

# CAL POLY HUMBOLDT HARRY GRIFFITH HALL

## ROOF REPLACEMENT

1 HARPST ST  
ARCATA, CA

100 % CONSTRUCTION DOCUMENTS  
03.27.2025



# 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

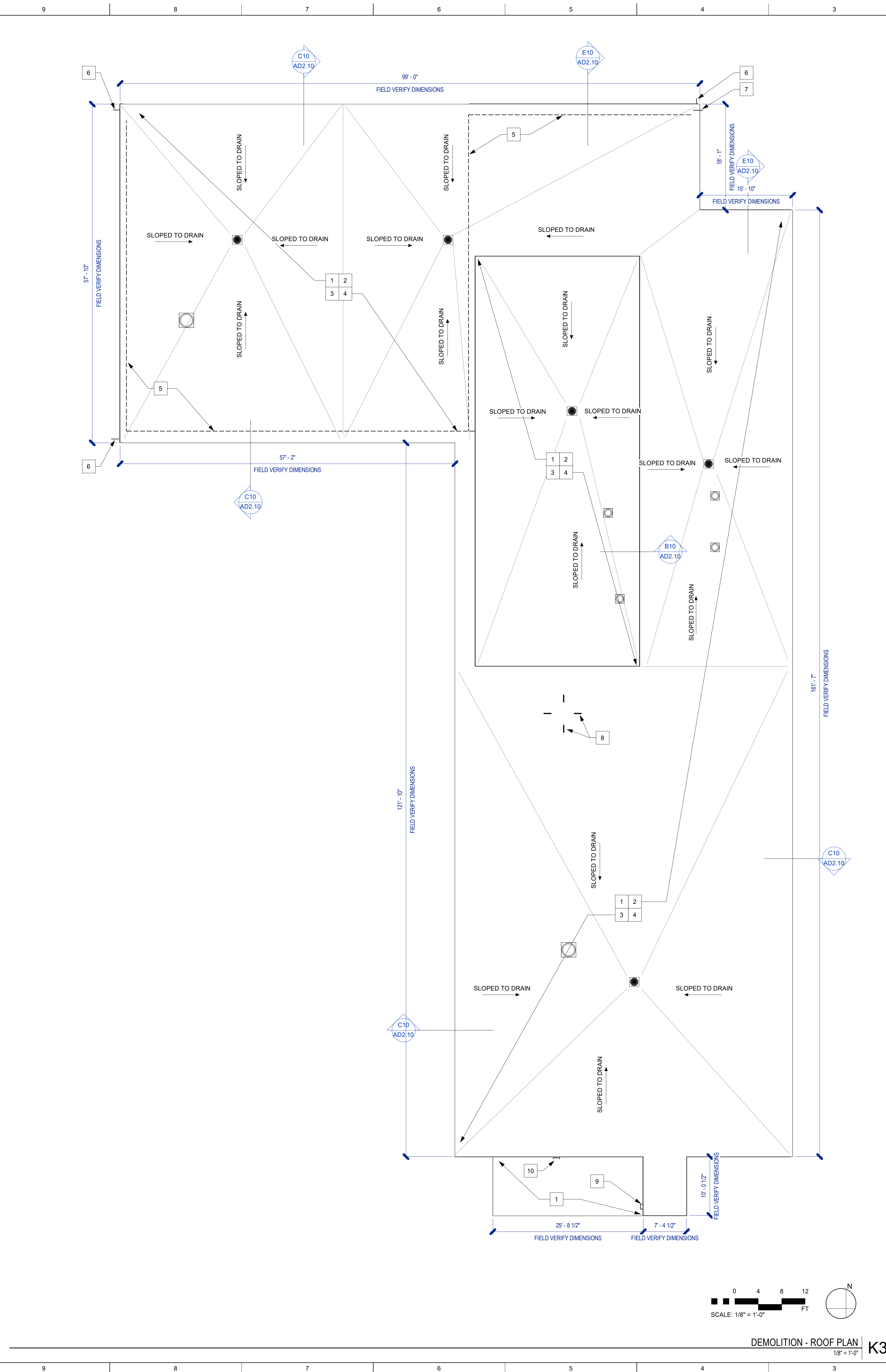
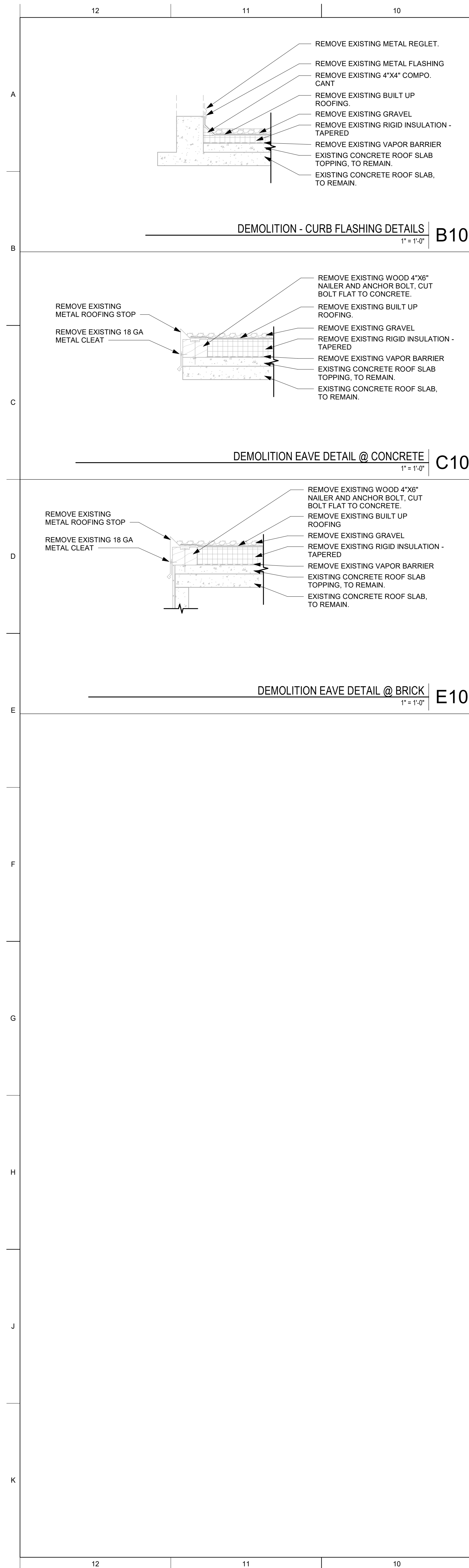
PROJECT NO. 1485-0003



12				11				10				9				8				7				6				5				4				3				2				1																																							
ABBREVIATIONS												DRAFTING & MATERIAL SYMBOLS												PROJECT TEAM												PROJECT INFORMATION																																															
# POUND OR NUMBER												FLOW LINE												OWNER												ARCHITECT												PROJECT NAME:																																			
& AND												NEW CONTOUR												CAL POLY HUMBOLDT												LPAS (SACRAMENTO)												PROJECT LOCATION:																																			
(E) EXISTING												EXISTING CONTOUR												1 HARPST STREET,												723 S STREET, SUIT 150												206 HARPST ST																																			
(N) NEW												CENTERLINE												ARCATA CA, 95521												ARCATA CA, 95811												ARCATA, CA 95521																																			
@ AT												PROPERTY LINE												PH. (707) 826-3646												PH. (916) 443-0335												18-12-03-0001-025																																			
L ANGLE												PROJECTED LINE																																				OCCUPANCY GROUPS AND VARIED USES:												B, A-3, S-1																							
Ø DIAMETER or ROUND												HIDDEN LINE																																				BUILDING CONSTRUCTION TYPE:												2B																							
A.C. ASPHALT CONCRETE												BREAK LINE																																				NUMBER OF STORIES:												2																							
A.C.P. ALUMINUM COMPOSITE PANEL												MATCH LINE																																				OCCUPANT LOAD PER FLOOR:																																			
A.D. AREA DRAIN												CONTRACT LIMIT LINE																																				1ST FLOOR:												167 OCCUPANTS																							
A.F.F. ABOVE FINISH FLOOR												ELEVATION MARK OR DATUM POINT																																				2ND FLOOR:												167 OCCUPANTS																							
A.H.J. AUTHORITY HAVING JURISDICTION												WALL TYPE																																				MECHANICAL PENTHOUSE												6 OCCUPANTS																							
A.L.S. ASSISTED LISTENING SYSTEM												LOCATION USED: T=INTERIOR, E=EXTERIOR																																																																							
ACOUS. ACOUSTICAL												MATERIAL: W=WOOD, S=STEEL																																																																							
ADJ. ADJUSTABLE or ADJACENT												FIRE RATING: 1HR, 2HR, 3HR																																																																							
AGGR. AGGREGATE												IDENTIFIER: NUMBER DESIGNATION																																																																							
ALUM. ALUMINUM												STC RATING																																																																							
APPROX. APPROXIMATELY												REVISION CLOUD WITH DELTA #																																																																							
ARCH. ARCHITECTURAL												GRID LINES																																																																							
ASB. ASBESTOS												NORTH ARROW																																																																							
ASPH. ASPHALT												ROOM NAME AND NUMBER																																																																							
B.O. BOTTOM OF												WINDOW TYPE																																																																							
B.O.D. BASIS OF DESIGN												KEYNOTE																																																																							
BD. BOARD												SPECIFICATION SECTION IDENTIFICATION																																																																							
BITUM. BITUMINOUS												IDENTIFIER: NUMBER DESIGNATION																																																																							
BLDG. BUILDING												SECTION																																																																							
BLK. BLOCK												SECTION IDENTIFICATION																																																																							
BLKG. BLOCKING												SHEET WHERE SECTION IS DRAWN																																																																							
BM. BEAM												DETAIL																																																																							
BOTT. BOTTOM												DETAIL IDENTIFICATION																																																																							
C.B. CATCH BASIN												SHEET WHERE DETAIL IS DRAWN																																																																							
C.B.C. CALIFORNIA BUILDING CODE												INTERIOR ELEVATION																																																																							
C.F.C.I. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED												ELEVATION IDENTIFICATION																																																																							
C.G. CORNER GUARD												SHEET WHERE ELEVATION IS DRAWN																																																																							
C.I. CAST IRON												ALIGN																																																																							
C.I.P. CAST IN PLACE																																																																																			
C.J. CONTROL JOINT																																																																																			
C.L. CENTERLINE																																																																																			
C.O. CASED OPENING																																																																																			
C.W. CURTAIN WALL																																																																																			
CAB. CABINET																																																																																			
CEM. CEMENT																																																																																			
CER. CERAMIC																																																																																			
CLG. CEILING																																																																																			
CLKG. CAULKING																																																																																			
CLO. CLOSET																																																																																			
CLR. CLEAR																																																																																			
CNTR. COUNTER																																																																																			
COL. COLUMN																																																																																			
COMP. COMPOSITE																																																																																			
CONC. CONCRETE																																																																																			
CONF. CONFERENCE																																																																																			
CONN. CONNECTION																																																																																			
CONSTR. CONSTRUCTION																																																																																			
CONT. CONTINUOUS																																																																																			
CORR. CORRIDOR																																																																																			
CTR. CENTER																																																																																			
CTSK. COUNTERSUNK																																																																																			
D.F. DRINKING FOUNTAIN																																																																																			
D.G. DECOMPOSED GRANITE																																																																																			
D.O. DOOR OPENING																																																																																			
D.S. DOWNSPUT																																																																																			
D.S.P. DRY STANDPIPE																																																																																			
DBL. DOUBLE																																																																																			
DEMO. DEMOLISH																																																																																			
DEPT. DEPARTMENT																																																																																			
DET. DETAIL																																																																																			
DIA. DIAMETER																																																																																			
DIM. DIMENSION																																																																																			
DISP. DISPENSER																																																																																			
DN. DOWN																																																																																			
DR. DOOR																																																																																			
DTL. DETAIL																																																																																			
DWG. DRAWING																																																																																			
DWR. DRAWER																																																																																			
E. EAST																																																																																			
E.J. EXPANSION JOINT																																																																																			
E.O.S. EDGE OF SLAB																																																																																			
E.F. ELEC. PANEL																																																																																			
E.W.C. ELEC. WATER COOLER																																																																																			
EA. EACH																																																																																			
EL. ELEVATION																																																																																			
ELEC. ELECTRICAL																																																																																			
ELEV. ELEVATOR																																																																																			
EMER. EMERGENCY																																																																																			
ENCL. ENCLOSURE																																																																																			
EQ. EQUAL																																																																																			
EQPT. EQUIPMENT																																																																																			
EXP. EXPANSION																																																																																			
EXPO. EXPOSED																																																																																			
EXST. EXISTING																																																																																			
EXT. EXTERIOR																																																																																			
F.A. FIRE ALARM																																																																																			
F.B. FLAT BAR																																																																																			
F.D. FLOOR DRAIN																																																																																			
F.E. FIRE EXTINGUISHER																																																																																			
F.E.C. FIRE EXTINGUISHER CABINET																																																																																			
F.F. FINISH FLOOR																																																																																			
F.H.C. FIRE HOSE CABINET																																																																																			
F.O.C. FACE OF CONCRETE																																																																																			
F.O.F. FACE OF FINISH																																																																																			
F.O.M. FACE OF MASONRY																																																																																			
F.O.S. FACE OF STUD																																																																																			
F.S. FIRE SPRINKLER																																																																																			
FDN. FOUNDATION																																																																																			
FIN. FINISH																																																																																			
FL. FLOOR																																																																																			
FLASH. FLASHING																																																																																			
FLUOR. FLUORESCENT																																																																																			
FFRF. FIREPROOF																																																																																			
FRMG. FRAMING																																																																																			
FT. FOOT or FEET																																																																																			
FTG. FOOTING																																																																																			
FURR. FURRING																																																																																			
FUT. FUTURE																																																																																			
G.B. GRAB BAR																																																																																			
G.S.M. GALVANIZED SHEET METAL																																																																																			
GA. GAUGE																																																																																			
GALV. GALVANIZED																																																																																			
GL. GLASS																																																																																			
GND. GROUND																																																																																			
GR. GRADE																																																																																			
GYP. GYPSUM																																																																																			
H.B. HOSE BIB																																																																																			
H.C. HOLLOW CORE																																																																																			
H.M. HOLLOW METAL																																																																																			
HDWD. HARDWOOD																																																																																			
HDWR. HARDWARE																																																																																			
HORIZ. HORIZONTAL																																																																																			
HR. HOUR																																																																																			
HT. HEIGHT																																																																																			
I.D. INSIDE DIAMETER																																																																																			
I.S.A. INTERNATIONAL SYMBOL OF ACCESSIBILITY																																																																																			
INSUL. INSULATION																																																																																			
INT. INTERIOR																																																																																			
JAN. JANITOR																																																																																			
JT. JOINT																																																																																			
K.D. KNOCK DOWN																																																																																			

12												11												10												9												8												7												6												5												4												3												2												1											
PROJECT INFORMATION												APPLICABLE CODES												PROJECT DESCRIPTION												SHEET INDEX												VICINITY MAP												GENERAL INFORMATION																																																																																			
PROJECT NAME: CAL POLY HUMBOLDT HARRY GRIFFITH HALL												2022 CALIFORNIA BUILDING CODE												THE PROJECT INCLUDES THE DEMOLITION OF THE EXISTING ROOFING, INSULATION AND ALL ROOFING MATERIALS BACK TO THE CONCRETE DECK. MECHANICAL EQUIPMENT SHALL BE REMOVED TO ALLOW FOR THE INSTALLATION OF ROOF TERMINATIONS AND THEN RE-INSTALLED, INCLUDING ALL ELECTRICAL CONNECTIONS AND CONTROLS. INSTALLATION OF NEW TAPERED LIGHTWEIGHT INSULATING CONCRETE, ROOF MEMBRANE, VARIOUS ROOF FLASHINGS AND TERMINATIONS, ROOF GUARDRAIL AND GATE. EXISTING ROOF DRAINS TO BE REMOVED AND REINSTALLED.												NO. ISSUE DATE												PROJECT NO: 1485-0003																																																																																															
PROJECT LOCATION: 206 HARPST ST, ARCATA, CA 95521												2022 CALIFORNIA ELECTRICAL CODE												INSULATION AND ALL ROOFING MATERIALS BACK TO THE CONCRETE DECK. MECHANICAL EQUIPMENT SHALL BE REMOVED TO ALLOW FOR THE INSTALLATION OF ROOF TERMINATIONS AND THEN RE-INSTALLED, INCLUDING ALL ELECTRICAL CONNECTIONS AND CONTROLS. INSTALLATION OF NEW TAPERED LIGHTWEIGHT INSULATING CONCRETE, ROOF MEMBRANE, VARIOUS ROOF FLASHINGS AND TERMINATIONS, ROOF GUARDRAIL AND GATE. EXISTING ROOF DRAINS TO BE REMOVED AND REINSTALLED.												ARCHITECT'S STAMP												DATE: 03.27.2025																																																																																															
CSFM #: 18-12-03-0001-025												2022 CALIFORNIA ENERGY CODE												GENERAL												APPROVAL																																																																																																											
OCCUPANCY GROUPS AND VARIED USES: B, A-3, S-1												2022 CALIFORNIA GREEN BUILDING STANDARDS CODE												G0.00 COVER SHEET																																																																																																																							
BUILDING CONSTRUCTION TYPE: 2B																								G0.02 GENERAL INFORMATION																																																																																																																							
NUMBER OF STORIES: 2																								ARCHITECTURAL - DEMOLITION																																																																																																																							
OCCUPANT LOAD PER FLOOR:																								AD2.10 DEMOLITION ROOF PLAN																																																																																																																							
1ST FLOOR: 167 OCCUPANTS																								ARCHITECTURAL																																																																																																																							
2ND FLOOR: 167 OCCUPANTS																								A1.00 SITE LOGISTICS AND SAFETY PLAN																																																																																																																							
MECHANICAL PENTHOUSE: 6 OCCUPANTS																								A2.10 OVERALL ROOF PLANS																																																																																																																							
OCCUPANT LOAD FOR BUILDING: 340 OCCUPANTS																								A3.10 EXTERIOR ELEVATIONS																																																																																																																							
																								A8.10 ROOF DETAILS																																																																																																																							
																								A8.11 RAILING DETAILS																																																																																																																							
YEAR BUILDING WAS CONSTRUCTED: 1960																																																																																																																																															
HIGH FIRE HAZARD SEVERITY ZONE: NO																																																																																																																																															
SEISMIC JOINTS AND LOCATIONS: NO																																																																																																																																															
EMERGENCY RESPONDER RATIO COVERAGE: NO																																																																																																																																															
ZONING DISTRICT: LOT AREA:																																																																																																																																															
PROPOSED ROOFING SYSTEM IS A CLASS A ASSEMBLY.																																																																																																																																															





2		1	
DEMOLITION ROOF PLAN LEGEND			
<div><div><div></div><div></div></div>EXISTING WALL OR OBJECT TO REMAIN</div> <div><div><div></div><div></div></div>EXISTING WALL OR OBJECT TO BE DEMOLISHED</div> <div><div><div></div><div></div></div>EXISTING ROOF DRAIN</div> <div><div><div></div><div></div></div>EXISTING EXHAUST FAN</div>			
DEMOLITION ROOF PLAN KEYNOTE LEGEND			
<div><div><div>1</div><div>EXISTING GRAVEL, BUILT UP ROOFING, RIGID INSULATION, VAPOR BARRIER AND FLASHING TO BE REMOVED, TYP OF ENTIRE BUILDING</div></div><div><div>2</div><div>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.</div></div><div><div>3</div><div>EXISTING VENT FLASHING TO BE REMOVED, TYP OF ALL VENTS. REFER TO OWNER PROVIDED HAZARDOUS MATERIALS REPORT FOR ADDITIONAL INFORMATION.</div></div><div><div>4</div><div>EXISTING "CAST IN PLACE" ROOF DRAIN TO BE REMOVED. TYP OF ALL DRAINS</div></div><div><div>5</div><div>EXISTING CONDUIT AND SLEEPERS TO BE REMOVED.</div></div><div><div>6</div><div>EXISTING CAMERA AND MOUNT REMOVED. SALVAGE FOR REINSTALLATION IS SAME LOCATION</div></div><div><div>7</div><div>EXISTING SIREN AND MOUNTING BRACKETS BE REMOVED. TYP OF 3.</div></div><div><div>8</div><div>EXISTING BASEPLATES MOUNTING BRACKETS BE REMOVED DOWN TO CONCRETE SLAB. TYP OF 4.</div></div><div><div>9</div><div>EXISTING SCUPPER AND DOWNSPOUT BE REMOVED.</div></div><div><div>10</div><div>EXISTING WALL MOUNTED ROOF DRAIN TO REMAIN.</div></div></div>			
2		1	

GOVMOTUS NUMBER -- XXXXXXXXXXXXX

LPAS

**Architecture + Design**

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916.443.0335 ph

10 Clay Street Suite 250 Oakland CA 94607  
415.213.0335 ph

LPAS.com

CAL POLY HUMBOLDT HARRY  
GRIFFITH HALL  
ROOF REPLACEMENT

1 HARPST ST  
ARCATA, CA

NO.	ISSUE	DATE
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CONSULTANT

## DEMOLITION ROOF PLAN

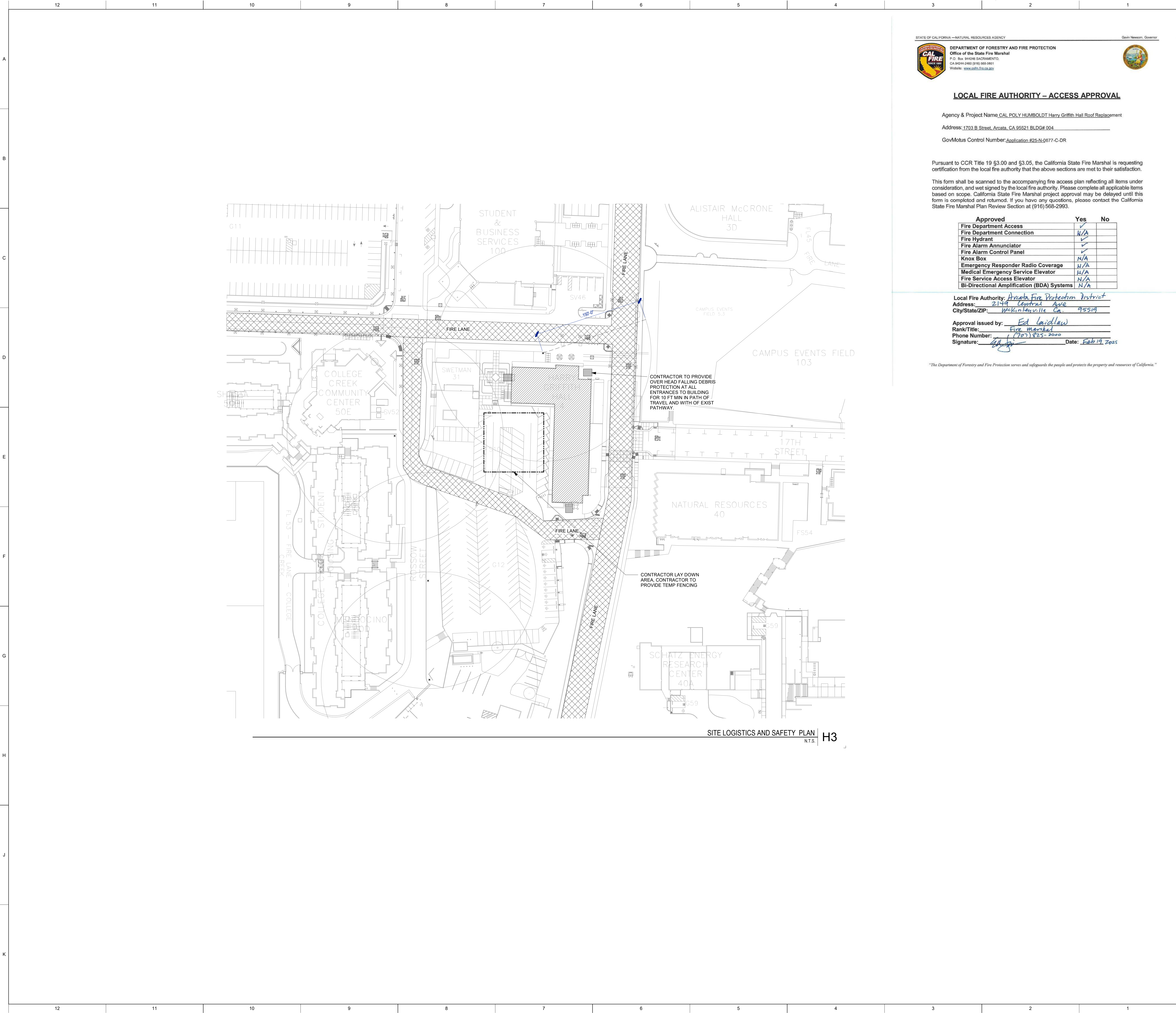
PROJECT NO: 1485-0003  
DATE: 03.27.2025

SHEET NO:


## AD2.10

100 % CONSTRUCTION DOCUMENTS






STATE OF CALIFORNIA —NATURAL RESOURCES AGENCY



DEPARTMENT OF FORESTRY AND FIRE PROTECTION  
Office of the State Fire Marshal  
P.O. Box 94086 SACRAMENTO,  
CA 94294-2460 (916) 565-3651  
Website: [www.calfire.ca.gov](http://www.calfire.ca.gov)



Gov'n Newsom, Governor

LOCAL FIRE AUTHORITY – ACCESS APPROVAL

Agency & Project Name CAL POLY HUMBOLDT Harry Griffith Hall Roof Replacement  
Address: 1703 B Street, Arcata, CA 95521 BLDG# 004  
GovMotus Control Number: Application #25-N-0677-C-DR

Pursuant to CCR Title 19 §3.00 and §3.05, the California State Fire Marshal is requesting certification from the local fire authority that the above sections are met to their satisfaction.

This form shall be scanned to the accompanying fire access plan reflecting all items under consideration, and wet signed by the local fire authority. Please complete all applicable items based on scope. California State Fire Marshal project approval may be delayed until this form is completed and returned. If you have any questions, please contact the California State Fire Marshal Plan Review Section at (916)568-2993.

Approved	Yes	No
Fire Department Access	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire Department Connection	<u>N/A</u>	<input type="checkbox"/>
Fire Hydrant	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire Alarm Annunciator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire Alarm Control Panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Knox Box	<u>N/A</u>	<input type="checkbox"/>
Emergency Responder Radio Coverage	<u>N/A</u>	<input type="checkbox"/>
Medical Emergency Service Elevator	<u>N/A</u>	<input type="checkbox"/>
Fire Service Access Elevator	<u>N/A</u>	<input type="checkbox"/>
Bi-Directional Amplification (BDA) Systems	<u>N/A</u>	<input type="checkbox"/>

Local Fire Authority: Arcata Fire Protection District  
Address: 2149 Central Ave  
City/State/ZIP: Orlandville Ca 95519

Approval issued by: Ed Laidlaw  
Rank/Title: Fire Marshal  
Phone Number: (707) 825-2000  
Signature: [Signature] Date: Feb 19, 2025

"The Department of Forestry and Fire Protection serves and safeguards the people and protects the property and resources of California."

GOVMOTUS NUMBER -- XXXXXXXXXX

LPAS

Architecture + Design

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CAL POLY HUMBOLDT HARRY GRIFFITH HALL  
ROOF REPLACEMENT

1 HARPST ST  
ARCATA, CA

NO. ISSUE DATE

ARCHITECT'S STAMP

APPROVAL

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CONSULTANT

SITE LOGISTICS AND SAFETY PLAN

PROJECT NO: 1485-0003

DATE: 03.27.2025

SHEET NO:

A1.00

100 % CONSTRUCTION DOCUMENTS





CAL POLY HUMBOLDT HARRY  
GRIFFITH HALL  
ROOF REPLACEMENT

NO.	ISSUE	DATE
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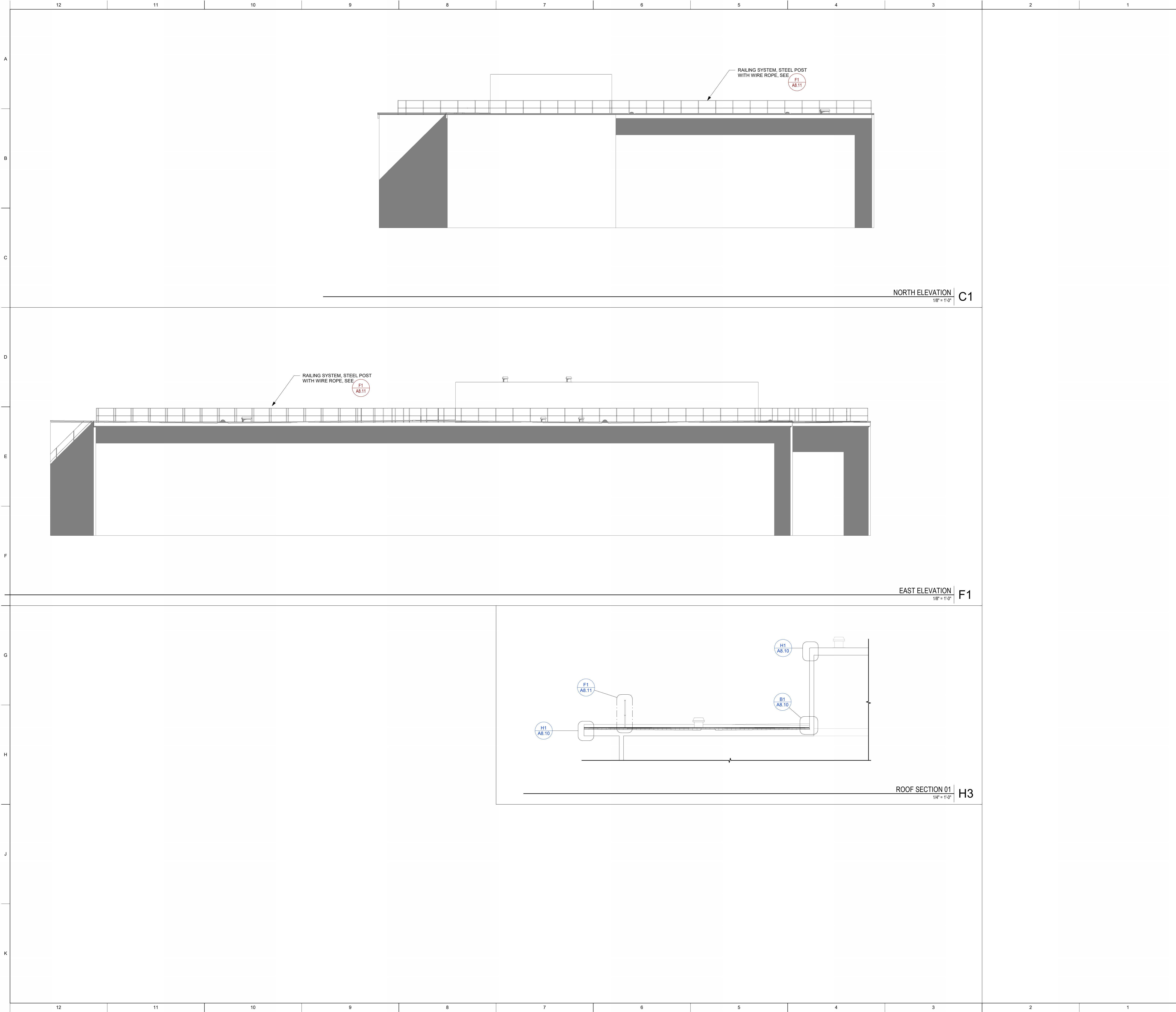
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## OVERALL ROOF PLANS

SHEET NO:

**A2.10**



GOVMOTUS NUMBER -- XXXXXXXXXX

LPAS

Architecture + Design

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CAL POLY HUMBOLDT HARRY GRIFFITH HALL

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1 HARPST ST  
ARCATA, CA

NO. ISSUE DATE



ARCHITECT'S STAMP APPROVAL

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CONSULTANT

EXTERIOR ELEVATIONS

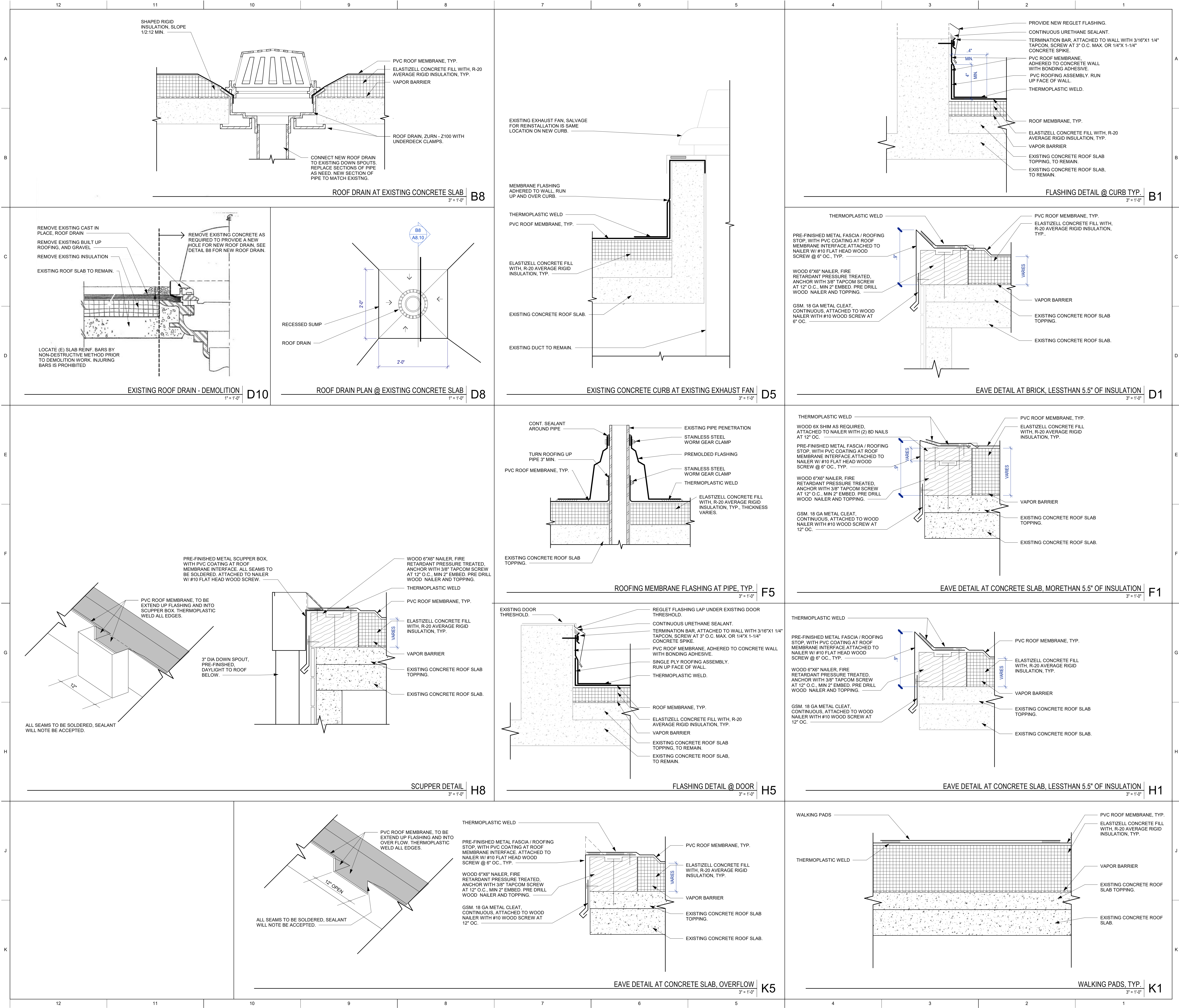
PROJECT NO: 1485-0003

DATE: 03.27.2025

SHEET NO:

A3.10





GOVMOTUS NUMBER -- XXXXXXXXXX

LPAS

Architecture + Design

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916.443.0335 ph

10 Clay Street Suite 250 Oakland CA 94607  
415.213.0335 ph

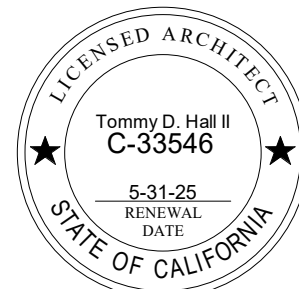
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CAL POLY HUMBOLDT HARRY GRIFFITH HALL

ROOF REPLACEMENT

1 HARPST ST  
ARCATA, CA

NO. ISSUE DATE



ARCHITECT'S STAMP APPROVAL

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CONSULTANT

ROOF DETAILS

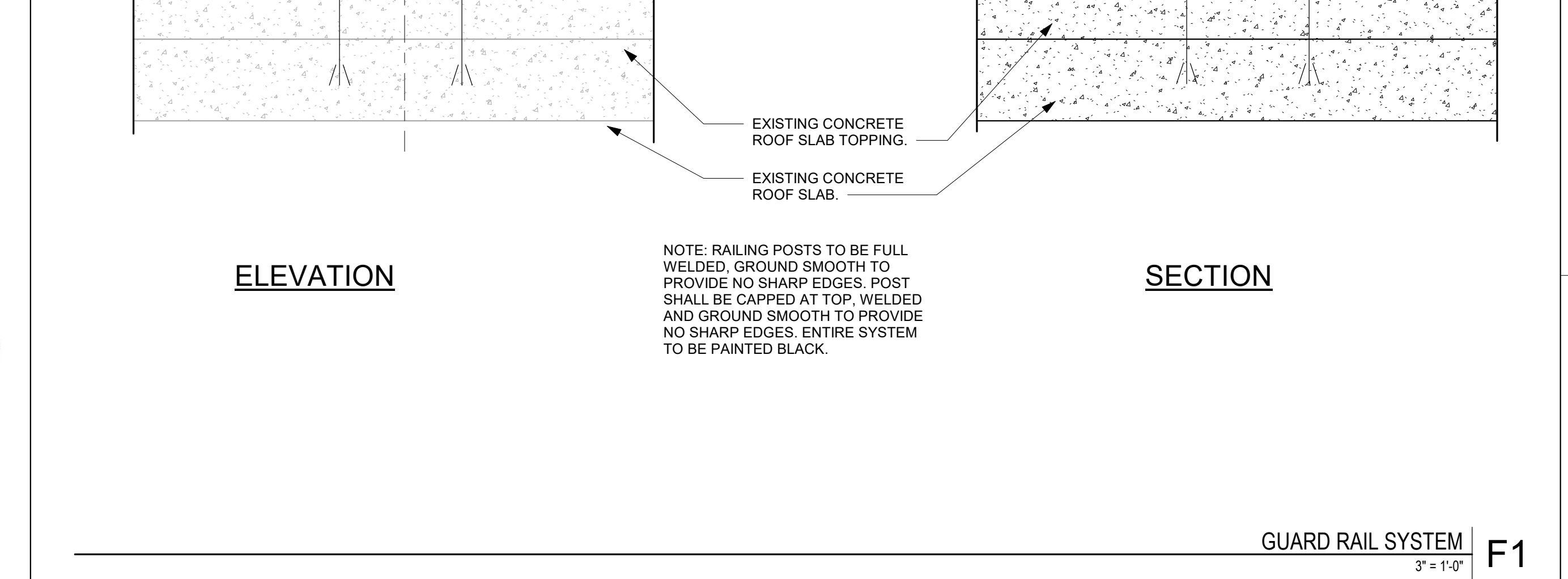
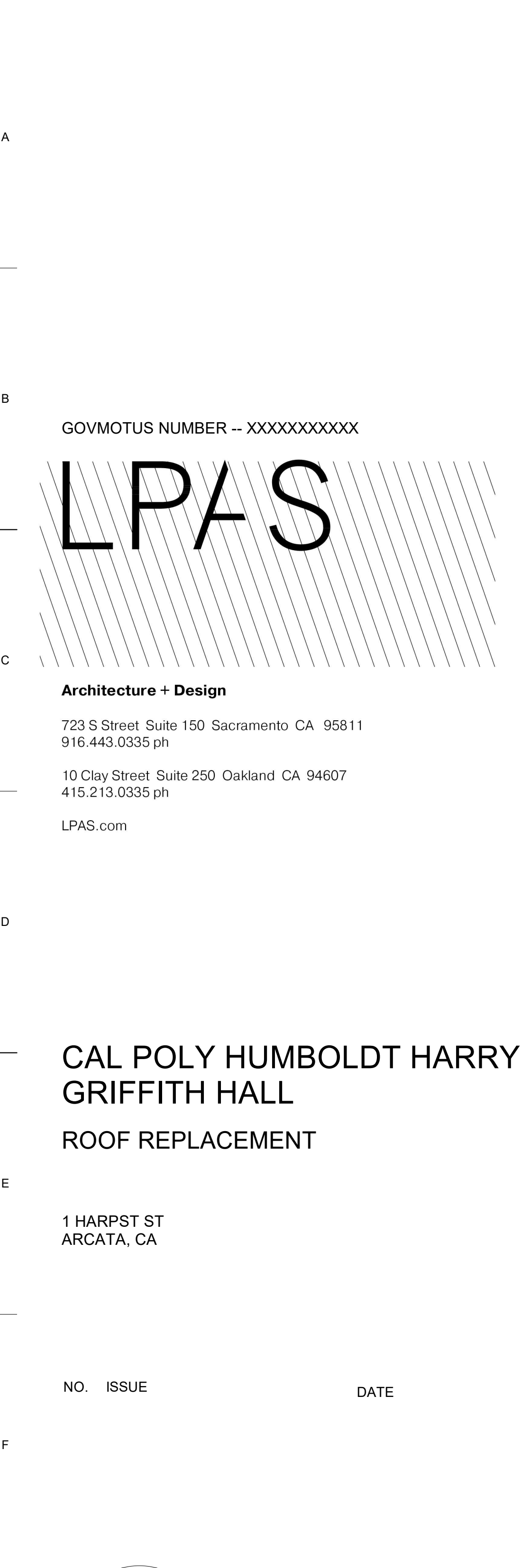
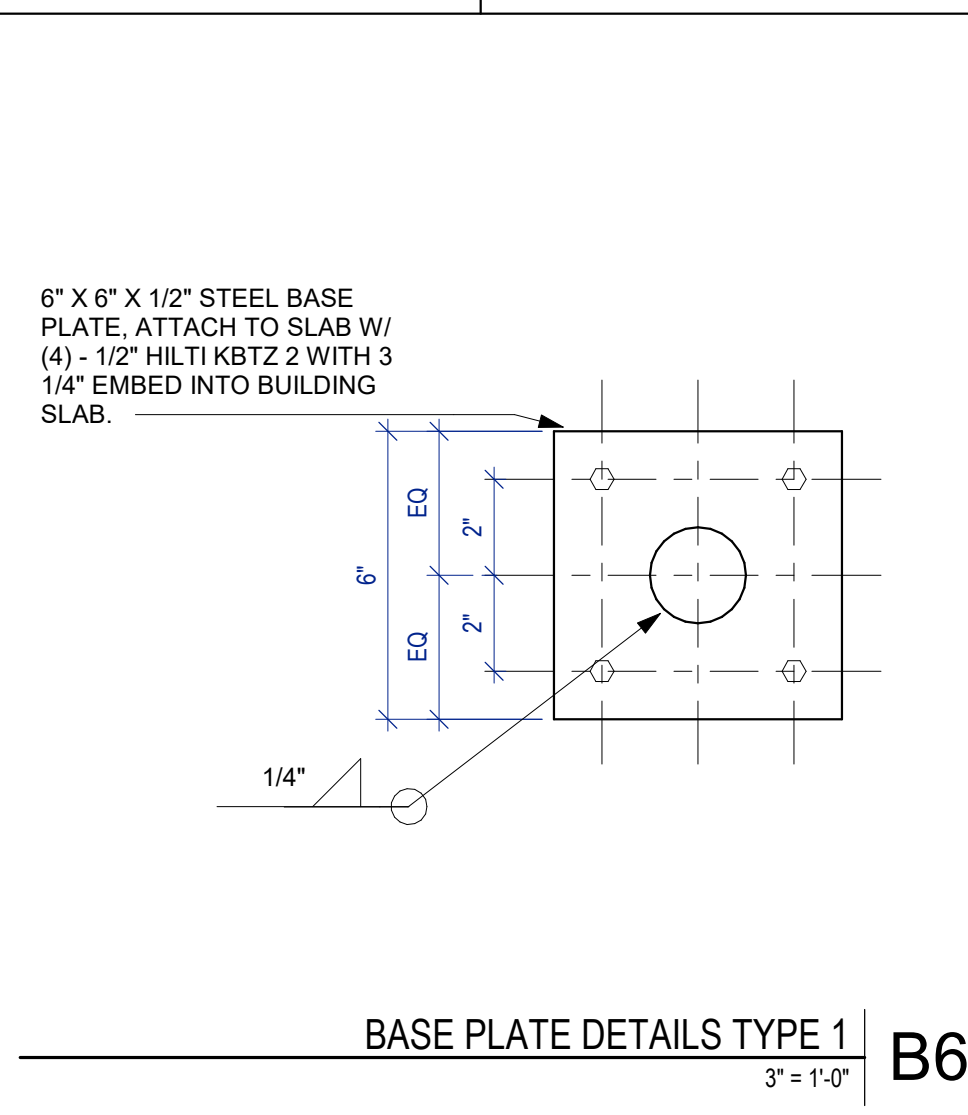
PROJECT NO: 1485-0003

DATE: 03.27.2025

SHEET NO:

A8.10





### CONCRETE SCREW ANCHORS TESTING

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

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

HLTI 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-4268 FOR FURTHER INFORMATION.

HLTI KWIK BOLT T22Z 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 FOLLOWING MANUFACTURER'S RECOMMENDATIONS. SEE CURRENT ICC ESR.
- 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

