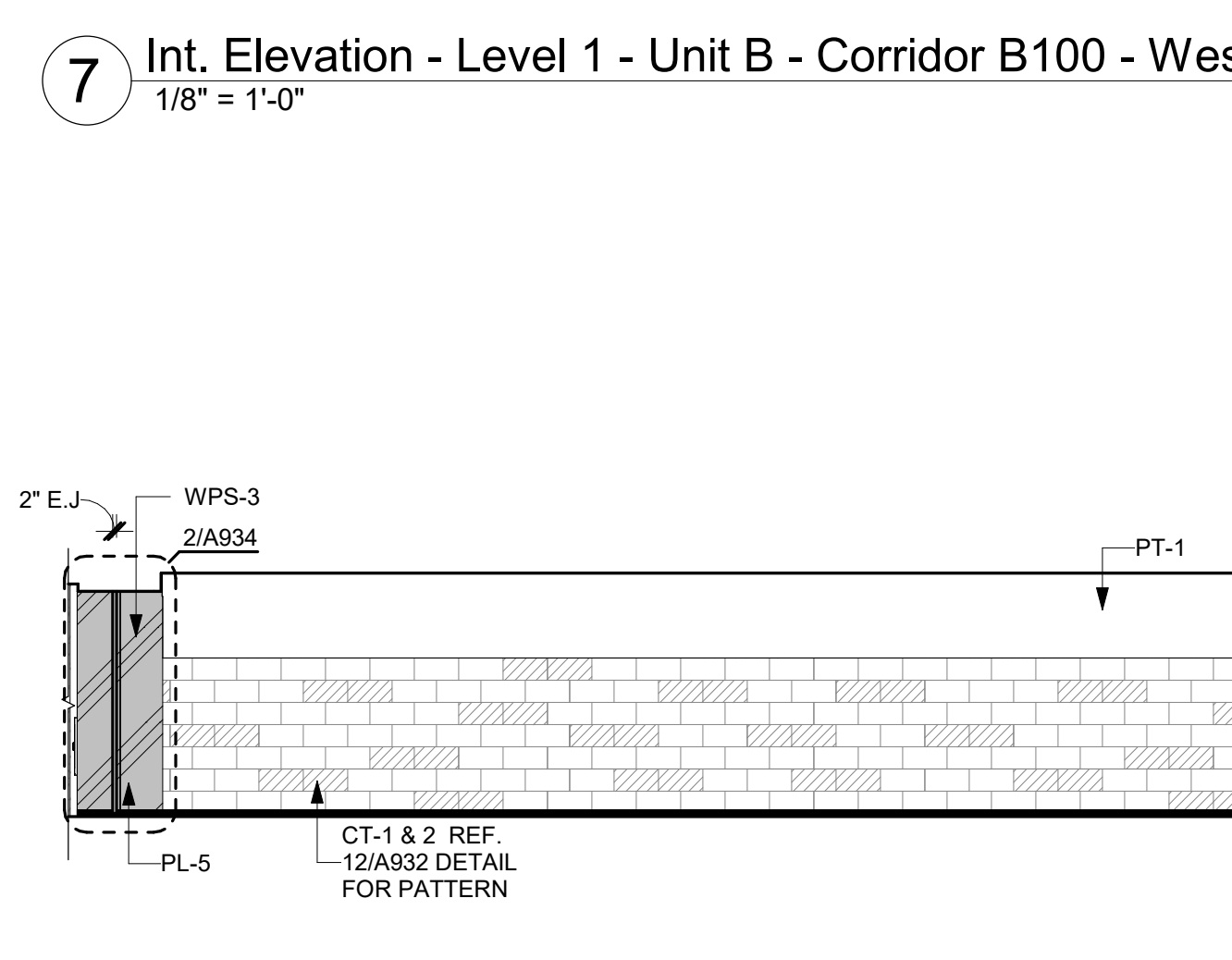
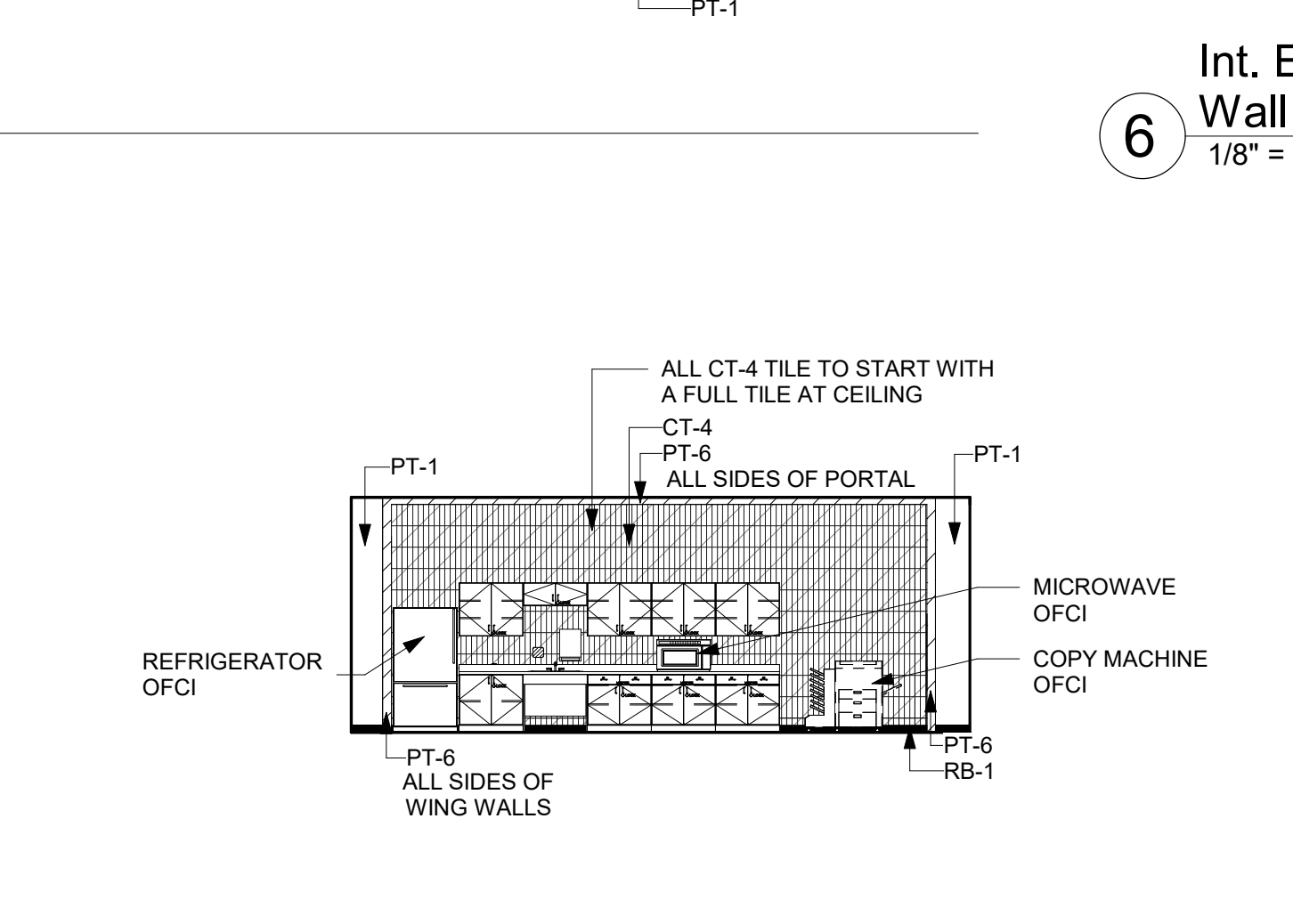
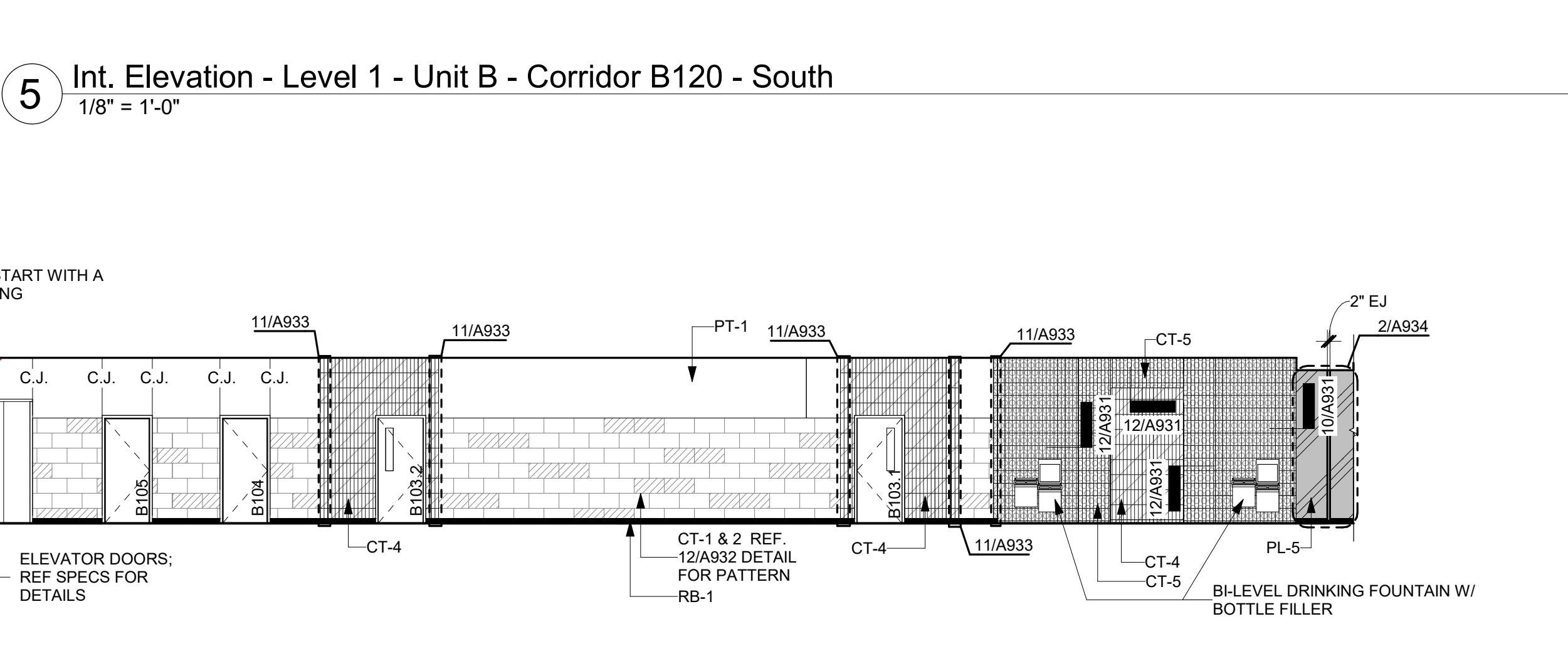
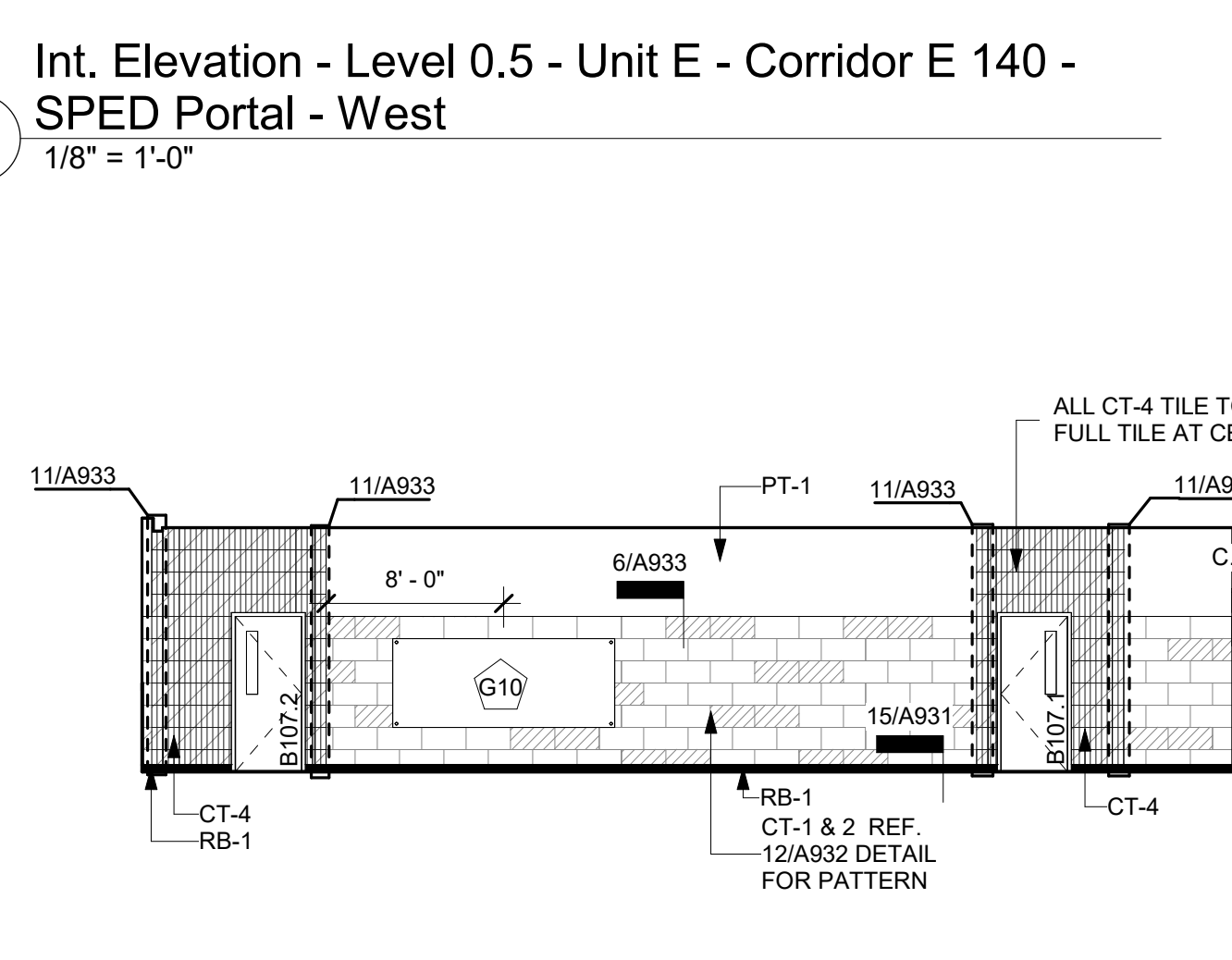
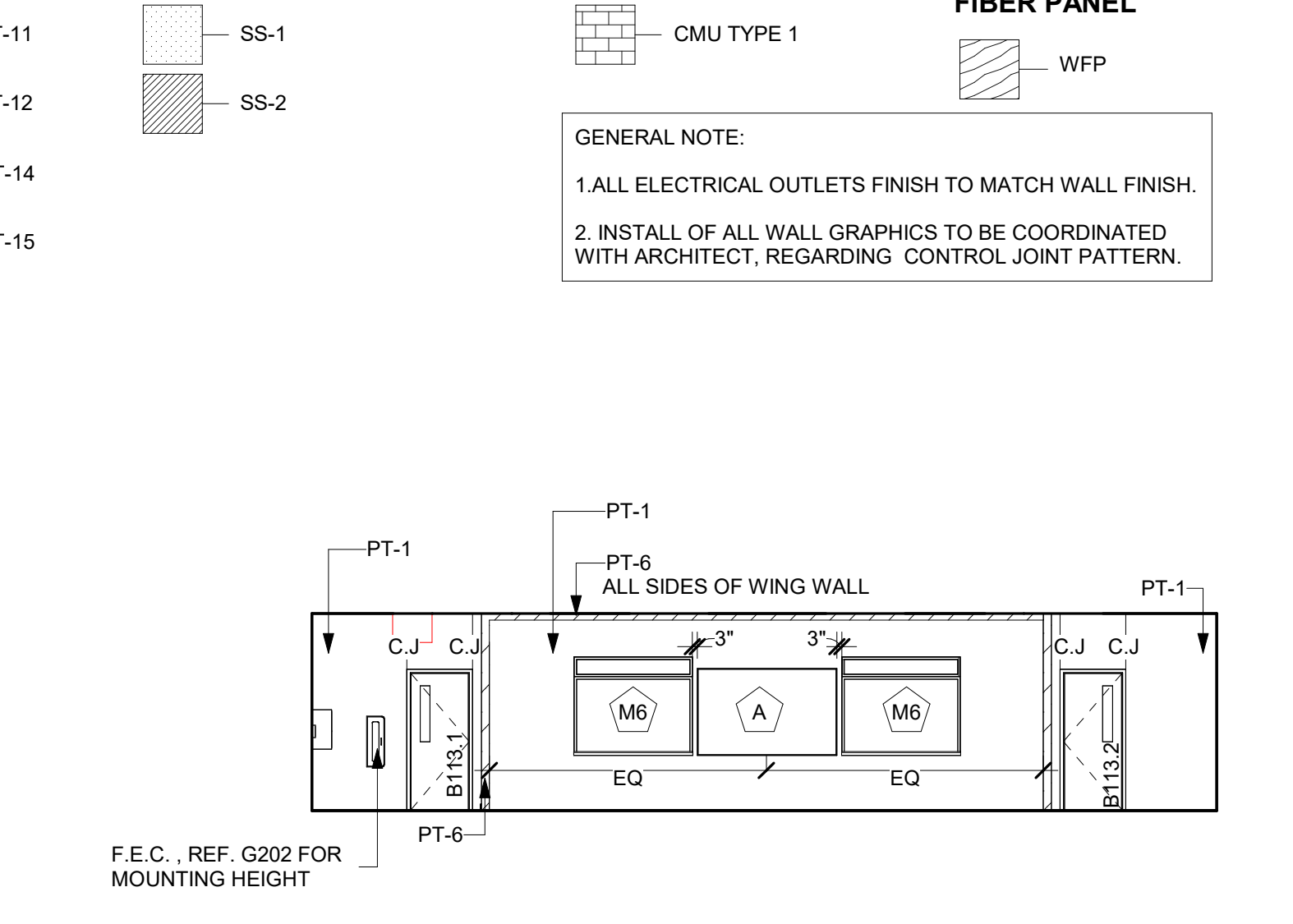
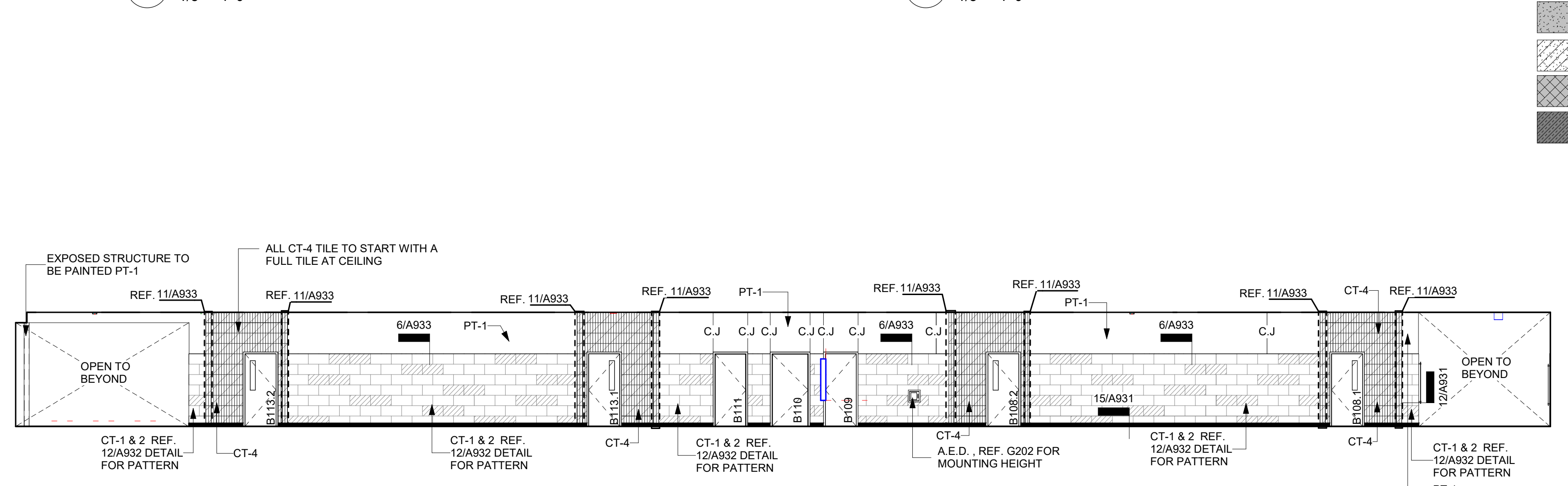
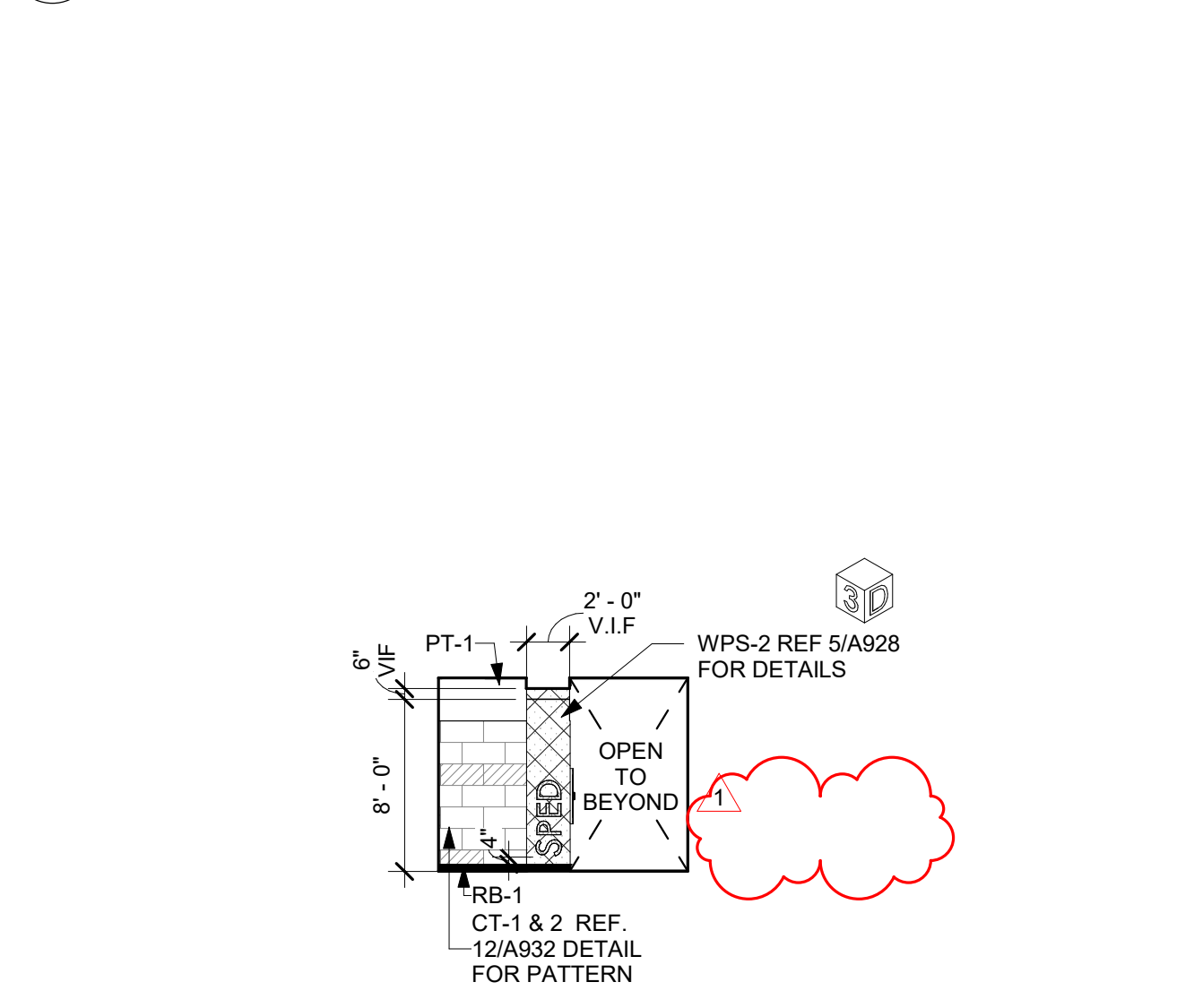
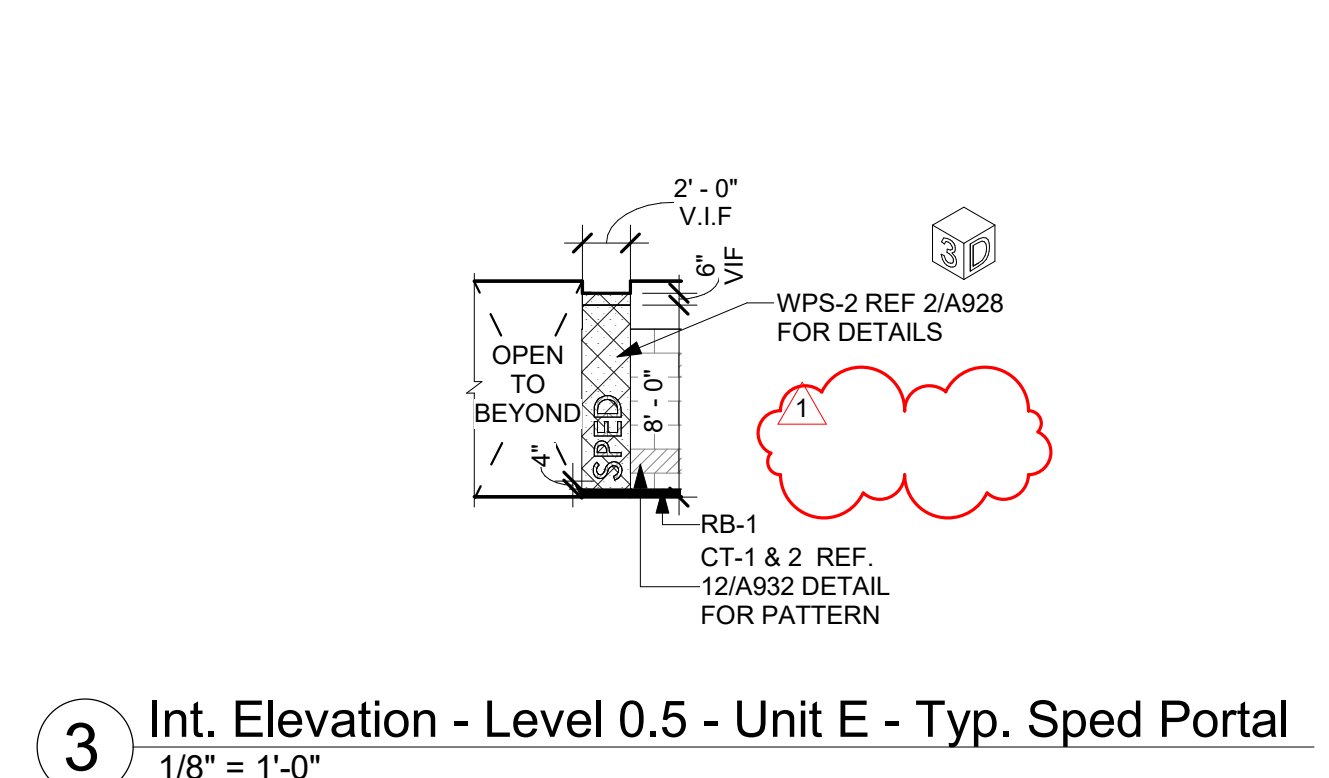
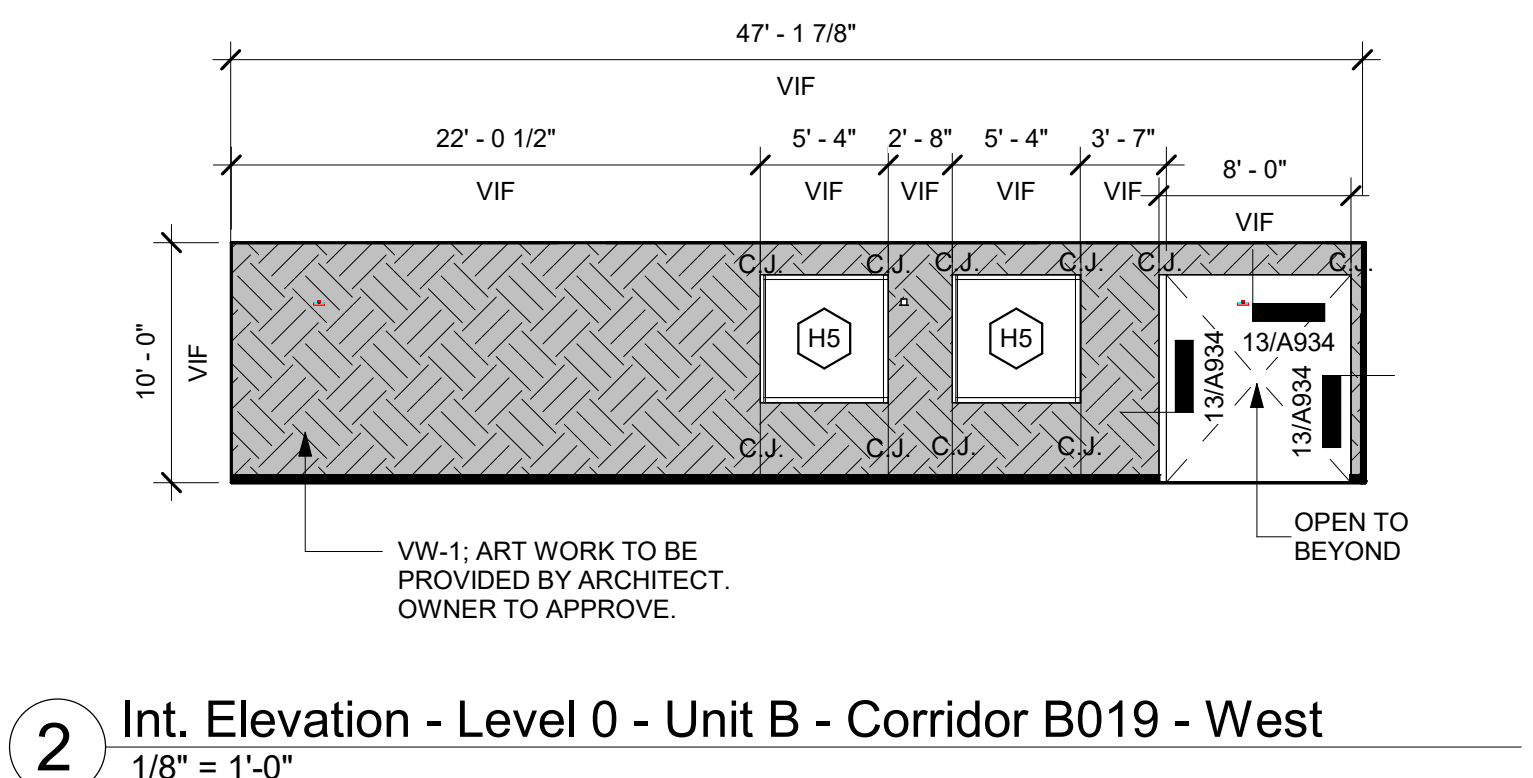
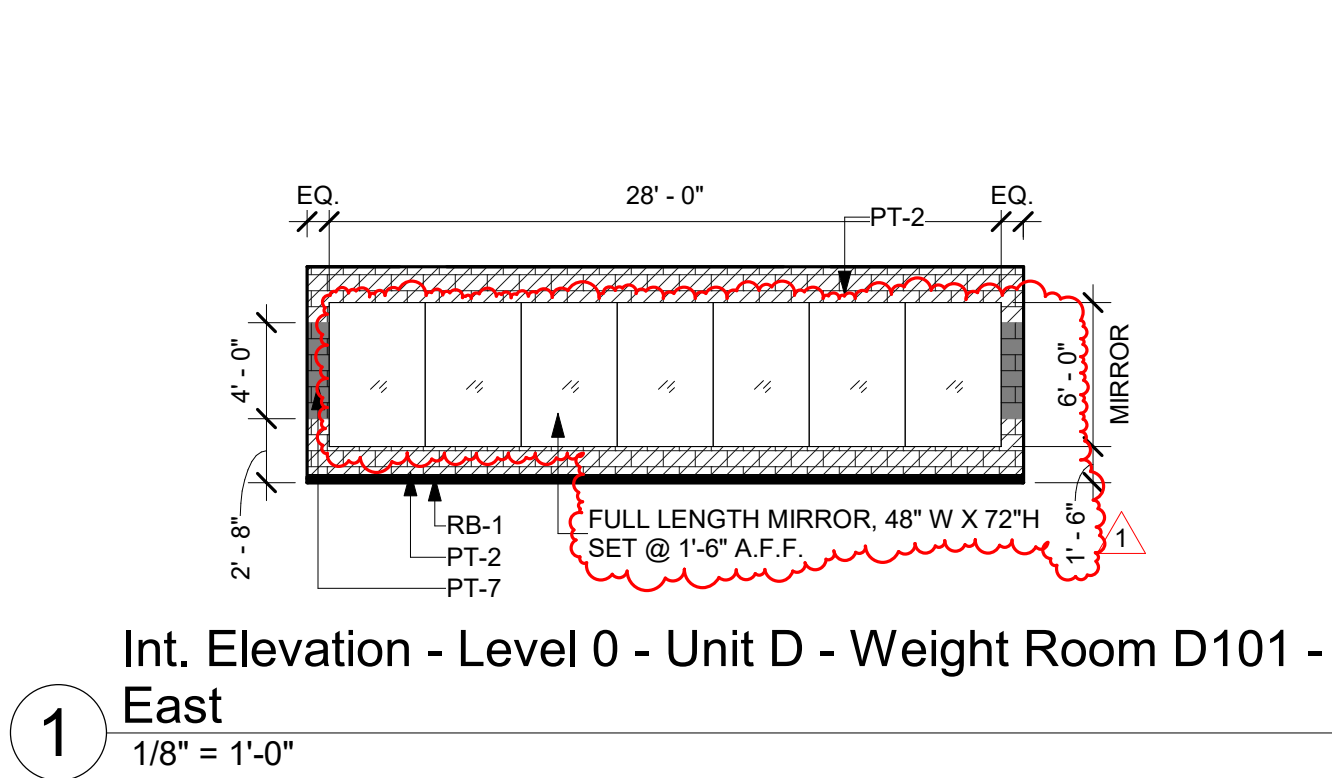
Castleberry ISD High School Addn.
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PAINT COLOR		CERAMIC TILE		ACOUSTICAL PANEL		MISC.	
PT-1	PT-2	CT-1	CT-2	UP-1	UP-2	RB-1	WD-1
PT-3	PT-4	CT-3	CT-4	UP-3	UP-4	WP-1	VF-1
PT-5	PT-6	CT-5	CT-6	UP-5	UP-6	CS-1	GFRG-1
PT-7	PT-8	CT-7	CT-8	UP-7	UP-8		
PT-9	PT-10	CT-9	CT-10	UP-9	UP-10		
PT-11	PT-12	CT-11	CT-12	UP-11	UP-12		
PT-13	PT-14						
PT-15							

SOLID SURFACE		PLASTIC LAMINATE		VINYL WALL COVERING	
SS-1	SS-2	PL-1	PL-2	VW-1	
		PL-3	PL-4		
		PL-5	PL-6		
		PL-7			

MASONRY TYPE		ACOUSTIC WOOD FIBER PANEL	
CMU TYPE 1		WFP	

GENERAL NOTE:
1. ALL ELECTRICAL OUTLETS FINISH TO MATCH WALL FINISH.
2. INSTALL OF ALL WALL GRAPHICS TO BE COORDINATED WITH ARCHITECT, REGARDING CONTROL JOINT PATTERN.



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REVISIONS:	
No.	Date

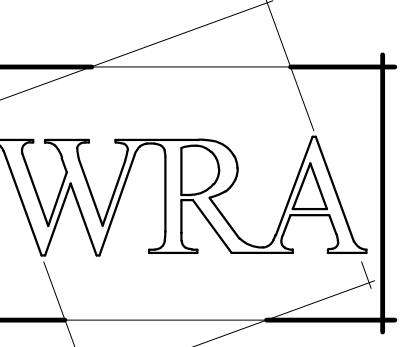
1	Addendum #1 09/19/2024
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JOB NO.	2399
DATE:	09/19/2024

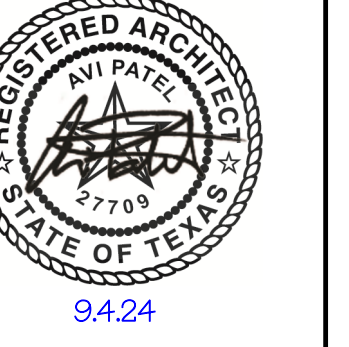
Interior Elevations

A945

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No. 1 Addendum #1 Date 09/19/24

JOB NO. 2399
DATE: 09/19/2024

Interior Elevations

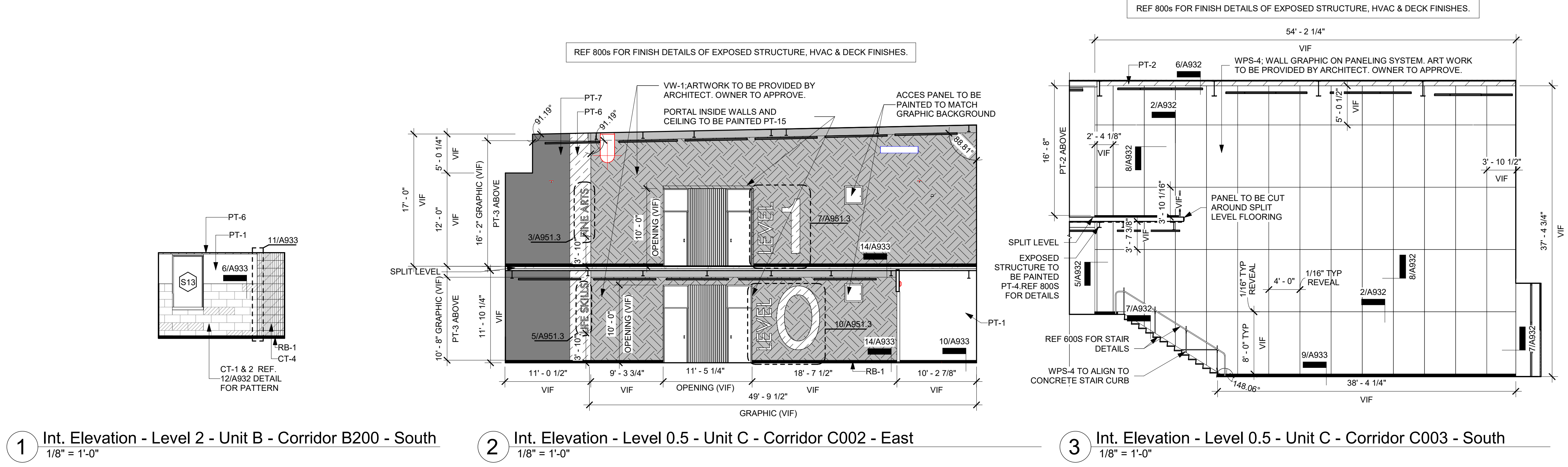
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PAINT COLOR	CERAMIC TILE	ACOUSTICAL PANEL	MISC.
PT-1	CT-1	UP-1	RB-1
PT-2	CT-2	UP-2	WP-1
PT-3	CT-3	UP-3	CS-1
PT-4	CT-4	UP-4	WD-1
PT-5	CT-5	UP-7	VF-1
PT-6	CT-6	PL-1	GFRG-1
PT-7	CT-7	PL-3	
PT-8	CT-8	PL-4	
PT-10	CT-9	PL-5	
PT-11	CT-10	PL-6	
PT-12	CT-11	PL-7	
PT-14			
PT-15			

SOLID SURFACE	MASONRY TYPE	ACQUSTIC WOOD FIBER PANEL
SS-1	CMU TYPE 1	WFP
SS-2		

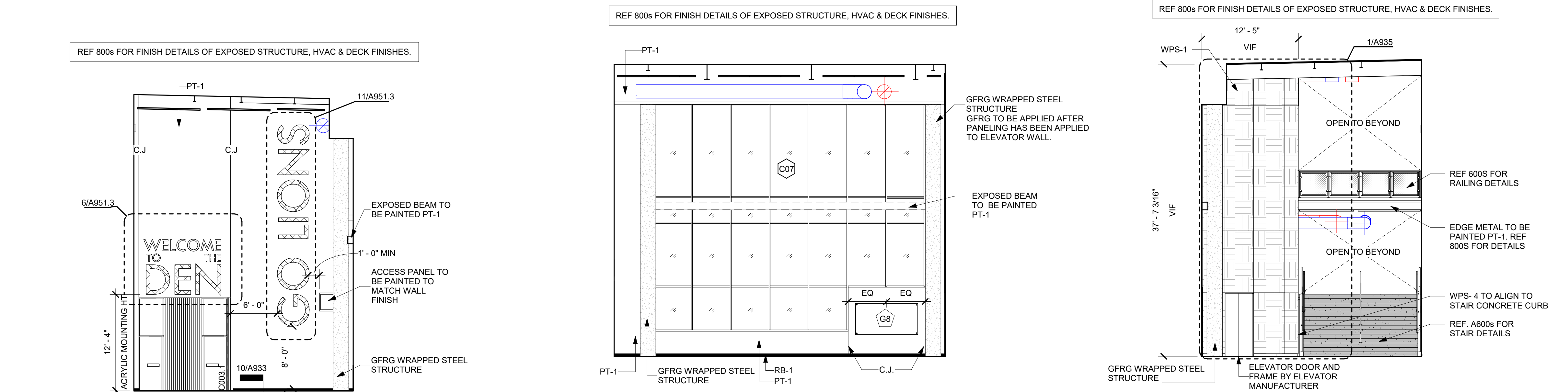
GENERAL NOTE:
1. ALL ELECTRICAL OUTLETS FINISH TO MATCH WALL FINISH.
2. INSTALL OF ALL WALL GRAPHICS TO BE COORDINATED WITH ARCHITECT, REGARDING CONTROL JOINT PATTERN.



1 Int. Elevation - Level 2 - Unit B - Corridor B200 - South
1/8" = 1'-0"

2 Int. Elevation - Level 0.5 - Unit C - Corridor C002 - East
1/8" = 1'-0"

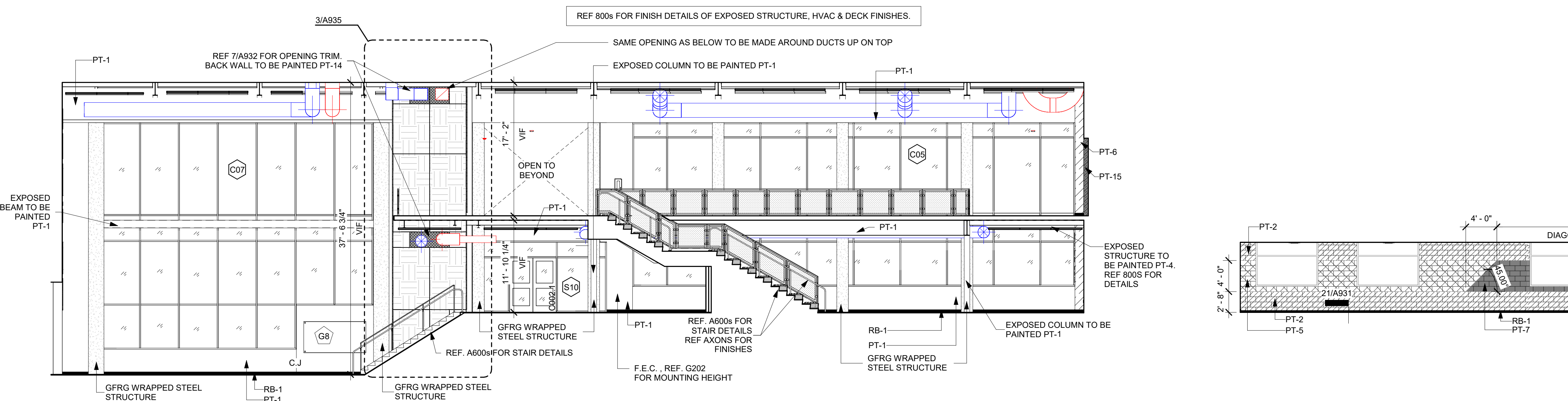
3 Int. Elevation - Level 0.5 - Unit C - Corridor C003 - South
1/8" = 1'-0"



4 Int. Elevation - Level 0.5 - Unit C - Corridor C003 - West
1/8" = 1'-0"

5 Int. Elevation - Level 0.5 - Unit C - Corridor C003 - North
1/8" = 1'-0"

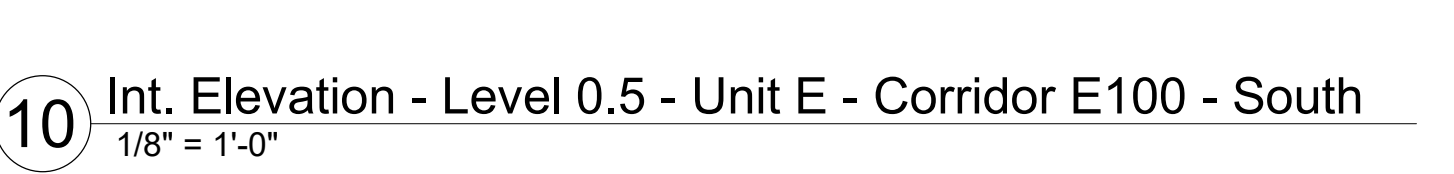
6 Int. Elevation - Level 0.5 - Unit C - Corridor C003 - East
1/8" = 1'-0"



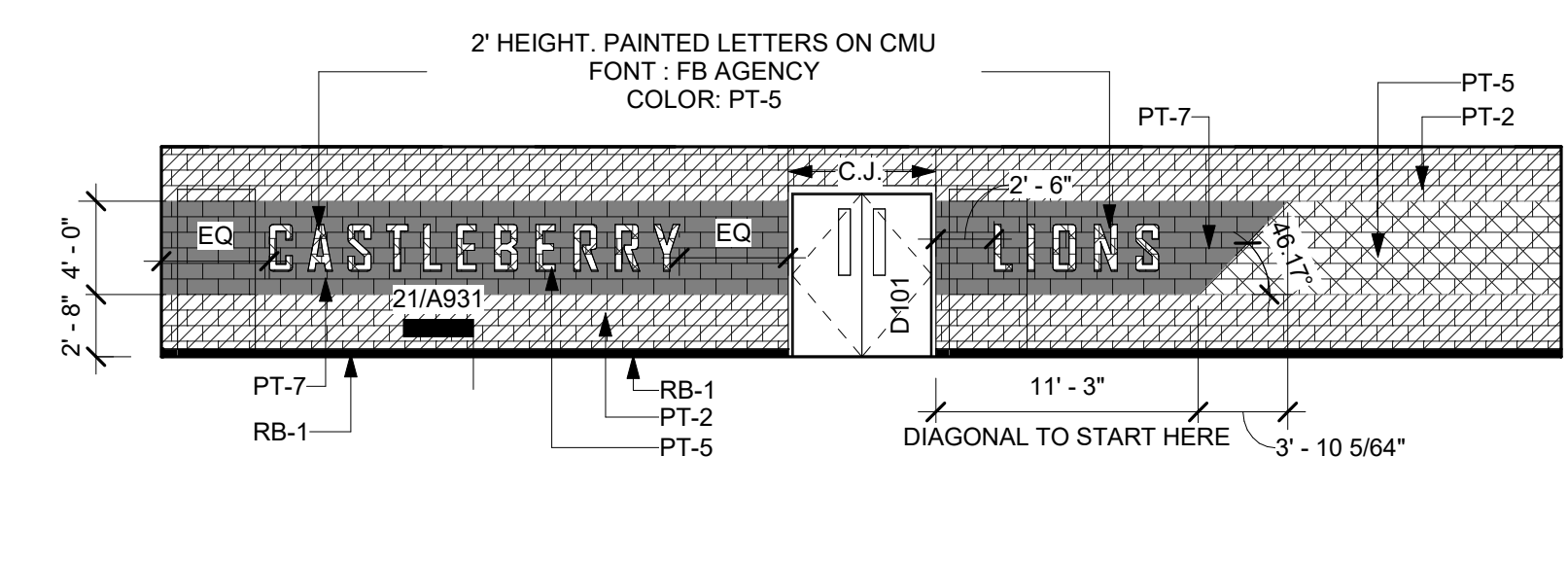
8 Int. Elevation - Level 0.5 - Unit C - Corridor C002 - North
1/8" = 1'-0"



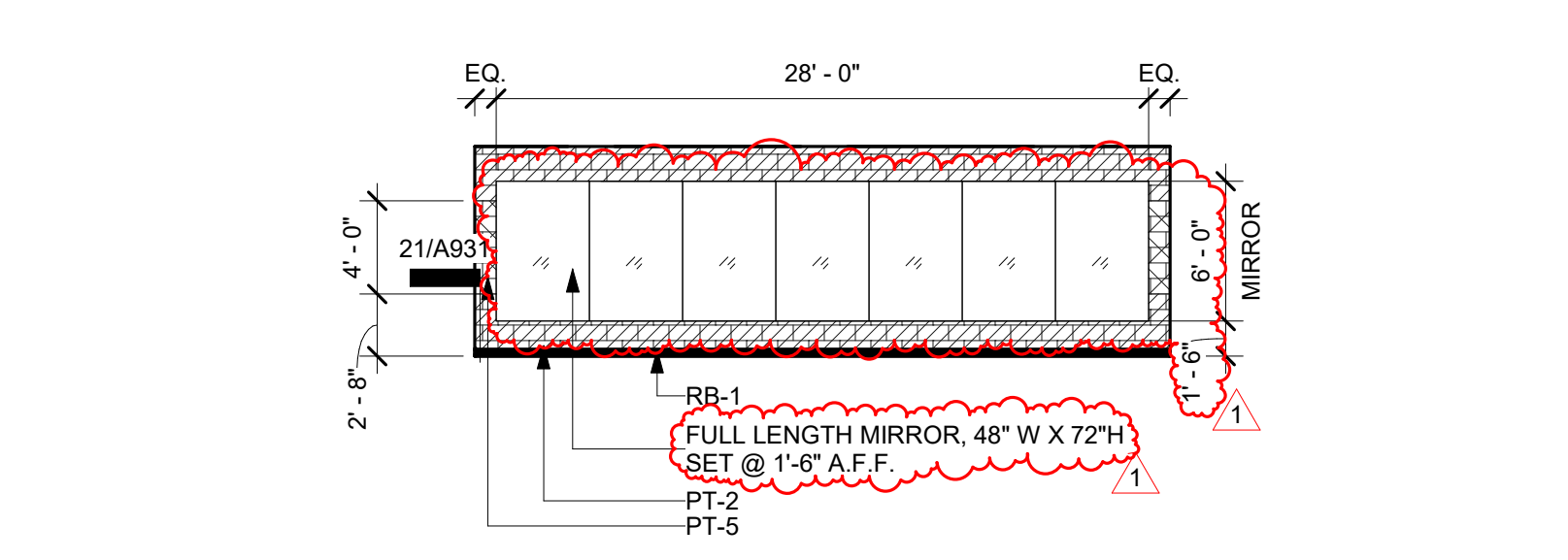
9 Int. Elevation - Level 0 - Unit D - Weight Room D101 - North
1/8" = 1'-0"



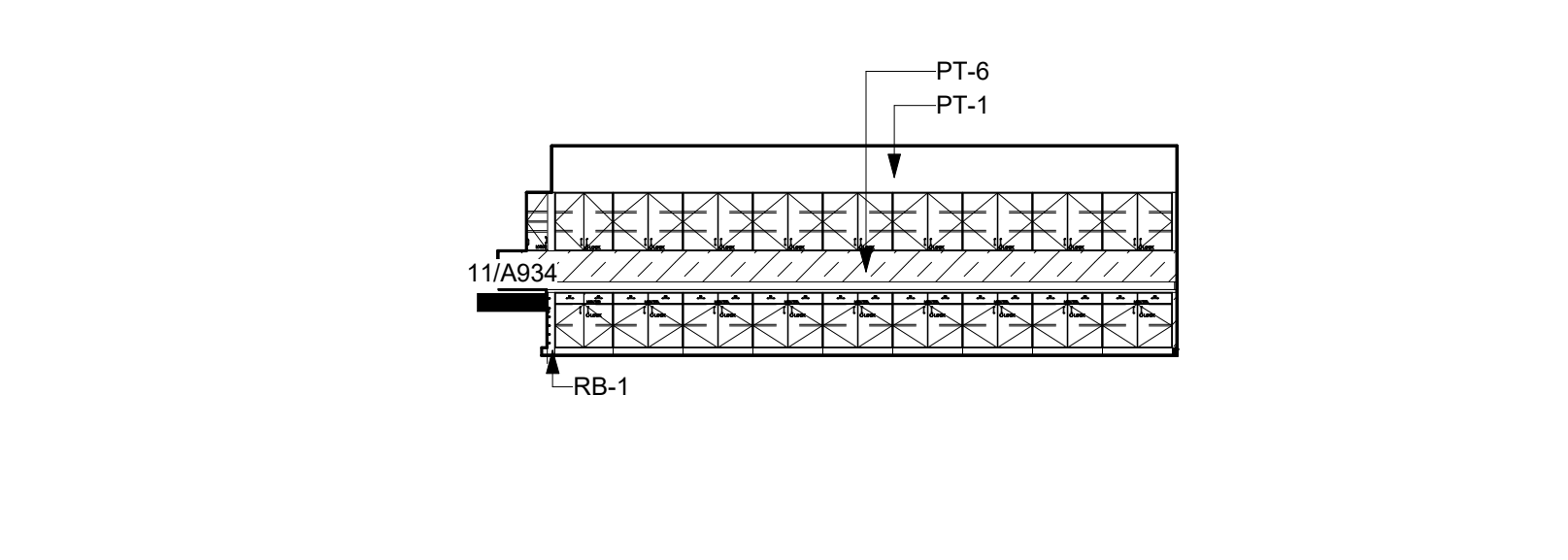
10 Int. Elevation - Level 0.5 - Unit E - Corridor E100 - South
1/8" = 1'-0"



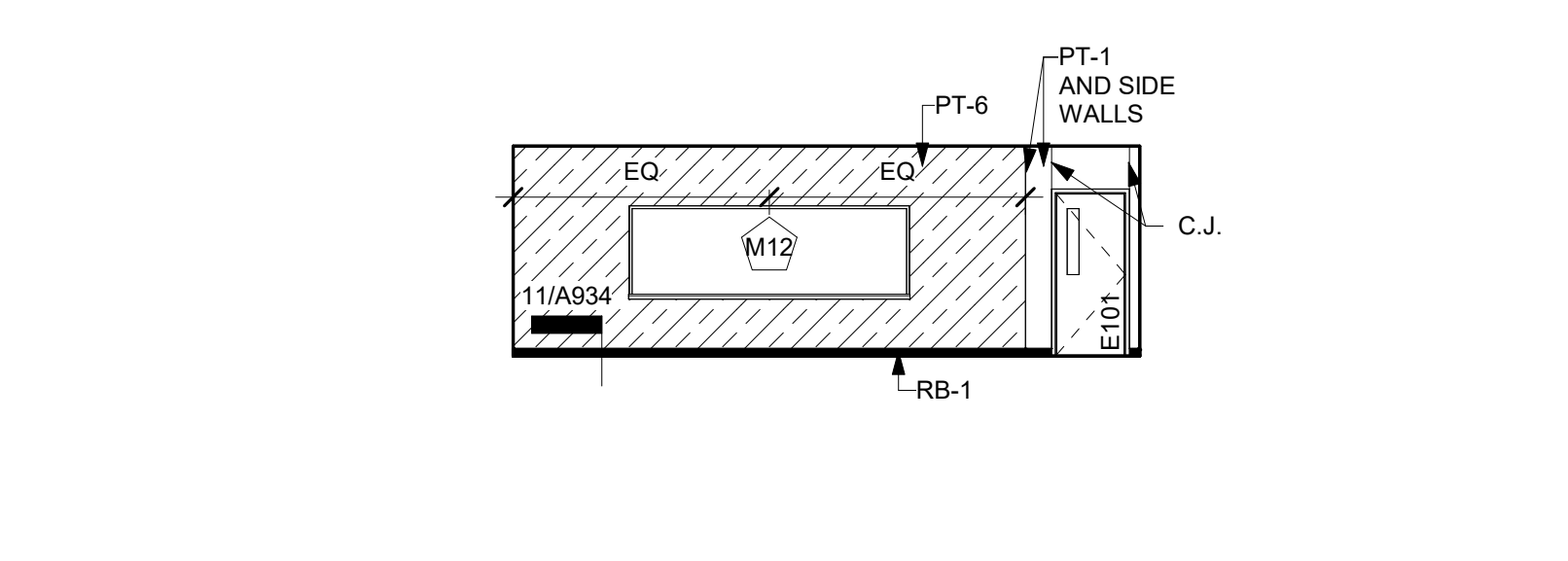
11 Int. Elevation - Level 0 - Unit D - Weight Room D101 - South
1/8" = 1'-0"



12 Int. Elevation - Level 0 - Unit D - Weight Room D101 - West
1/8" = 1'-0"



13 Int. Elevation - Level 0.5 - Unit E - Sped Conf. E101 - North
1/8" = 1'-0"



14 Int. Elevation - Level 0.5 - Unit E - Sped Conf. E101 - South
1/8" = 1'-0"

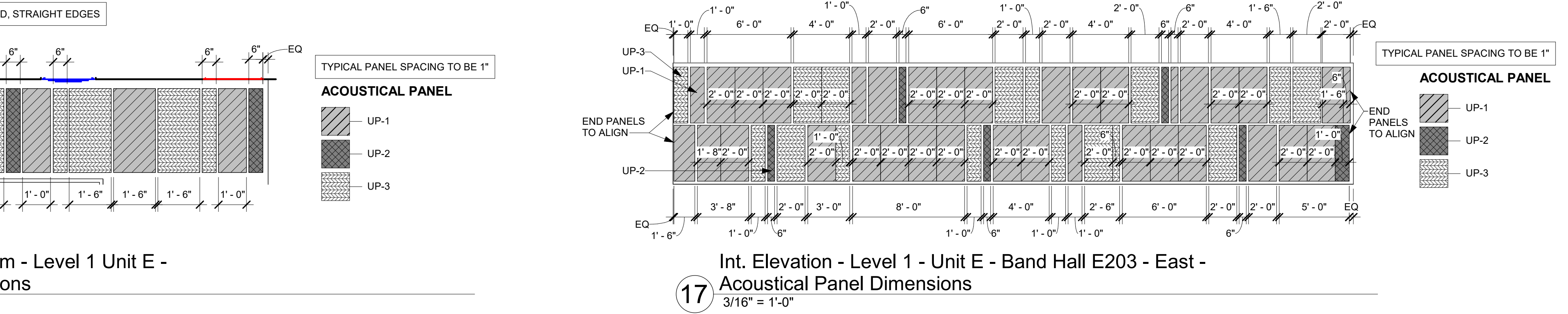
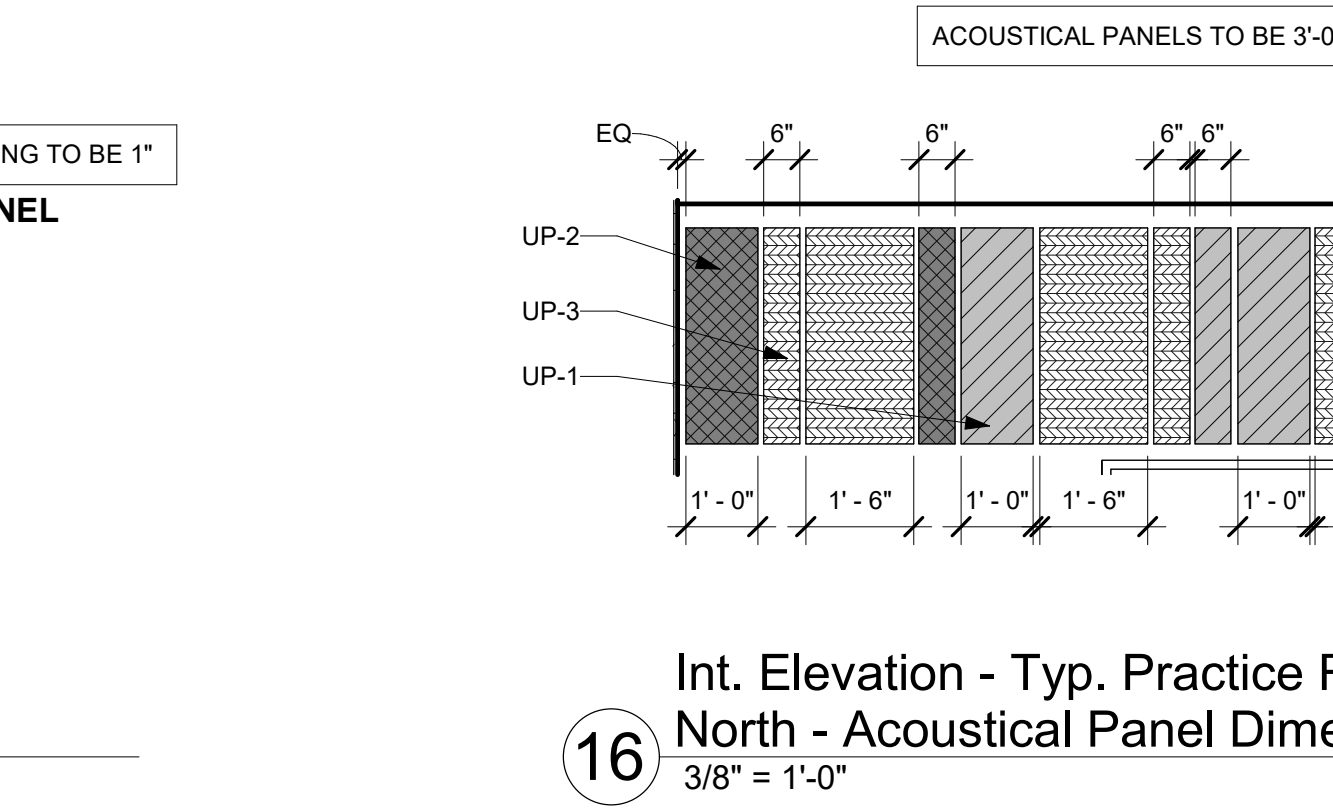
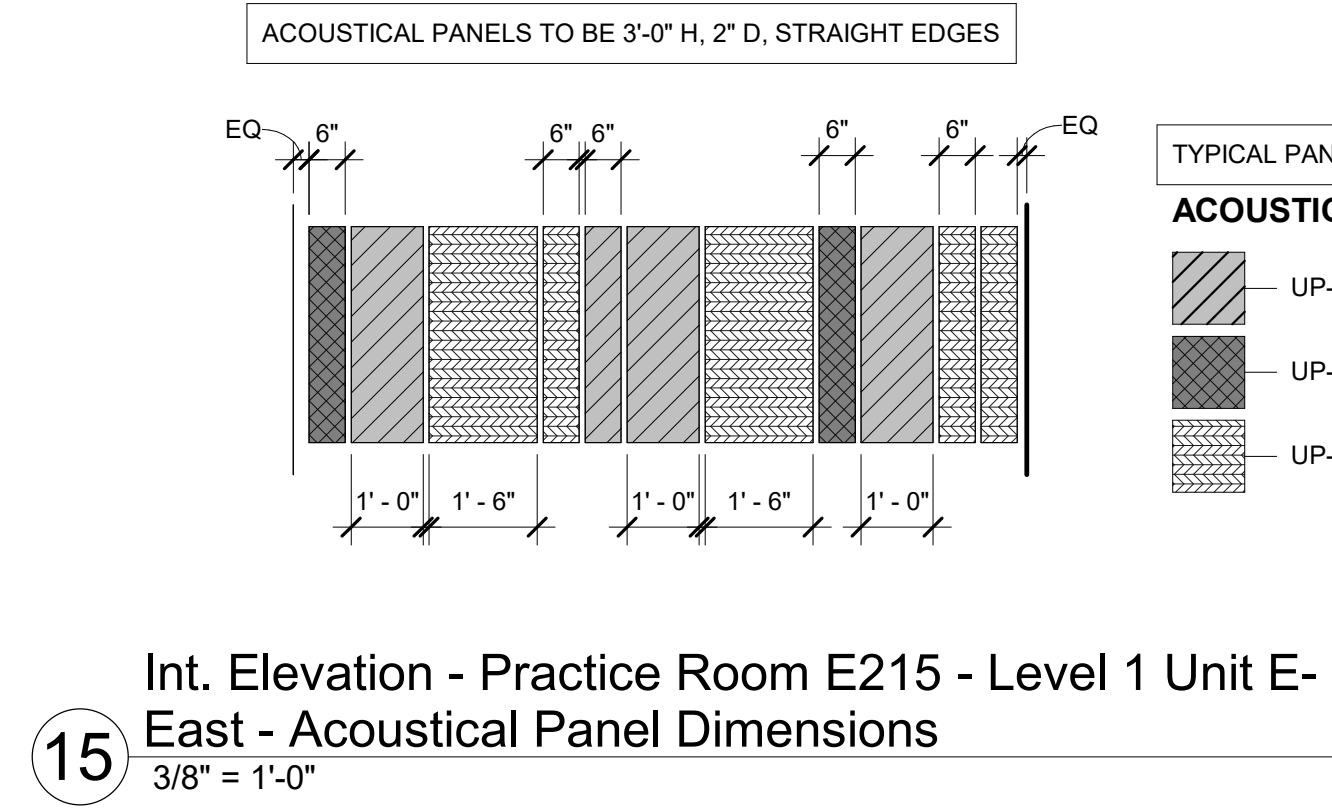
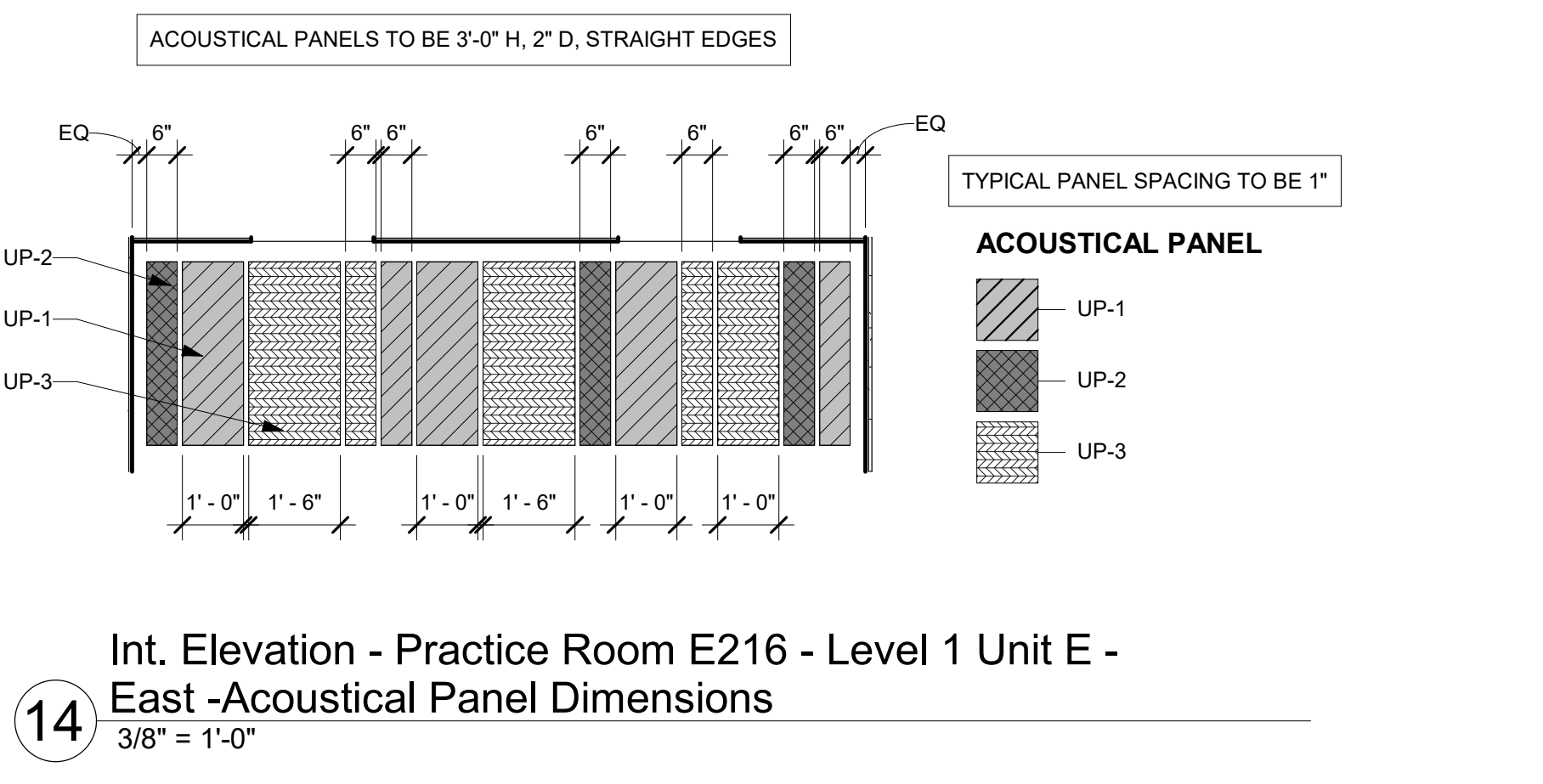
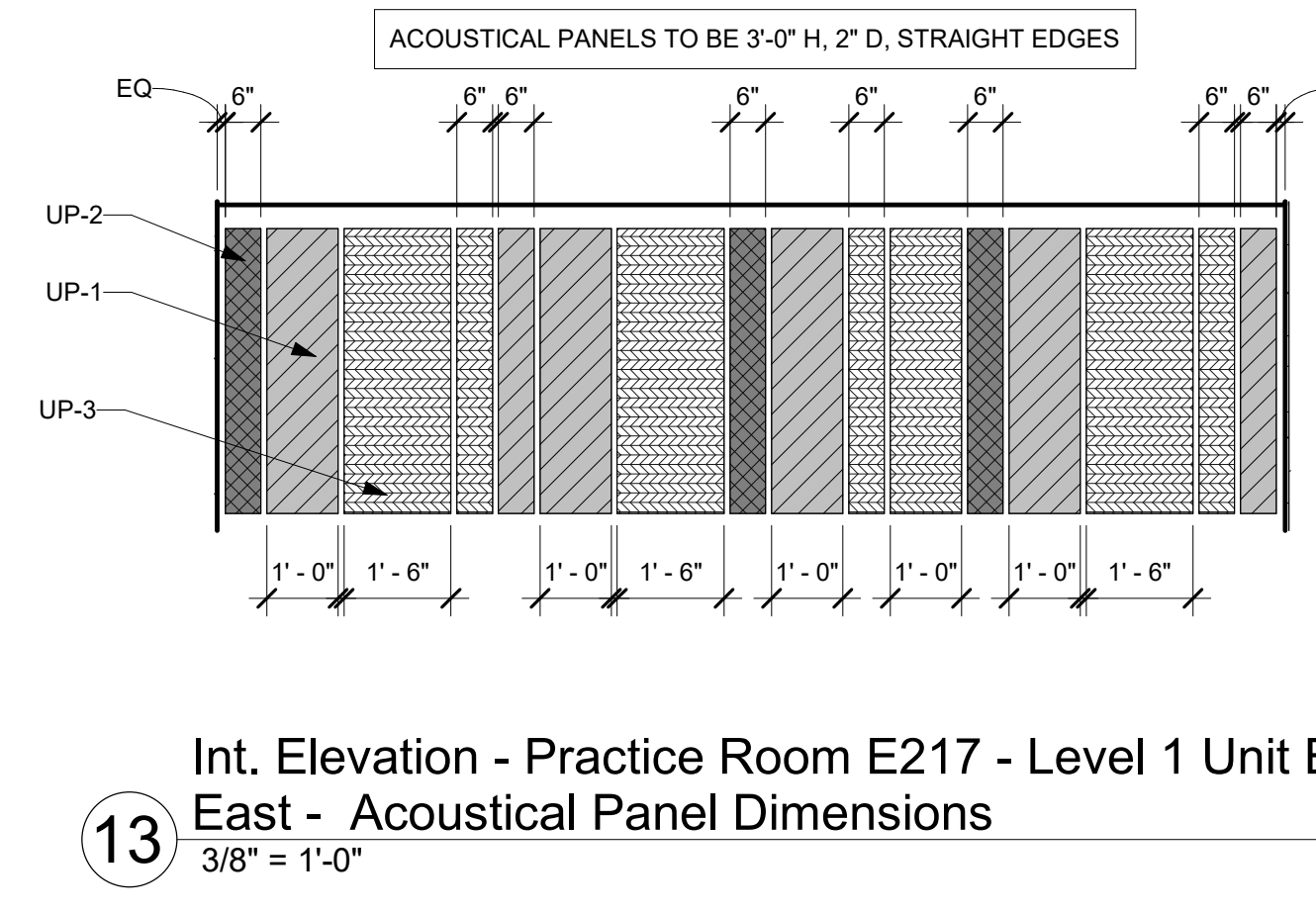
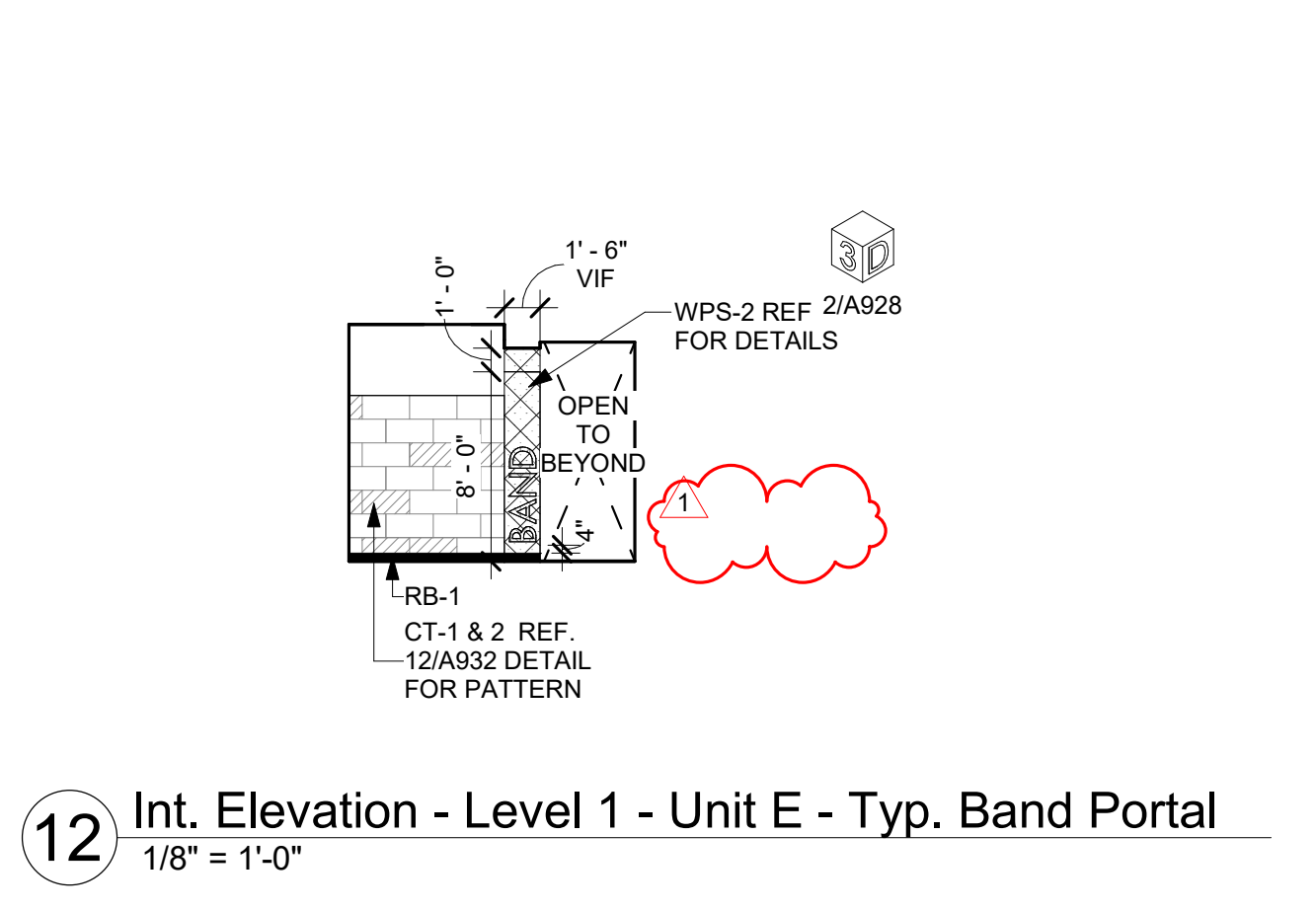
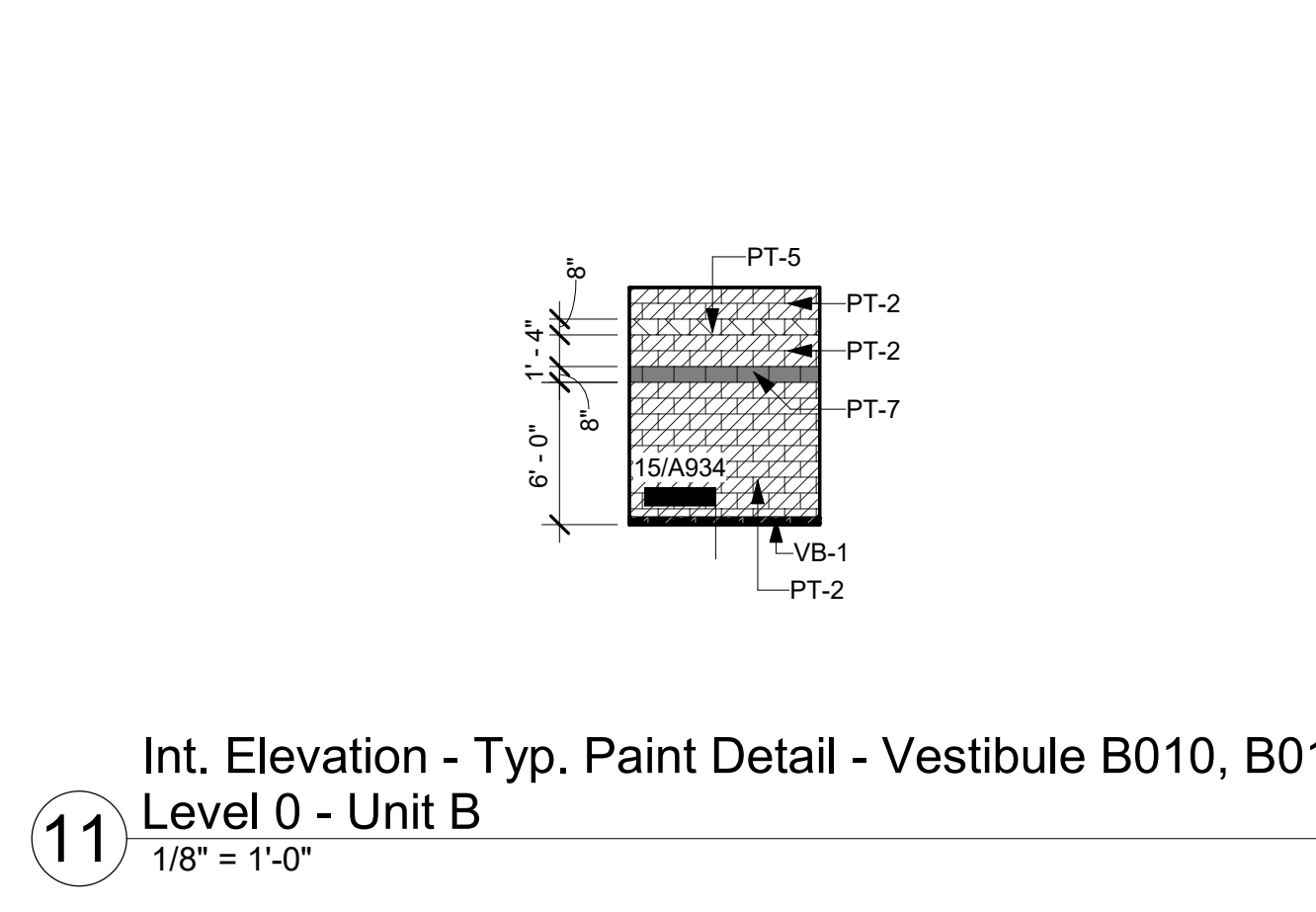
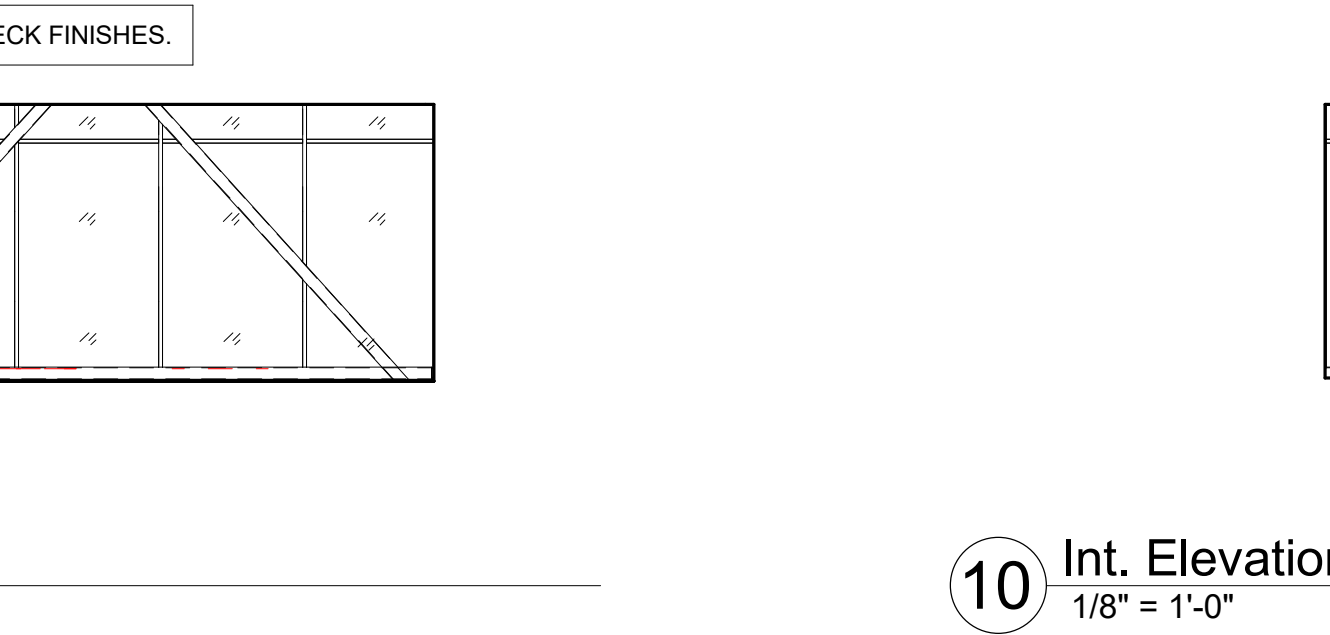
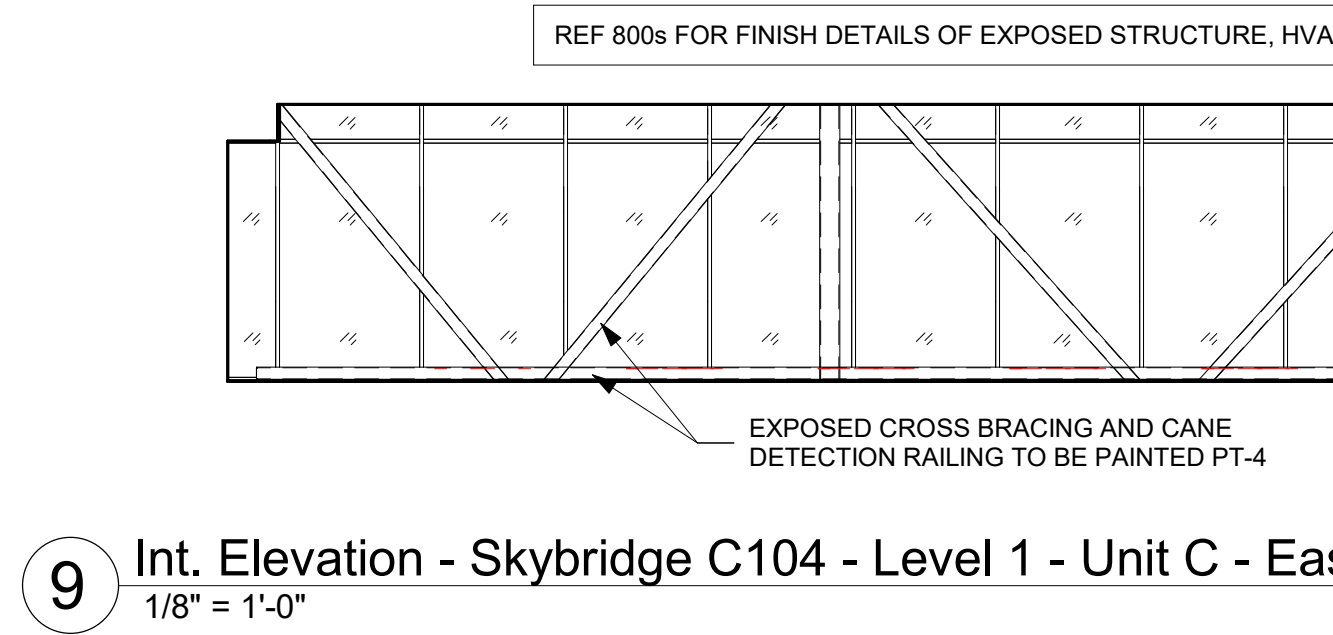
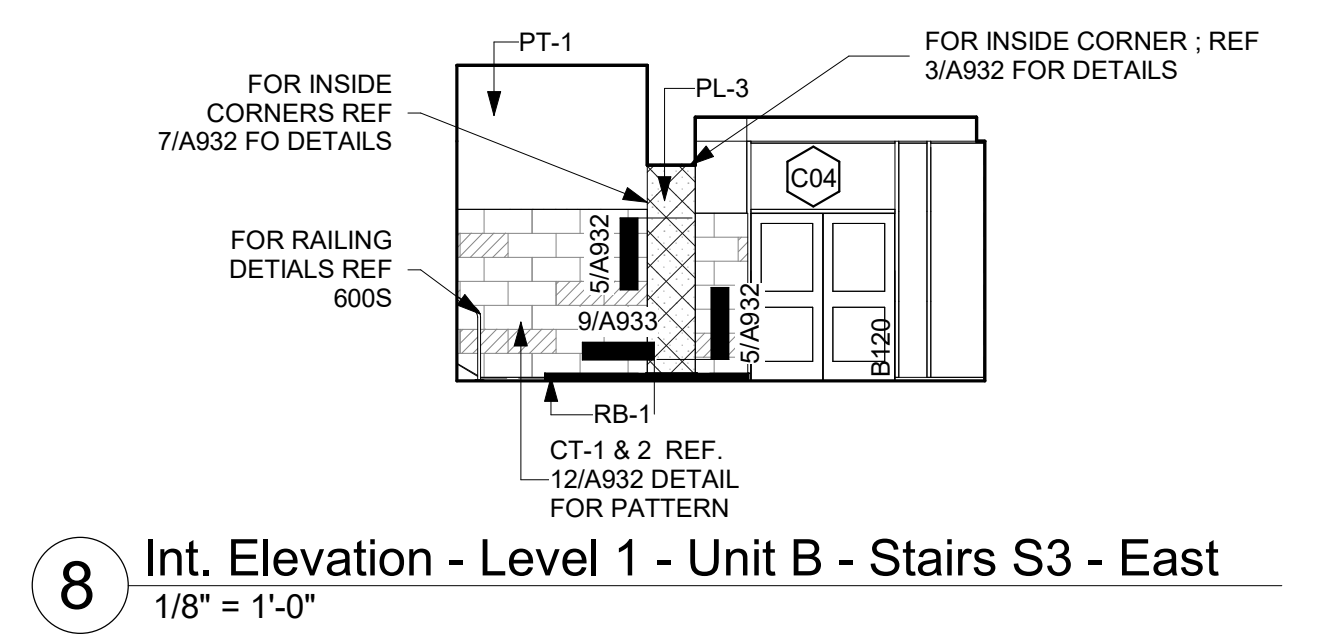
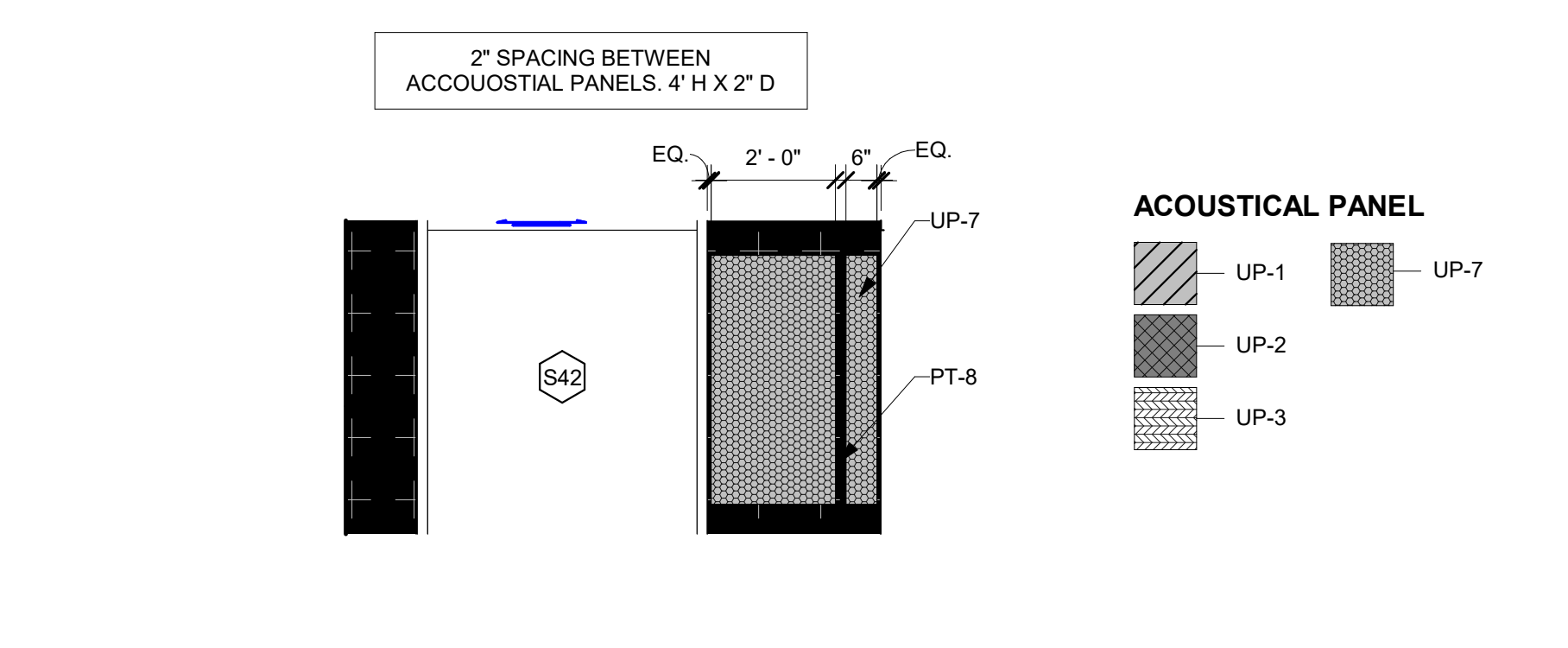
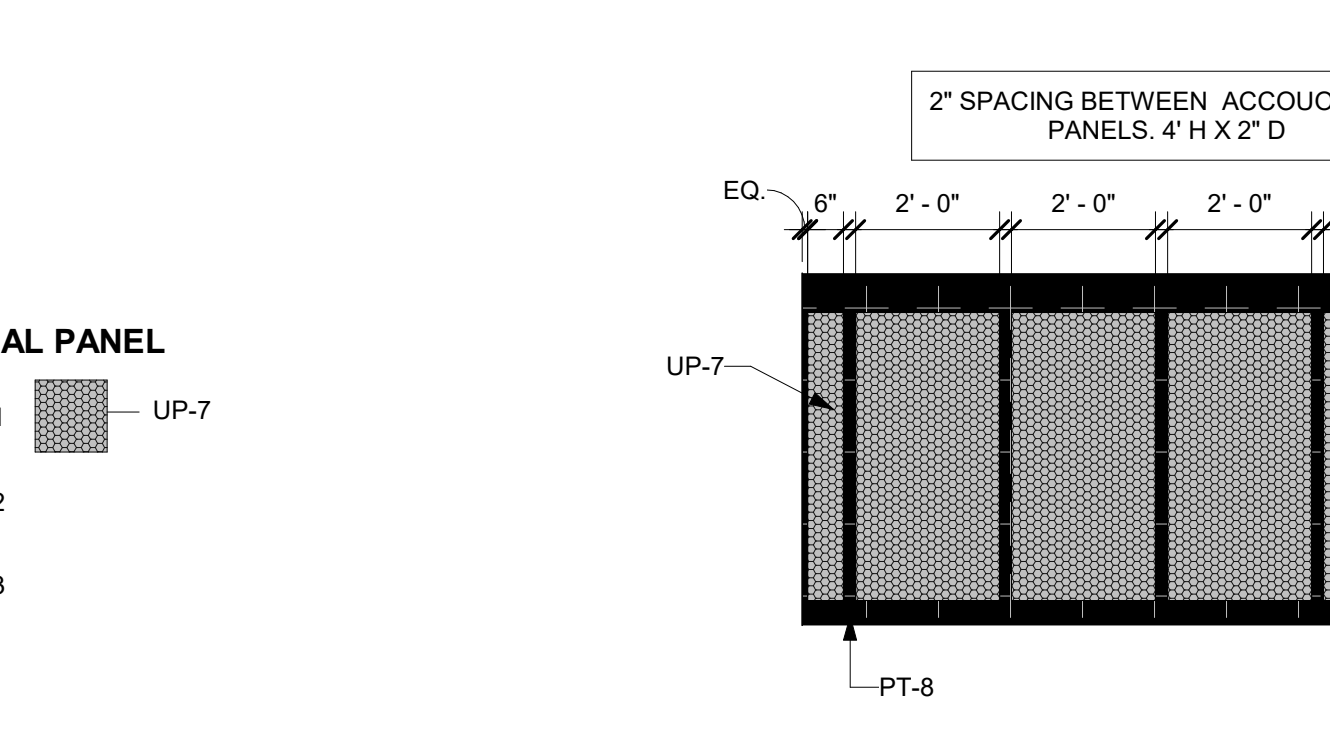
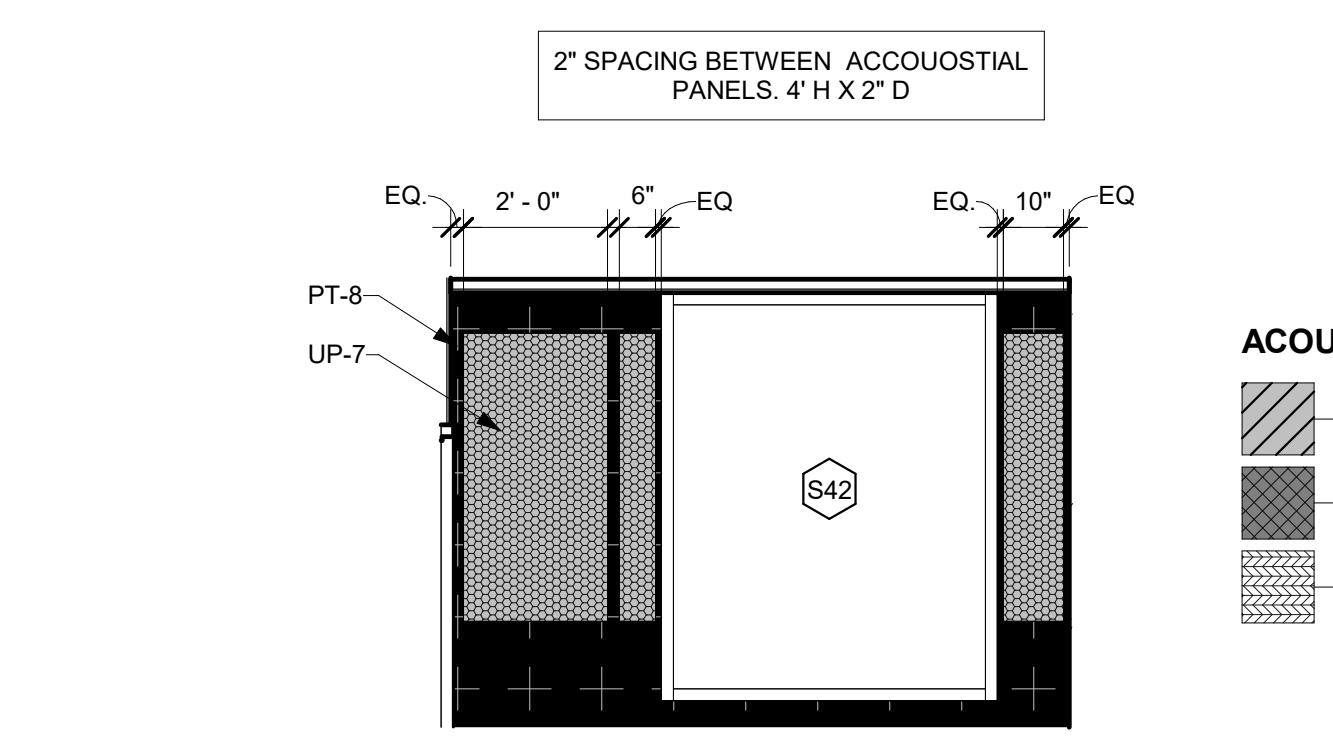
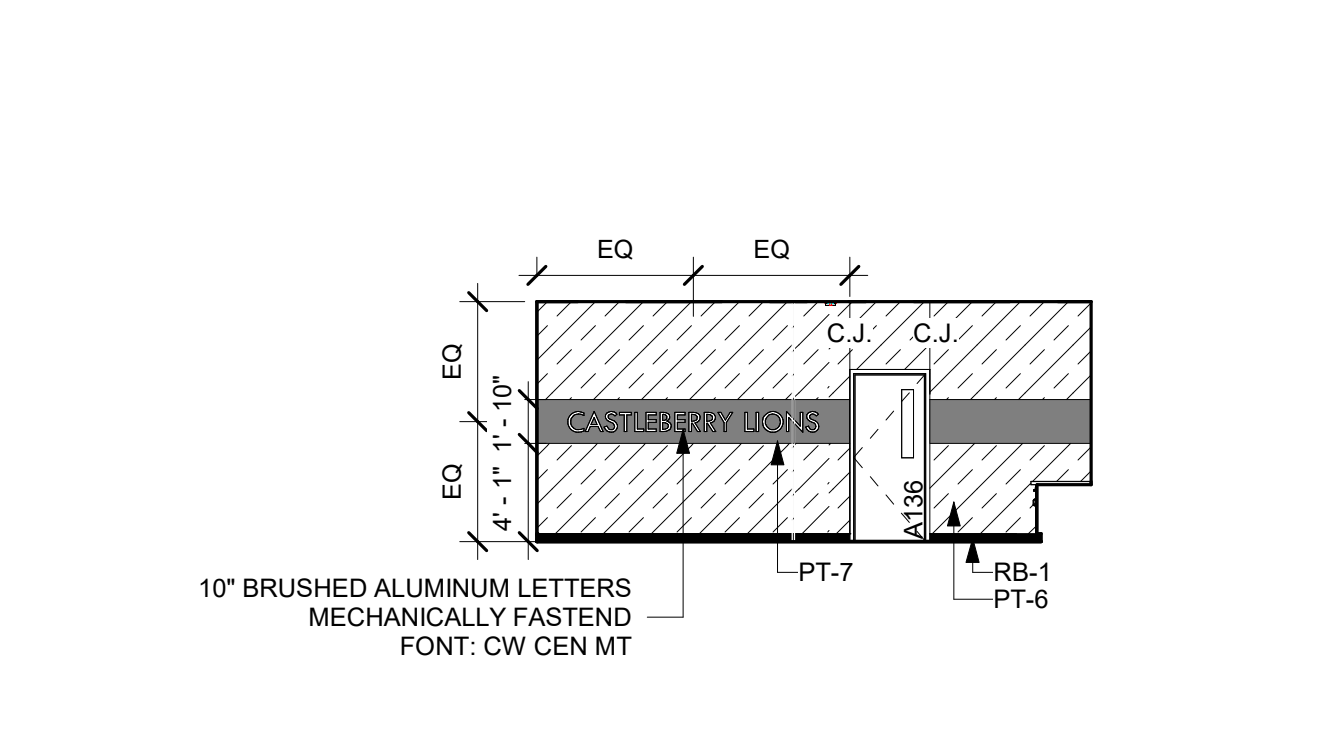
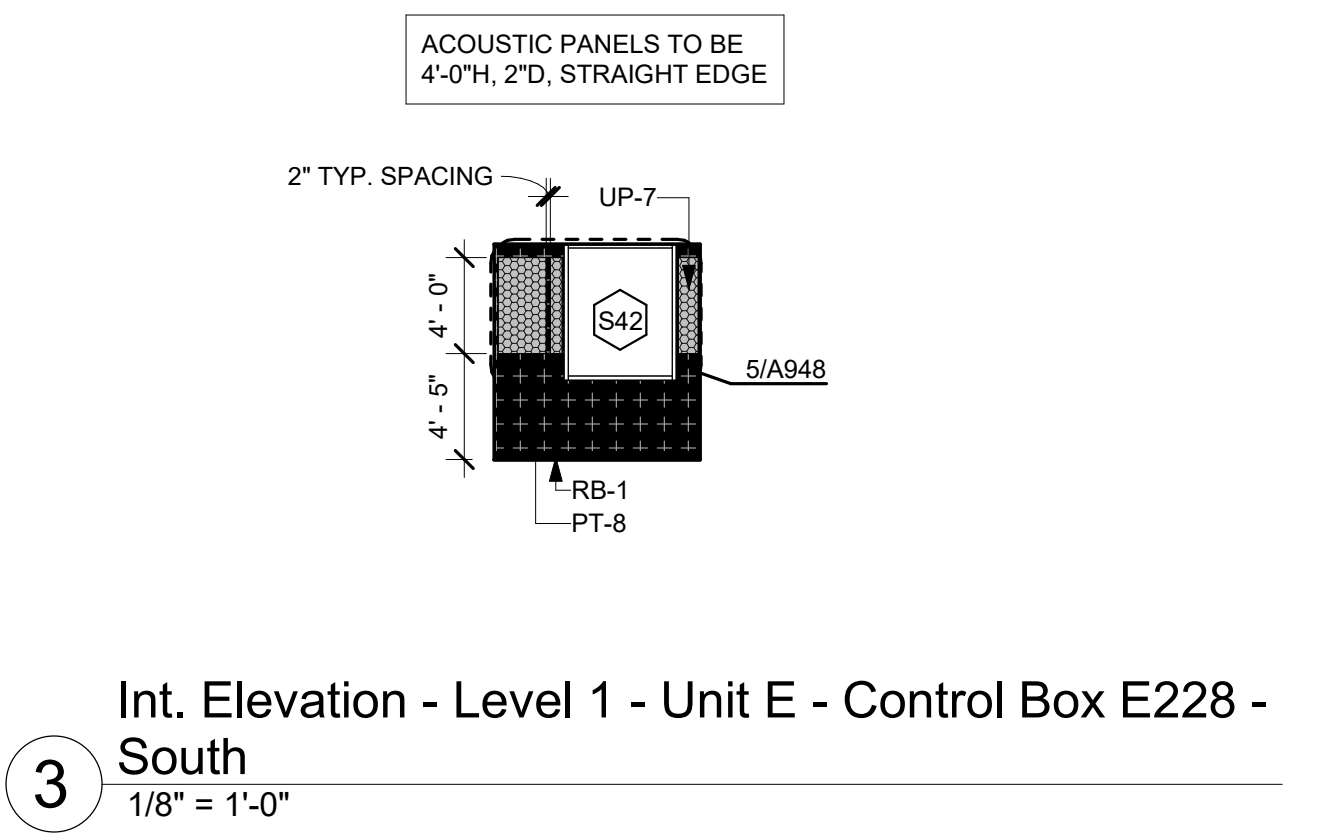
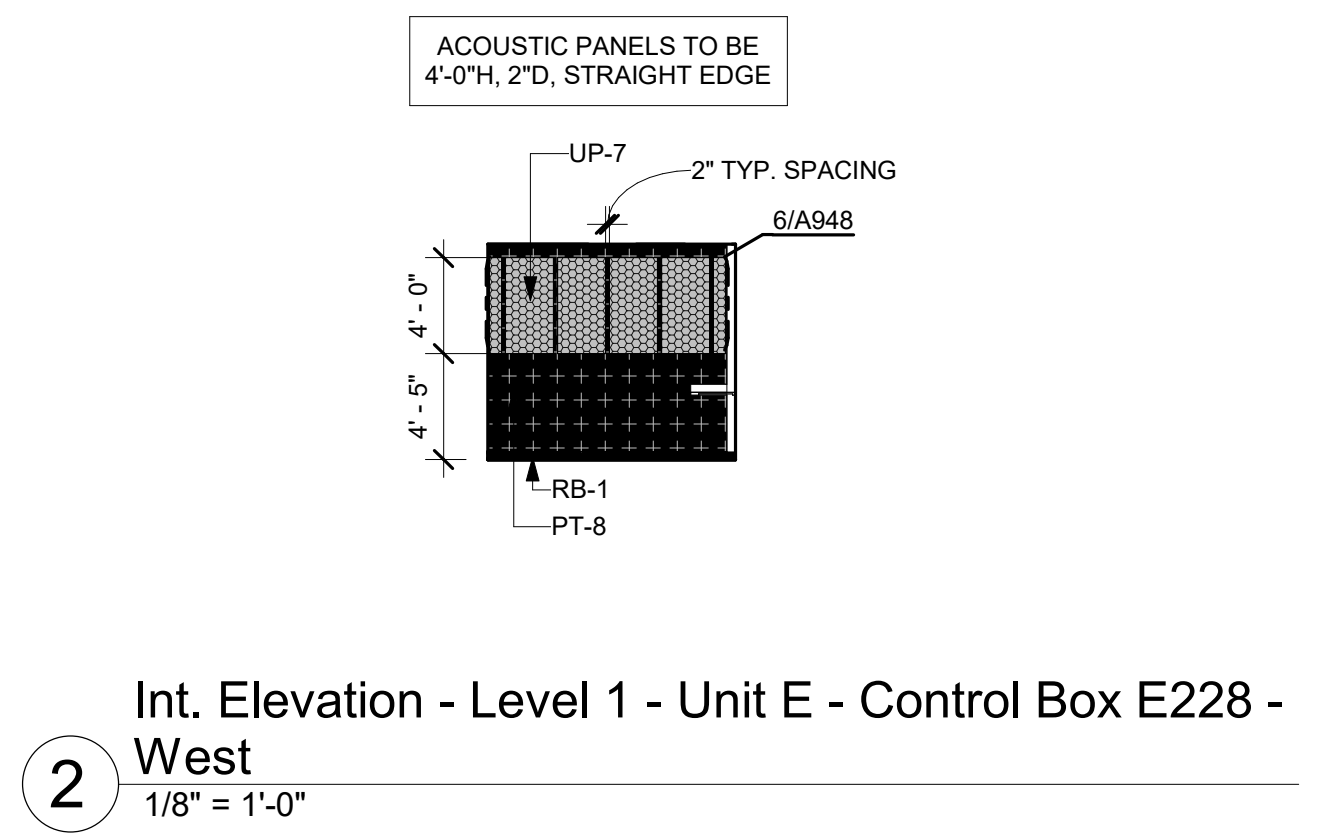
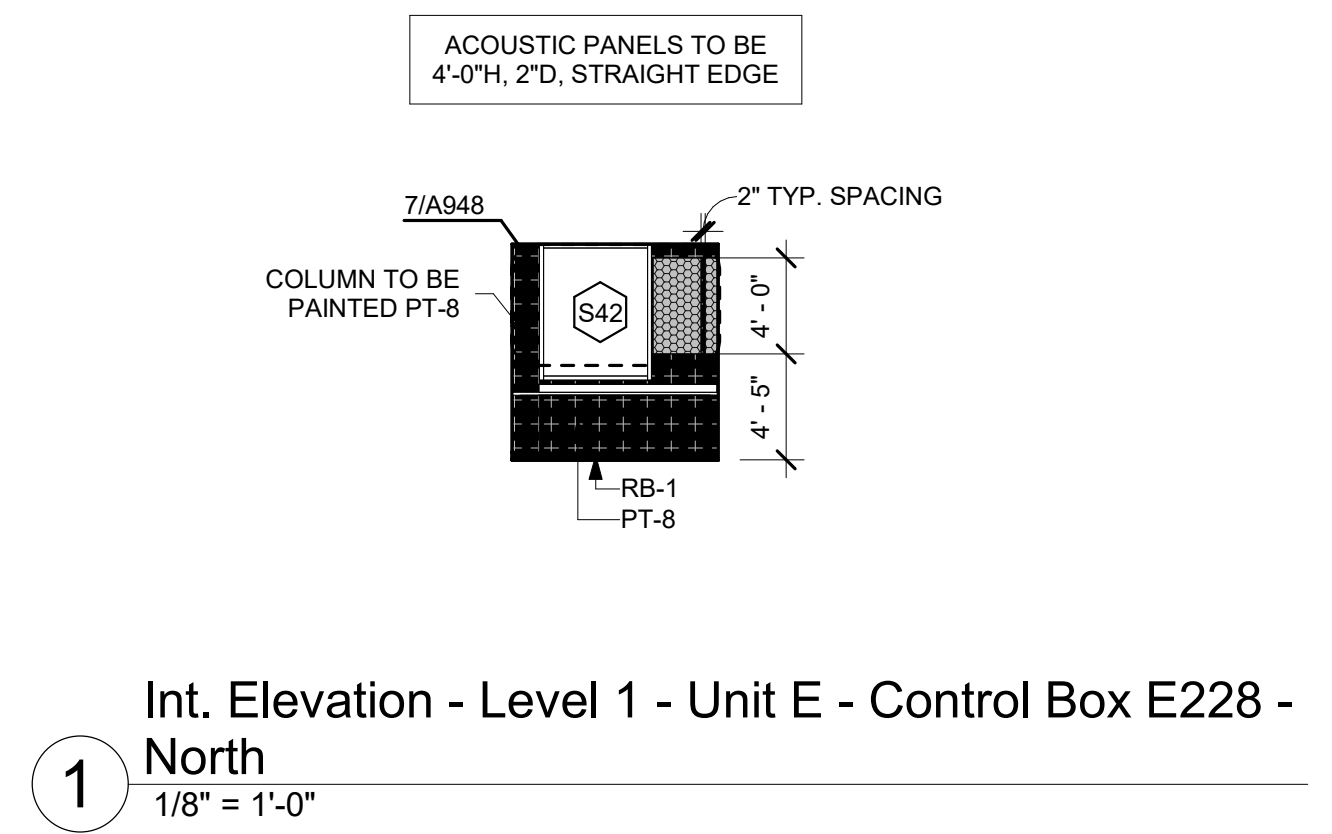
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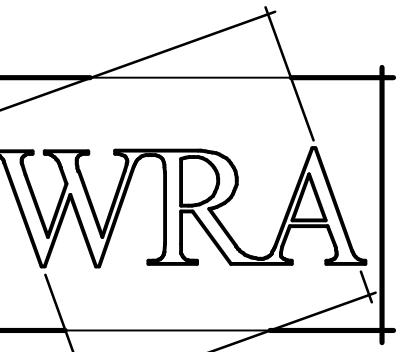
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PT-1	CT-1	UP-1	RB-1
PT-2	CT-2	UP-2	WP-1
PT-3	CT-3	UP-3	CS-1
PT-4	CT-4	UP-4	WD-1
PT-5	CT-5	UP-7	VF-1
PT-6	CT-6		GFRG-1
PT-7	CT-7		
PT-8	CT-8		
PT-10			
PT-11			
PT-12			
PT-14			
PT-15			

PLASTIC LAMINATE	VINYL WALL COVERING
PL-1	VW-1
PL-3	
PL-4	
PL-6	
PL-7	

SOLID SURFACE	MASONRY TYPE	ACOUSTIC WOOD FIBER PANEL
SS-1	CMU TYPE 1	WFP
SS-2		

GENERAL NOTE:
 1. ALL ELECTRICAL OUTLETS FINISH TO MATCH WALL FINISH.
 2. INSTALL OF ALL WALL GRAPHICS TO BE COORDINATED WITH ARCHITECT, REGARDING CONTROL JOINT PATTERN.





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REVISIONS:	No.	Date
△		9/19/2024

JOB NO.	2359
DATE:	09/04/2024

Roof Plan

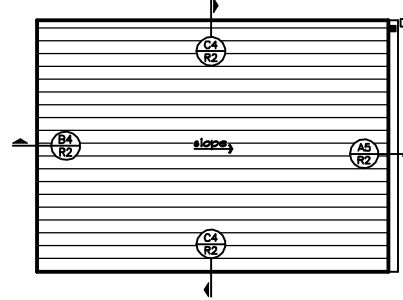
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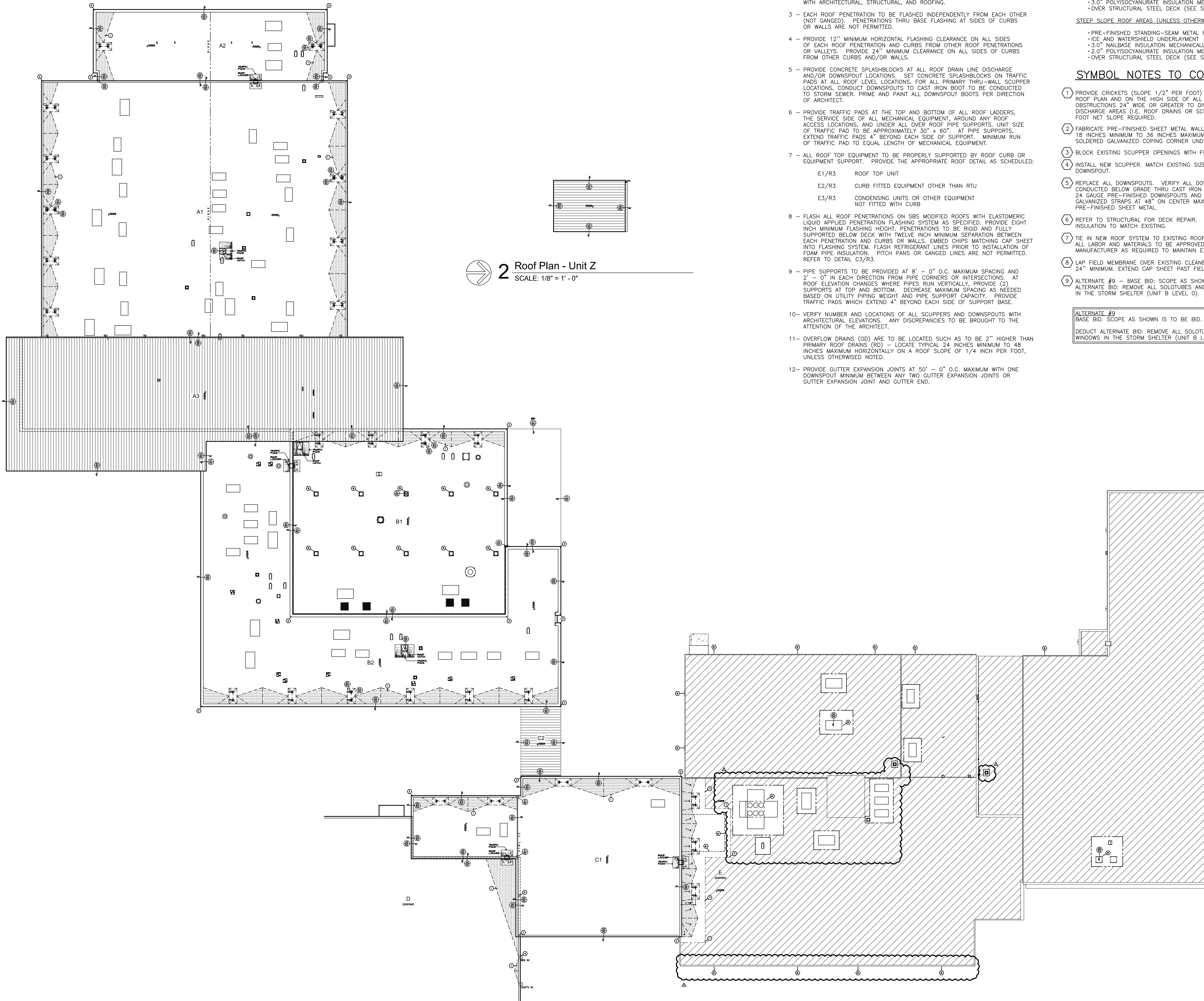
NOTES TO CONTRACTOR

- PROVIDE CRICKETS (SLOPE 1/2" PER FOOT) ON THE HIGH SIDE OF ALL WALLS, CURBS, OR OTHER OBSTRUCTIONS 24" WIDE OR GREATER TO DIVERT STORM WATER DRAINAGE TO DISCHARGE AREAS (I.E. ROOF DRAINS)
- VERIFY NUMBER AND LOCATIONS OF ALL ROOF TOP EQUIPMENT AND PENETRATIONS WITH MPE DRAWINGS. FINAL LOCATIONS TO BE COORDINATED WITH ARCHITECTURAL, STRUCTURAL, AND ROOFING.
- EACH ROOF PENETRATION TO BE FLASHED INDEPENDENTLY FROM EACH OTHER (NOT GANGED). PENETRATIONS THRU BASE FLASHING AT SIDES OF CURBS OR WALLS ARE NOT PERMITTED.
- PROVIDE 12" MINIMUM HORIZONTAL FLASHING CLEARANCE ON ALL SIDES OF EACH ROOF PENETRATION AND CURBS FROM OTHER ROOF PENETRATIONS OR VALLEYS. PROVIDE 24" MINIMUM CLEARANCE ON ALL SIDES OF CURBS FROM OTHER CURBS AND/OR WALLS.
- PROVIDE CONCRETE SPLASHBLOCKS AT ALL ROOF DRAIN LINE DISCHARGE AND/OR DOWNSPOUT LOCATIONS. SET CONCRETE SPLASHBLOCKS ON TRAFFIC PADS AT ALL ROOF LEVEL LOCATIONS. FOR ALL PRIMARY THRU-WALL SCUPPER LOCATIONS, CONDUCT DOWNSPOUTS TO CAST IRON BOOT TO BE CONDUCTED TO STORM SEWER. PRIME AND PAINT ALL DOWNSPOUT BOOTS PER DIRECTION OF ARCHITECT.
- PROVIDE TRAFFIC PADS AT THE TOP AND BOTTOM OF ALL ROOF LADDERS, THE SERVICE SIDE OF ALL MECHANICAL EQUIPMENT, AROUND ANY ROOF ACCESS LOCATIONS, AND UNDER ALL OVER ROOF PIPE SUPPORTS. UNIT SIZE OF TRAFFIC PAD TO BE APPROXIMATELY 30" x 60". AT PIPE SUPPORTS, EXTEND TRAFFIC PADS 4" BEYOND EACH SIDE OF SUPPORT. MINIMUM RUN OF TRAFFIC PAD TO EQUAL LENGTH OF MECHANICAL EQUIPMENT.
- ALL ROOF TOP EQUIPMENT TO BE PROPERLY SUPPORTED BY ROOF CURB OR EQUIPMENT SUPPORT. PROVIDE THE APPROPRIATE ROOF DETAIL AS SCHEDULED:

E1/R3	ROOF TOP UNIT
E2/R3	CURB FITTED EQUIPMENT OTHER THAN RTU
E3/R3	CONDENSING UNITS OR OTHER EQUIPMENT NOT FITTED WITH CURB
- FLASH ALL ROOF PENETRATIONS ON SBS MODIFIED ROOFS WITH ELASTOMERIC LIQUID APPLIED PENETRATION FLASHING SYSTEM AS SPECIFIED. PROVIDE EIGHT INCH MINIMUM FLASHING HEIGHT, PENETRATIONS TO BE RIGID AND FULLY SUPPORTED BELOW DECK WITH TWELVE INCH MINIMUM SEPARATION BETWEEN EACH PENETRATION AND CURBS OR WALLS. EMBED CHIPS MATCHING CAP SHEET INTO FLASHING SYSTEM. FLASH REFRIGERANT LINES PRIOR TO INSTALLATION OF FOAM PIPE INSULATION. PITCH PANS OR GANGED LINES ARE NOT PERMITTED. REFER TO DETAIL C3/R3.
- PIPE SUPPORTS TO BE PROVIDED AT 8' - 0" O.C. MAXIMUM SPACING AND 2' - 0" IN EACH DIRECTION FROM PIPE CORNERS OR INTERSECTIONS. AT ROOF ELEVATION CHANGES WHERE PIPES RUN VERTICALLY, PROVIDE (2) SUPPORTS AT TOP AND BOTTOM. DECREASE MAXIMUM SPACING AS NEEDED BASED ON UTILITY PIPING WEIGHT AND PIPE SUPPORT CAPACITY. PROVIDE TRAFFIC PADS WHICH EXTEND 4" BEYOND EACH SIDE OF SUPPORT BASE.
- VERIFY NUMBER AND LOCATIONS OF ALL SCUPPERS AND DOWNSPOUTS WITH ARCHITECTURAL ELEVATIONS. ANY DISCREPANCIES TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- OVERFLOW DRAINS (OD) ARE TO BE LOCATED SUCH AS TO BE 2" HIGHER THAN PRIMARY ROOF DRAINS (RD) - LOCATE TYPICAL 24 INCHES MINIMUM TO 48 INCHES MAXIMUM HORIZONTALLY ON A ROOF SLOPE OF 1/4 INCH PER FOOT, UNLESS OTHERWISE NOTED.
- PROVIDE GUTTER EXPANSION JOINTS AT 50' - 0" O.C. MAXIMUM WITH ONE DOWNSPOUT MINIMUM BETWEEN ANY TWO GUTTER EXPANSION JOINTS OR GUTTER EXPANSION JOINT AND GUTTER END.



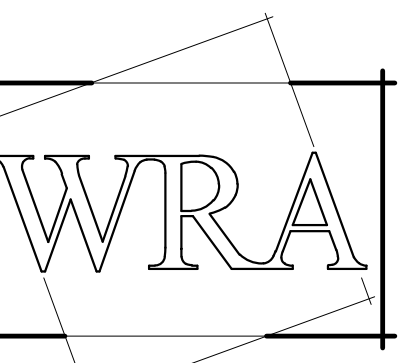
2 Roof Plan - Unit Z
SCALE: 1/8" = 1' - 0"



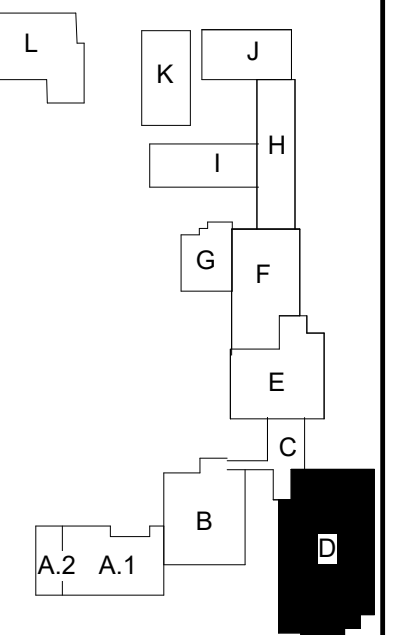
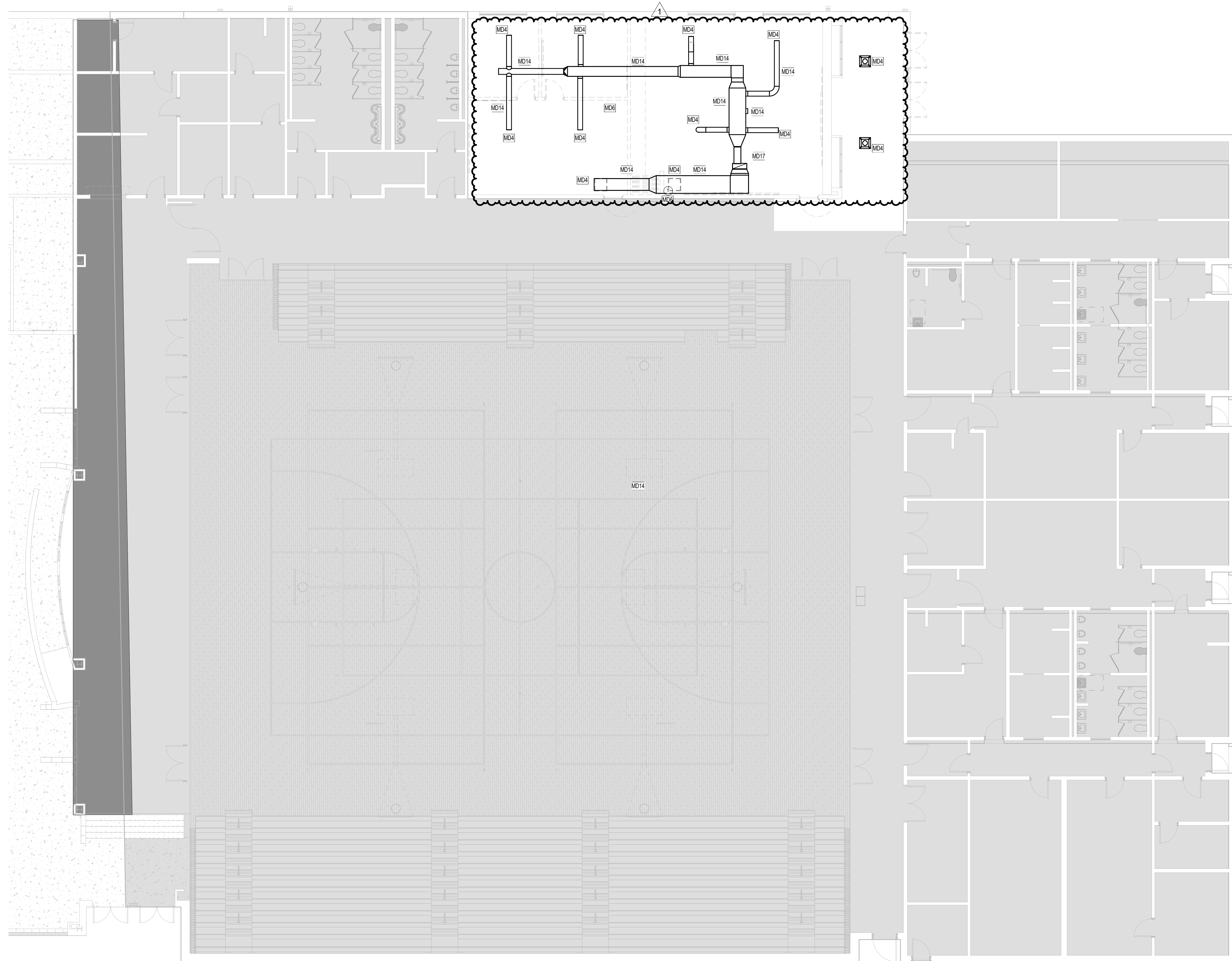
1 Roof Plan
SCALE: 1/16" = 1' - 0"

MECHANICAL DEMOLITION PLAN NOTES

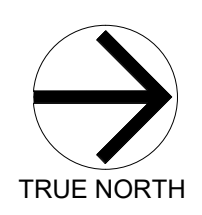
- MD4 REMOVE AND DISCARD EXISTING GRILLE.
- MD6 EXISTING SENSOR(S) TO REMAIN IN PLACE AND OPERATIONAL.
- MD14 EXISTING DUCTWORK TO REMAIN.
- MD17 EXISTING UNIT TO REMAIN.



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1 MECHANICAL DEMOLITION FLOOR PLAN - Level 0 - UNIT D
1/8" = 1'-0"

No.	Date
1	9/19/2024

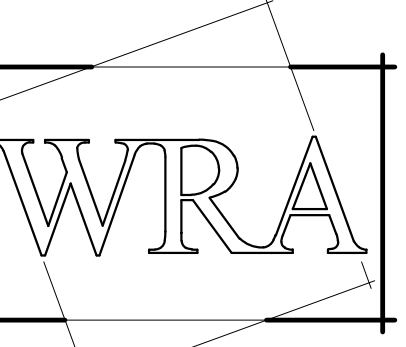
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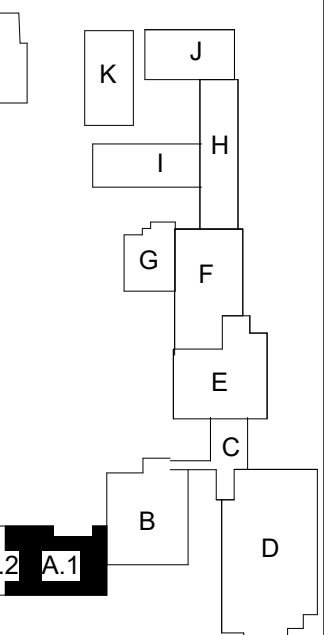
DESIGN SOLVE ENHANCE
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1 065 0350 008

MECHANICAL DEMOLITION FLOOR PLAN LEVEL 0 UNIT D
MD201

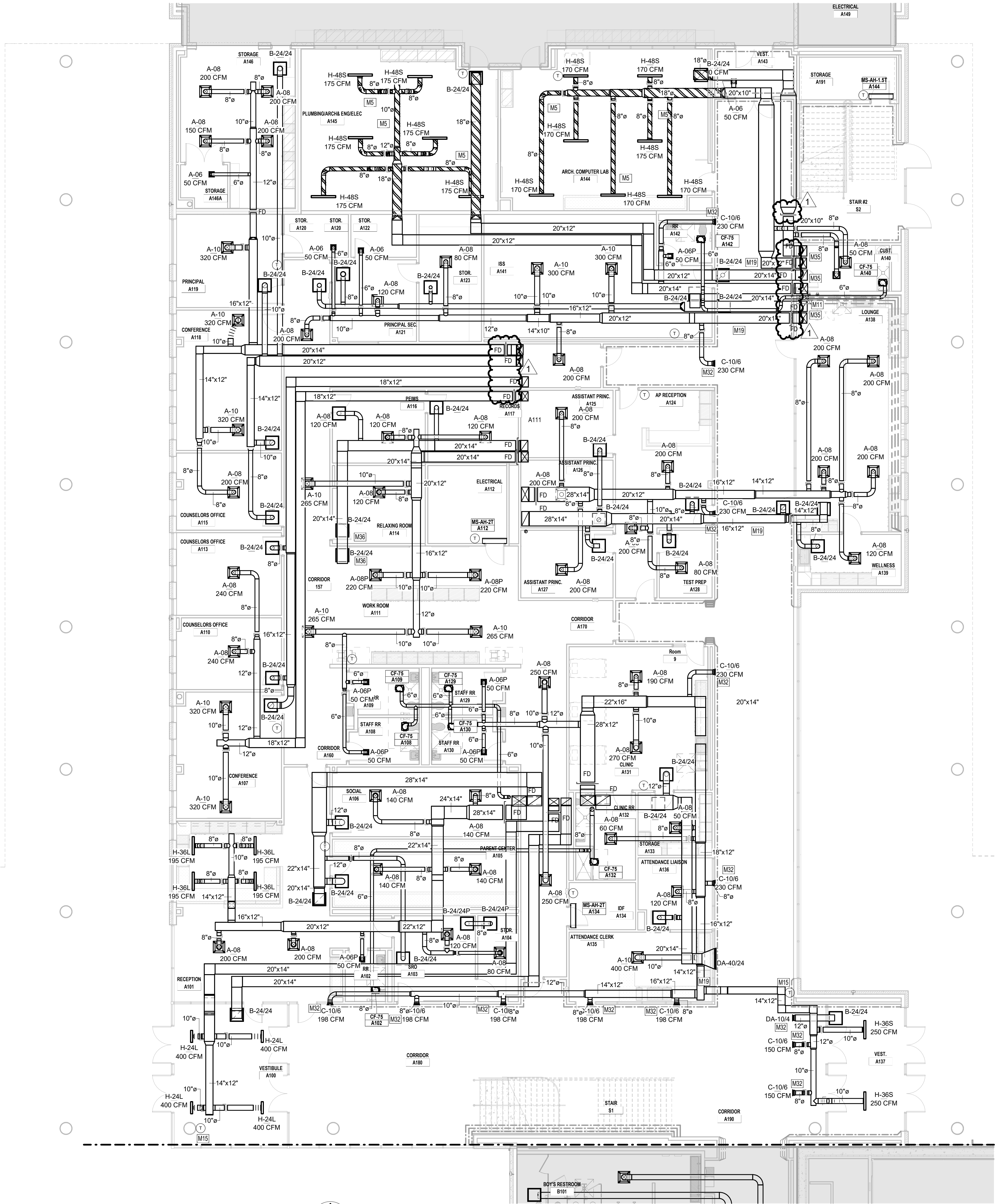


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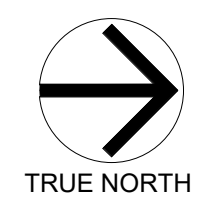


MECHANICAL GENERAL NOTES
SEE SHEET MH7.1 FOR ALL GENERAL NOTES APPLICABLE TO ENTIRE DRAWING SET

- MECHANICAL PLAN NOTES**
- M5 DOUBLE WALL PAINT-GRIP SPIRAL DUCT. COORDINATE COLOR WITH ARCHITECT.
 - M11 8"Ø UP TO EXHAUST RELIEF ON ROOF..
 - M15 PROVIDE A PROTECTIVE COVER GUARD, VANDAL RESISTANT (CORRIDORS, CAFETERIA, HALLS AND COMMONS AREA).
 - M19 ALL DUCT IN THIS AREA. PROVIDE DUCTWORK INTERNALLY LINED WITH 1" ACOUSTICAL INSULATION. ROUTE DUCT AS HIGH AND TIGHT TO BOTTOM OF ROOF STRUCTURE AS POSSIBLE. PAINT DUCTWORK COORDINATE WITH ARCHITECT FOR COLOR.
 - M32 REFER TO ARCHITECTURAL PLANS FOR HEIGHT OF DIFFUSER
 - M35 SUPPLY AND RETURN DUCT ROUTED UP IN CHASE.
 - M36 CONNECT DUCTWORK TO GRILLE(S).



1 MECHANICAL FLOOR PLAN - Level 1 - UNIT A.1
1/8" = 1'-0"



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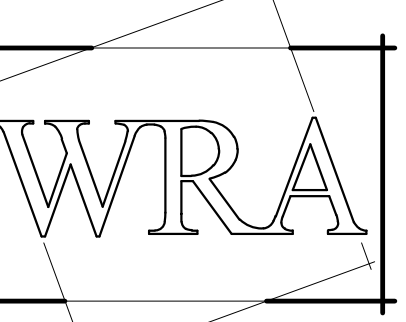
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DATE:	09/19/2024

MECHANICAL FLOOR PLAN LEVEL 1 UNIT A.1
MH201.1

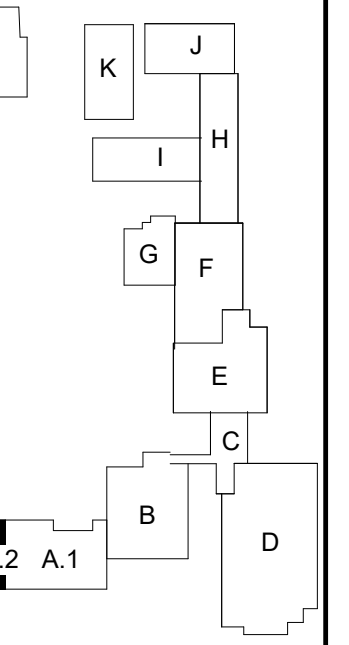
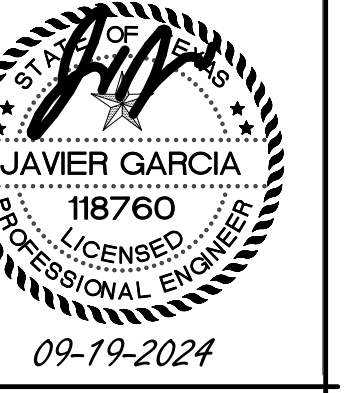
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1 065 0350 008

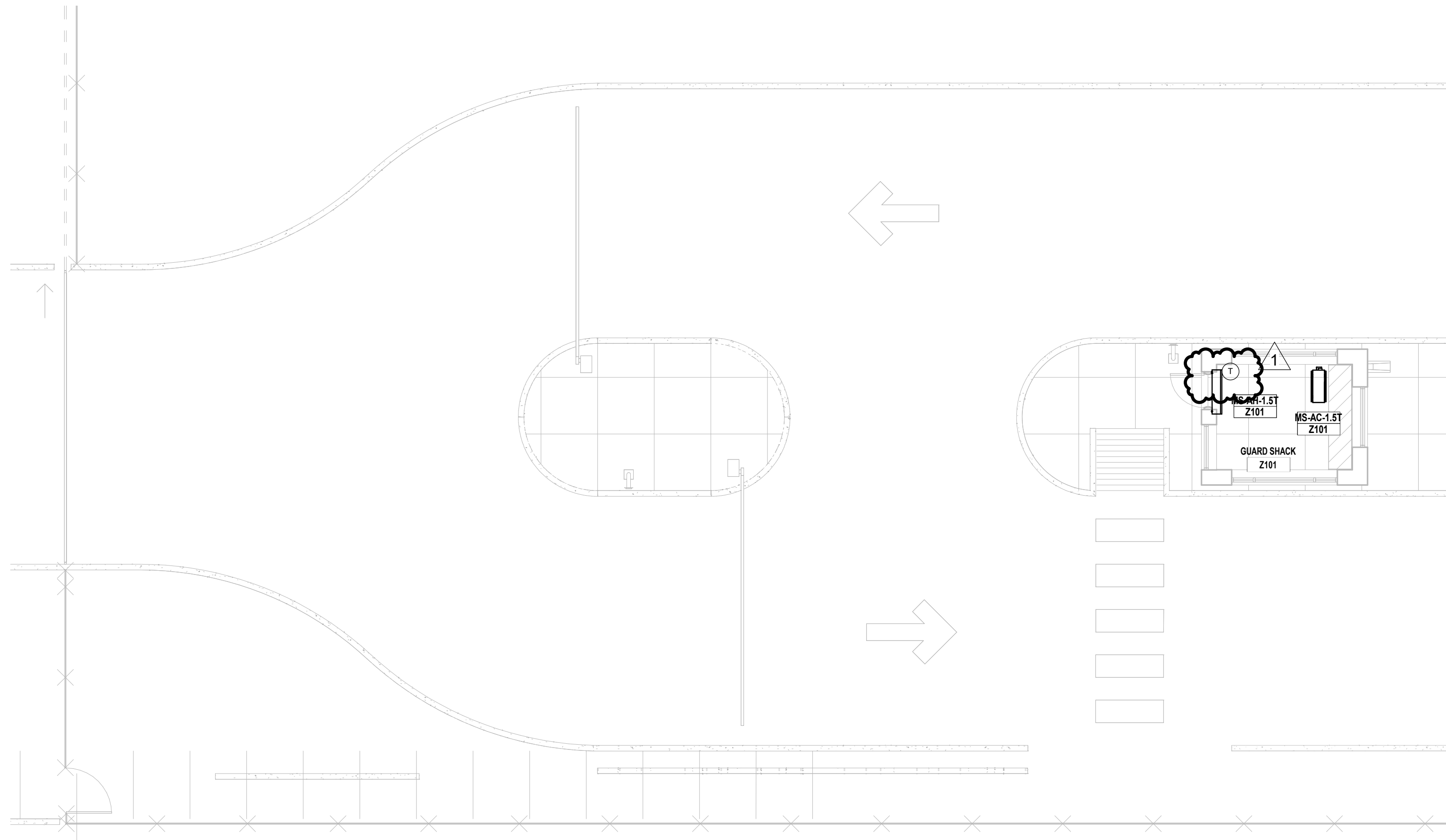


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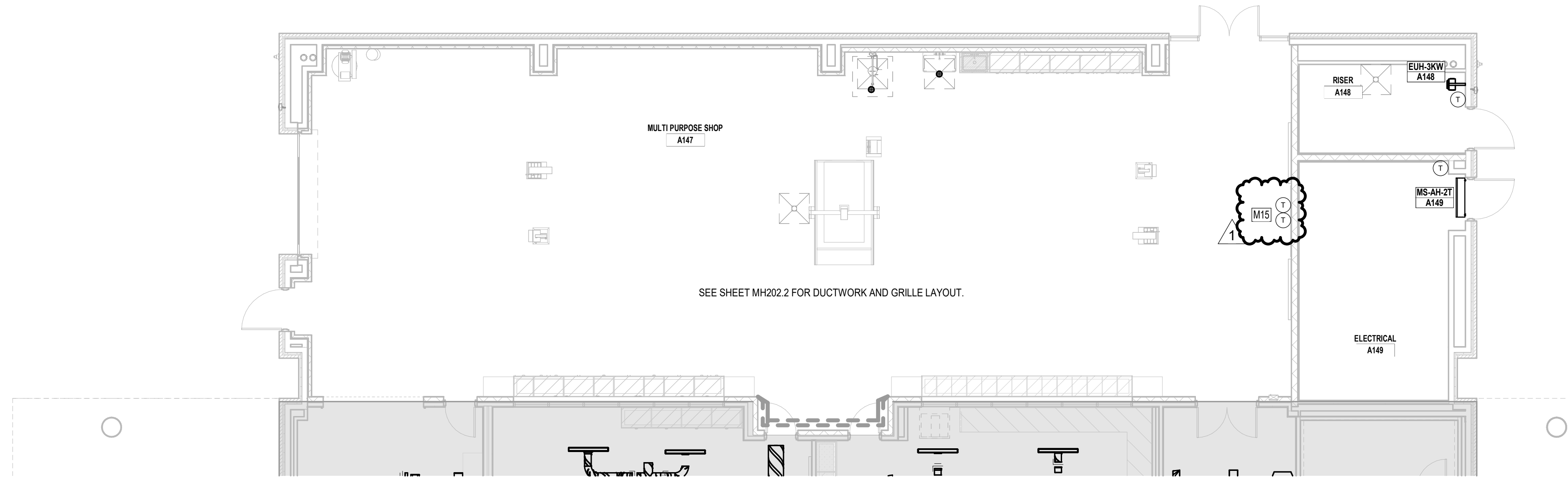


MECHANICAL GENERAL NOTES
 SEE SHEET MH7.1 FOR ALL GENERAL NOTES APPLICABLE TO ENTIRE DRAWING SET

MECHANICAL PLAN NOTES
 M15 PROVIDE A PROTECTIVE COVER GUARD, VANDAL RESISTANT (CORRIDORS, CAFETERIA, HALLS AND COMMONS AREA).



2 MECHANICAL SITE PLAN - SECURITY BOOTH
 1/8" = 1'-0"
 TRUE NORTH



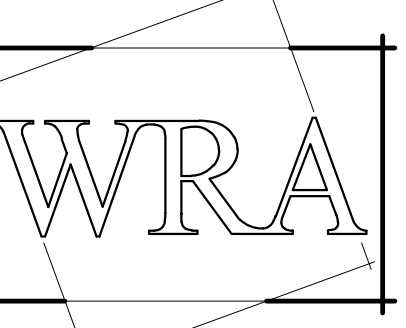
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 1/8" = 1'-0"
 TRUE NORTH

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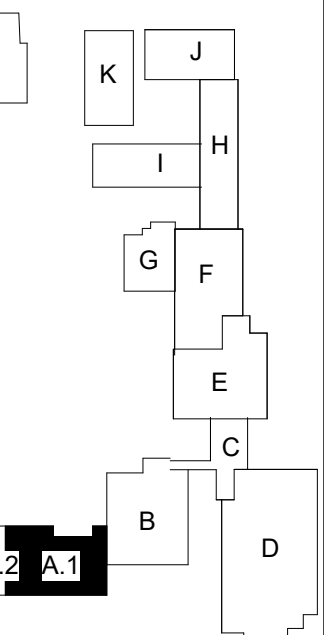
No.	Date
1	9/19/2024

JOB NO.	2399
DATE:	09/19/2024
MECHANICAL FLOOR PLAN LEVEL 1 UNIT A.2	
MH201.2	
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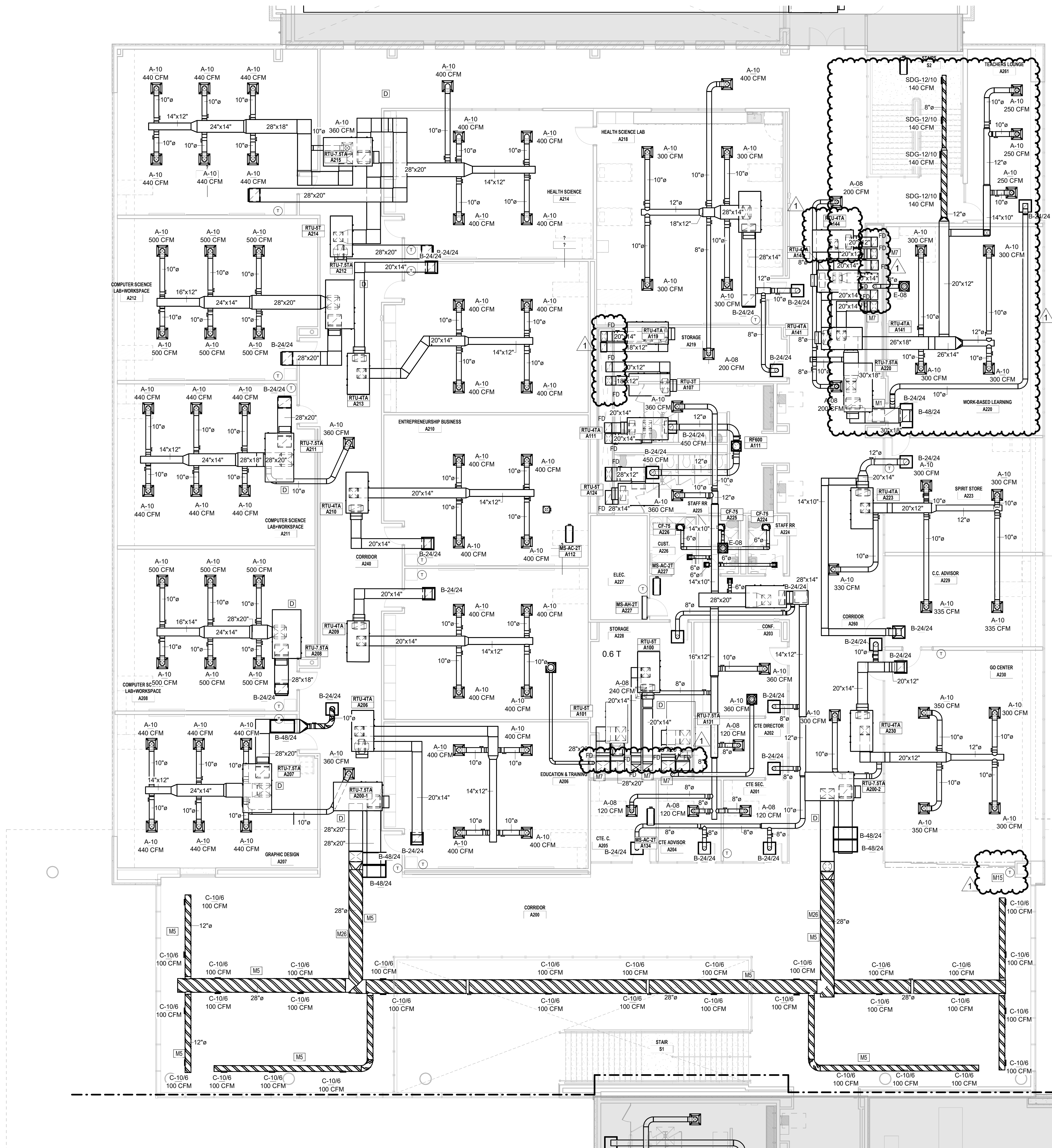
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MECHANICAL GENERAL NOTES
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MECHANICAL PLAN NOTES

- M1 10"Ø DOWN WITH MANUAL DAMPER.
- M5 DOUBLE WALL PAINT-GRIP SPIRAL DUCT. COORDINATE COLOR WITH ARCHITECT.
- M7 SUPPLY AND RETURN DOWN IN CHASE.
- M15 PROVIDE A PROTECTIVE COVER GUARD, VANDAL RESISTANT (CORRIDORS, CAFETERIA, HALLS AND COMMONS AREA).
- M26 ADJUST DUCT TO FOLLOW PITCH OF THE ROOF.



1 MECHANICAL FLOOR PLAN - Level 2 - UNIT A.1
1/8" = 1'-0"
TRUE NORTH

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MECHANICAL FLOOR PLAN LEVEL 2 UNIT A.1

MH202.1

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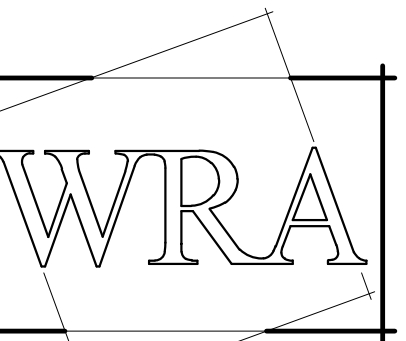
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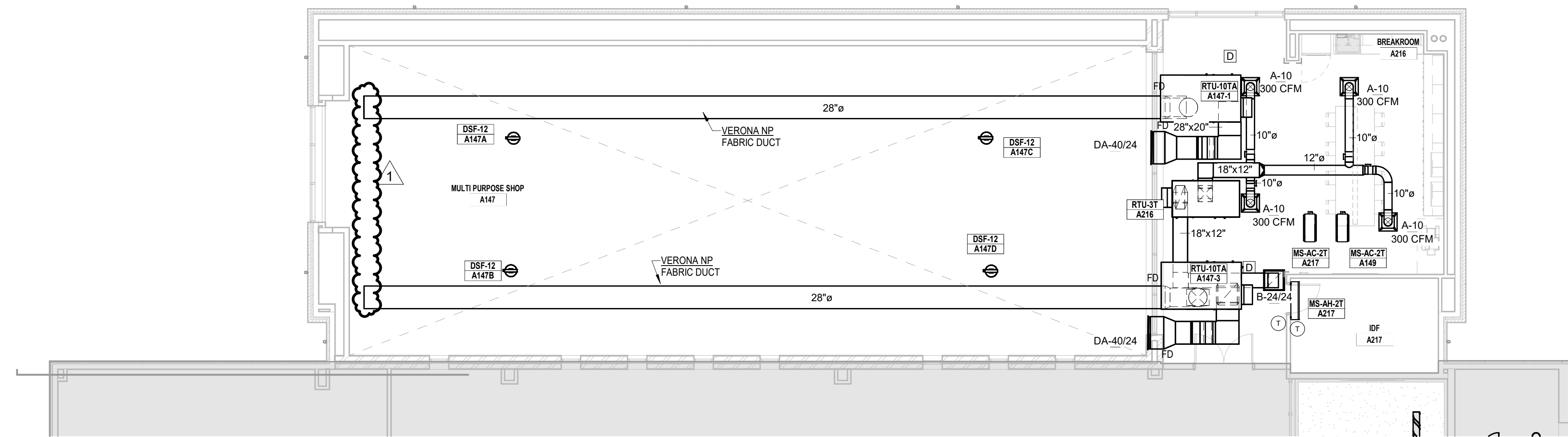
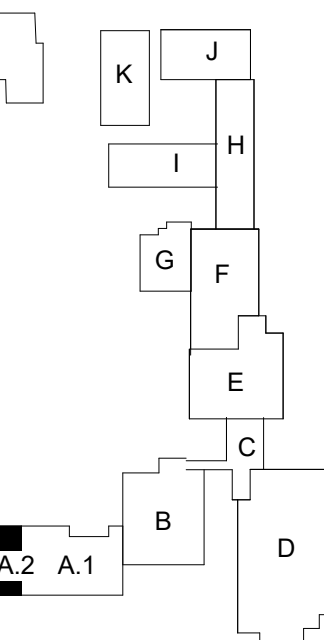
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MECHANICAL GENERAL NOTES

SEE SHEET MH7.1 FOR ALL GENERAL NOTES APPLICABLE TO ENTIRE DRAWING SET



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1 MECHANICAL FLOOR PLAN - Level 2 - UNIT A.2
1/8" = 1'-0"

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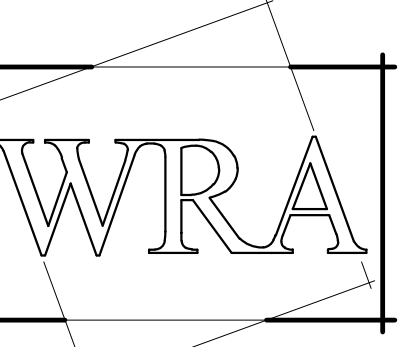
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DATE: 09/19/2024

MECHANICAL FLOOR PLAN LEVEL 2 UNIT A.2

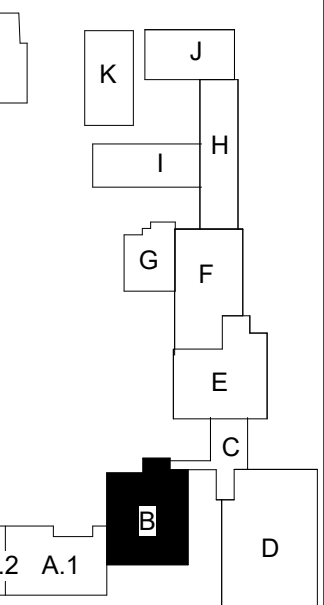
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MECHANICAL GENERAL NOTES

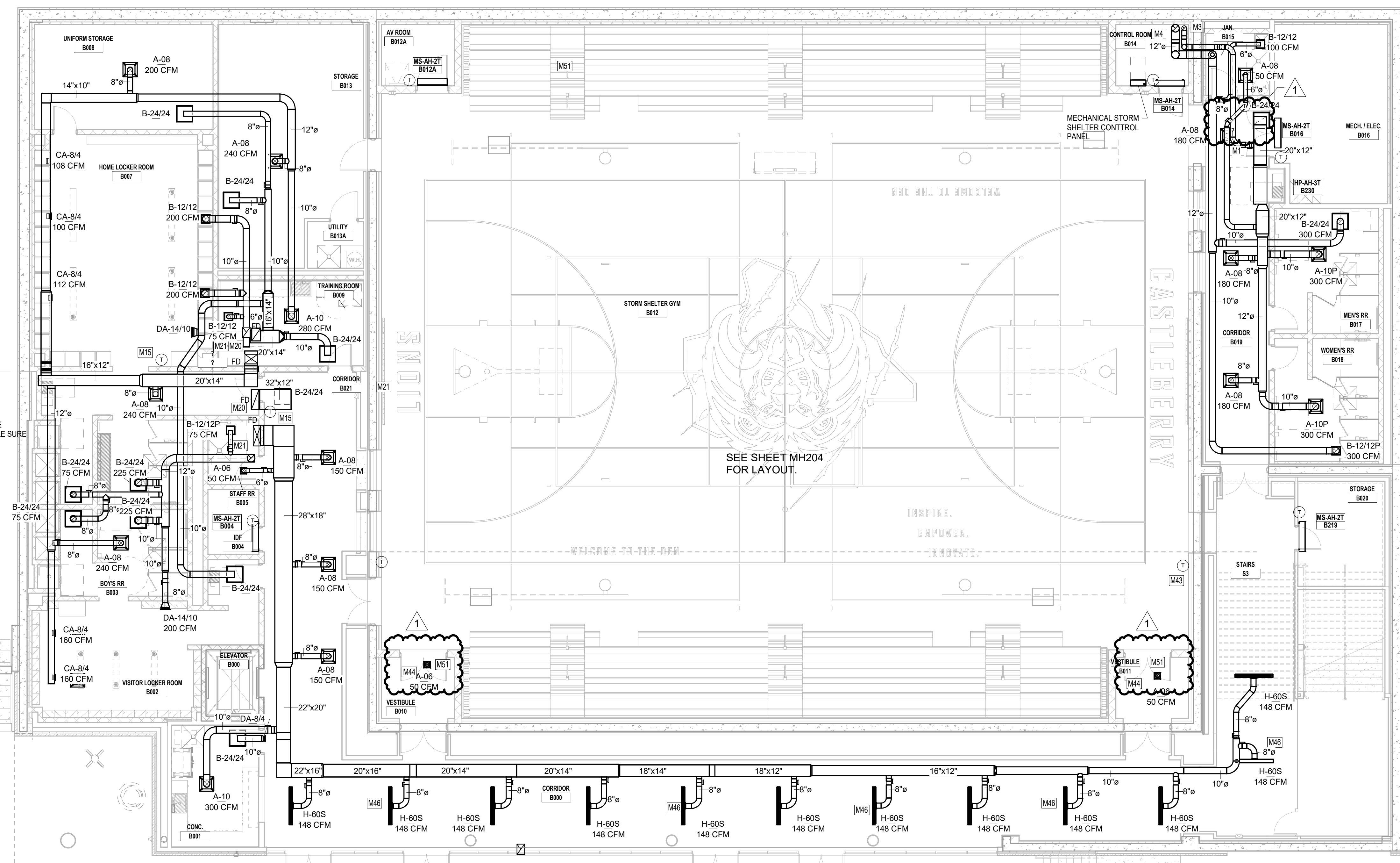
SEE SHEET MH7.1 FOR ALL GENERAL NOTES APPLICABLE TO ENTIRE DRAWING SET

MECHANICAL PLAN NOTES

- M1 10"Ø DOWN WITH MANUAL DAMPER.
- M3 8"Ø DUCT UP IN CHASE TO OUTSIDE AIR INTAKE ON ROOF.
- M4 8"Ø UP TO EXHAUST FAN ON ROOF.
- M15 PROVIDE A PROTECTIVE COVER GUARD, VANDAL RESISTANT (CORRIDORS, CAFETERIA, HALLS AND COMMONS AREA).
- M20 SUPPLY AND RETURN UP IN CHASE TO RTU.
- M21 EXHAUST DUCT UP IN CHASE TO FAN ON ROOF.
- M43 PROVIDE PROTECTIVE CASE FOR THERMOSTAT(S).
- M44 COORDINATE GRILLE(S) HEIGHT WITH CEILING HEIGHT AND CONNECT DUCTWORK.
- M46 SUSPEND SLOT DIFFUSER BETWEEN CLOUDS. CONSULT ARCHITECT FOR EXACT LOCATION.
- M51 8"Ø DOWN WITH MANUAL DAMPER.

Alternate #3
Base Bid: Provide retractable bleachers in the Storm shelter gymnasium.
Deduct Alternate Bid: Retractable Bleachers at Unit B Gymnasium at storm shelter to be removed from scope.

Alternate #3
Base Bid: Provide retractable bleachers in the Storm shelter gymnasium.
Deduct Alternate Bid: Retractable Bleachers at Unit B Gymnasium at storm shelter to be removed from scope.



SEE SHEET MH204 FOR LAYOUT.

1 MECHANICAL FLOOR PLAN - Level 0 - UNIT B
1/8" = 1'-0"
TRUE NORTH

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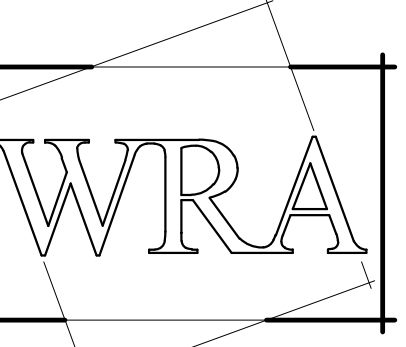
No.	Date
1	9/19/2024

MECHANICAL FLOOR PLAN LEVEL 0 UNIT B	2399
MH203	09/19/2024

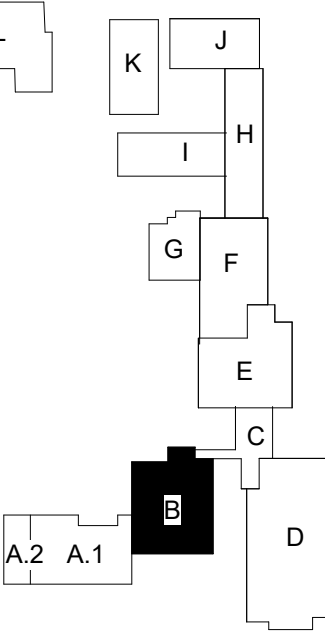
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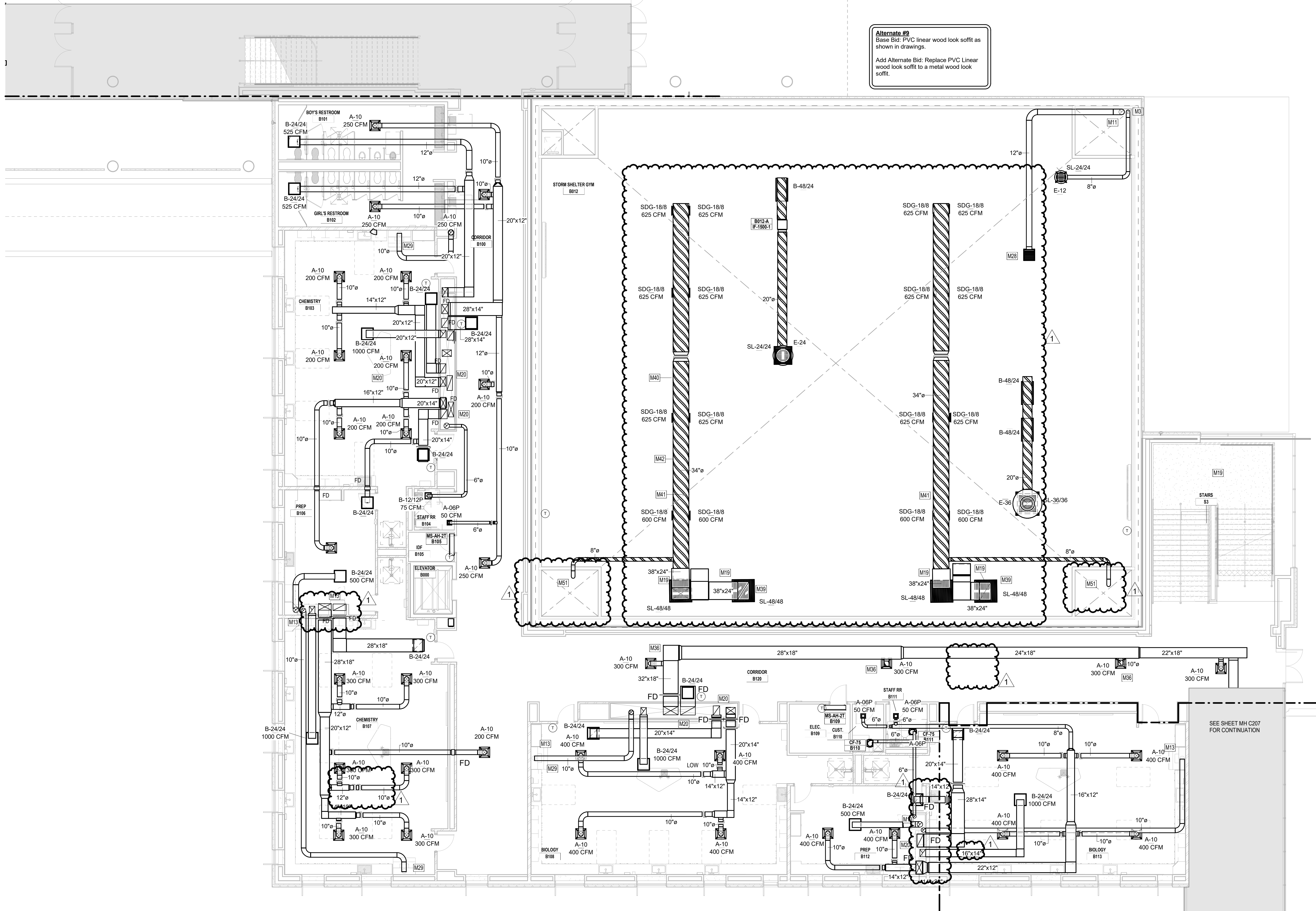
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MECHANICAL GENERAL NOTES
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- MECHANICAL PLAN NOTES**
- M3 8"Ø DUCT UP IN CHASE TO OUTSIDE AIR INTAKE ON ROOF.
 - M11 8"Ø UP TO EXHAUST RELIEF ON ROOF..
 - M13 STAINLESS STEEL CHEMICAL RESISTANT COATED DUCT UP FAN ON ROOF.
 - M19 ALL DUCT IN THIS AREA. PROVIDE DUCTWORK INTERNALLY LINED WITH 1" ACOUSTICAL INSULATION. ROUTE DUCT AS HIGH AND TIGHT TO BOTTOM OF ROOF STRUCTURE AS POSSIBLE. PAINT DUCTWORK COORDINATE WITH ARCHITECT FOR COLOR.
 - M20 SUPPLY AND RETURN UP IN CHASE TO RTU.
 - M28 PROVIDE PROPER STORM RATED RELIEF. SEE STRUCTURAL FOR DETAILS.
 - M29 CONNECT EXHAUST DUCT TO HOOD
 - M36 CONNECT DUCTWORK TO GRILLE(S).
 - M39 38X24 TURNED UP WITH 1/2" HARDWARE CLOTH.
 - M40 MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE STEEL ERECTOR SO THAT BAYS WHERE SPIRAL DUCT IS INSTALLED. HORIZONTAL BRIDGING IS INSTALLED IN LIEU OF CROSS-BRIDGING.
 - M41 ROUTE DUCT UP BETWEEN JOIST.
 - M42 MECHANICAL CONTRACTOR TO COORDINATE DUCT ROUTING WITH CABLING, STRUCTURAL, LIGHTING FIXTURES, AND BASKETBALL GOAL LOCATION WHEN FULLY PULLED UP.
 - M51 8"Ø DOWN WITH MANUAL DAMPER.

Alternate #3
Base Bid: PVC linear wood look soffit as shown in drawings.
Add Alternate Bid: Replace PVC Linear wood look soffit to a metal wood look soffit.



1 MECHANICAL FLOOR PLAN - Level 1 - UNIT B - ALT#9
1/8" = 1'-0"



SEE SHEET MH C207 FOR CONTINUATION

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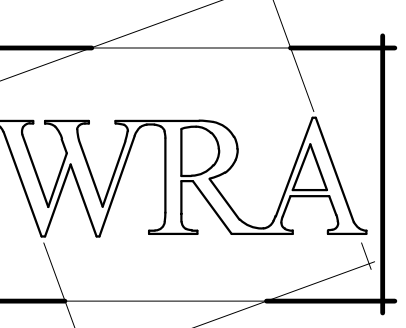
No.	Date
1	9/19/2024

JOB NO.	2359
DATE:	09/19/2024
MECHANICAL FLOOR PLAN LEVEL 1 UNIT B - ALT#9	
MH204	

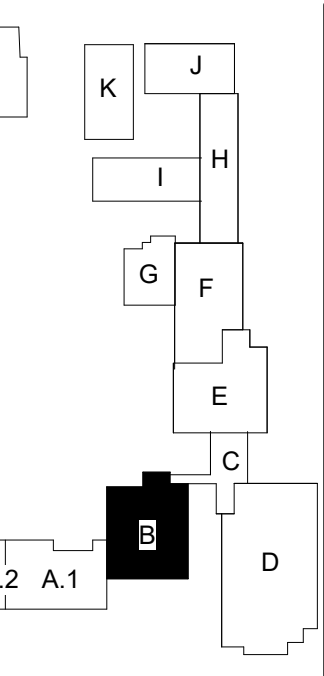
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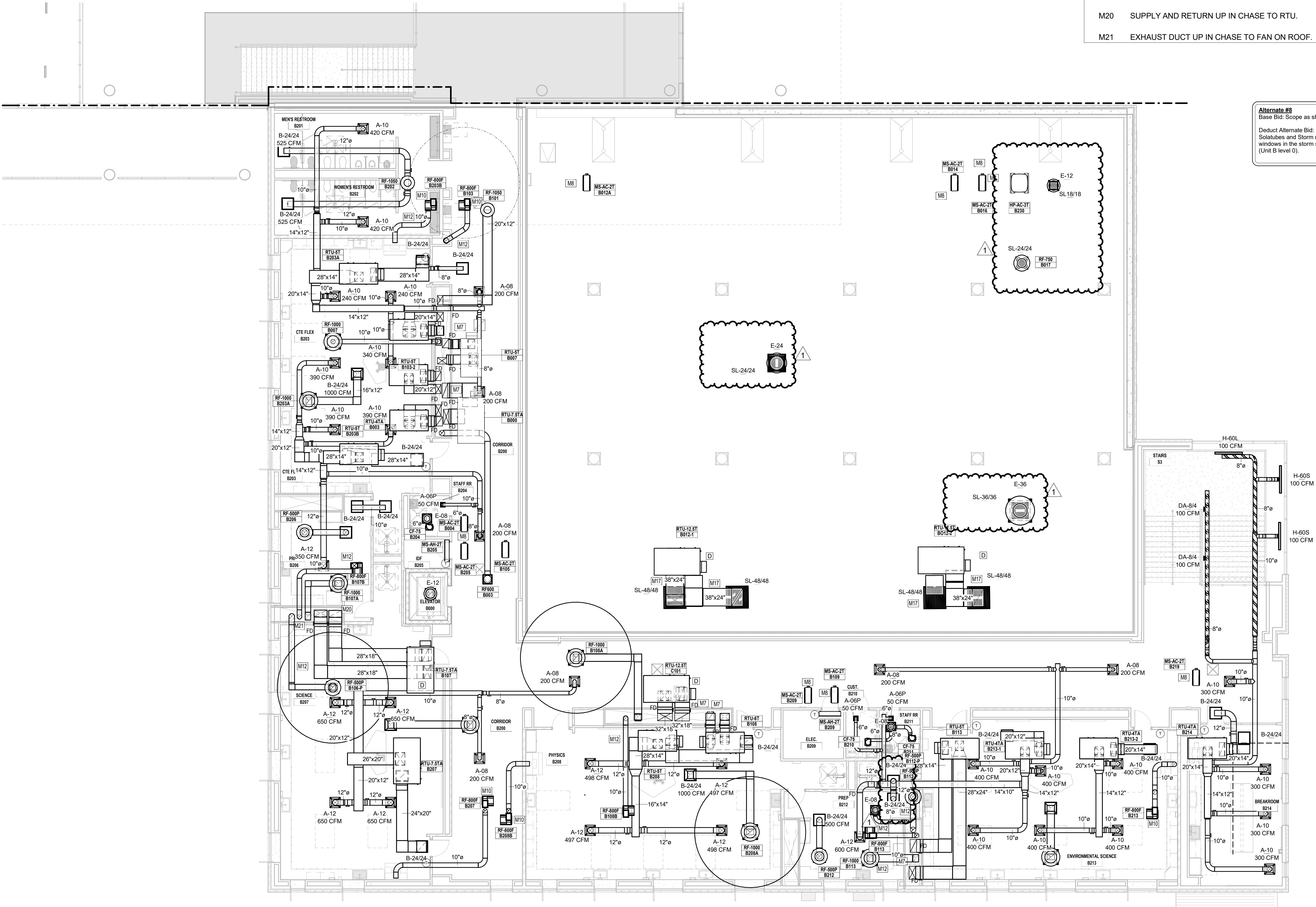


MECHANICAL GENERAL NOTES
SEE SHEET MH7.1 FOR ALL GENERAL NOTES APPLICABLE TO ENTIRE DRAWING SET

MECHANICAL PLAN NOTES

- M7 SUPPLY AND RETURN DOWN IN CHASE.
- M8 REFRIGERANT LINES DOWN THROUGH HOODED ROOF CAP
- M10 ADD 3'-0" ACID RESISTANT EXHAUST DUCT ON ROOF FAN
- M12 STAINLESS STEEL EXHAUST DUCT FROM FUME HOOD UP TO EXHAUST FAN ON ROOF.
- M17 ALL EXTERIOR DUCTWORK TO BE "DUCTMATE" OR EQUAL.
- M20 SUPPLY AND RETURN UP IN CHASE TO RTU.
- M21 EXHAUST DUCT UP IN CHASE TO FAN ON ROOF.

Alternate #8
Base Bid: Scope as shown to be bid.
Deduct Alternate Bid: Remove all Solatubes and Storm rated (FEMA) windows in the storm shelter (Unit B level D).



1 MECHANICAL FLOOR PLAN - Level 2 - UNIT B
1/8" = 1'-0"

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MECHANICAL FLOOR PLAN LEVEL 2 UNIT B

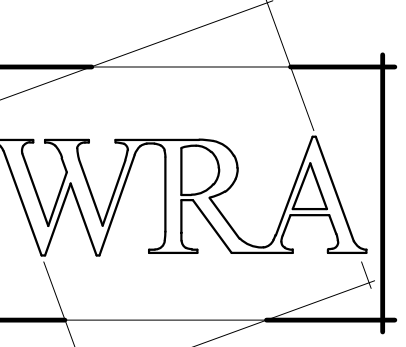
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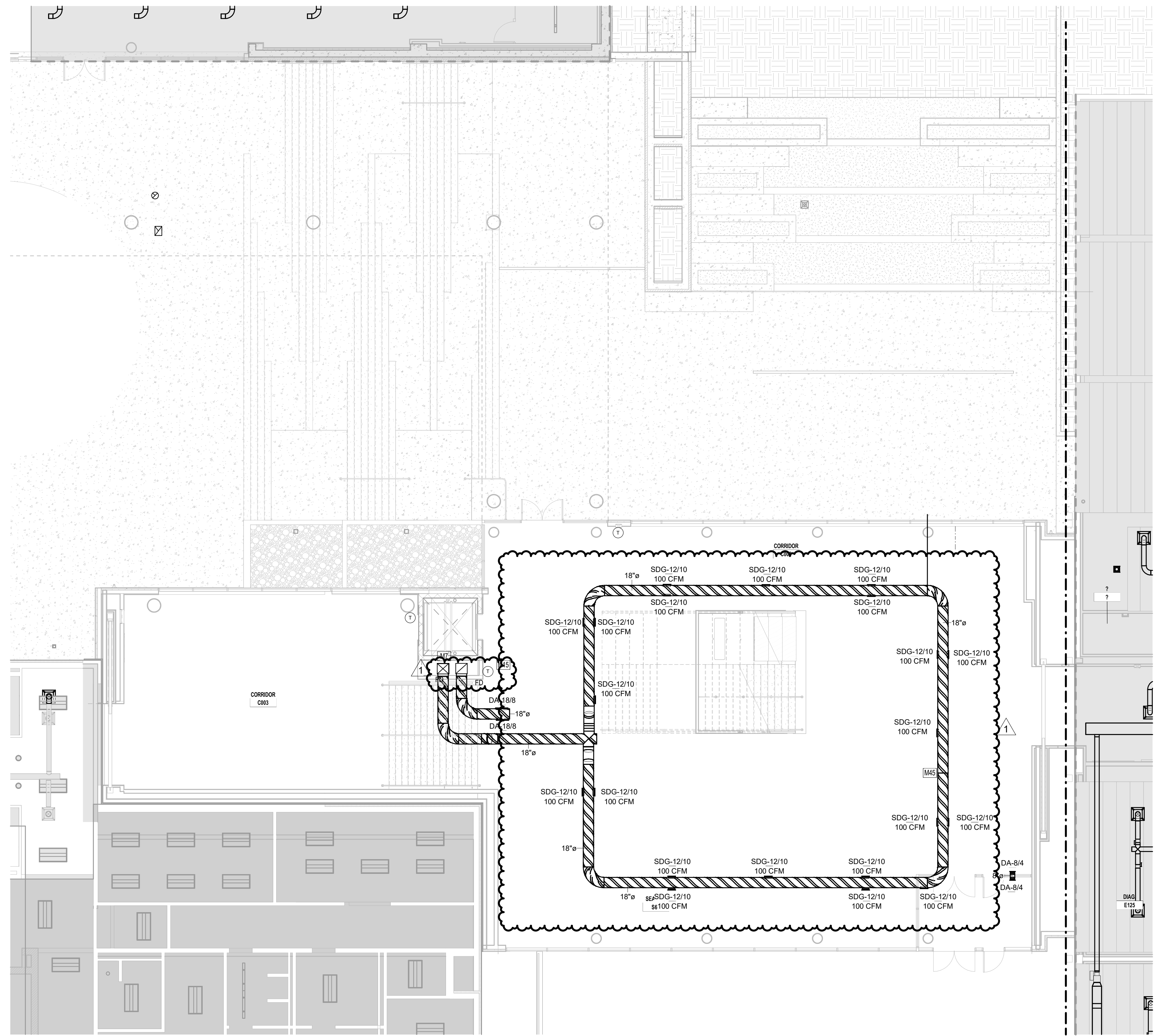
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MECHANICAL GENERAL NOTES
SEE SHEET MH7.1 FOR ALL GENERAL NOTES APPLICABLE TO ENTIRE DRAWING SET

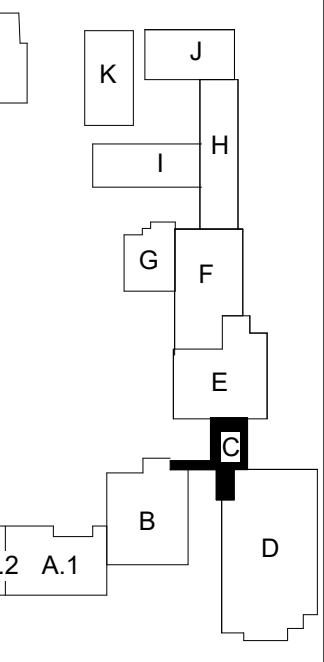
MECHANICAL PLAN NOTES

- M7 SUPPLY AND RETURN DOWN IN CHASE.
- M15 PROVIDE A PROTECTIVE COVER GUARD, VANDAL RESISTANT (CORRIDORS, CAFETERIA, HALLS AND COMMONS AREA).
- M45 CAP DUCT ENDS AND BUTT DUCTWORK TOGETHER.



 TRUE NORTH
1 MECHANICAL FLOOR PLAN - Level .5 - New - UNIT C
1/8" = 1'-0"

STEPS
E123



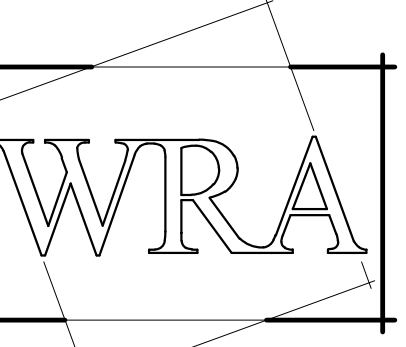
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No.	Date
1 Addendum 1	9/19/2024

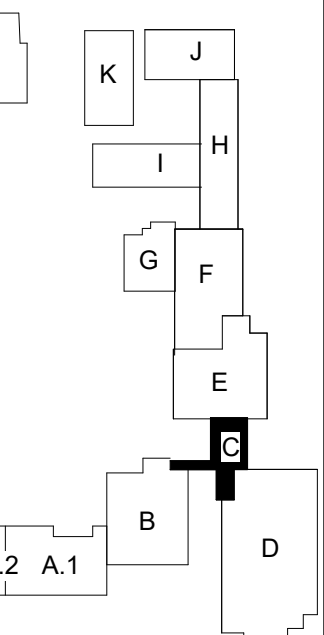
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MECHANICAL FLOOR PLAN LEVEL 0.5 UNIT C
MH206

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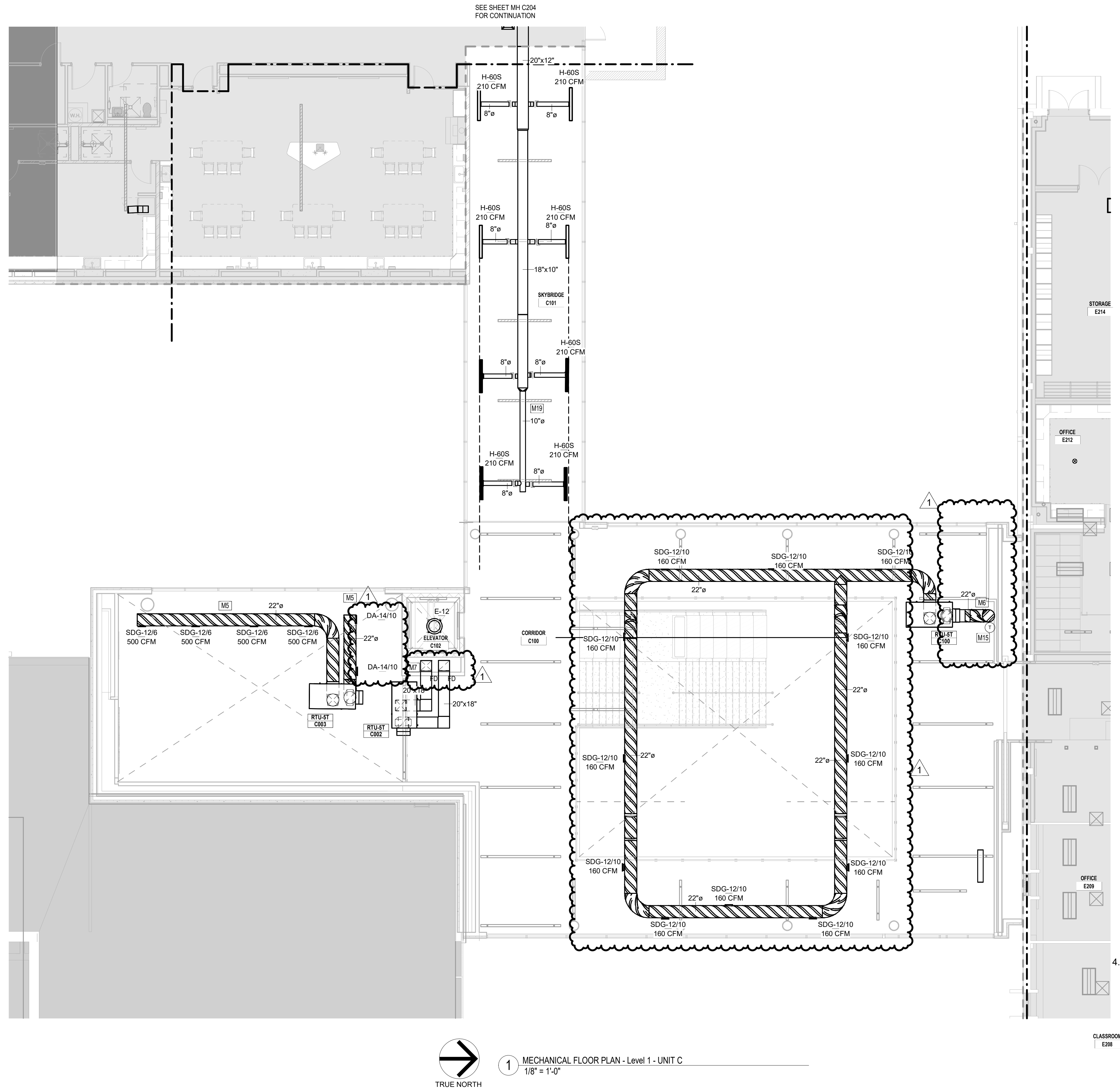


MECHANICAL GENERAL NOTES

SEE SHEET MH7.1 FOR ALL GENERAL NOTES APPLICABLE TO ENTIRE DRAWING SET

MECHANICAL PLAN NOTES

- M5 DOUBLE WALL PAINT-GRIP SPIRAL DUCT. COORDINATE COLOR WITH ARCHITECT.
- M6 TURN RETURN AIR DUCT UP. COVER OPENING WITH A 1/2" HARDWARE CLOTH.
- M7 SUPPLY AND RETURN DOWN IN CHASE.
- M15 PROVIDE A PROTECTIVE COVER GUARD, VANDAL RESISTANT (CORRIDORS, CAFETERIA, HALLS AND COMMONS AREA).
- M19 ALL DUCT IN THIS AREA. PROVIDE DUCTWORK INTERNALLY LINED WITH 1" ACOUSTICAL INSULATION. ROUTE DUCT AS HIGH AND TIGHT TO BOTTOM OF ROOF STRUCTURE AS POSSIBLE. PAINT DUCTWORK COORDINATE WITH ARCHITECT FOR COLOR.



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MECHANICAL FLOOR PLAN LEVEL 1 UNIT C
MH207

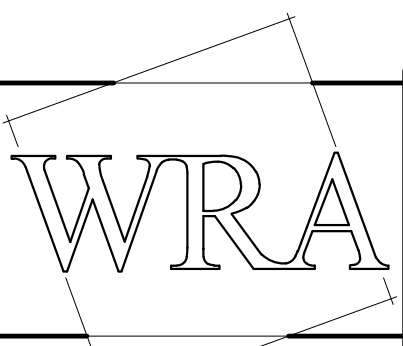
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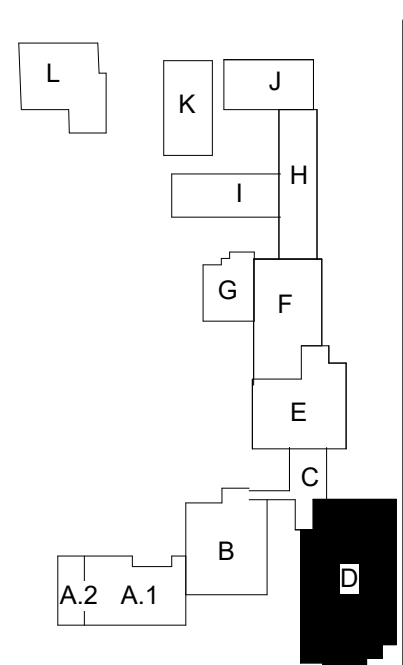
1 065 0350 008

MECHANICAL GENERAL NOTES
 SEE SHEET MH7.1 FOR ALL GENERAL NOTES APPLICABLE TO ENTIRE DRAWING SET

MECHANICAL PLAN NOTES
 M58 CONNECT EXISTING DUCTWORK TO NEW GRILLE(S).



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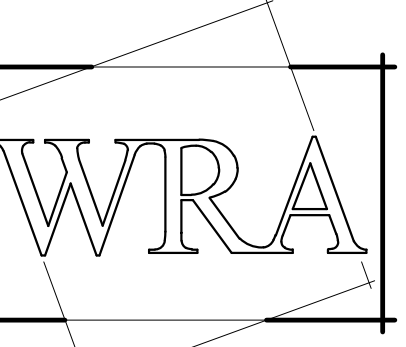
1 MECHANICAL FLOOR PLAN - Level 5 - New - UNIT D
 1/8" = 1'-0"
 TRUE NORTH

No.	Date
1	9/19/2024

JOB NO. 2359
 DATE: 09/19/2024

MECHANICAL FLOOR PLAN LEVEL 0.5 UNIT D
 MH208

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 1 065 0350 008



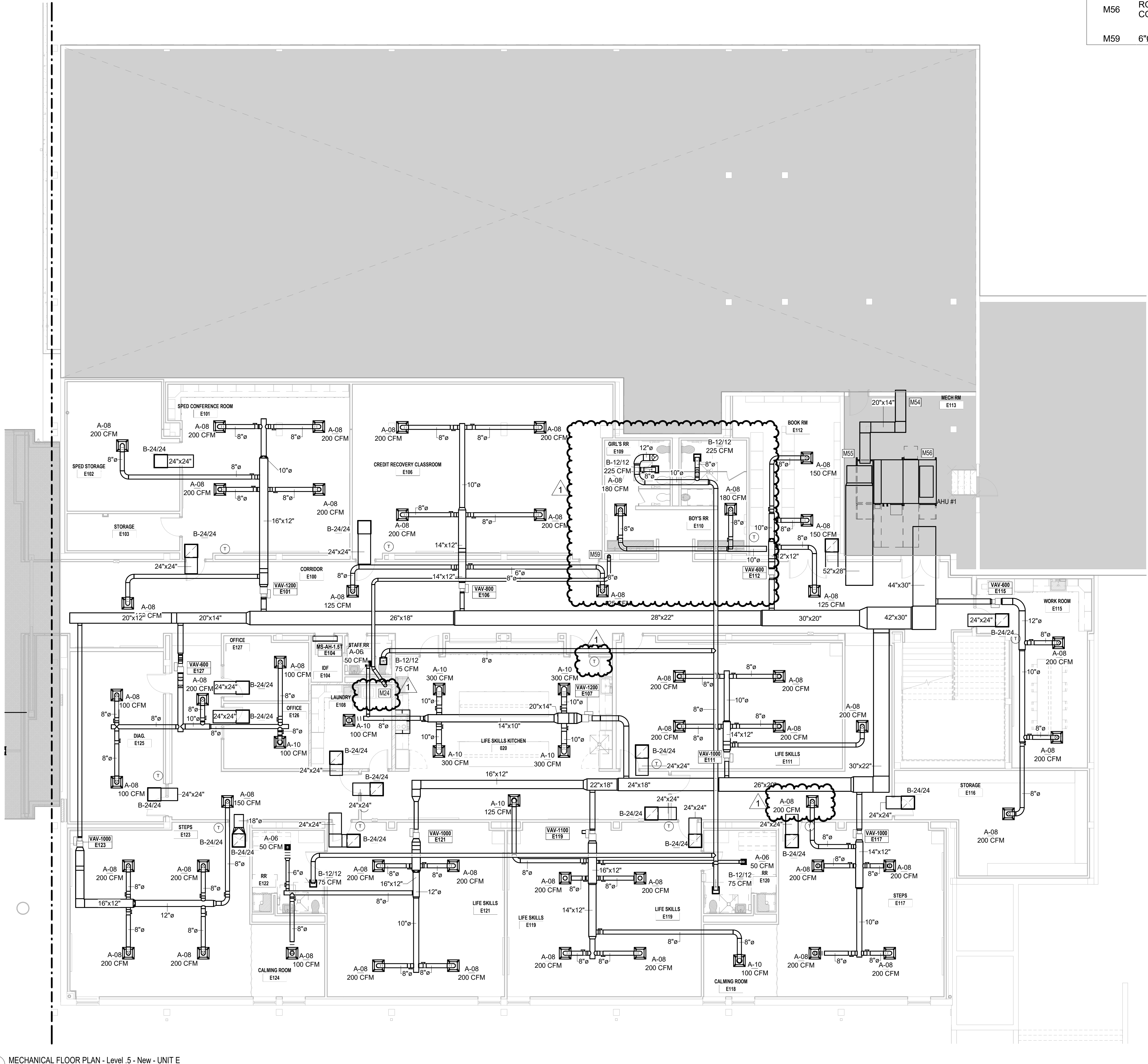
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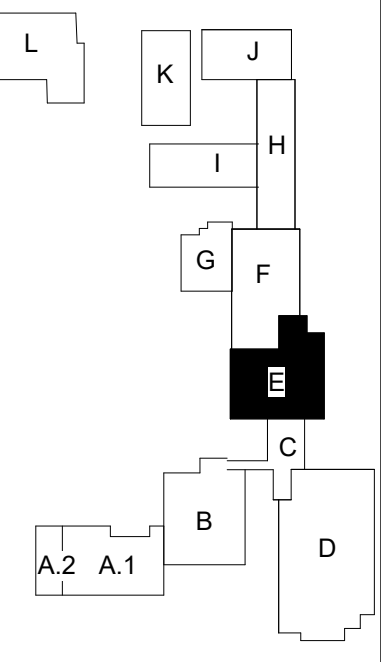
MECHANICAL GENERAL NOTES
SEE SHEET MH7.1 FOR ALL GENERAL NOTES APPLICABLE TO ENTIRE DRAWING SET

MECHANICAL PLAN NOTES

- M24 DRYER VENT UP TO GOOSE NECK ON ROOF.
- M54 TAP NEW DUCT INTO EXISTING OUTSIDE AIR DUCTWORK.
- M55 CONNECT OUTSIDE AIR DUCT INTO RETURN AIR DUCT.
- M56 ROUTE REFRIGERANT LINES FROM AIR HANDLER TO NEW CONDENSOR LOCATION.
- M59 6"Ø DUCT TO BE ROUTED UP TO GOOSE NECK DRIER RELIEF.



1 MECHANICAL FLOOR PLAN - Level 0.5 - New - UNIT E
1/8" = 1'-0"
TRUE NORTH



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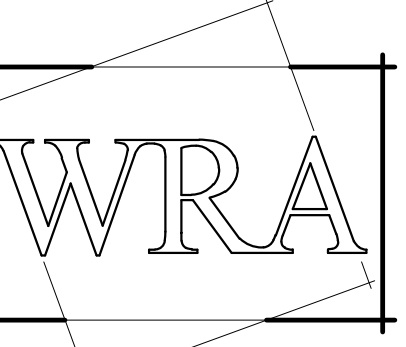
REVISIONS:	
No.	Date
1	Addendum 1 9/19/2024

JOB NO.	2359
DATE:	09/19/2024
MECHANICAL FLOOR PLAN LEVEL 0.5 UNIT E	
MH210	
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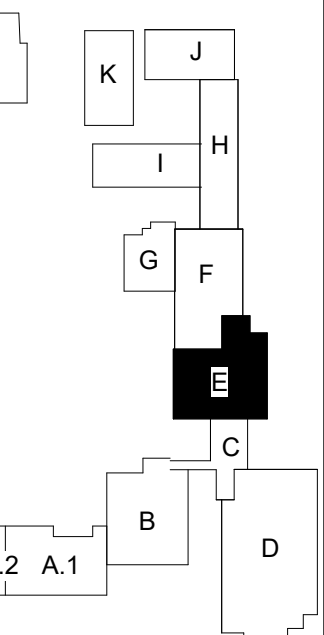
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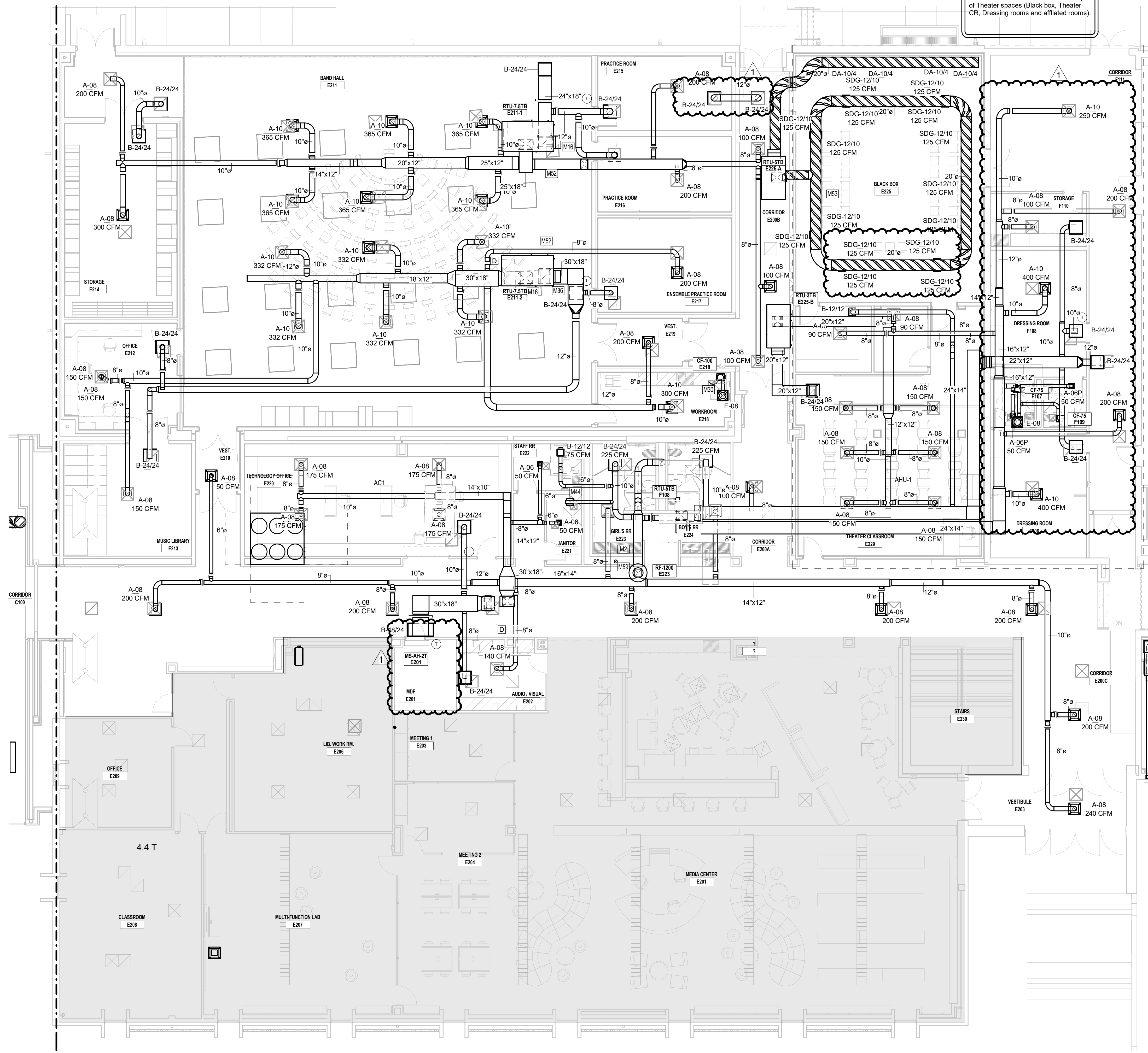
MECHANICAL GENERAL NOTES

SEE SHEET MH7.1 FOR ALL GENERAL NOTES APPLICABLE TO ENTIRE DRAWING SET

MECHANICAL PLAN NOTES

- M2 ROUTE REFRIGERANT LINES FROM MULTI ZONE UNIT UP IN CHASE SIZE PER MANUFACTURE RECOMMENDATION.
- M16 INSTALL ROOF CURB ADAPTOR.
- M30 CONNECT FAN CONTROLS TO THERMOSTAT, WHEN TEMPERATURE RISES FROM THE ICE MACHINE ACTIVATE THE FAN.
- M36 CONNECT DUCTWORK TO GRILLE(S).
- M44 COORDINATE GRILLE(S) HEIGHT WITH CEILING HEIGHT AND CONNECT DUCTWORK.
- M52 UNIT TO BE INSTALLED WITH/ON AN ISOLATION CURB.
- M53 MECHANICAL CONTRACTOR TO COORDINATE DUCT ROUTING WITH CABLING, STRUCTURAL, AND LIGHTING FIXTURES.
- M59 6"Ø DUCT TO BE ROUTED UP TO GOOSE NECK DRIER RELIEF.

Alternate #1
Base Bid: Existing to Remain
Add Alternate Bid: Add renovation scope of Theater spaces (Black box, Theater CR, Dressing rooms and affiliated rooms).



TRUE NORTH
1 MECHANICAL FLOOR PLAN - Level 1 - UNIT E
1/8" = 1'-0"

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REVISIONS:	
No.	Date
1	Addendum 1 9/19/2024

JOB NO.	2399
DATE:	09/19/2024
MECHANICAL FLOOR PLAN LEVEL 1 UNIT E	
MH211	
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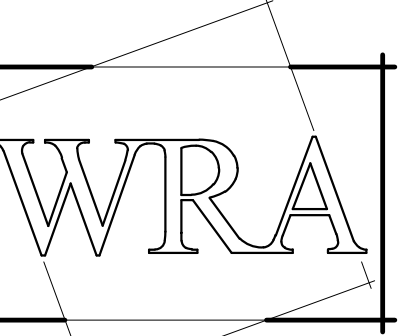
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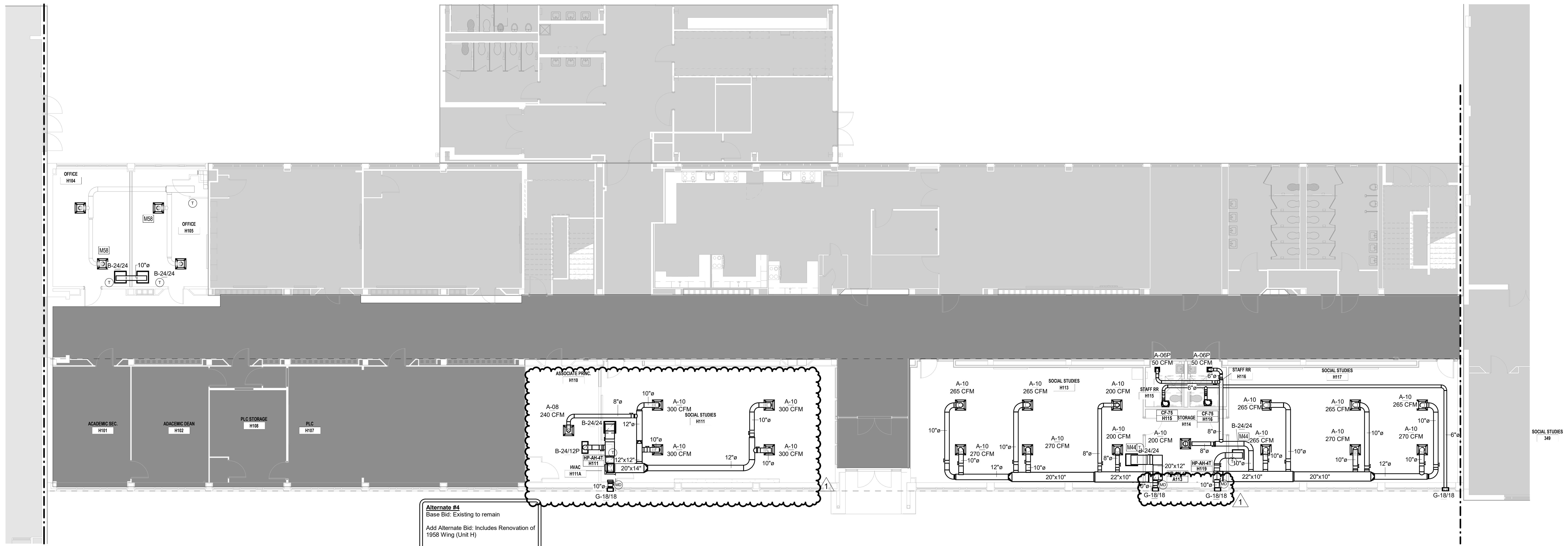
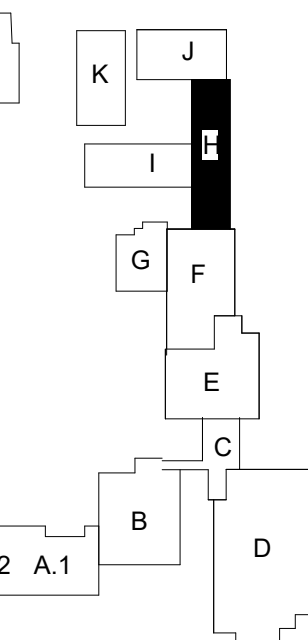
1 065 0350 008

MECHANICAL GENERAL NOTES

SEE SHEET MH7.1 FOR ALL GENERAL NOTES APPLICABLE TO ENTIRE DRAWING SET



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Alternate #4
Base Bid: Existing to remain
Add Alternate Bid: Includes Renovation of 1958 Wing (Unit H)



1 MECHANICAL FLOOR PLAN - Level 1.5 - UNIT H - ALT#5
1/8" = 1'-0"

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No.	Date
1	Addendum 1 9/19/2024

JOB NO. 2399
DATE: 09/19/2024

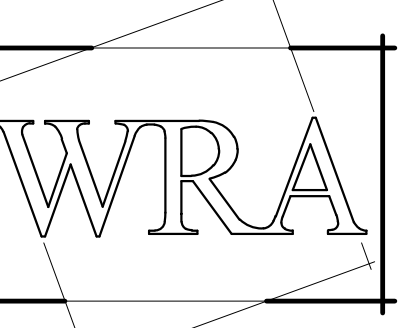
MECHANICAL FLOOR PLAN LEVEL 1.5 UNIT H - ALT#5
MH213

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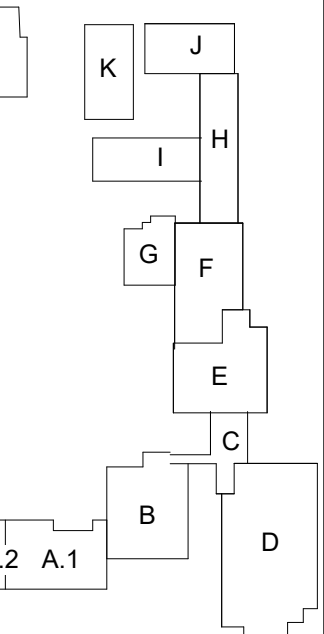
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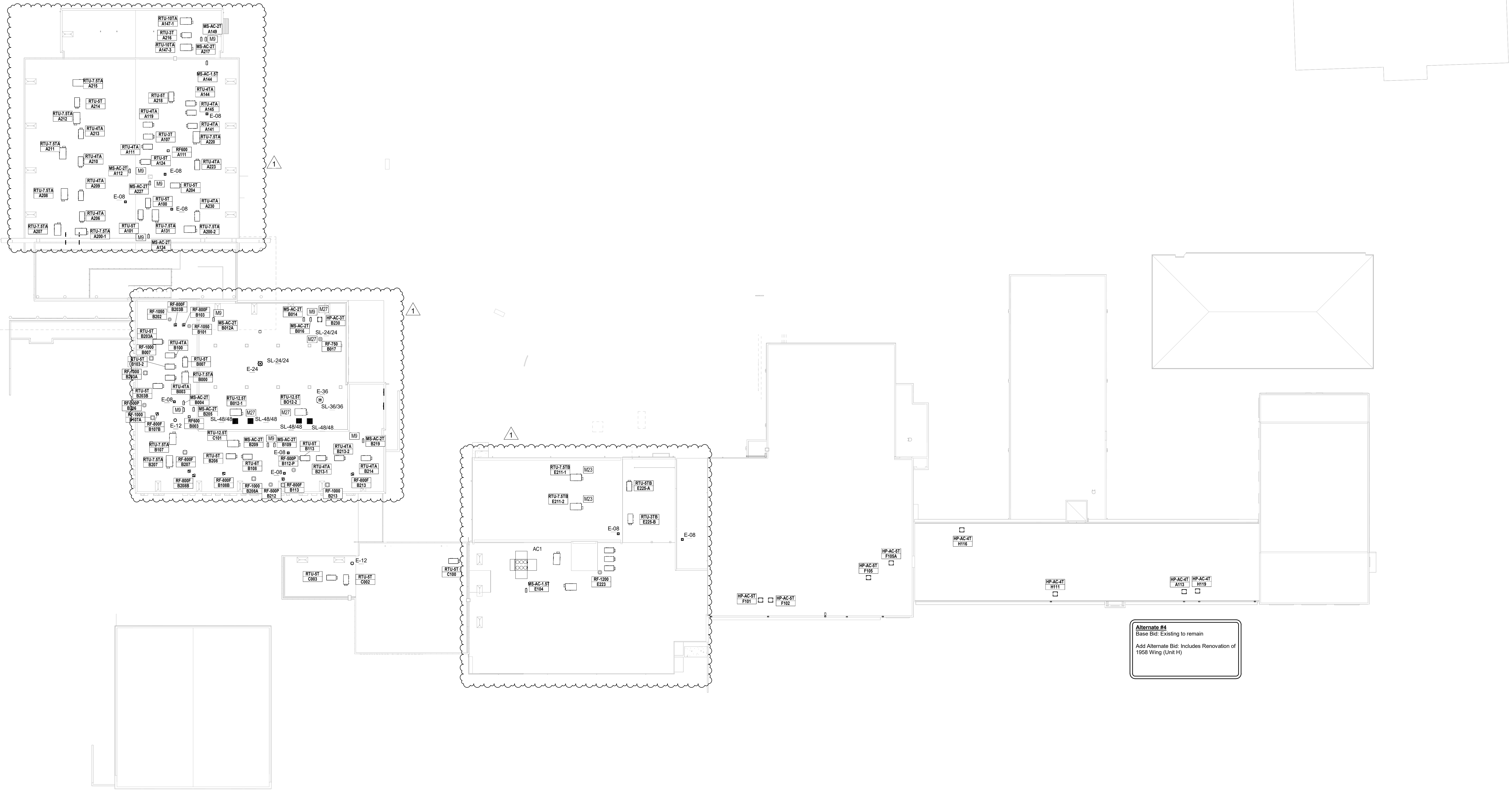
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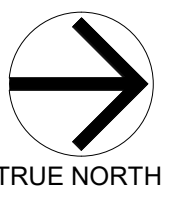
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MECHANICAL GENERAL NOTES
 SEE SHEET MH7.1 FOR ALL GENERAL NOTES APPLICABLE TO ENTIRE DRAWING SET



Alternate #4
 Base Bid: Existing to remain
 Add Alternate Bid: Includes Renovation of 1956 Wing (Unit H)



1 MECHANICAL ROOF PLAN
 1" = 30'-0"

9/19/2024 10:27:00 AM

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No.	Date
1	Addendum 1 9/19/2024

JOB NO. 2359
 DATE: 09/19/2024
 MECHANICAL ROOF PLAN

MH601

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 1 065 0350 008

PACKAGED ROOF TOP UNIT SCHEDULE																			
DX COOLING / GAS HEATING																			
RTU MARKS	DESIGN MANUFACTURER	MODEL	TONS	SEER / IEER	EER	E.S.P. (IN. W.C.)	FAN CFM		OUTSIDE AIR CFM	DX COOLING		HEAT INPUT (MBTUH)	ELECTRICAL			UNIT WEIGHT (LBS)	REMARKS PROVIDE	RTU TAGS	
							HIGH SPEED	LOW SPEED		TOTAL (MBTUH)	SENSIBLE (MBTUH)		VOLT.	PHASE	MCA				MOCP
RTU-3T	LENNOX	LGT036H4E	3T	17.0	13.5	0.5	1,200	800	240	34	27	65	480 V	3	12 A	15 A	1000	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16	A107, A216, B214
RTU-3TB	LENNOX	LGT036H4E	3T	17.0	13.5	0.5	1,200	800	240	34	27	65	208 V	3	19 A	25 A	1000	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16	E225-B
RTU-4TA	LENNOX	LGT048H4E	4T	17.0	12.8	0.5	1,600	1,000	320	51	40	65	480 V	3	14 A	20 A	1000	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16	A111, A119, 1414, A145, A206, A209, A210, A213, A223, A230, B003, B007, B100, B213-1, B213-2
RTU-5T	LENNOX	LGT060H4E	5T	17.0	12.7	0.5	1,990	1,300	398	58	46	65	480 V	3	15 A	20 A	1000	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16	A100, A101, A124, A204, A214, A218, A220, B007, B103-2, B113, B203A, B203B, B208, C002, C003, C100
RTU-5TB	LENNOX	LGT060H4E	5T	16	12	0.5	1,990	1,300	398	58	46	65	208 V	3	22 A	35 A	1000	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16	E225-A, F108
RTU-6T	LENNOX	LGT072H4E	6T	17.0	12.1	0.5	2,400	1,600	300	70	56	108	480 V	3	17 A	25 A	1000	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16	B108
RTU-7.5TA	LENNOX	LGT092H4E	7.5T	15.7	12.3	0.5	3,000	2,000	600	88	64	130	480 V	3	22 A	30 A	1400	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16	B207, A208, A207A200-1, A220, B107, A131, A200-2, A211, A212, A215, B000
RTU-7.5TB	LENNOX	LGT092H4E	7.5T	15.7	12.3	0.5	3,000	2,000	600	88	64	130	208 V	3	43 A	50 A	1400	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16	E211-1, E211-2, E220
RTU-10TA	LENNOX	LGT120H4E	10T	15.7	12.3	0.5	4,000	2,600	800	114	84	195	480 V	3	29 A	40 A	1500	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16	A147-1, A147-3
RTU-12.5T	LENNOX	LGT150H4E	12.5T	15.5	12.0	1.25	5,000	3,300	1,000	136	104	195	480 V	3	30 A	40 A	1500	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 19	B012-1, B012-2, C101

RTU REMARKS | PROVIDE

1. 2" FILTER RACK WITH MERV 8 FILTERS	5. CRANKCASE HEATER	9. MULTIPLE COMPRESSORS	13. BAS TERMINAL STRIP	17. HOT GAS REHEAT
2. ROOF CURB	6. FREEZE THERMOSTAT	10. ECM OR VFD ON SUPPLY FAN	14. AIR IONIZER	18. CONVICENCE OUTLET POWERED BY EC
3. HAIL COIL GUARD	7. R-410A REFRIGERANT	11. HINGED ACCESS DOORS	15. ECONOMIZER WITH F.D.D.	19. BELT DRIVEN
4. MOTORIZED MODULATING OUTSIDE AIR DAMPER	8. TWO STAGE COMPRESSOR	12. FUSED DISCONNECT BY EC	16. BAROMETRIC RELIEF	

ELECTRIC UNIT HEATER SCHEDULE

UH MARKS	DESIGN MANUFACTURER	MODEL	HEATING CAPACITY (KW)	HEATING CAPACITY (MBTUH)	FAN CFM	ELECTRICAL			UNIT WEIGHT (LBS)	REMARKS/PROVIDE	UH TAGS
EHU-3KW	BERKO	HUHAA-320	3	10	350	VOLT.	PHASE	MOCP	25	SUMMER FAN SWITCH, UNIT MOUNT THERMOSTAT, FAN DELAY SWITCH	A148

GRILLE SCHEDULE

GRILLE MARKS	DESIGN MANUFACTURE	MODEL	DESCRIPTION	MATERIAL	FINISH	MODULE SIZE	NECK SIZE	REMARKS PROVIDE
A-06	PRICE	SCD	CEILING SUPPLY DIFFUSER	STEEL	WHITE	12" x 12"	06" Ø	
A-06P	PRICE	SCD	CEILING SUPPLY DIFFUSER	STEEL	WHITE	12" x 12"	06" Ø	PLASTER FRAME
A-08	PRICE	SCD	CEILING SUPPLY DIFFUSER	STEEL	WHITE	24" x 24"	08" Ø	
A-08P	PRICE	SCD	CEILING SUPPLY DIFFUSER	STEEL	WHITE	24" x 24"	08" Ø	PLASTER FRAME
A-10	PRICE	SCD	CEILING SUPPLY DIFFUSER	STEEL	WHITE	24" x 24"	10" Ø	
A-10P	PRICE	SCD	CEILING SUPPLY DIFFUSER	STEEL	WHITE	24" x 24"	10" Ø	PLASTER FRAME
A-12	PRICE	SCD	CEILING SUPPLY DIFFUSER	STEEL	WHITE	24" x 24"	12" Ø	
B-12/12	PRICE	80	CEILING RETURN GRILLE	ALUMINUM	WHITE	12" x 12"	11" x 11"	
B-12/12P	PRICE	80	CEILING RETURN GRILLE	ALUMINUM	WHITE	12" x 12"	11" x 11"	PLASTER FRAME
B-24/12P	PRICE	80	CEILING RETURN GRILLE	ALUMINUM	WHITE	24" x 12"	23" x 11"	PLASTER FRAME
B-24/24	PRICE	80	CEILING RETURN GRILLE	ALUMINUM	WHITE	24" x 24"	23" x 23"	PROVIDE ROUND ADAPTER AS NECESSARY
B-24/24P	PRICE	80	CEILING RETURN GRILLE	ALUMINUM	WHITE	24" x 24"	23" x 23"	PROVIDE ROUND ADAPTER AS NECESSARY, PLASTER FRAME
B-48/24	PRICE	80	CEILING RETURN GRILLE	ALUMINUM	WHITE	48" x 24"	47" x 23"	PAINT INSIDE DUCT FLAT BLACK 2-0"
C-10/6	PRICE	SDG	SIDEWALL SUPPLY GRILLE	ALUMINUM	WHITE	10" x 6"	10" x 6"	HORIZONTAL FRONT BLADES, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT
CA-8/4	PRICE	620L	SIDEWALL SUPPLY GRILLE	ALUMINUM	WHITE	8" x 4"	8" x 4"	HORIZONTAL FRONT BLADES, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT
DA-7/10	PRICE	630L	SIDEWALL RETURN GRILLE	ALUMINUM	WHITE	14" x 10"	14" x 10"	HORIZONTAL FRONT BLADES, COORDINATE THE EXACT MOUNTING HEIGHT WITH ARCHITECT
DA-8/4	PRICE	630L	SIDEWALL RETURN GRILLE	ALUMINUM	WHITE	8" x 4"	8" x 4"	HORIZONTAL FRONT BLADES, COORDINATE THE EXACT MOUNTING HEIGHT WITH ARCHITECT
DA-10/4	PRICE	630L	SIDEWALL RETURN GRILLE	ALUMINUM	WHITE	<varies>	<varies>	HORIZONTAL FRONT BLADES, COORDINATE THE EXACT MOUNTING HEIGHT WITH ARCHITECT
DA-14/10	PRICE	630L	SIDEWALL RETURN GRILLE	ALUMINUM	WHITE	14" x 10"	14" x 10"	HORIZONTAL FRONT BLADES, COORDINATE THE EXACT MOUNTING HEIGHT WITH ARCHITECT
DA-18/8	PRICE	630L	SIDEWALL RETURN GRILLE	ALUMINUM	WHITE	20" x 8"	20" x 8"	HORIZONTAL FRONT BLADES, COORDINATE THE EXACT MOUNTING HEIGHT WITH ARCHITECT
DA-40/24	PRICE	630L	SIDEWALL RETURN GRILLE	ALUMINUM	WHITE	40 x 24	40 x 24	HORIZONTAL FRONT BLADES, COORDINATE THE EXACT MOUNTING HEIGHT WITH ARCHITECT
E-08	COOK	PR-08	EXHAUST RELIEF OA INTAKE	ALUMINUM	-	08	8" x 8"	ROOF CURB, BACKDRAFT DAMPER
E-08	GREENHECK	GRS-08	EXHAUST RELIEF OA INTAKE	ALUMINUM	-	08	8" x 8"	ROOF CURB, BACKDRAFT DAMPER (EXHAUST RELIEF ONLY)
E-12	COOK	PR-12	EXHAUST RELIEF OA INTAKE	ALUMINUM	-	12	12" x 12"	ROOF CURB, BACKDRAFT DAMPER
E-12	GREENHECK	GRS-12	EXHAUST RELIEF OA INTAKE	ALUMINUM	-	12	12" x 12"	ROOF CURB, BACKDRAFT DAMPER (EXHAUST RELIEF ONLY)
E-24	COOK	PR-24	EXHAUST RELIEF OA INTAKE	ALUMINUM	-	24	24" x 24"	ROOF CURB, BACKDRAFT DAMPER
E-36	GREENHECK	GRS-36	EXHAUST RELIEF OA INTAKE	ALUMINUM	-	36	36" x 36"	ROOF CURB, BACKDRAFT DAMPER (EXHAUST RELIEF ONLY)
G-18/18	POTTORFF	ECD-635	WIND DRIVEN RAIN LOUVER	ALUMINUM	-	18 x 18	18 x 18	BACKDRAFT DAMPER, COLOR BY ARCHITECT, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT
H-24L	GREENHECK	XG-6615	LINEAR SLOT DIFFUSER	ALUMINUM	WHITE	24"	06" Ø	2-1.5" SLOTS, LAY IN FRAME, XG-UP PLENUM, BLANK OFF STRIP IN LIEU OF PLENUM AS NEEDED
H-36L	GREENHECK	XG-6615	LINEAR SLOT DIFFUSER	ALUMINUM	WHITE	36"	08" Ø	2-1.5" SLOTS, LAY IN FRAME, XG-UP PLENUM, BLANK OFF STRIP IN LIEU OF PLENUM AS NEEDED
H-36S	GREENHECK	XG-6615	LINEAR SLOT DIFFUSER	ALUMINUM	WHITE	36"	08" Ø	2-1.5" SLOTS, SUSPENDED FRAME, XG-UP PLENUM, BLANK OFF STRIP IN LIEU OF PLENUM AS NEEDED
H-48S	GREENHECK	XG-6615	LINEAR SLOT DIFFUSER	ALUMINUM	WHITE	48"	10" Ø	2-1.5" SLOTS, SUSPENDED FRAME, XG-UP PLENUM, BLANK OFF STRIP IN LIEU OF PLENUM AS NEEDED
H-60L	GREENHECK	XG-6615	LINEAR SLOT DIFFUSER	ALUMINUM	WHITE	60"	10" Ø	2-1.5" SLOTS, LAY IN FRAME, XG-UP PLENUM, BLANK OFF STRIP IN LIEU OF PLENUM AS NEEDED
H-60S	GREENHECK	XG-6615	LINEAR SLOT DIFFUSER	ALUMINUM	WHITE	60"	10" Ø	2-1.5" SLOTS, SUSPENDED FRAME, XG-UP PLENUM, BLANK OFF STRIP IN LIEU OF PLENUM AS NEEDED
SDG-12/6	PRICE	620L	SIDEWALL SUPPLY GRILLE	ALUMINUM	WHITE	12 X 6	12 X 6	HORIZONTAL FRONT BLADES, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT
SDG-12/10	PRICE	620L	SIDEWALL SUPPLY GRILLE	ALUMINUM	WHITE	12 X 10	12 X 10	HORIZONTAL FRONT BLADES, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT
SDG-18/8	PRICE	SDG	SIDEWALL SUPPLY GRILLE	ALUMINUM	WHITE	18" x8"	18" x8"	HORIZONTAL FRONT BLADES, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT

AIR HANDLING UNITS

DESIGN		FAN					COIL (DX COOLING)										FILTER DATA	PHYSICAL INFORMATION (MAX)				DESIGN NOTES							
Unit Tag	Basis Of Design	Configuration	Type	Location	Serving	Ext SP (in.H2O)	TSP (in.H2O)	Airflow (SCFM)	OA Max (SCFM)	Motor Power	Fans (Qty)	Total Motor Power	Voltage	MCA	Rows	Fin Spacing	Capacity Sensible (MBH)	Capacity Total (MBH)	Velocity (ft/min)	Entering Temp DB (°F)	Entering Temp WB (°F)	Leaving Temp DB (°F)	Leaving Temp WB (°F)	FILTER	Length (Inches)	Width (Inches)	Height (Inches)	Weight (Lbs)	
AHU #1	DAIKIN	HORIZONTAL	VAV	INDOOR	CLASSROOMS	1.5	2.92	11,000	1,100	7.5	2	15	208V 3PH	37.4	6	10	307718	469524	451	80	67	54.4	53	MERV 13	146	86	72	3,260	ALL

AIR COOLED CONDENSER SCHEDULE

MARK	SYSTEM TYPE	MANUFACTURER USED IN DESIGN: DAIKIN MODEL NO.	ELECTRICAL VOLTAGE/ PHASE	MCA	COOLING CAPACITY (MBTUH)	AMBIENT	COMPRESSORS	DIMENSIONS (LxWxH)	UNIT WEIGHT (LB.)	CONNECTED AIR HANDLERS	ACCESSORIES:
A	COOLING	RCS045D	208V 3PH	200	485110	105F	4	80 X 99 X 73	2470	AHU # 1	COIL HAIL GUARD, LOW AMBIENT CONTROL, TERMINAL STRIP, DISCONNECT, SPRING VIBRATION ISOLATORS, 115V CONVICENCE OUTLET, HOT GAS BYPASS OR RAWAL VALVE, OIL SEPERATOR

A. AC#1

AIR IONIZER SCHEDULE

DESIGN MANUFACTURER	MODEL	MINIMUM CFM	MAXIMUM CFM	REMARKS PROVIDE
PHENOMENAL AIRE	C6	0	6,000	UL 2998 CERTIFIED, SELF CLEANING, 24V POWER
PHENOMENAL AIRE	C10	6,001	10,000	UL 2998 CERTIFIED, SELF CLEANING, 24V POWER
PHENOMENAL AIRE	C15	10,001	15,000	UL 2998 CERTIFIED, SELF CLEANING, 24V POWER
PHENOMENAL AIRE	C20	15,001	20,000	UL 2998 CERTIFIED, SELF CLEANING, 24V POWER

SHELTER LOUVER SCHEDULE

STORM LOUVER MARKS	DESIGN MANUFACTURE	MODEL	DESCRIPTION	MODULE SIZE	CFM	MAX PRES DROP	MOUNTING STYLE	REMARKS PROVIDE
SL18/18	POTTORFF	XAV-545	STORM LOUVER	18" x 18"		0.25		EXTENDED SILL AS NECESSARY, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT
SL-24/24	POTTORFF	XAV-545	STORM LOUVER	24" x 24"	775	0.25		EXTENDED SILL AS NECESSARY, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT
SL-36/36	POTTORFF	XAV-545	STORM LOUVER	36" x 36"	2400	0.25		EXTENDED SILL AS NECESSARY, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT
SL-48/48	POTTORFF	XAV-545	STORM LOUVER	48" x 48"	5000	0.25		EXTENDED SILL AS NECESSARY, COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT

VARIABLE FREQUENCY DRIVES (VFD)

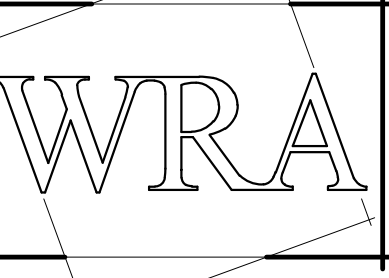
TAG	SYSTEM	HORSEPOWER (HP)	MANUFACTURER	LOCATION
AHU #1	VAV AHU	15	DANFOSS	MECH ROOM

REMARKS:

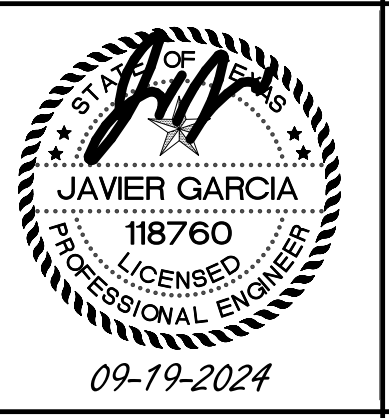
- 1- PROVIDE VFDS WITH BACNET INTERFACE CARD
- 2- VFDS SHALL INCLUDE DISCONNECT AND INTERNAL BYPASS
- 3- COORDINATE WITH EQUIPMENT MANUFACTURER ON SUBMITTED MOTOR SIZE
- 4- EACH VFD SHALL INCLUDE COOL BLUE INDUCTIVE ABSORBER KIT



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No.	Addendum	Date
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MECHANICAL SCHEDULES

MH801

Project Information

Energy Code: 2018 IECC
Project Title: Castleberry
Location: Fort Worth, Texas
Climate Zone: 3a
Project Type: Addition

Construction Site: 213 Churchill Rd, Fort Worth, Texas 76114
Owner/Agent: EMA, Texas
Designer/Contractor: Jonathan Ball, EMA, 226 S Broadway Ave, Tyler, Texas 75702

Mechanical Systems List

Quantity System Type & Description
3 RTU-3T (Unknown): Heating 1 each - Central Furnace, Gas, Capacity = 65 kBtu/h...
1 RTU-3TB (Single Zone): Heating 1 each - Central Furnace, Gas, Capacity = 65 kBtu/h...
14 RTU-4TA (Single Zone): Heating 1 each - Central Furnace, Gas, Capacity = 65 kBtu/h...
1 RTU-4TB (Single Zone): Heating 1 each - Central Furnace, Gas, Capacity = 65 kBtu/h...
16 RTU-5T (Single Zone): Heating 1 each - Central Furnace, Gas, Capacity = 65 kBtu/h...
1 RTU-6T (Single Zone): Heating 1 each - Central Furnace, Gas, Capacity = 108 kBtu/h...
11 RTU-5TA (Single Zone): Heating 1 each - Central Furnace, Gas, Capacity = 130 kBtu/h...
3 RTU-5TB (Single Zone): Heating 1 each - Central Furnace, Gas, Capacity = 130 kBtu/h...
2 RTU-10TA (Unknown): Heating 1 each - Central Furnace, Gas, Capacity = 195 kBtu/h...
3 RTU-12.5T (Single Zone): Heating 1 each - Central Furnace, Gas, Capacity = 195 kBtu/h...
1 HP-AH-3T (Single Zone): Heating 1 each - Other, Gas, Capacity = 36 kBtu/h...

Project Title: Castleberry Report date: 09/04/24
Data filename: Page 1 of 11

Quantity System Type & Description
1 HP-AH-4T (Unknown): Heating 1 each - Other, Gas, Capacity = 35 kBtu/h...
7 HP-AH-5T (Unknown): Heating 1 each - Other, Gas, Capacity = 56 kBtu/h...
1 HP-AH-3T (Single Zone): Heating 1 each - Other, Gas, Capacity = 36 kBtu/h...

Project Title: Castleberry Report date: 09/04/24
Data filename: Page 2 of 11

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jonathan Ball, 9/4/2024
Name: Title Signature Date

Project Title: Castleberry Report date: 09/04/24
Data filename: Page 3 of 11

SPLIT SYSTEM SCHEDULE - HEAT PUMP1

Table with columns: HP MARKS, DESIGN MANUFACTURER, MODEL, TONS, E.S.P. (IN. W.C.), SEER | I.E.E.R., E.E.R., HSPF | COP, FAN CFM (HIGH SPEED, LOW SPEED), OUTSIDE AIR CFM, DX COOLING (TOTAL, SENSIBLE, CAPACITY), DX HEATING WITH ELEC. AUX. HEAT (HEATING CAPACITY, AUX. HEATING), ELECTRICAL (VOLT., PHASE, MCA, MOCP), UNIT WEIGHT (LBS), REMARKS | PROVIDE, HP TAGS.

SPLIT HP REMARKS | PROVIDE

- 1. 2" FILTER RACK WITH MERV 8 FILTERS
2. SINGLE POINT POWER
3. AIR IONIZER
4. MOTORIZED OUTSIDE AIR DAMPER
5. CRANKCASE HEATER
6. FREEZE THERMOSTAT
7. R-410A REFRIGERANT
8. TWO STAGE COMPRESSOR
9. MULTIPLE COMPRESSORS
10. HAIL COIL GUARD
11. THERMAL EXPANSION VALVE

FAN SCHEDULE

Table with columns: FAN MARKS, DESIGN MANUFACTURER, MODEL, TONS, E.S.P. (IN. W.C.), FAN CFM, ELECTRICAL (VOLT., PHASE, HP | WATTS, SONES), WEIGHT (LBS), FAN CONTROL, FAN SYSTEM TYPE, REMARKS | PROVIDE, CEILING FAN (CF), HIGH VOLUME-LOW SPEED FAN (HF), INLINE FAN (IF), ROOF FAN (RF) TAGS.

FAN REMARKS | PROVIDE

- 1. EC MOTOR WITH MOUNTED SPEED CONTROLLER FOR BALANCING ONLY
2. EC MOTOR FOR CONNECTION TO EMCS (CONTROLLER & TRANSFORMER BY CONTROLS CONTRACTOR)
3. EC MOTOR FOR CONNECTION TO HODD (CONTROLLER & TRANSFORMER BY KITCHEN CONTRACTOR)
4. FACTORY MOUNTED NON-FUSED DISCONNECT
5. BACKDRAFT DAMPER
6. HANGING ISOLATOR KIT
7. WHITE ALUMINUM GRILLE
8. BOLTED ACCESS PANELS
9. BIRD SCREEN
10. 18" HIGH ROOF CURB
11. VENTED ROOF CURB
12. GREASE CAPTURE AND CONTAINMENT
13. ACID RESISTANT
14. SOFT STARTER OR VFD FOR MOTOR

VARIABLE AIR VOLUME SCHEDULE - ELECTRIC

Table with columns: zzzzzz, DESIGN MANUFACTURER, MODEL, MODULE SIZE, E.S.P. (IN. W.C.), FAN CFM (HIGH SPEED, LOW SPEED), ELECTRICAL HEATING (HEAT CFM, CAPACITY (KW), CAPACITY (BTUH)), ELECTRICAL (VOLTAGE, PHASE, MOCP), UNIT WEIGHT (LBS), REMARKS | PROVIDE, VAV TAGS.

SMALL CAPACITY SPLIT SYSTEM SCHEDULE

Table with columns: MS MARKS, DESIGN MANUFACTURER, MODEL, TONS, SEER, E.E.R., FAN CFM (HIGH SPEED, LOW SPEED), COOLING CAPACITY (MBTUH), ELECTRICAL (VOLT., PHASE, MCA, MOCP), UNIT WEIGHT (LBS), REMARKS | PROVIDE, MS TAGS.

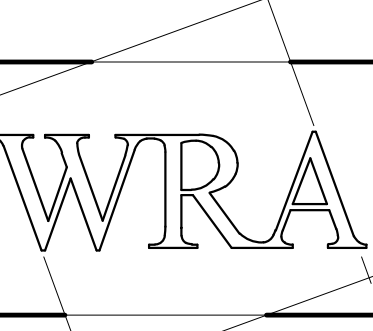
2020 ICC 500 - SHELTER VENTILATION SCHEDULE

Table with columns: SHELTER LOCATION, SHELTER SQ FT, SHELTER OCC DENSITY, SHELTER ZONE POPULATION, SHELTER CFM PER PERSON, SHELTER SQ FT PER PERSON, SHELTER OA CFM REQUIRED.

Dispersion Information (Velocity of 150, 100, 50 FPM)

Table with columns: Tag #, CFM Dispersed, Dispersion Type, Dispersion Set 1, Dispersion Set 2.

Project Title: Castleberry Report date: 09/04/24
Data filename: Page 3 of 11



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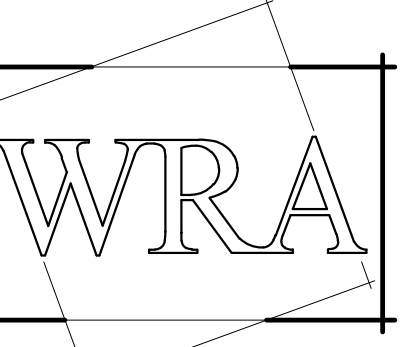


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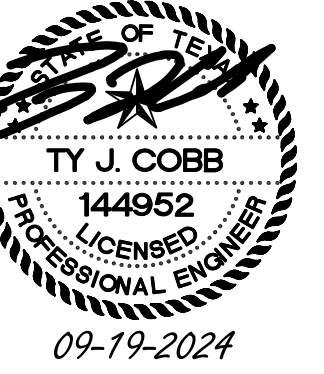
Table with columns: No., Addendum, Date.

Table with columns: MECHANICAL SCHEDULES, MH802.

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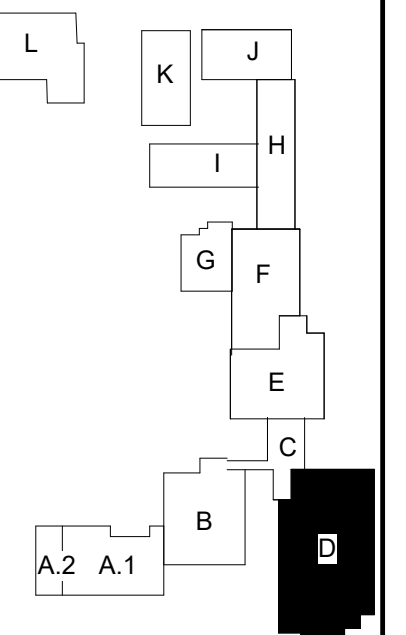


PLUMBING DEMOLITION GENERAL NOTES

1. CONTRACTOR TO VISIT SITE AND BE FAMILIAR WITH BUILDING MECHANICAL AND ELECTRICAL LAYOUTS.
2. ALL MATERIAL, EQUIPMENT, DUCTS, PIPE, ETC. TO BE REMOVED SHALL BE DISPOSED OF OFF SITE IN A LEGAL AND LAWFUL MANNER.
3. CAP ANY UNUSED PIPE AT FLOOR, WALL, OR CEILING. REMOVE MATERIAL NOT BEING REUSED.
4. IF ASBESTOS IS FOUND, CONTACT OWNER IMMEDIATELY. DO NOT WORK IN ANY AREA SUSPECTED TO CONTAIN ASBESTOS.
5. ALL EXISTING EQUIPMENT SHOWN IN APPROXIMATE LOCATION. ALL EXISTING CONCEALED PIPING SHOWN IS BASED ON THE MOST RECENT EXISTING M.E.P. AND CIVIL DRAWINGS AVAILABLE. FIELD VERIFY.
6. TAKE CARE NOT TO DESTROY INSULATION VALUE TO ANY WATER PIPING BEING REUSED. REPAIR AS NECESSARY.
7. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES AND RELOCATE AS REQUIRED BY NEW CONSTRUCTION.

PLUMBING DEMOLITION PLAN NOTES

P33 EXISTING PLUMBING FIXTURE(S) SHALL REMAIN

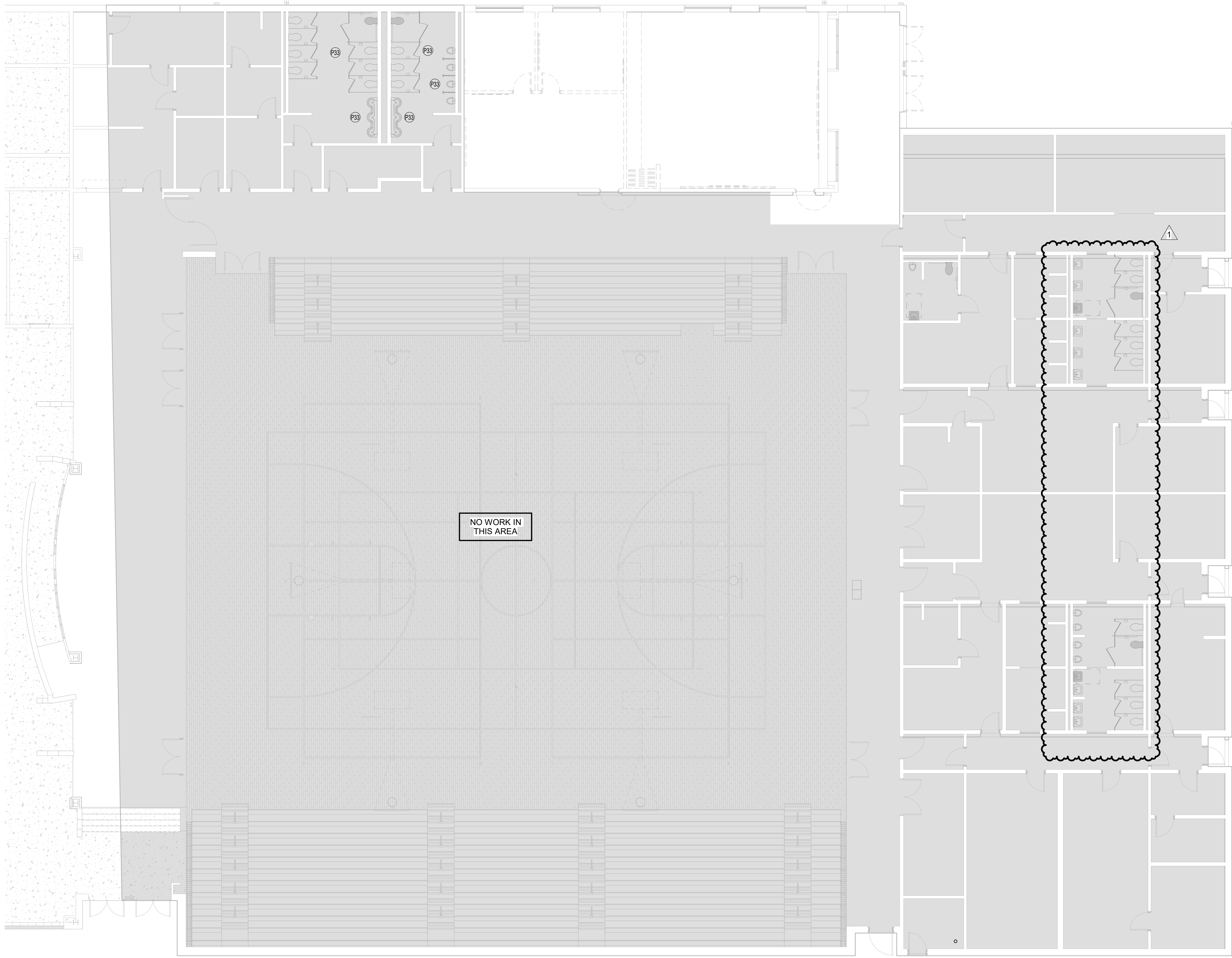


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No.	Date
1 Addendum 1	9/19/2024

JOB NO.	2399
DATE:	09/19/2024

PLUMBING DEMOLITION FLOOR PLAN LEVEL 0 UNIT D
PD201

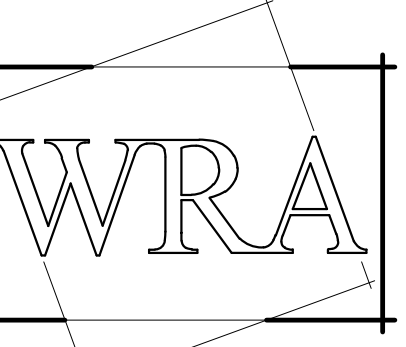


NO WORK IN THIS AREA

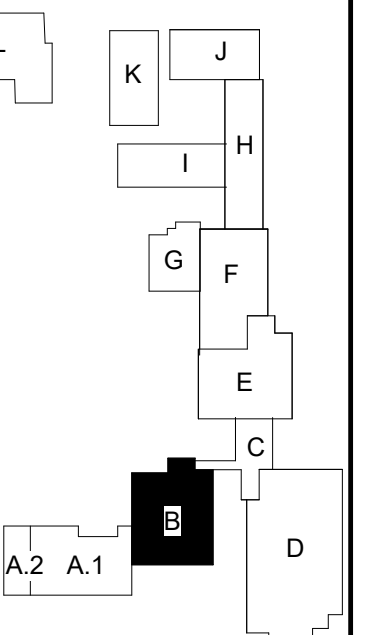
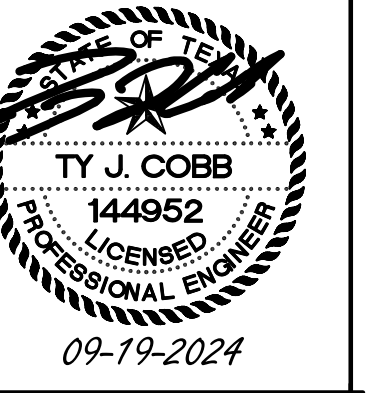
1 PLUMBING DEMOLITION FLOOR PLAN - LEVEL 0 UNIT D
 1/8" = 1'-0"



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PLUMBING PLAN NOTES

- P1 TWO-WAY CLEANOUT
- P2 ONE-WAY CLEANOUT
- P3 WALL CLEANOUT
- P4 DOWN IN WALL/CHASE
- P9 DOWN TO BELOW SLAB
- P15 CONDENSATE DRAIN CLEANOUT
- P16 CONDENSATE DRAIN DOWN IN WALL, TIE-IN TO P-TRAP AT SINK WITH TAILPIECE
- P17 CONDENSATE DRAIN DOWN TO MOP SINK/FLOOR SINK/HUB DRAIN
- P19 CONDENSATE DRAIN FROM WALL UNIT. LINE PRESSURIZED FROM INTERNAL CONDENSATE PUMP. (ROUTE SEPARATELY FROM GRAVITY SYSTEMS OR TIE INTO TOP OF GRAVITY PIPE)
- P20 DOWN TO CONNECTION
- P49 DOWN FROM LEVEL ABOVE

PLUMBING GENERAL NOTES

1. SEE SHEET PL701 FOR GENERAL NOTES APPLICABLE TO THE ENTIRE DRAWING SET.

ALL DOMESTIC HOT WATER SHALL MEET 2015 IECC HOT WATER REQUIREMENTS.
AT LOCATIONS OF HOT WATER LOOP PIPING GOING DOWN IN WALL AND BACK UP, PROVIDE 1/2" HOT WATER TO CONNECT TO EACH HAND SINK/LAVATORY. HOT WATER LOOP PIPING SHALL BE WITHIN 2'-0" OF THE CONNECTION TO THE FIXTURE, PER 2015 IECC. PROVIDE 3/4" TO CONNECT TO EACH LAVATORY STATION.

REFERENCE SPECIFICATION SECTION 13 26 13 FOR STORM RATED ROOF DRAINS. VENT THROUGH ROOF AND WALL/ROOF PENETRATION PROTECTION PRODUCTS.

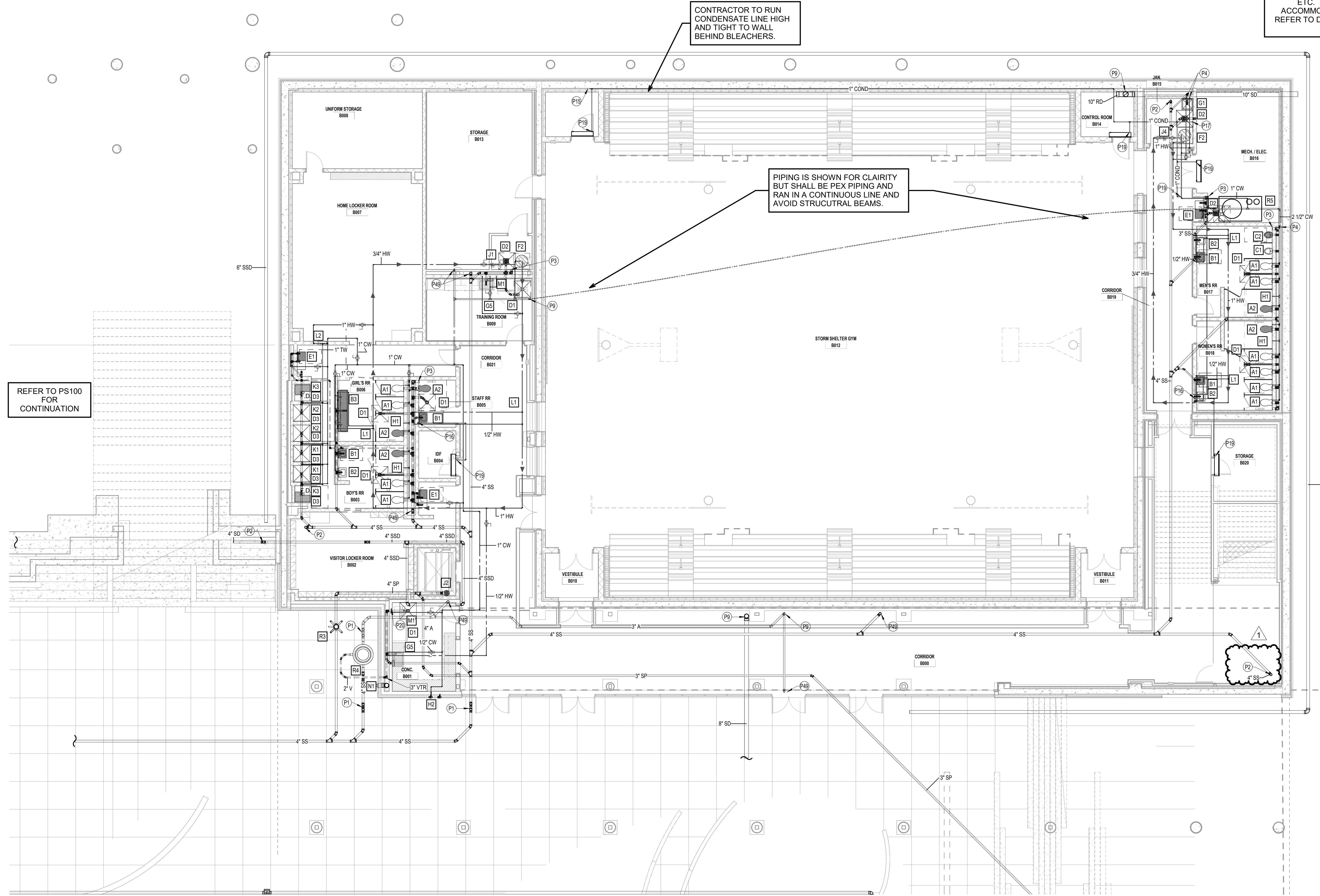
PLUMBING CONTRACTOR SHALL PROVIDE APOLLO 34D SERIES MIXING VALVE AT EACH SINK IN LABS TO PRODUCE COLD AND TEMPERED WATER TO FAUCETS. ALL SINKS AND FAUCETS IN SCIENCE LABS ARE TO BE PROVIDED BY SCIENCE LAB CASEWORK SUPPLIER. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL ACID P-TRAP AND SUPPLY WITH STOP AND ALL NECESSARY CONNECTIONS.

CONTRACTOR TO PROVIDE ICC500 TORNADO RATED PENETRATION PROTECTION AT ALL STORM SHELTER ENVELOPE PENETRATIONS OVER 2 1/16" DIAMETER. THESE INCLUDE BUT NOT LIMITED TO DUCTS, REFRIGERANT PIPING, POWER AND DATA CONDUITS, ROOF DRAINS, PLUMBING VENTS, DOMESTIC WATER PIPING, SPRINKLER PIPING, GAS PIPING, ETC. PENETRATION PROTECTION TO BE SIZED TO ACCOMMODATE PIPING AND ANY REQUIRED INSULATION. REFER TO DIVISION 13 FOR PENETRATION PROTECTION SPECIFICATIONS.

CONTRACTOR TO RUN CONDENSATE LINE HIGH AND TIGHT TO WALL BEHIND BLEACHERS.

PIPING IS SHOWN FOR CLAIRITY BUT SHALL BE PEX PIPING AND RAN IN A CONTINUOUS LINE AND AVOID STRUCTURAL BEAMS.

REFER TO PS 100 FOR CONTINUATION



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1	Addendum 1	9/19/2024

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DATE: 09/19/2024

PLUMBING FLOOR PLAN LEVEL 0 UNIT B

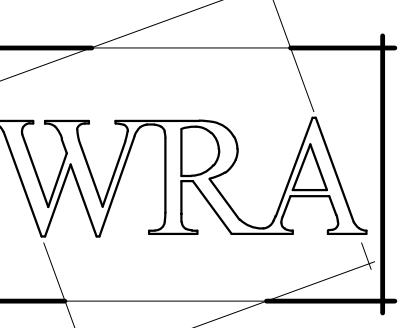
PL203

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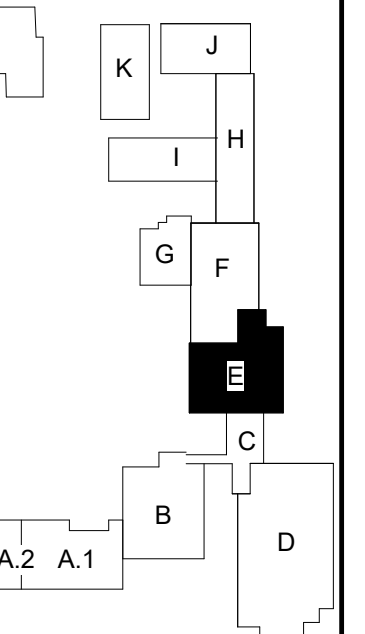
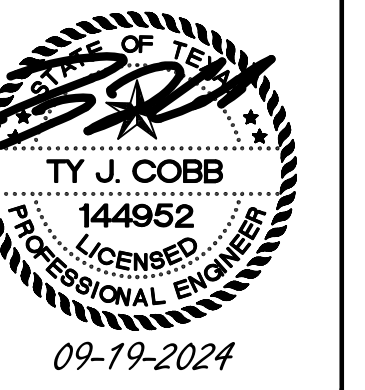
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PLUMBING GENERAL NOTES

1. SEE SHEET PL701 FOR GENERAL NOTES APPLICABLE TO THE ENTIRE DRAWING SET.

ALL DOMESTIC HOT WATER SHALL MEET 2015 IECC HOT WATER REQUIREMENTS. AT LOCATIONS OF HOT WATER LOOP PIPING GOING DOWN IN WALL AND BACK UP, PROVIDE 1/2" HOT WATER TO CONNECT TO EACH HAND SINK/LAVATORY. HOT WATER LOOP PIPING SHALL BE WITHIN 2'-0" OF THE CONNECTION TO THE FIXTURE, PER 2015 IECC. PROVIDE 3/4" TO CONNECT TO EACH LAVATORY STATION.

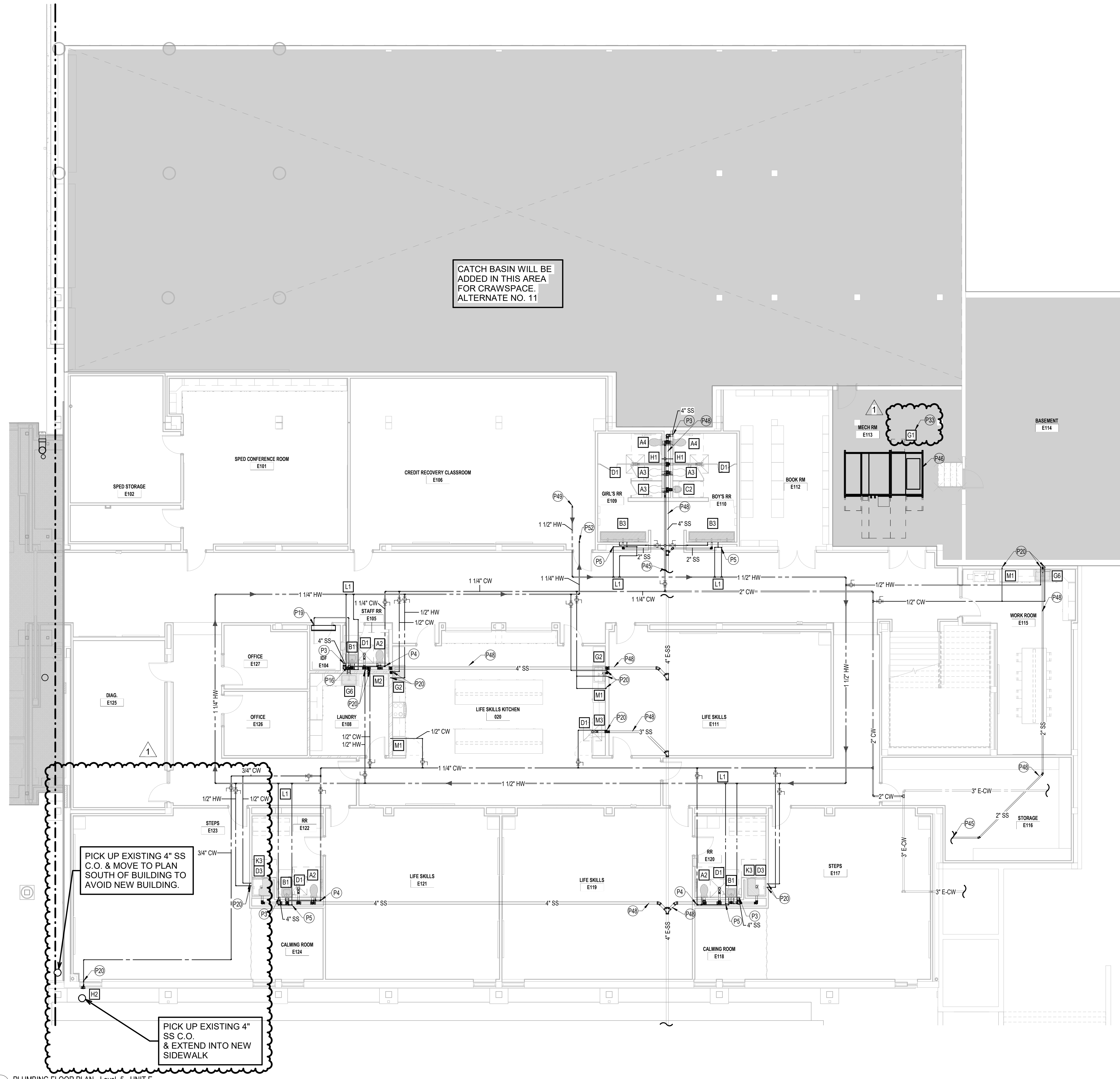
REFERENCE SPECIFICATION SECTION 13 26 13 FOR STORM RATED ROOF DRAINS, VENT THROUGH ROOF AND WALL/ROOF PENETRATION PROTECTION PRODUCTS.

PLUMBING CONTRACTOR SHALL PROVIDE APOLLO 34D SERIES MIXING VALVE AT EACH SINK IN LABS TO PRODUCE COLD AND TEMPERED WATER TO FAUCETS. ALL SINKS AND FAUCETS IN SCIENCE LABS ARE TO BE PROVIDED BY SCIENCE LAB CASEWORK SUPPLIER. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL ACID P-TRAP AND SUPPLY WITH STOP AND ALL NECESSARY CONNECTIONS.

ALL SOIL, WASTE, VENT, AND SANITARY PIPING MUST BE ROUTED USING CAST IRON IN RENOVATED AREAS C, E, F, AND H.

PLUMBING PLAN NOTES

- P3 WALL CLEANOUT
- P4 DOWN IN WALL/CHASE
- P5 HOT WATER LOOP DOWN IN WALL/CHASE TO WITHIN 2'-0" OF LAVATORY PER IECC, THEN BACK UP TO ABOVE CEILING.
- P16 CONDENSATE DRAIN DOWN IN WALL, TIE-IN TO P-TRAP AT SINK WITH TAILPIECE
- P19 CONDENSATE DRAIN FROM WALL UNIT. LINE PRESSURIZED FROM INTERNAL CONDENSATE PUMP. (ROUTE SEPARATELY FROM GRAVITY SYSTEMS OR TIE INTO TOP OF GRAVITY PIPE)
- P20 DOWN TO CONNECTION
- P33 EXISTING PLUMBING FIXTURE(S) SHALL REMAIN
- P45 TIE INTO EXISTING (FIELD VERIFY EXACT LOCATION)
- P46 CONNECT EXISTING CONDENSATE PIPING TO NEW AIR HANDLER/ROOFTOP UNIT. MODIFY/EXTEND EXISTING PIPING AS NECESSARY
- P48 SAW-CUT EXISTING SLAB FOR INSTALLATION OF NEW SANITARY SEWER. PATCH TO MATCH EXISTING AS NECESSARY. CONTRACTOR TO REFER/ COORDINATE WITH STRUCTURAL CONTRACTOR FOR DETAIL.
- P49 DOWN FROM LEVEL ABOVE
- P52 UP TO LEVEL ABOVE

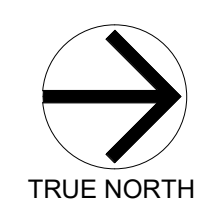


CATCH BASIN WILL BE ADDED IN THIS AREA FOR CRAWSPACE. ALTERNATE NO. 11

REFERENCE PL206 FOR CONTINUATION

PICK UP EXISTING 4" SS C.O. & MOVE TO PLAN SOUTH OF BUILDING TO AVOID NEW BUILDING.

PICK UP EXISTING 4" SS C.O. & EXTEND INTO NEW SIDEWALK



1 PLUMBING FLOOR PLAN - Level 5 - UNIT E
1/8" = 1'-0"

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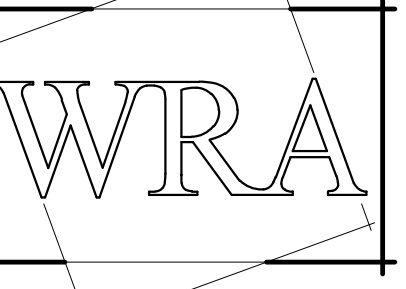
JOB NO. 2399
DATE: 09/19/2024
PLUMBING FLOOR PLAN LEVEL 0.5 UNIT E

PL210

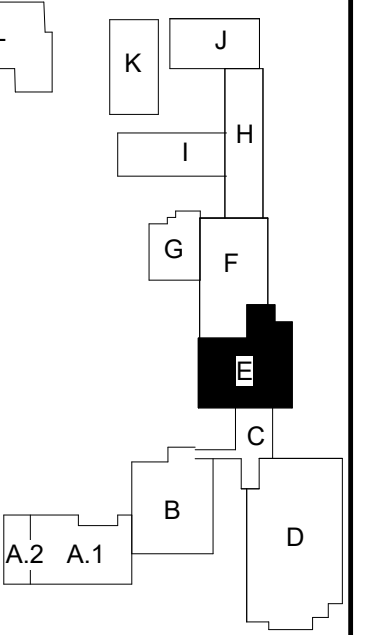
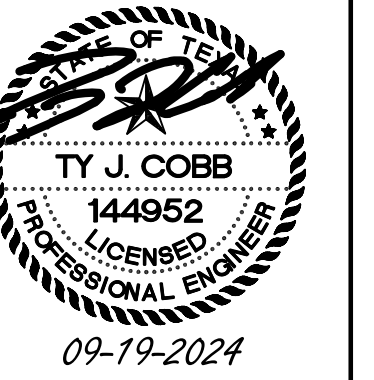
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No.	Date
1	9/19/2024

JOB NO.	2399
DATE:	09/19/2024
PLUMBING FLOOR PLAN LEVEL 1 UNIT E	
PL211	
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PLUMBING GENERAL NOTES

1. SEE SHEET PL701 FOR GENERAL NOTES APPLICABLE TO THE ENTIRE DRAWING SET.

ALL DOMESTIC HOT WATER SHALL MEET 2015 IECC HOT WATER REQUIREMENTS.
AT LOCATIONS OF HOT WATER LOOP PIPING GOING DOWN IN WALL AND BACK UP, PROVIDE 1/2" HOT WATER TO CONNECT TO EACH HAND SINK/LAVATORY. HOT WATER LOOP PIPING SHALL BE WITHIN 2'-0" OF THE CONNECTION TO THE FIXTURE, PER 2015 IECC. PROVIDE 3/4" TO CONNECT TO EACH LAVATORY STATION.

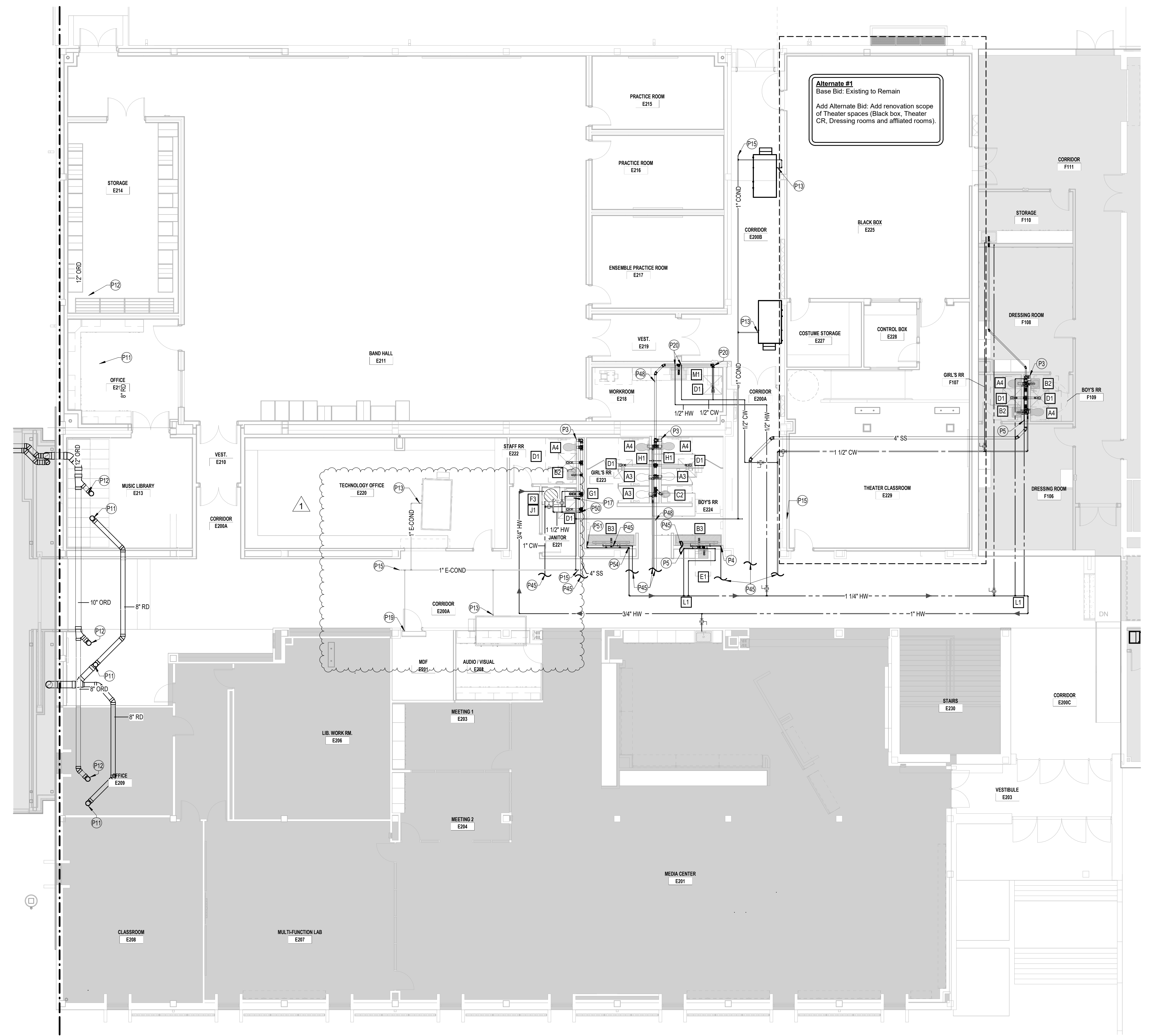
REFERENCE SPECIFICATION SECTION 13.26.13 FOR STORM RATED ROOF DRAINS. VENT THROUGH ROOF AND WALL/ROOF PENETRATION PROTECTION PRODUCTS.

PLUMBING CONTRACTOR SHALL PROVIDE APOLLO 34D SERIES MIXING VALVE AT EACH SINK IN LABS TO PRODUCE COLD AND TEMPERED WATER TO FAUCETS. ALL SINKS AND FAUCETS IN SCIENCE LABS ARE TO BE PROVIDED BY SCIENCE LAB CASEWORK SUPPLIER. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL ACID P-TRAP AND SUPPLY WITH STOP AND ALL NECESSARY CONNECTIONS.

ALL SOIL, WASTE, VENT, AND SANITARY PIPING MUST BE ROUTED USING CAST IRON IN RENOVATED AREAS C, E, F, AND H.

PLUMBING PLAN NOTES

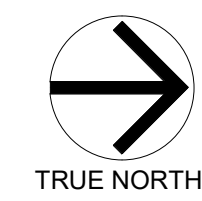
- P3 WALL CLEANOUT
- P4 DOWN IN WALL/CHASE
- P5 HOT WATER LOOP DOWN IN WALL/CHASE TO WITHIN 2'-0" OF LAVATORY PER IECC, THEN BACK UP TO ABOVE CEILING.
- P11 PRIMARY ROOF DRAIN
- P12 OVERFLOW ROOF DRAIN
- P13 CONDENSATE TIE-IN TO ROOFTOP UNIT WITH P-TRAP, DOWN THROUGH ROOF (TYPICAL EACH ROOFTOP UNIT)
- P15 CONDENSATE DRAIN CLEANOUT
- P17 CONDENSATE DRAIN DOWN TO MOP SINK/FLOOR SINK/HUB DRAIN
- P19 CONDENSATE DRAIN FROM WALL UNIT. LINE PRESSURIZED FROM INTERNAL CONDENSATE PUMP. (ROUTE SEPARATELY FROM GRAVITY SYSTEMS OR TIE INTO TOP OF GRAVITY PIPE)
- P20 DOWN TO CONNECTION
- P45 TIE INTO EXISTING (FIELD VERIFY EXACT LOCATION)
- P48 SAW-CUT EXISTING SLAB FOR INSTALLATION OF NEW SANITARY SEWER. PATCH TO MATCH EXISTING AS NECESSARY. CONTRACTOR TO REFER/COORDINATE WITH STRUCTURAL CONTRACTOR FOR DETAIL.
- P50 DOWN TO LEVEL BELOW
- P51 UP FROM LEVEL BELOW
- P54 UP TO HIGHER LEVEL CEILING SPACE



Alternate #1
Base Bid: Existing to Remain
Add Alternate Bid: Add renovation scope of Theater spaces (Black box, Theater CR, Dressing rooms and affiliated rooms).

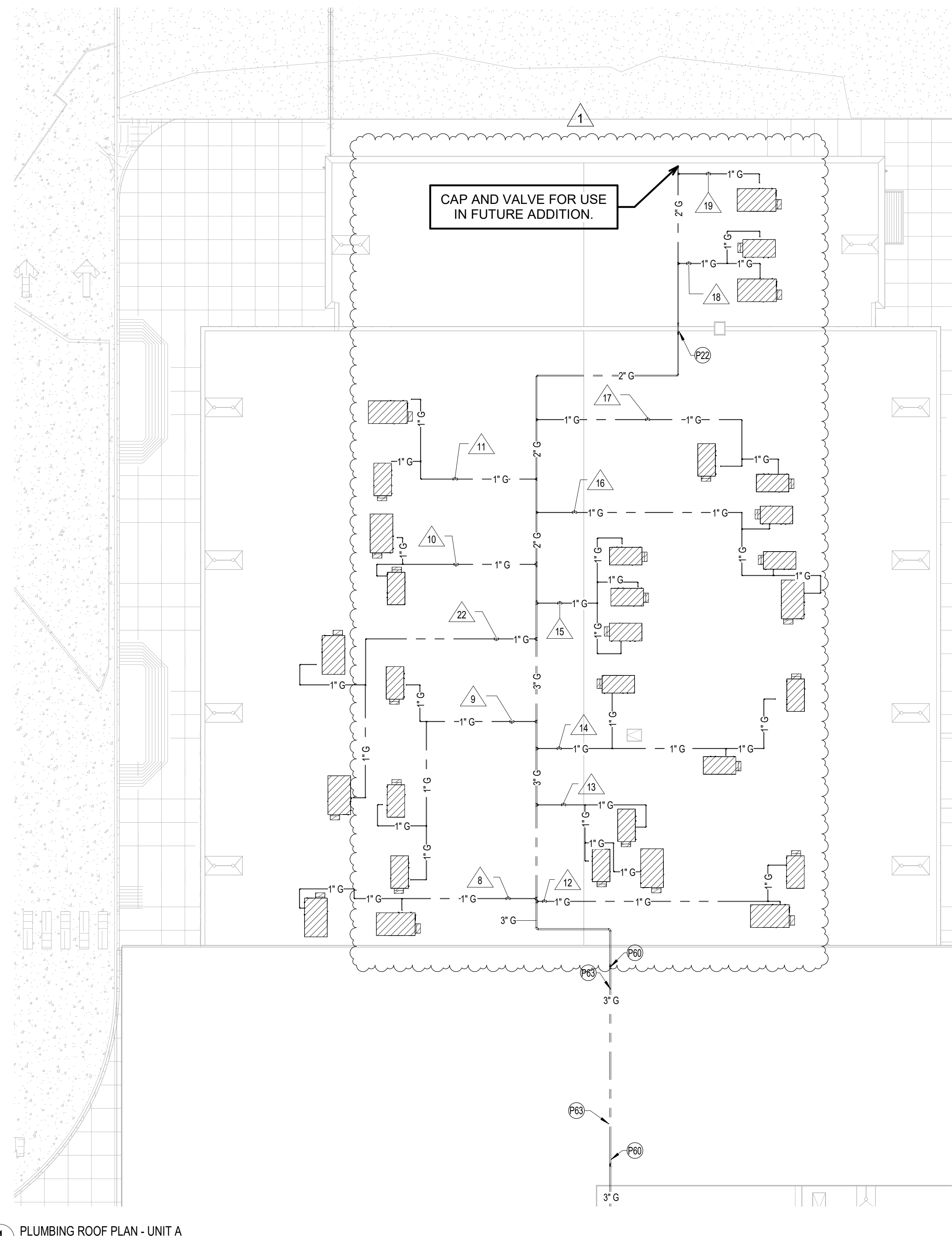
REFERENCE PL207 FOR CONTINUATION

REFERENCE PL212 FOR CONTINUATION

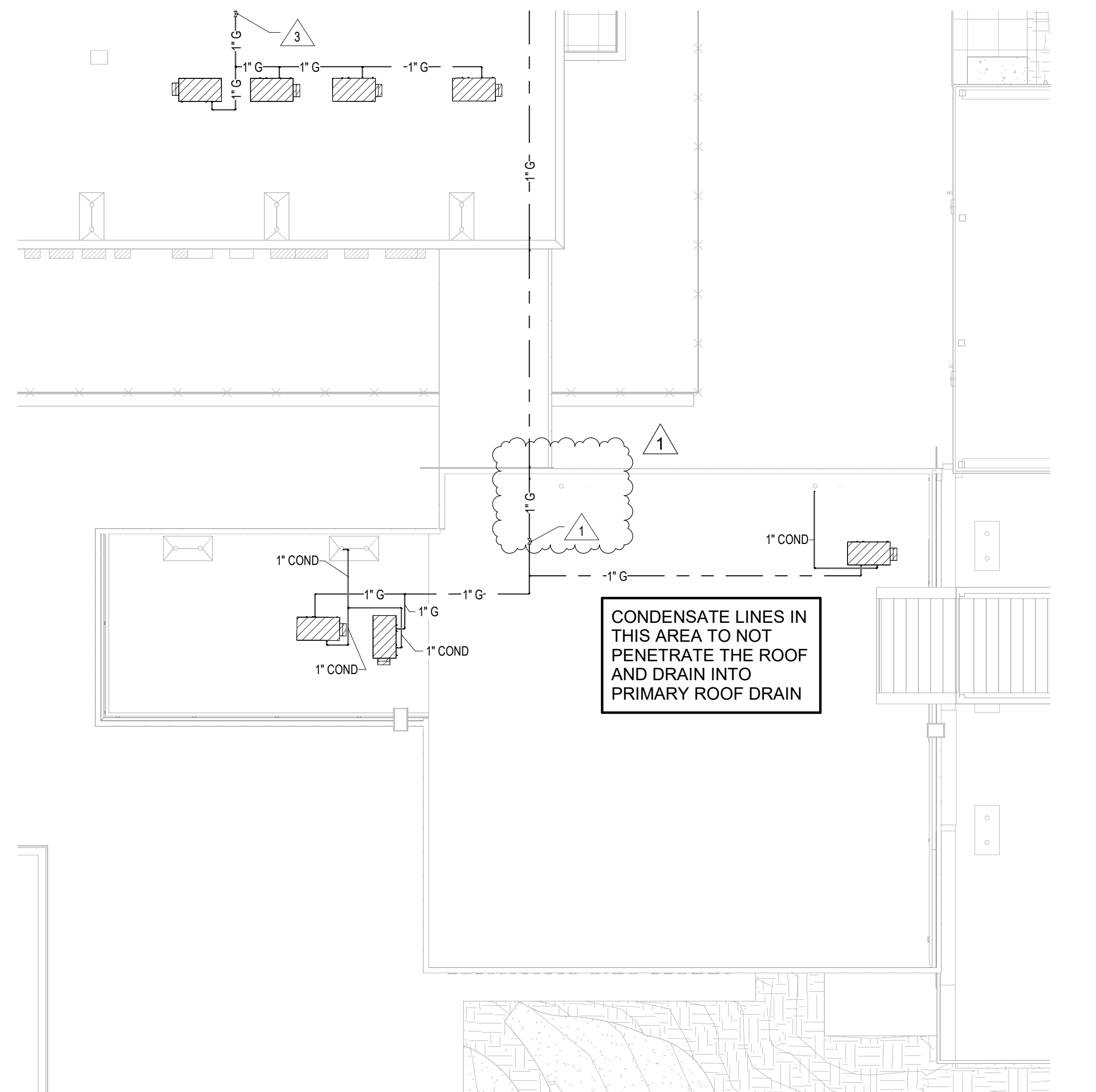


1 PLUMBING FLOOR PLAN - Level 1 - UNIT E
1/8" = 1'-0"

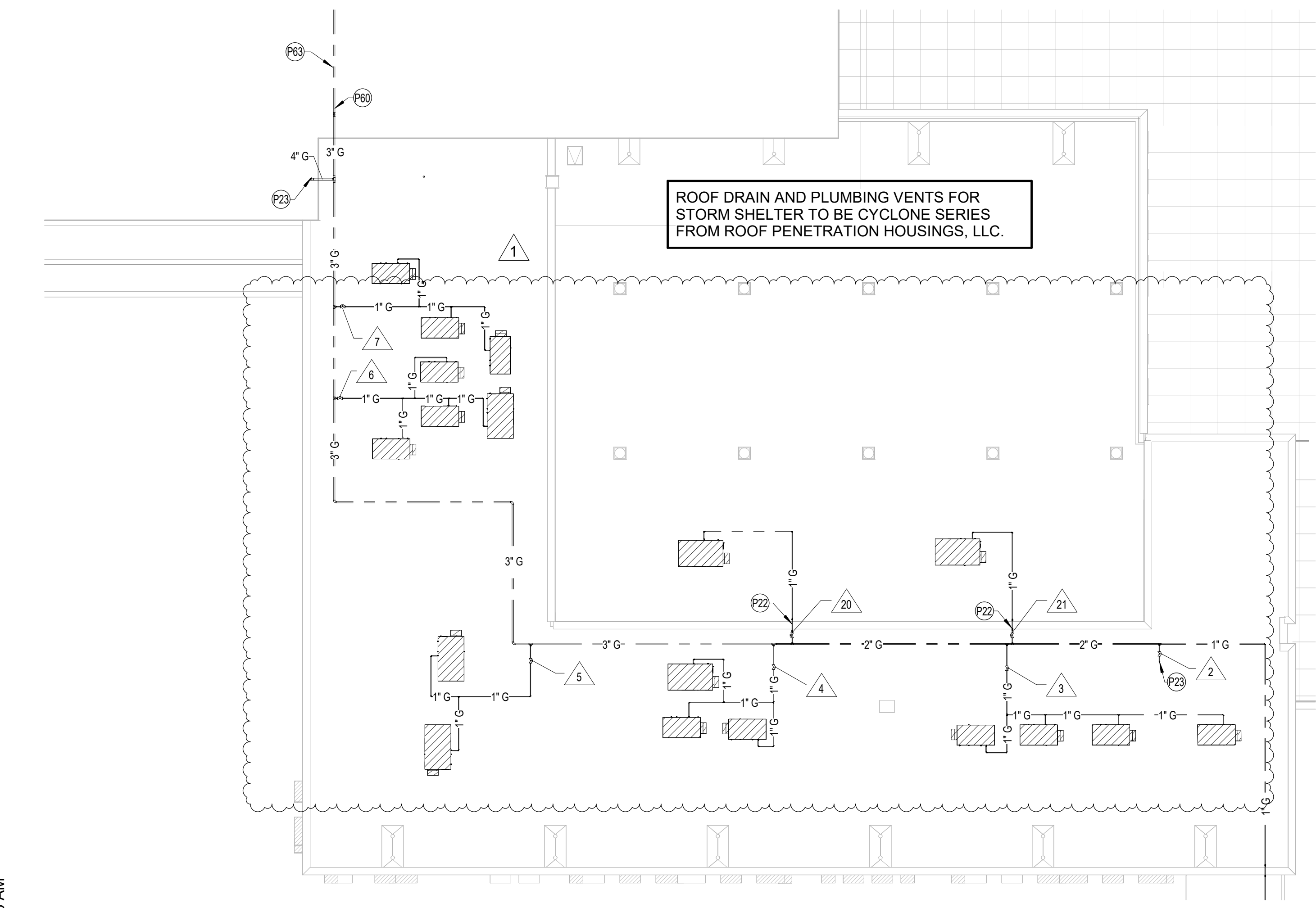
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1 065 0350 008



1 PLUMBING ROOF PLAN - UNIT A
1/16" = 1'-0"



3 PLUMBING ROOF PLAN - UNIT C
1/16" = 1'-0"



2 PLUMBING ROOF PLAN - UNIT B
1/16" = 1'-0"



4 PLUMBING ROOF PLAN - UNIT E
1/16" = 1'-0"

TYPE	C.F.H.
GAS LOAD ADDED TO SYSTEM	5005
TOTAL CONNECTED GAS LOAD	5005

GAS LOAD BREAKDOWN	
TYPE	C.F.H.
HVAC UNITS	4680
SCIENCE LABS	325
TOTAL CONNECTED GAS LOAD	5005

- PLUMBING GENERAL NOTES**
- SEE SHEET PL701 FOR GENERAL NOTES APPLICABLE TO THE ENTIRE DRAWING SET.
- PLUMBING ROOF GENERAL NOTES**
- FURNISH AND INSTALL CUTOFF VALVES UPSTREAM OF EACH GAS REGULATOR. FURNISH AND INSTALL CUTOFF VALVES AT EACH EQUIPMENT TIE-IN AND VERTICAL RISERS.
 - REFER TO HOODED ROOF PENETRATION DETAIL FOR PROPER ROOF PENETRATION.
 - ALL CUTOFF VALVES AND REGULATOR VENTS IN HORIZONTAL POSITION SHALL BE INSTALLED AT 3 OR 9 O'CLOCK POSITION.
 - REFER TO DETAILS FOR GAS REGULATOR DETAIL.
 - THIS DESIGN UTILIZES A CONVERSION FACTOR OF 1000 B.T.U.H. PER C.F.H.
 - MAINTAIN A MINIMUM OF 10'-0" FROM GAS REGULATORS AND ALL OUTDOOR AIR INTAKES.

- ROOF PIPE SUPPORTS SHALL BE FURNISHED AND INSTALLED AT REQUIRED SPACING.
- ALL EQUIPMENT GAS PIPE CONNECTIONS SHALL BE 1" NOMINAL PIPE SIZE UNLESS OTHERWISE NOTED.
- ALL CONDENSATE PIPE CONNECTIONS SHALL BE 1" NOMINAL PIPE SIZE. CONNECT TO EACH ROOFTOP UNIT WITH P-TRAP.
- PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL GAS COCK VALVES PRIOR TO CONNECTION TO EACH UNIT.

- PLUMBING PLAN NOTES**
- P22 GAS UP AND OVER
 - P23 SLEEVED DOWN/UP THRU ROOF IN HOODED ROOF PENETRATION
 - P36 EXISTING AIR HANDLER/ROOFTOP UNIT SHALL REMAIN
 - P37 DISCONNECT AND TEMPORARILY CAP EXISTING CONDENSATE PIPING TO RECEIVE NEW TIE-IN TO NEW AIR HANDLER/ROOFTOP UNIT
 - P39 DISCONNECT AND TEMPORARILY CAP EXISTING GAS PIPING TO RECEIVE NEW TIE-IN TO NEW AIR HANDLER/ROOFTOP UNIT
 - P45 TIE INTO EXISTING (FIELD VERIFY EXACT LOCATION)
 - P60 SLEEVED IN WALL
 - P63 CONTRACTOR SHALL INSTALL ALL GAS PIPING IN THIS AREA AS HIGH TO THE ROOF AS POSSIBLE.

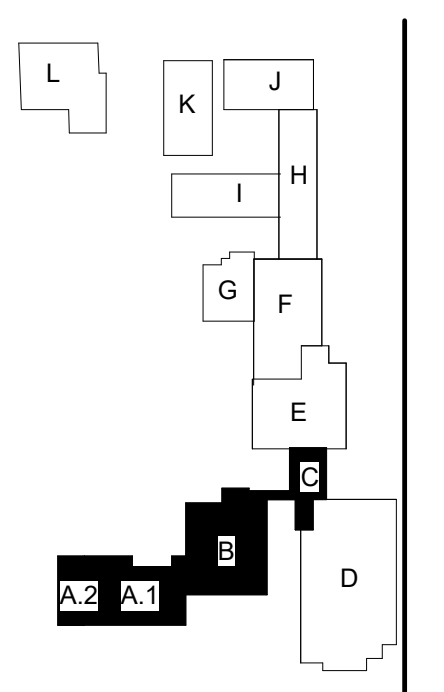
GAS REGULATOR SCHEDULE

MAR K	MANUFACTURER	C.F.H.	IN	OUT
1	ITRON SERIES B	195	1"	1"
2	ITRON SERIES B	325	1"	1"
3	ITRON SERIES B	260	1"	1"
4	ITRON SERIES B	260	1"	1"
5	ITRON SERIES B	195	1"	1"
6	ITRON SERIES B	260	1"	1"
7	ITRON SERIES B	195	1"	1"
8	ITRON SERIES B	260	1"	1"
9	ITRON SERIES B	260	1"	1"
10	ITRON SERIES B	195	1"	1"
11	ITRON SERIES B	195	1"	1"
12	ITRON SERIES B	260	1"	1"
13	ITRON SERIES B	260	1"	1"
14	ITRON SERIES B	195	1"	1"
15	ITRON SERIES B	195	1"	1"
16	ITRON SERIES B	260	1"	1"
17	ITRON SERIES B	195	1"	1"
18	ITRON SERIES B	195	1"	1"
19	ITRON SERIES B	195	1"	1"
20	ITRON SERIES B	195	1"	1"
21	ITRON SERIES B	130	1"	1"
22	ITRON SERIES B	195	1"	1"
23	ITRON SERIES B	130	1"	1"

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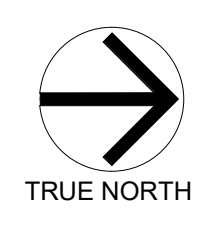
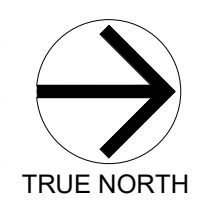
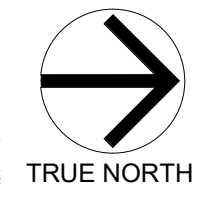
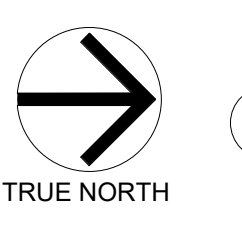
REVISIONS:

No.	Date
1 Addendum 1	9/19/2024

JOB NO. 2399
DATE: 09/19/2024
PLUMBING ROOF PLAN
PL601
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9/19/2024 11:30:06 AM

*PLUMBING CONTRACTOR SHALL PROVIDE AN OFFSET VACUUM BREAKER TUBE WHERE THE HEIGHT OF THE GRAB BAR CREATES A CONFLICT WITH THE FLUSH VALVE.

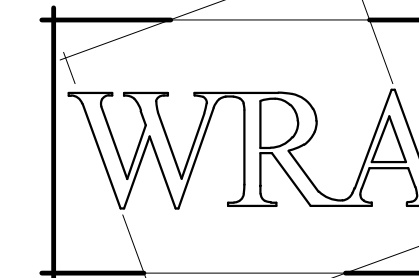
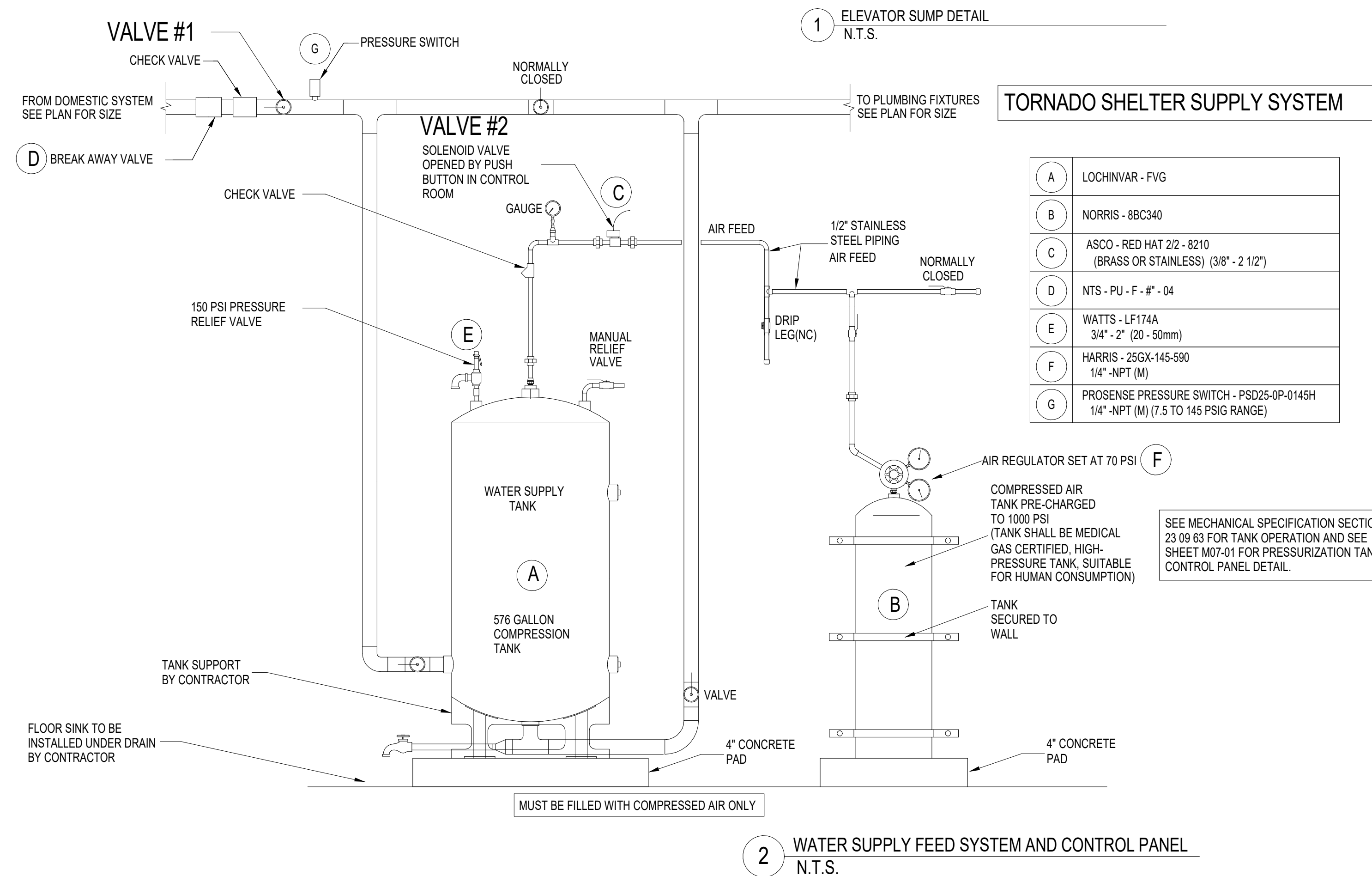
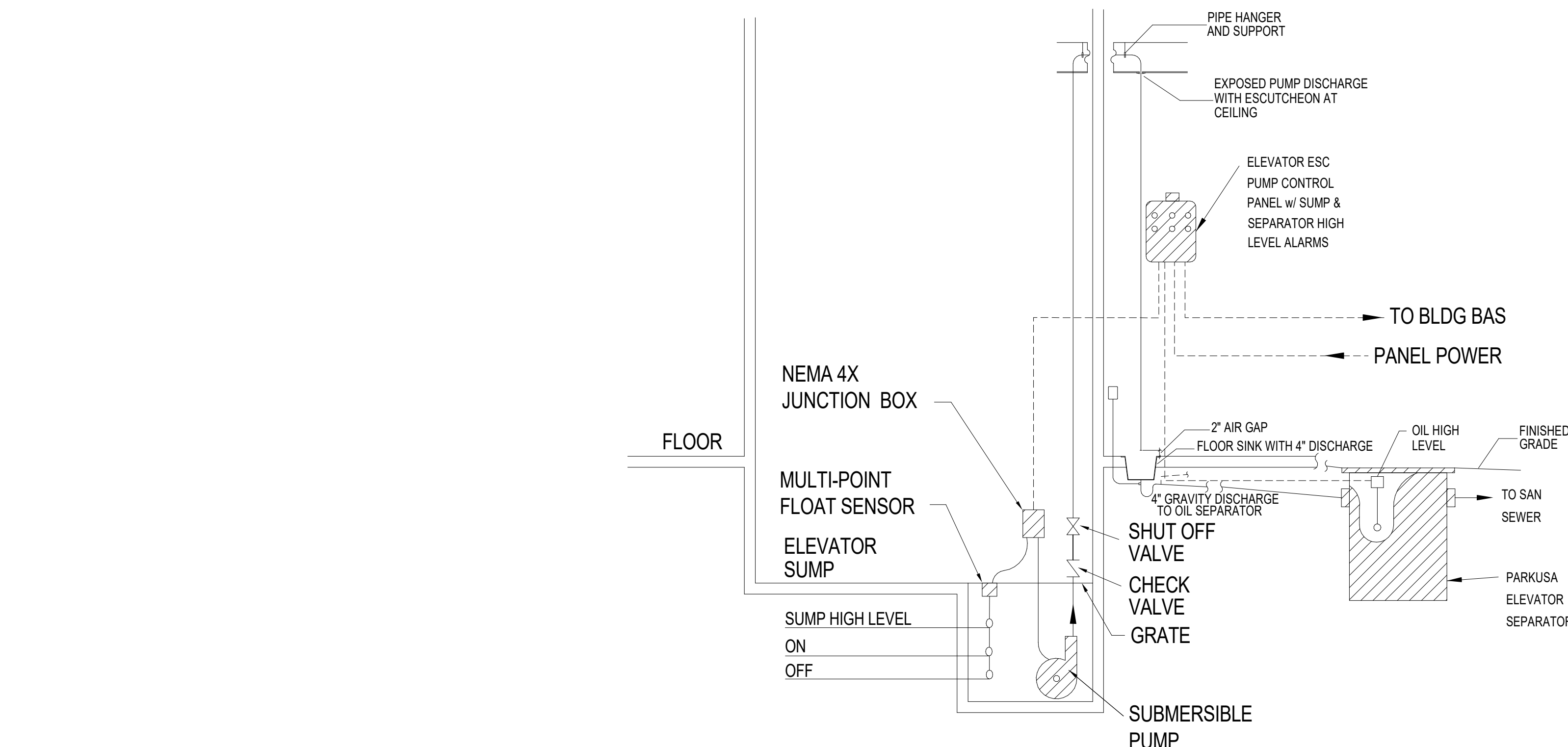
MINIMUM FIXTURE CONNECTION SCHEDULE

NAME OF FIXTURE	C.W.	H.W.	TRAP SIZE	WASTE	VENT	REMARKS
WATER CLOSET	1"	-	-	4"	2"	FLUSH VALVE WITH MAX. 1.28 GALLON FLUSH
URINAL	3/4"	-	3"	3"	2"	SIPHON JET TYPE W/MAX. 0.5 GAL. FLUSH
LAVATORY	1/2"	1/2"	1-1/4"	1-1/2"	1-1/4"	
COUNTER SINK	1/2"	1/2"	1-1/2"	2"	1-1/2"	
JANITOR SINK	1/2"	1/2"	3"	3"	2"	WALL HUNG OR FLOOR TYPE
ELEC. WATER COOLER	1/2"	-	1-1/4"	1-1/2"	1-1/4"	
FLOOR DRAIN	1/2"	-	3"	3"	2"	ALL FLOOR DRAINS TO HAVE TRAP PRIMERS

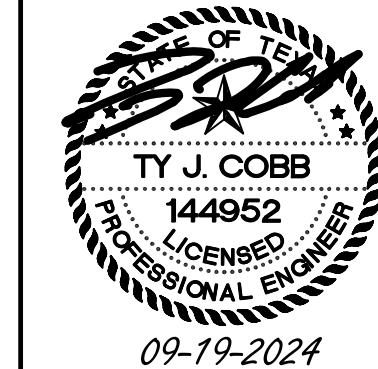
NOTE: ALL THE ABOVE FIXTURES ARE NOT NECESSARILY USED.

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER & NO.	SUPPLY	ELEC. DATA	ACCESSORIES
A1	WALL MOUNT (ADULT) WATER CLOSET	KOHLER K-8425			SLOAN 111-1.28 FLUSH VALVE (1 1/2" TOP SPUD), 1.28 GPF. WHITE OPEN-FRONT SEAT, BOLT CAPS (2), WADE 300 SERIES CARRIER.
A2	WALL MOUNT (ADULT) WATER CLOSET - A.D.A.	KOHLER K-8425			SLOAN 111-1.28 FLUSH VALVE (1 1/2" TOP SPUD), 1.28 GPF. WADE 300 SERIES CARRIER, WHITE OPEN-FRONT SEAT, BOLT CAPS (2), REFER TO ARCH PLANS FOR MOUNTING HEIGHT.
A3	FLOOR MOUNT WATER CLOSET	KOHLER K-66053			SLOAN 111-1.28 FLUSH VALVE (1 1/2" TOP SPUD), 1.28 GPF. WHITE OPEN-FRONT SEAT, BOLT CAPS (2).
A4	FLOOR MOUNT WATER CLOSET - A.D.A.	KOHLER K-66057			SLOAN 111-1.28 FLUSH VALVE (1 1/2" TOP SPUD), 1.28 GPF. WHITE OPEN-FRONT SEAT, BOLT CAPS (2), REFER TO ARCH PLANS FOR MOUNTING HEIGHT.
B1	WALL MOUNT (ADULT) LAVATORY - A.D.A.	KOHLER K-2005.4	TEMP/COLD		MOEN 8413F05 FAUCET (4" CENTERS), 0.5 GPM, P-TRAP, GRID DRAIN, SUPPLIES W/ STOPS, WATTS WCA-411 CARRIER, TRUEBRO LAV-GUARD, BRADLEY S99-4000A TMV
B2	WALL MOUNT (ADULT) LAVATORY	KOHLER K-2005.4	TEMP/COLD		MOEN 8413F05 FAUCET (4" CENTERS), 0.5 GPM, P-TRAP, GRID DRAIN, SUPPLIES W/ STOPS, WATTS WCA-411 CARRIER, BRADLEY S99-4000A TMV
B3	3 STATION WALL HUNG LAVATORY SYSTEM - A.D.A.	BRADLEY LV1003	TEMPERED	120 V.	TOUCH TIME METTERING, ARCHITECT TO SELECT FINISH. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.
C1	WALL MOUNT URINAL - WATERLESS	FALCON F-1000-V2			SLOAN WES-150 CARTRIDGE
C2	WALL MOUNT URINAL - A.D.A. - WATERLESS	FALCON F-1000-V2			SLOAN WES-150 CARTRIDGE. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.
D1	FLOOR DRAIN	WADE 100S			6" TOP SIZE, 3" DISCHARGE, TRAP PRIMER TAP
D2	FLOOR SINK	WADE 1943.6.15			12" x 12" x 8", 1/2 GRATE, TRAP PRIMER TAP, 3" DISCHARGE
D3	SHOWER DRAIN	WADE 1100-G			5" TOP SIZE, 2" DISCHARGE, TRAP PRIMER TAP
E1	B-LV-LEVEL ELEC. WATER COOLER WITH BOTTLE FILLER - A.D.A.	LVCKAY LVCKTLEW5K		120 V.	ARCHITECT TO SELECT FINISH. NO CFC REFRIGERANTS, GANE TOUCH APPROX. VANDAL RESISTANT, BOTTLE FILLER ON LOW SIDE, WADE 403-BL-SFS CARRIER, REFER TO ARCH PLANS FOR MOUNTING HEIGHT.
F1	119 GALLON ELECTRIC WATER HEATER	BOCK CE119		480 V., 3-12,200 W.	TEMPERATURE AND PRESSURE RELIEF VALVE, DUAL ELEMENT, WATTS EXPANSION TANK, SIMULTANEOUS OPERATION, INCLUDE DRAIN PAN.
F2	ELECTRIC WATER HEATER	BOCK LES0-2		120 V., 1.5KW., 10	WATTS EXPANSION TANK, CHECK VALVE, VACUUM BREAKER.
F3	ELECTRIC WATER HEATER	BOCK CEB0		208 V., 13.5KW., 30	WATTS EXPANSION TANK, CHECK VALVE, VACUUM BREAKER. 8 GPH @ 80' RISE, PROVIDE CASH ACME HG160 MIXING VALVE, INCLUDE DRAIN PAN.
G1	MOP SINK	FIAT MSB-2424	HOT/COLD		835-AA FAUCET, 832-AA HOSE AND HOSE BRACKET, 880-CC MOP HANGER, STAINLESS STEEL BACKSPASH
G2	SCULLERY SINK	ELKAY SSP 14-1C18X24	TEMP/COLD		LK-940GN08TH FAUCET, OVERFLOW, P-TRAP, SUPPLIES W/ STOPS, DUO-STRAINER, TMV EQUAL TO LEONARD 270 LF
G3	ART ROOM SINK - A.D.A.	ELKAY LRAD-1918-60-1	TEMP/COLD		6" DEEP BASIN, LKD-2088-13C FAUCET, P-TRAP, SUPPLIES W/ STOPS, OFFSET TAILPIECE, REAR DRAIN, DUO-STRAINER, WADE 5760 PLASTER TRAP, REF. TO ARCH. FOR INST. REQ., TMV EQUAL TO LEONARD 270 LF
G4	SCIENCE ROOM SINK - A.D.A.	ELKAY LRAD-1918-60-1	TEMP/COLD		6" DEEP BASIN, LKD-2088-13C FAUCET, P-TRAP, SUPPLIES W/ STOPS, OFFSET TAILPIECE, REAR DRAIN, DUO-STRAINER, REFER TO ARCH PLAN FOR INSTALLATION ROOMS, TMV EQUAL TO LEONARD 270 LF
G5	CLINIC SINK - A.D.A.	ELKAY LRAD-1918-60-1	TEMP/COLD		6" DEEP BASIN, LKD-2088-13C FAUCET, P-TRAP, SUPPLIES W/ STOPS, OFFSET TAILPIECE, REAR DRAIN, DUO-STRAINER, TMV EQUAL TO LEONARD 270 LF
G6	FACILITY (LOUNGE) SINK - A.D.A.	ELKAY LRAD-1918-60-3	TEMP/COLD		6" DEEP BASIN, LK-300CR FAUCET W/ SPRAY, P-TRAP, SUPPLIES W/ STOPS, DUO-STRAINER, REAR DRAIN, OFFSET TAILPIECE, REFER TO ARCH PLANS FOR INSTALL ROOMS, TMV EQUAL TO LEONARD 270 LF
G7	SCIENCE ROOM SINK	DIVERSIFIEDCASEWORK 100899	COLD		6" DEEP BASIN, 100315 DIVERSIFIED CASEWORK FAUCET, P-TRAP, SUPPLIES W/ STOPS, OFFSET TAILPIECE, REAR DRAIN, DUO-STRAINER, REFER TO ARCH PLAN FOR INSTALLATION ROOMS.
G8	SCIENCE ROOM SINK - A.D.A.	DIVERSIFIEDCASEWORK 100899	COLD		6" DEEP BASIN, 100315 DIVERSIFIED CASEWORK FAUCET, P-TRAP, SUPPLIES W/ STOPS, OFFSET TAILPIECE, REAR DRAIN, DUO-STRAINER, REFER TO ARCH PLAN FOR INSTALLATION ROOMS.
G9	WORKROOM SINK - A.D.A.	ELKAY LRAD-1918-60-2	TEMP/COLD		6" DEEP BASIN, LK-300CR FAUCET, P-TRAP, SUPPLIES W/ STOPS, DUO-STRAINER, REAR DRAIN, OFFSET TAILPIECE, TMV EQUAL TO LEONARD 270 LF
G10	SCIENCE ROOM SINK	DIVERSIFIEDCASEWORK 100899	COLD		6" DEEP BASIN, 100285 DIVERSIFIED CASEWORK FAUCET, P-TRAP, SUPPLIES W/ STOPS, OFFSET TAILPIECE, REAR DRAIN, DUO-STRAINER, REFER TO ARCH PLAN FOR INSTALLATION ROOMS.
G11	SCIENCE ROOM SINK - A.D.A.	DIVERSIFIEDCASEWORK 100899	COLD		6" DEEP BASIN, 100285 DIVERSIFIED CASEWORK FAUCET, P-TRAP, SUPPLIES W/ STOPS, OFFSET TAILPIECE, REAR DRAIN, DUO-STRAINER, REFER TO ARCH PLAN FOR INSTALLATION ROOMS.
H1	INTERIOR HOSE BIBB	WOODFORD 876	COLD		VACUUM BREAKER, RECESSED IN LOCK BOX, VERIFY WALL THICKNESS
H2	EXTERIOR HOSE BIBB	WOODFORD 867	COLD		VACUUM BREAKER, RECESSED IN LOCK BOX, VERIFY WALL THICKNESS
H3	ROOF HOSE BIBB	MAPA MPR-24PP	COLD		VACUUM BREAKER, REFER TO ROOF HOSE BIBB DETAIL
J1	CIRCULATING PUMP	GRUNDFOS MAGN3 32-60 GF N (PART 98128822)		120 V., 1/8 H.P.	STAINLESS STEEL BODY, INTEGRAL TEMPERATURE AND PRESSURE SENSORS, GF126 FLANGES, PROVIDE WITH JOHNSON CONTROLS A19 AQUASTAT
J2	ELEVATOR SUMP PUMP	HYDROMATIC SHEF50A1		120 V., 1/2 H.P.	50 G.P.M. AT 30 FEET OF TOTAL HEAD, 20' POWER CORD, 2" N.P.T. DISCHARGE, FLOAT SWITCH PROVIDE WITH JOHNSON CONTROLS A19 AQUASTAT
J4	CIRCULATING PUMP	BELL & GOSSETT SERIES #100		120 V., 1/12 H.P.	
K1	BOYS BUILT-IN WALL SHOWER	BRADLEY 1C-EF-SX20-RSD	TEMP/COLD		2.0 G.P.M. FLOW CONTROL, MOUNT SHOWER HEAD AT 6'-0" A.F.F., PRESSURE BALANCED MIXING VALVE, RECESSED SOAP DISH
K2	GIRLS BUILT-IN WALL SHOWER	BRADLEY 1C-EF-SX20-RSD	TEMP/COLD		2.0 G.P.M. FLOW CONTROL, MOUNT SHOWER HEAD AT 5'-6" A.F.F., PRESSURE BALANCED MIXING VALVE, RECESSED SOAP DISH
K3	BOYS BUILT-IN HANDICAP WALL SHOWER	BRADLEY HNS300EF-SX20	TEMP/COLD		3/8" BARRIER FREE, VERIFIED HANDICAP HAND, PRESSURE BALANCED MIXING VALVE, QUICK DISCONNECT FOR FLEXIBLE HOSE, HAND SHOWER, RECESSED SOAP DISH
L1	FLOW-SPLITTER VALVE	KEMPER KHS FLOW-SPLITTER UNIT	HOT		MATCH LINE SIZES SHOWN ON PLANS
L2	THERMOSTATIC MIXING VALVE (EMER. SHOWER/COMBO UNIT)	LEONARD TM-400-STSTL-EXP			PROVIDE TEPID WATER AT 20 G.P.M. FOR 15 MINUTES W/ 10 P.S.I. DROP OR LESS, 3/4" INLETS, 1" OUTLET, FULL FLOW C/W BYPASS IF HW FAILS, MT. OUT OF STUDENT REACH 10 G.P.M. @ 10 P.S.I. LOSS, 3/4" INLETS, 3/4" OUTLET
L3	THERMOSTATIC MIXING VALVE (SHOWERS)	LEONARD TM-26-E-LF-RF			
L4	HIGH/LOW THERMOSTATIC MIXING VALVE SYSTEM	LEONARD TM-186-420B-LF-STSTL-EXP-RF-TOP			19 G.P.M. @ 10 P.S.I. LOSS, 3/4" INLETS, 1" OUTLET, WITH LOCKABLE STAINLESS STEEL CABINET
M1	REFRIGERATOR / ICE MAKER UTILITY BOX	GLY GRAY MB1HAAB			MOUNT CONTROLS AT A.D. HEIGHT
M2	WASHER SUPPLY BOX	GLY GRAY FB200			1/2" CONNECTIONS, 2" DISCHARGE, MOUNT CONTROLS AT A.D.A. HEIGHT
M3	ICE MACHINE UTILITY BOX AND RPZ	GLY GRAY MB1HAAB			MOUNT CONTROLS AT A.D.A. HEIGHT, PROVIDE WATTS LF-009 RPZ ON SUPPLY LINE
N1	DOWN SPOUT NOZZLE	JAY R. SMITH 1775			VERIFY SIZES ON PLANS
N2	DOWN SPOUT NOZZLE	RFH CYCLONE			10"
P1	SOLENOID VALVE BOX (LABORATORY/ PREP ROOM)	FURNISHED BY ELECTRICAL CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR. NOTED FOR LOCATION PURPOSES.	COLD/HOT/ GAS	24 V., 10	ALL LINE SIZES, COORDINATE VALVE SIZE WITH ELECTRICAL CONTRACTOR
R1	REDUCED PRESSURE ZONE BACKFLOW PREVENTER	WATTS LF909 SERIES			MATCH SUPPLY LINE SIZE, MOUNT NO HIGHER THAN 4'-0" AFF. PROVIDE BALL VALVES & UNIONS AT INLET & OUTLET FOR EASY REMOVAL, AIR GAP DRAIN ASSEMBLY, ROUTE DRAIN TO EXTERIOR OF BUILDING
R2	DOUBLE CHECK DETECTOR ASSEMBLY	WATTS 77400DA			FOR 3" FIRE SPRINKLER LINE, PROVIDE STAND FOR INDOOR INSTALLATION, VERIFY MODEL AND TYPE WITH THE LOCAL AUTHORITY HAVING JURISDICTION
R3	ELEVATOR SUMP AND OIL SEPARATOR SYSTEM	PARK ELVS-100		120 V.	50 GPM SUMP PUMP, 0.5 HP, 120 V., OIL SEPARATOR, 4" DIAMETER, 50 G.P.M., 50 GALLON OIL CAPACITY, 100 GALLON VOLUME, SERVICE ALERT PANEL, TRAFFIC GRADE COVER AND LIDS
R4	NEUTRALIZATION BASIN	IPEX NEUTRASYSTEM CT0055			55 GALLON, PROVIDE WITH EXTENSION AS REQUIRED PER DETAIL, 500 LB. LIMESTONE CHIPS
R5	WATER SUPPLY FEED SYSTEM OILSAND SEPARATOR	PARK CMPR-100		120 V., 1	REFER TO DETAIL #2 ON SHEET PL801
R7	GAS SOLENOID VALVE NORMALLY OPEN-POWER CLOSE	HONEYWELL - MAXON ELECTRO-MECH. -- CAM21-BAT1-882240		120 V.	4" x 3/8" 10 G.P.M. 100 GALLON VOLUME, NOMINAL OIL CAPACITY, SERVICE ALERT PANEL, TRAFFIC GRADE COVER AND LIDS
S1	RECIPROCATING AIR COMPRESSOR	INGERSOLL RAND RT5H-25		240V., 3-10 H.P.	240 GALLON, 32 CFM @ 150 PSI, PROVIDE ON 4" HOUSEKEEPING PAD, INSTALL ISOLATION PADS AT MOUNTING POINTS, AUTO DRAIN VALVE, OIL SEPARATOR, HEATER PACKAGE
S2	AIR DRYER	INGERSOLL RAND D54N		120V., 1	32 CFM @ 150 PSI, CONDENSATE DRAIN TO NEAREST FLOOR SINK, TO BE LOCATED IN CONDITIONED SPACE
S3	DESICCANT AIR DRYER	INGERSOLL RAND DASSM		120V., 1	32 CFM @ 150 PSI, CONDENSATE DRAIN TO NEAREST FLOOR SINK, PROVIDE ADDITIONAL DESICCANT MATERIAL TO OWNER
S4	AIR DROP	WALKERSON C28-04-PK03B			WALL OR ROOF STRUCTURE MOUNT, 50 FT HOSE, 3/8" ID, 300 PSI RATING, USE MANUFACTURERS BRACKETS/ADAPTERS AND INSTALL PER MANUFACTURERS RECOMMENDATION
S5	HOSE REEL	COXREELS P-LP-350			
S6	SINK DISPOSER	IN-SINK-ERATOR BADGER 5		120 V., 1-1/2 HP	
X1	EMERGENCY SHOWER/ EYEWASH COMBO - A.D.A.	BRADLEY S19-3148F	TEPID		BARRIER-FREE, P-TRAP, PLASTIC SHOWER HEAD AND EYEWASH BOWL, S19-3303T DRENCH SHOWER TESTER, 5 GALLON BUCKET WITH HANDLE, REFER TO ARCH PLANS FOR EYEWASH MOUNTING HEIGHT



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No. 1 Addendum 1 Date 9/19/2024

PLUMBING SCHEDULES

PL801

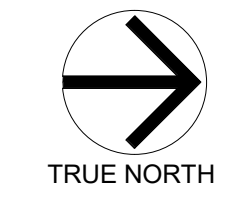
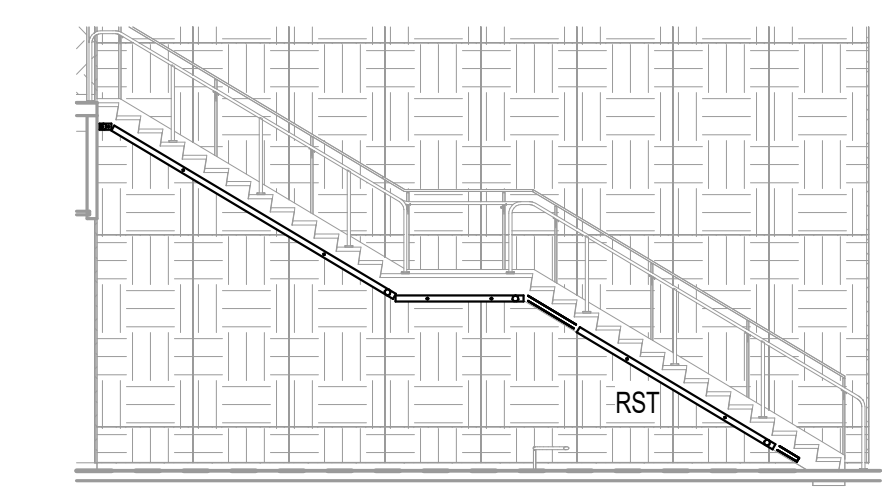
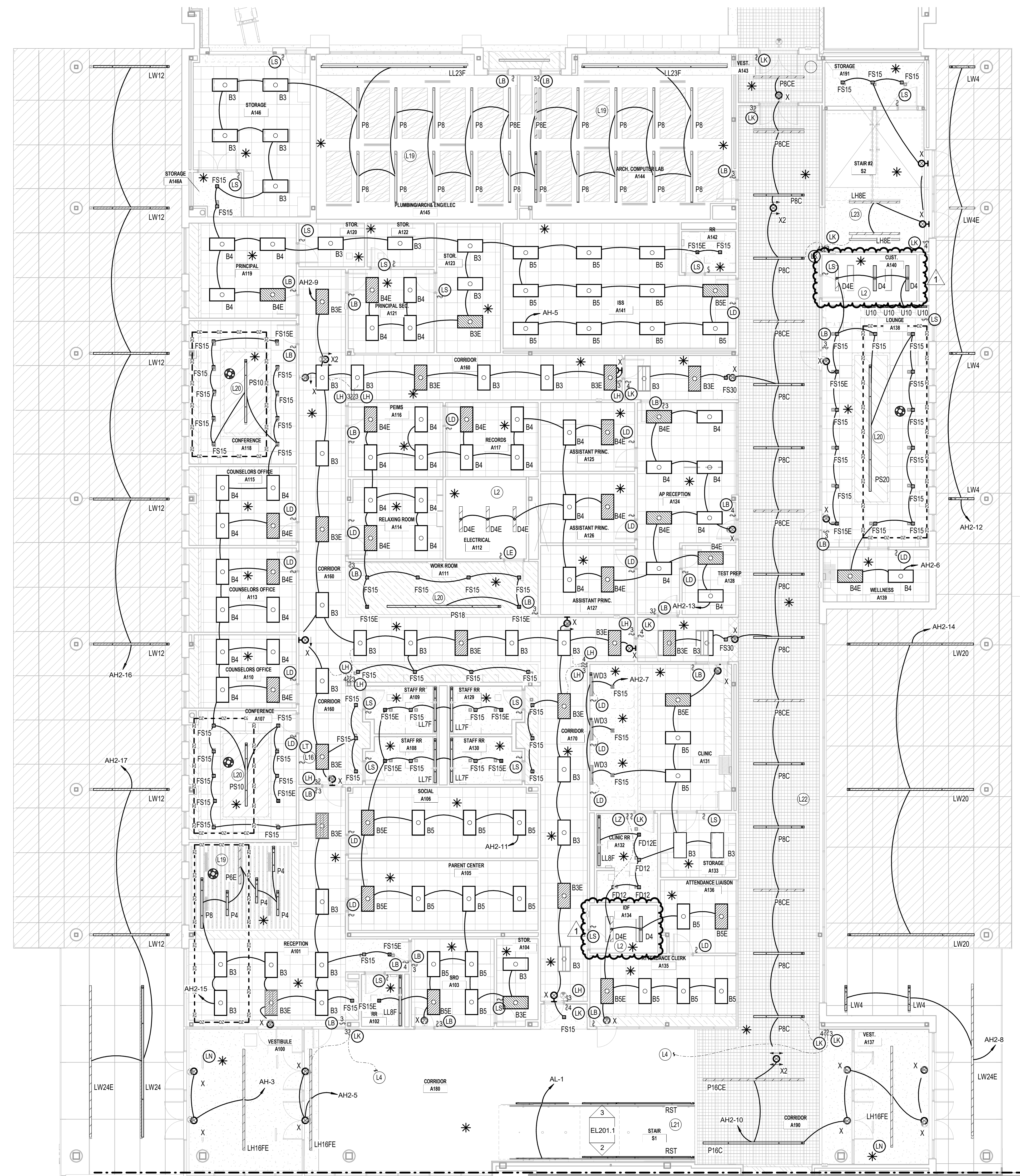
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LIGHTING GENERAL NOTES

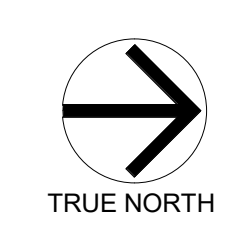
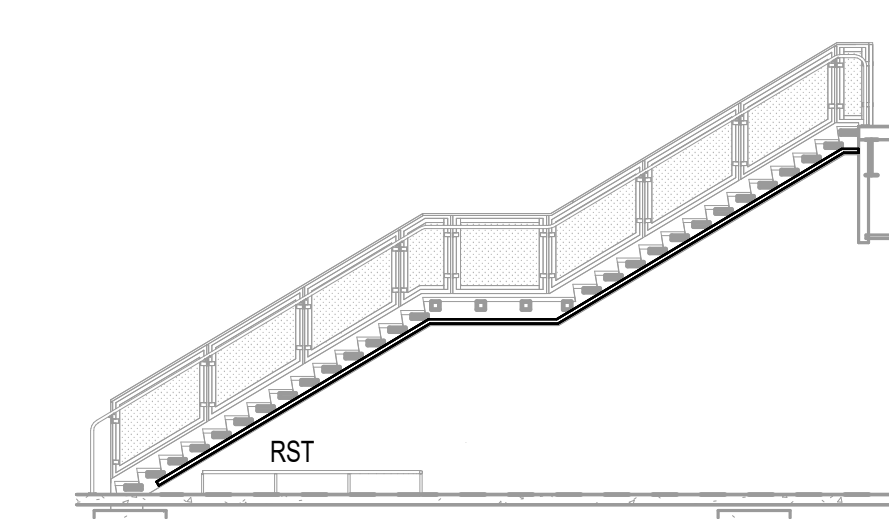
- SEE SHEET EL701 FOR GENERAL NOTES AND PLAN NOTES APPLICABLE TO THE ENTIRE DRAWING SET.
- REFER TO LIGHTING CONTROL CHART FOR MORE INFORMATION ON LIGHTING CONTROL SWITCH PLAN NOTES (CIRCLE NOTES - LE, LC, ETC.)

LIGHTING PLAN NOTES

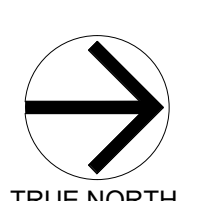
- L2 INSTALL BOTTOM OF LUMINAIRES IN THIS SPACE AT 9'-0" A.F.F. INSTALL LUMINAIRES TO AVOID MECHANICAL EQUIPMENT.
- L4 TO LUMINAIRES ABOVE.
- L16 RGB CONTROLS FOR LUMINAIRE IN SKY BRIDGE, EXTERIOR LINEARS UNDER SKY BRIDGE WALKWAY AND EXTERIOR MARQUEE LETTERS TO BE LOCATED IN CORRIDOR A160. ALL COLORS TO BE CONTROLLED TOGETHER.
- L19 INSTALL BOTTOM OF LUMINAIRE AT 10'-0" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.
- L20 INSTALL BOTTOM OF LUMINAIRE AT 9'-0" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.
- L21 INSTALL LUMINAIRE ON STRINGER VERTICAL SURFACE. DRIVER TO BE REMOTE MOUNTED IN ADJACENT SOFFIT WITH ACCESS PANEL. SEE ARCHITECTURAL DETAIL FOR MORE INFORMATION.
- L22 INSTALL BOTTOM OF LUMINAIRE AT 0'-4" ABOVE ARCHITECTURAL MESH DROP CEILING. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.
- L23 INSTALL BOTTOM OF PENDANT LUMINAIRE AS HIGH AND TIGHT AS POSSIBLE. CONDUIT ROUTING TO BE MINIMIZED IN VISIBLE AREAS, WHERE POSSIBLE.



2 STAIR S1 - EAST
1/8" = 1'-0"



3 STAIR S1 - WEST
1/8" = 1'-0"



1 LIGHTING CEILING PLAN - Level 1 - UNIT A.1
1/8" = 1'-0"

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DATE:	09/19/2024

LIGHTING CEILING PLAN LEVEL 1 UNIT A.1

EL201.1

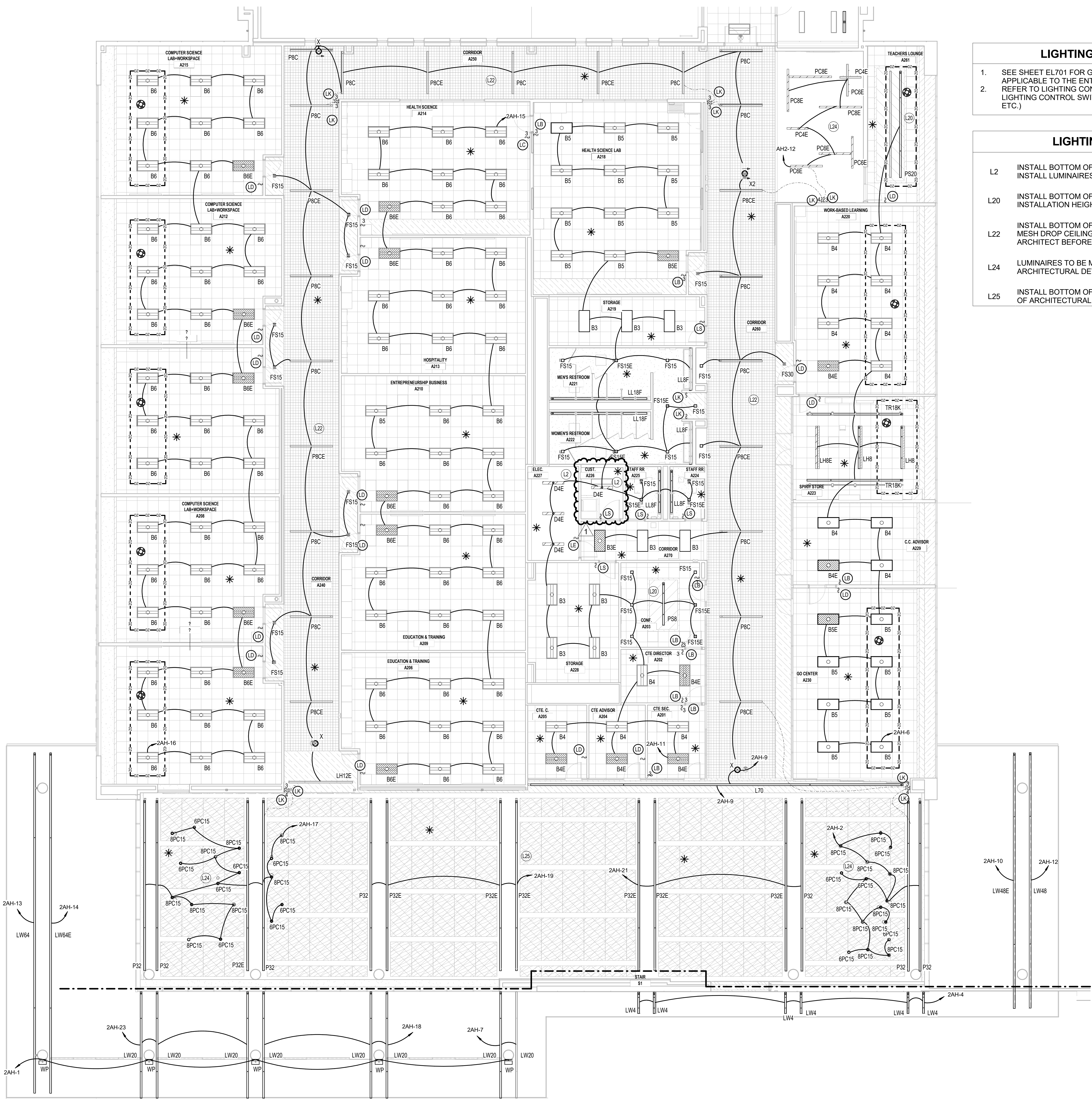
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LIGHTING GENERAL NOTES

- SEE SHEET EL701 FOR GENERAL NOTES AND PLAN NOTES APPLICABLE TO THE ENTIRE DRAWING SET.
- REFER TO LIGHTING CONTROL CHART FOR MORE INFORMATION ON LIGHTING CONTROL SWITCH PLAN NOTES (CIRCLE NOTES - LE, LC, ETC.)

LIGHTING PLAN NOTES

- L2 INSTALL BOTTOM OF LUMINAIRE IN THIS SPACE AT 9'-0" A.F.F. INSTALL LUMINAIRE TO AVOID MECHANICAL EQUIPMENT.
- L20 INSTALL BOTTOM OF LUMINAIRE AT 9'-0" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.
- L22 INSTALL BOTTOM OF LUMINAIRE AT 0'-4" ABOVE ARCHITECTURAL MESH DROP CEILING. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.
- L24 LUMINAIRE TO BE MOUNTED AT VARYING HEIGHTS. SEE ARCHITECTURAL DETAIL FOR MORE INFORMATION.
- L25 INSTALL BOTTOM OF PENDANT LUMINAIRE FLUSH WITH BOTTOM OF ARCHITECTURAL CLOUD.



1 LIGHTING CEILING PLAN - Level 2 - New - UNIT A.1
1/8" = 1'-0"

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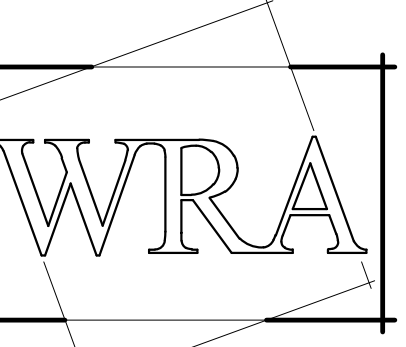
LIGHTING CEILING PLAN LEVEL 2 UNIT A.1
EL202.1

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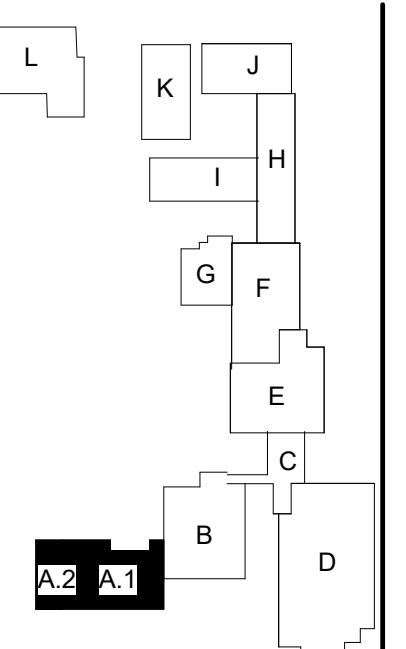
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1 065 0350 008



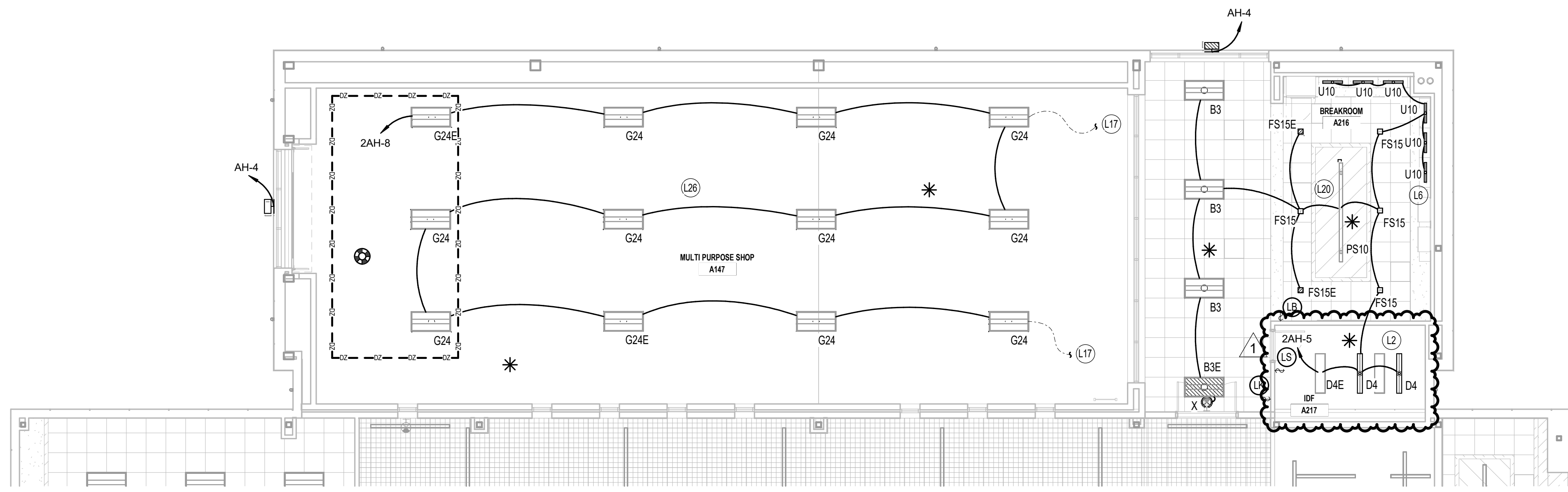


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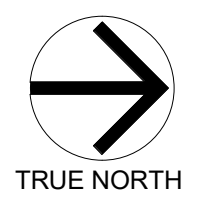
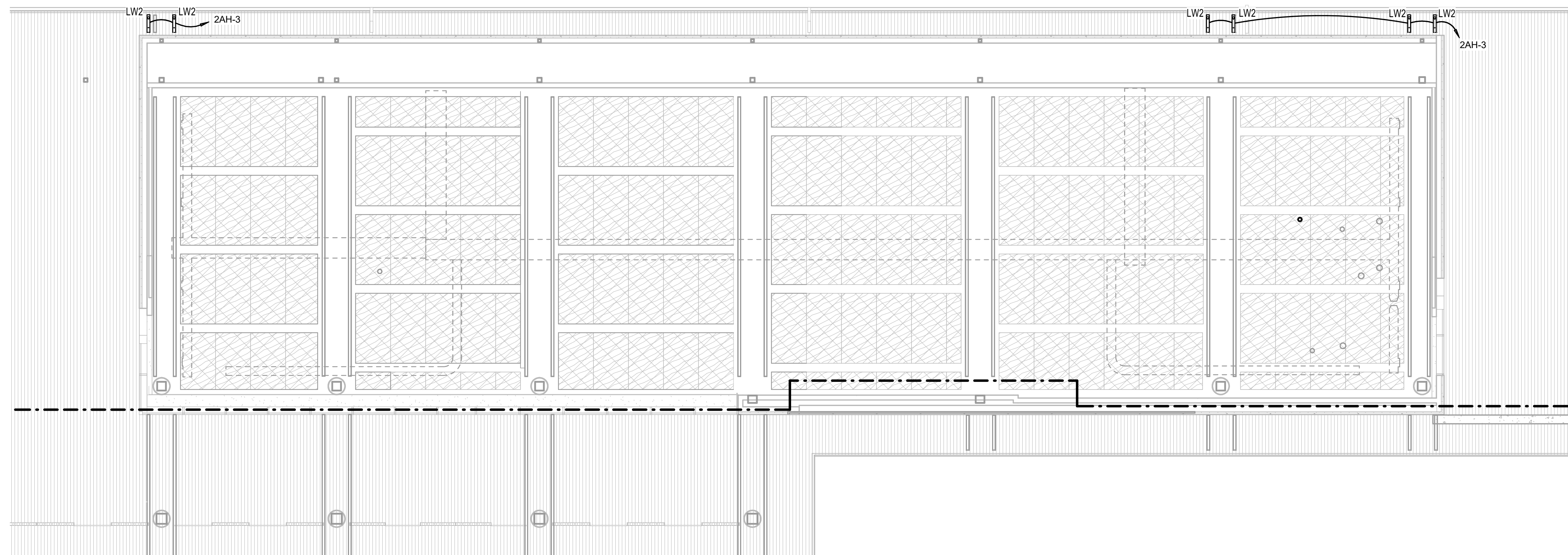


- LIGHTING GENERAL NOTES**
- SEE SHEET EL701 FOR GENERAL NOTES AND PLAN NOTES APPLICABLE TO THE ENTIRE DRAWING SET.
 - REFER TO LIGHTING CONTROL CHART FOR MORE INFORMATION ON LIGHTING CONTROL SWITCH PLAN NOTES (CIRCLE NOTES - LE, LC, ETC.)

- LIGHTING PLAN NOTES**
- L2 INSTALL BOTTOM OF LUMINAIRES IN THIS SPACE AT 9'-0" A.F.F. INSTALL LUMINAIRES TO AVOID MECHANICAL EQUIPMENT.
 - L6 SWITCH FOR UNDER CABINET LIGHTING. INSTALL 6" ABOVE MILLWORK SPLASH. VERIFY EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
 - L17 TO SWITCHES BELOW
 - L20 INSTALL BOTTOM OF LUMINAIRE AT 9'-0" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.
 - L26 INSTALL LUMINAIRES ON BOTTOM OF STRUCTURAL STEEL.



1 LIGHTING CEILING PLAN - Level 2 - New - UNIT A.2
1/8" = 1'-0"



2 LIGHTING CEILING PLAN - Level 2 - New - UNIT A.1 CORRIDOR
1/8" = 1'-0"

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LIGHTING CEILING PLAN LEVEL 2 UNIT A.2

EL202.2

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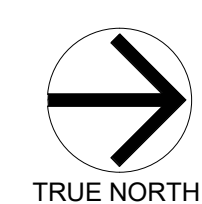
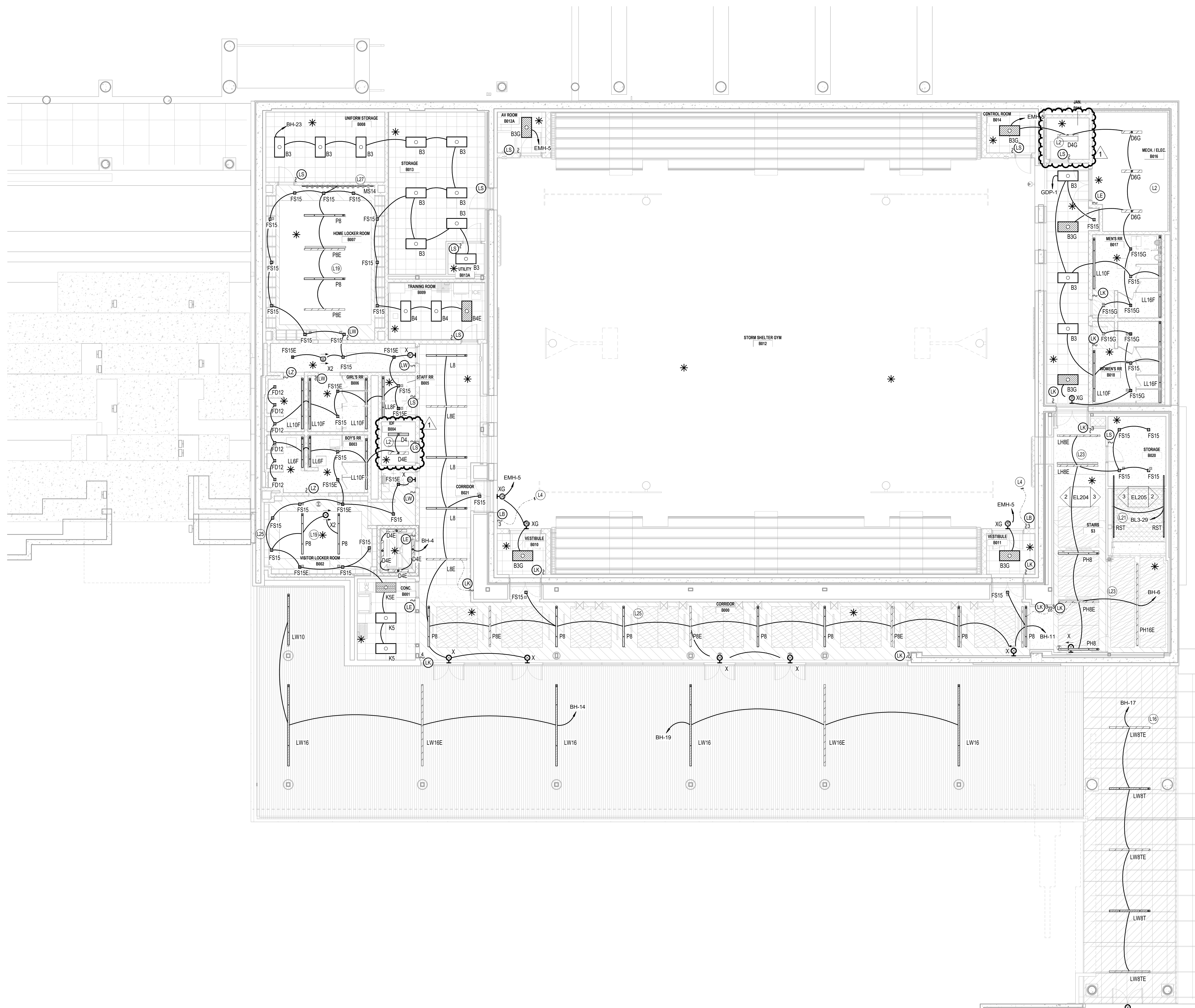
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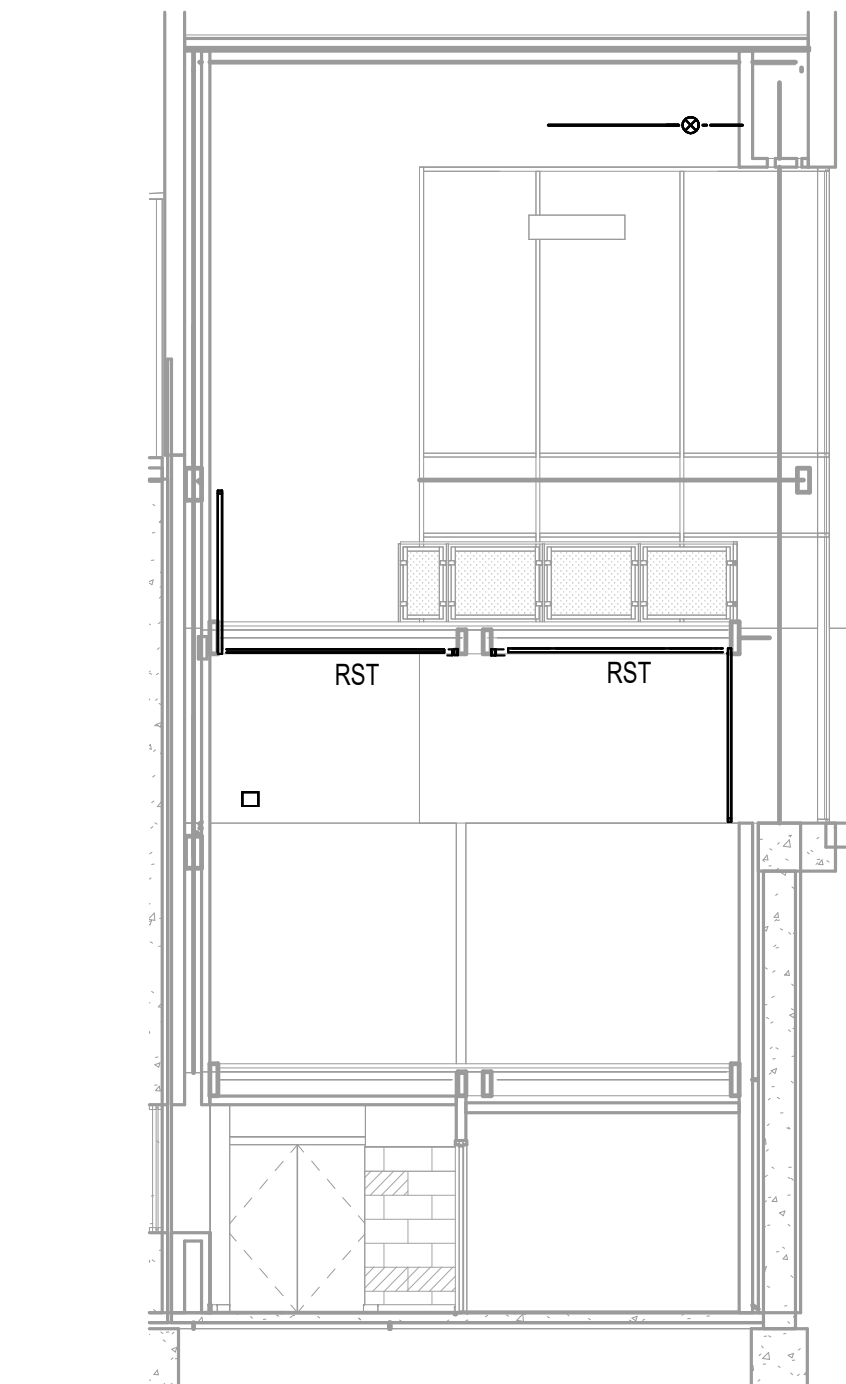
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1 LIGHTING CEILING PLAN - Level 0 - UNIT B
1/8" = 1'-0"



2 STAIR S3 - EAST
1/8" = 1'-0"

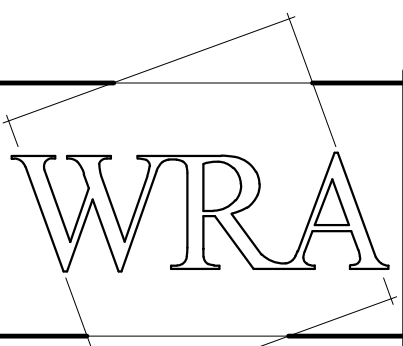


LIGHTING GENERAL NOTES

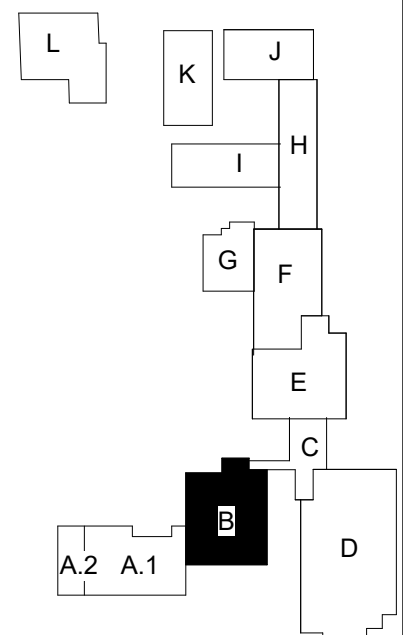
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- REFER TO LIGHTING CONTROL CHART FOR MORE INFORMATION ON LIGHTING CONTROL SWITCH PLAN NOTES (CIRCLE NOTES - LE, LC, ETC.)

LIGHTING PLAN NOTES

- L2 INSTALL BOTTOM OF LUMINAIRES IN THIS SPACE AT 9'-0" A.F.F. INSTALL LUMINAIRES TO AVOID MECHANICAL EQUIPMENT.
- L4 TO LUMINAIRES ABOVE.
- L16 RGB CONTROLS FOR LUMINAIRES IN SKY BRIDGE. EXTERIOR LINEARS UNDER SKY BRIDGE WALKWAY AND EXTERIOR MARQUEE LETTERS TO BE LOCATED IN CORRIDOR A160. ALL COLORS TO BE CONTROLLED TOGETHER.
- L19 INSTALL BOTTOM OF LUMINAIRE AT 10'-0" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.
- L21 INSTALL LUMINAIRE ON STRINGER VERTICAL SURFACE. DRIVER TO BE REMOTE MOUNTED IN ADJACENT SOFFIT WITH ACCESS PANEL. SEE ARCHITECTURAL DETAIL FOR MORE INFORMATION.
- L23 INSTALL BOTTOM OF PENDANT LUMINAIRE AS HIGH AND TIGHT AS POSSIBLE. CONDUIT ROUTING TO BE MINIMIZED IN VISIBLE AREAS, WHERE POSSIBLE.
- L25 INSTALL BOTTOM OF PENDANT LUMINAIRES FLUSH WITH BOTTOM OF ARCHITECTURAL CLOUD.
- L27 INSTALL LUMINAIRE ABOVE VANITY MIRROR. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.



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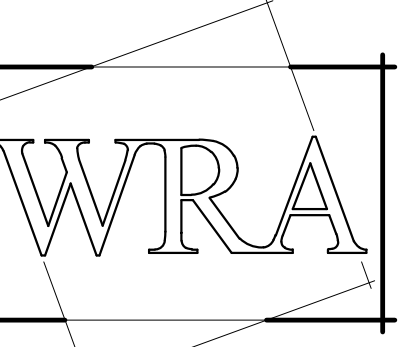
LIGHTING CEILING PLAN LEVEL 0 UNIT B

EL203

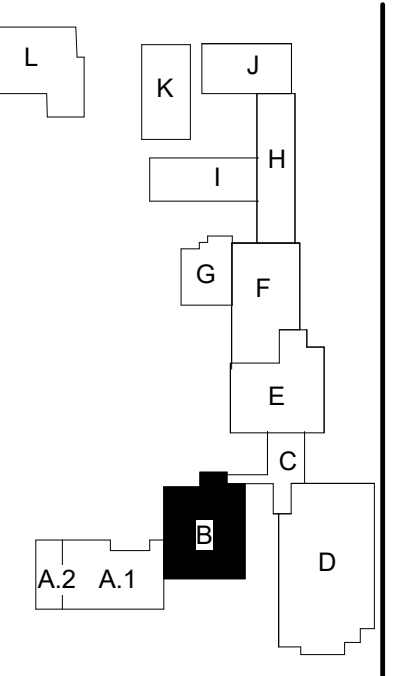
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Date: 09/19/2024
LIGHTING CEILING PLAN LEVEL 1 UNIT B
EL204
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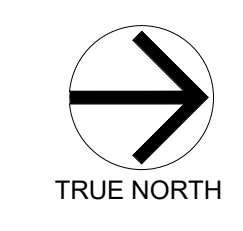
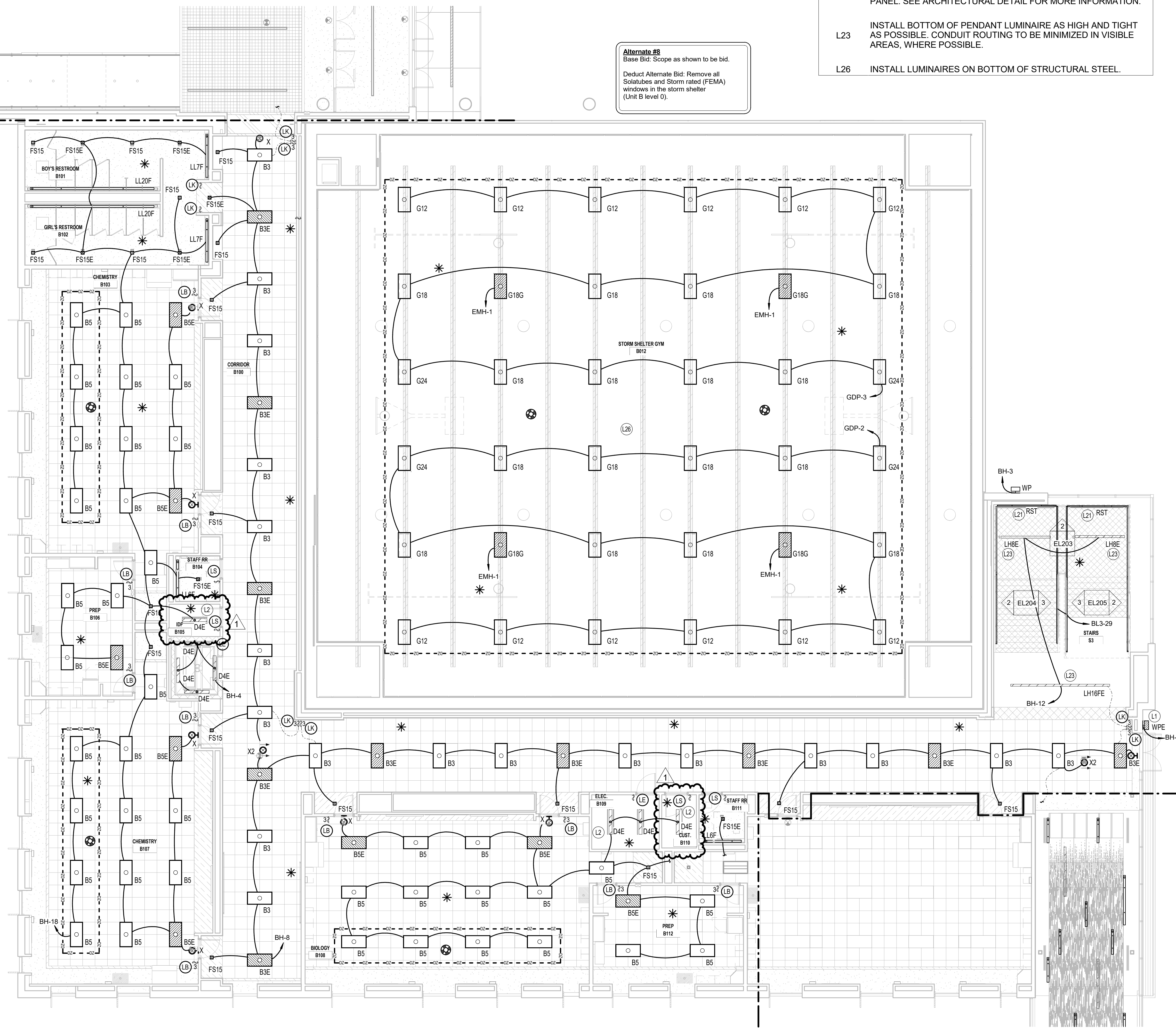
LIGHTING GENERAL NOTES

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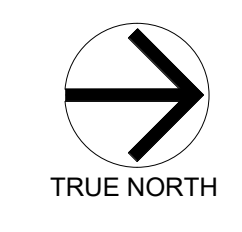
LIGHTING PLAN NOTES

- L1 INSTALL BOTTOM OF LUMINAIRE AT 10'-6" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.
- L2 INSTALL BOTTOM OF LUMINAIRES IN THIS SPACE AT 9'-0" A.F.F. INSTALL LUMINAIRES TO AVOID MECHANICAL EQUIPMENT.
- L21 INSTALL LUMINAIRE ON STRINGER VERTICAL SURFACE. DRIVER TO BE REMOTE MOUNTED IN ADJACENT SOFFIT WITH ACCESS PANEL. SEE ARCHITECTURAL DETAIL FOR MORE INFORMATION.
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- L26 INSTALL LUMINAIRES ON BOTTOM OF STRUCTURAL STEEL.

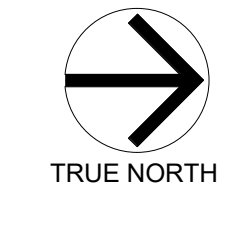
Alternate #8
Base Bid: Scope as shown to be bid.
Deduct Alternate Bid: Remove all Solatubes and Storm rated (FEMA) windows in the storm shelter.
(Unit B level 0).



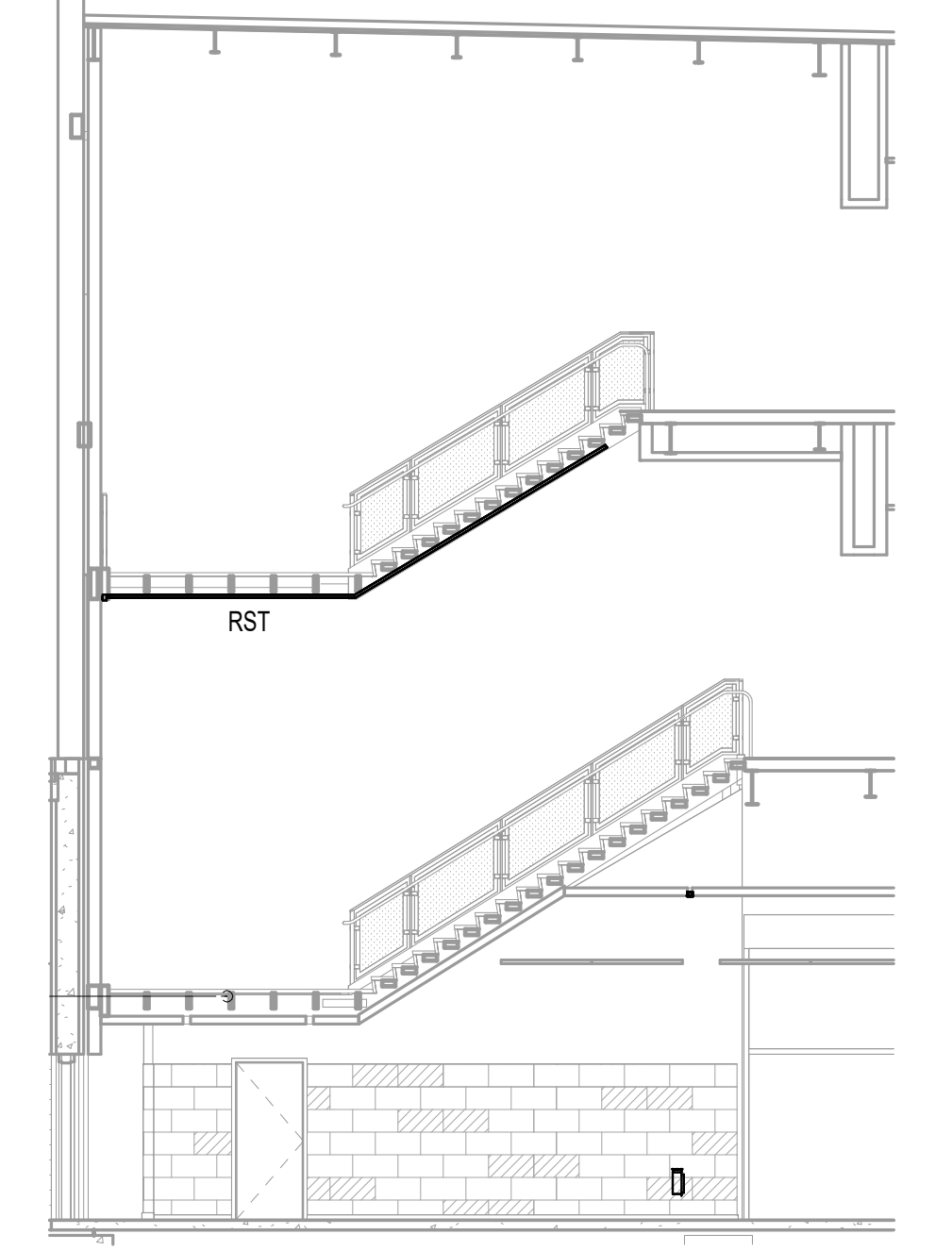
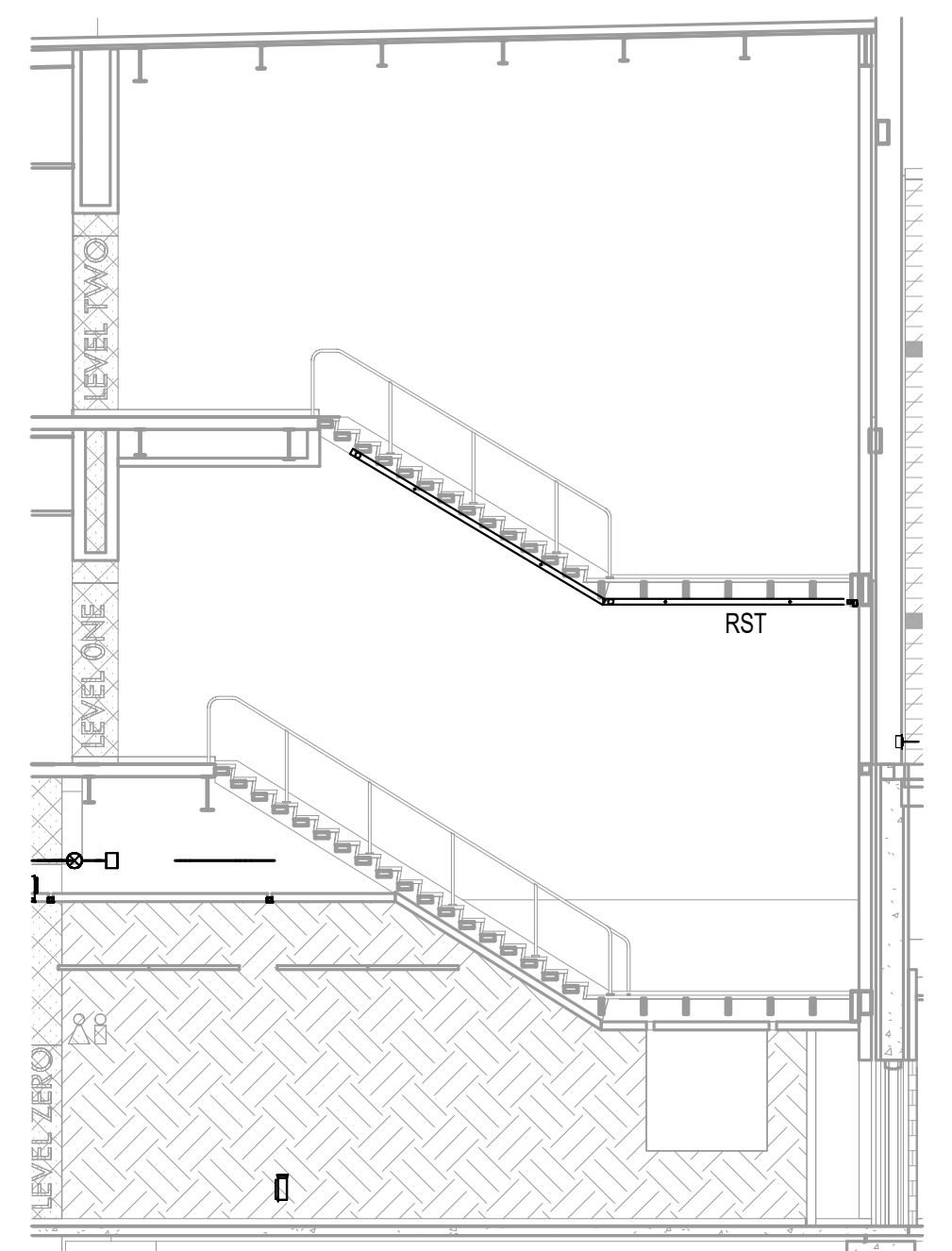
1 LIGHTING CEILING PLAN - Level 1 - UNIT B
1/8" = 1'-0"

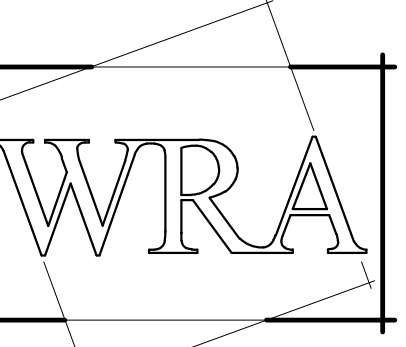


2 STAIR S3 - SOUTH
1/8" = 1'-0"

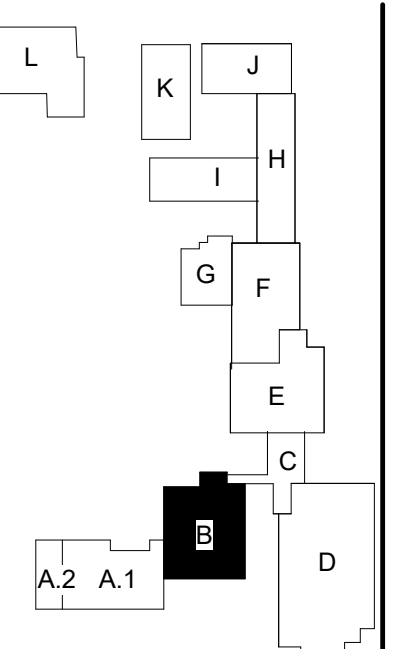


3 STAIR S3 - CENTER NORTH
1/8" = 1'-0"





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LIGHTING GENERAL NOTES

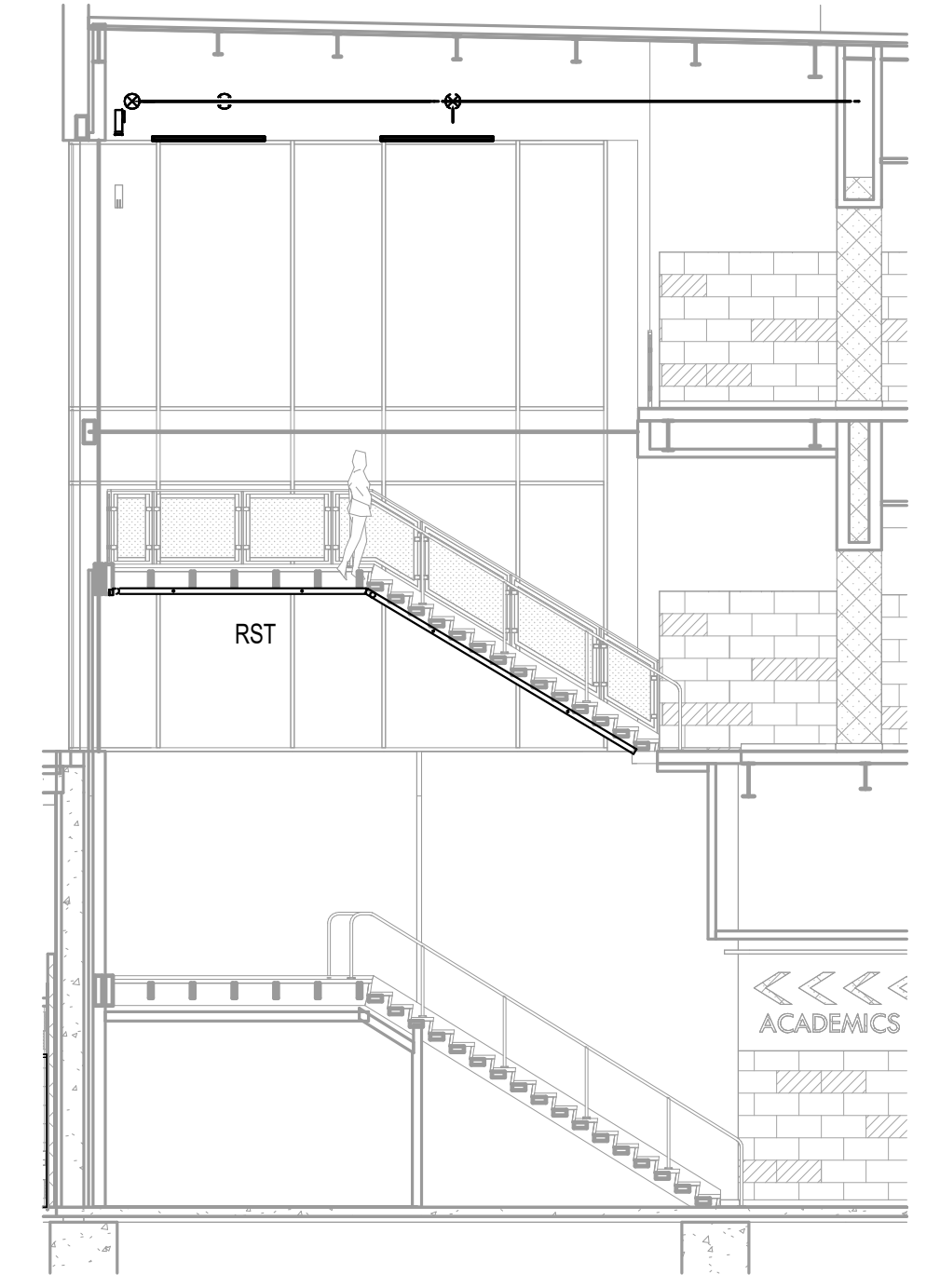
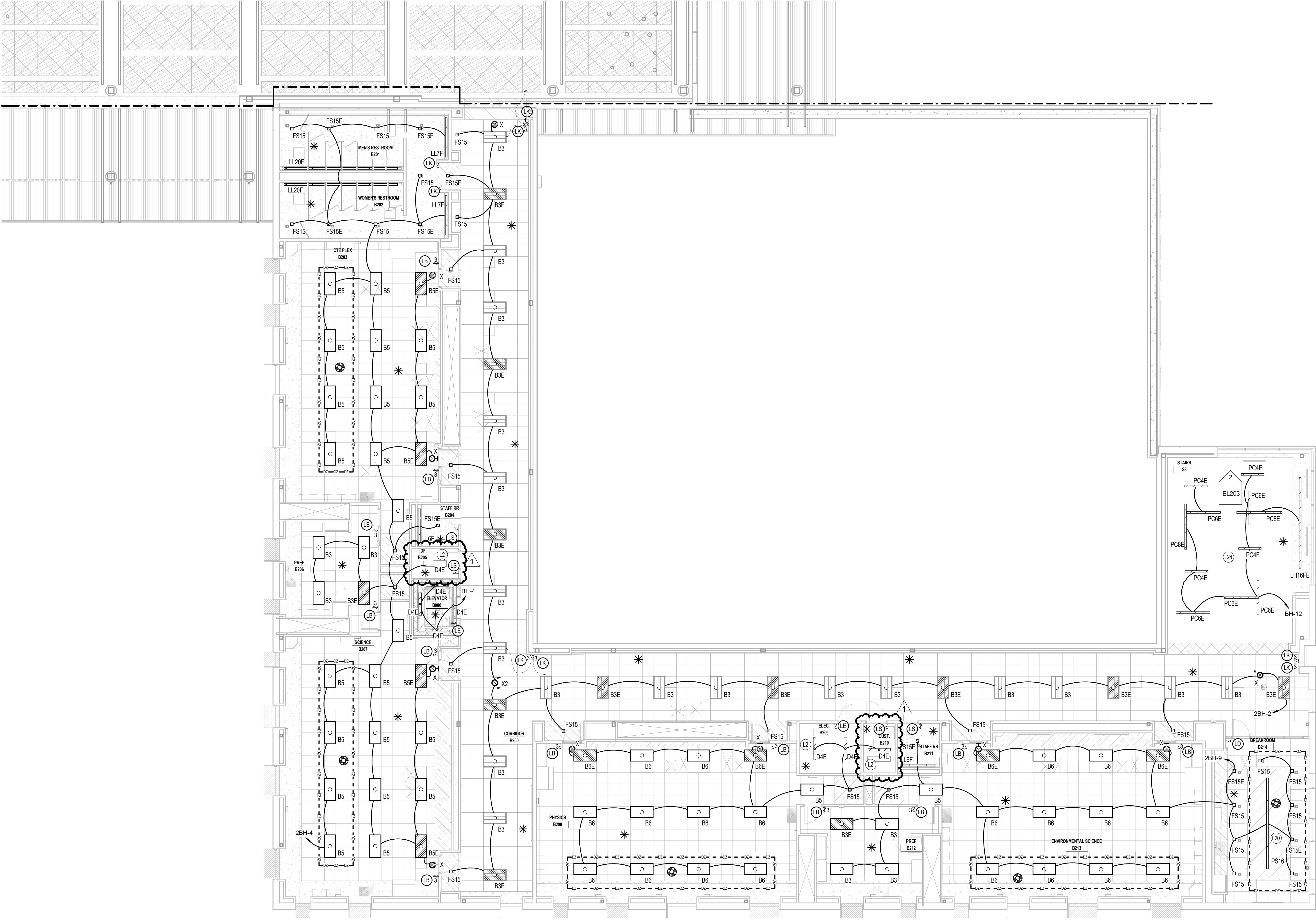
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LIGHTING PLAN NOTES

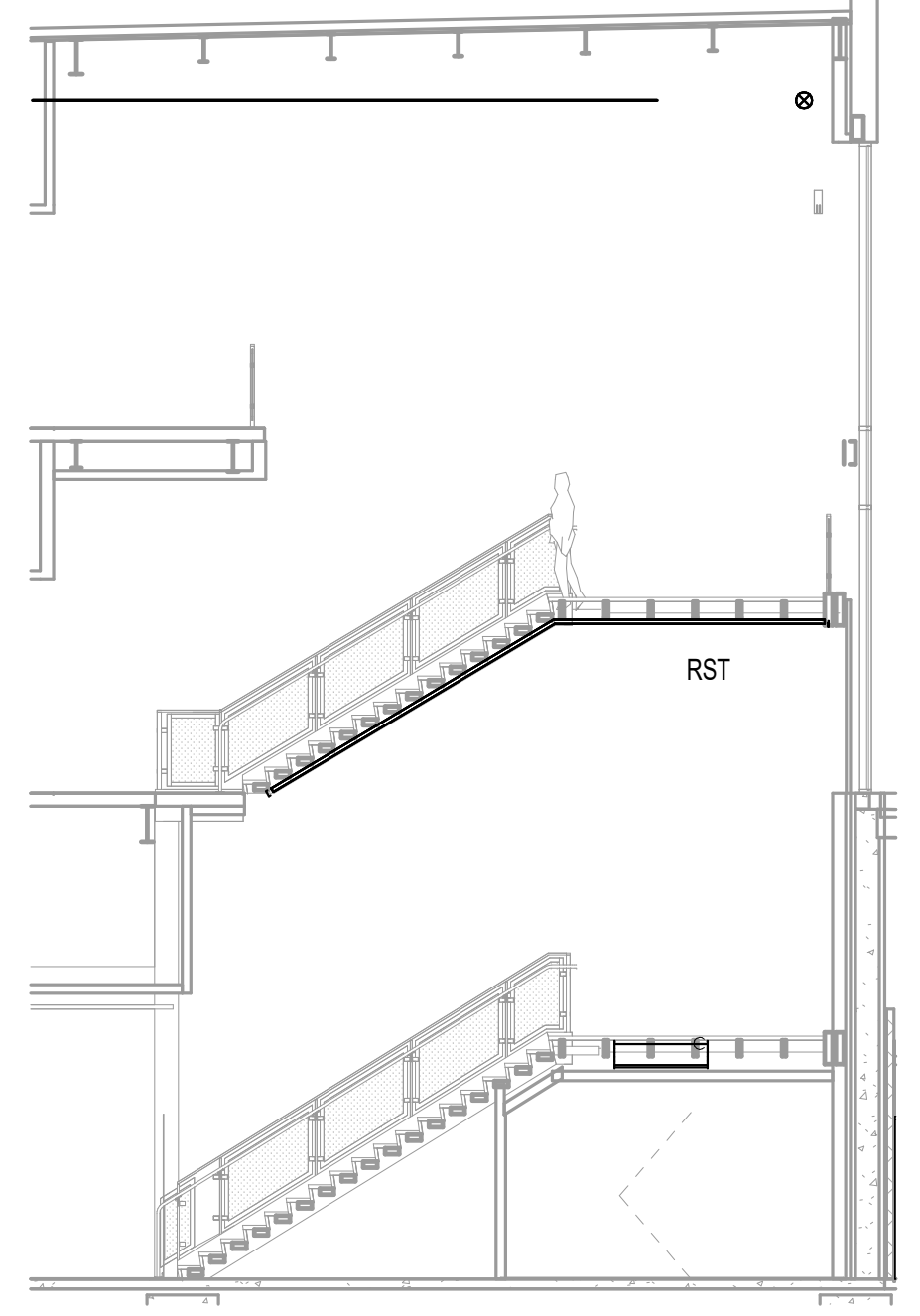
L2 INSTALL BOTTOM OF LUMINAIRES IN THIS SPACE AT 9'-0" A.F.F. INSTALL LUMINAIRES TO AVOID MECHANICAL EQUIPMENT.

L20 INSTALL BOTTOM OF LUMINAIRE AT 9'-0" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.

L24 LUMINAIRES TO BE MOUNTED AT VARYING HEIGHTS. SEE ARCHITECTURAL DETAIL FOR MORE INFORMATION.



2 STAIR S3 - NORTH
1/8" = 1'-0"



3 STAIR S3 - CENTER SOUTH
1/8" = 1'-0"

1 LIGHTING CEILING PLAN - Level 2 - New - UNIT B
1/8" = 1'-0"

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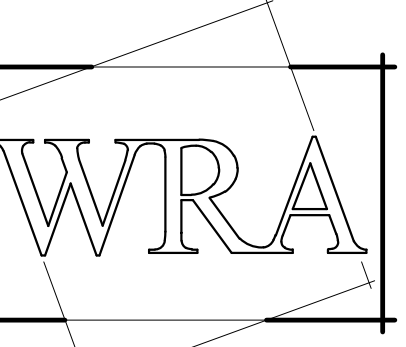
JOB NO.	2399
DATE:	09/19/2024
LIGHTING CEILING PLAN LEVEL 2 UNIT B	
EL205	

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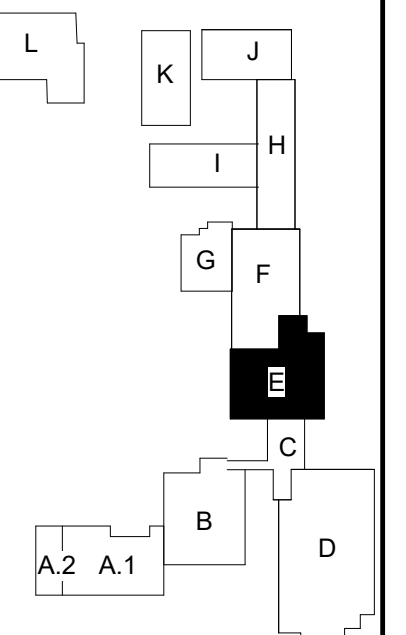
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1 065 0350 008

9/19/2024 10:45:06 AM



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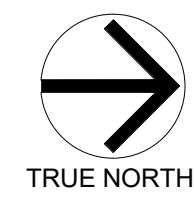
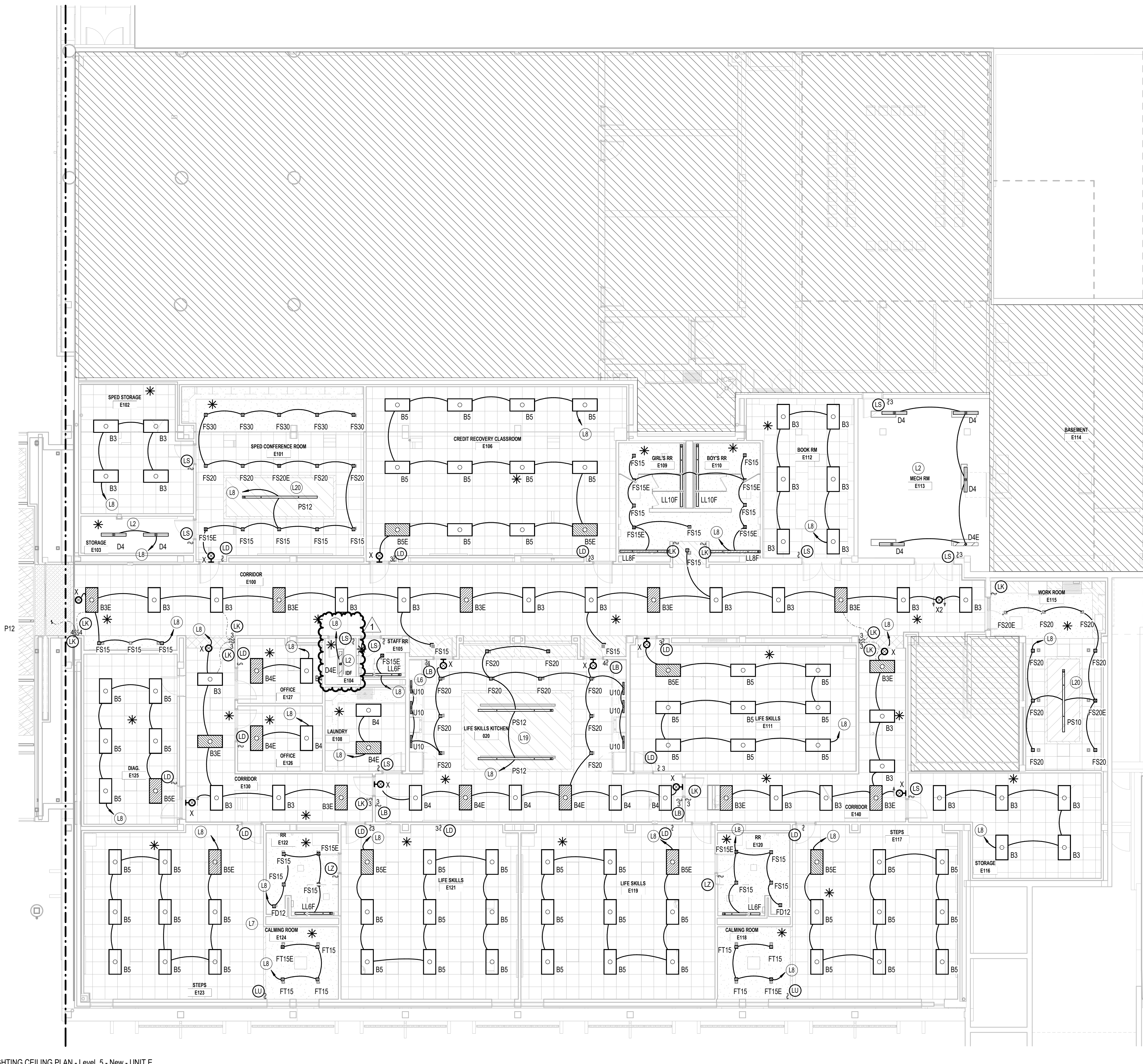


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- SEE SHEET EL701 FOR GENERAL NOTES AND PLAN NOTES APPLICABLE TO THE ENTIRE DRAWING SET.
- REFER TO LIGHTING CONTROL CHART FOR MORE INFORMATION ON LIGHTING CONTROL SWITCH PLAN NOTES (CIRCLE NOTES - LE, LC, ETC.)

LIGHTING PLAN NOTES

- L2 INSTALL BOTTOM OF LUMINAIRES IN THIS SPACE AT 9'-0" A.F.F. INSTALL LUMINAIRES TO AVOID MECHANICAL EQUIPMENT.
- L6 SWITCH FOR UNDER CABINET LIGHTING. INSTALL 6" ABOVE MILLWORK SPLASH. VERIFY EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
- L7 RENOVATION WORK TO TAKE PLACE ABOVE CEILING IN THIS ROOM. TIE ALL EXISTING LIGHTING TO STRUCTURE WHILE RENOVATIONS ARE TAKING PLACE. AFTER RENOVATION WORK IS COMPLETE, DROP EXISTING LIGHTING BACK INTO EXISTING LOCATIONS IN EXISTING OR NEW CEILING.
- L8 CIRCUIT TO NEAREST ACCEPTABLE EXISTING LIGHTING CIRCUIT IN THIS AREA. EXTEND CONDUIT AND WIRING AS NECESSARY.
- L19 INSTALL BOTTOM OF LUMINAIRE AT 10'-0" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.
- L20 INSTALL BOTTOM OF LUMINAIRE AT 9'-0" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.



1 LIGHTING CEILING PLAN - Level 5 - New - UNIT E
1/8" = 1'-0"

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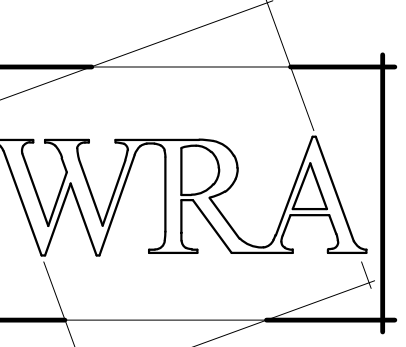
REVISIONS:	
No.	Date
1	Addendum 1 9/19/2024

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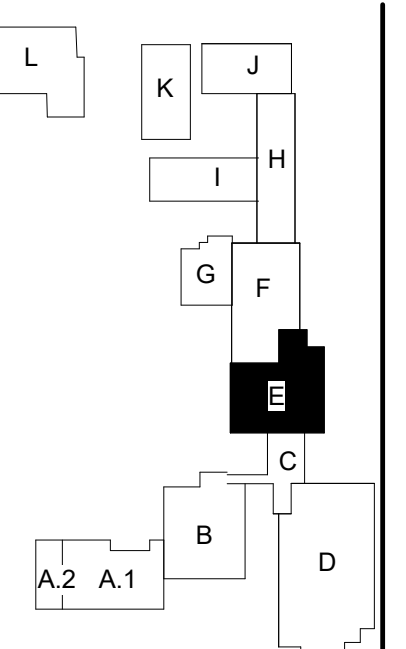
JOB NO.	2359
DATE:	09/19/2024

LIGHTING CEILING PLAN LEVEL 0.5 UNIT E

EL209



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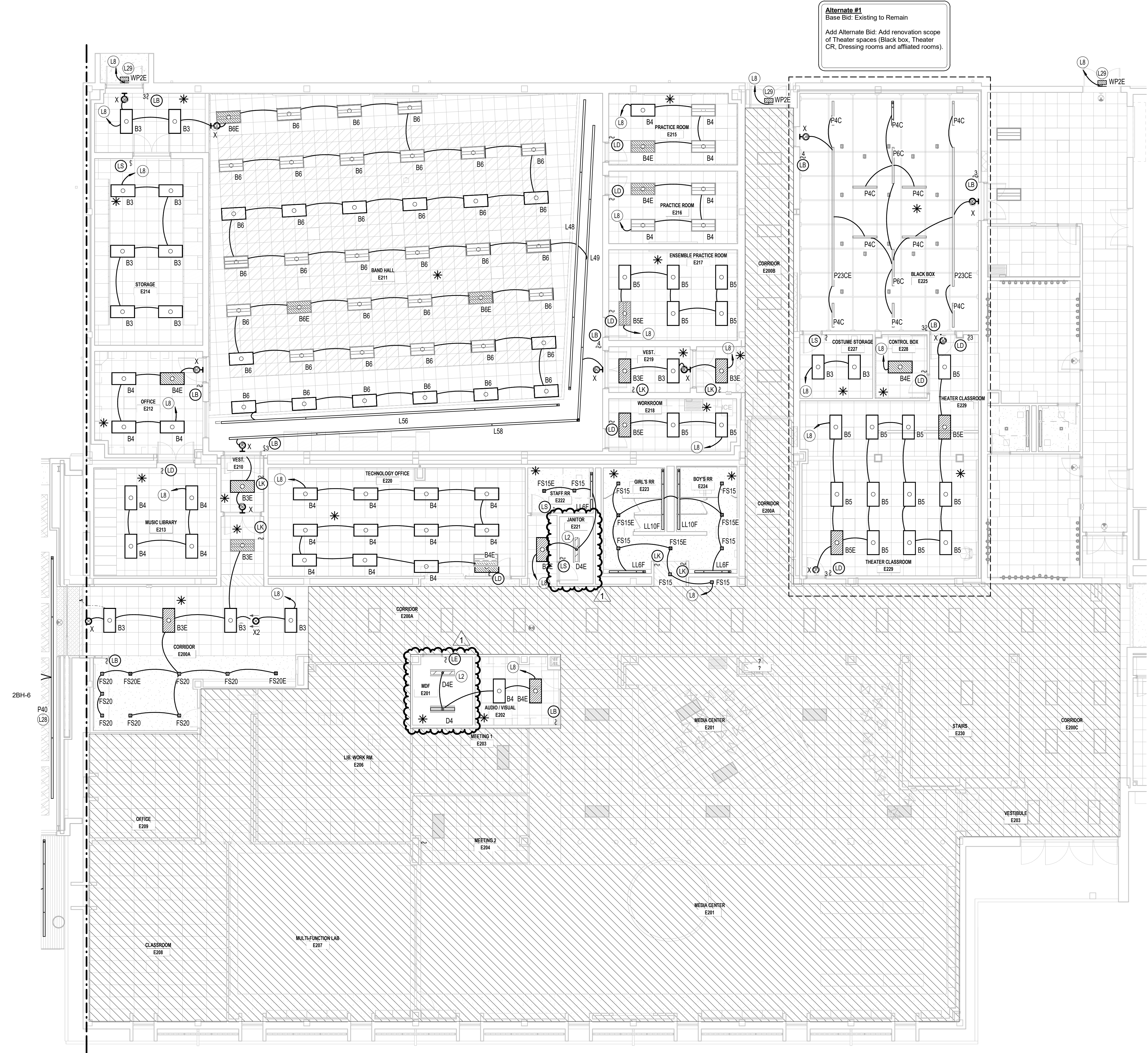
LIGHTING GENERAL NOTES

- SEE SHEET EL701 FOR GENERAL NOTES AND PLAN NOTES APPLICABLE TO THE ENTIRE DRAWING SET.
- REFER TO LIGHTING CONTROL CHART FOR MORE INFORMATION ON LIGHTING CONTROL SWITCH PLAN NOTES (CIRCLE NOTES - LE, LC, ETC.)

LIGHTING PLAN NOTES

- L2 INSTALL BOTTOM OF LUMINAIRES IN THIS SPACE AT 9'-0" A.F.F. INSTALL LUMINAIRES TO AVOID MECHANICAL EQUIPMENT.
- L8 CIRCUIT TO NEAREST ACCEPTABLE EXISTING LIGHTING CIRCUIT IN THIS AREA. EXTEND CONDUIT AND WIRING AS NECESSARY.
- L28 PROVIDE ASYMMETRIC THROW DISTRIBUTION AWAY FROM WALL AT THIS LINEAR LOCATION
- L29 INSTALL BOTTOM OF LUMINAIRE AT 8'-0" A.F.F. VERIFY EXACT INSTALLATION HEIGHT WITH ARCHITECT BEFORE INSTALLATION.

Alternate #1
Base Bid: Existing to Remain
Add Alternate Bid: Add renovation scope of Theater spaces (Black box, Theater CR, Dressing rooms and affiliated rooms).



1 LIGHTING CEILING PLAN - Level 1 - UNIT E
1/8" = 1'-0"

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ELECTRICAL SITE PLAN NOTES

- ES2 PROVIDE AND ROUTE UNDERGROUND SERVICE CONDUCTORS FROM UTILITY TRANSFORMER LOAD SIDE TO SECONDARY ENCLOSURE. PROVIDE AND ROUTE UNDERGROUND SERVICE CONDUCTORS FROM SECONDARY ENCLOSURE TO ELECTRICAL SERVICE DISCONNECT(S). REFER TO RISER DIAGRAM FOR MORE INFORMATION.
- ES4 FLAG POLE. REFER TO FLAG POLE DETAIL.
- ES8 APPROXIMATE LOCATION OF EXISTING UNDERGROUND UTILITY POWER.
- ES10 PROVIDE AND RUN UNDERGROUND TWO 4" CONDUITS FROM EXISTING UTILITY TRANSFORMER CONDUITS CURRENTLY PENETRATING SLAB TO NEW UTILITY COMPANY PROVIDED SWITCHGEAR TO ELECTRICAL SERVICE AT THE STREET. PROPOSED LOCATION IS SHOWN. VERIFY AND COORDINATE EXACT LOCATION AND ROUTING WITH UTILITY PROVIDER.
- ES13 APPROXIMATE LOCATION OF EXISTING OVERHEAD UTILITY POLE TO BE RELOCATED FOR NEW PARKING LOT. VERIFY AND COORDINATE EXACT LOCATION AND ROUTING WITH UTILITY COMPANY.
- ES14 APPROXIMATE LOCATION OF EXISTING UTILITY TRANSFORMER AND ELECTRICAL EQUIPMENT TO REMAIN IN PLACE AND OPERATIONAL.
- ES15 PROVIDE AND RUN UNDERGROUND TWO 4" CONDUITS FROM UTILITY SWITCHGEAR TO ELECTRICAL SERVICE AT THE STREET. PROPOSED LOCATION IS SHOWN. VERIFY AND COORDINATE EXACT LOCATION AND ROUTING WITH UTILITY PROVIDER.
- ES16 NEW FIBER PULL BOX TO BE INSTALLED BY THE DISTRICT. COORDINATE WITH OWNER FOR EXACT REQUIREMENTS.
- ES18 PROVIDE AND ROUTE 6-4" C WITH 4-#400 MCM, 1-#250 MCM GROUND IN EACH, UNDERGROUND SERVICE CONDUCTORS FROM NEW POLE UTILITY TRANSFORMER LOAD SIDE TO EXISTING ELECTRICAL SERVICE DISCONNECT(S). EXISTING UNDERGROUND SERVICE CONDUITS MAY BE INTERCEPTED AND RE-ROUTED AS NECESSARY IF DETERMINED THEY ARE OF ADEQUATE INTEGRITY. GC/EC TO COORDINATE WITH STRUCTURAL TO AVOID NEW SLAB DEPTH AND NEW PIERS, IF ANY.
- ES20 PROVIDE AND RUN UNDERGROUND TWO 3" CONDUITS FROM IRRIGATION CONTROLLER TO PROPOSED LOCATION. REFER TO LANDSCAPING IRRIGATION SHEETS FOR MORE INFORMATION. CAP AND MARK CONDUITS. COORDINATE WITH LANDSCAPER CONTRACTOR FOR EXACT LOCATION PRIOR TO INSTALLATION.
- ES21 ROADWAY LIGHTING ON EXISTING UTILITY POLES TO BE REMOVED ARE TO BE RELOCATED TO OPPOSITE SIDE OF STREET IN SAME APPROXIMATE LOCATIONS. COORDINATE WITH THE CITY OF FORT WORTH FOR MORE INFORMATION.
- ES22 PROVIDE POWER FOR FOOD TRUCKS OUTLETS FROM THE CIRCUITS SHOW. PROVIDE GFCI PROTECTION WITH A WEATHERPROOF ENCLOSURE. COORDINATE EXACT RECEPTACLE TYPE AND LOCATION WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- ES23 PROVIDE AND RUN UNDERGROUND TWO 2" CONDUIT FROM ELECTRICAL ROOM TO MARQUEE/SIGN FOR POWER AND LIGHTS. CAP AND MARK CONDUIT. PROVIDE AND RUN UNDERGROUND ONE SPARE 1" CONDUIT FROM ELECTRICAL ROOM TO MARQUEE/SIGN.

ELECTRICAL SITE PLAN GENERAL NOTES

- CONTRACTORS AND SUBCONTRACTORS SHALL VERIFY LOCATION, CONDUCT TEST AND INSPECTIONS. COORDINATE WITH UTILITIES, OWNER'S REPRESENTATIVES, AND CHECK FOR ALL UNDERGROUND UTILITIES AND LINES BEFORE DITCHING TAKES PLACE. CONTRACTOR AND SUBCONTRACTORS PERFORMING THESE DUTIES SHALL BE RESPONSIBLE FOR ANY REPAIRS OF CUT OR DAMAGED LINES AND UTILITIES NOT SHOWN ON PLANS.
- PROVIDE SEPARATE CONTACTORS FOR INDEPENDENT CONTROL OF EXTERIOR LIGHTING GROUPS PER LIGHTING CONTROL DETAIL.

ELECTRICAL PLAN NOTES

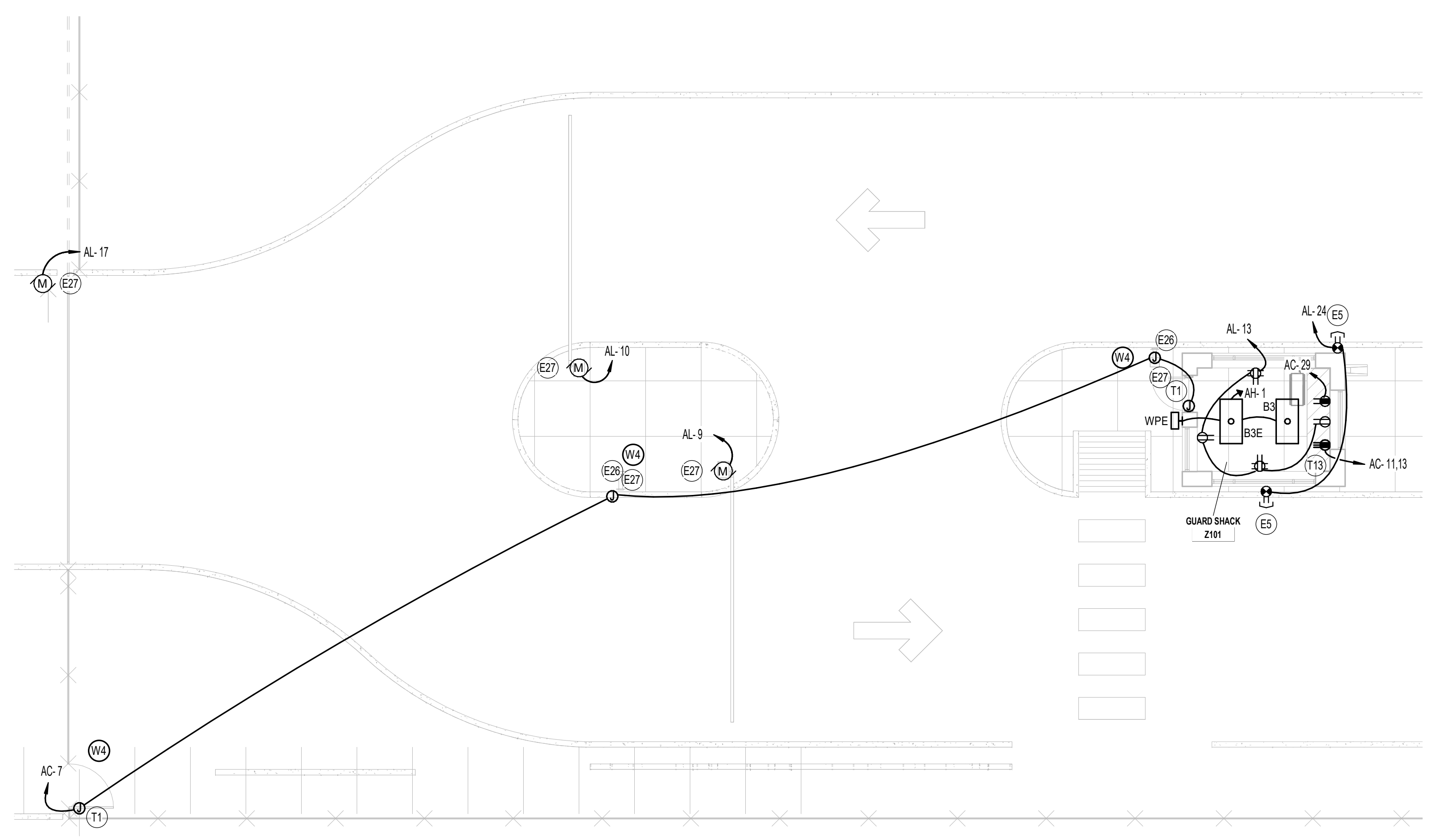
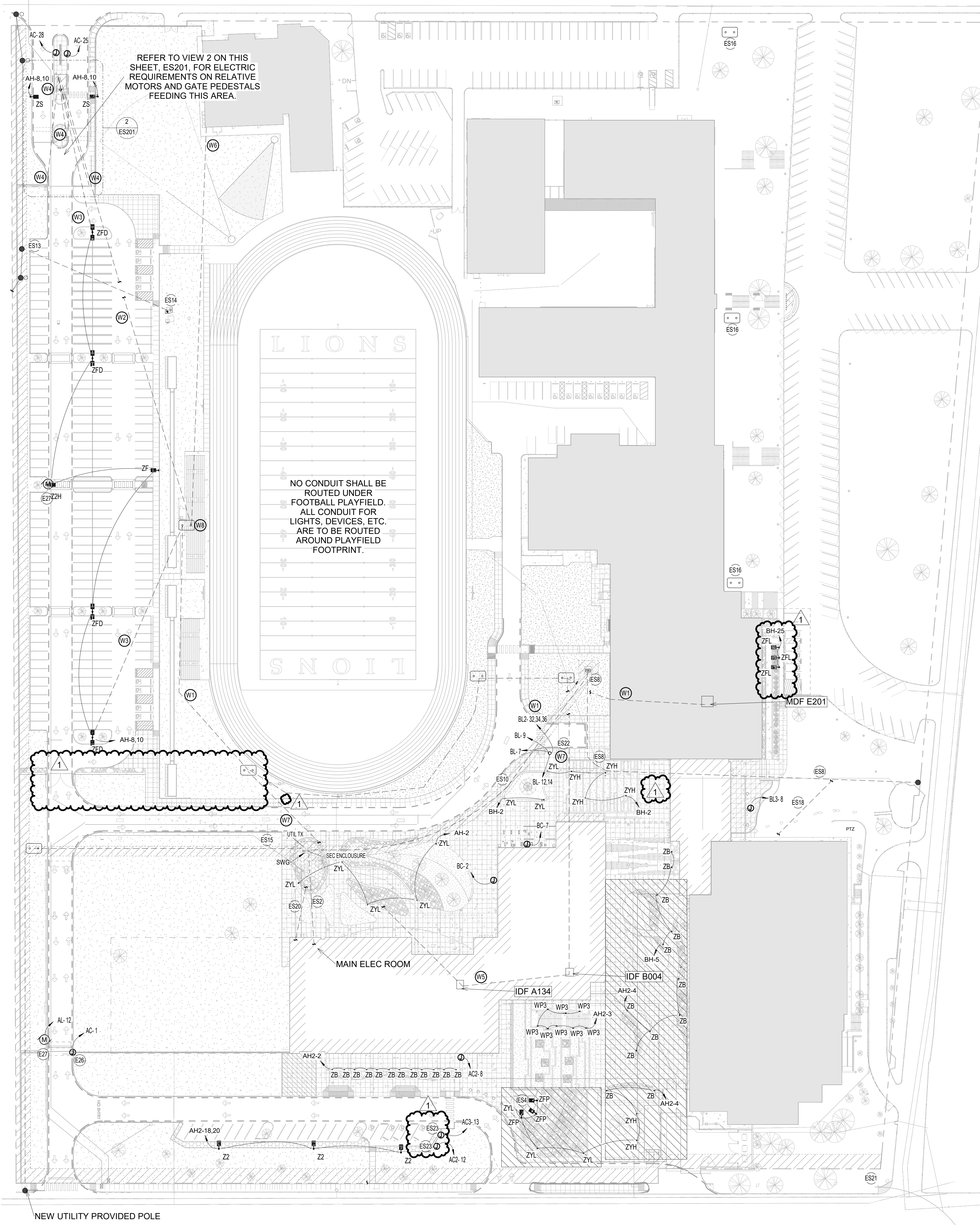
- E5 WEATHERPROOF GFCI MAINTENANCE OUTLET INSTALLED 18" A.F.F.
- E26 POWER TO GATE CONTROLS.
- E27 PROVIDE AND RUN UNDERGROUND TWO 2" CONDUIT FROM ELECTRICAL ROOM TO LOCATION SHOWN FOR DEVICE POWER. CAP AND MARK CONDUIT.

ELECTRICAL TECHNOLOGY PLAN NOTES

- T1 POWER ABOVE CEILING FOR ELECTRIC DOOR RELEASE HARDWARE FOR CONNECTION TO BUILDING ACCESS SYSTEM.
- T13 PROVIDE A HUBBELL TWIST-LOCK L6-30 (208V 30A) #G2620 RECEPTACLE OR EQUAL.

ELECTRICAL COMMUNICATION SITE PLAN NOTES

- W1 PROVIDE AND RUN UNDERGROUND THREE 2" CONDUITS FROM PRESSBOX PULLBOX TO MDF E201 IN EXISTING BUILDING. TURN UP SIDE OF EXISTING BUILDING AND STUB INTO ACCESSIBLE ATTIC SPACE. EXTEND CABLE TO MDF IN ACCESSIBLE ATTIC SPACE. ONE CONDUIT FOR FIBER NETWORK CABLE, ONE CONDUIT FOR FIRE AND SECURITY CABLE, AND ONE CONDUIT FOR SPARE.
- W2 PROVIDE AND RUN UNDERGROUND TWO 2" CONDUITS FROM PRESSBOX PULLBOX TO NEW IDF DATA RACK IN GUARD SHACK. ONE CONDUIT FOR FIBER NETWORK CABLE, AND ONE CONDUIT FOR SPARE.
- W3 PROVIDE AND RUN UNDERGROUND ONE 1.25" CONDUIT FROM POLE MOUNTED CAMERA TO IDF IN PRESS BOX
- W4 PROVIDE AND RUN UNDERGROUND ONE 1.25" CONDUIT FROM NEW IDF DATA RACK IN GUARD SHACK TO EACH GATE PEDESTAL AND ONE 1.25" CONDUIT FROM GUARD SHACK DATA RACK TO EACH GATE MOTOR.
- W5 PROVIDE AND RUN UNDERGROUND THREE 2" CONDUITS FROM IDF A134 TO IDF BOAR. ONE CONDUIT FOR FIBER NETWORK CABLE, ONE CONDUIT FOR FIRE AND SECURITY CABLE, AND ONE CONDUIT FOR SPARE.
- W6 PROVIDE AND RUN UNDERGROUND TWO 2" CONDUITS FROM PRESSBOX PULLBOX TO EXISTING FIELDHOUSE. TURN UP SIDE OF EXISTING BUILDING AND STUB INTO ACCESSIBLE ATTIC SPACE. ONE CONDUIT FOR FIRE ALARM INTERCONNECT CABLES, AND ONE CONDUIT FOR SPARE.
- W7 PROVIDE AND RUN UNDERGROUND TWO 2" CONDUITS FROM IDF TO PULLBOX FOR FUTURE USE.
- W8 PROVIDE PULLBOX FOR PRESS BOX. TO BE LOCATED SOUTH OF PRESSBOX CLEAR OF FIELD EVENT LOCATIONS. PROVIDE THREE 1.25" CONDUITS FROM PRESSBOX PULLBOX TO DATA RACK IN PRESSBOX. ONE CONDUIT FOR FIBER, ONE CONDUIT FOR DATA, AND ONE CONDUIT FOR SPARE. PROPOSED LOCATIONS AND ROUTING SHOWN. FIELD VERIFY AND COORDINATE EXACT ROUTING AND LOCATIONS PRIOR TO INSTALLATION.



NEW UTILITY PROVIDED POLE
1 ELECTRICAL SITE PLAN
1" = 50'-0"

2 ELECTRICAL SITE PLAN - SECURITY BOOTH
1/8" = 1'-0"
TRUE NORTH

9/19/2024 10:38:19 AM

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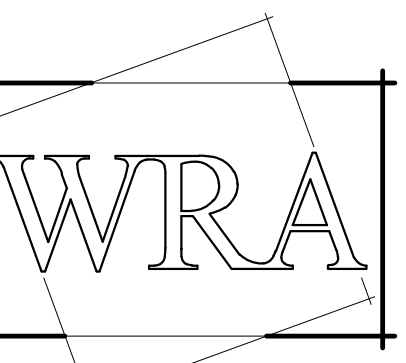
ELECTRICAL TECHNOLOGY PLAN NOTES

ELECTRICAL GENERAL NOTES

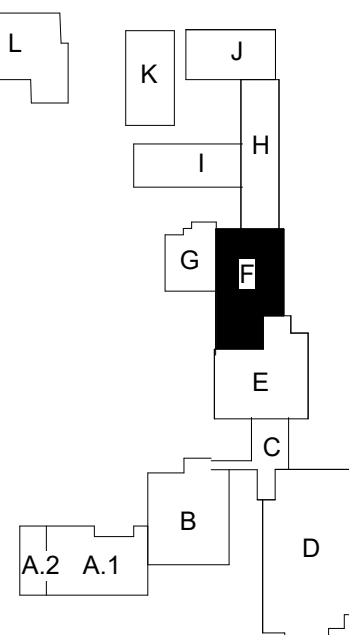
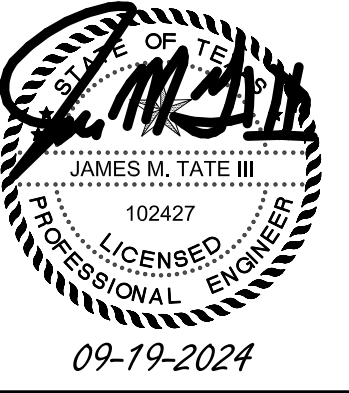
- SEE SHEET EP701 FOR GENERAL NOTES APPLICABLE TO THE ENTIRE DRAWING SET.
- ELECTRICAL SUBCONTRACTOR TO HOLD A PRECONSTRUCTION MEETING TO CONFIRM OUTLET LOCATIONS WITH OWNER AND ARCHITECT.

ELECTRICAL PLAN NOTES

- E2 OUTLET INSTALLED 6" ABOVE MILLWORK SPLASH. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- E7 HAND DRYER - COORDINATE EXACT INSTALLATION HEIGHT WITH ARCHITECT. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
- E9 KILN EXHAUST FAN - WHEN KILN IS TURNED ON, EXHAUST FAN IS TO COME ON AND RUN CONTINUOUSLY DURING KILN RUNNING TIME AND FOR TWO HOURS AFTER KILN TURNS OFF. PROVIDE A TIME DELAY RELAY SET TO TURN ON FOR TWO HOURS AND CONTINUE TO RUN EXHAUST FAN AFTER KILN HAS TURNED OFF. THE KILN TIMER MADE FOR THE EXHAUST FAN MAY ALSO BE USED.
- E15 FOR ALL RECEPTACLES ADJACENT TO THE MIRRORS AND ABOVE THE DRESSING OR MAKEUP COUNTERS, PROVIDE ONE SWITCH LOCATED INSIDE THE ROOM AND CONTROL RECEPTACLES THROUGH A CONTACTOR. PROVIDE ADDITIONAL SWITCHES IF NEEDED TO CONTROL RECEPTACLES. FOR EACH SWITCH PROVIDE A CORRESPONDING INDICATOR LIGHT - REFER TO INDICATOR LIGHT NOTE.
- E16 PROVIDE INDICATOR LIGHT - FOR EACH SWITCH REQUIRED TO TURN OFF RECEPTACLES OR LIGHTS AT MIRRORS OR MAKEUP COUNTERS, PROVIDE AN INDICATOR LIGHT AT SWITCH HEIGHT OUTSIDE OF AND ADJACENT TO THE DOOR OF THE ROOM BEING CONTROLLED TO INDICATE WHEN THE CIRCUIT IS ENERGIZED. EACH INDICATOR LIGHT SHALL BE PERMANENTLY IDENTIFIED INDICATING A DESCRIPTION OF THE CIRCUIT CONTROLLED. ENGRAVE WALL PLATE WITH "VANITY RECEPTACLES ON" AND "VANITY LIGHTS ON". PROVIDE INDICATOR LIGHT SOLICO 29-125V-15-LENS 383 - RED OR EQUAL. LIGHT FINISH COLOR AND PLATE TO MATCH OTHER WALL PLATES ON THIS PROJECT.
- E28 PROVIDE POWER TO NEW DEVICE BY TYING IN TO AN EXISTING CIRCUIT IN THIS AREA. NO MORE THAN 8 DEVICES CAN BE ON ONE CIRCUIT. EXTEND WIRE AND CONDUIT AS NEEDED.



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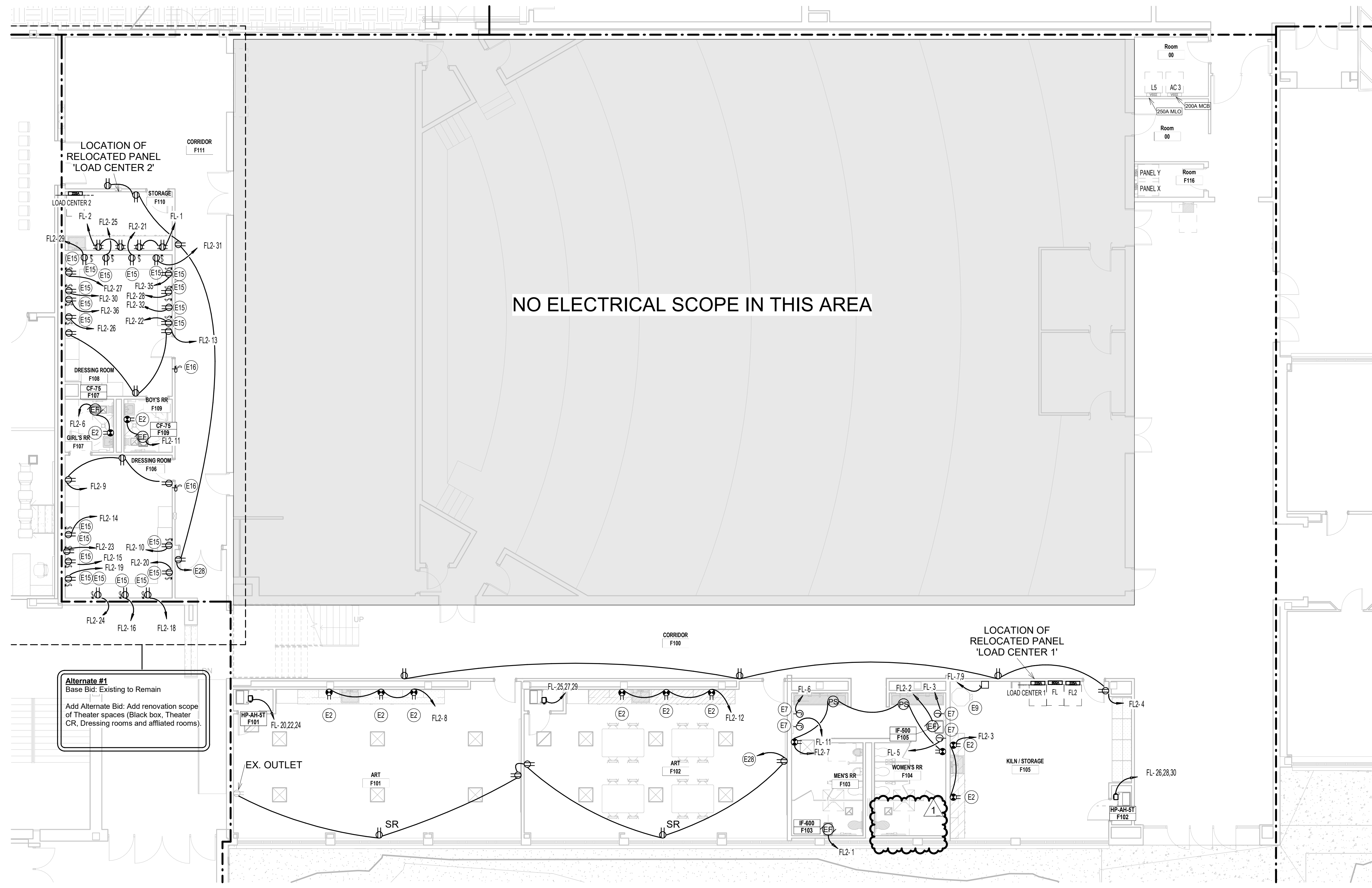


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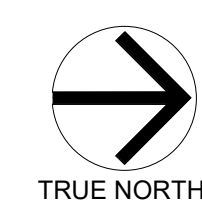
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DATE:	09/19/2024

ELECTRICAL FLOOR PLAN - LEVEL 1.5 UNIT F
EP211



Alternate #1
Same Bid: Existing to Remain
Add Alternate Bid: Add renovation scope of Theater spaces (Black box, Theater CR, Dressing rooms and affiliated rooms).

1 ELECTRICAL FLOOR PLAN - Level 1.5 UNIT F
1/8" = 1'-0"



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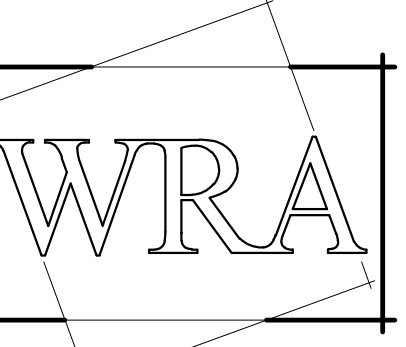
ELECTRICAL PLAN NOTES

E1 WEATHERPROOF GFCI MAINTENANCE OUTLET MOUNTED BELOW DISCONNECT.

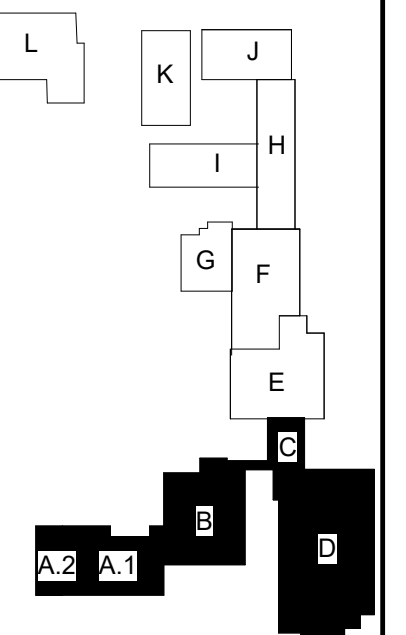
ELECTRICAL ROOF GENERAL NOTES

(SOME NOTES MAY NOT BE USED)

1. THIS CONTRACTOR TO COORDINATE ALL EQUIPMENT WITH ROOFING CONTRACTOR. COORDINATE UNIT LOCATION, ORIENTATION AND ROOF SUPPORTS WITH LOCATION OF ELECTRICAL POWER AND CONTROL WIRING CONDUIT.
2. ALL UNITS ARE TO BE CIRCUITED UP THROUGH THE BOTTOM OF THE UNIT IF POSSIBLE. FOR MORE INFORMATION, SEE RTU POWER SUPPLY DETAIL. DO NOT USE A ROOFTOP PENETRATION, UNLESS THE UNIT CANNOT BE CIRCUITED UP THROUGH THE BOTTOM OF THE UNIT.
3. FUSED DISCONNECTS ARE TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. DISCONNECT TO BE INSTALLED ON EACH PIECE OF HVAC EQUIPMENT WHERE POSSIBLE. NEVER INSTALL DISCONNECT OVER ANY ACCESS PANEL OR UNIT LABEL/TAG. IF THERE IS NO SUITABLE LOCATION ON THE UNIT TO MOUNT THE DISCONNECT, THEN MOUNT THE DISCONNECT ON A UNSTRUT RACK AT OR NEAR THE UNIT AND LABEL THE DISCONNECT ACCORDING TO THE UNIT IT SERVES. LABEL TO BE PHENOLIC ENGRAVED AND ATTACHED WITH MECHANICAL FASTENERS. SEE SPECIFICATIONS FOR MORE INFORMATION. IF ROOF PENETRATIONS ARE REQUIRED TO CIRCUIT THE UNIT, THE ELECTRICAL CONTRACTOR SHALL WORK WITH THE PLUMBING CONTRACTOR AND MECHANICAL CONTRACTOR WHERE POSSIBLE TO SHARE ROOF PENETRATIONS. FOR MORE INFORMATION, SEE ROOFTOP WIRING DETAIL AND HOODED ROOF PENETRATION DETAIL.
4. FOR ALL UNITS WITH PLASMA AIR IONIZATION DEVICE. PROVIDE CONTROL WIRING AS REQUIRED BY MANUFACTURER FROM 24 VAC FAN CONTROL TERMINALS TO 24 VAC POWER INPUT TERMINALS ON IONIZATION DEVICE.
5. ON ALL UNITS, PROVIDE A LIGHTNING SURGE ARRESTOR PER SPECIFICATION.
6. REFER TO ELECTRICAL GENERAL NOTES AND SYMBOLS SHEET FOR MECHANICAL UNIT DISCONNECT AND FUSES SIZES. REFER TO ELECTRICAL PANEL SCHEDULES AND MECHANICAL SCHEDULES FOR UNIT REQUIREMENTS.



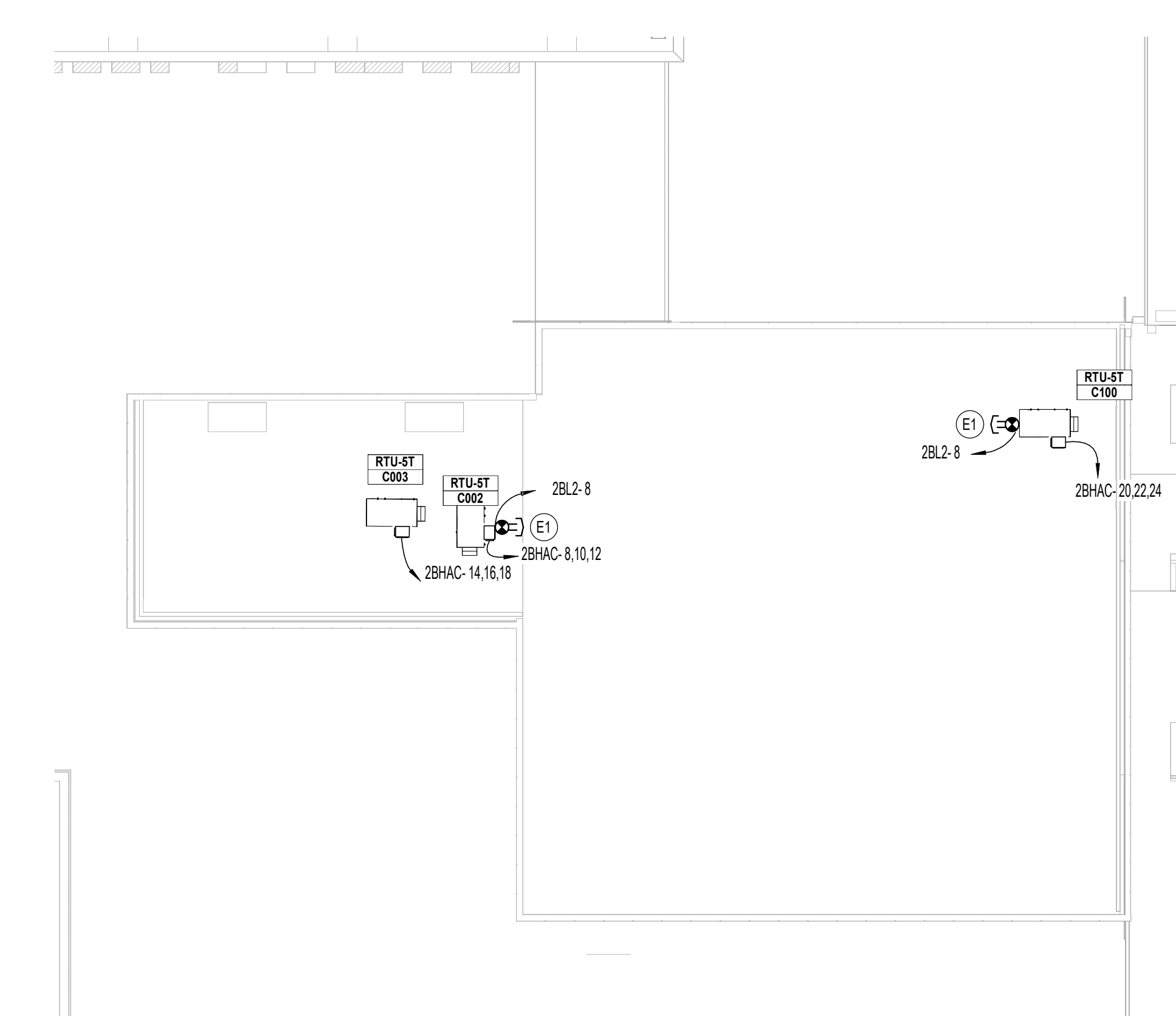
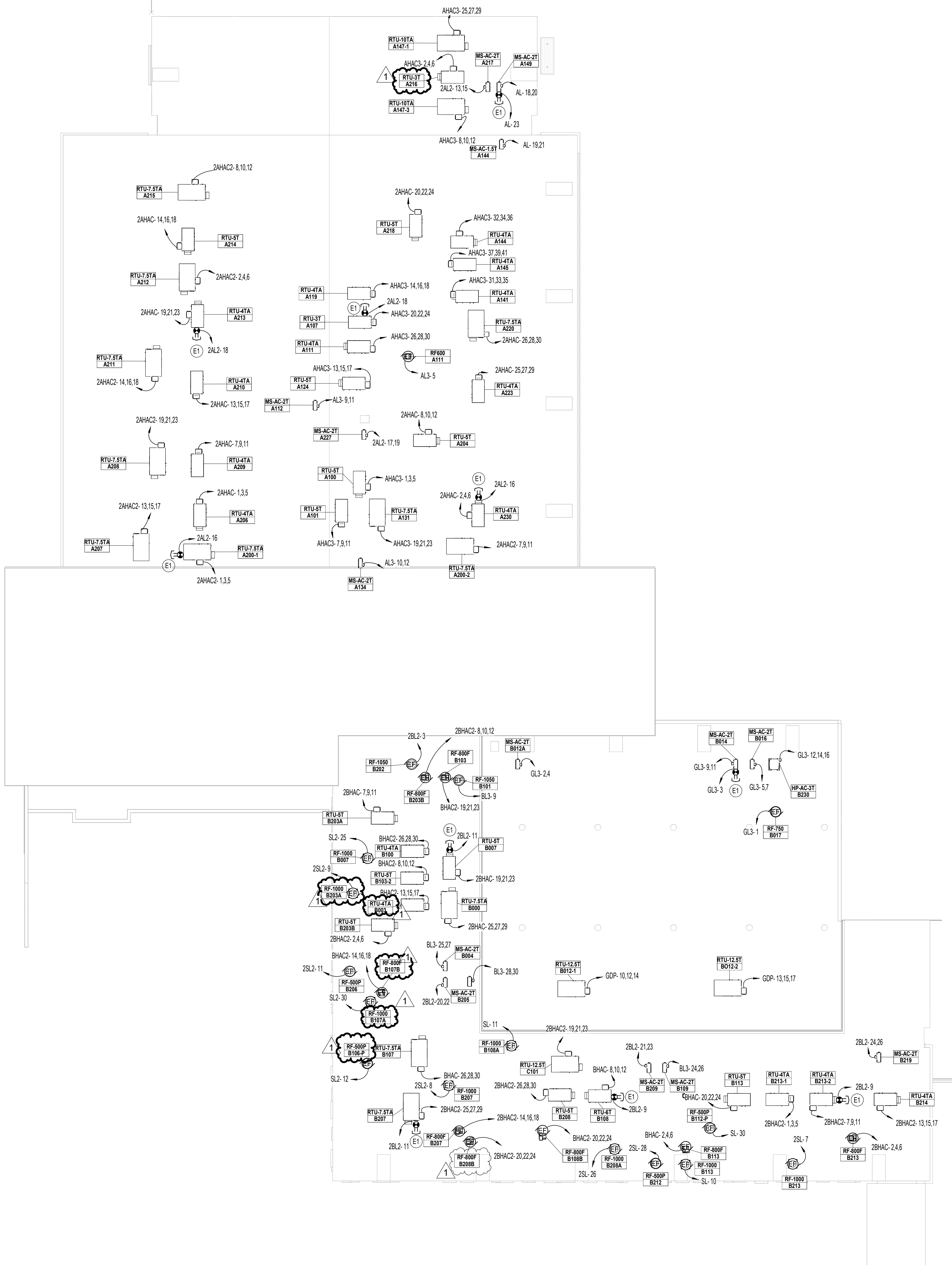
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No.	Date
1	9/19/2024

JOB NO.	2359
DATE:	09/19/2024
ELECTRICAL ROOF PLAN	
EP601	



1 ELECTRICAL ROOF PLAN - CTE
1/16" = 1'-0"



2 ELECTRICAL ROOF PLAN - CONNECTOR
1/16" = 1'-0"

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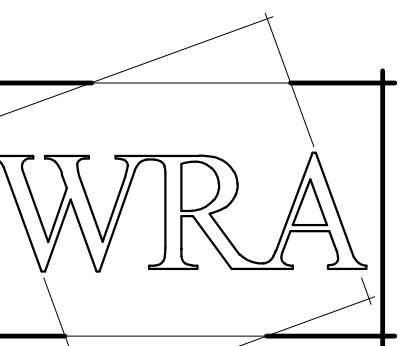
ELECTRICAL PLAN NOTES

- E1 WEATHERPROOF GFCI MAINTENANCE OUTLET MOUNTED BELOW DISCONNECT.
- E36 NEW HVAC UNIT. REUSE EXISTING CIRCUIT TO PROVIDE POWER TO NEW HVAC UNIT. PROVIDE 400A 3 POLE BREAKER, (2)#3/0 WIRE, 400A DISC AND 350A FUSES.
- E38 NEW HVAC UNIT. REUSE EXISTING CIRCUIT TO PROVIDE POWER TO NEW HVAC UNIT. PROVIDE AND INSTALL NEW 50A 3 POLE BREAKER, #6 WIRE, 60A DISCONNECT, 50A FUSES AND SPD PER SPECIFICATIONS. EXTEND EXISTING CIRCUIT TO NEW UNIT AS REQUIRED.
- E41 PROVIDE POWER TO NEW DEVICES SHOWN FROM A DEDICATED CIRCUIT IN A NEAREST 120/208V PANEL USING A 20A BREAKER AND #8 WIRE.
- E57 EXISTING HVAC UNIT TO REMAIN IN PLACE AND OPERATIONAL.

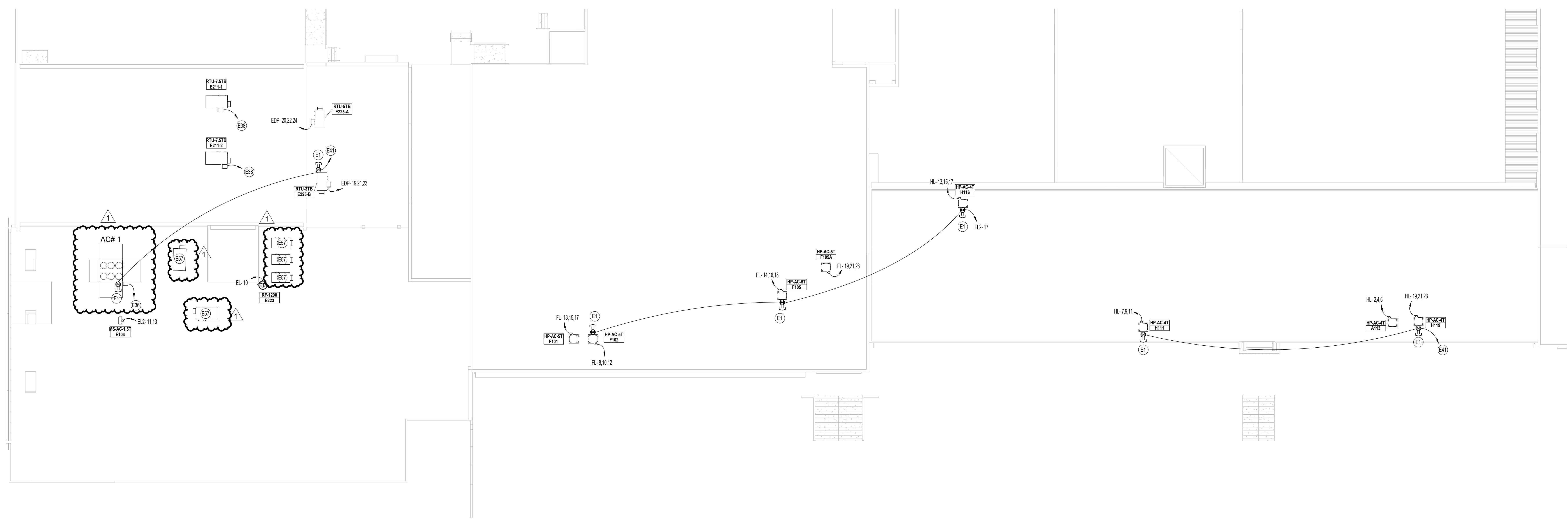
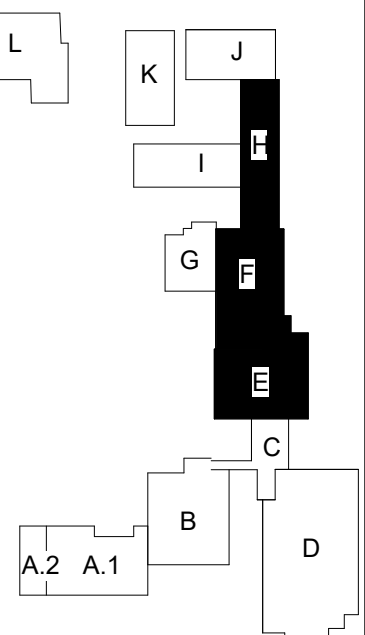
ELECTRICAL ROOF GENERAL NOTES

(SOME NOTES MAY NOT BE USED)

1. THIS CONTRACTOR TO COORDINATE ALL EQUIPMENT WITH ROOFING CONTRACTOR. COORDINATE UNIT LOCATION, ORIENTATION AND ROOF SUPPORTS WITH LOCATION OF ELECTRICAL POWER AND CONTROL WIRING CONDUIT. ALL UNITS ARE TO BE CIRCUITED UP THROUGH THE BOTTOM OF THE UNIT IF POSSIBLE. FOR MORE INFORMATION, SEE RTU POWER SUPPLY DETAIL. DO NOT USE A ROOFTOP PENETRATION, UNLESS THE UNIT CANNOT BE CIRCUITED UP THROUGH THE BOTTOM OF THE UNIT.
2. FUSED DISCONNECTS ARE TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. DISCONNECT TO BE INSTALLED ON EACH PIECE OF HVAC EQUIPMENT WHERE POSSIBLE. NEVER INSTALL DISCONNECT OVER ANY ACCESS PANEL OR UNIT LABEL/TAG. IF THERE IS NO SUITABLE LOCATION ON THE UNIT TO MOUNT THE DISCONNECT, THEN MOUNT THE DISCONNECT ON A UNISTRUT RACK AT OR NEAR THE UNIT AND LABEL THE DISCONNECT ACCORDING TO THE UNIT IT SERVES. LABEL TO BE PHENOLIC ENGRAVED AND ATTACHED WITH MECHANICAL FASTENERS. SEE SPECIFICATIONS FOR MORE INFORMATION. IF ROOF PENETRATIONS ARE REQUIRED TO CIRCUIT THE UNIT, THE ELECTRICAL CONTRACTOR SHALL WORK WITH THE PLUMBING CONTRACTOR AND MECHANICAL CONTRACTOR WHERE POSSIBLE TO SHARE ROOF PENETRATIONS. FOR MORE INFORMATION, SEE ROOFTOP WIRING DETAIL AND HOODED ROOF PENETRATION DETAIL.
3. FOR ALL UNITS WITH PLASMA AIR IONIZATION DEVICE. PROVIDE CONTROL WIRING AS REQUIRED BY MANUFACTURER FROM 24 VAC FAN CONTROL TERMINALS TO 24 VAC POWER INPUT TERMINALS ON IONIZATION DEVICE.
4. ON ALL UNITS, PROVIDE A LIGHTNING SURGE ARRESTOR PER SPECIFICATION.
5. REFER TO ELECTRICAL GENERAL NOTES AND SYMBOLS SHEET FOR MECHANICAL UNIT DISCONNECT AND FUSES SIZES. REFER TO ELECTRICAL PANEL SCHEDULES AND MECHANICAL SCHEDULES FOR UNIT REQUIREMENTS.



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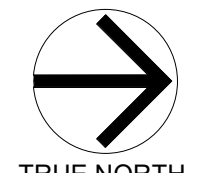


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No.	Date
1 Addendum 1	9/19/2024

JOB NO.	2399
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ELECTRICAL ROOF PLAN	
EP602	
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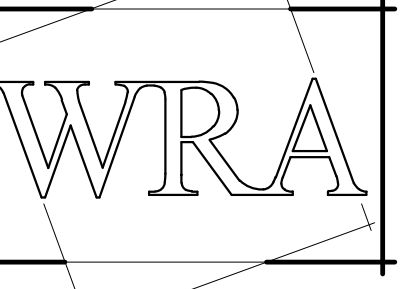
1 ELECTRICAL ROOF PLAN - HS
1/16" = 1'-0"



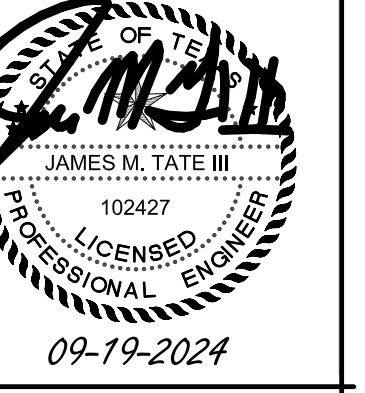
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DESIGN SOLVE ENHANCE
SUBMISSION OF BID WILL BE CONSIDERED ACKNOWLEDGMENT THAT THE CONTRACTOR HAS VISITED THE SITE AND HAS VERIFIED ALL EXISTING JOB CONDITIONS AND INCLUDED ANY NECESSARY MODIFICATION TO EXISTING AND NEW WORK REQUIRED FOR INSTALLATION OF A COMPLETE AND WORKING SYSTEM.

1 065 0350 008



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12377 Merit Dr. #1800
Dallas, Texas 75251
214-750-0077
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Castleberry ISD High School Addn.
 215 CHURCHILL ROAD, FORT WORTH, TEXAS - 76114

Panel - ADP2 Bus - 600 A / MCB 600A In Room - ELECTRICAL A112
Mount - Surface / NEMA 1
Fed From - **MSB** Service - **480/277 3ph 4w** Branch AIC - 50,000
Load: A- 390 A, B- 390 A, C- 391 A

Notes: See Riser Diagram for feeder info.

#	Load	P	Trip	Wire	A	B	C	Wire	Trip	#	Load
1	Panel AH2	3	125 A	10	2A/10A			10	125 A	3	SPACE
3											TXAL3 - 75kVA, 150C Rise
5											
7	SPACE	1	--	--	0A/12A				--	1	SPACE
9	SPACE	1	--	--	0A/20A			(2)30	400 A	3	Panel AHAC3
11	TXAC2 - 75kVA, 150C Rise	3	125 A	10	2A/10A						
13											
15											SPACE
17	SPACE	1	--	--	0A/10A				--	1	SPACE
19	SPACE	1	--	--	0A/10A				--	1	SPACE
21	SPACE	1	--	--	0A/10A				--	1	SPACE
23	SPACE	1	--	--	0A/10A				--	1	SPACE
25	SPACE	1	--	--	0A/10A				--	1	SPACE
27	SPACE	1	--	--	0A/10A				--	1	SPACE
29	SPACE	1	--	--	0A/10A				--	1	SPACE
31	SPARE	1	20 A	--	0A/10A				--	1	SPACE
33	SPARE	1	20 A	--	0A/10A				--	1	SPACE
35	SPARE	1	20 A	--	0A/10A				--	1	SPACE
37	SPARE	1	20 A	--	0A/10A				--	1	SPACE
39	SPARE	1	20 A	--	0A/10A				--	1	SPACE
41	SPARE	1	20 A	--	0A/10A				--	1	SPACE
43	SPARE	1	20 A	--	0A/10A				--	1	SPACE

Legend: Phase A,B,C values are in Amps.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	164130 VA	100.00%	164130 VA	Total Conn. Load: 324398 VA Total Est. Demand: 397 A
Lighting	20827 VA	125.00%	26034 VA	
Motor	25019 VA	100.00%	25019 VA	
NonLinear Tech	51660 VA	79.84%	41245 VA	
Power	22506 VA	100.00%	22506 VA	
Receptacles	38139 VA	63.11%	24069 VA	
Utility Control Panel	1500 VA	100.00%	1500 VA	

Panel - AH2 Bus - 125 A / MLO In Room - ELECTRICAL A112
Mount - Surface / NEMA 1
Fed From - **ADP2** Service - **480/277 3ph 4w** Branch AIC - 35,000
Load: A- 25 A, B- 25 A, C- 25 A

Notes: See Riser Diagram for feeder info.

#	Load	P	Trip	Wire	A	B	C	Wire	Trip	#	Load
1	Lighting	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Parking Lot Lights Thru M.H. Contactor
3	Exterior Wall Packs Thru M.H. Contactor	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Parking Lot Lights Thru M.H. Contactor
5	Lighting	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Lighting
7	Lighting	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Lighting
9	Lighting	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Lighting
11	Lighting	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Lighting
13	Lighting	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Lighting
15	Lighting, Reception A101	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Lighting
17	Lighting	1	20 A	#12	0A/1A	#12	20 A	2	20 A	2	Parking Lot Lights Thru M.H. Contactor
19	SPACE	1	--	--	0A/1A				--	--	
21	SPACE	1	--	--	0A/1A				--	--	
23	SPACE	1	--	--	0A/1A				--	--	
25	SPACE	1	--	--	0A/1A				--	--	
27	SPACE	1	--	--	0A/1A				--	--	
29	SPACE	1	--	--	0A/1A				--	--	
31	SPARE	1	20 A	--	0A/1A				--	--	
33	SPARE	1	20 A	--	0A/1A				--	--	
35	SPARE	1	20 A	--	0A/1A				--	--	
37	SPARE	1	20 A	--	0A/1A				--	--	
39	SPARE	1	20 A	--	0A/1A				--	--	
41	SPARE	1	20 A	--	0A/1A				--	--	

Legend: Phase A,B,C values are in Amps.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	20827 VA	125.00%	26034 VA	Total Conn. Load: 20827 VA Total Est. Demand: 26034 VA Total Conn.: 25 A Total Est. Demand: 31 A

Panel - AL3 Bus - 250 A / MCB 250A In Room - ELECTRICAL A112
Mount - Surface / NEMA 1
Fed From - **TXAL3** Service - **120/208 3ph 4w** Branch AIC - 18,000
Load: A- 169 A, B- 170 A, C- 166 A

Notes: See Riser Diagram for feeder info.

#	Load	P	Trip	Wire	A	B	C	Wire	Trip	#	Load
1	FIRE Alarm Control Panel	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Millwork Tape Lighting, Reception A101
3	Refrigerator - on GFCI BKR	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Microwave Oven - on GFCI outlet
5	#A111 - EF Motor	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	GP Outlets
7	Ice Machine - on GFCI BKR	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	GP Outlets
9	#A112 - AHAC THRU 30A DISC W/ 20A FUSES	1	20 A	#12	0A/1A	#12	20 A	2	20 A	2	#A134 - AHAC THRU 30A DISC W/ 20A FUSES
11											
13	GP Outlets	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Microwave Oven - on GFCI outlet
15	GFCI Outlets	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	GP Outlets
17	Dishwasher - on GFCI BKR, GP Outlets	1	20 A	#10	0A/1A	#10	20 A	1	20 A	1	GP Outlets
19	GFCI Outlets	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	GP Outlets
21	GP Outlets	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Refrigerator - on GFCI BKR
23	GP Outlets	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	GFCI Outlets
25	GP Outlets	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Refrigerator - on GFCI BKR
27	GP Outlets	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Microwave Oven - on GFCI outlet
29	GP Outlets	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Water Heater - 1500W Thru 30A Non-Fused Disc
31	GP Outlets	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	GFCI Outlets
33	SPARE	2	20 A	--	0A/1A				--	--	
35											SPACE
37	SPARE	1	20 A	--	0A/1A				--	--	SPACE
39	SPARE	1	20 A	--	0A/1A				--	--	SPACE
41	SPARE	1	20 A	--	0A/1A				--	--	SPACE

Legend: Phase A,B,C values are in Amps.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	3120 VA	100.00%	3120 VA	Total Conn. Load: 60536 VA Total Est. Demand: 60883 VA Total Conn.: 168 A Total Est. Demand: 141 A
Motor	4040 VA	100.00%	4040 VA	
Power	20353 VA	100.00%	20353 VA	
Receptacles	30060 VA	66.63%	20030 VA	
Utility Control Panel	1500 VA	100.00%	1500 VA	

Panel - AC2 Bus - 250 A / MCB 250A In Room - ELECTRICAL A112
Mount - Surface / NEMA 1
Fed From - **TXAC2** Service - **120/208 3ph 4w** Branch AIC - 14,000
Load: A- 173 A, B- 172 A, C- 171 A

Notes: Provide IG bus, Double Neutral & TVSS with 3p breaker. See specs for more info.

#	Load	P	Trip	Wire	A	B	C	Wire	Trip	#	Load
1	AV Monitor	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	AV Monitor, GP USB Outlets
3	AV Monitor	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	AV Monitor, GP USB Outlets
5	GP USB Outlets, NonLinear Outlets	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Door Access Control, Weatherproof Maint. Outlet
7	AV Monitor, NonLinear Outlets	1	20 A	#12	0A/1A	#12	20 A	#5	20 A	1	Marquee / Sign
9	Door Access Control	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	GP USB Outlets
11	NonLinear Outlets	1	20 A	#12	0A/1A	#12	20 A	#6	20 A	1	Marquee / Sign
13	Copier 206v	2	30 A	#10	0A/1A	#10	30 A	2	30 A	2	Copier 206v
15											
17	GP USB Outlets, Reception A101	1	20 A	#12	0A/1A	#12	20 A				
19	NonLinear Outlets	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	NonLinear Outlets
21	NonLinear Outlets	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	NonLinear Outlets
23	NonLinear Outlets	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	NonLinear Outlets
25	Floor Box - RFB4	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Copier
27	Floor Box - RFB4	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Copier
29	Floor Box - RFB4	1	20 A	#12	0A/1A	#12	20 A	1	20 A	1	Printer
31	SPARE	2	30 A	--	0A/1A				--	--	SPACE
33											SPACE
35	SPARE	1	20 A	--	0A/1A				--	--	SPACE
37	SPARE	1	20 A	--	0A/1A				--	--	SPACE
39	SPARE	1	20 A	--	0A/1A				--	--	SPACE
41	SPARE	1	20 A	--	0A/1A				--	--	SPACE

Legend: Phase A,B,C values are in Amps.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
NonLinear Tech	51660 VA	79.84%	41245 VA	Total Conn. Load: 61902 VA Total Est. Demand: 61487 VA Total Conn.: 172 A Total Est. Demand: 143 A
Power	2160 VA	100.00%	2160 VA	
Receptacles	8089 VA	100.00%	8089 VA	

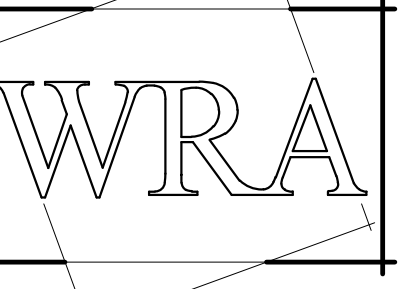
Panel - AHAC3 Bus - 400 A / MLO In Room - ELECTRICAL A112
Mount - Surface / NEMA 1
Fed From - **ADP2** Service - **480/277 3ph 4w** Branch AIC - 42,000
Load: A- 219 A, B- 219 A, C- 219 A

Notes: See Riser Diagram for feeder info.

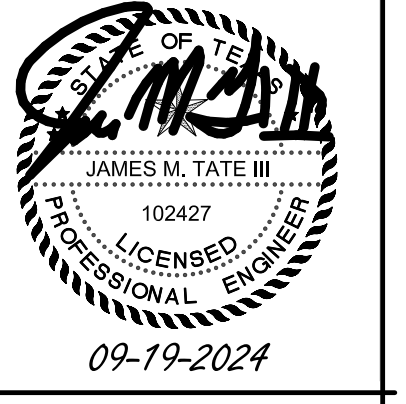
#	Load	P	Trip	Wire	A	B	C	Wire	Trip	#	Load
1	#A100 - RTU THRU 30A DISC W/ 20A FUSES	3	20 A	#12	0A/1A	#12	20 A	3	20 A	3	#A100 - RTU THRU 30A DISC W/ 15A FUSES
3											
5											
7	#A101 - RTU THRU 30A DISC W/ 20A FUSES	3	20 A	#12	0A/1A	#12	20 A	#8	40 A	3	#A147.3 - RTU THRU 60A DISC W/ 40A FUSES
9											
11											
13	#A124 - RTU THRU 30A DISC W/ 20A FUSES	3	20 A	#12	0A/1A	#12	20 A	#3	60 A	3	#A119 - RTU THRU 30A DISC W/ 20A FUSES
15											
17											
19	#A131 - RTU THRU 30A DISC W/ 30A FUSES	3	30 A	#10	0A/1A	#10	30 A	3	30 A	3	#A107 - RTU THRU 30A DISC W/ 15A FUSES
21											
23											
25	#A147.1 - RTU THRU 60A DISC W/ 40A FUSES	3	40 A	#8	0A/1A	#8	40 A	3	40 A	3	#A111 - RTU THRU 30A DISC W/ 20A FUSES
27											
29											
31	#A141 - RTU THRU 30A DISC W/ 20A FUSES	3	20 A	#12	0A/1A	#12	20 A	3	20 A	3	#A144 - RTU THRU 30A DISC W/ 20A FUSES
33											
35											
37	#A145 - RTU THRU 30A DISC W/ 20A FUSES	3	20 A	#12	0A/1A	#12	20 A				SPACE
39											
41											
43	SPARE	3	20 A	--	0A/1A				--	--	SPACE
45											SPACE
47											SPACE
49	SPARE	3	20 A	--	0A/1A				--	--	SPACE
51											SPACE
53											SPACE

Legend: Phase A,B,C values are in Amps.

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	157890 VA	100.00%	157890 VA	Total Conn. Load: 181989 VA Total Est. Demand: 181989 VA Total Conn.: 219 A Total Est. Demand: 219 A
Motor	24099 VA</			



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Castleberry ISD High School Addn. 215 CHURCHILL ROAD, FORT WORTH, TEXAS - 76114

REVISIONS: No. 1 Addendum 1 Date 9/19/2024

ELECTRICAL PANELBOARD SCHEDULES EP804 © WRA Architects, Inc. 2024

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Panel - 2AC Bus - 600 A / MCB 500AT, 600AF In Room - ELEC. A227 Mount - Surface / NEMA 1 Branch AIC - 20,000 Load: A- 33 A, B- 33 A, C- 327 A

Panel - 2AH Bus - 125 A / MLO In Room - ELEC. A227 Mount - Surface / NEMA 1 Branch AIC - 50,000 Load: A- 50 A, B- 51 A, C- 50 A

Panel - SL Bus - 125 A / MCB 125A In Room - PREP B112 Mount - Surface / NEMA 1 Branch AIC - 18,000 Load: A- 52 A, B- 62 A, C- 69 A

Panel - 2AC2 Bus - 225 A / MLO In Room - ELEC. A227 Mount - Surface / NEMA 1 Branch AIC - 18,000 Load: A- 139 A, B- 138 A, C- 142 A

Panel - 2AHAC Bus - 250 A / MLO In Room - ELEC. A227 Mount - Surface / NEMA 1 Branch AIC - 42,000 Load: A- 151 A, B- 151 A, C- 151 A

Panel - SL2 Bus - 125 A / MCB 125A In Room - PREP B106 Mount - Surface / NEMA 1 Branch AIC - 14,000 Load: A- 64 A, B- 50 A, C- 72 A

Panel - 2AC3 Bus - 125 A / MLO In Room - ELEC. A227 Mount - Surface / NEMA 1 Branch AIC - 18,000 Load: A- 63 A, B- 67 A, C- 65 A

Panel - 2AHAC2 Bus - 250 A / MLO In Room - ELEC. A227 Mount - Surface / NEMA 1 Branch AIC - 42,000 Load: A- 154 A, B- 154 A, C- 154 A

Panel - 2ADP Bus - 800 A / MCB 800A In Room - ELEC. A227 Mount - Surface / NEMA 1 Branch AIC - 50,000 Load: A- 594 A, B- 595 A, C- 591 A

Panel - 2AC4 Bus - 125 A / MLO In Room - ELEC. A227 Mount - Surface / NEMA 1 Branch AIC - 18,000 Load: A- 63 A, B- 61 A, C- 61 A

Panel - 2AL2 Bus - 225 A / MLO In Room - ELEC. A227 Mount - Surface / NEMA 1 Branch AIC - 18,000 Load: A- 138 A, B- 139 A, C- 139 A

Panel - 2BHC Bus - 250 A / MLO In Room - ELEC. B209 Mount - Surface / NEMA 1 Branch AIC - 23,000 Load: A- 114 A, B- 114 A, C- 114 A

Legend: Phase A,B,C values are in Amps. Load Classification Connected Load Demand Factor Estimated Demand Panel Totals

Legend: Phase A,B,C values are in Amps. Load Classification Connected Load Demand Factor Estimated Demand Panel Totals

Panel - 2BDP Bus - 600 A / MCB 600A In Room - ELEC. B209 Mount - Surface / NEMA 1 Branch AIC - 25,000 Load: A- 396 A, B- 396 A, C- 383 A

Panel - 2BHAC2 Bus - 250 A / MLO In Room - ELEC. B209 Mount - Surface / NEMA 1 Branch AIC - 25,000 Load: A- 128 A, B- 128 A, C- 128 A

Legend: Phase A,B,C values are in Amps. Load Classification Connected Load Demand Factor Estimated Demand Panel Totals

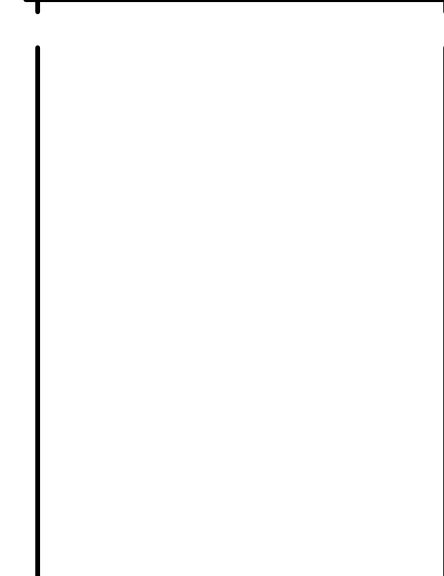
Panel - 2AL Fed From - TX2AL Bus - 400 A / MCB 400A In Room - ELEC. A227 Mount - Surface / NEMA 1 Branch AIC - 20,000 Load: A- 221 A, B- 222 A, C- 221 A

Panel - 2BH Bus - 125 A / MLO In Room - ELEC. B209 Mount - Surface / NEMA 1 Branch AIC - 22,000 Load: A- 16 A, B- 21 A, C- 13 A

Legend: Phase A,B,C values are in Amps. Load Classification Connected Load Demand Factor Estimated Demand Panel Totals

Panel - 2BL Bus - 400 A / MCB 400A In Room - ELEC. B209 Mount - Surface / NEMA 1 Branch AIC - 18,000 Load: A- 262 A, B- 253 A, C- 243 A

Legend: Phase A,B,C values are in Amps. Load Classification Connected Load Demand Factor Estimated Demand Panel Totals



Castleberry ISD High School Addn. 215 CHURCHILL ROAD, FORT WORTH, TEXAS - 76114

REVISIONS: No. 1 Addendum 1 Date 9/19/2024 ELECTIONAL PANELBOARD SCHEDULES EP805

Panel - 2BL2 Bus - 225 A / MLO In Room - ELEC. B209 Mount - Surface / NEMA 1 Branch AIC - 18,000 Service - 120/208 3ph 4w

Panel - 2SL2 Bus - 125 A / MCB 125A In Room - PREP B206 Mount - Surface / NEMA 1 Branch AIC - 14,000 Service - 120/208 3ph 4w

Panel - GL2 Bus - 225 A / MLO In Room - MECH / ELEC. B016 Mount - Surface / NEMA 1 Branch AIC - 20,000 Service - 120/208 3ph 4w

Panel - 2BC Bus - 125 A / MCB 125A In Room - ELEC. B209 Mount - Surface / NEMA 1 Branch AIC - 14,000 Service - 120/208 3ph 4w

Panel - GDP Bus - 400 A / MCB 400A In Room - MECH / ELEC. B016 Mount - Surface / NEMA 1 Branch AIC - 35,000 Service - 480/277 3ph 4w

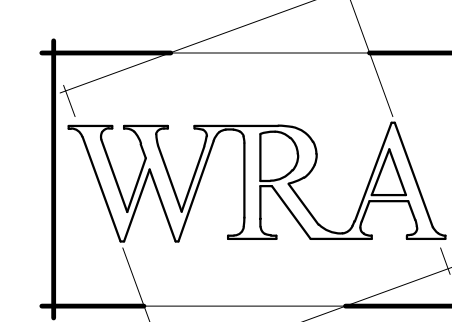
Panel - GL3 Bus - 125 A / MLO In Room - MECH / ELEC. B016 Mount - Surface / NEMA 1 Branch AIC - 18,000 Service - 120/208 3ph 4w

Panel - 2SL Bus - 125 A / MCB 125A In Room - PREP B212 Mount - Surface / NEMA 1 Branch AIC - 18,000 Service - 120/208 3ph 4w

Panel - GL Bus - 600 A / MCB 500AT, 600AF In Room - MECH / ELEC. B016 Mount - Surface / NEMA 1 Branch AIC - 20,000 Service - 120/208 3ph 4w

Panel - EMH Bus - 125 A / MLO In Room - MECH / ELEC. B016 Mount - Surface / NEMA 1 Branch AIC - 25,000 Service - 480/277 3ph 4w

Panel - EML Bus - 60 A / MCB 60A In Room - MECH / ELEC. B016 Mount - Surface / NEMA 1 Branch AIC - 14,000 Service - 120/208 3ph 4w



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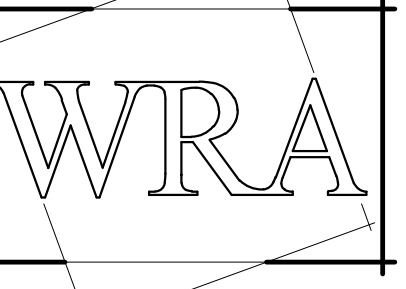
REVISIONS: No. 1 Addendum 1 Date 9/19/2024

JOB NO. 2359 DATE: 09/19/2024

ELECTRICAL PANELBOARD SCHEDULES EP806

EMA ENGINEERING & CONSULTING, INC. Tyler | Austin | Houston | El Paso DFW | San Antonio | Shreveport Texas Firm Registration No. F-893 Louisiana Firm Registration No. EF-5818

DESIGN SOLVE ENHANCE SUBMISSION OF BID WILL BE CONSIDERED ACKNOWLEDGMENT THAT THE CONTRACTOR HAS VISITED THE SITE AND HAS VERIFIED ALL EXISTING JOB CONDITIONS AND INCLUDED ANY NECESSARY MODIFICATION TO EXISTING AND NEW WORK REQUIRED FOR INSTALLATION OF A COMPLETE AND WORKING SYSTEM.



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09-19-2024

Castleberry ISD High School Addn.
 215 CHURCHILL ROAD, FORT WORTH, TEXAS - 76114

REVISIONS:
 No. 1 Addendum 1 Date 9/19/2024

JOB NO. 2359
 DATE: 09/19/2024

ELECTRICAL PANELBOARD SCHEDULES
EP807
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Switchboard - EXTERIOR MDP				
Location:		Volts: 120/208 3ph 4w		A.I.C. Rating: 50,000
Supply From: EX UTIL TX		Phases: 3		Mains Type: MCB
Mounting: Surface		Wires: 4		Mains Rating: 2500 A
Enclosure: NEMA 1				MCB Rating: 2500
Notes: PROVIDE ELECTRONIC ADJUSTABLE MAIN SET TO 2400A, Provide TVSS, GFCI and Metering Per Specs				
CKT	Circuit Description	# of Poles	Trip Rating	Load
1	Panel HL - w/Main CB	3	400 A	87100 VA
2	Panel FL - w/Main CB	3	600 A	147533 VA
3	Panel EDP - w/Main CB	3	1200 A	229143 VA
4	EXISTING LOAD	3	400 A	0 VA
5	EXISTING LOAD	3	600 A	0 VA
6	EXISTING LOAD	3	400 A	0 VA
7	EXISTING LOAD	3	800 A	0 VA
8	EXISTING LOAD	3	400 A	0 VA
9	EXISTING LOAD	3	600 A	0 VA
				463697 VA
				1287 A
Legend:				
Load Classification	Demand Factor	Estimated Demand	Connected Load (VA)	Panel Totals
HVAC	100.00%	245040 VA	245040 VA	Total Conn. Load: 463697 VA
Lighting	125.00%	28000 VA	22400 VA	Total Est. Demand: 447228 VA
Motor	100.00%	22606 VA	22606 VA	
NonLinear Tech	81.00%	33768 VA	41660 VA	Total Est. Demand: 1241 A
Power	100.00%	47418 VA	47418 VA	
Power Continuous	125.00%	15650 VA	12480 VA	
Receptacles	61.62%	26150 VA	42300 VA	
Notes:				

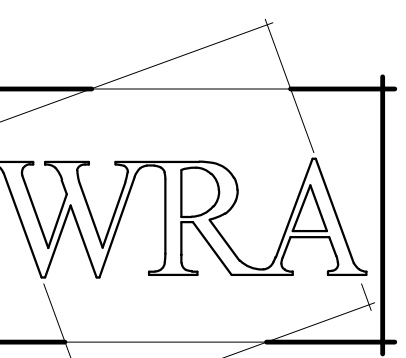
Panel - EL						Bus - 225 A / MLO						In Room - MUSIC LIBRARY E213											
Fed From - EDP						Service - 120/208 3ph 4w						Mount - Surface / NEMA 1											
Branch AIC - 30,000						Load: A- 138 A, B- 137 A, C- 139 A																	
Notes: See Riser Diagram for feeder info.																							
#	Load											#	Load										
1	NonLinear Outlets	1	20 A	#12	2A14A	#12	20 A	1	AV Monitor	1	20 A	#12	20 A	1	AV Monitor								
3	AV Monitor	1	20 A	#12	4A16A	#12	20 A	1	Millwork Tape Lighting	1	20 A	#12	20 A	1	Millwork Tape Lighting								
5	NonLinear Outlets	1	20 A	#12	2A16A	#12	20 A	1	Microwave Oven - on GFCI outlet	1	20 A	#12	20 A	1	HE223 - EF Motor								
7	Copier	1	20 A	#8	1A15 A	#6	25 A	1	Clothes Dryer - Residential - Thru GFCI Breaker	1	20 A	#10	30 A	2	Tech Rack - L6-30R								
9	Refrigerator - on GFCI BKR	1	20 A	#10	1A15 A	#6	25 A	1	AV Monitor, NonLinear Outlets	1	20 A	#12	20 A	1	AV Monitor, NonLinear Outlets								
11	Hand Dryer	1	20 A	#8	1A15 A	#6	25 A	1	AV Monitor, NonLinear Outlets	1	20 A	#12	20 A	1	AV Monitor, NonLinear Outlets								
13	AV Monitor, NonLinear Outlets	1	20 A	#10	7A15A	#10	20 A	1	AV Monitor, NonLinear Outlets	1	20 A	#12	20 A	1	AV Monitor, NonLinear Outlets								
15	Copier 206v	2	30 A	#8	2A12 A	#10	30 A	2	AV Monitor, NonLinear Outlets	1	20 A	#12	20 A	1	AV Monitor, NonLinear Outlets								
17	--	--	--	--	--	--	--	--	AV Monitor, NonLinear Outlets	1	20 A	#12	20 A	1	AV Monitor, NonLinear Outlets								
19	Range - on GFCI BKR	2	50 A	#6	3A17A	#12	20 A	1	AV Monitor, NonLinear Outlets	1	20 A	#12	20 A	1	AV Monitor, NonLinear Outlets								
21	--	--	--	--	--	--	--	--	AV Monitor, NonLinear Outlets	1	20 A	#12	20 A	1	AV Monitor, NonLinear Outlets								
23	Range - on GFCI BKR	2	50 A	#6	3A17A	#10	20 A	1	AV Monitor, NonLinear Outlets	1	20 A	#12	20 A	1	AV Monitor, NonLinear Outlets								
25	--	--	--	--	--	--	--	--	AV Monitor, NonLinear Outlets	1	20 A	#12	20 A	1	AV Monitor, NonLinear Outlets								
27	AV Monitor, NonLinear Outlets	1	20 A	#10	7A15A	#12	20 A	1	Clothes Washing - Residential - Thru GFCI Breaker	1	20 A	#10	30 A	1	Vent Hood Power & Lights								
29	AV Monitor, NonLinear Outlets	1	20 A	#12	7A15A	#10	20 A	1	Vent Hood Power & Lights	1	20 A	#12	20 A	1	Vent Hood Power & Lights								
31	SPARE	1	20 A	--	--	--	--	--	SPARE	1	20 A	--	--	1	SPARE								
33	SPARE	3	50 A	--	--	--	--	--	SPARE	1	20 A	--	--	1	SPARE								
35	--	--	--	--	--	--	--	--	SPARE	1	20 A	--	--	1	SPARE								
37	--	--	--	--	--	--	--	--	SPARE	1	20 A	--	--	1	SPARE								
39	SPARE	1	20 A	--	--	--	--	--	SPARE	1	20 A	--	--	1	SPARE								
41	SPARE	1	20 A	--	--	--	--	--	SPARE	1	20 A	--	--	1	SPARE								
Legend: Phase A,B,C values are in Amps.																							
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals																			
HVAC	2400 VA	100.00%	2400 VA	Total Conn. Load: 49656 VA																			
NonLinear Tech	17620 VA	86.19%	15715 VA	Total Est. Demand: 43868 VA																			
Power	9724 VA	100.00%	9724 VA	Total Conn.: 138 A																			
				Total Est. Demand: 122 A																			

Panel - FL						Bus - 600 A / MCB 600A						In Room - KILN / STORAGE F105											
Fed From - EXTERIOR MDP						Service - 120/208 3ph 4w						Mount - Surface / NEMA 1											
Branch AIC - 20,000						Load: A- 415 A, B- 418 A, C- 400 A																	
Notes: See Riser Diagram for feeder info.																							
#	Load											#	Load										
1	GP Outlets	1	20 A	#10	6A16A	#10	20 A	1	GP Outlets	1	20 A	#10	20 A	1	GP Outlets								
3	Hand Dryer	1	20 A	#12	1A16A	1A16 A	--	--	SPACE	1	20 A	#12	20 A	1	SPACE								
5	Hand Dryer	1	20 A	#12	1A16 A	1A16 A	--	--	Hand Dryer	1	20 A	#12	20 A	1	Hand Dryer								
7	206v 10kw Kln	2	80 A	#2	6A15 A	#6	40 A	3	#F102 - AC THRU 60A DISC W/ 40A FUSES	3	40 A	#8	2A15 A	#8	40 A	3	#F105 - AC THRU 60A DISC W/ 40A FUSES						
9	--	--	--	--	--	--	--	--	Hand Dryer	1	20 A	#12	20 A	1	Hand Dryer								
11	Hand Dryer	1	20 A	#12	1A16 A	1A16 A	--	--	Hand Dryer	1	20 A	#12	20 A	1	Hand Dryer								
13	#F102 - AC THRU 60A DISC W/ 40A FUSES	3	40 A	#8	2A15 A	#8	40 A	3	#F105 - AC THRU 60A DISC W/ 40A FUSES	3	40 A	#8	2A15 A	#8	40 A	3	#F101 - AH THRU 60A DISC W/ 60A FUSES						
15	--	--	--	--	--	--	--	--	Hand Dryer	1	20 A	#12	20 A	1	Hand Dryer								
17	--	--	--	--	--	--	--	--	Hand Dryer	1	20 A	#12	20 A	1	Hand Dryer								
19	#F105A - AC THRU 60A DISC W/ 40A FUSES	3	40 A	#8	2A15 A	#8	40 A	3	#F101 - AH THRU 60A DISC W/ 60A FUSES	3	40 A	#8	2A15 A	#8	40 A	3	#F105 - AC THRU 60A DISC W/ 40A FUSES						
21	--	--	--	--	--	--	--	--	Hand Dryer	1	20 A	#12	20 A	1	Hand Dryer								
23	--	--	--	--	--	--	--	--	Hand Dryer	1	20 A	#12	20 A	1	Hand Dryer								
25	#F102 - AH THRU 60A DISC W/ 60A FUSES	3	60 A	#4	1A15 A	#4	60 A	3	#F105 - AH THRU 60A DISC W/ 60A FUSES	3	60 A	#4	1A15 A	#4	60 A	3	#F105 - AH THRU 60A DISC W/ 60A FUSES						
27	--	--	--	--	--	--	--	--	Hand Dryer	1	20 A	#12	20 A	1	Hand Dryer								
29	--	--	--	--	--	--	--	--	Hand Dryer	1	20 A	#12	20 A	1	Hand Dryer								
31	SPARE	1	20 A	--	--	--	--	--	SPACE	1	20 A	--	--	1	SPACE								
33	SPARE	3	40 A	--	--	--	--	--	SPACE	1	20 A	--	--	1	SPACE								
35	--	--	--	--	--	--	--	--	SPACE	1	20 A	--	--	1	SPACE								
37	SPARE	1	20 A	--	--	--	--	--	SPACE	1	20 A	--	--	1	SPACE								
39	SPARE	1	20 A	--	--	--	--	--	SPACE	1	20 A	--	--	1	SPACE								
41	SPARE	1	20 A	--	--	--	--	--	SPACE	1	20 A	--	--	1	SPACE								
Legend: Phase A,B,C values are in Amps.																							
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals																			
HVAC	72720 VA	100.00%	72720 VA	Total Conn. Load: 147533 VA																			
Motor	18714 VA	100.00%	18714 VA	Total Est. Demand: 136765 VA																			
Power	7620 VA	100.00%	7620 VA	Total Conn.: 410 A																			
Power Continuous	12480 VA	125.00%	15600 VA	Total Est. Demand: 380 A																			
Receptacles	37440 VA	63.35%	23720 VA																				

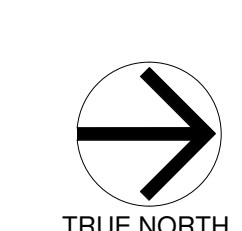
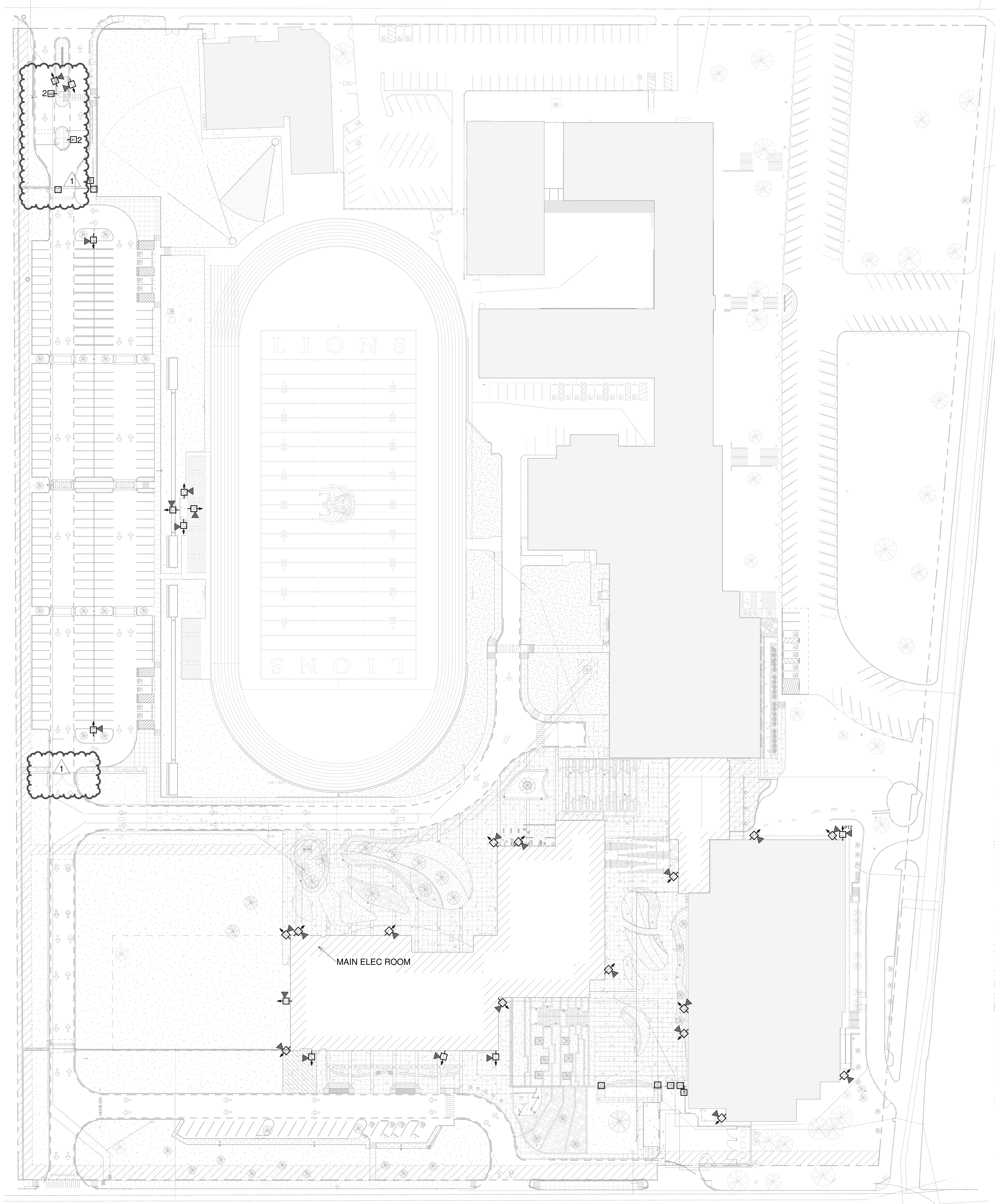
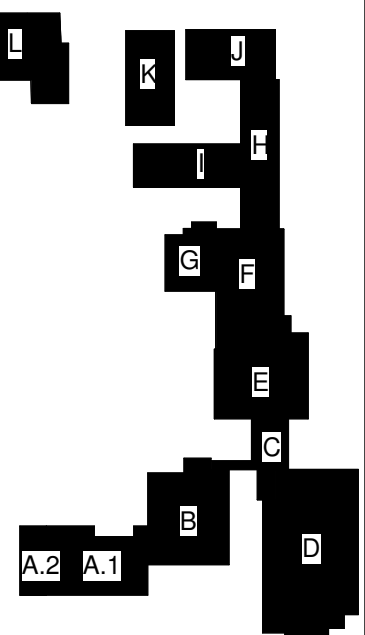
Panel - HL						Bus - 400 A / MCB 400A						In Room - PLC STORAGE H108											
Fed From - EXTERIOR MDP						Service - 120/208 3ph 4w						Mount - Surface / NEMA 1											
Branch AIC - 18,000						Load: A- 236 A, B- 246 A, C- 246 A																	
Notes: See Riser Diagram for feeder info.																							
#	Load											#	Load										
1	AV Monitor, NonLinear Outlets	1	20 A	#12	7A15A	#8	30 A	3	#A113 - AC THRU 30A DISC W/ 30A FUSES	3	30 A	#4	60 A	3	#A113 - AC THRU 30A DISC W/ 30A FUSES								
3	Hand Dryer	1	20 A	#6	1A15 A	1A15 A	--	--	SPACE	1	20 A	#6	60 A	3	#A111 - AC THRU 30A DISC W/ 30A FUSES								
5	Hand Dryer	1	20 A	#6	1A15 A	1A15 A	--	--	SPACE	1	20 A	#6	60 A	3	#A111 - AC THRU 30A DISC W/ 30A FUSES								
7	#H111 - AC THRU 30A DISC W/ 30A FUSES	3	30 A	#10	1A15 A	1A15 A	--	--	SPACE	1	20 A	#6	60 A	3	#A111 - AC THRU 30A DISC W/ 30A FUSES								
9	--	--	--	--	--	--	--	--	SPACE	1	20 A	#6	60 A	3	#A111 - AC THRU 30A DISC W/ 30A FUSES								
11	--	--	--	--	--	--	--	--	SPACE	1	20 A	#6	60 A	3	#A111 - AC THRU 30A DISC W/ 30A FUSES								
13	#H116 - AC THRU 30A DISC W/ 30A FUSES	3	30 A	#10	1A15 A	1A15 A	--	--	SPACE	1	20 A	#6	60 A	3	#A111 - AC THRU 30A DISC W/ 30A FUSES								
15	--	--	--	--	--	--	--	--	SPACE	1	20 A	#6	60 A	3	#A111 - AC THRU 30A DISC W/ 30A FUSES								
17	--	--	--	--	--	--	--	--	SPACE	1	20 A	#6	60 A	3	#A111 - AC THRU 30A DISC W/ 30A FUSES								
19	#H119 - AC THRU 30A DISC W/ 30A FUSES	3	30 A	#8	1A15 A	1A15 A	--	--	SPACE	1	20 A	#6	60 A	3	#H111 - AH THRU 60A DISC W/ 60A FUSES								
21	--	--	--	--	--	--	--	--	SPACE	1	20 A	#6	60 A	3	#H111 - AH THRU 60A DISC W/ 60A FUSES								
23	--	--	--	--	--	--	--	--	SPACE	1	20 A	#6	60 A	3	#H111 - AH THRU 60A DISC W/ 60A FUSES								
25	#A113 - AH THRU 60A DISC W/ 60A FUSES	3	60 A	#4	1A15 A	1A15 A	--	--	SPACE	1	20 A	#6	60 A	3	#A113 - AH THRU 60A DISC W/ 60A FUSES								
27	--	--	--	--	--	--	--	--	SPACE	1	20 A	#6	60 A	3	#A113 - AH THRU 60A DISC W/ 60A FUSES								
29	--	--	--	--	--	--	--	--	SPACE	1	20 A	#6	60 A	3	#A113 - AH THRU 60A DISC W/ 60A FUSES								
31	SPARE	3	70 A	--	--	--	--	--	SPACE	1	20 A	--	--	1	SPACE								
33	--	--	--	--	--	--	--	--	SPACE	1	20 A	--	--	1	SPACE								
35	--	--	--	--	--	--	--	--	SPACE	1	20 A	--	--	1	SPACE								
37	SPARE	3	50 A	--	--	--	--	--	SPACE	1	20 A	--	--	1	SPACE								
39	--	--	--	--	--	--	--	--	SPACE	1	20 A	--	--	1	SPACE								

ELECTRICAL COMMUNICATIONS GENERAL NOTES

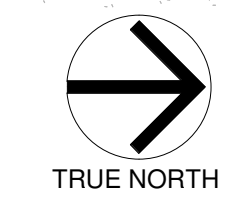
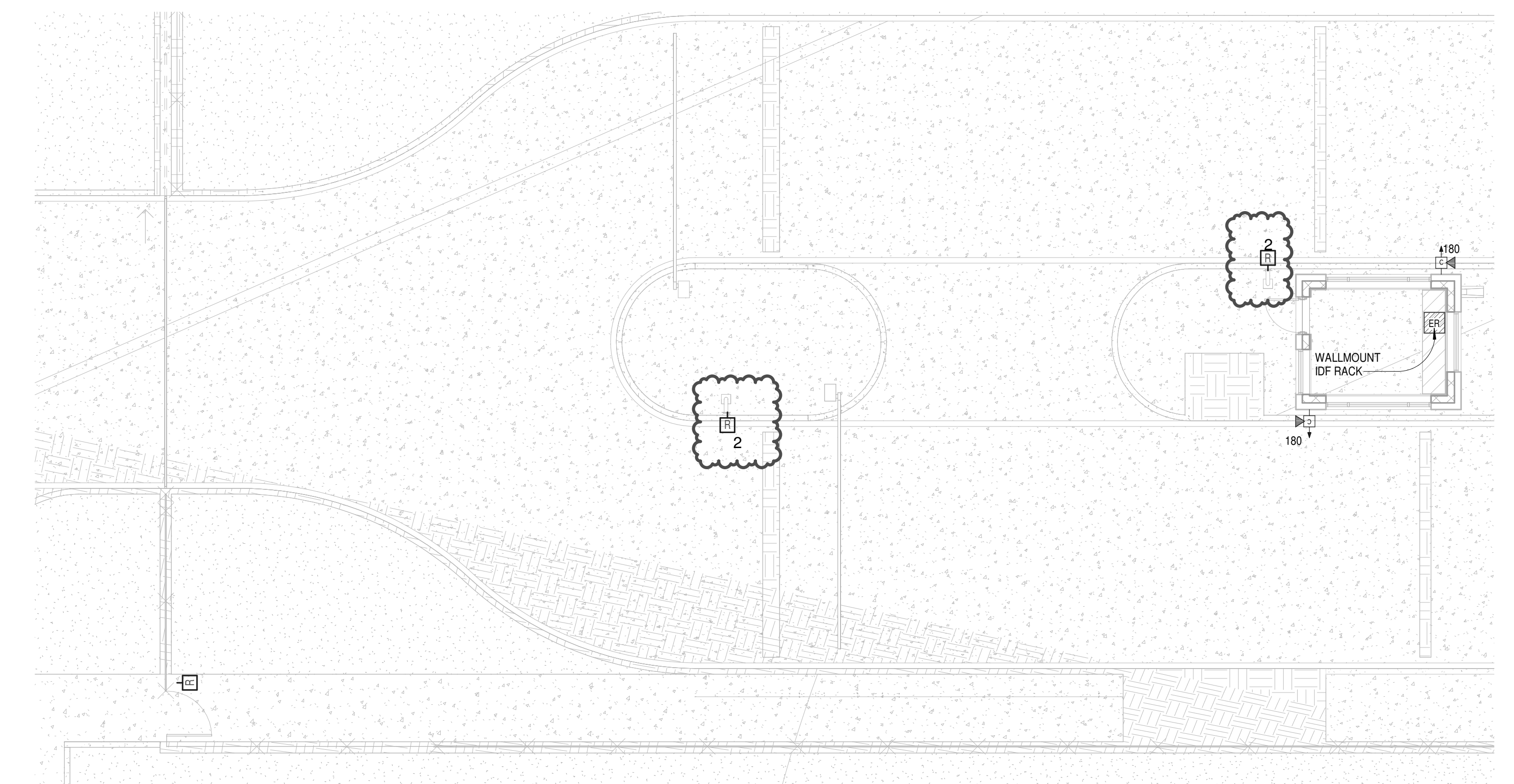
- SEE SHEET ET701, 702, 703 FOR GENERAL NOTES AND PLAN NOTES APPLICABLE TO THE ENTIRE DRAWING SET.



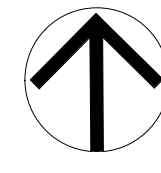
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3 ELECTRICAL COMMUNICATIONS SITE PLAN - PRESSBOX
1/4" = 1'-0"



2 ELECTRICAL COMMUNICATIONS SITE PLAN - SECURITY BOOTH
1/8" = 1'-0"



1 ELECTRICAL COMMUNICATIONS SITE PLAN
1" = 50'-0"

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No.	Date
1	9/19/2024

REVISIONS:	JOB NO. 2399
	DATE: 09/19/2024
ELECTRICAL COMM. SITE PLAN	
ET200	
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1 065 0350 008

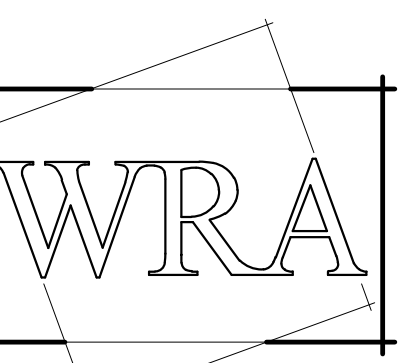
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ELECTRICAL COMMUNICATIONS GENERAL NOTES

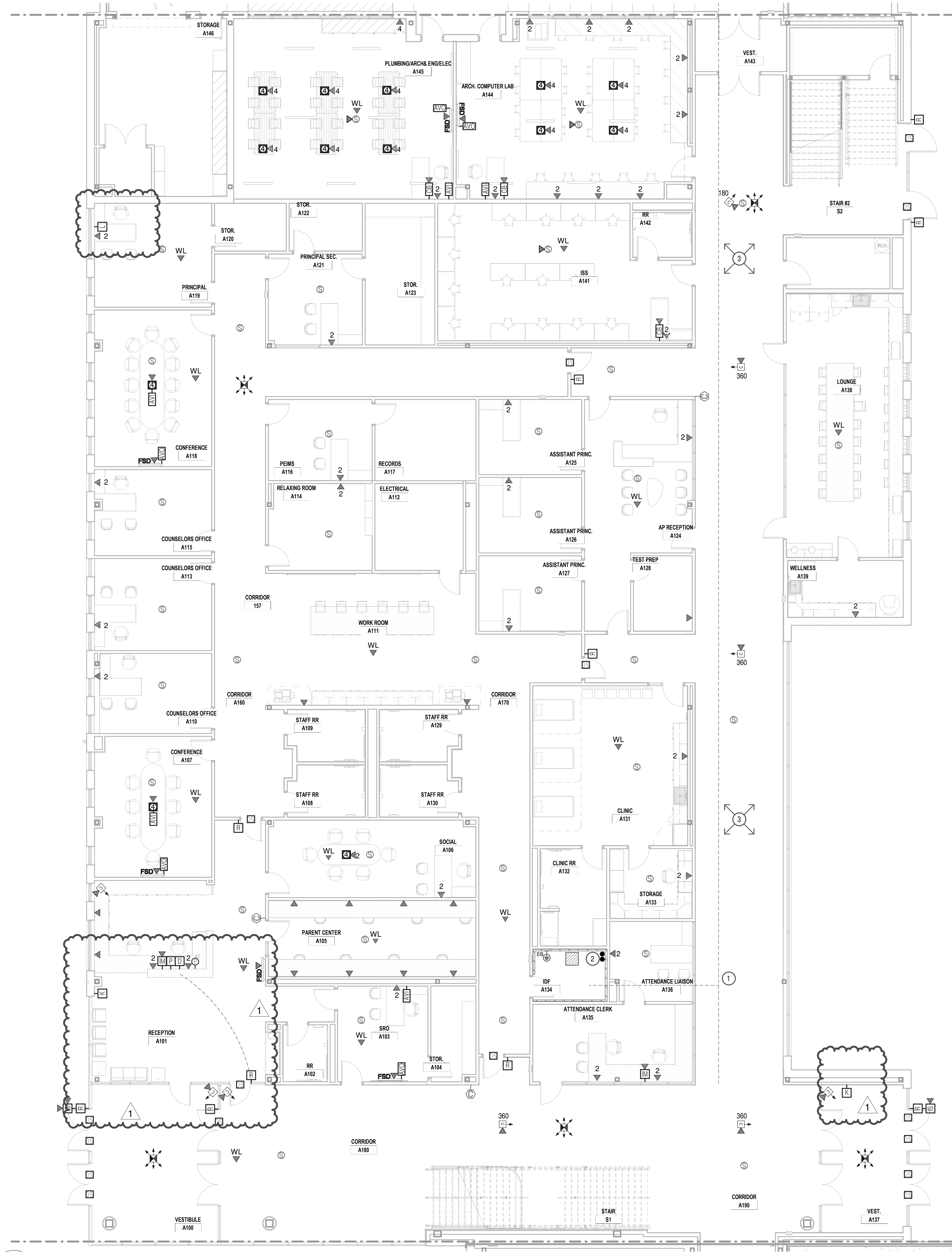
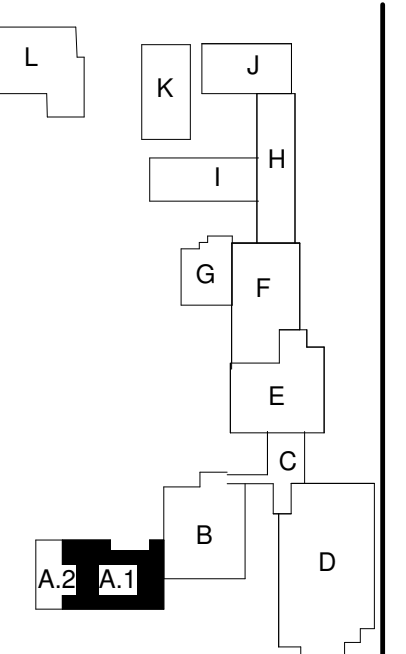
- SEE SHEET ET701, 702, 703 FOR GENERAL NOTES AND PLAN NOTES APPLICABLE TO THE ENTIRE DRAWING SET.

ELECTRICAL COMMUNICATIONS PLAN NOTES

- CABLE TRAY FOR DATA CABLING. REFER TO DATA CABLE PLANT SCHEDULE ON SHEET ET701.
- PROVIDE AND RUN UNDERGROUND THREE 2" CONDUITS FROM IDF A134 TO IDF B004. ONE CONDUIT FOR FIBER NETWORK CABLING, ONE CONDUIT FOR FIRE AND SECURITY CABLING, AND ONE CONDUIT FOR SPARE.
- FIRE ALARM AND SECURITY CABLING IN THIS AREA TO BE SUPPORTED BY J-HOOKS ON EITHER SIDE OF THE DATA CABLE PLANT CABLE TRAY. DO NOT MIX DIFFERENT SIGNAL CABLES IN THE SAME J-HOOK.



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1 ELECTRICAL COMMUNICATIONS LEVEL 1 UNIT A.1
1/8" = 1'-0"

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REVISIONS:	
No.	Date
1	Addendum 1 9/19/2024

JOB NO.	2399
DATE:	09/19/2024
ELECTRICAL COMM. LEVEL 1 UNIT A.1	
ET201.1	

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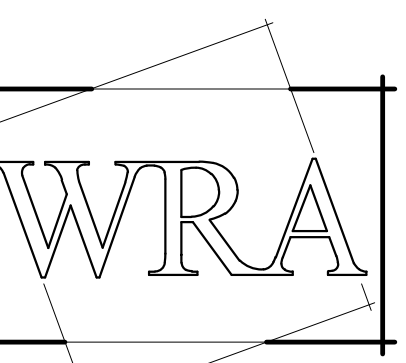
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ELECTRICAL COMMUNICATIONS GENERAL NOTES

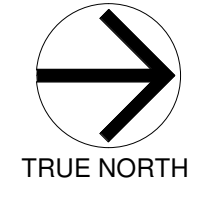
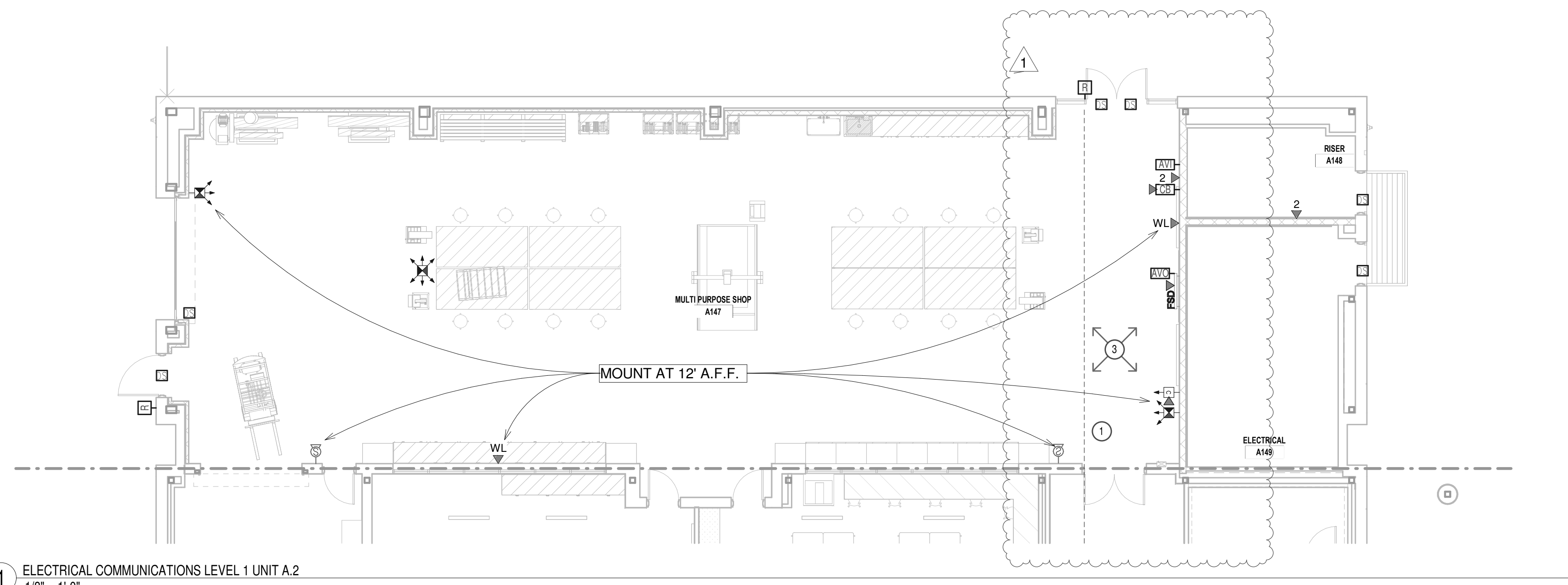
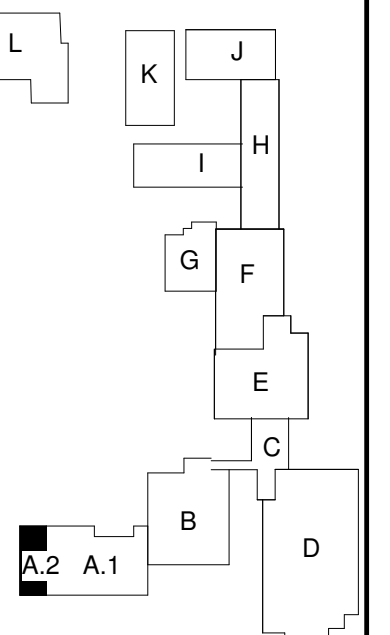
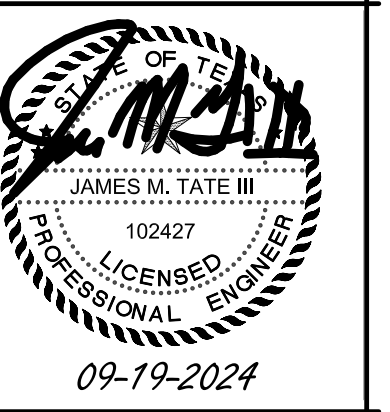
- SEE SHEET ET701, 702, 703 FOR GENERAL NOTES AND PLAN NOTES APPLICABLE TO THE ENTIRE DRAWING SET.

ELECTRICAL COMMUNICATIONS PLAN NOTES

- CABLE TRAY FOR NETWORK CABLING. REFER TO DATA CABLE PLANT SCHEDULE ON SHEET ET701.
- FIRE ALARM AND SECURITY CABLING IN THIS AREA TO BE SUPPORTED BY J-HOOKS ON EITHER SIDE OF THE DATA CABLE PLANT CABLE TRAY. DO NOT MIX DIFFERENT SIGNAL CABLES IN THE SAME J-HOOK.



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1 ELECTRICAL COMMUNICATIONS LEVEL 1 UNIT A.2
 1/8" = 1'-0"

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JOB NO. 2399

DATE: 09/19/2024

ELECTRICAL COMM. LEVEL 1 UNIT A.2

ET201.2

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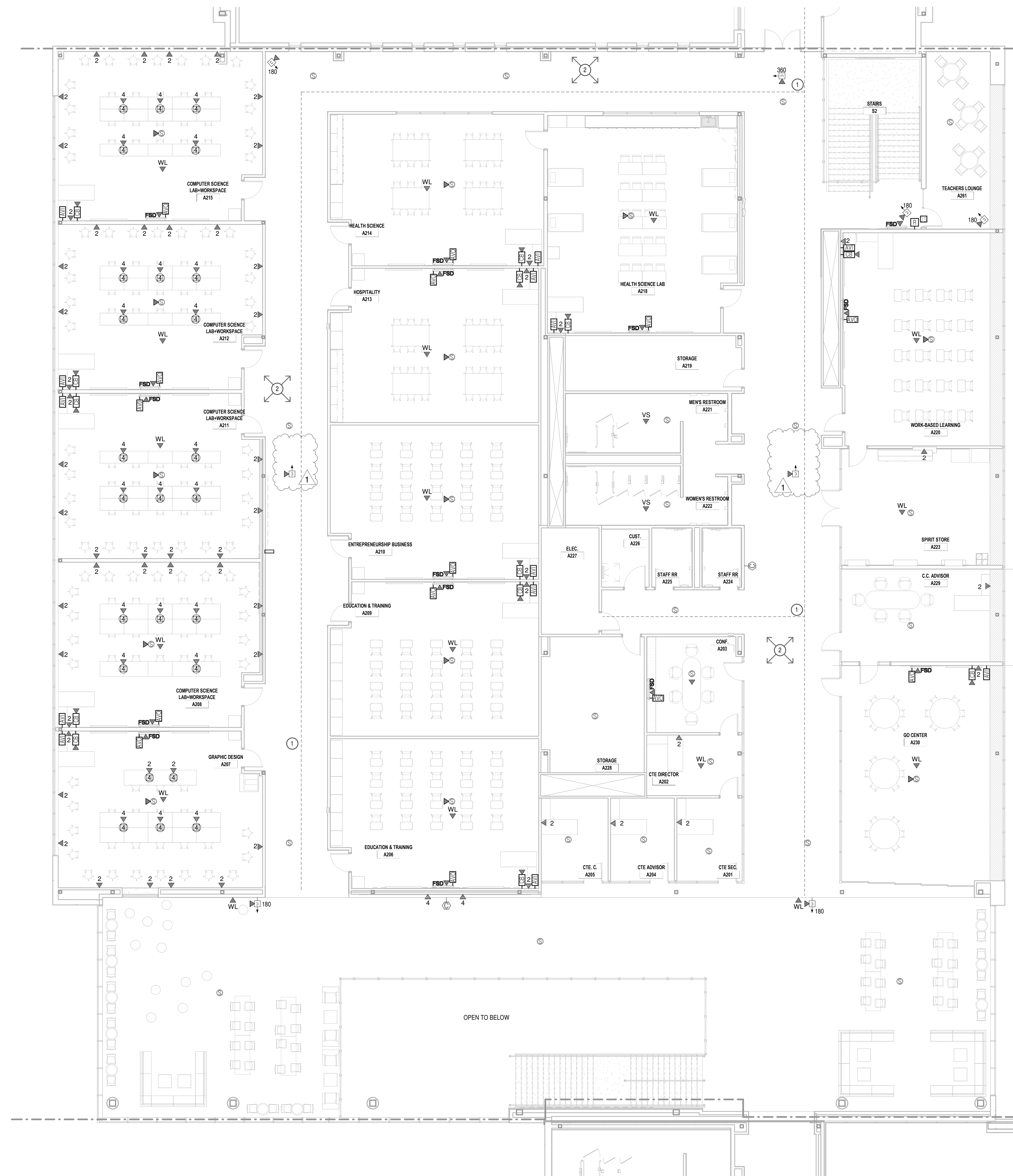
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ELECTRICAL COMMUNICATIONS GENERAL NOTES

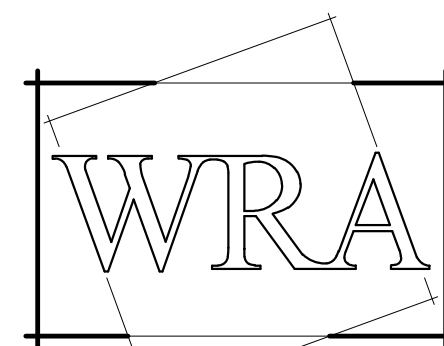
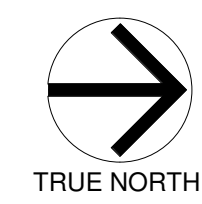
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ELECTRICAL COMMUNICATIONS PLAN NOTES

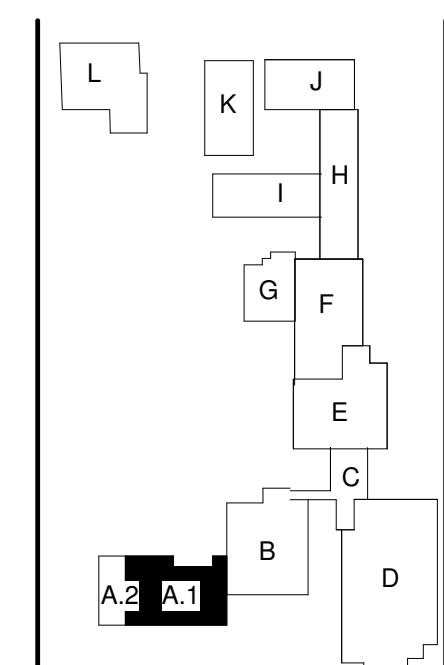
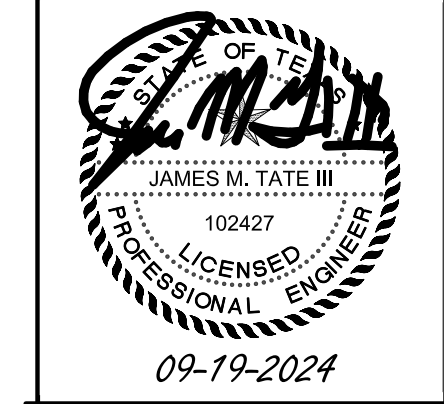
- CABLE TRAY FOR NETWORK CABLING. REFER TO DATA CABLE PLANT SCHEDULE ON SHEET ET701.
- FIRE ALARM AND SECURITY CABLING IN THIS AREA TO BE SUPPORTED BY J-HOOKS ON EITHER SIDE OF THE DATA CABLE PLANT CABLE TRAY. DO NOT MIX DIFFERENT SIGNAL CABLES IN THE SAME J-HOOK.



1 ELECTRICAL COMMUNICATIONS LEVEL 2 UNIT A.1
1/8" = 1'-0"



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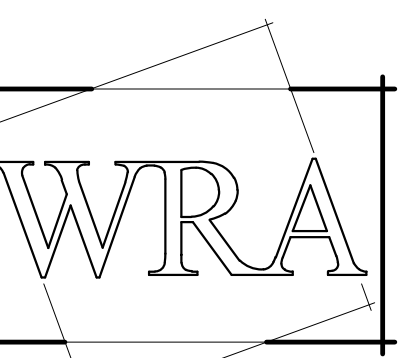
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ELECTRICAL COMMUNICATIONS GENERAL NOTES

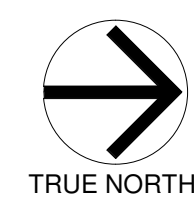
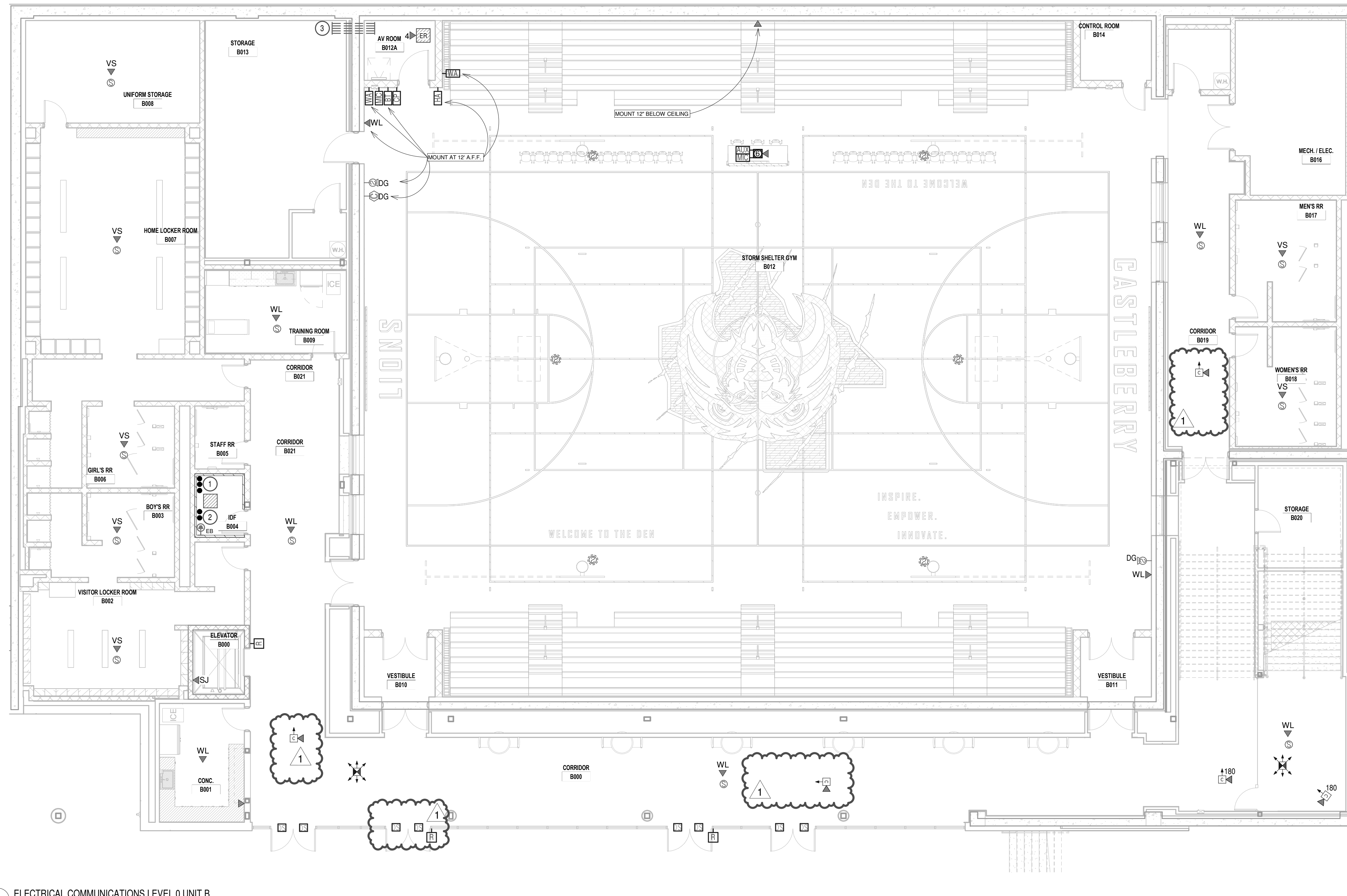
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ELECTRICAL COMMUNICATIONS PLAN NOTES

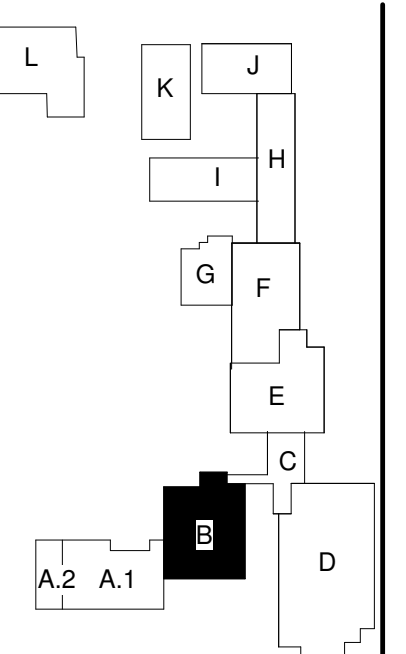
- PROVIDE AND RUN UNDERGROUND THREE 2" CONDUITS FROM IDF A134 TO IDF B004. ONE CONDUIT FOR FIBER NETWORK CABLING, ONE CONDUIT FOR FIRE AND SECURITY CABLING, AND ONE CONDUIT FOR SPARE
- PROVIDE AND RUN UNDERGROUND TWO 2" CONDUITS FROM IDF B004 TO PULLBOX FOR FUTURE USE. SEE SHEET ES201.
- PROVIDE FOUR 1.5" CONDUITS ABOVE CEILING WITH METAL SLEEVES FOR COMMUNICATION CABLING INTO STORM SHELTER. COORDINATE WITH ARCHITECT FOR EXACT LOCATION AND ROUTING OF CONDUITS PRIOR TO INSTALLATION.



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1 ELECTRICAL COMMUNICATIONS LEVEL 0 UNIT B
1/8" = 1'-0"



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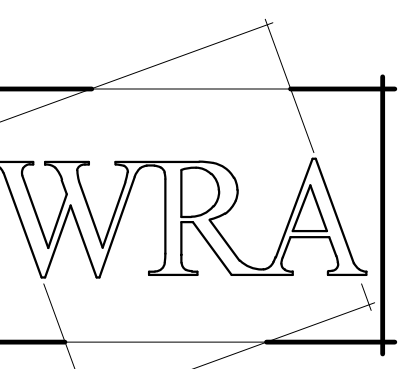
No.	Date
1	9/19/2024

JOB NO.	2399
DATE:	09/19/2024
ELECTRICAL COMM. LEVEL 0 UNIT B	
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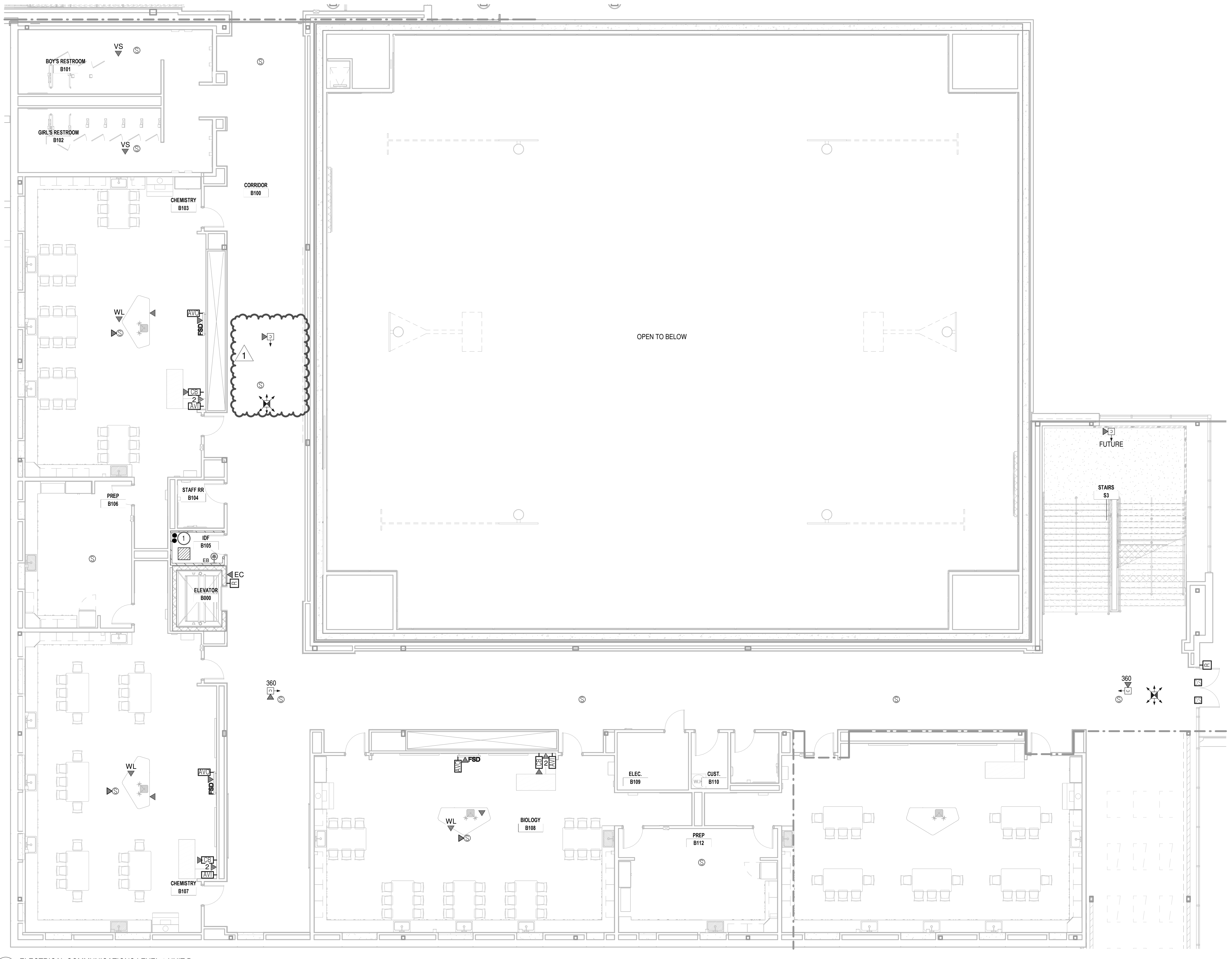
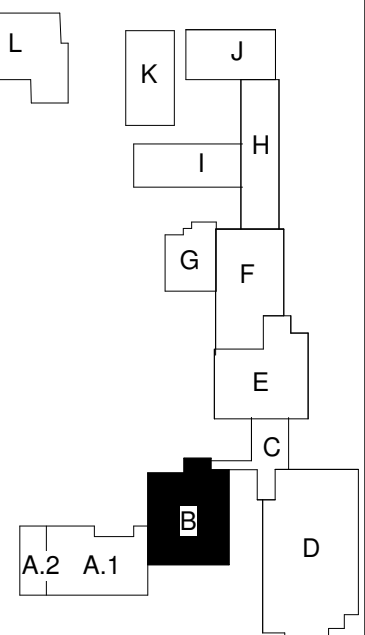
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1 065 0350 008

ELECTRICAL COMMUNICATIONS GENERAL NOTES

- SEE SHEET ET701, 702, 703 FOR GENERAL NOTES AND PLAN NOTES APPLICABLE TO THE ENTIRE DRAWING SET.



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No.	Date
1	Addendum 1 9/19/2024

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DATE:	09/19/2024

ELECTRICAL COMM. LEVEL 1 UNIT B

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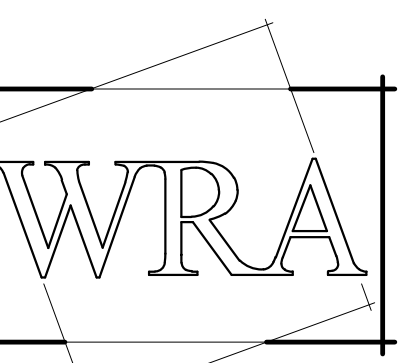
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ELECTRICAL COMMUNICATIONS GENERAL NOTES

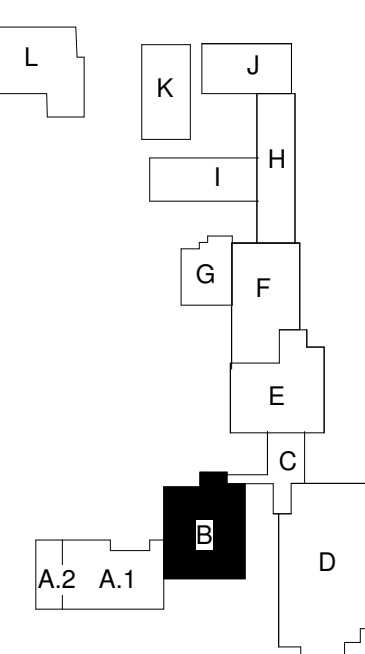
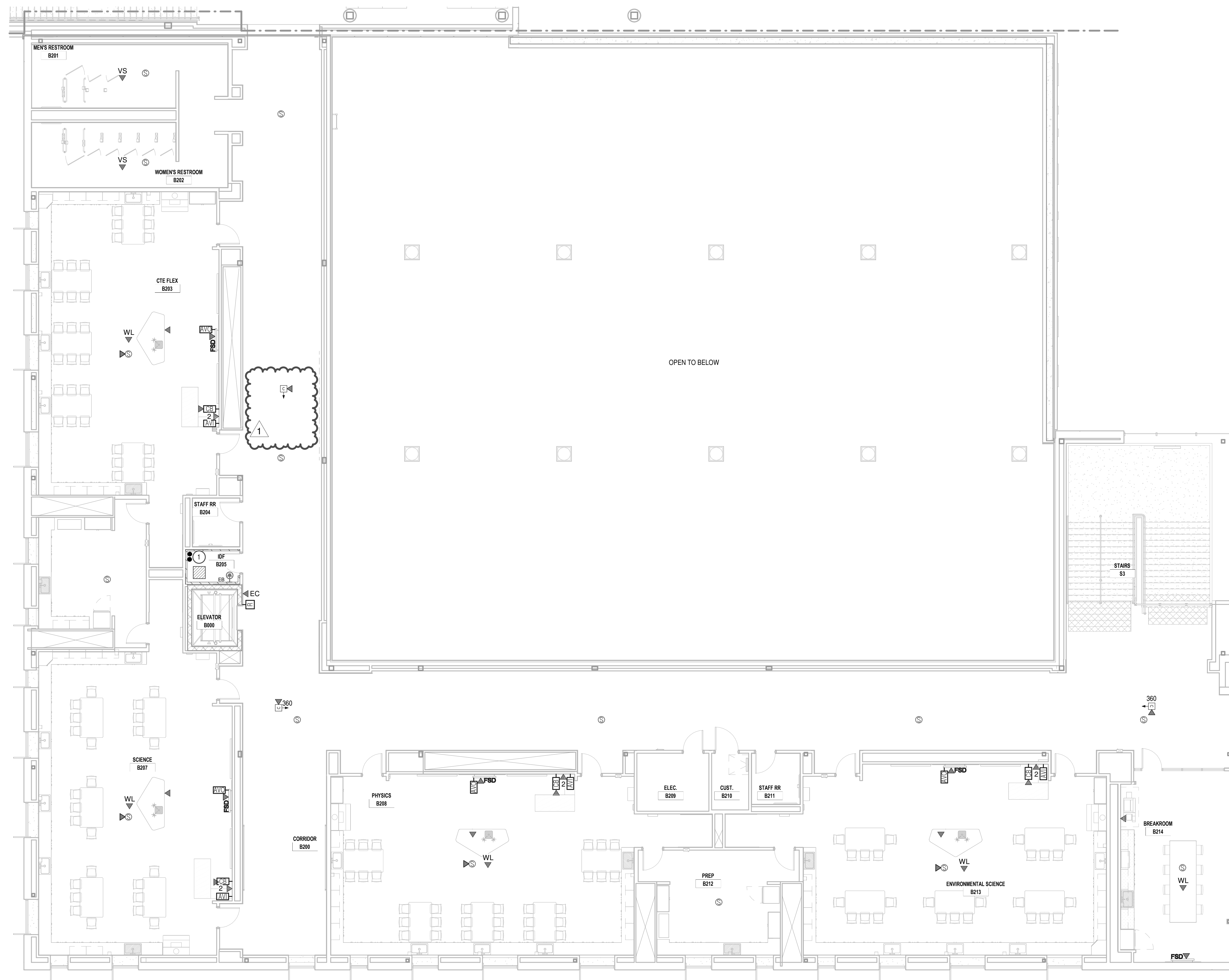
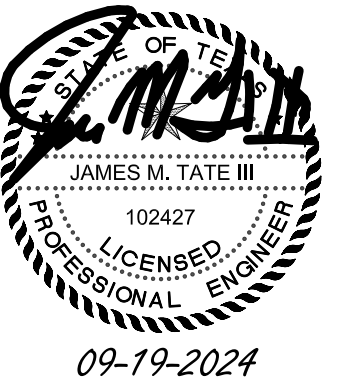
- SEE SHEET ET701, 702, 703 FOR GENERAL NOTES AND PLAN NOTES APPLICABLE TO THE ENTIRE DRAWING SET.

ELECTRICAL COMMUNICATIONS PLAN NOTES

- TWO 4" CONDUITS FOR NETWORK COMMUNICATIONS CABLES BETWEEN FLOORS.



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1 ELECTRICAL COMMUNICATIONS LEVEL 2 UNIT B
 1/8" = 1'-0"

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1	9/19/2024

JOB NO.	2359
DATE:	09/19/2024

ELECTRICAL COMM.
 LEVEL 2 UNIT B

ET205

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RESPONSIBILITY MATRIX	FURNISHED BY		INSTALLED BY		NOTES
	CONTRACTOR	OWNER	CONTRACTOR	OWNER	
TASK					
DATA CABLING PLANT	○	○	○	○	DEVICES NOTED AS OWNER FURNISHED, OWNER INSTALLED SHALL BE INSTALLED BY OWNER
NETWORK SWITCHES/SERVERS	○	○	○	○	DEVICES NOTED AS OWNER FURNISHED, OWNER INSTALLED SHALL BE INSTALLED BY OWNER
WIRELESS ACCESS POINTS	○	○	○	○	DEVICES NOTED AS OWNER FURNISHED, OWNER INSTALLED SHALL BE INSTALLED BY OWNER
BACK BOX, CONDUIT	○	○	○	○	OWNER'S INSTALLER SHALL COORDINATE WITH GENERAL CONTRACTOR FOR INSTALLATION OF THESE SYSTEMS.
EQUIPMENT BACKBOARD	○	○	○	○	
GROUND BUS BAR	○	○	○	○	
CLASSROOM FSD & MOUNTS	○	○	○	○	
CLASSROOM AV CABLES	○	○	○	○	
CONFERENCE ROOM FSD & MOUNTS	○	○	○	○	
CONFERENCE ROOM AV CABLES	○	○	○	○	
DIGITAL SIGNAGE DISPLAYS & MOUNTS	○	○	○	○	
DIGITAL SIGNAGE AV CABLES & DEVICES	○	○	○	○	
BACK BOX, CONDUIT	○	○	○	○	
BAND HALL AUDIO SYSTEM	○	○	○	○	
MARIACHI AUDIO SYSTEM	○	○	○	○	
CHOIR AUDIO SYSTEM	○	○	○	○	
GYM AUDIO SYSTEMS	○	○	○	○	
BACK BOX, CONDUIT	○	○	○	○	
INTERCOM COMMUNICATION SYSTEM	○	○	○	○	COMPLETE REPLACEMENT
BACK BOX, CONDUIT	○	○	○	○	
BUILDING ACCESS CONTROL SYSTEM	○	○	○	○	
VISITOR ENTRY VIDEO INTERCOM SYSTEM	○	○	○	○	
BACK BOX, CONDUIT	○	○	○	○	
VIDEO SURVEILLANCE SYSTEM	○	○	○	○	
IP CAMERA SERVER	○	○	○	○	
BACK BOX, CONDUIT	○	○	○	○	
INTRUDER ALARM SYSTEM	○	○	○	○	
BACK BOX, CONDUIT	○	○	○	○	
FIRE DETECTION & ALARM SYSTEM	○	○	○	○	COMPLETE REPLACEMENT
BACK BOX, CONDUIT	○	○	○	○	
ELEVATOR LOBBY EMERGENCY CALL SYSTEM	○	○	○	○	
BACK BOX, CONDUIT	○	○	○	○	
EMERGENCY RESPONDER RADIO COVERAGE SYSTEM	○	○	○	○	
BACK BOX, CONDUIT	○	○	○	○	

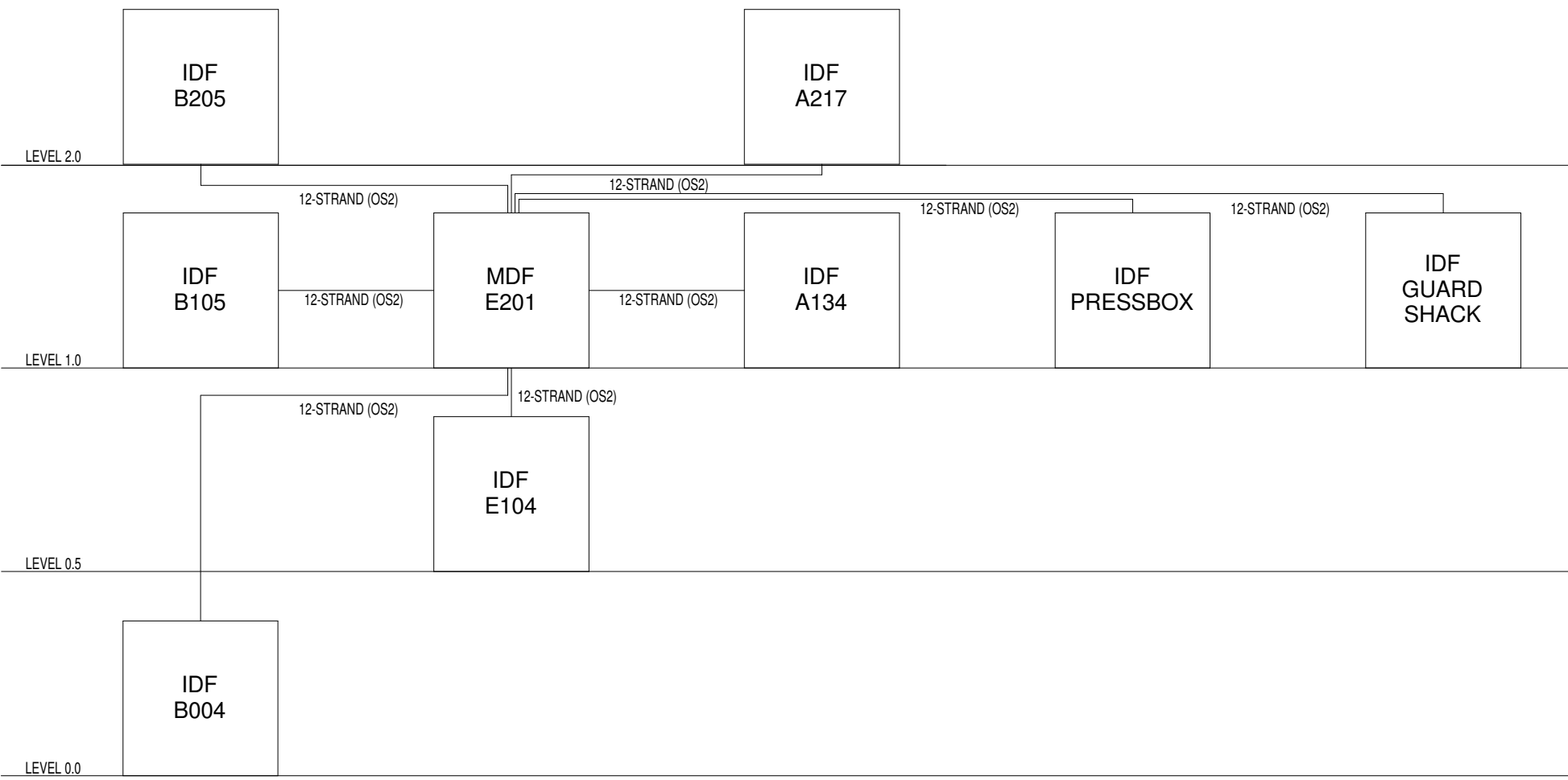
DATA CABLE PLANT SYSTEM SCHEDULE					
PRODUCT	MANUFACTURER	PART NUMBER	ACCESSORIES	NOTES/DESCRIPTIONS	APPROVED EQUIV.
Two Port Faceplates	Panduit	CFPE2xx			
Four Port Faceplates	Panduit	CFPE4xx			
NEMA Duplex Style Two Port Faceplates	Panduit	CF1082xx	Jack Inserts: CJ688TGxx (Cat6) CJ6X88TGxx (Cat6A)		
NEMA Duplex Style Four Port Faceplates	Panduit	CF1064xx		Blanks for unused ports. Provide Panduit CFPWR4CG water resistant faceplate for any exterior or wet area locations.	
Decora Style Faceplates	Panduit	CFDQxx			
Wall Station Telephone Jacks	Panduit	KWP9PX			
Above Ceiling/Structure Mounted Locations	Panduit	CBXQ2xx-A			
UTP Station Cabling (Cat6A Plenum)	General	71418XX			
OSP Station Cabling	General	7136100			
OSP Station Cabling (Cat6A)	General	8136100			
UTP Extended Reach Cable	General	81318XX			
Data Patch Panels (Flat)	Panduit	CPPL24WBLY	Panduit NMF2 horizontal managers with covers. Panduit SRB18BLY strain relief bar.		
Data Patch Panels (Flat)	Panduit	CPPL48WBLY			
Patch Cords	Panduit	UTP28X1xx		Provide one (1) 1'-0" Distribution Frame and one (1) 12'-0" Workstation/Equipment patch cord per installed run shown on plans.	
Patch Cords	Panduit	UTP28X12xx			
Interior Armored Multimode Fiber (Plenum)	Panduit	FOPP212Y			
Interior Armored Singlemode Fiber (Plenum)	Panduit	FSPP912Y			
Indoor/Outdoor Fiber (Riser)	Panduit	FOLRX06			
Rack Mount Fiber Termination Cabinet (1U)	Panduit	Opticom FCE1U			
Rack Mount Fiber Termination Cabinet (2U)	Panduit	Opticom FCE2U	LC Opticom adaptor panels as rpd. FAPB blanks as required.		
Rack Mount Fiber Termination Cabinet (4U)	Panduit	Opticom FCE4U			
Four Post Rack	Panduit	AR4P			
Two Post Rack	Panduit	R2P			
Vertical Cable Management (6')	Panduit	PR2VD06		Provide at each open end of a row of racks and both sides of single rack.	
Vertical Cable Management (12')	Panduit	PR2VD12		Provide at each location between two banked racks.	
Power Strip	Panduit	P16807M		Mount on lower portion of the left side of each rack.	
Cable Tray	Panduit	PWBXKxxBL	PWBPFxxBL & PWBIBxxBL	Height and Width as needed.	
Vape Detection Sensor	IP/VIDEO	Halo Smart Sensor 2C			
Wall Mount IDF Rack	Chatsworth	CUBE-IT 11900-724		Provide for each. Guard Shack and Press Box	

1. REFER TO SPECIFICATIONS 27 10 30 FOR ADDITIONAL INFORMATION.

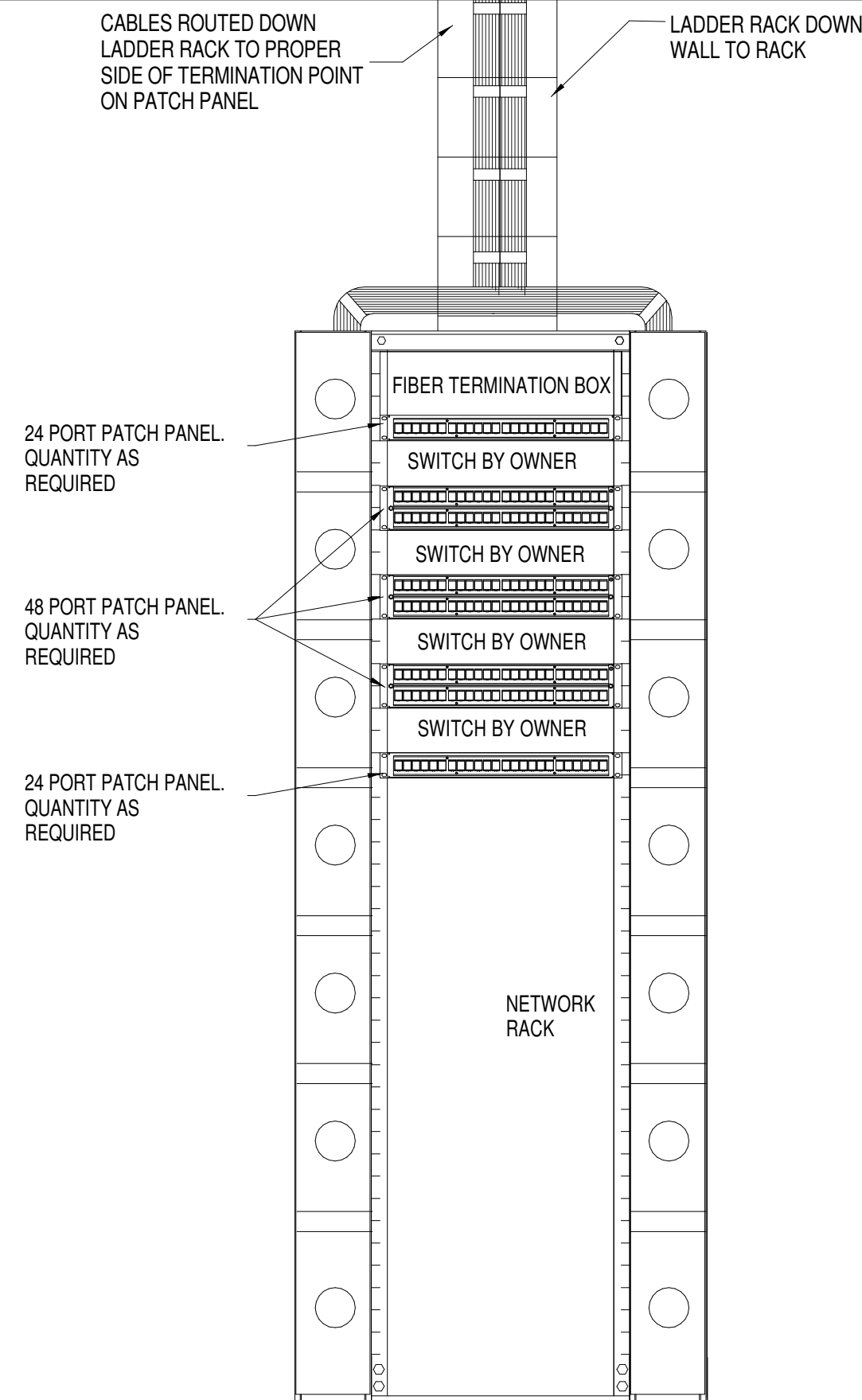
DATA AND TELEPHONE CABLE PLANT COLOR CODING

ITEM	DESCRIPTION	HORIZONTAL CABLE	INSERT	PATCH CABLES
1	Data	Blue	Blue	Blue
2	Wireless	Green	Green	Green
3	Camera System	Yellow	Yellow	Yellow
4	Vape / Safety System	White	White	White
5	Fire System	Red	Red	Red
6	HDBase T / AV	Gray	Gray	Gray
7	HVAC	Orange	Orange	Orange

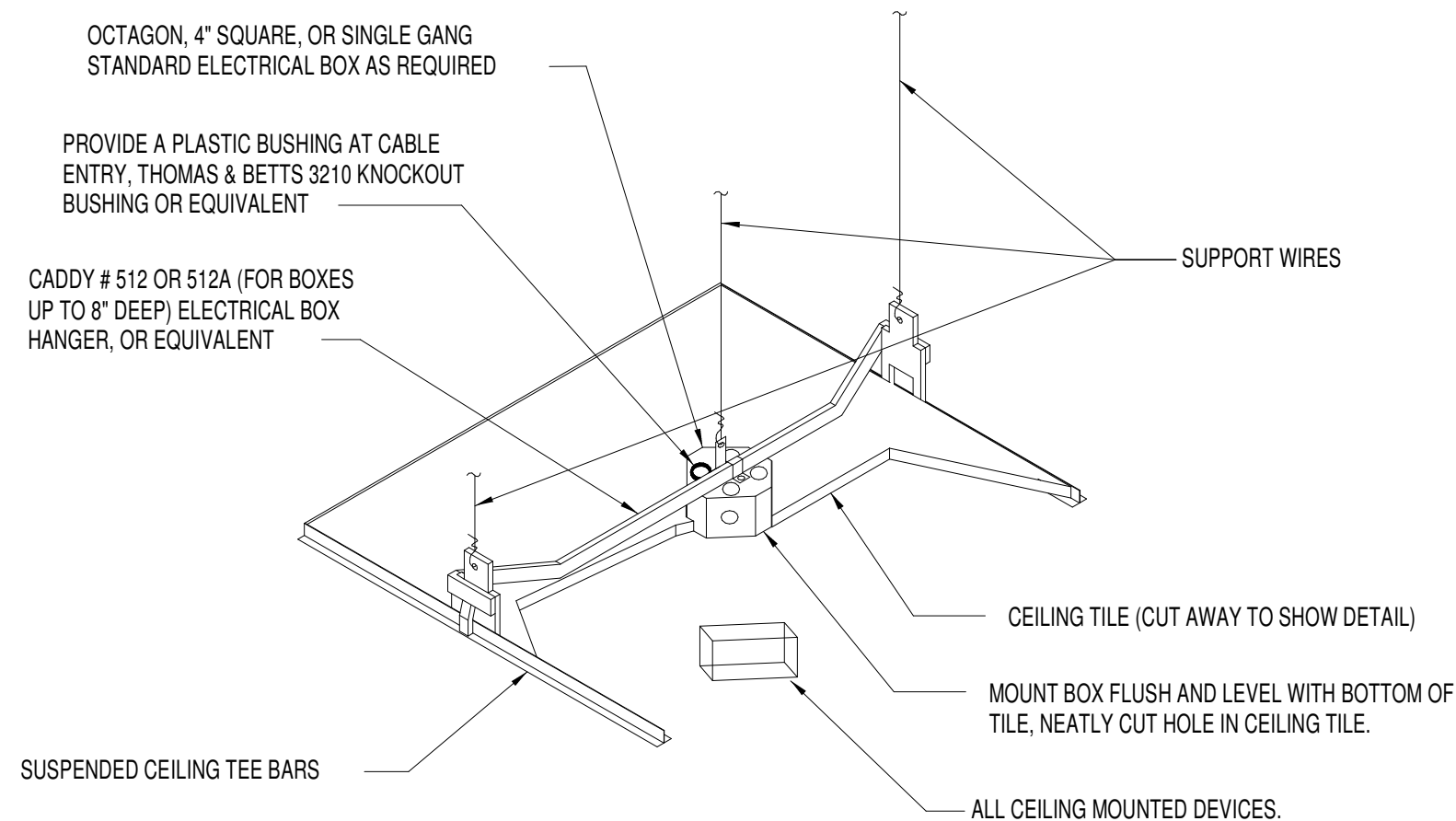
NOTES: 1 Any Single-mode fiber to be Yellow.
2 Any Multi-mode fiber to be Aqua.



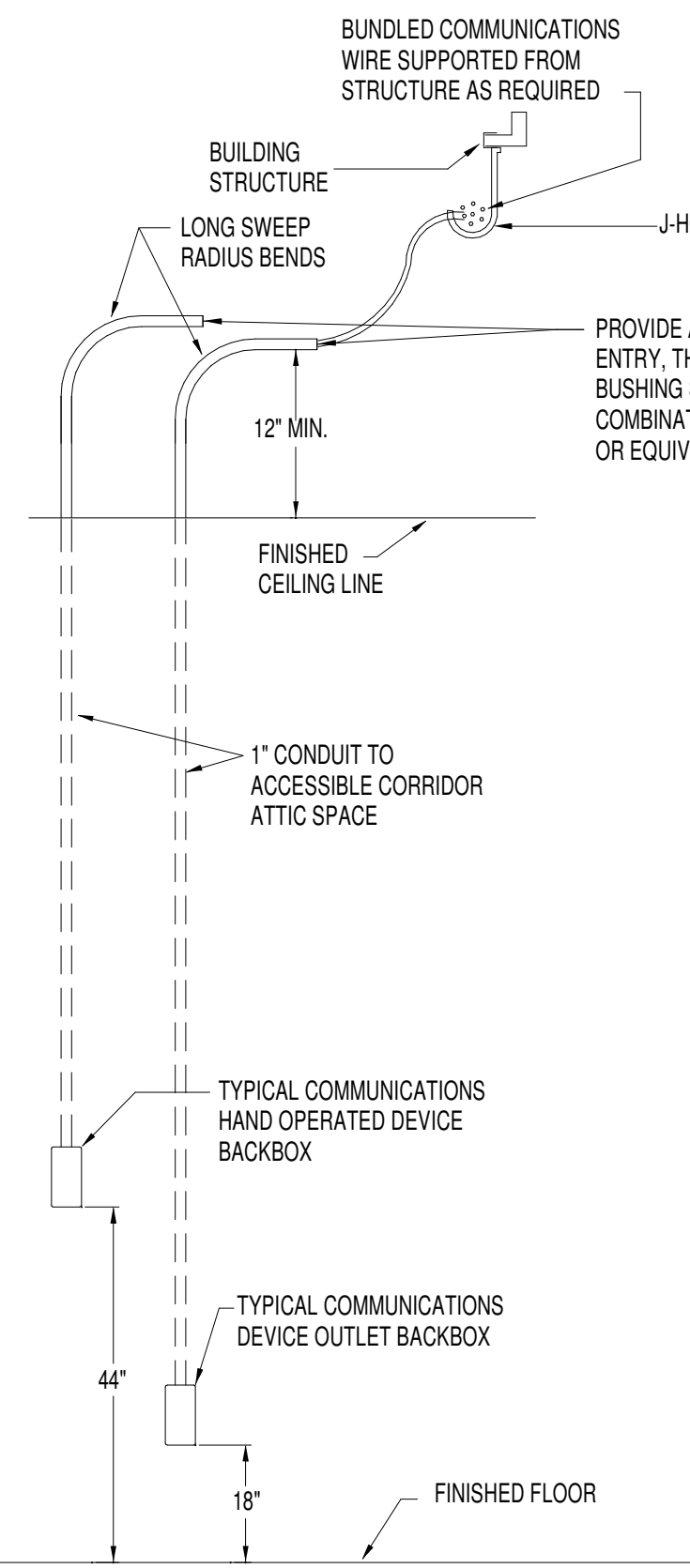
2 FIBER BACKBONE RISER
N.T.S.



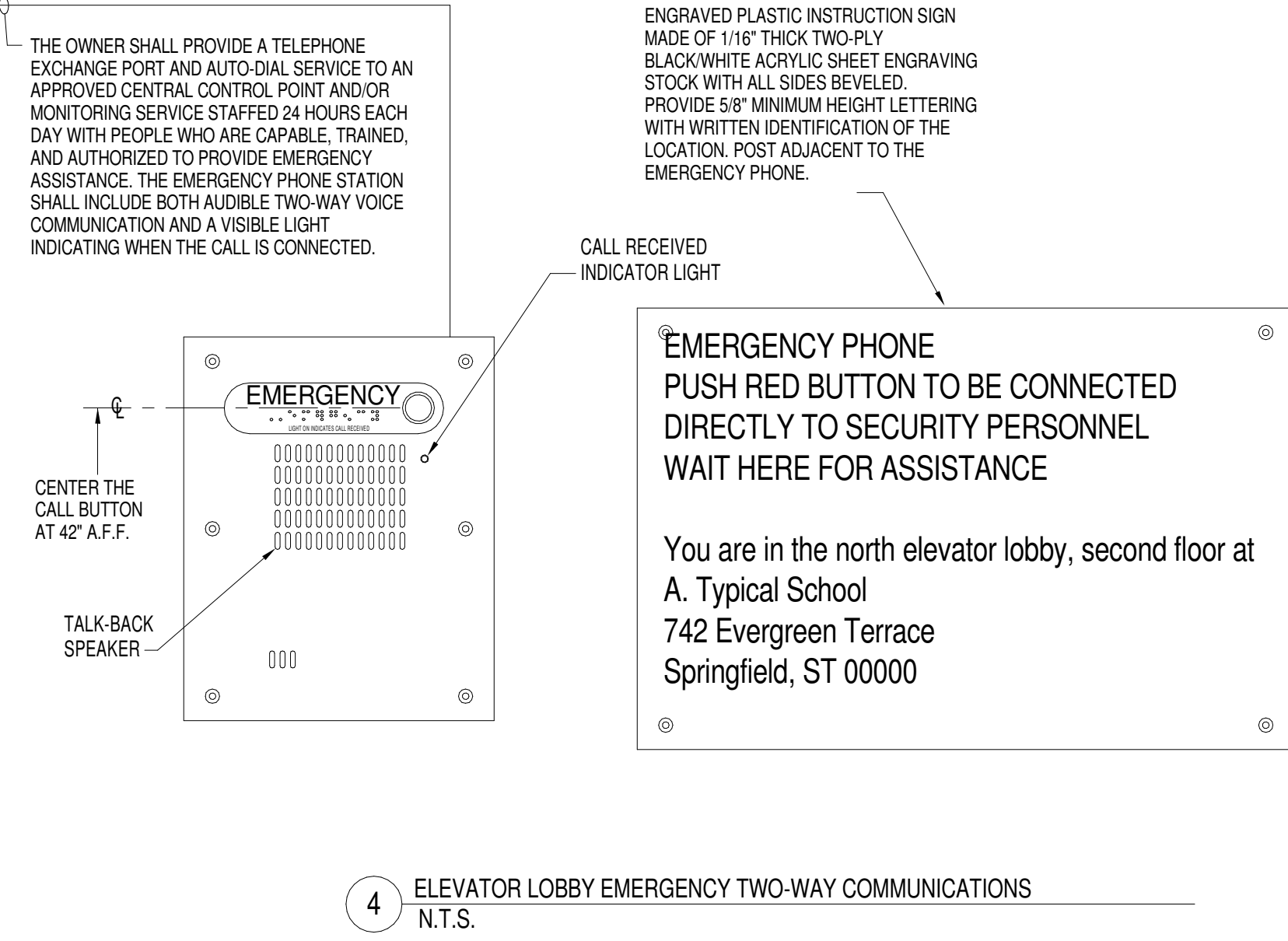
1 TYPICAL MDF/IDF NETWORK RACK LAYOUT
N.T.S.



3 HANGER BAR DETAIL FOR ALL DROP CEILING MOUNTED DEVICES
N.T.S.



5 COMMUNICATIONS DEVICE BACKBOXES
N.T.S.

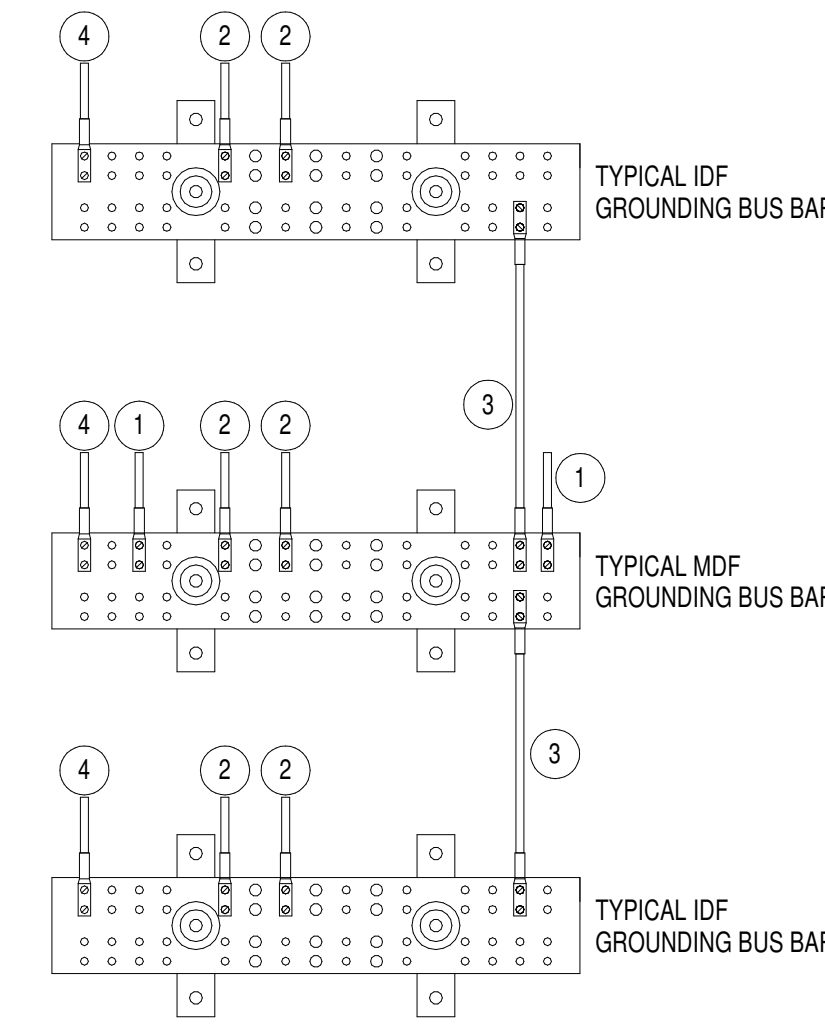


4 ELEVATOR LOBBY EMERGENCY TWO-WAY COMMUNICATIONS
N.T.S.

DATA CABLE PLANT SYMBOLS

<D	TELEPHONE DESKSET JACK - MOUNTED 18" A.F.F. OR 6" ABOVE BACKSPLASH IF SHOWN AT MILLWORK
<W	TELEPHONE WALLSET JACK - MOUNTED DEVICE PLATE WITH MOUNTING STUDS 44" A.F.F.
<DR	DESKSET/DATA JACK WALL PLATE, NUMBER DENOTES DATA LINE QUANTITY - MOUNTED 18" A.F.F. OR 6" ABOVE BACKSPLASH IF SHOWN AT MILLWORK
<Z	DATA JACK, NUMBER DENOTES DATA LINE QUANTITY PER WALL PLATE - MOUNTED 18" A.F.F. OR 6" ABOVE BACKSPLASH IF SHOWN AT MILLWORK
<WL	DATA JACK FOR WIRELESS ACCESS POINT - WALL MOUNT 10'-0" A.F.F. OR AS NOTED OR USE SURFACE MOUNT BOX ABOVE CEILING.
<TC	DATA JACK WALL PLATE FOR TIMECLOCK - MOUNTED 44" A.F.F.
<AC	DATA JACK FOR ACCESS CONTROL - WALL MOUNT AS NOTED OR USE SURFACE MOUNT BOX ABOVE CEILING.
<SC	DATA JACK FOR PREMISE INTRUDER ALARM - WALL MOUNT AS NOTED OR USE SURFACE MOUNT BOX ABOVE CEILING.
<VS	DATA JACK FOR VAPE DETECTION SENSOR - WALL MOUNT 10'-0" A.F.F. OR AS NOTED OR USE SURFACE MOUNT BOX ABOVE CEILING.
<SJ	SERVICE JACK FOR ELEVATOR CAB EMERGENCY TELEPHONE
<EQ	DATA JACK FOR ELEVATOR LOBBY EMERGENCY TWO-WAY COMMUNICATIONS - WALL MOUNT AS REQUIRED.
<J	JUNCTION BOX - WALL MOUNTED BACKBOX 18" A.F.F. OR AS NOTED
<R	EQUIPMENT RACK, AS REQUIRED PER SPECIFICATIONS.
<EB	EQUIPMENT BACKBOARD, 3/4" C/D FIRE RATED PLYWOOD PANELS AS REQUIRED
<TR	CABLE TRAY
<SR	SURFACE RACEWAY - SEE DIVISION 26 ELECTRICAL PLANS AND SPECS.
<CP	COMMUNICATION/POWER POLE - SEE DIVISION 26 ELECTRICAL PLANS AND SPECS.
<FB	FLOOR BOX - # DENOTES GANG SEE DIVISION 26 SPECS
<FT	POKE-THRU - # DENOTES GANG SEE DIVISION 26 SPECS
<CG	COPPER GROUND BUSS BAR WITH INSULATED WALL MOUNTING BRACKETS - SEE ELECTRICAL SPECS. SECTION 26 00 00

NOTES: 1. SOME SYMBOLS MAY NOT BE USED.
2. ACCESSIBLE DEVICES HIGHEST OPERABLE PART TO BE 48" MAXIMUM/18" MINIMUM A.F.F. - REFER TO ARCHITECTURAL DRAWINGS.
3. DIMENSIONS GIVEN A.F.F. ARE TO BOTTOM OF BOX.



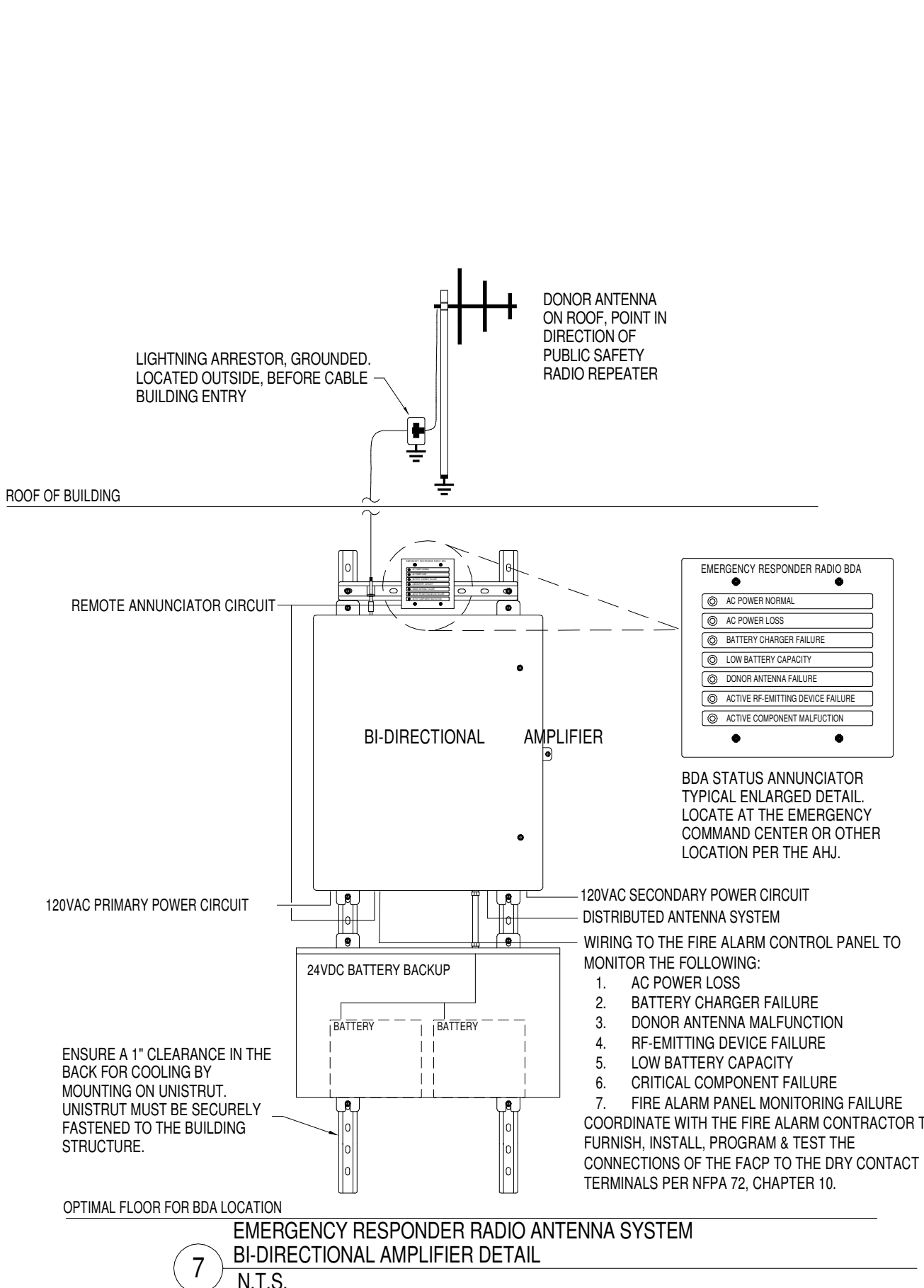
GROUNDING GENERAL NOTES

- ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL MDF GROUNDING BUS BAR, IDF GROUNDING BUS BAR, BONDING CONDUCTOR TO BUILDING GROUNDING ELECTRODE SYSTEM AT MAIN SERVICE ENTRANCE, BONDING CONDUCTOR TO STRUCTURAL STEEL AND TELECOMMUNICATION BACKBONE BONDING CONDUCTORS.
- DIVISION 27 CONTRACTOR TO FURNISH AND INSTALL ALL BONDING CONDUCTORS TO COMMUNICATION EQUIPMENT (LADDER RACK, RACKS, CABINETS, ETC.).
- SECURE GROUNDING BUS BAR TO EQUIPMENT BACKBOARD. MOUNT BUS BAR AT 8'-6" A.F.F. AND COORDINATE EXACT LOCATION WITH OWNER.
- GROUNDING BUS BAR TO BE 4"x20"x.25" PANDUIT PART NUMBER GB40824TP-1, OR EQUIVALENT. USE ANTI-OXIDANT COMPOUND WITH ANY ALUMINUM LUG INSTALLATION.

GROUNDING PLAN NOTES

- #2 BONDING CONDUCTOR TO BUILDING GROUNDING ELECTRODE SYSTEM AT MAIN SERVICE ENTRANCE.
- #6 BONDING CONDUCTOR TO COMMUNICATION EQUIPMENT (LADDER RACK, RACKS, CABINETS, ETC.) AS REQUIRED. EACH PIECE OF EQUIPMENT TO HAVE DEDICATED BONDING CONDUCTOR BACK TO BUS BAR.
- #2 TELECOMMUNICATION BACKBONE BONDING CONDUCTOR.
- #6 BONDING CONDUCTOR TO STRUCTURAL STEEL.

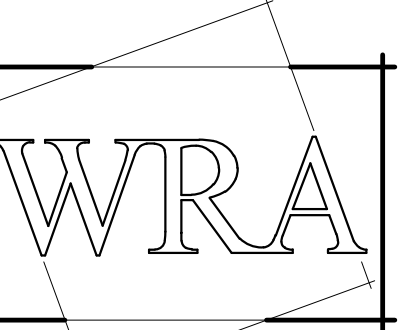
6 TELECOMMUNICATIONS ROOM GROUNDING
N.T.S.



7 EMERGENCY RESPONDER RADIO ANTENNA SYSTEM
BI-DIRECTIONAL AMPLIFIER DETAIL
N.T.S.

ELECTRICAL COMMUNICATION GENERAL NOTES

- ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT AND STANDARD BACKBOXES FOR SYSTEMS SHOWN ON THIS DRAWING IN BASE PROPOSAL.
- IN ANY EXPOSED CEILING AREAS ALL LOW VOLTAGE CABLING SHALL BE ENCLOSED IN CONDUIT. THIS SHALL INCLUDE SPACES WITH SUSPENDED ACoustICAL CLOUD AND/OR CANOPY TYPE CEILINGS.
- ALL COMMUNICATIONS CABLING SHALL RUN DOWN THE CORRIDORS. TRUNKING SHALL BE RUN PRIMARILY PERPENDICULAR TO BUILDING WALLS.
- WHERE NO FINISHED CEILINGS ARE SCHEDULED ALL DEVICES, CONDUIT, AND BACKBOXES SHALL BE INSTALLED UP AGAINST BOTTOM OF DECK AND SHALL NOT PROTRUDE BELOW BOTTOM OF STEEL. THE ARCHITECT SHALL APPROVE ROUTING OF ALL EXPOSED ROUGH-INS PRIOR TO PLACEMENT.
- ANY SIGNAL, OUTLET OR OTHER DEVICE MOUNTED ON A COLUMN, PILASTER, OR SIMILAR WALL OFFSET AREA SHALL BE CENTERED.
- COORDINATE MOUNTING HEIGHT OF DEVICES ABOVE MILLWORK WITH ARCHITECTURAL PLANS.
- VERIFY MARKERBOARD, TACKBOARD, AND DOOR SWING LOCATIONS WITH ARCHITECTURAL PLANS - DO NOT INSTALL DEVICES IN THESE AREAS.
- COORDINATE EXACT LOCATION OF ALL DEVICES, ETC. INSTALLED IN MOVEABLE FURNITURE WITH ARCHITECT AND OWNER.
- CONFIRM ALL COMMUNICATIONS DEVICE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. THE ARCHITECT RESERVES THE RIGHT TO LOCATE DEVICES ANYWHERE WITHIN EACH ROOM AND DETERMINE SURFACE RACEWAY ROUTING IF APPLICABLE.
- PROVIDE 4" X 8" X 3/4" C/D FIRE RATED PLYWOOD PANELS AS REQUIRED AND INDICATED ON DRAWINGS. MOUNT BOTTOM OF PLYWOOD AT 24" A.F.F. PAINT TO MEET UL723 REQUIREMENTS WITH RATING STAMP OF PLYWOOD LEFT EXPOSED.
- REFER TO SPECIFICATION DIVISIONS 27 AND 28 FOR ADDITIONAL INFORMATION.



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No. 1 Addendum 1 Date 9/19/2024

ELECTRICAL COMM. DETAILS, SYMBOLS & GENERAL NOTES
ET701

JOB NO. 2399
DATE: 09/19/2024
ELECTRICAL COMM. DETAILS, SYMBOLS & GENERAL NOTES
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INTERCOM SCHEDULE						
SYMBOL	PRODUCT	ACCESSORIES	MANUFACTURER	PART NUMBER	NO EXCEPTIONS APPROVED EQUIV.	COMMENTS
Ⓜ	Administrative Phone		Rauland	TCC245	○	
Ⓢ	Lay-in speaker		Rauland	BAFTKIT1X2570V	○	Drop Ceiling Locations
Ⓢ	Ceiling speaker		Rauland	ACC1101	○	Hard Ceiling Locations
Ⓢ	Ceiling speaker		Quam	8B270RSB	○	Open Ceiling Locations
Ⓢ	Lay-in speaker		Rauland	BAFTKIT1X258RJ	○	Drop Ceiling Locations
			Rauland	TCC2011	○	
Ⓢ	Wall-mount speaker		Rauland	USO188	○	
		Backbox	Rauland	ACC1105	○	
Ⓢ	Horn Speaker		QUAM	H16/SVP & SEWVP	○	
Ⓢ	Horn Speaker		QUAM	H16/SVP & SEWVP	○	
Ⓢ	Exterior recessed speaker		Rauland	ACC1411	○	Zone exterior separately
		Backbox	Rauland	ACC1105	○	
Ⓢ	Call Button		Rauland	TCC3066	○	Provide as required
			Rauland	TX-WCXATRN	○	
Ⓢ	4" Digital Clock		Rauland	WCD404R	○	Mount at 10 ft. AFF
		Double mount	Rauland	WCD40MW	○	
		Power Supply	Rauland	2515	○	
Ⓢ	4" Digital Clock	Include Wire Guard	Rauland	WCD404R	○	Mount at 10 ft. AFF

NOTES: 1. REFER TO SPECIFICATIONS 27 51 41 FOR ADDITIONAL INFORMATION.
2. PROVIDE COMPLETE TURN KEY SYSTEM THROUGHOUT CAMPUS.
3. NOT ALL HEAD END EQUIPMENT SHOWN.

VIDEO SURVEILLANCE SYSTEM SCHEDULE						
SYMBOL	PRODUCT	MANUFACTURER	PART NUMBER	ACCESSORIES	NO EXCEPTIONS APPROVED EQUIV.	COMMENTS
	Network Video Recorder	Panasonic	NVR-RL-2-96TB-V3		○	Rack mounted in MDF room.
Ⓢ	Interior Camera	Panasonic	WV-S22500-V3L	Hanger Bar Wall Mount Bracket - WV-QWL500-W	○	
Ⓢ	Interior / Exterior Camera	Panasonic	WV-S85402-F2L		○	
Ⓢ	Interior / Exterior Camera	Panasonic	WV-S8544L		○	
Ⓢ	Exterior Camera	Panasonic	WV-X25700-V2LN	Wall Mount Bracket - WV-QWL500-W	○	
Ⓢ	Exterior Camera	Panasonic	WV-X66700-Z3S	Wall Mount Bracket - WV-QWL501S-W	○	
	Surge Protection	Dtek	DTK-1LVLP-X		○	Provide at all Exterior camera locations.

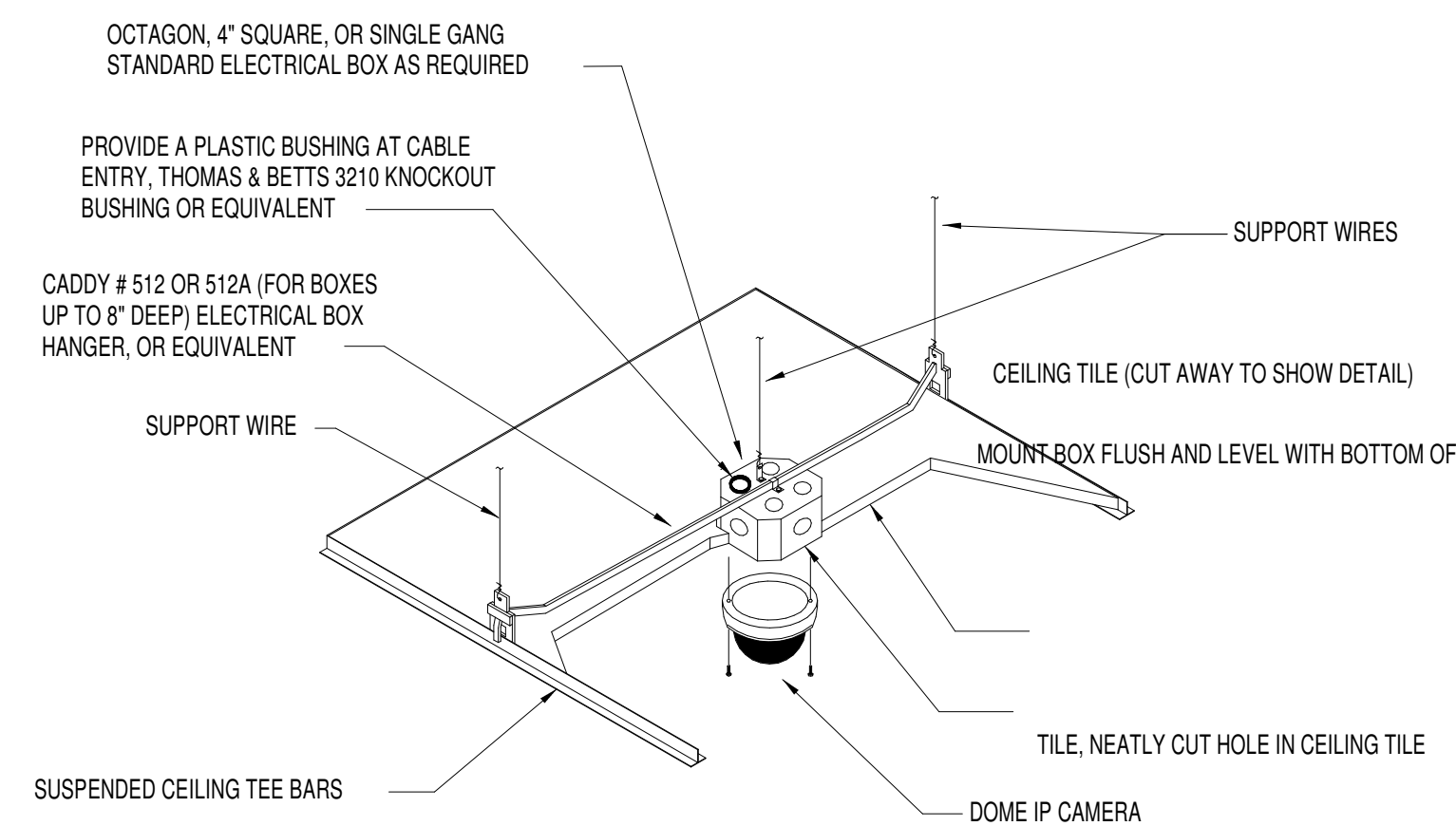
NOTES: 1. REFER TO SPECIFICATIONS 28 23 20 FOR ADDITIONAL INFORMATION.
2. ANY SUBSTITUTIONS MUST ALSO INCLUDE ACCESS CONTROL INTEGRATION WITH THE SAME MANUFACTURER.

PREMISE INTRUDER ALARM SYSTEM SCHEDULE							
SYMBOL	PRODUCT	MANUFACTURER	PART NUMBER	ACCESSORIES	NO EXCEPTIONS APPROVED EQUIV.	COMMENTS	POWER REQUIREMENTS
Ⓢ	Control Panel	NAPCO	Gemini P9600	Gemini EZM exp. modules	○		(1) 120V 20A
Ⓢ	Communicator	NAPCO	Starlink Cellular		○		
Ⓢ	Keypad	NAPCO	GEM-RP1CAe2		○		
Ⓢ	Door Switches	Interlogix	1076D-G		○	Recessed magnetic contact door switch	
Ⓢ	Door Switches	Interlogix	2507AD-L		○	Overhead Doorstop hatch	
Ⓢ	Motion Detectors	Bosch	DS Series		○		
	Auxiliary Power Supply	Altronix	AL400ULX			Provide as required	(1) 120V 20A
	Local Audible Alarm	Interlogix	MPI-47C			Mount above ceiling at keypad locations.	

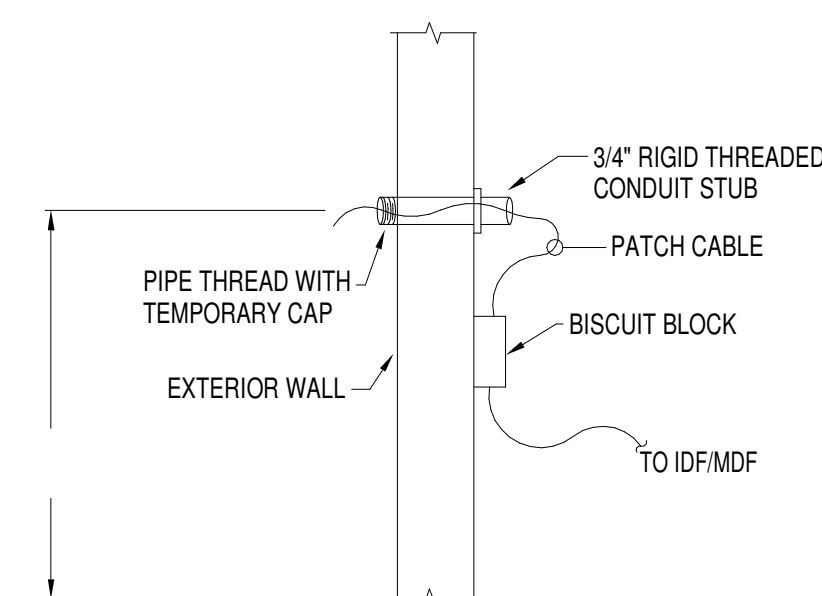
NOTES: 1. REFER TO SPECIFICATIONS 28 31 24 FOR ADDITIONAL INFORMATION.

BUILDING ACCESS CONTROL SYSTEM SCHEDULE						
SYMBOL	PRODUCT	MANUFACTURER	PART NUMBER	ACCESSORIES	NO EXCEPTIONS APPROVED EQUIV.	COMMENTS
Ⓢ	Door Controller	Open Options	LP1502		○	Provide as required.
Ⓢ	Door Sub Controller	Open Options	MRS2-S3		○	Provide as required.
Ⓢ	Card Reader	HID	SIGNO20 or SIGNO40		○	Mount at 44" A.F.F. Mullion Mount as required.
Ⓢ	Card Reader	HID	SIGNO40k		○	Mount at 44" A.F.F.
	Request to Exit Switch	Von Duprin	RX		○	
	Request to Exit Sensor	Assa Abloy	XMS		○	
Ⓢ	Door Switches	GE	1076D-G		○	Recessed magnetic contact door switch
Ⓢ	Door Intercom Station	Alphone	XI Series	MCW-S Desk Stand, RY-18L Relay	○	XI-DV Door Station
Ⓢ	Desk Intercom Station	Alphone	XI Series	MCW-S Desk Stand, RY-18L Relay	○	XI-MV7-B Desk Station
Ⓢ	Door Release Button	Alarm Controls	TS-18		○	Console cord shall be General Cable Part #89004
Ⓢ	Panic Button	Amseco	HUSK-20		○	Mount under desk.
Ⓢ	Lock Down Button	Amseco	HUSK-20		○	Mount 2" above Desk Height. Coordinate With Owner

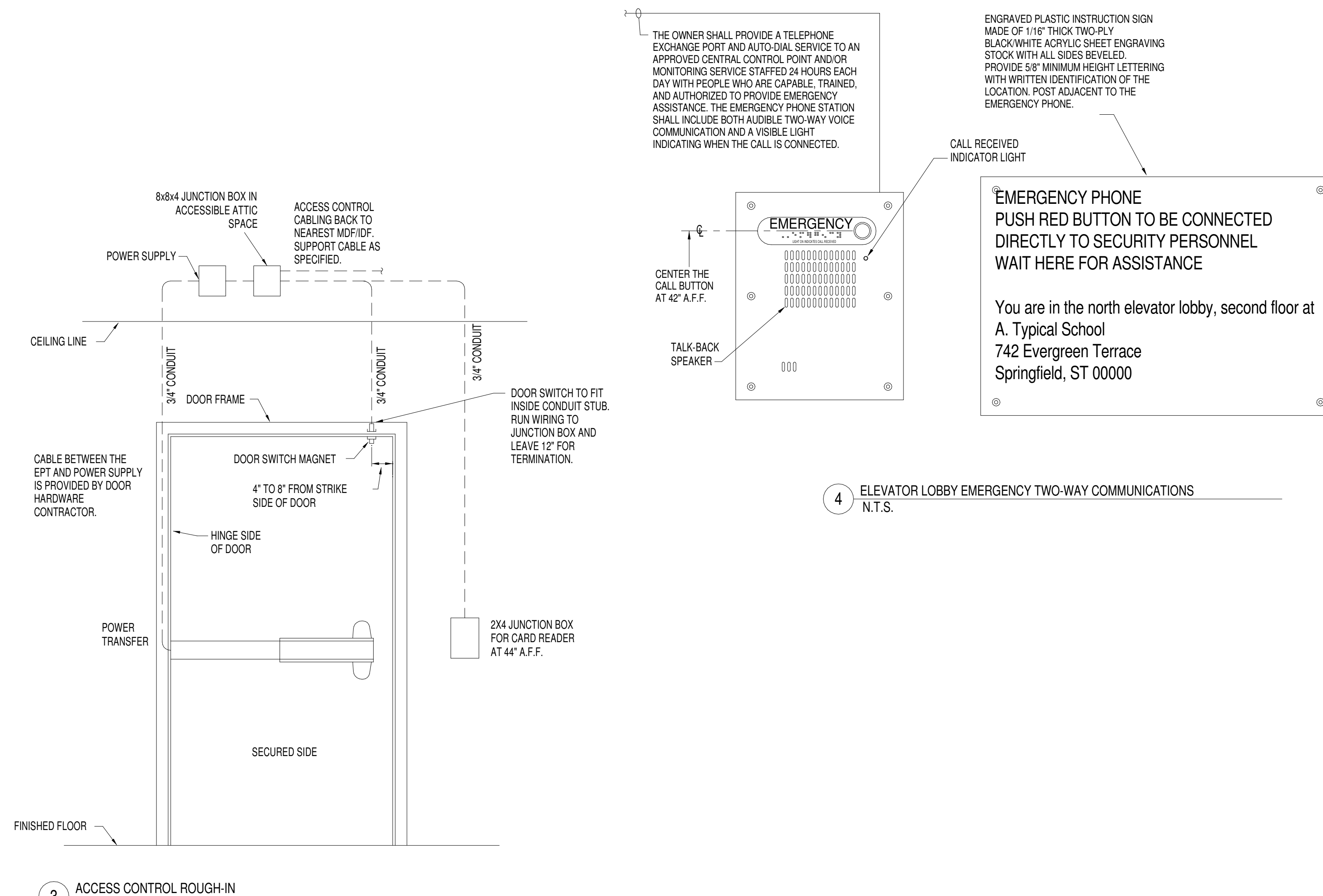
NOTES: 1. REFER TO SPECIFICATIONS 28 13 27 FOR ADDITIONAL INFORMATION.



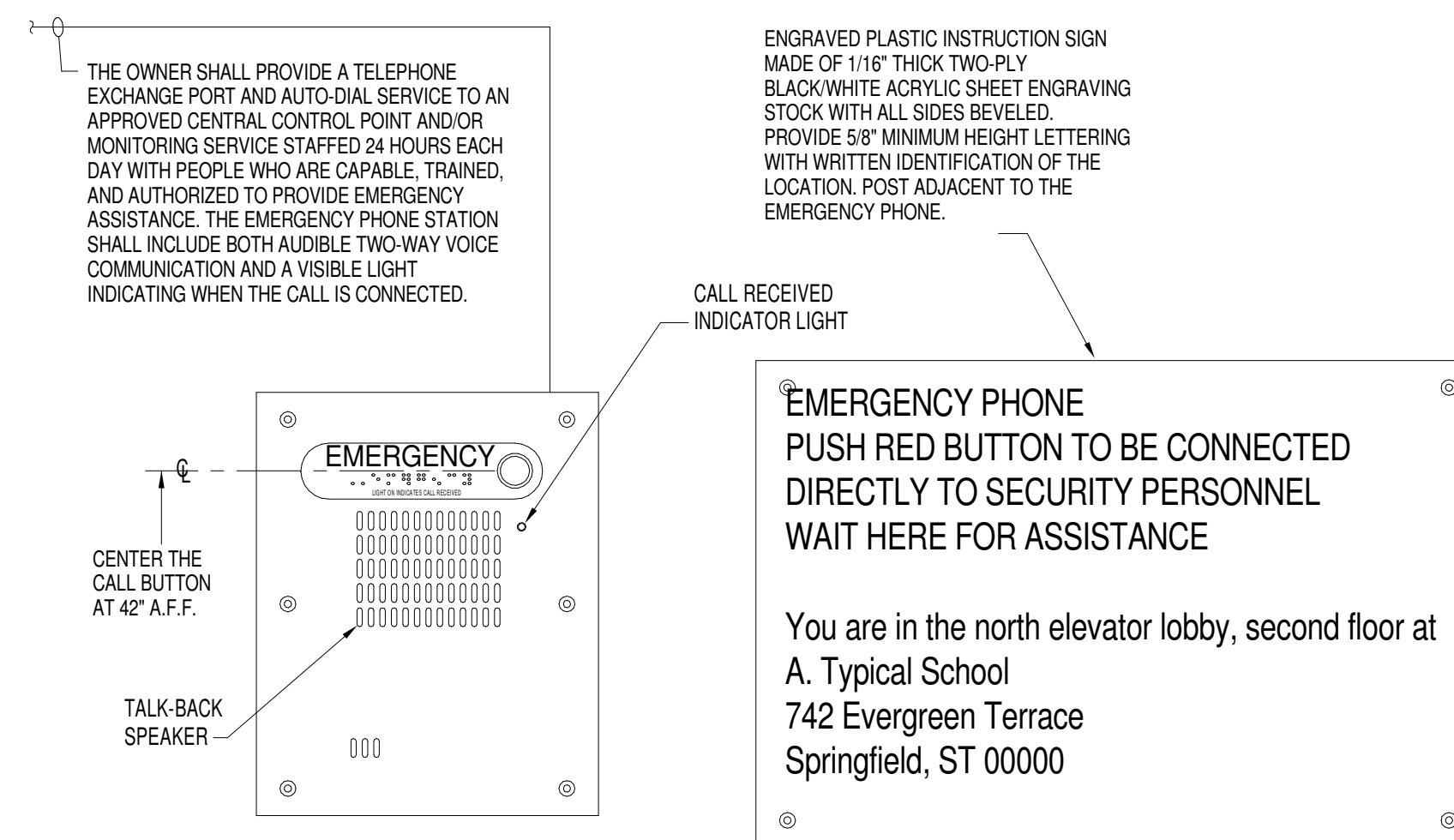
1 HANGER BAR DETAIL FOR CEILING MOUNT IP DOME CAMERA
N.T.S.



2 EXTERIOR WALL WIRELESS ACCESS POINT/CAMERA MOUNTING DETAIL
N.T.S.



3 ACCESS CONTROL ROUGH-IN
N.T.S.



4 ELEVATOR LOBBY EMERGENCY TWO-WAY COMMUNICATIONS
N.T.S.