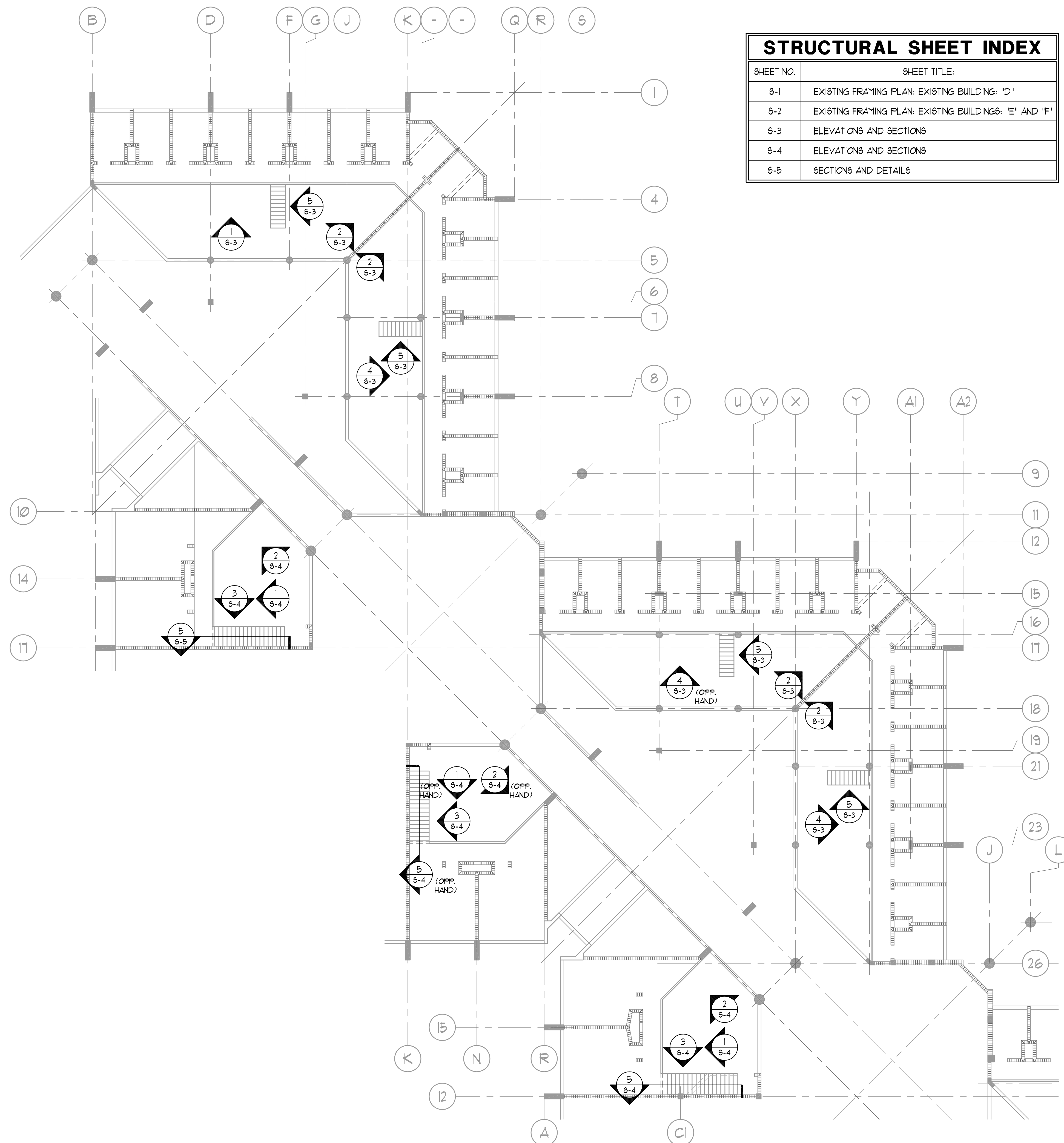


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STRUCTURAL SHEET INDEX	
SHEET NO.	SHEET TITLE:
S-1	EXISTING FRAMING PLAN: EXISTING BUILDING: "D"
S-2	EXISTING FRAMING PLAN: EXISTING BUILDINGS: "E" AND "F"
S-3	ELEVATIONS AND SECTIONS
S-4	ELEVATIONS AND SECTIONS
S-5	SECTIONS AND DETAILS

GENERAL

- A. PERFORM CONSTRUCTION AND WORKMANSHIP IN COMPLIANCE WITH CONTRACT DOCUMENTS AND THE FLORIDA BUILDING CODE 2010.
- B. THE CONTRACTOR SHALL COMPARE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND WITH THE EXISTING AS BUILT CONDITION AND REPORT ANY DISCREPANCY TO THE ARCHITECT AND ENGINEER PRIOR TO THE FABRICATION AND INSTALLATION OF ANY STRUCTURAL MEMBERS.
- C. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, SAFETY, TECHNIQUES, SEQUENCES, PROCEDURES OF CONSTRUCTION AND TO COMPLY WITH OSHA REGULATIONS.
- D. PIPE SHALL CONFORM TO ASTM A53 (TYPES E OR S), GRADE B OR ASTM A501
- E. ANY OTHER STEEL NOT INDICATED OTHERWISE SHALL CONFORM TO ASTM A36
- F. FABRICATE AND ASSEMBLE STEEL STRUCTURAL ASSEMBLIES IN SHOP TO GREATEST EXTENT POSSIBLE
- G. THE DESIGN OF ALL TEMPORARY SHORING AND BRACING NOT SHOWN ON THE DRAWING SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TEMPORARY SHORING AND BRACING IS TO BE DESIGNED BY A FLORIDA PROFESSIONAL ENGINEER
- H. STRUCTURAL STEEL SHOP DRAWINGS SHALL SHOW ALL WELDING WITH AWS A2.4 SYMBOLS. ALL WELDING SHALL BE DONE BY AWS CERTIFIED WELDERS AND IN ACCORDANCE WITH AWS D11. WELDS SHOWN IN THE DRAWINGS ARE THE MINIMUM SIZES. INCREASE WELD SIZE TO AWS MINIMUM SIZES, BASED ON PLATE THICKNESS. THE MINIMUM WELD SIZE SHALL BE 3/16 INCH. FIELD WELDING SYMBOLS HAVE NOT NECESSARILY BEEN INDICATED ON THE DRAWINGS. WHERE SHOWN, PROPER FIELD WELDING PER AWS D11 SHALL BE USED. WHERE NO FIELD WELDING SYMBOLS ARE SHOWN, IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE USE OF SHOP AND FIELD WELDS
- I. ALL BOLTS IN STRUCTURAL CONNECTIONS SHALL CONFORM TO ASTM A325 TYPE 1, HIGH STRENGTH BOLTS FOR STRUCTURAL STEEL JOINTS UNLESS NOTED OTHERWISE ON THE DRAWINGS. A325 THREADED ROD CAN BE USED FOR THRU BOLTS.

SHOP DRAWINGS

- A. ALL SHOP DRAWINGS SHALL BE REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR FOR THE ACTUAL AS BUILT EXISTING FIELD CONDITION AND DIMENSIONS PRIOR TO SUBMITTAL. ALL SUBMITTAL SHALL BE PROVIDED FOR THE ENGINEER REVIEW A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION OR REQUIRED DELIVERY OF MATERIALS. THE ENGINEER SHALL BE PROVIDED A MINIMUM OF (10) BUSINESS DAY TO REVIEW SUBMITTALS. THE CONTRACTOR SHALL MAKE NO CLAIMS FOR DELAY FOR SUBMITTALS NOT PROVIDED IN ACCORDANCE WITH THIS REQUIRED REVIEW PERIOD OR NOT OTHERWISE SUBMITTED IN A TIMELY MANNER.
- B. THE CONTRACTOR IS TO REVIEW EACH SUBMITTAL PRIOR TO FORWARDING TO ARCHITECT AND STRUCTURAL ENGINEER. THE CONTRACTOR IS TO STAMP EACH SUBMITTAL.
- C. DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE ENGINEER OF RECORD, THEREFORE THEY SHALL BE VERIFIED BY THE CONTRACTOR.

QUANTITY OF RAILING EXTENSION

- A. THE SCOPE OF WORK FOR RAILING EXTENSION AND THE APPROXIMATE QUANTITY OF RAILING EXTENSION PLUS STAIRS RAILING EXTENSION ARE SHOWN BELOW FOR BIDDING PURPOSE ONLY. THE CONTRACTOR SHALL ALSO PROVIDE A COMPLETE UNIT COST PER LINER FOOT OF RAILING EXTENSION INCLUDING ANCHORING. THE SUCCESSFUL CONTRACTOR SHALL SURVEY THE FIELD AND CREATE THE SHOP DRAWINGS BASED ON THE ACTUAL AS BUILT EXISTING FIELD CONDITIONS AND DIMENSIONS, THE RAILING EXTENSION SHALL MATCH THE EXISTING RAILING.

BUILDING "D"

TWO HILL TYPE "A" CELL BLOCKS 63' EACH PLUS STAIRS EXTENSION
TWO HILL TYPE "B" CELL BLOCKS 58' EACH PLUS STAIRS EXTENSION
EIGHT 4x4 CELL BLOCKS 21' EACH PLUS STAIRS EXTENSION

BUILDING "E"

TWO HILL TYPE CELL BLOCKS 92' EACH PLUS STAIRS HAIR PIN EXTENSION
EIGHT 4x4 CELL BLOCKS 21' EACH PLUS STAIRS HAIR PIN EXTENSION

BUILDING "F"

TWO HILL TYPE CELL BLOCKS 92' EACH PLUS STAIRS HAIR PIN EXTENSION
EIGHT 4x4 CELL BLOCKS 21' EACH PLUS STAIRS HAIR PIN EXTENSION

SIZE OF EXISTING RAILING AND NEW RAILING EXTENSION

PER THE EXISTING DRAWINGS THE EXISTING RAILINGS ARE CALLED OUT TO BE 2" DIAMETER PIPE. IT IS POSSIBLE THAT IN SOME BUILDINGS 1 1/2" DIAMETER RAILING IS USED. THE CONTRACTOR SHALL PROVIDE PRICING FOR BOTH 2" DIAMETER SCHEDULE 40 RAILING AND 1 1/2" DIAMETER SCHEDULE 40 RAILING. THE SUCCESSFUL CONTRACTOR SHALL VERIFY THE DIAMETER OF THE EXISTING RAILING IN EACH BUILDING AND PROVIDE THE NEW SCHEDULE 40 RAILING TO MATCH THE DIAMETER OF THE EXISTING RAILING TYPICAL.

1
 1/32" = 1'-0"
EXISTING FRAMING PLAN
 EXISTING BUILDING: "D"



**Corrections Bldgs
D, E, & F
Guardrail Modifications**

Owner
Board of County Commissioners
201 South Rosalind Avenue
Orlando, FL 32801

Architect



C.T. HSU + ASSOCIATES, P.A.
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Seal/Signatures
Consultants



To the best of the engineer's knowledge, the plans and specifications comply with the Florida Building Code 2010
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Phone: 407-677-5636 - Fax: 407-677-5684
Florida Engineering Business Number: 25663
Jameel Hakimian P.E. Florida No. 46013

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**EXISTING FRAMING PLAN
BUILDING: "D"**

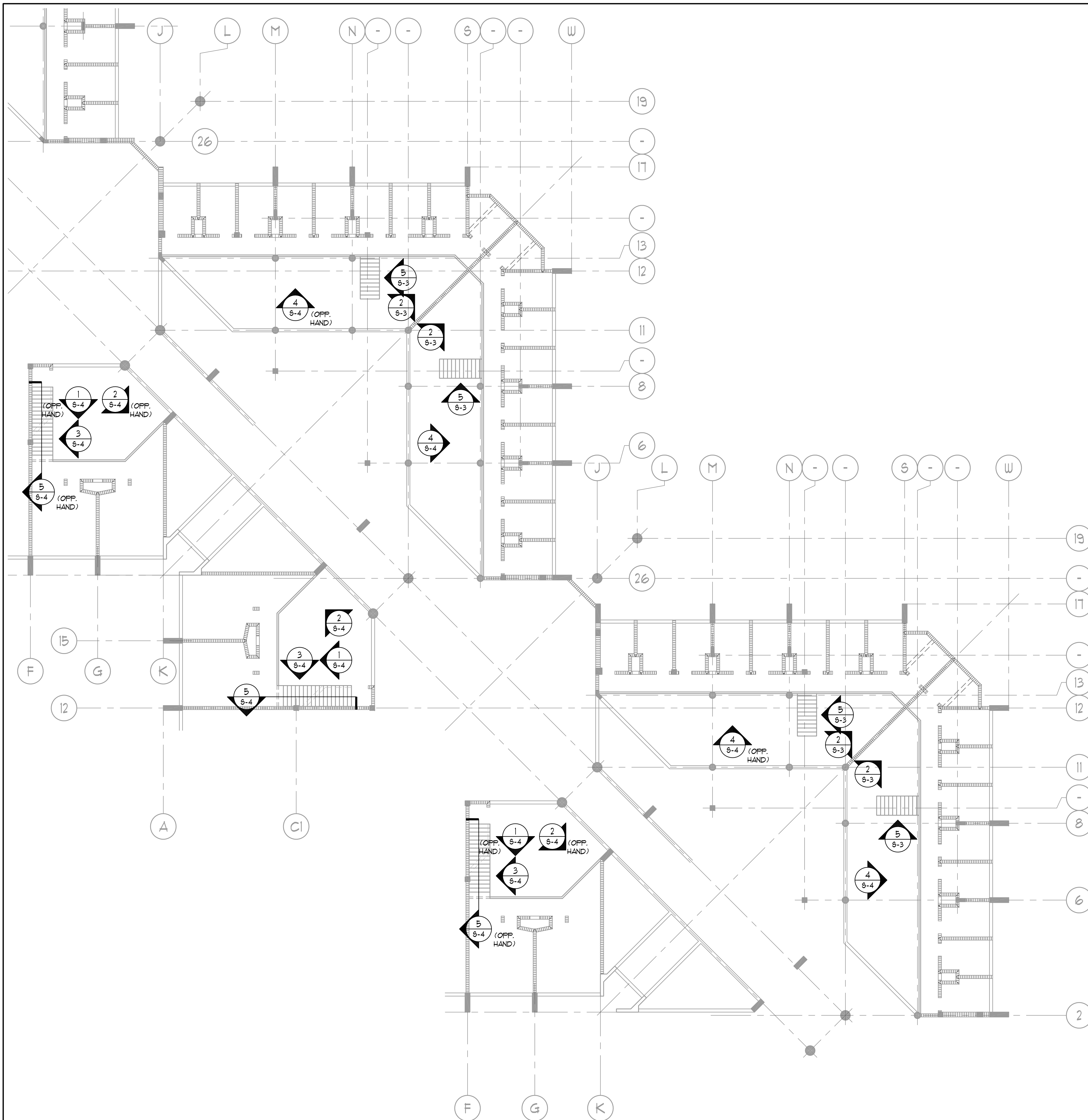
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S-1

Sheet No.

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1
EXISTING FRAMING PLAN
 1/32" = 1'-0"
 EXISTING BUILDINGS: 'E' AND 'F'



**Corrections Bldgs
 D, E, & F
 Guardrail Modifications**

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**EXISTING FRAMING PLAN
 BUILDINGS: 'E' AND 'F'**

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S-2
 Sheet No.

**Corrections Bldgs
D, E, & F
Guardrail Modifications**

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Jamshid Eskandari P.E. Florida No. 46013

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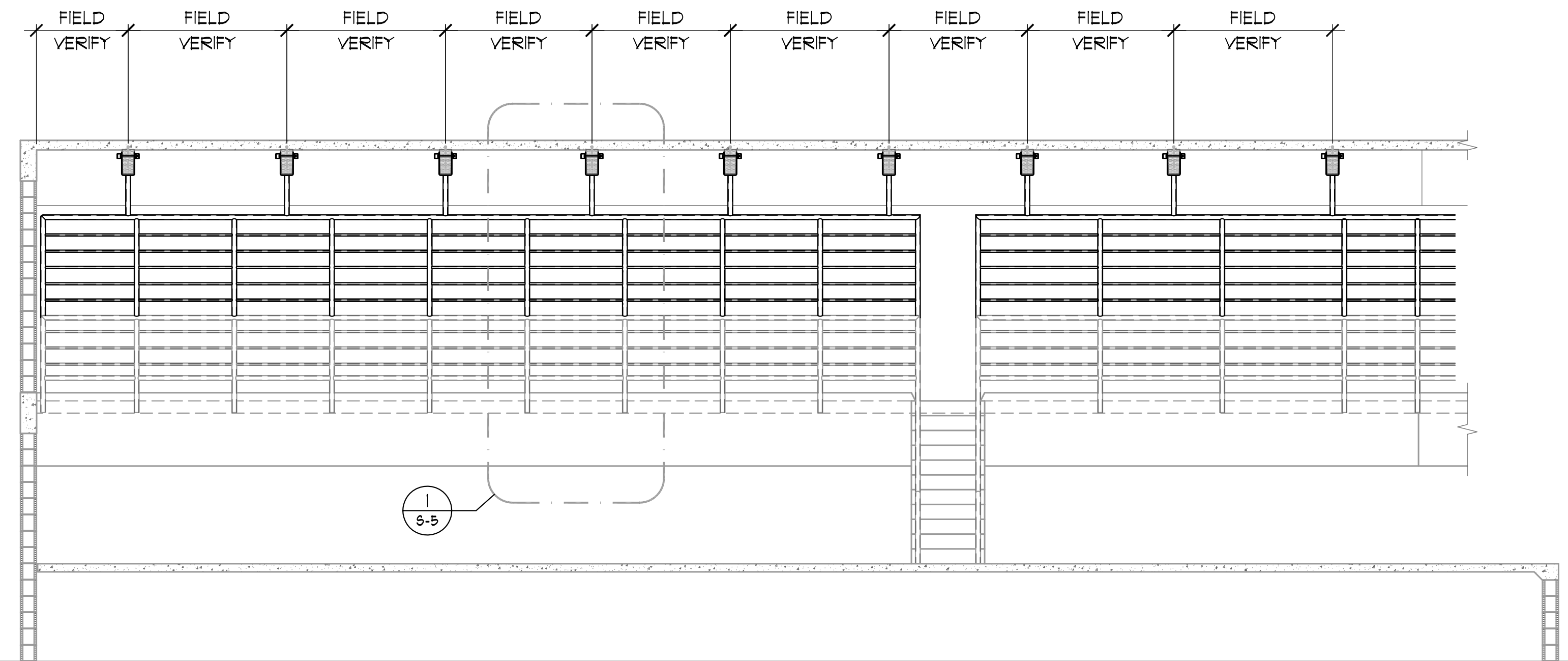
ELEVATIONS AND SECTIONS

Sheet Title

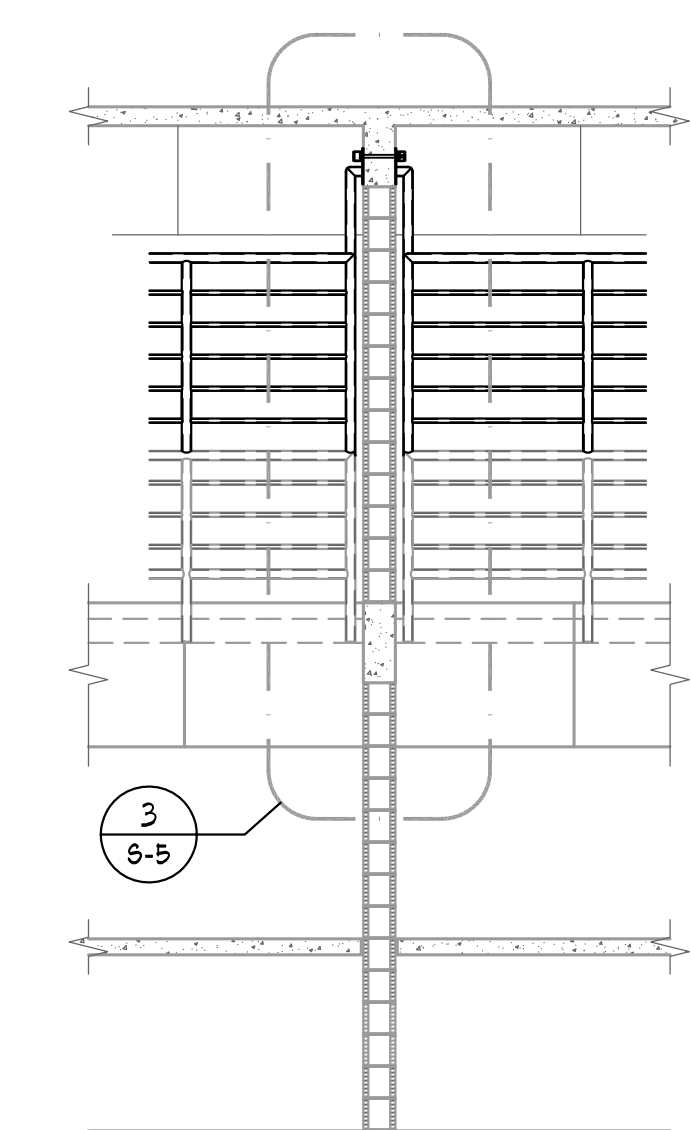
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S-3

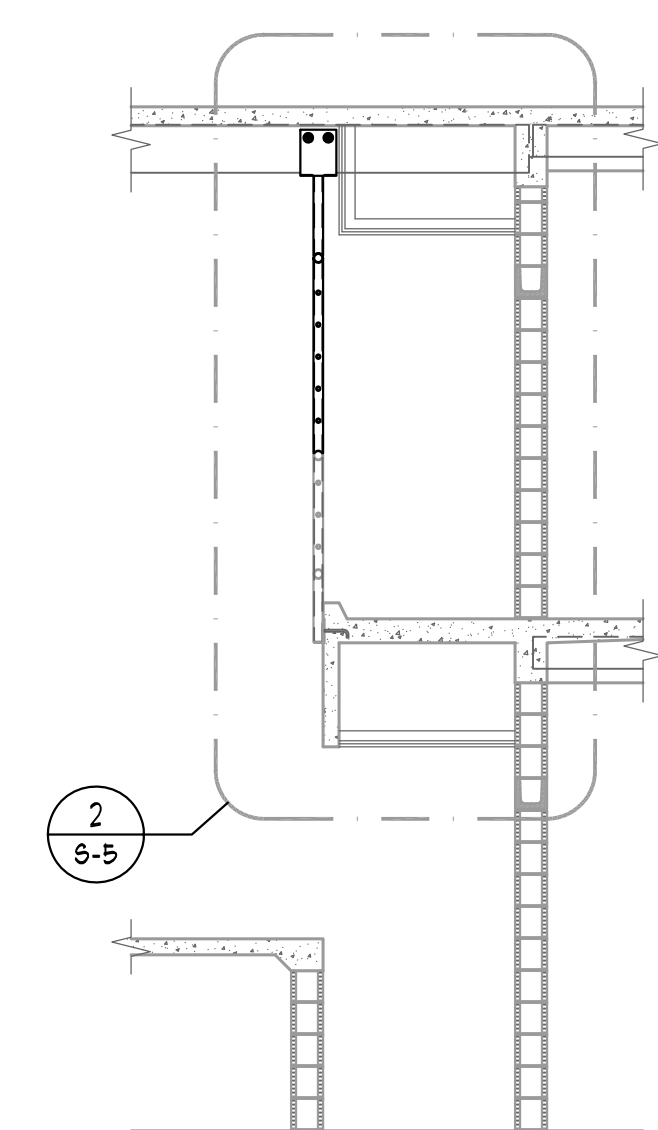
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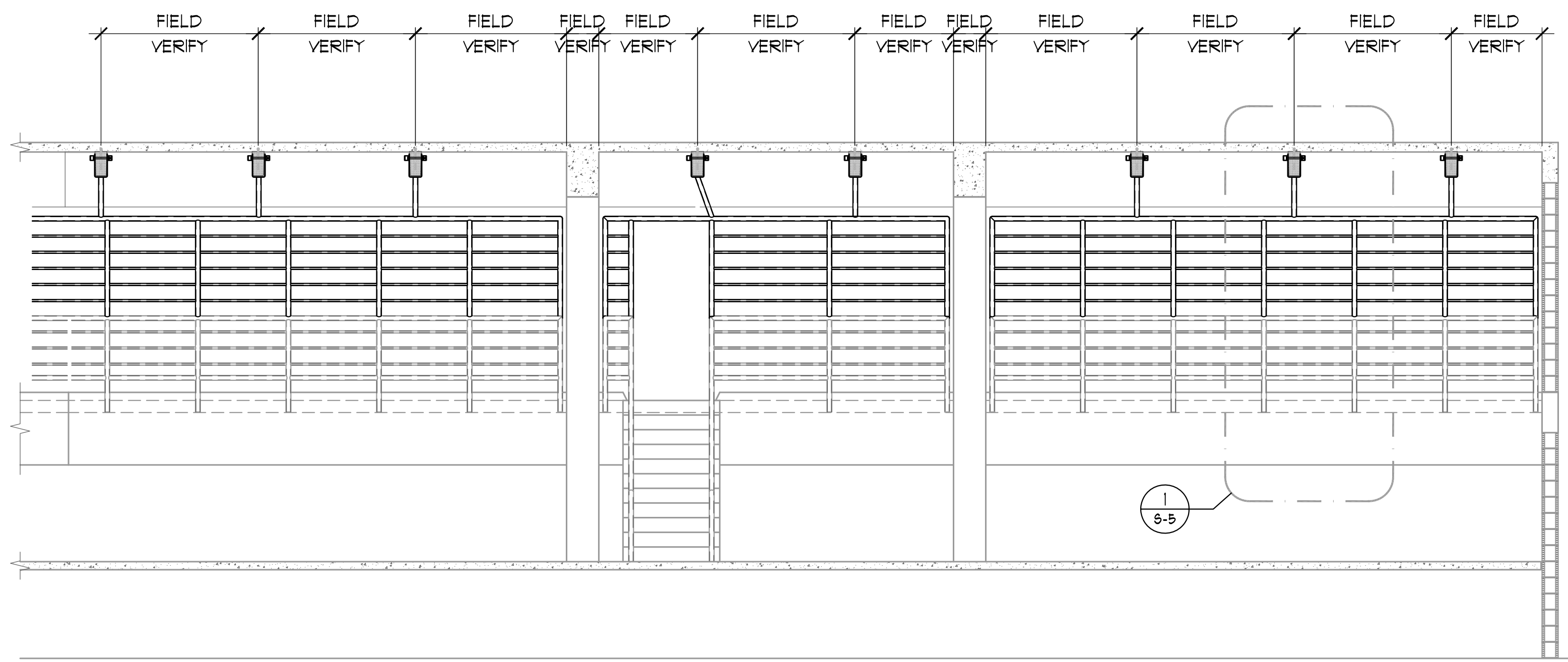
1
ELEVATION - BUILDINGS 'D' AND 'F' ('F' OPPOSITE HAND)
1/4" = 1'-0"



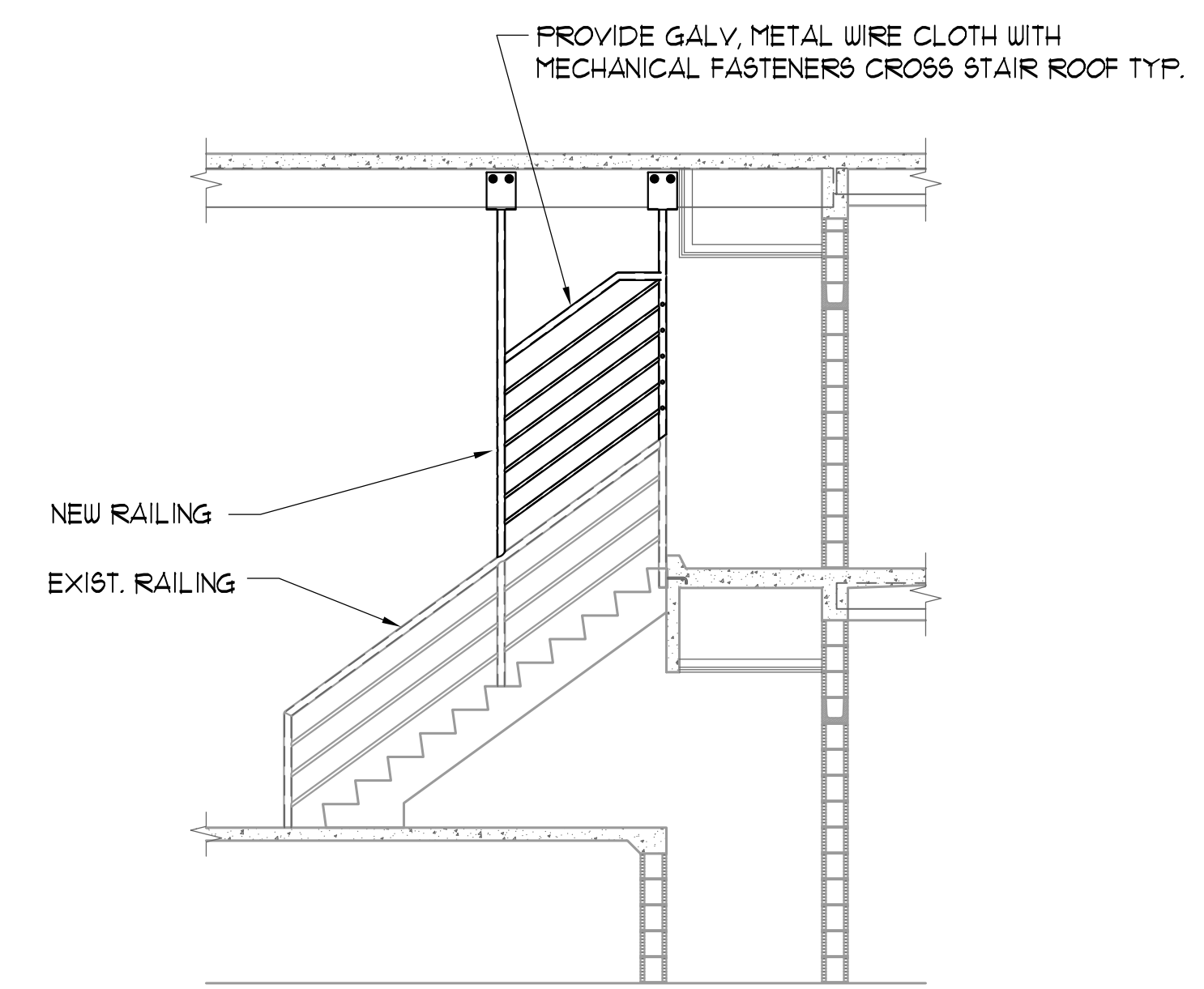
2
ELEVATION - BUILDINGS 'D', 'E' AND 'F'
1/4" = 1'-0"



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



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



5
SECTION - BUILDINGS 'D', 'E' AND 'F'
1/4" = 1'-0"

**Corrections Bldgs
D, E, & F
Guardrail Modifications**

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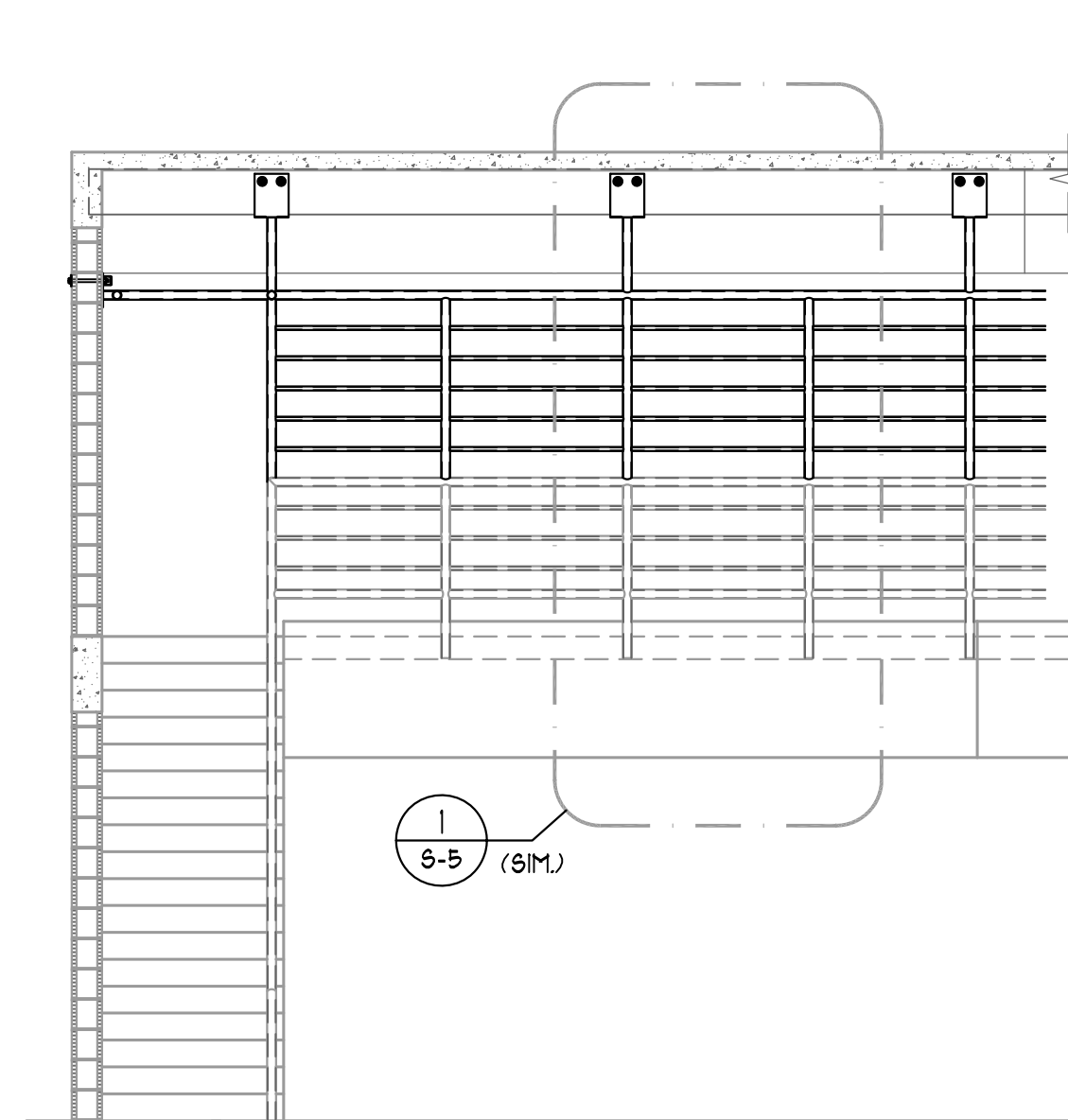
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ELEVATIONS AND SECTIONS

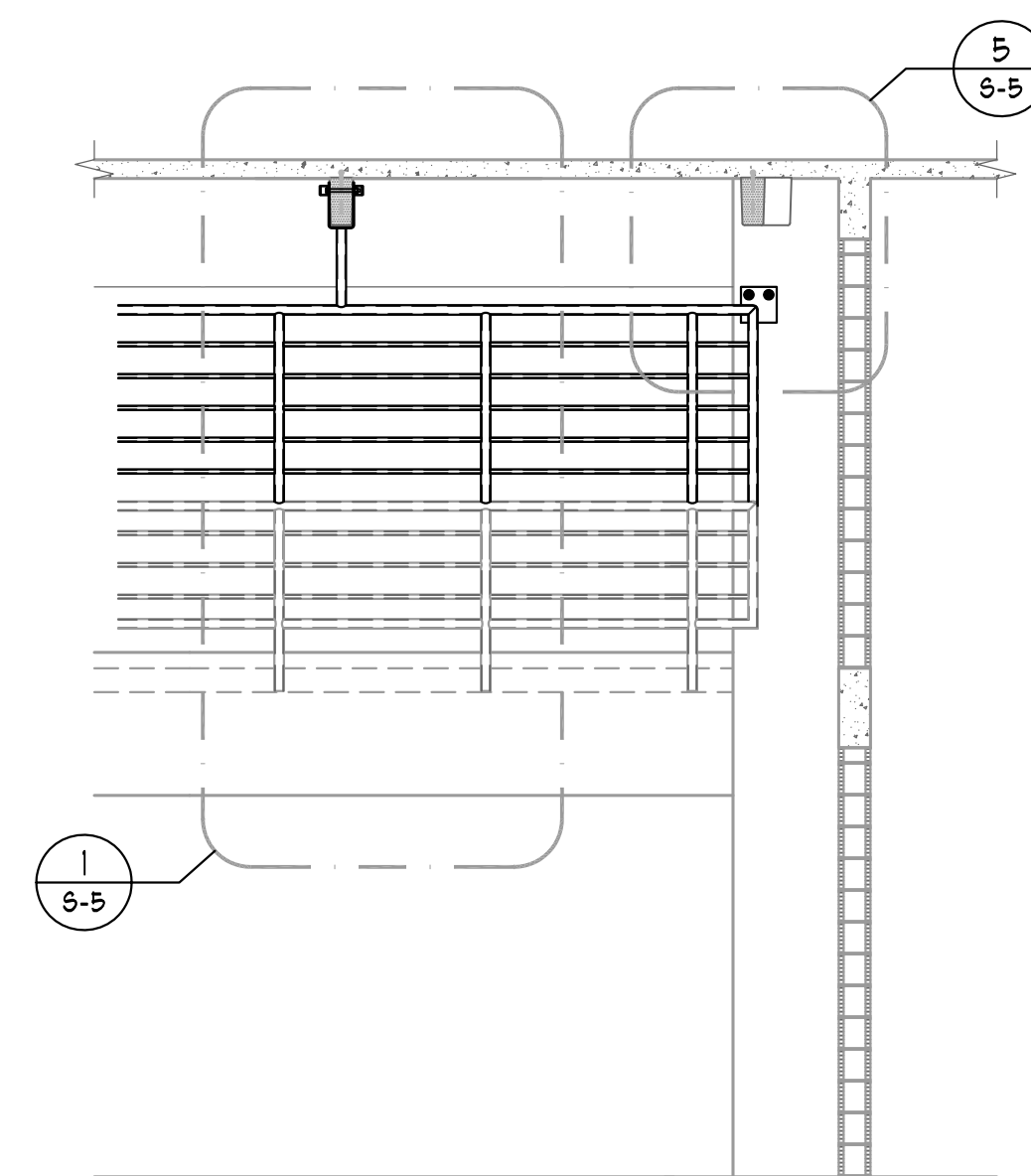
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S-4

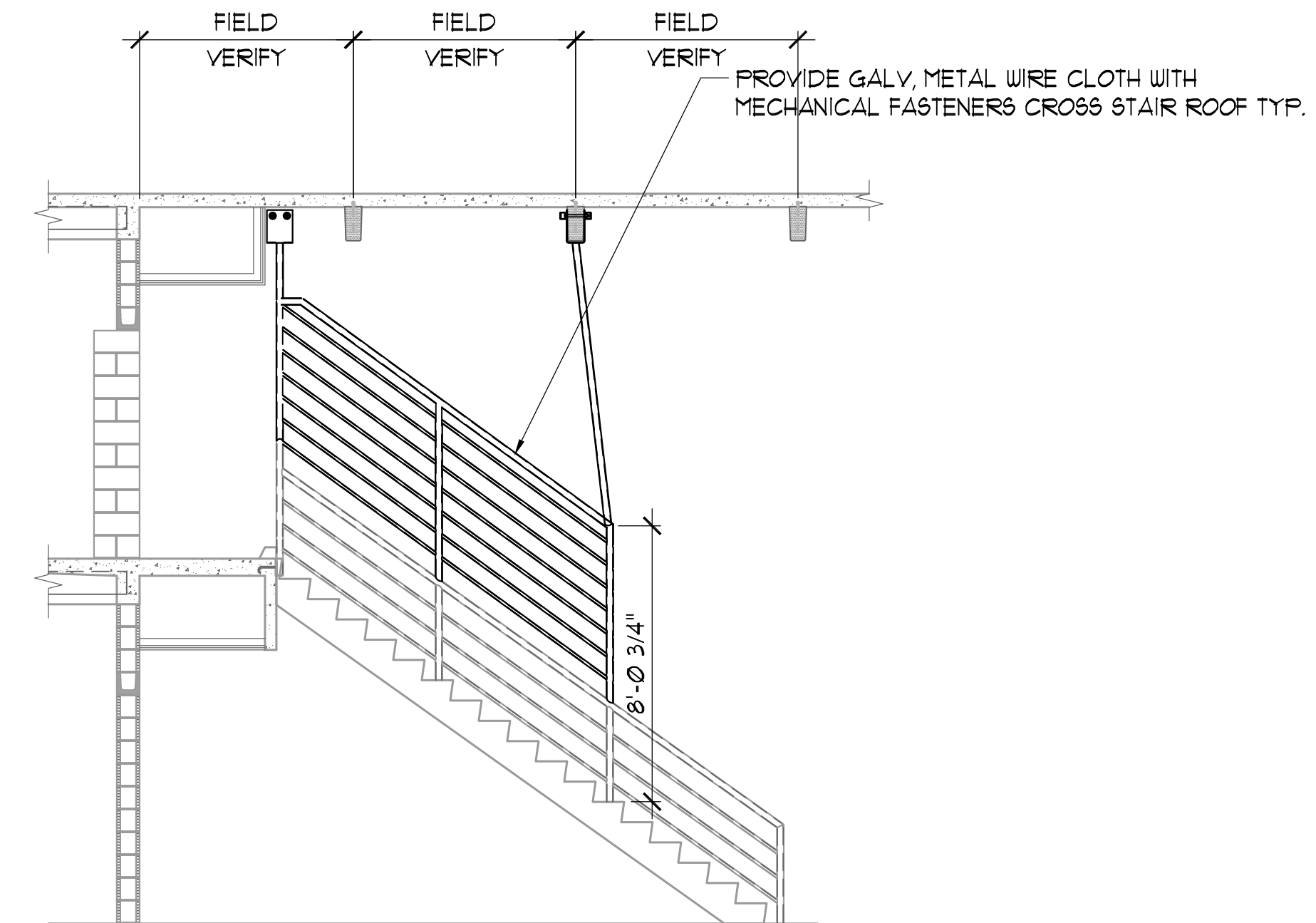
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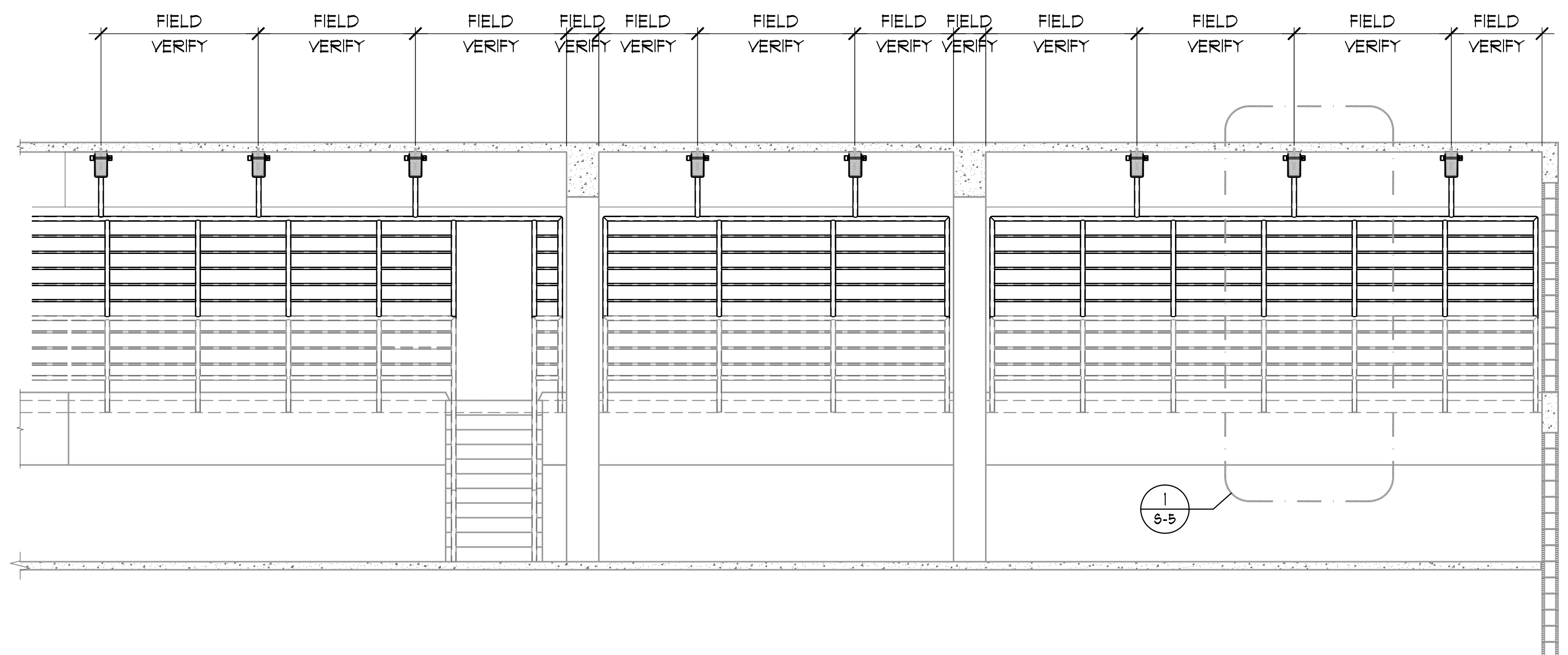
1 ELEVATIONS - BUILDINGS 'D', 'E' AND 'F'
1/4" = 1'-0"



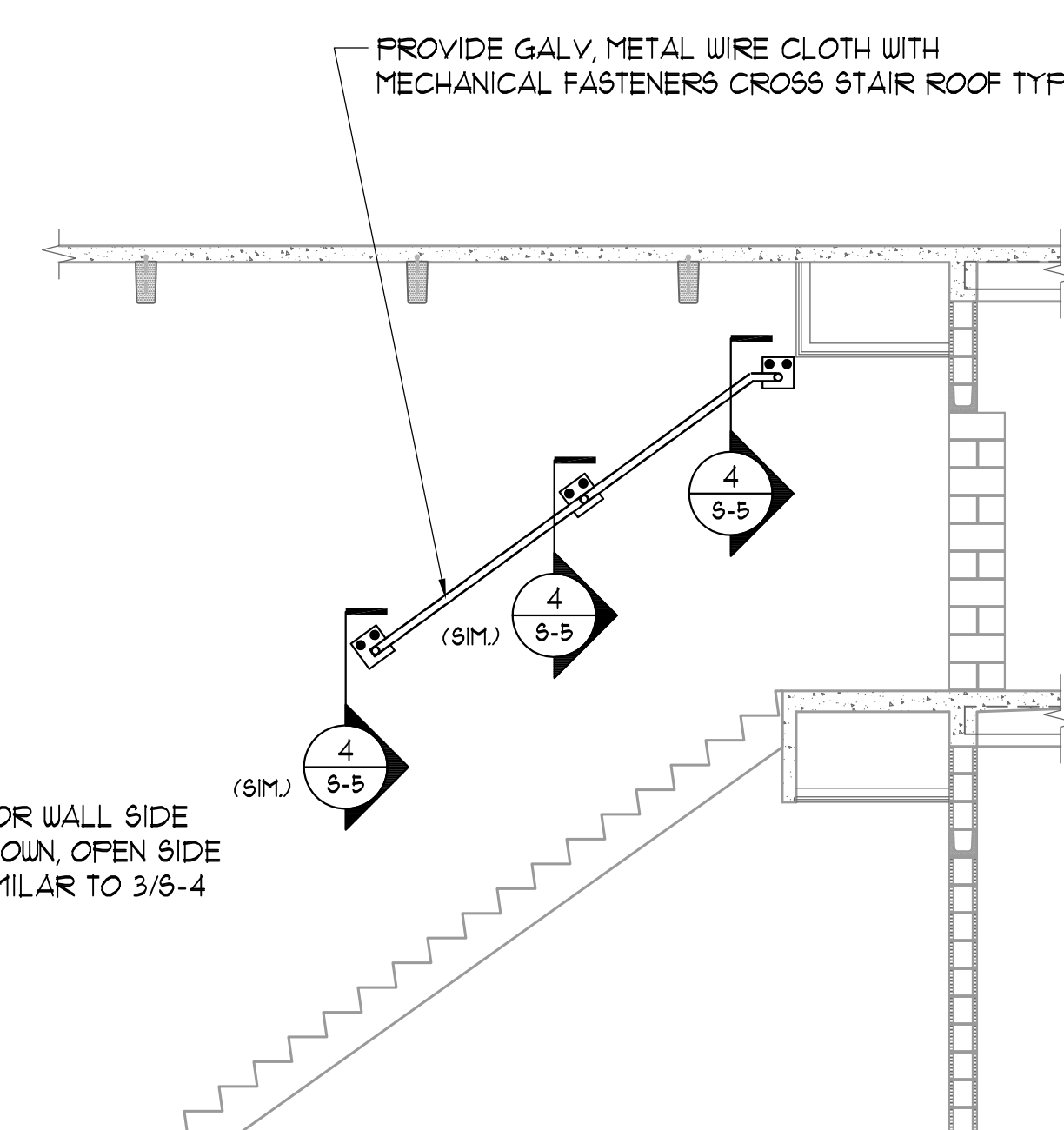
2 ELEVATION - BUILDINGS 'D', 'E' AND 'F'
1/4" = 1'-0"



3 SECTION - BUILDINGS 'D', 'E' AND 'F'
1/4" = 1'-0"



4 ELEVATION - BUILDINGS 'E' AND 'F'
1/4" = 1'-0"



5 ELEVATION - BUILDINGS 'D', 'E' AND 'F'
1/4" = 1'-0"

**Corrections Bldgs
D, E, & F
Guardrail Modifications**

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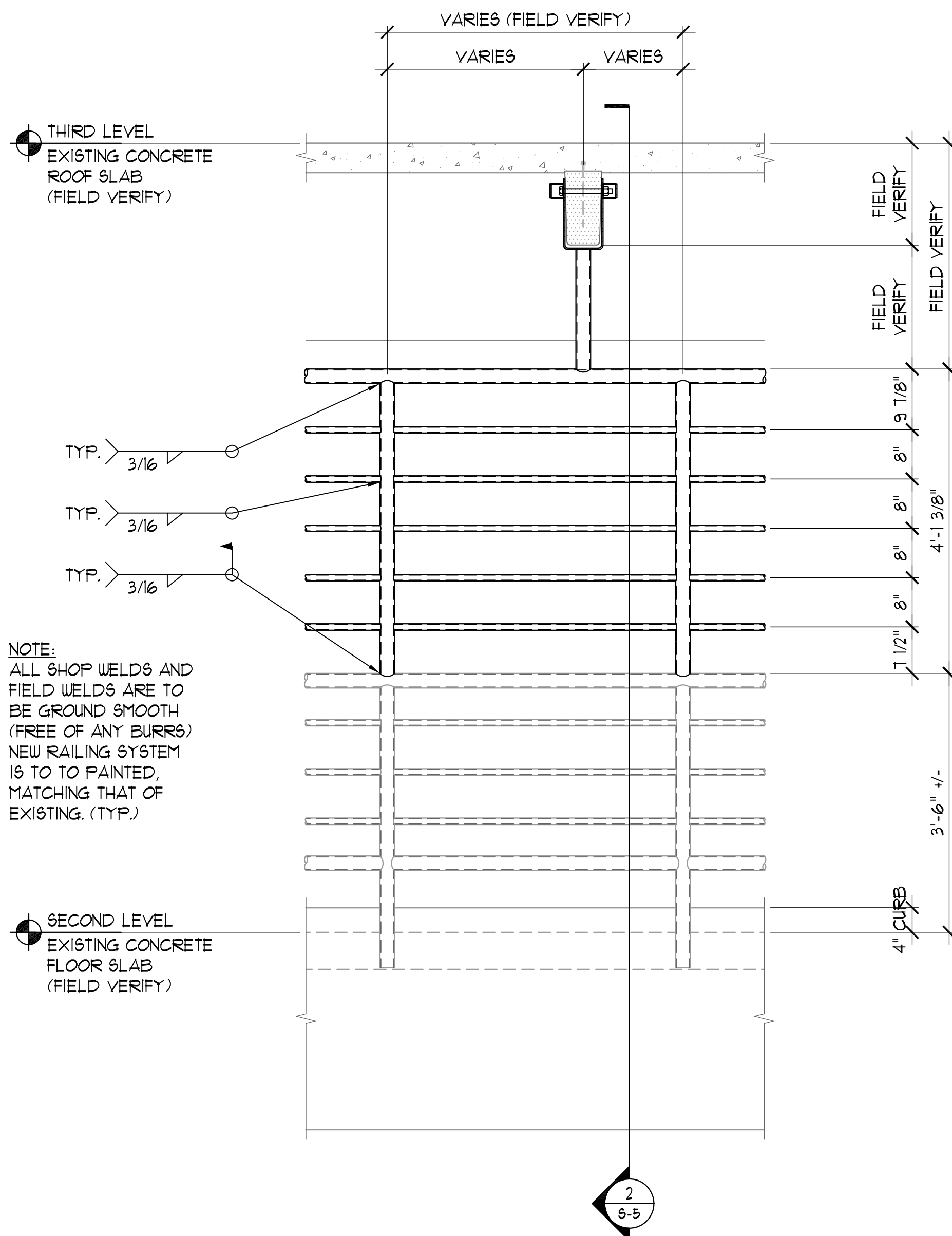
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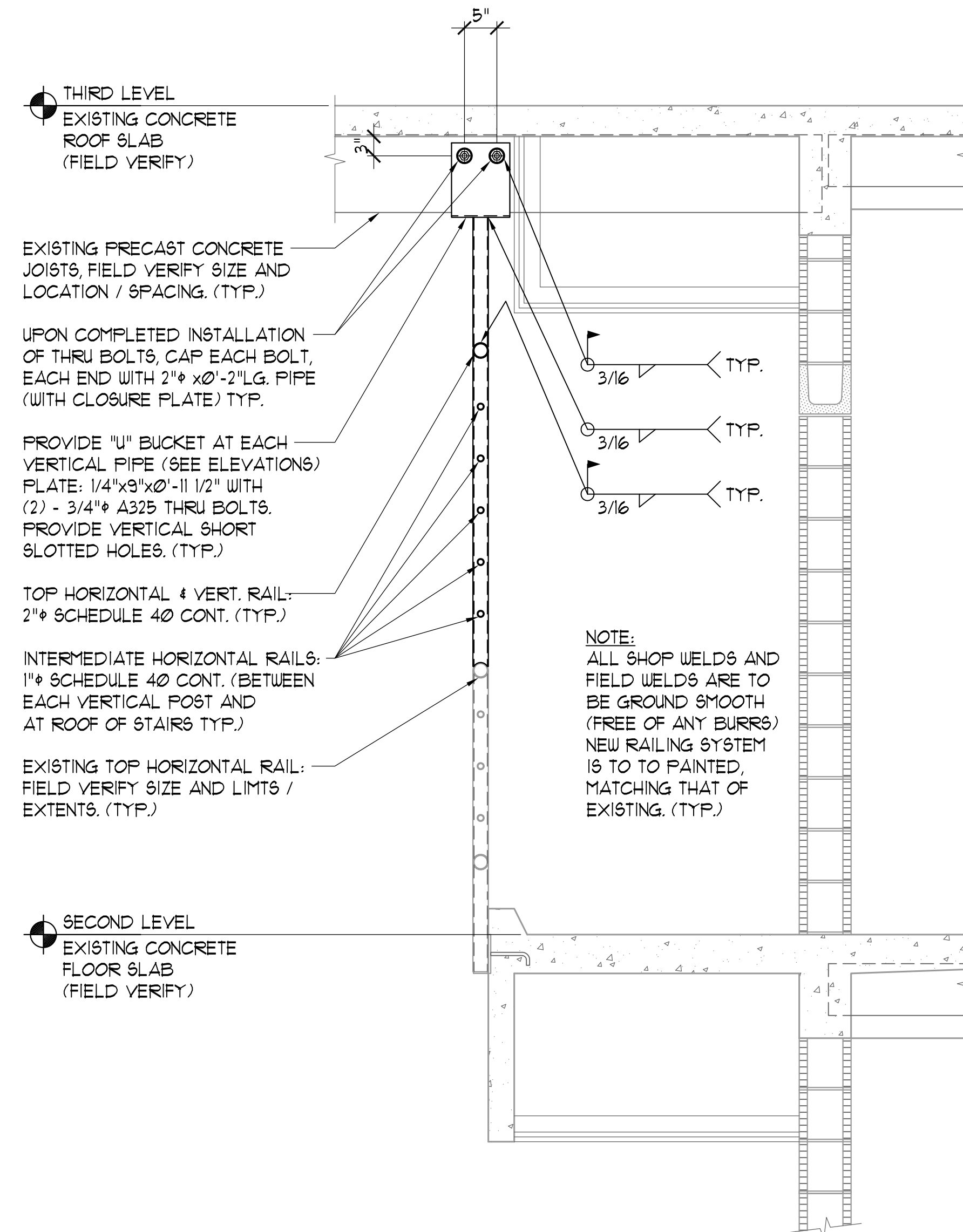
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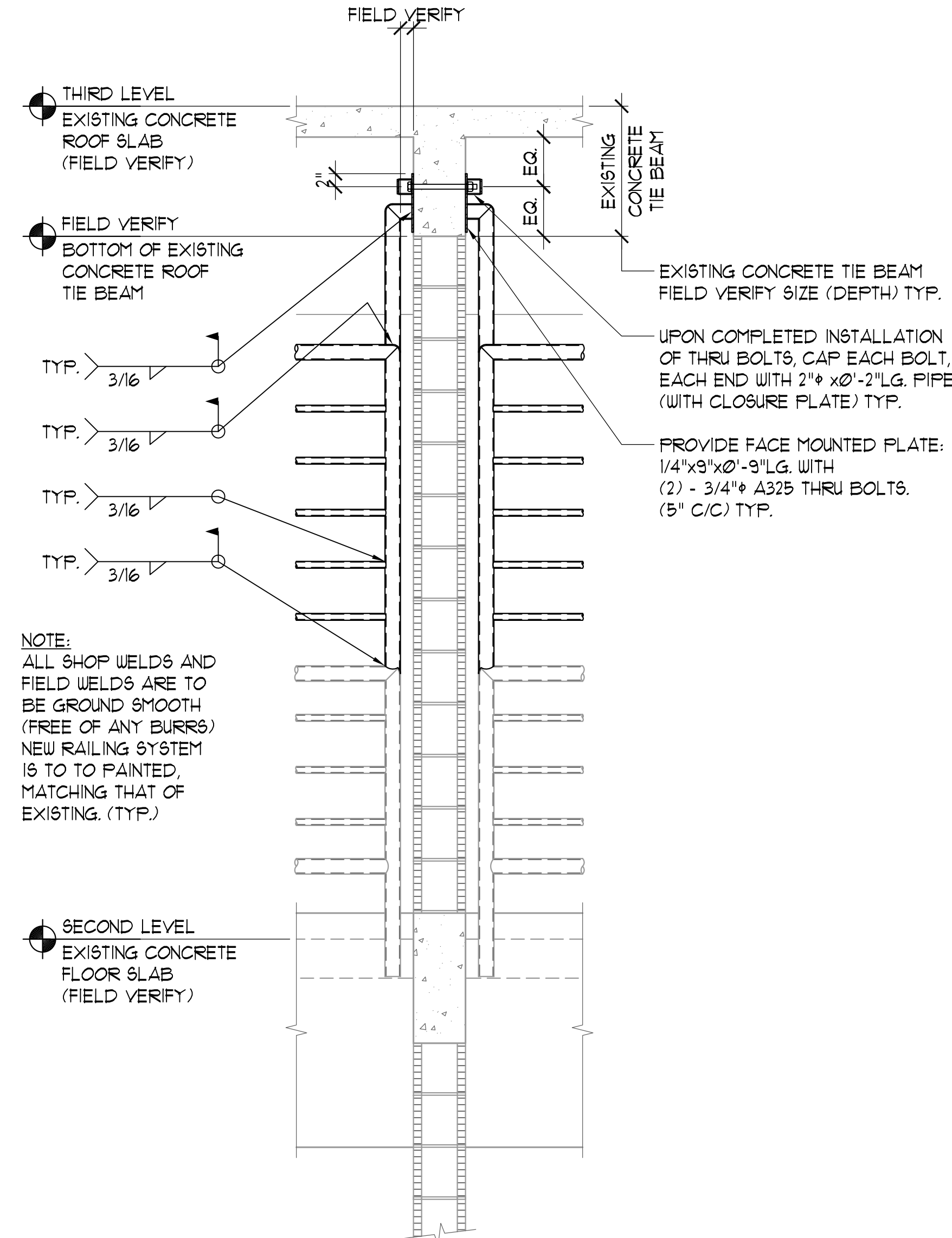
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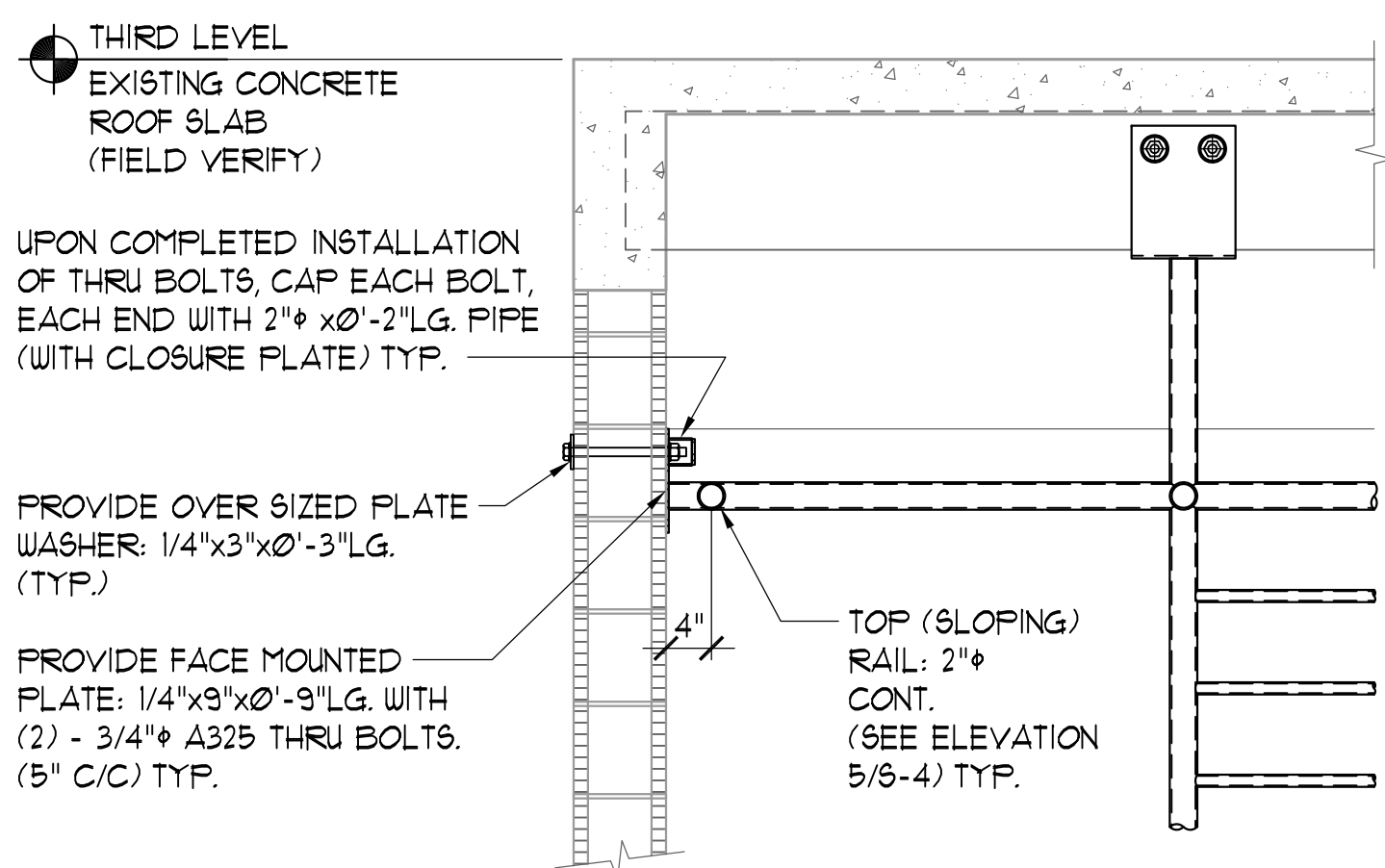
1 SECTION
3/4" - 1'-0"



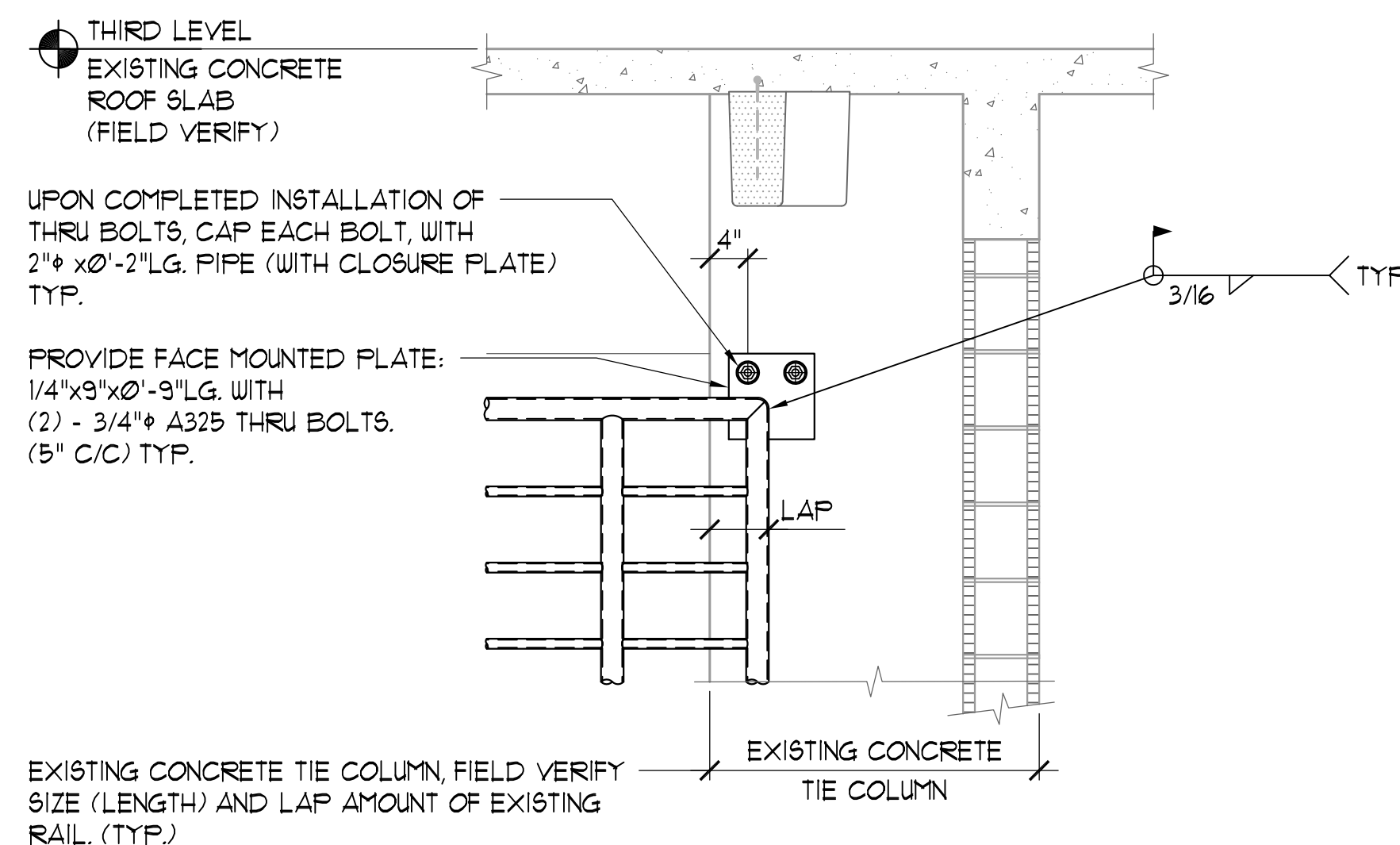
2 SECTION
3/4" - 1'-0"



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



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



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

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