

**REBID ADDENDUM NO. 3  
TO  
CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS  
FOR IMPROVEMENTS TO THE  
ST. JOSEPH ROSECRANS MEMORIAL AIRPORT  
ST. JOSEPH, MISSOURI  
MODOT PROJECT NO. 22-012A-1**

To All Bidders: You are requested to make all changes and/or additions contained in this addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal shall result in rejection of bid. Bidders are informed that the above referenced Contract Documents, Specifications, and Plans are modified as follows as of January 13th, 2023.

**Plans:**

1. Plans

Sheet: A-711, A-712, A-713 Enlarged Stair & Ramp Plans & Sections

Revision: The Note has been updated for Type 1 and Type 4 walls to remove wording for the lip on the foundation wall for the masonry veneer.

**Specifications:**

2. Specifications:

Revision: Added Part 2.2 to 07 21 00 Thermal Insulation

**QUESTIONS:**

3. Will there be a sales tax exemption on construction and building materials for Rosecrans Memorial Airport?

- a) The City of St. Joseph will provide a tax exemption certificate.

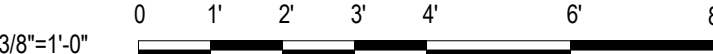
4. Is the masonry wall cap to be precast concrete or sandstone?
  - a) Precast Concrete with Sandstone Color
5. Is there a spec for the wall insulation?
  - a) Please see additional Part 2.2 Batt Insulation Materials in revised Specification Section 07 21 00 Thermal Insulation
6. In Detail C4 Sheet A-713, should the wall be 10-1/2" thick to maintain the 8" thick wall concrete?
  - a) Yes it should be 10 1/2" thick to maintain the 8" wall. The Note has been updated for Type 1 and Type 4 walls on sheets A-711-, A-712, and A-713 to remove wording of the lip on the foundation wall for the masonry veneer.
7. Is there a specification for the Terminal Building.
  - a) The Terminal Building Specifications are:
    1. SECTION 03 30 00 CAST-IN-PLACE CONCRETE
    2. SECTION 03 45 00 PRECAST ARCHITECTURAL CONCRETE
    3. SECTION 04 20 00 UNIT MASONRY
    4. SECTION 04 43 16 ADHERED MASONRY VENEER
    5. SECTION 05 12 00 STRUCTURAL STEELFRAMING
    6. SECTION 05 12 13 ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING
    7. SECTION 05 31 00 STEEL DECKING
    8. SECTION 05 40 00 COLD-FORMED METAL FRAMING
    9. SECTION 05 50 00 METAL FABRICATIONS
    10. SECTION 05 52 13 PIPE AND TUBE RAILINGS
    11. SECTION 06 10 53 MISCELLANEOUS ROUGH CARPENTRY
    12. SECTION 06 40 23 INTERIOR ARCHITETURAL WOODWORK
    13. SECTION 06 41 16 PLASTIC LAMINATE CLAD ARCHITECTURAL CASEWORK (N)
    14. SECTION 07 14 16 COLD FLUID-APPLIED WATERPROOFING
    15. SECTION 07 21 00 THERMAL INSULATION
    16. SECTION 07 25 00 WEATHER BARRIERS
    17. SECTION 07 42 13.23 METAL COMPOSITE MATERIAL (MCM) SYSTEM
    18. SECTION 07 54 23 THERMOPLASTIC POLYOLEFIN (TPO) ROOFING
    19. SECTION 07 62 00 SHEET METAL FLASHING AND TRIM
    20. SECTION 07 71 00 ROOF SPECIALTIES
    21. SECTION 07 72 00 ROOF ACCESSORIES
    22. SECTION 07 81 23 INTUMESCENT FIREPROOFING
    23. SECTION 07 84 00 FIRESTOPPING
    24. SECTION 07 92 00 JOINT SEALANTS
    25. SECTION 07 92 19 ACOUSTICAL JOINT SEALANTS
    26. SECTION 08 11 13 HOLLOW METAL DOORS AND FRAMES
    27. SECTION 08 14 16 PLASTIC LAMINATE
    28. SECTION 08 33.23 OVERHEAD COILING DOORS
    29. SECTION 08 41 13 ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS
    30. SECTION 08 71 00 DOOR HARDWARE
    31. SECTION 08 80 00 GLAZING
    32. SECTION 09 22 16 NON-STRUCTURAL METAL FRAMING

33. SECTION 09 29 00 GYPSUM BOARD
34. SECTION 09 30 13 CERAMIC TILING
35. SECTION 09 51 13 ACOUSTICAL PANEL CEILINGS
36. SECTION 09 62 38 STATIC-CONTROL FLOORING (N)
37. SECTION 09 65 13 RESILIENT BASE AND ACCESSORIES
38. SECTION 09 67 23 RESINOUS FLOORING
39. SECTION 09 68 13 TILE CARPENTING
40. SECTION 09 72 00 WALL COVERINGS (N)
41. SECTION 09 91 23 INTERIOR PAINTING
42. SECTION 09 96 46 INTUMESCENT PAINT
43. SECTION 10 14 00 SIGNAGE
44. SECTION 10 14 35 DIMENSIONAL SIGN CHARACTERS
45. SECTION 10 21 00 TOILET COMPARTMENTS
46. SECTION 10 26 00 WALL AND DOOR PROTECTION
47. SECTION 10 28 00 TOILET, BATH, AND LAUNDRY ACCESSORIES
48. SECTION 10 44 13 FIRE PROTECTION CABINETS & DEFIBRILLATORS
49. SECTION 10 44 16 FIRE EXTINGUISHERS
50. SECTION 11 13 13 LOADING DOCK BUMPERS
51. SECTION 11 40 00 FOODSERVICE EQUIPMENT (N)
52. SECTION 12 24 13 ROLLER WINDOW SHADES
53. SECTION 12 36 61.19 QUARTZ AGGLOMERATE COUNTERTOPS
54. SECTION 22 01 00 BASIC PLUMBING PROCEDURES AND REQUIREMENTS
55. SECTION 22 05 00 COMMON WORK RESULTS FOR PLUMBING
56. SECTION 22 05 23 PLUMBING VALVES AND PIPING SPECIALTIES
57. SECTION 22 05 29 HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT
58. SECTION 22 05 53 IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT
59. SECTION 22 07 00 PLUMBING INSULATION
60. SECTION 22 10 00 PLUMBING PIPING
61. SECTION 22 10 19 PLUMBING SPECIALITIES
62. SECTION 22 16 23 FUEL GAS PRICING
63. SECTION 22 33 50 WATER HEATERS
64. SECTION 22 40 00 PLUMBING FIXTURES
65. SECTION 23 05 13 COMMON MOTOR REQUIREMENT FOR HVAC EQUIPMENT
66. SECTION 23 05 29 HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT
67. SECTION 23 05 93 TESTING, ADJUSTING, AND BALANCING FOR HVAC
68. SECTION 23 09 23 DIRECT DIGITAL CONTROL (DDC) SYSTEM FOR HVAC
69. SECTION 23 33 00 AIR DUCT ACCESSORIES
70. SECTION 23 34 23 HVAC POWER VENTILATORS
71. SECTION 23 37 13.13 AIR DIFFUSERS
72. SECTION 23 74 16.11 PACKAGED ROOFTOP AIR-CONDITIONING UNITS
73. SECTION 26 05 19 LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES
74. SECTION 26 05 26 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
75. SECTION 26 05 29 HANGARS AND SUPPORTS FOR ELECTRICAL SYSTEMS
76. SECTION 26 05 33.13 CONDUIT FOR ELECTRICAL SYSTEMS
77. SECTION 26 05 33.16 BOXES FOR ELECTRICAL SYSTEMS
78. SECTION 26 05 48 VIBRATION AND SEISMIC CONTROLS FOR ELECTRICAL SYSTEMS
79. SECTION 26 05 53 IDENTIFICATION FOR ELECTRICAL SYSTEMS
80. SECTION 26 05 73 POWER SYSTEM STUDIES
81. SECTION 26 09 23 LIGHTING CONTROL DEVICES

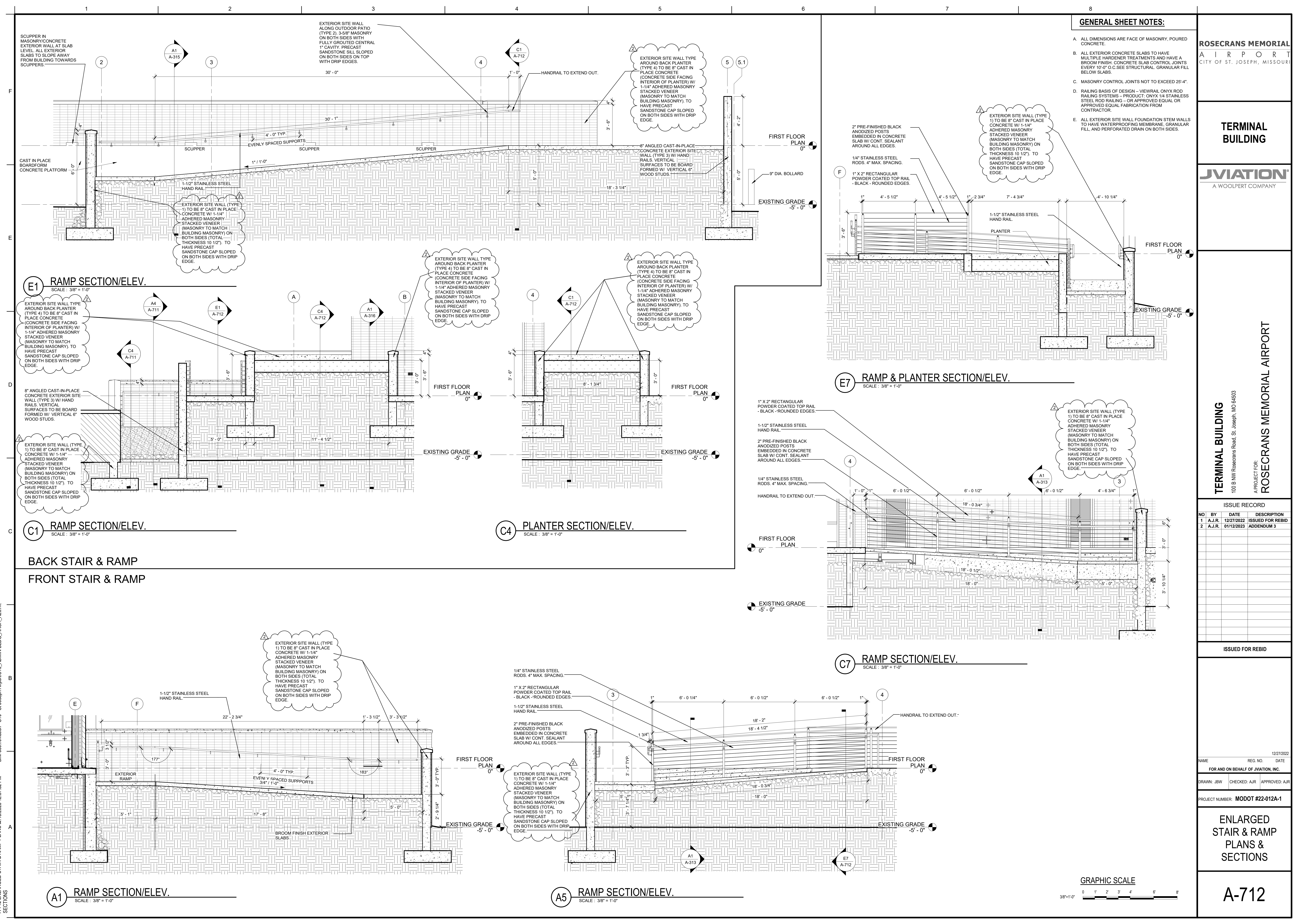
- 82. SECTION 26 21 00 LOW-VOLTAGE ELECTRICAL SERVICE ENTRANCE
- 83. SECTION 26 24 16 PANELBOARDS
- 84. SECTION 26 27 26 WIRING DEVICES
- 85. SECTION 26 43 00 SURGE PROTECTIVE DEVICES
- 86. SECTION 26 51 00 INTERIOR LIGHTING
- 87. SECTION 26 56 00 EXTERIOR LIGHTING
- 88. SECTION 27 05 29 HANGERS AND SUPPORTS FOR COMMUNICATION SYSTEMS
- 89. SECTION 27 05 33.13 CONDUIT FOR COMMUNICATION SYSTEMS
- 90. SECTION 27 10 00 STRUCTURED CABLING
- 91. SECTION 28 20 00 VIDEO SURVEILLANCE
- 92. SECTION 31 10 00 SITE CLEARING
- 93. SECTION 31 23 00 EARTHWORK



		12/27/2022
NAME	REG. NO.	DATE
FOR AND ON BEHALF OF JVIATION, INC.		
DRAWN: JBW	CHECKED: AJR	APPROVED: AJR
PROJECT NUMBER: MODOT #22-012A-1		







ROSECRANS MEMORIAL  
AIRPORT  
CITY OF ST. JOSEPH, MISSOURI

TERMINAL BUILDING

JVIATION  
A WOOLPERT COMPANY

TERMINAL BUILDING  
100 S NW Rosecrans Road, St. Joseph, MO 64503

A PROJECT FOR:  
ROSECRANS MEMORIAL AIRPORT

ISSUE RECORD			
NO	BY	DATE	DESCRIPTION
1	A.J.R.	12/27/2022	ISSUED FOR REBID
2	A.J.R.	01/12/2023	ADDENDUM 3

ISSUED FOR REBID

NAME  
FOR AND ON BEHALF OF JVIATION, INC.

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ENLARGED  
STAIR & RAMP  
PLANS &  
SECTIONS

A-712



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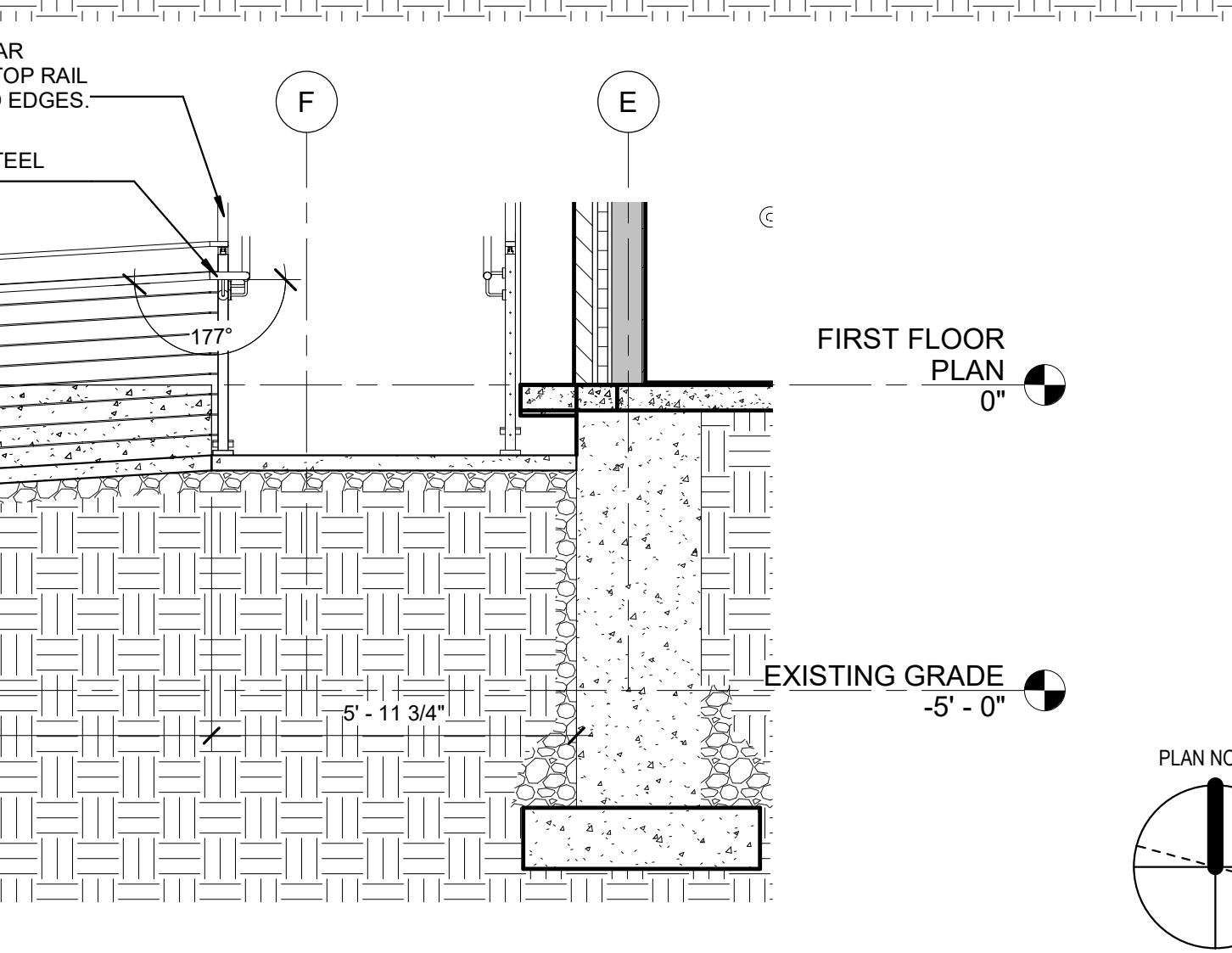
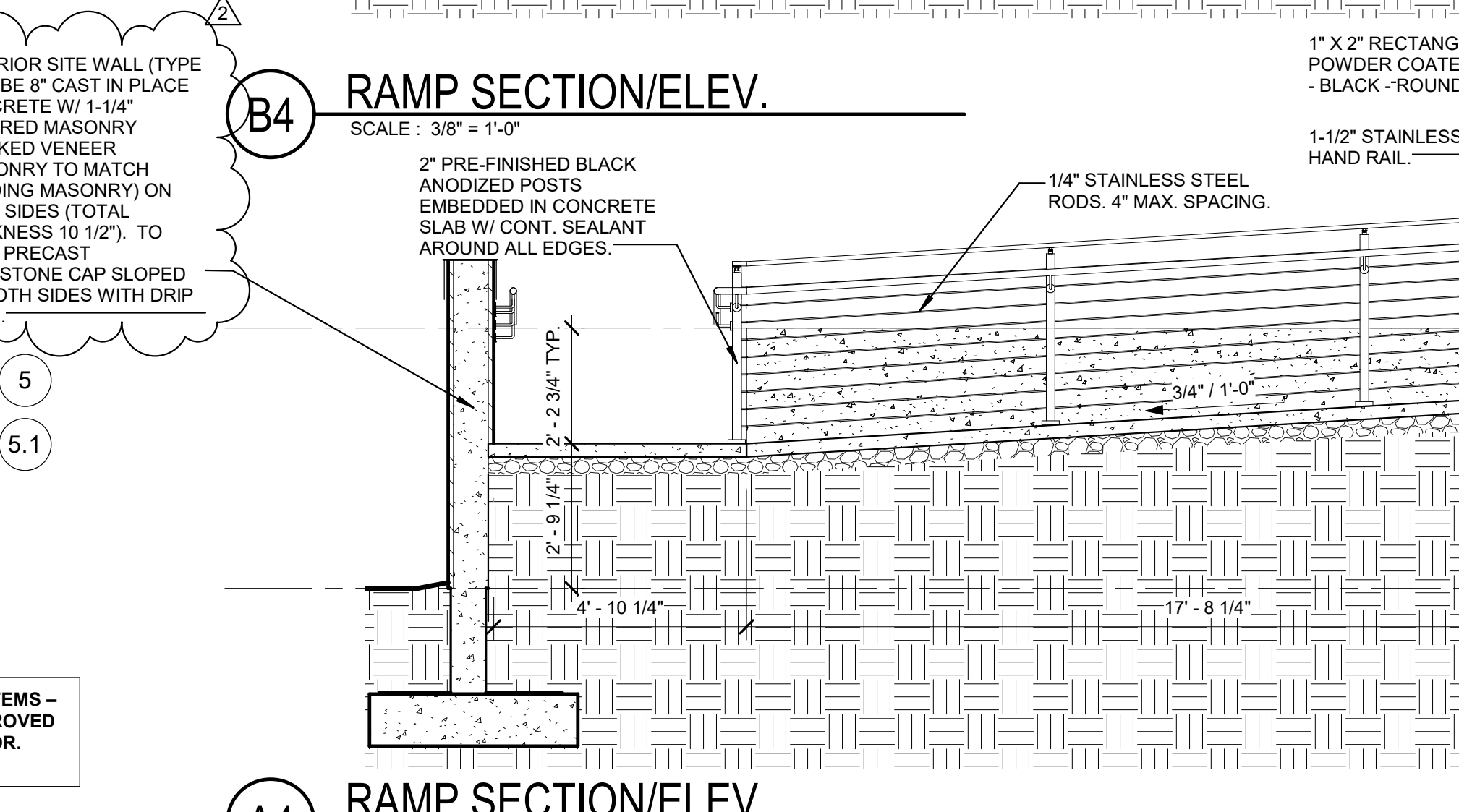
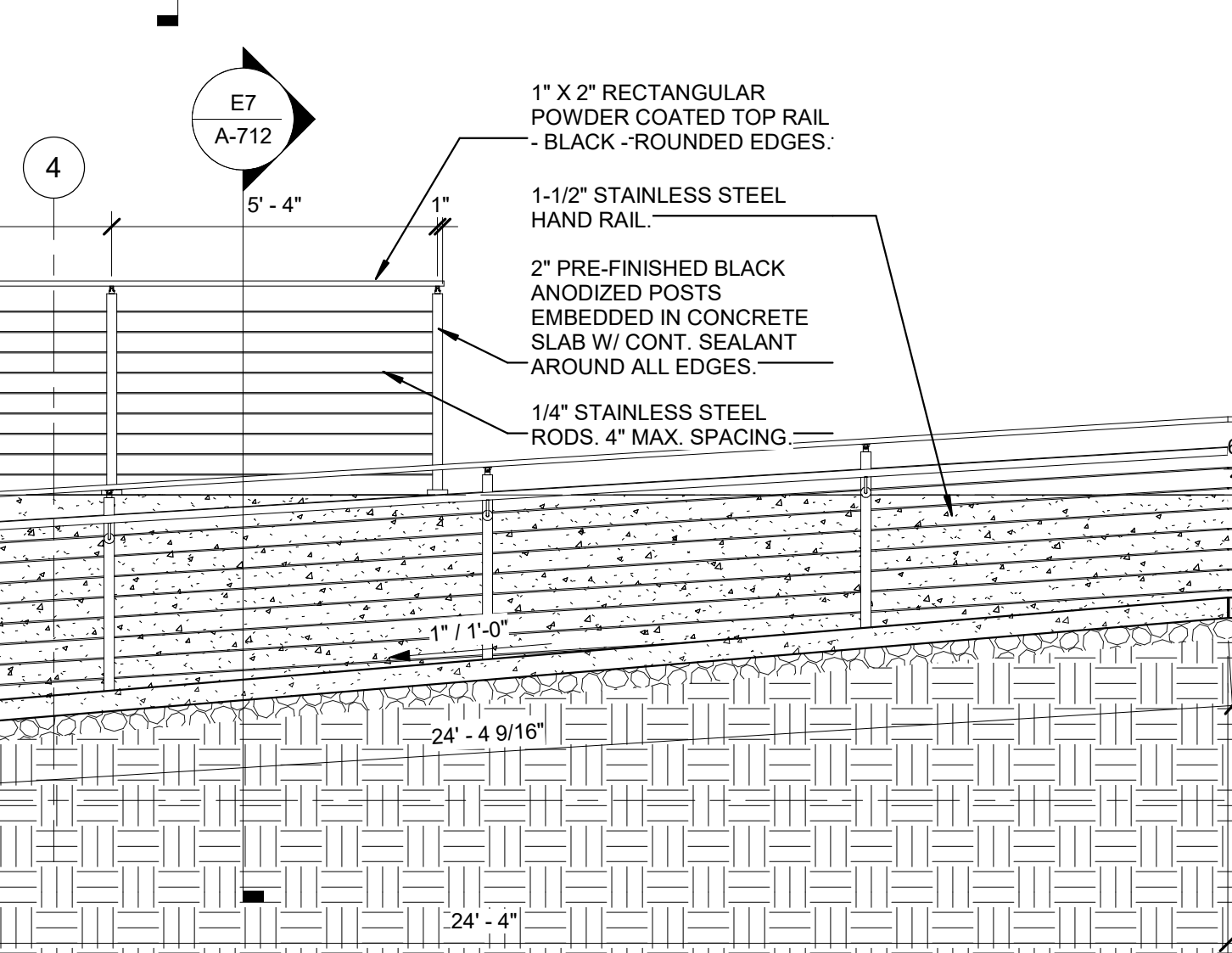
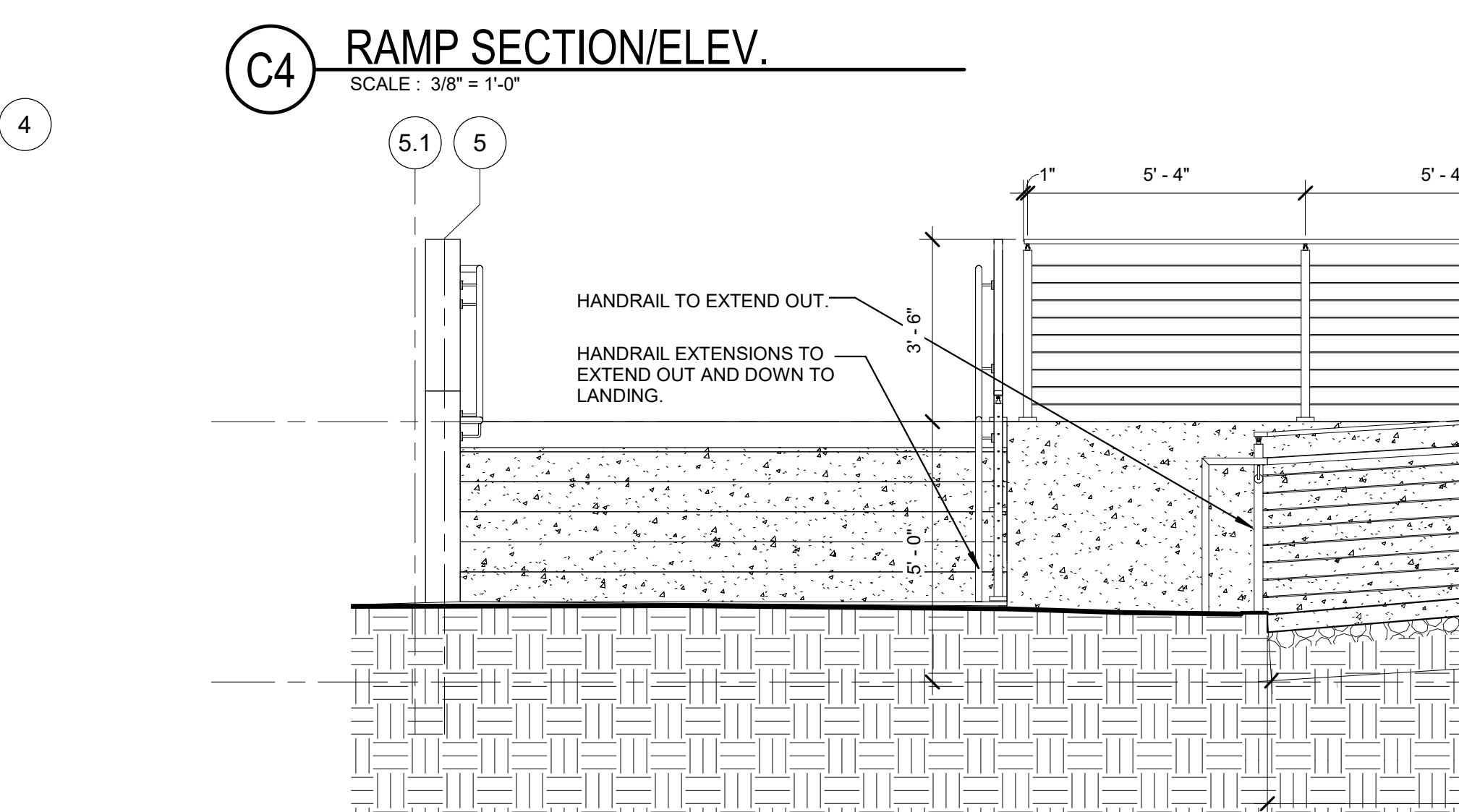
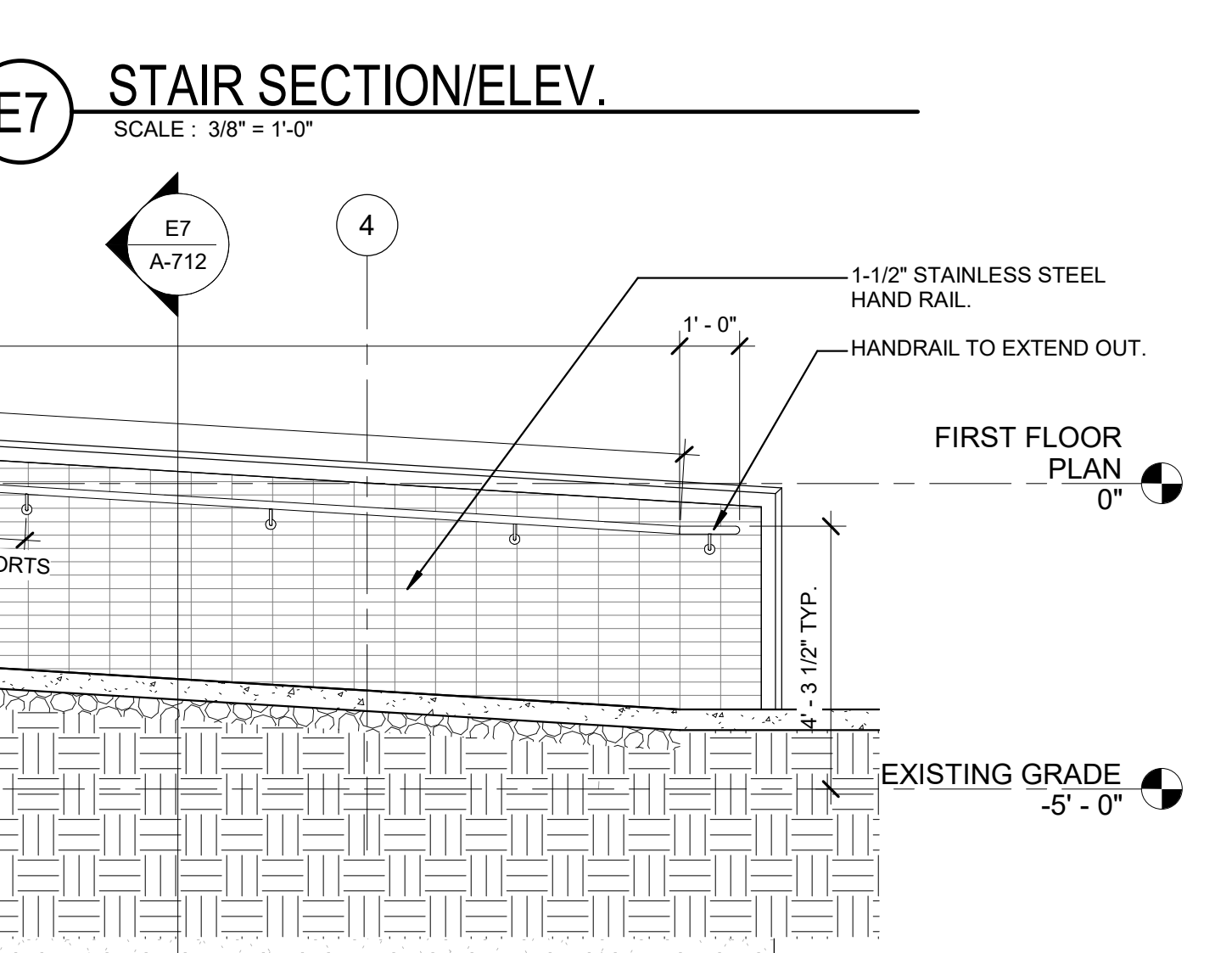
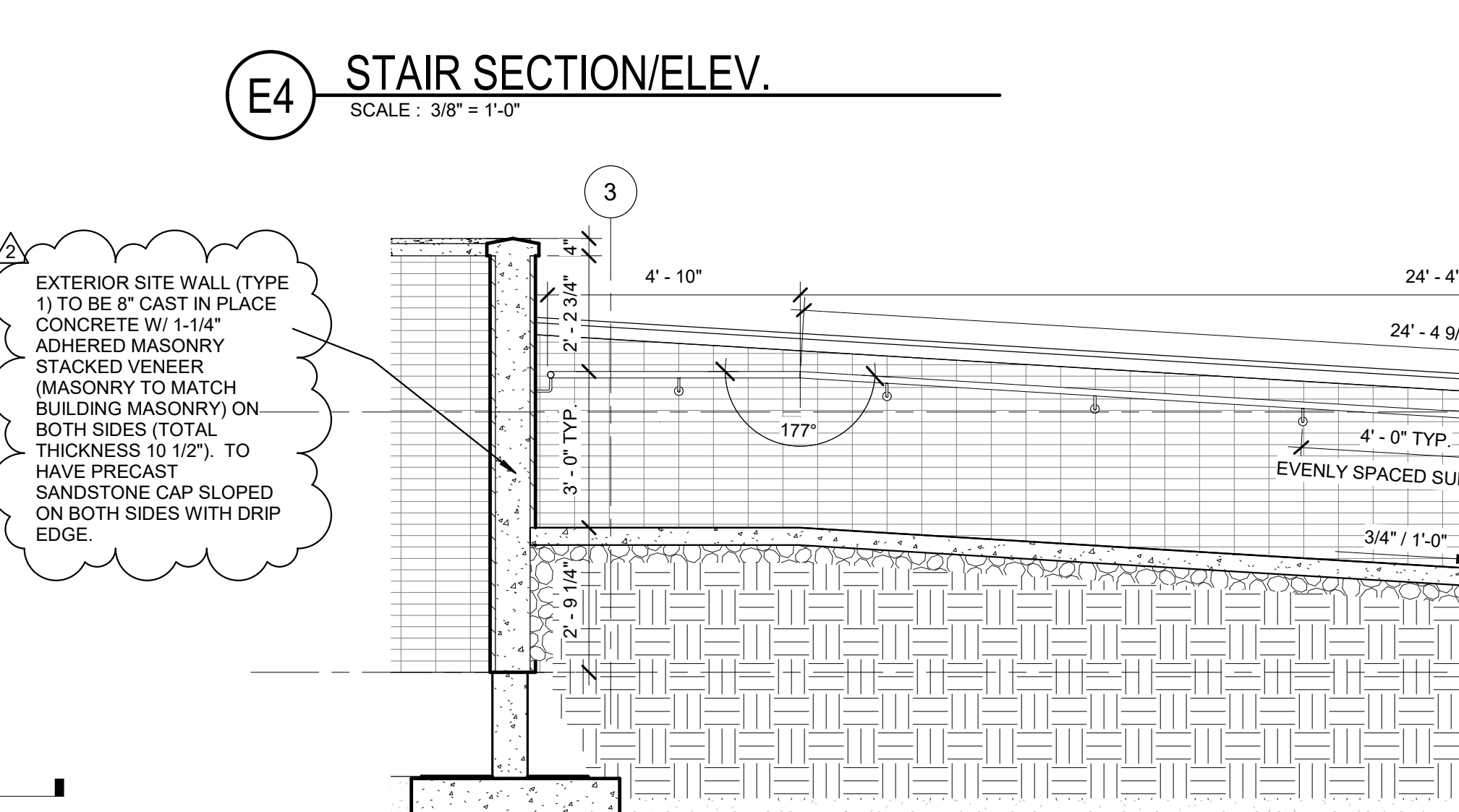
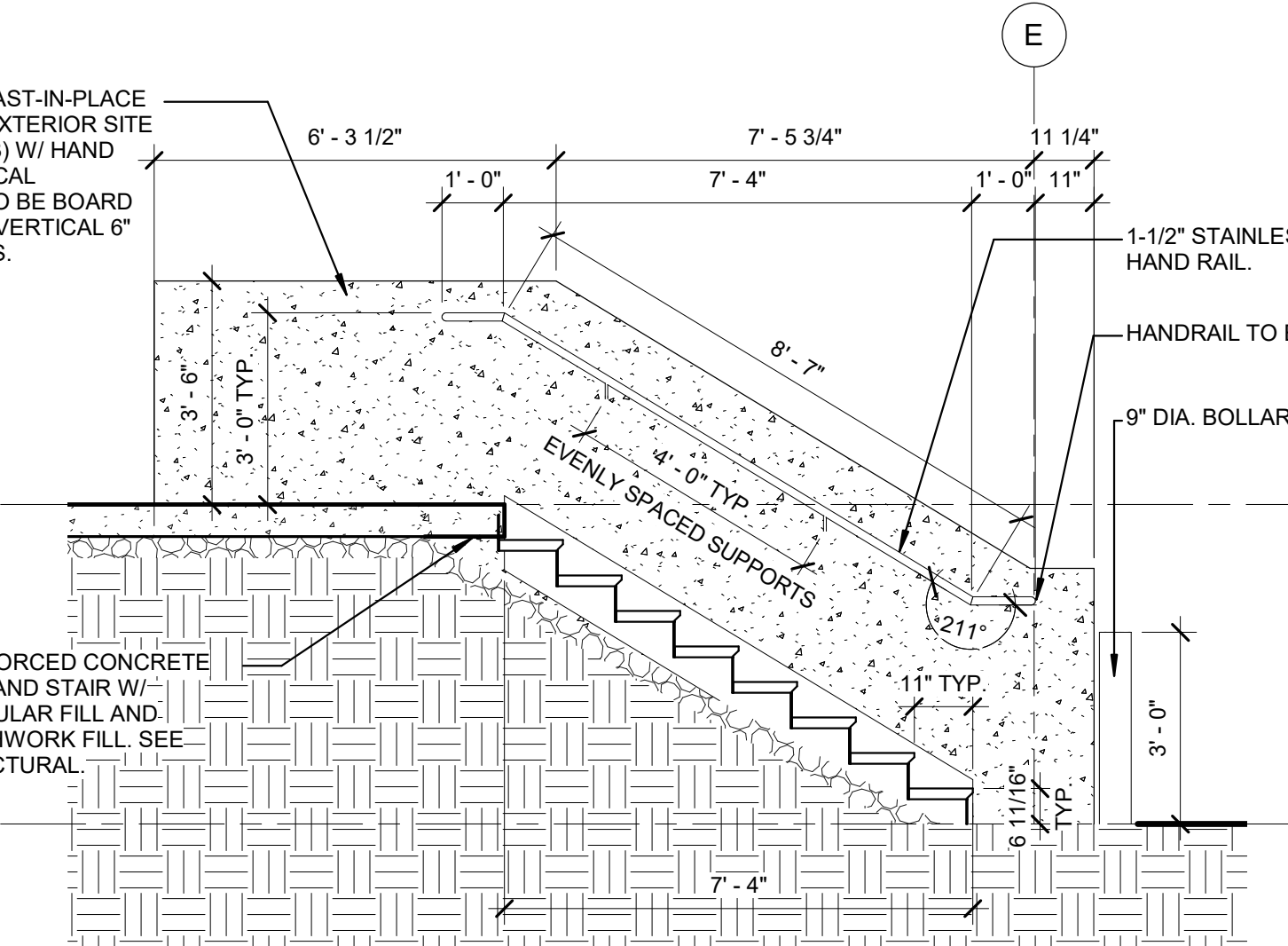
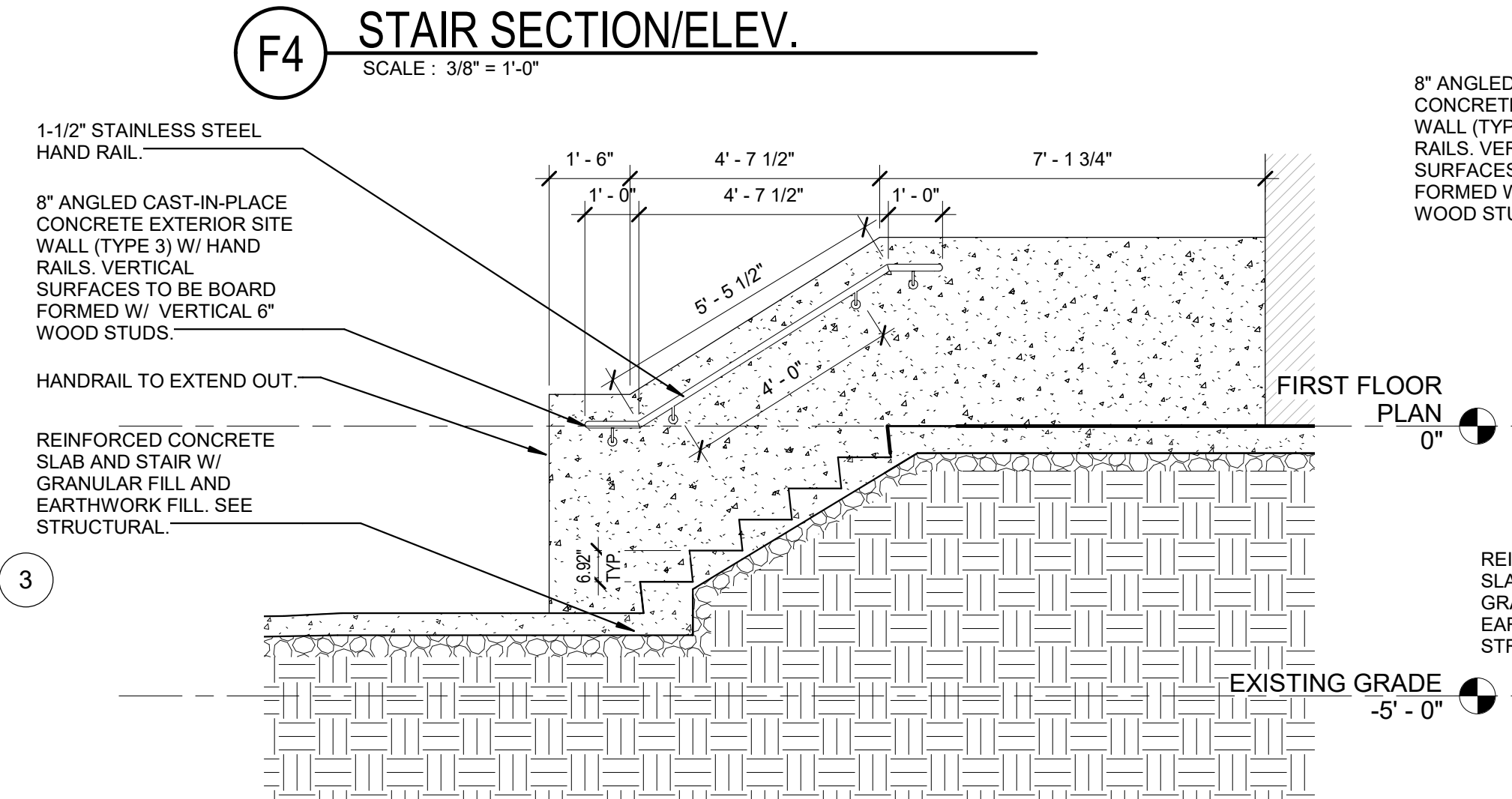
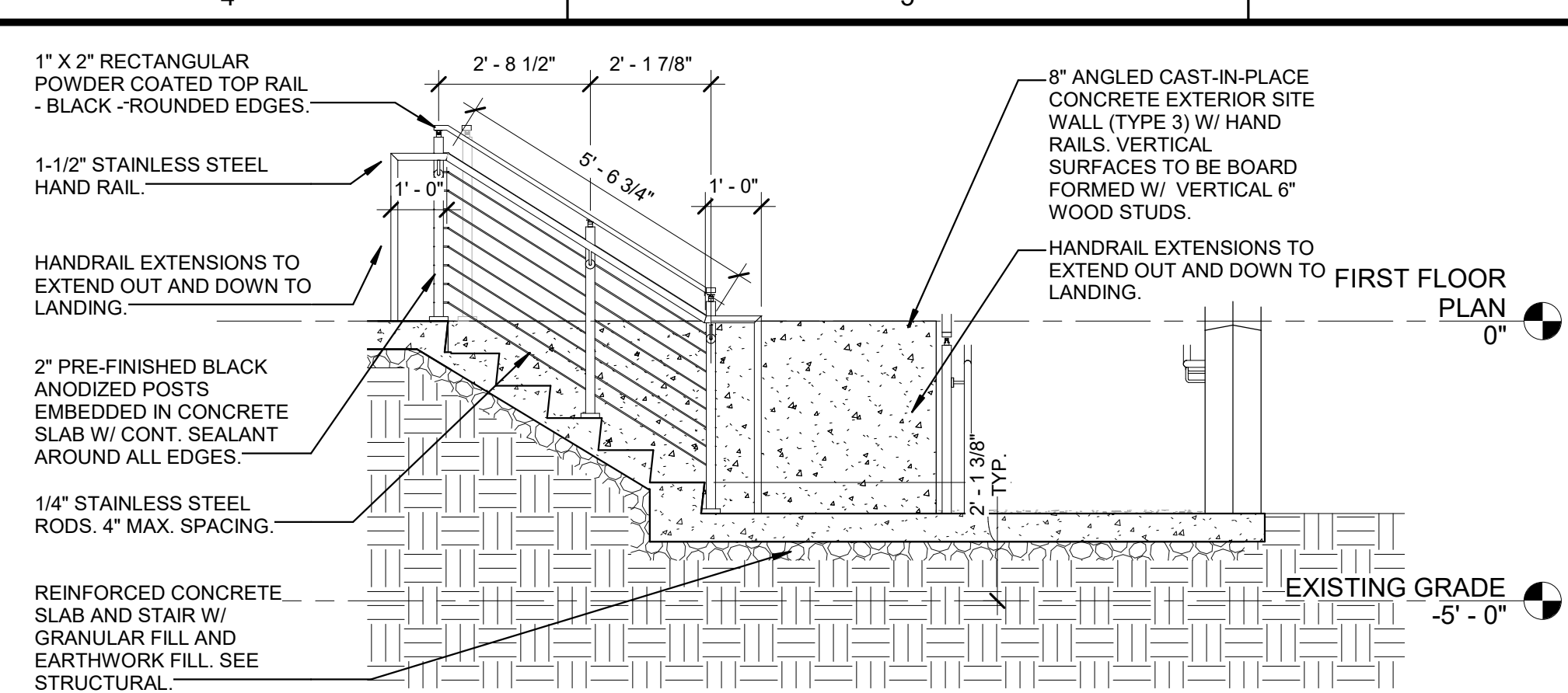
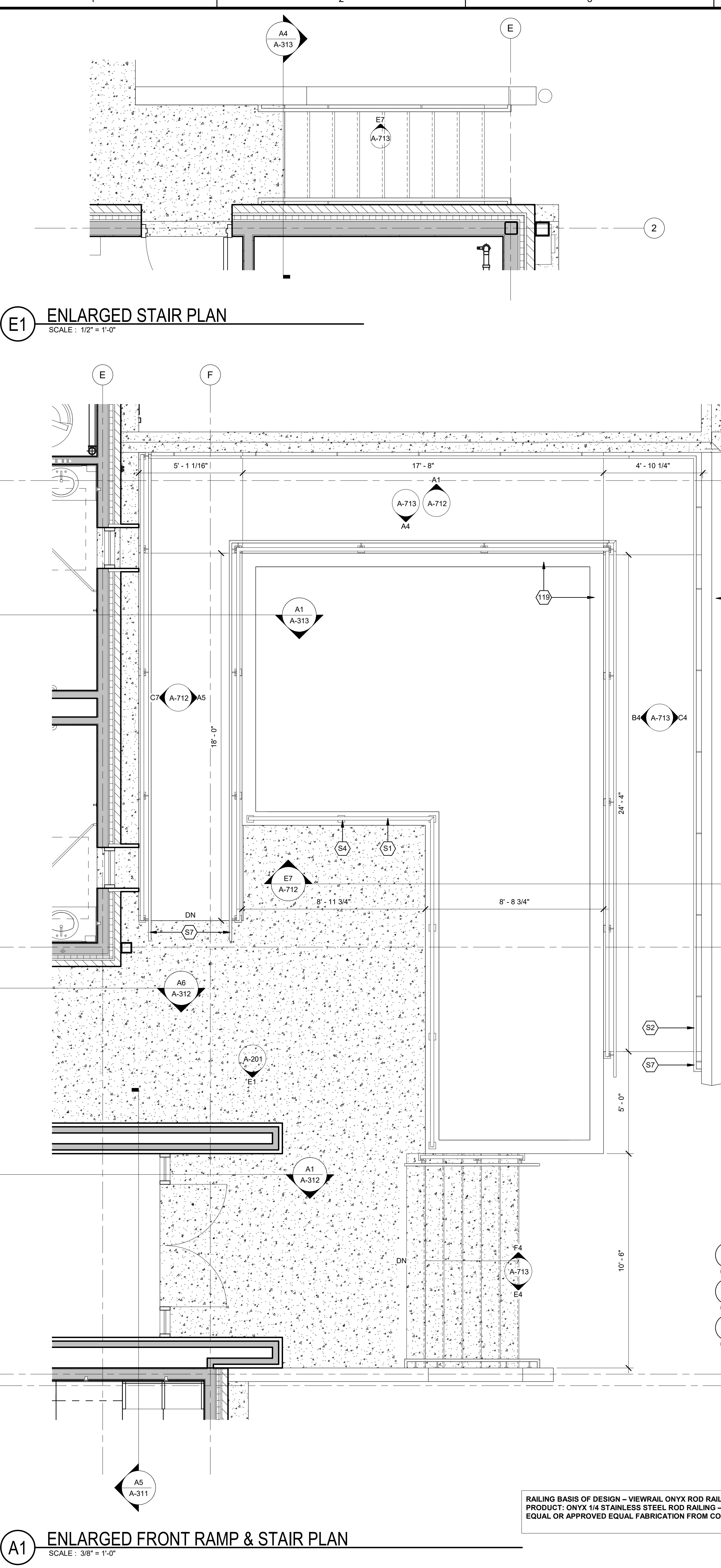
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SECTION

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A-713 ENLARGED STAIR & RAMP PLANS & SECTIONS



- GENERAL SHEET NOTES:**
- A. ALL DIMENSIONS ARE FACE OF MASONRY, POURED CONCRETE.
  - B. ALL EXTERIOR CONCRETE SLABS TO HAVE MULTIPLE HARDENER TREATMENTS AND HAVE A BROOM FINISH. CONCRETE SLAB CONTROL JOINTS EVERY 10'-0" O.C. SEE STRUCTURAL. GRANULAR FILL BELOW SLABS.
  - C. MASONRY CONTROL JOINTS NOT TO EXCEED 25'-4".
  - D. RAILING BASIS OF DESIGN - VIEWRAIL ONYX ROD RAILING SYSTEMS - PRODUCT: ONYX 1/4 STAINLESS STEEL ROD RAILING - OR APPROVED EQUAL OR APPROVED EQUAL FABRICATION FROM CONTRACTOR.
  - E. ALL EXTERIOR SITE WALL FOUNDATION STEM WALLS TO HAVE WATERPROOFING MEMBRANE, GRANULAR FILL, AND PERFORATED DRAIN ON BOTH SIDES.
- SHEET KEYNOTES:**
- 113 9" DIA. BOLLARD
  - 119 8" ANGLED CAST-IN-PLACE CONCRETE EXTERIOR SITE WALL (TYPE 3) W/ HAND RAILS. VERTICAL SURFACES TO BE BOARD FORMED W/ VERTICAL 6" WOOD STUDS.
  - 120 EXTERIOR SITE WALL (TYPE 1) TO BE 8" CAST IN PLACE CONCRETE W/ 1-1/4" ADHERED MASONRY STACKED VENEER MASONRY TO MATCH BUILDING MASONRY ON BOTH SIDES (TOTAL THICKNESS 10 1/2"). TO HAVE PRECAST SANDSTONE CAP SLOPED ON BOTH SIDES WITH DRIP EDGE.
  - S1 1" X 2" RECTANGULAR POWDER COATED TOP RAIL - BLACK - ROUNDED EDGES.
  - S2 1-1/2" STAINLESS STEEL HAND RAIL.
  - S3 HANDRAIL EXTENSIONS TO EXTEND OUT AND DOWN TO LANDING.
  - S4 2" PRE-FINISHED BLACK ANODIZED POSTS EMBEDDED IN CONCRETE SLAB W/ CONT. SEALANT AROUND ALL EDGES.
  - S5 1/4" STAINLESS STEEL RODS. 4" MAX. SPACING.
  - S6 REINFORCED CONCRETE SLAB AND STAIR W/ GRANULAR FILL AND EARTHWORK FILL. SEE STRUCTURAL.
  - S7 HANDRAIL TO EXTEND OUT.

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**ISSUED FOR REBID**

**ENLARGED STAIR & RAMP PLANS & SECTIONS**

**A-713**

## SECTION 07 21 00 - THERMAL INSULATION

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section Includes:
  - 1. Foam-plastic board insulation.
- B. Related Sections:
  - 1. Division 07 Section "Foamed-in-Place Insulation" for spray-foam applied insulation.

#### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Document the following for Spray Insulation and Air Barrier.
  - 1. Provide evidence from primary materials manufacturer indicating approval of products not manufactured by primary manufacturer.
  - 2. Provide evidence that materials are compatible with adjacent materials proposed for use.
  - 3. Provide evidence indicating that field peel-adhesion test on all materials to which sealants are adhered have been performed and the changes made, if required, to other approved materials, in order to achieve successful adhesion.
  - 4. Provide evidence from manufacturer stating that materials proposed for use are permanently chemically compatible and adhesively compatible with adjacent materials proposed for use. Submit letter from manufacturer stating that cleaning materials used during installation are chemically compatible with adjacent materials proposed for use.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each product.
- B. Research/Evaluation Reports: For foam-plastic insulation, from ICC-ES.

#### 1.5 QUALITY ASSURANCE

- A. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E 84 by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

#### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Protect foam-plastic board insulation as follows:



1. Protect insulation materials from physical damage and from deterioration due to moisture, soiling, and other sources. Store inside and in a dry location. Comply with manufacturer's written instructions for handling, storing, and protecting during installation
2. Do not expose to sunlight except to necessary extent for period of installation and concealment.
3. Protect against ignition at all times. Do not deliver foam-plastic board materials to Project site before installation time.
4. Quickly complete installation and concealment of foam-plastic board insulation in each area of construction.

## 1.7 FIELD CONDITIONS

- A. A.Temperature: Install air barrier within range of ambient and substrate temperatures recommended by air barrier manufacturer. Do not apply air barrier to a damp or wet substrate.
- B. B.Field Conditions: Do not install air barrier in snow, rain, fog, or mist. Do not install air barrier when the temperature of substrate surfaces and surrounding air temperatures are below those recommended by the manufacturer.

## PART 2 - PRODUCTS

### 2.1 FOAM-PLASTIC BOARD INSULATION

- A. Extruded-Polystyrene Board Insulation: ASTM C 578, of type and minimum compressive strength indicated below, with maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, per ASTM E 84.
  1. Type V, VI, or VII.
  2. Minimum R-10.
- B. Adhesive for Bonding Insulation: Product with demonstrated capability to bond insulation securely to substrates without damaging insulation and substrates.

### 2.2 BATT INSULATION MATERIALS

- A. Glass Fiber Batt Insulation: Flexible preformed batt or blanket, complying with ASTM C665; friction fit
  1. Flame Spread Index: 25 or less, when tested in accordance with ASTM E84.
  2. Smoke Developed Index: 50 or less, when tested in accordance with ASTM E84
  3. Combustibility: Non-combustible, when tested in accordance with ASTM E136, except for facing if any
  4. Formaldehyde Content: Zero.
  5. Thermal Resistance: minimum R-21 at exterior walls / for all other walls provide manufacturer recommendation
  6. Thickness: Full thickness of framing or cavity space indicated, unless otherwise specifically noted on Drawings.
  7. Facing: Provide foil-scrim-kraft faced one side; flame spread/smoke development rating 25/50 or less; approved for exposed applications where required by applicable building code.
  8. Acceptable Manufacturers:
    - a. CertainTeed Corporation: [www.certainteed.com](http://www.certainteed.com).
    - b. Johns Manville: [www.jm.com](http://www.jm.com).
    - c. Owens Corning Corporation: [www.ocbuildingspec.com/#sle](http://www.ocbuildingspec.com/#sle).
    - d. Substitutions: See Section 01 6000 - Product Requirements."

## PART 3 - EXECUTION

### 3.1 PREPARATION

- A. Verify that substrates are clean, dry, and free of substances that are harmful to insulation.
- B. Priming: Prime substrates where recommended by insulation manufacturer. Apply primer to comply with insulation manufacturer's written instructions. Confine primers to areas to be insulated; do not allow spillage or migration onto adjoining surfaces.

### 3.2 INSTALLATION, GENERAL

- A. Comply with insulation manufacturer's written instructions applicable to products and applications indicated.
- B. Install insulation that is undamaged, dry, and unsoiled and that has not been left exposed to ice, rain, or snow at any time.
- C. Extend insulation to envelop entire area to be insulated. Cut and fit tightly around obstructions and fill voids with insulation. Remove projections that interfere with placement.
- D. Provide sizes to fit applications indicated and selected from manufacturer's standard thicknesses, widths, and lengths. Apply single layer of insulation units to produce thickness indicated unless multiple layers are otherwise shown or required to make up total thickness.

### 3.3 INSTALLATION OF SLAB INSULATION

- A. On vertical slab edge and foundation surfaces, set insulation units using manufacturer's recommended adhesive according to manufacturer's written instructions.
- B. On horizontal surfaces, loosely lay insulation units according to manufacturer's written instructions. Stagger end joints and tightly abut insulation units.

### 3.4 PROTECTION AND CLEANING

- A. Protect installed insulation from damage due to harmful weather exposures, physical abuse, and other causes. Provide temporary coverings or enclosures where insulation is subject to abuse and cannot be concealed and protected by permanent construction immediately after installation.
  - 1. Coordinate with installation of materials which cover air barrier, to ensure exposure period does not exceed that recommended by the air barrier manufacturer.

END OF SECTION 07 21 00