

# CAL POLY HUMBOLDT HARRY GRIFFITH HALL

## ROOF REPLACEMENT

1 HARPST ST  
ARCATA, CA

CONSTRUCTION DOCUMENTS  
04/18/2025

# LPAS

Architecture + Design  
723 S Street Suite 150 Sacramento CA 95811 ph 916 443 0335  
49 Geary Street Suite 520 San Francisco CA 94108 ph 415 213 0335 LPAS.com  
Making Buildings Together

PROJECT NO. 1485-0003

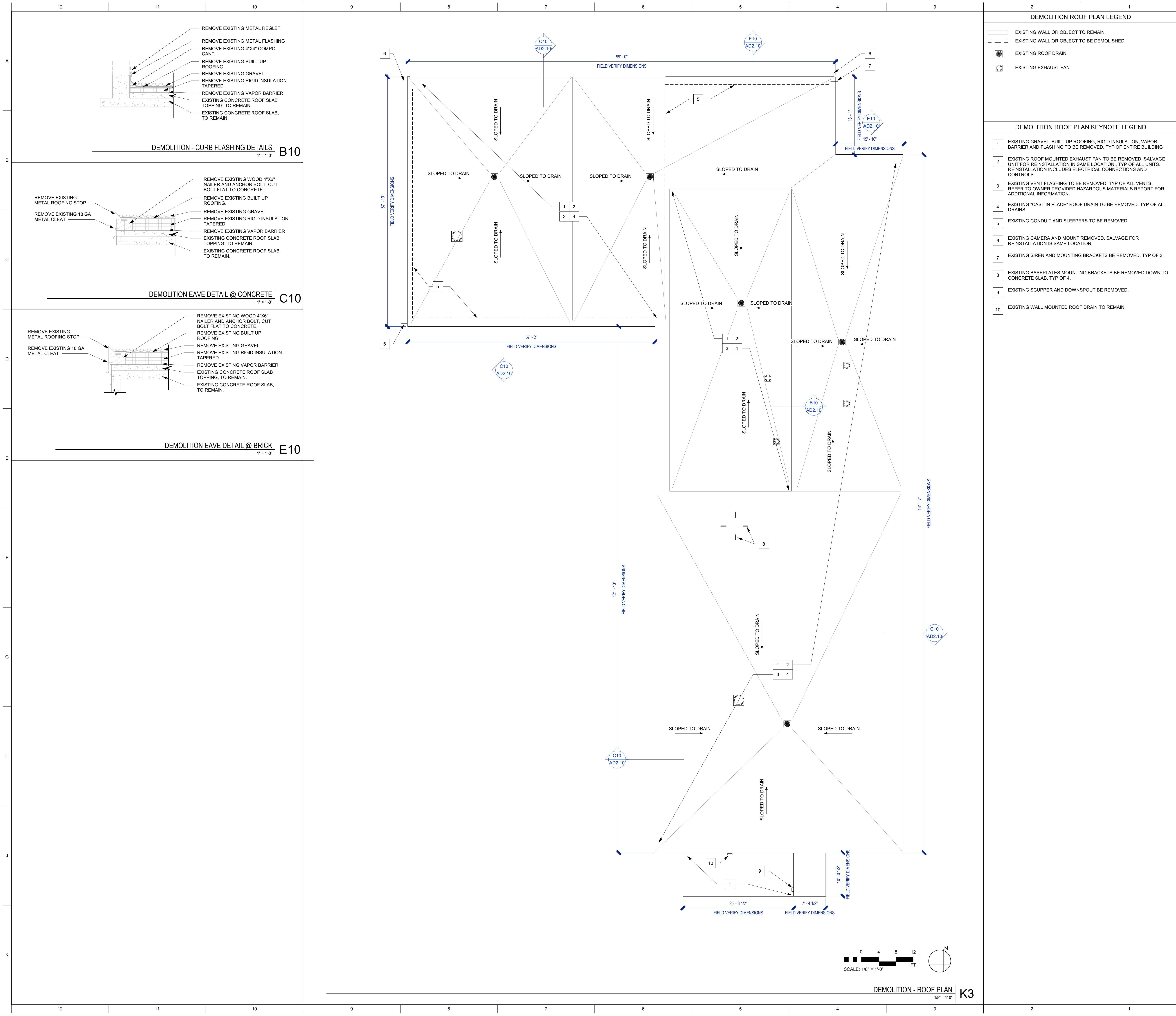


CONSTRUCTION DOCUMENTS









- DEMOLITION ROOF PLAN LEGEND
- EXISTING WALL OR OBJECT TO REMAIN

EXISTING WALL OR OBJECT TO BE DEMOLISHED

EXISTING ROOF DRAIN

EXISTING EXHAUST FAN
- DEMOLITION ROOF PLAN KEYNOTE LEGEND
- 1

EXISTING GRAVEL, BUILT UP ROOFING, RIGID INSULATION, VAPOR BARRIER AND FLASHING TO BE REMOVED, TYP OF ENTIRE BUILDING
- 2

EXISTING ROOF MOUNTED EXHAUST FAN TO BE REMOVED. SALVAGE UNIT FOR REINSTALLATION IN SAME LOCATION. TYP OF ALL UNITS. REINSTALLATION INCLUDES ELECTRICAL CONNECTIONS AND CONTROLS.
- 3

EXISTING VENT FLASHING TO BE REMOVED. TYP OF ALL VENTS. REFER TO OWNER PROVIDED HAZARDOUS MATERIALS REPORT FOR ADDITIONAL INFORMATION.
- 4

EXISTING "CAST IN PLACE" ROOF DRAIN TO BE REMOVED. TYP OF ALL DRAINS
- 5

EXISTING CONDUIT AND SLEEPERS TO BE REMOVED.
- 6

EXISTING CAMERA AND MOUNT REMOVED. SALVAGE FOR REINSTALLATION IS SAME LOCATION
- 7

EXISTING SIREN AND MOUNTING BRACKETS BE REMOVED. TYP OF 3.
- 8

EXISTING BASEPLATES MOUNTING BRACKETS BE REMOVED DOWN TO CONCRETE SLAB. TYP OF 4
- 9

EXISTING SCUPPER AND DOWNSPOUT BE REMOVED.
- 10

EXISTING WALL MOUNTED ROOF DRAIN TO REMAIN.

OFFICE OF THE  
CALIFORNIA STATE FIRE MARSHAL

APPROVED

PANIC AND LIFE SAFETY ONLY

Approval of this plan does not constitute an approval by endorsement or deviation from applicable regulations and standards. Approved plans shall be available on the project site at all times. Final approval subject to field inspection.

Approved by: *Paige McKibbin* 05/13/2025

CSU DESIGNATED CAMPUS FIRE MARSHAL - Paige McKibbin

GOVMOTUS NUMBER -- **25-N-1105-C-DR**

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Architecture + Design

723 S Street Suite 150 Sacramento CA 95811  
916.443.0335 ph

10 Clay Street Suite 250 Oakland CA 94607  
415.213.0335 ph

LPAS.com

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ROOF REPLACEMENT

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ARCATA, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

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BUILDING PERMIT APPROVAL

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APPROVED FOR CONSTRUCTION

*Kassidy D. Banducci*

KASSIDY D. BANDUCCI

Campus Deputy Building Official

California State Polytechnic University, Humboldt

Date: May 15, 2025

Permit No. 2024/25-021

☒ OPS APPROVAL

☐ SEMIAC PEER REVIEW

☐ OSA ACCESS REVIEW

☐ MECHANICAL REVIEW

DEMOLITION ROOF PLAN

PROJECT NO: 1485-0003  
DATE: 04/18/2025

SHEET NO:

AD2.10

95 % CONSTRUCTION DOCUMENTS

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





PROPOSED ROOF PLAN



L P A S

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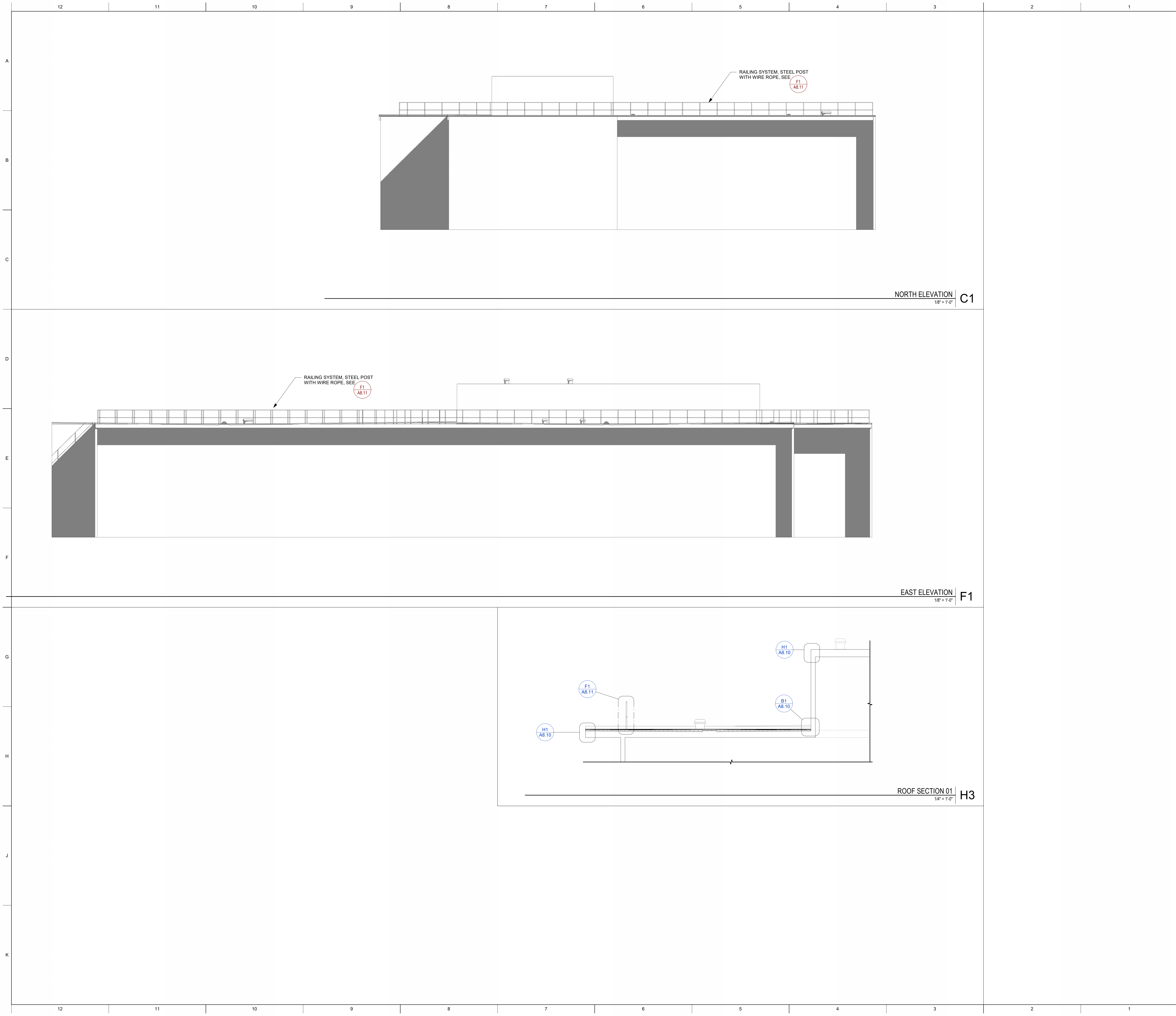
# OVERALL ROOF PLANS

PROJECT NO: 1485-0003

DATE: 04/18/2025

SHEET NO:

## A2.10



GOVMOTUS NUMBER -- 25-N-1105-C-DR

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EXTERIOR ELEVATIONS

PROJECT NO: 1485-0003

DATE: 04/18/2025

SHEET NO:

A3.10









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## ROOF REPLACEMENT

1 HARPST ST  
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NO.	ISSUE	DATE
1	OFS COMMENT RESPONSES	04/18/2025



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*Kassidy D. Banducci*

**KASSIDY D. BANDUCCI**

Campus Deputy Building Official  
California State Polytechnic University, Humboldt

Date: May 15, 2025

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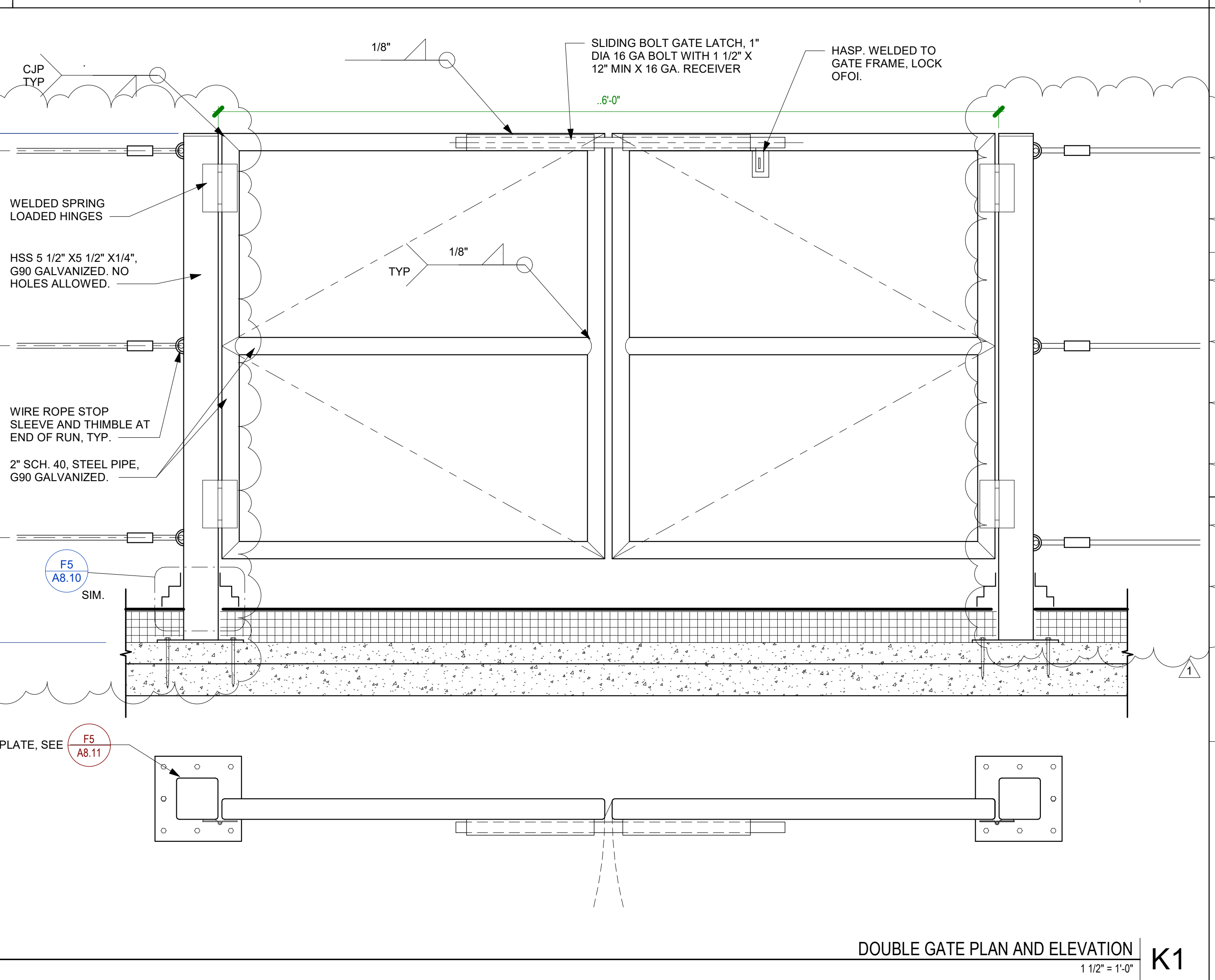
OTHER APPROVALS, AS APPLICABLE:

<input checked="" type="checkbox"/> OPS APPROVAL	<input type="checkbox"/> SEISMIC PEER REVIEW
<input type="checkbox"/> DISA APPROVAL, AS APPLICABLE	<input type="checkbox"/> MECHANICAL PEER REVIEW

DATE: 04/18/2025

SHEET NO:

## A8.11



**NOTES**

1. DO NOT CUT (C) REINFORCEMENT WHEN DRILLING FOR ANCHORS. IF REINFORCEMENT IS ENCOUNTERED, STOP.
2. ANCHOR RODS TO BE ASTM F1554 GR 36.
3. BASE PLATES TO BE ASTM A36.
4. HSS SHOCK CROSS TO BE ASTM A507 OR B.
5. INSTALL HLTI KB-172 PER ESP-4266.
6. STEEL TO BE GALVANIZED, ZTY.
7. EPOXY SHALL BE ONE OF THE FOLLOWING:  
A. HLTI HIT-RE 200 V3 (CC ES-4888)  
B. HLTI HIT-RE 200 V3 (CC ES-3814)

**POST-INSTALLED ANCHORS TESTING AND INSPECTION**

USE SCANNING EQUIPMENT TO VERIFY MEANS TO LOCATED AND AVOID CUTTING OR DAMAGING REINFORCING BARS. PER 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 AS FOLLOWS IN ACCORDANCE WITH THE FOLLOWING.

1. TEST 10% OF ANCHORS.
2. IF ANY ANCHOR FAILS, TEST ALL ANCHORS OF THE SAME TYPE NOT PREVIOUSLY TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS.
3. FIELD TESTS TO BE TENSILE TESTS OR TORQUE TESTS, AS REQUIRED FOR THE SPECIFIC ANCHOR TYPE.
4. TENSION TESTS: APPLY TEST LOADS WITHOUT REMOVING THE ANCHOR FROM THE FUTURE. TEST LOADS SHALL BE APPLIED TO THE SAME TIGHTNESS AS THE ORIGINAL, NOT USING A TORQUE WRENCH. REACTION LOADS FROM TEST FIXTURE MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED. PROVIDED THE ANCHOR IS NOT REMOVED FROM WITHDRAWING BY THE FIXTURE, TO BE ACCEPTABLE, ANCHOR SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD OBSERVABLE MOVEMENT SHALL BE LESS THAN 0.005 INCHES.
5. TORQUE TESTS: TO BE ACCEPTABLE, THE APPLICABLE TEST TORQUE MUST BE REACHED WITH ONE-HALF TURN OF THE NUT.
6. FIELD TEST RESULTS BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR.
7. TESTS 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

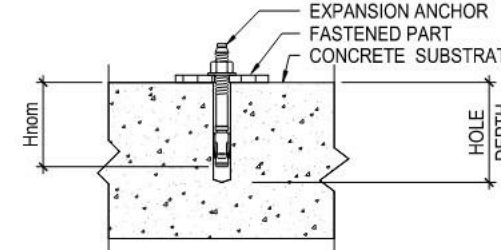
1. ANCHOR EMBEDMENT AND TENSION TEST VALUES BELOW ARE TO BE USED.

\_\_\_\_\_

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

## EXPANSION ANCHORS TESTING

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



HILTI KWIK BOLT TZ2 IN NORMAL WEIGHT CONCRETE ( 3000 PSI MIN)			
ANCHOR DIAMETER	H <sub>nom</sub>	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

1. ANCHOR EMBEDMENT AND TENSION TEST VALUES ARE AS FOLLOWS, UON.

2. TESTING SHALL OCCUR AFTER EPOXY HAS CURED, AS PER MANUFACTURER'S RECOMMENDATIONS. SEE CURRENT ICC ESR.

3. INSTALLATION AND INSPECTION OF EPOXY ANCHORS SHALL COMPLY WITH ACI 318-14 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

NOTE: GATE 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 G90 GALVANIZED, TYP.