



CAL POLY HUMBOLDT SIEMENS HALL

ROOF REPLACEMENT

1 HARPST ST
ARCATE, CA 95521

CONSTRUCTION DOCUMENTS
04/18/2025

LPAS

Architecture + Design
723 S Street Suite 150 Sacramento CA 95811 ph 916 443 0335
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Making Buildings Together

PROJECT NO. 1485-0004

CONSTRUCTION DOCUMENTS



GOVMOTUS NUMBER -- 25-N-1104-C-DR

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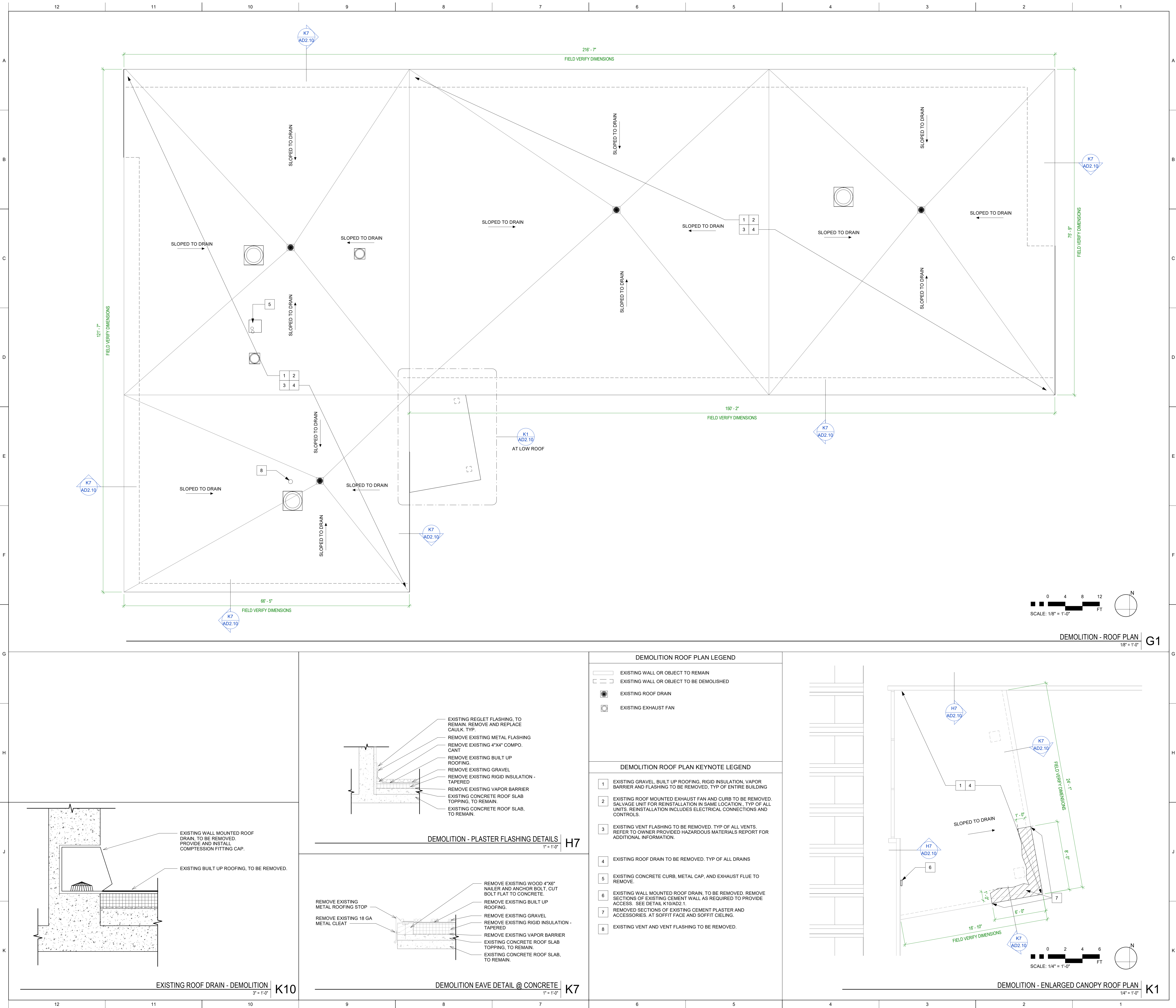


DEMOLITION ROOF
PLAN

PROJECT NO: 1485-0004
DATE: 04/18/2025

SHEET NO:

AD2.10





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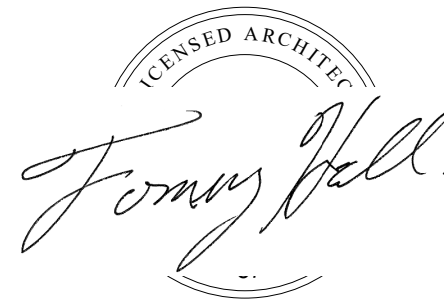
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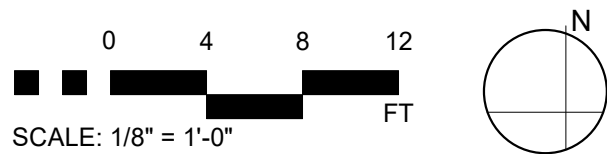
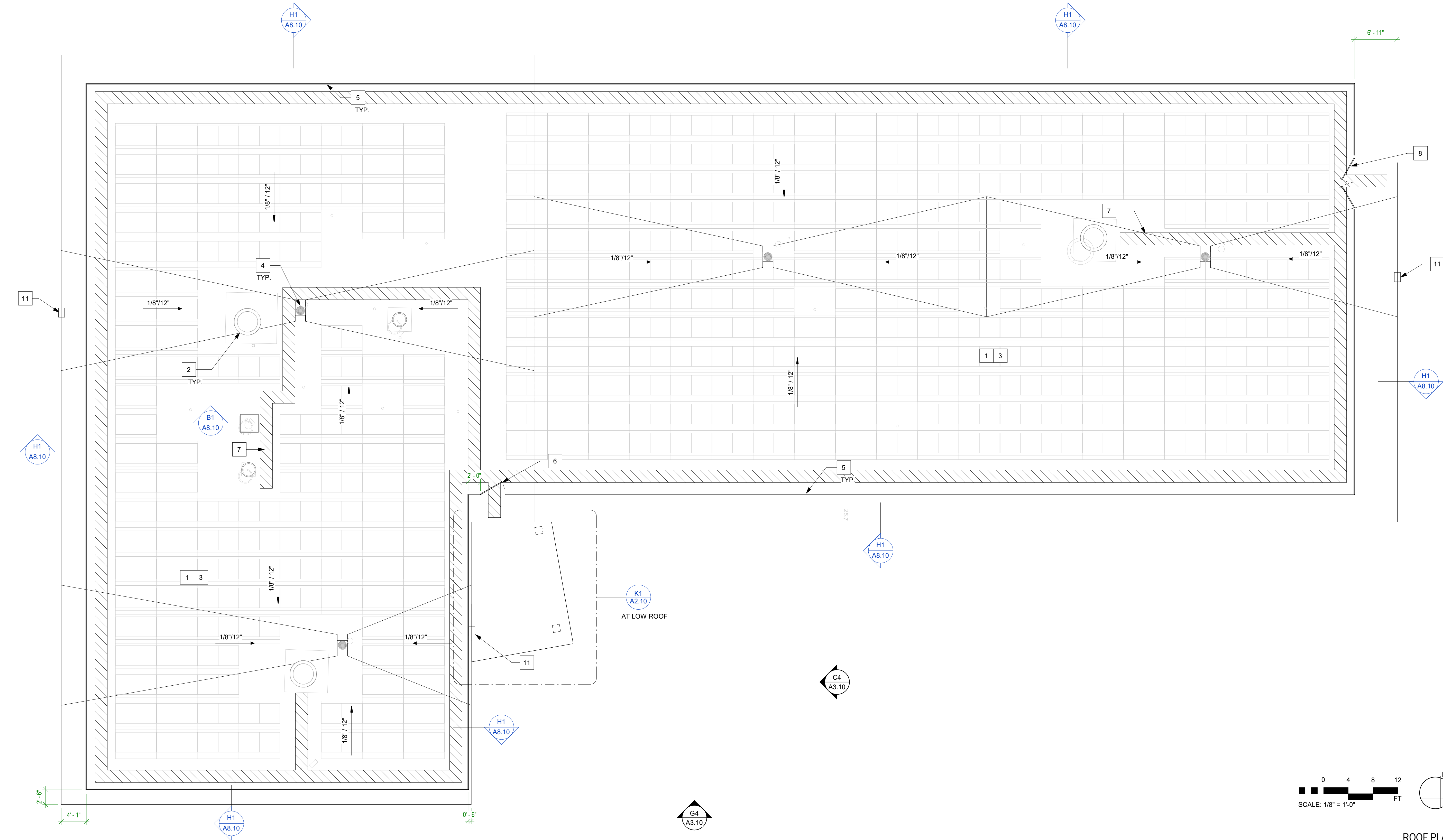


IMPROVEMENT
ROOF PLAN

PROJECT NO: 1485-0004
DATE: 04/18/2025

SHEET NO:

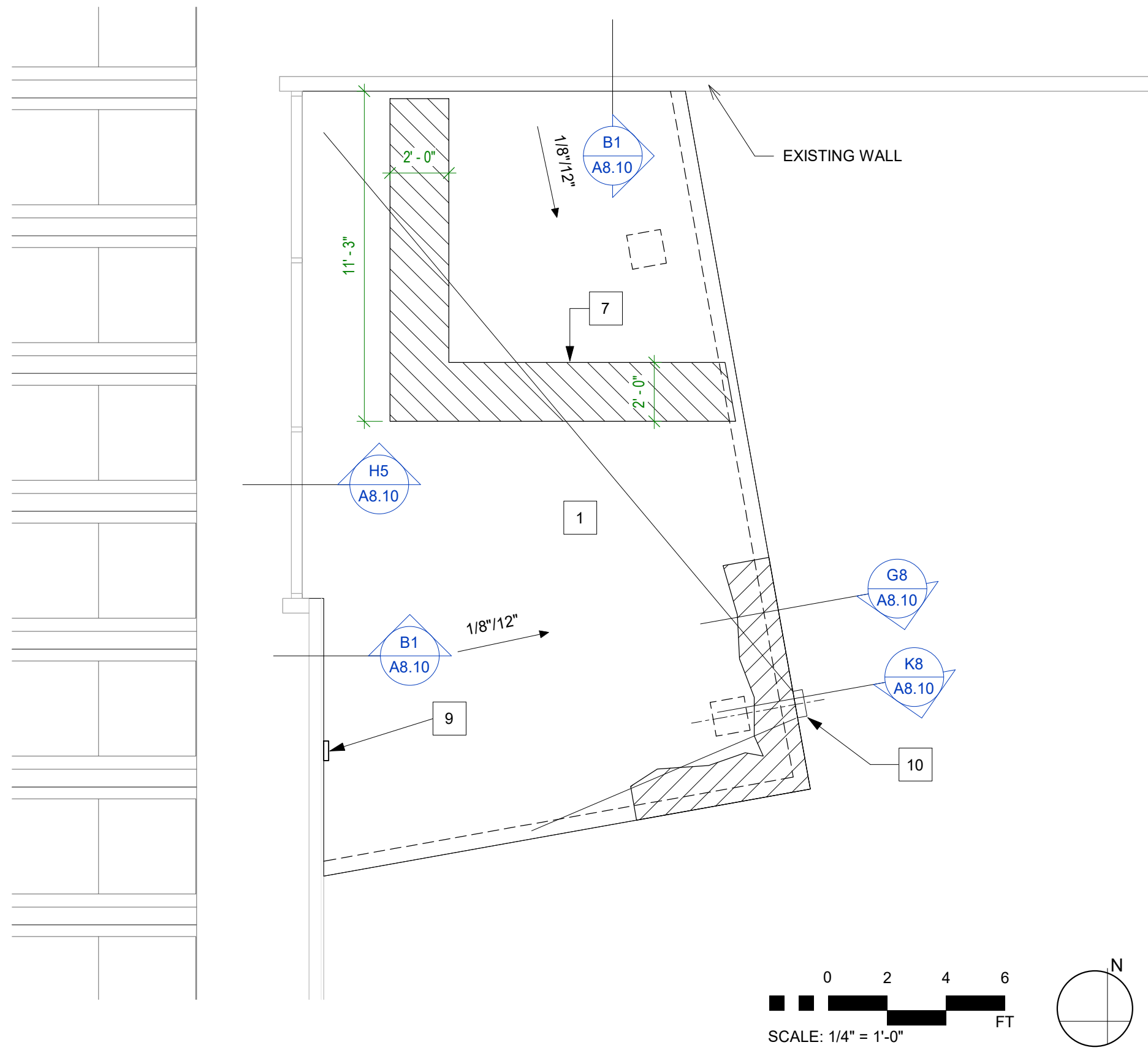
A2.10



ROOF PLAN
1/8" = 1'-0" G1

ROOF PLAN LEGEND	
	EXISTING WALL OR OBJECT TO REMAIN
	WALL OR OBJECT
	ROOF DRAIN
	EXHAUST FAN

ROOF PLAN KEYNOTE LEGEND	
1	PVC ROOFING MEMBRANE, OVER ELASTIZELL CONCRETE FILL WITH, R-20 AVERAGE RIGID INSULATION, OVER VAPOR BARRIER, TYP OF ENTIRE BUILDING.
2	REINSTALLATION SALVAGED ROOF MOUNTED EXHAUST FAN ON NEW CURB. REINSTALLATION IN SAME LOCATION, TYP OF ALL UNITS. SEE D5 / A8.10
3	VENT FLASHING TYP. OF ALL VENTS. SEE DETAIL F5 / A8.10
4	ROOF DRAIN. SEE DETAIL K5 / A8.10 TYP OF ALL DRAINS
5	GUARD RAIL SYSTEM, SEE DETAIL F1 / A8.11 TYP.
6	GATE, SEE DETAIL K1 / A8.11
7	WALKING PAD, SEE DETAIL K1 / A8.10
8	DOUBLE GATE, SEE DETAIL K6 / A8.11
9	INSTALL COMPRESSION FITTING CAP.
10	INSTALL SCUPPER AND DOWN SPOUT, TO ALIGN WITH CENTERLINE OF COLUMN BELOW, DAYLIGHT TO PLANTER. SEE DETAIL K8 / A8.10
11	OVER FLOW IN EAVE FLASHING PER DETAIL D8 / A8.10



ENLARGED CANOPY ROOF PLAN - IMPROVEMENT
1/4" = 1'-0" K1

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BUILDING PERMIT APPROVAL

THIS PROJECT HAS DEMONSTRATED CONFORMANCE WITH APPLICABLE CODES AND STANDARDS ESTABLISHED BY STATE AND UNIVERSITY POLICY. BASED ON THIS REVIEW, THE FOLLOWING DOCUMENTS ARE:

**APPROVED FOR
CONSTRUCTION**

KASSIDY D. BANDUCCI

Campus Deputy Building Official
California State Polytechnic University, Humboldt

Date: May 15, 2025
Permit No. 2024-25-022

Construction Permit is not an official Notice of Proposed Construction permit and does not constitute an approval or endorsement by the Department of Planning and Community Development. It is intended solely as a record of review and does not constitute a warranty or guarantee of the accuracy or completeness of the information provided. The Department of Planning and Community Development shall not be responsible for any errors or omissions in the information provided. This document is subject to change without notice.

OTHER APPROVALS, AS APPLICABLE:

<input checked="" type="checkbox"/> OPS APPROVAL	<input type="checkbox"/> SEISMIC PEER REVIEW
<input type="checkbox"/> DATA ACCESS REVIEW	<input type="checkbox"/> MECHANICAL PEER REVIEW

PROJECT NO: 1485-0004
DATE: 04/18/2025

A3.10



GOVMOTUS NUMBER -- 25-N-1104-C-DR

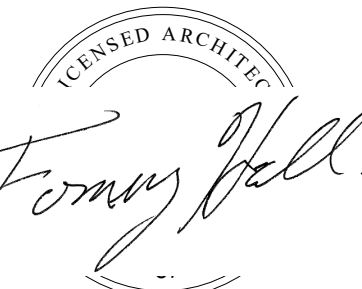
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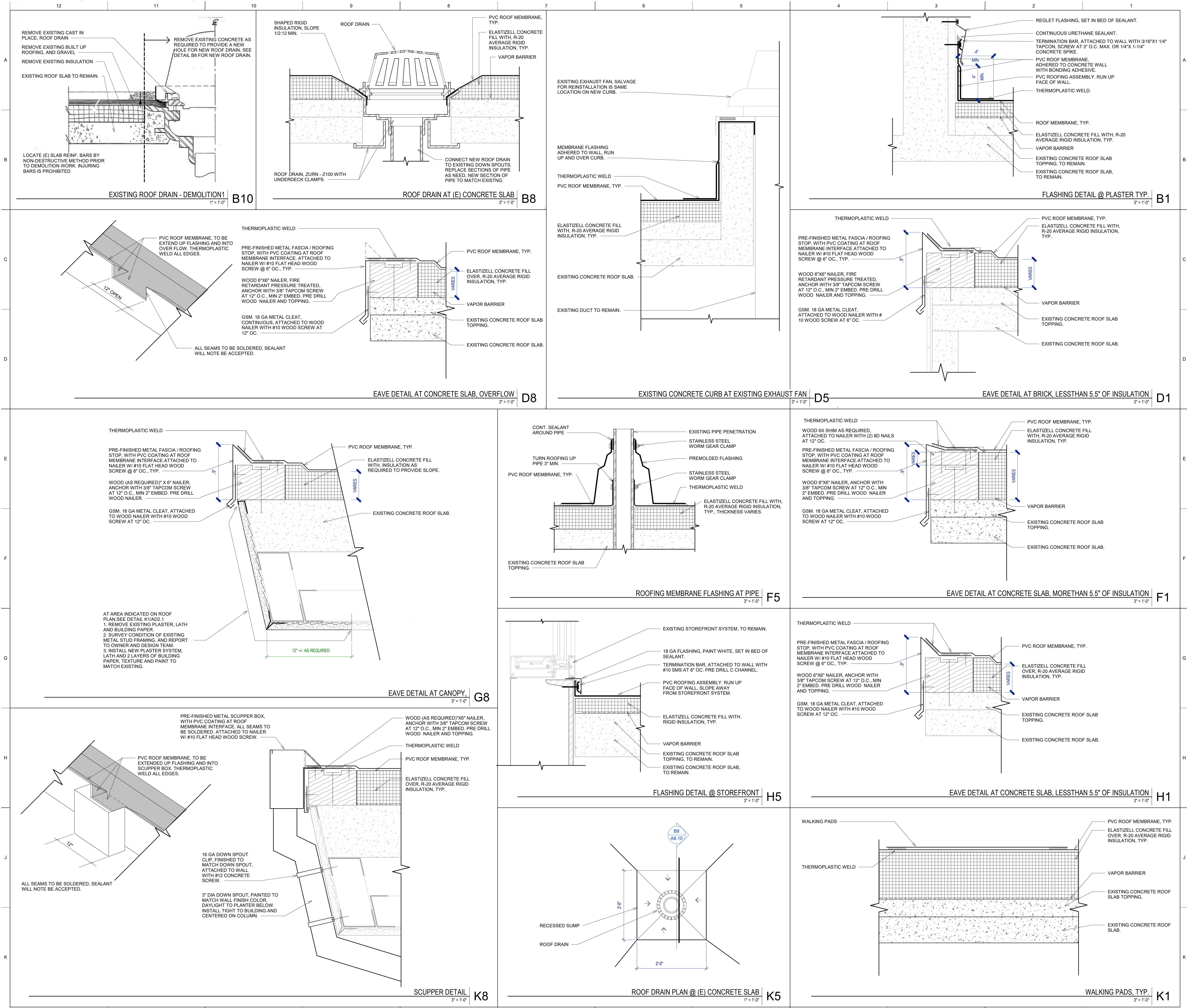


ROOF DETAILS

PROJECT NO: 1485-0004
DATE: 04/18/2025

SHEET NO:

A8.10



- NOTES**
- DO NOT CUT (E) REINFORCEMENT WHEN DRILLING FOR ANCHORS. IF REINF IS ENCOUNTERED, CONTACT AOR.
 - ANCHOR RODS TO BE ASTM F1554 GR 36.
 - BASE PLATES TO BE ASTM A306.
 - HSS SQUARE CROSS SECTION TO BE ASTM A500 GR B OR C.
 - INSTALL HILTI KB-TZ2 PER ESR-4266.
 - STEEL TO BE GALVANIZED, TYP.
 - EPOXY SHALL BE ONE OF THE FOLLOWING:
A. HILTI HIT-HY 200 V3 (ICC ESR-4868)
B. HILTI HIT-RE 500 V3 (ICC ESR-3814)

- POST-INSTALLED ANCHORS TESTING AND INSPECTION**
- USE SCANNING EQUIPMENT OR OTHER MEANS TO LOCATED AND AVOID CUTTING OR DAMAGING REINFORCING BARS. SER APPROVAL IS REQUIRED PRIOR TO CUTTING OR DAMAGING REINFORCING.
 - SPECIAL INSPECTION IS REQUIRED FOR ALL POST-INSTALLED ANCHORS INSTALLATIONS. UON.
 - FIELD TESTING OF POST -INSTALLED ANCHORS IS REQUIRED. UON TEST INSTALLED ANCHORS IN ACCORDANCE WITH THE FOLLOWING.

- TEST 10% OF ANCHORS
- IF ANY ANCHOR FAILS, TEST ALL ANCHORS OF THE SAME TYPE NOT PREVIOUSLY TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS.
- FIELD TESTS SHALL BE EITHER TENSION TESTS OR TORQUE TESTS, AS REQUIRED FOR THE SPECIFIC ANCHOR TYPE.
- TENSION TESTS: APPLY TEST LOADS TO ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS AS THE ORIGINAL NUT USING A TORQUE WRENCH. REACTION LOADS FROM TEST FIXTURE MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURE. TO BE ACCEPTABLE, ANCHOR SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD (OBSERVABLE MOVEMENT IS DEFINED AS THE WASHER UNDER THE NUT BECOMING LOOSE).
- TORQUE TESTS: TO BE ACCEPTABLE, THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN ONE-HALF TURN OF THE NUT.
- FIELD TESTING SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR.
- TESTING SHOULD OCCUR A MINIMUM OF 24 HOURS AFTER INSTALLATION OF THE SUBJECT ANCHOR.

CONCRETE SCREW ANCHORS TESTING

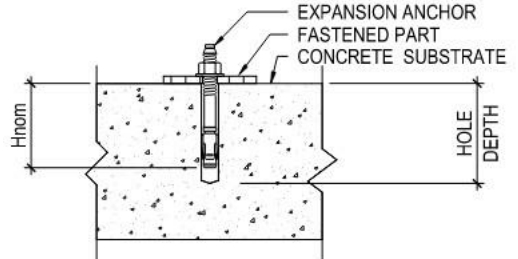
SCREW ANCHORS SHALL BE HILTI KWIK HUS-EZ (ICC-ES REPORT ESR-3027), OR APPROVED EQUAL.

- ANCHOR EMBEDMENT AND TENSION TEST VALUES BELOW ARE TO BE USED.

HILTI KWIK HUS-EZ IN NORMAL WEIGHT CONCRETE (3000 PSI MIN)			
ANCHOR DIAMETER	Hnom	MINIMUM HOLE DEPTH	TENSION TEST VALUE (LBS)
1/4"	2 1/2"	2 7/8"	1040

EXPANSION ANCHORS TESTING

- ANCHOR EMBEDMENT AND FIELD TEST VALUES ARE AS FOLLOWS, UON.
- SEE ESR-4266 FOR FURTHER INFORMATION.



HILTI KWIK BOLT TZ2 IN NORMAL WEIGHT CONCRETE (3000 PSI MIN)			
ANCHOR DIAMETER	Hnom	MINIMUM HOLE DEPTH	TORQUE TEST VALUE (FT-LBS)
3/8"	2 1/2"	2 3/4"	30
1/2"	2 1/2"	2 3/4"	50

EPOXY ANCHORS TESTING

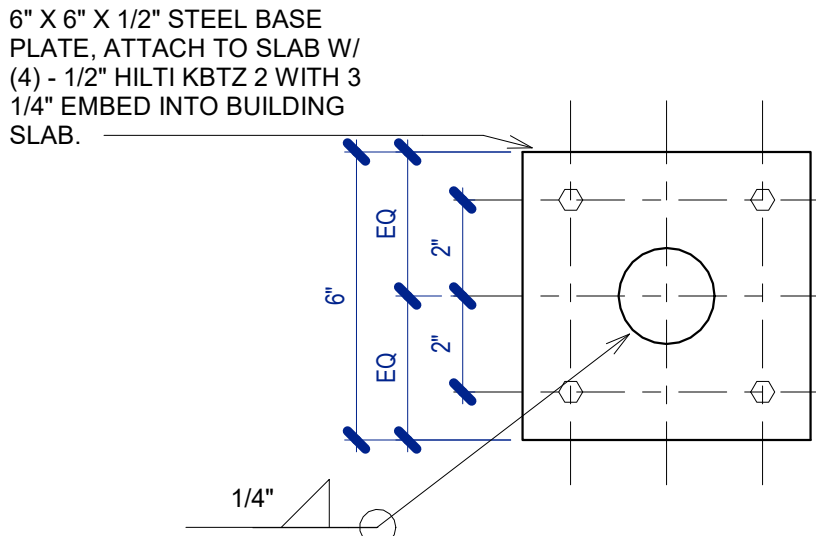
- ANCHOR EMBEDMENT AND TENSION TEST VALUES ARE AS FOLLOWS, UON.
- TESTING SHALL OCCUR AFTER EPOXY HAS CURED, AS PER MANUFACTURERS RECOMMENDATIONS. SEE CURRENT ICC ESR.
- INSTALLATION AND INSPECTION OF EPOXY ANCHORS SHALL COMPLY WITH ACI 308-14 SECTION 17.8.2.2 AND 17.8.2.4

EPOXY ANCHORS IN NORMAL WEIGHT CONCRETE (3000 PSI MIN)			
THREADED ROD DIA. (IN)	EMBEDMENT (IN)	HILTI HY-200 V3	HILTI HIT-RE 500-V3
7/8"	7	11710	13820

NOTES FOR ANCHORS

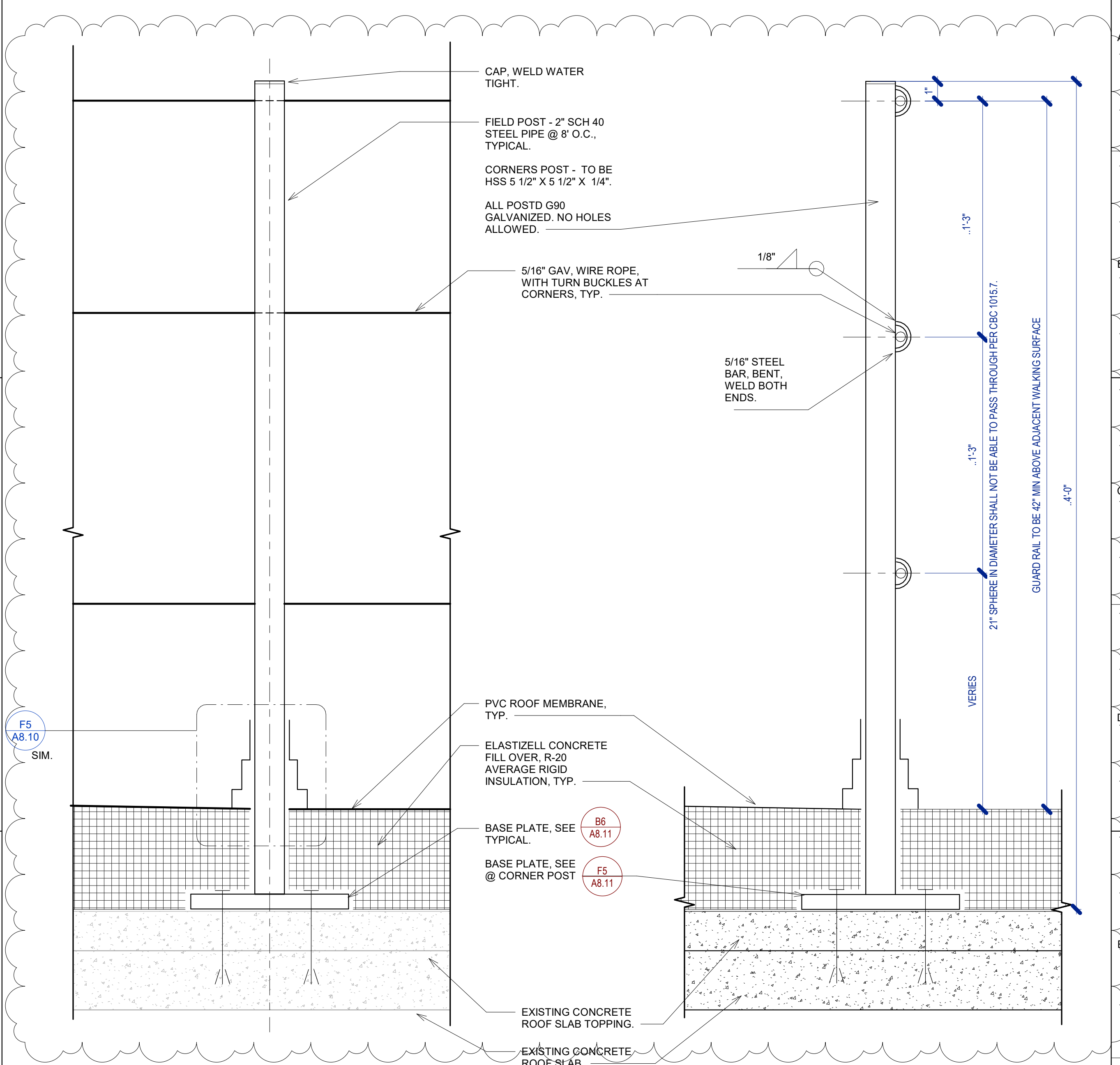
1" = 1'-0"

D6



BASE PLATE DETAILS TYPE 1
3" = 1'-0"

B6



ELEVATION

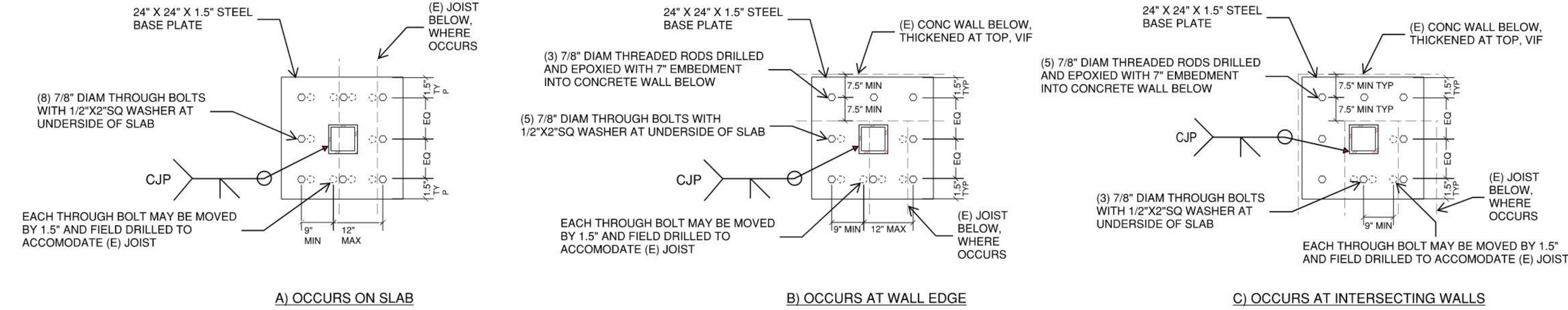
SECTION

NOTE: RAILING POSTS TO BE FULL WELDED, GROUND SMOOTH TO PROVIDE NO SHARP EDGES. POST SHALL BE CAPPED AT TOP, WELDED AND GROUND SMOOTH TO PROVIDE NO SHARP EDGES. ENTIRE SYSTEM TO BE PAINTED BLACK.

GUARD RAIL SYSTEM

3" = 1'-0"

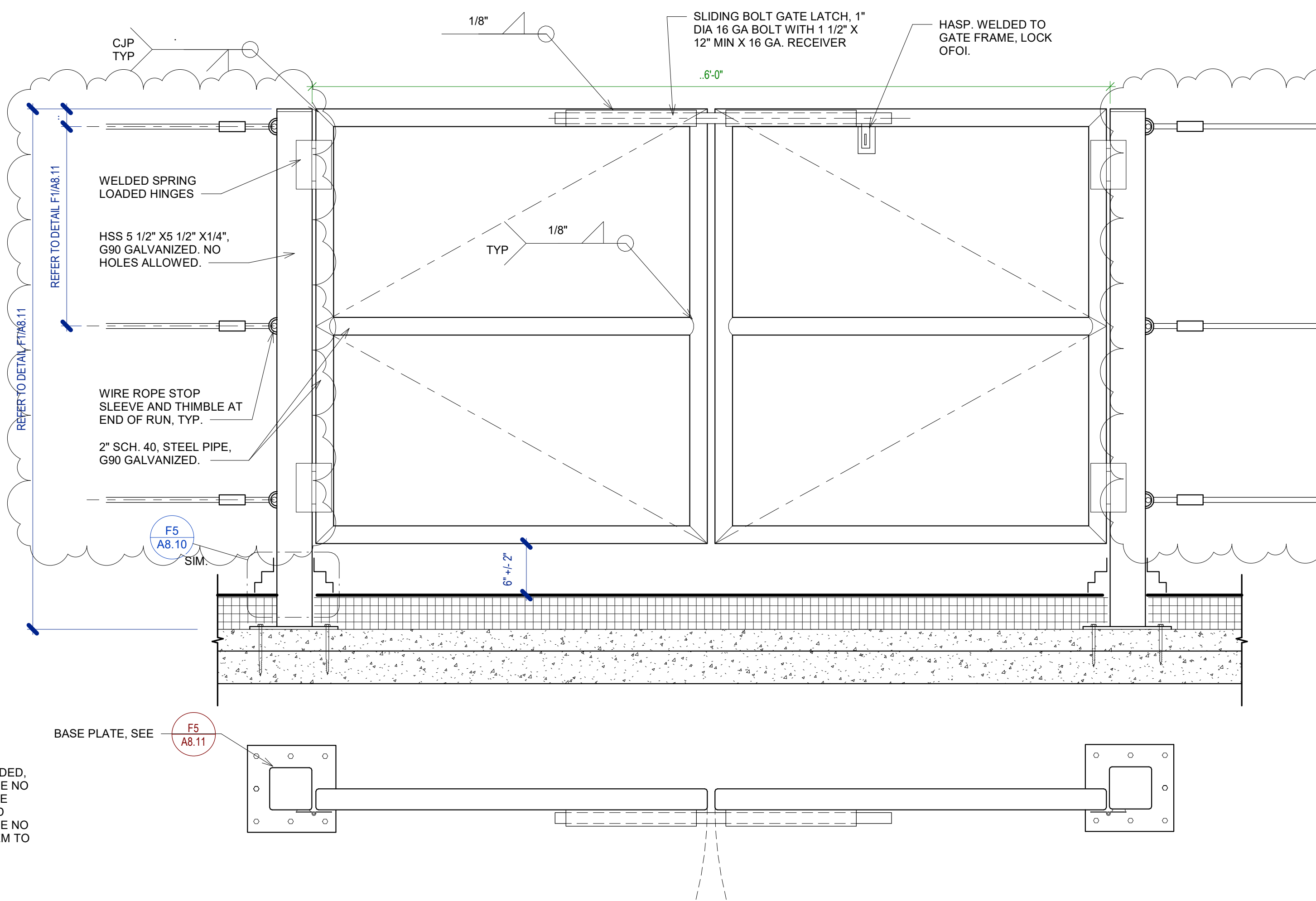
F1



BASE PLATE DETAIL TYPE 2

1" = 1'-0"

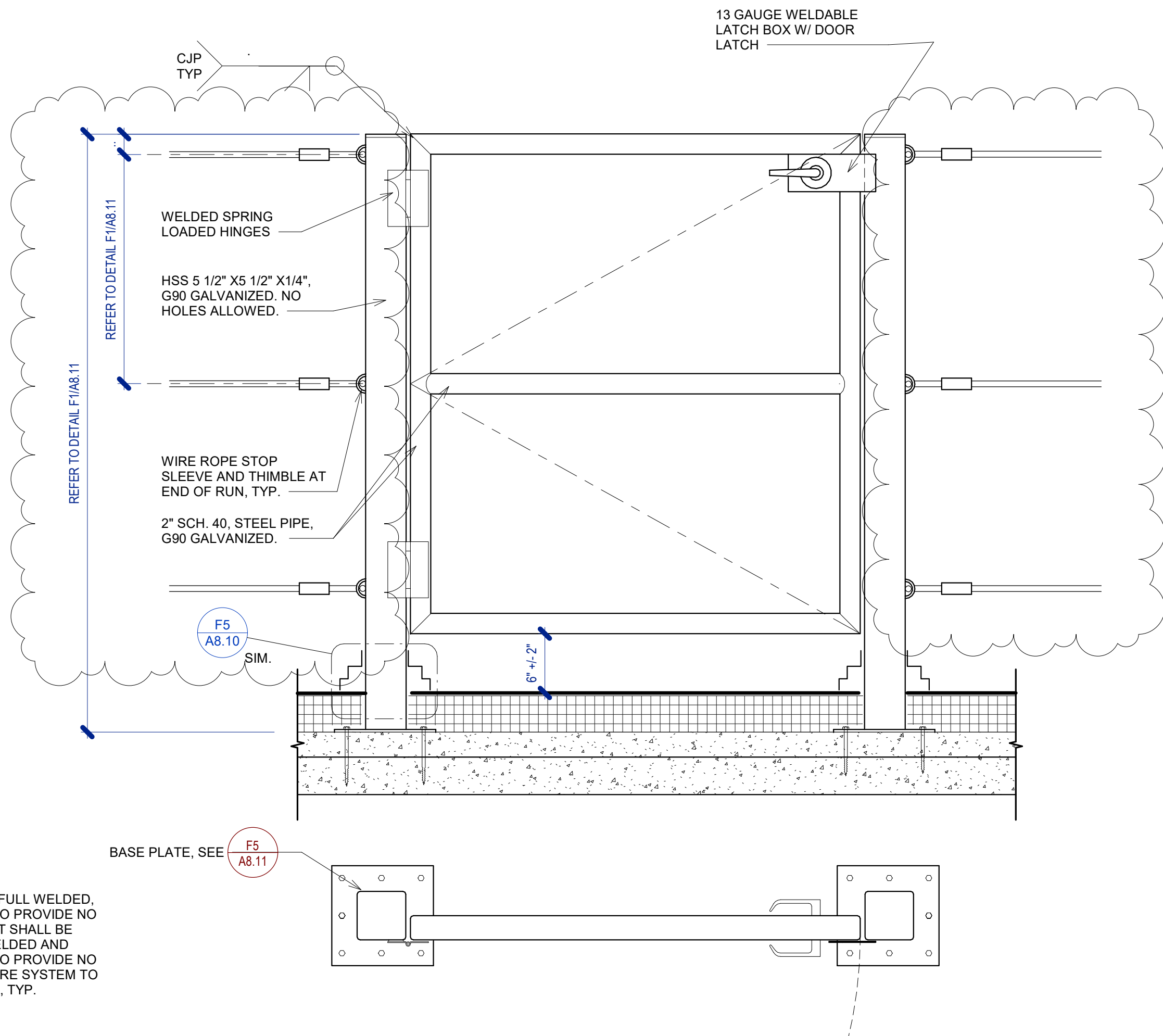
F5



DOUBLE GATE PLAN AND ELEVATION

1 1/2" = 1'-0"

K6



GATE PLAN AND ELEVATION

1 1/2" = 1'-0"

K1



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RAILING DETAILS

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SHEET NO:

A8.11