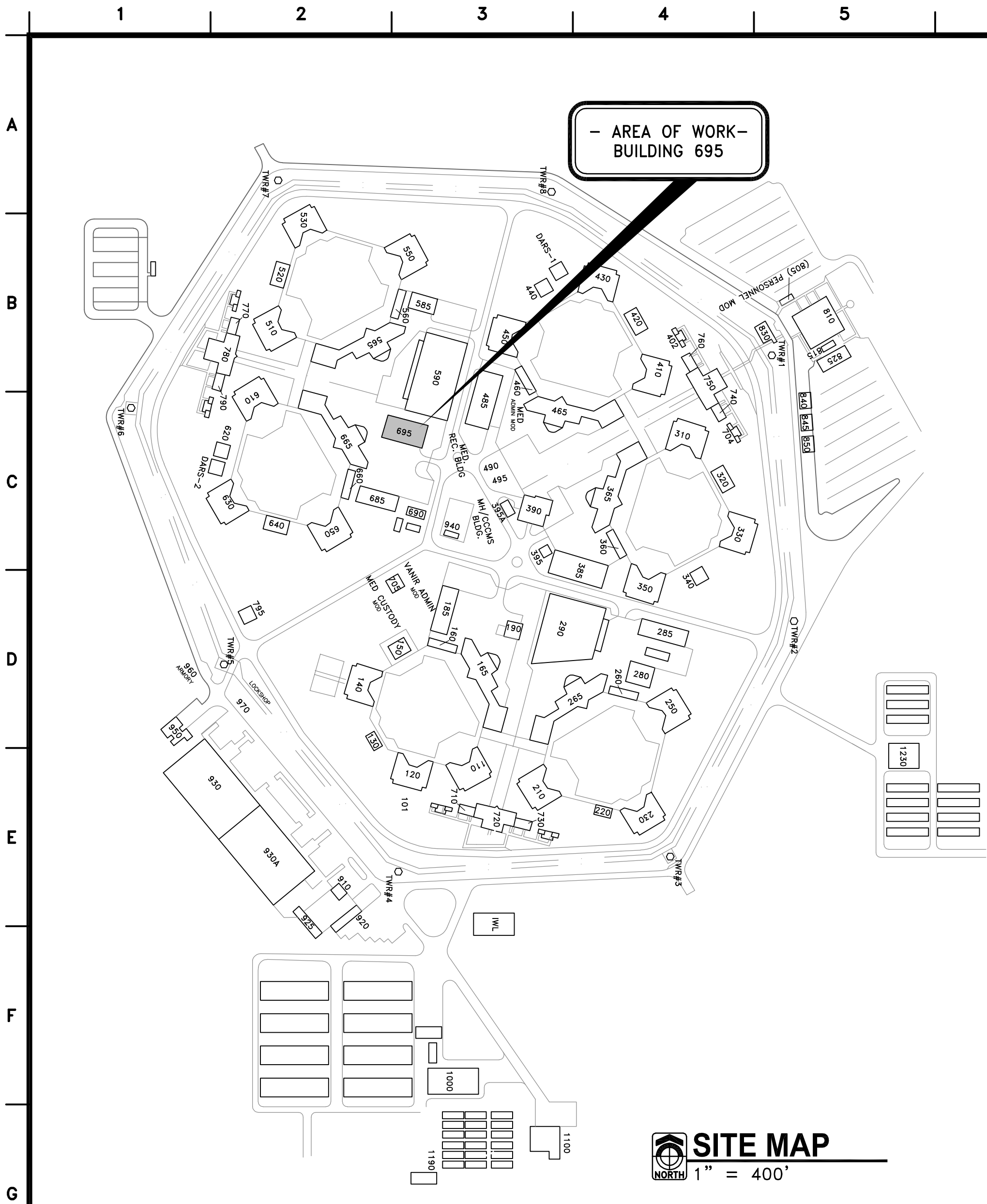


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FACILITY F - BLDG 695 - CENTRAL LAUNDRY

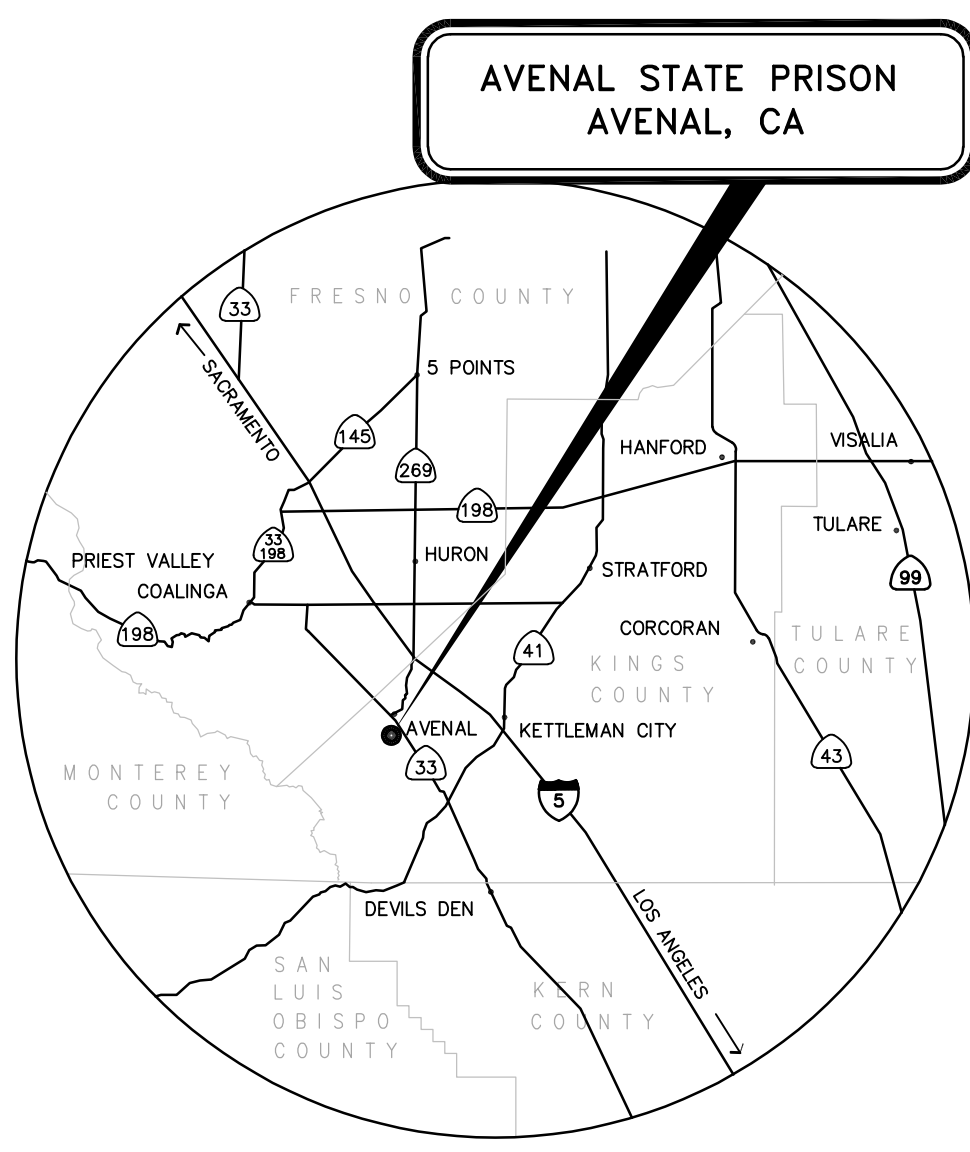
REPLACE TWO AHU & REPAIR METAL ROOF

PHASE 1

AVENAL STATE PRISON

1 KINGS WAY, AVENAL, CALIFORNIA

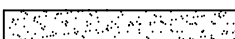
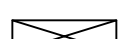
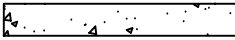
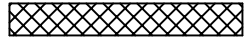
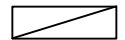
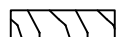
OWNER AND OCCUPANT: CALIFORNIA DEPARTMENT OF CORRECTIONS AND REHABILITATION



VICINITY MAP
NTS

DRAWING INDEX		
ORDER	SHEET #	SHEET NAME
0001	G-0.1	TITLE SHEET
0002	A-1.2	CEILING PLANS
0003	A-1.3	ROOF PLANS
0004	S-2.1	ROOF FRAMING PLAN

MATERIAL DESIGNATION

H		GYPSUM BOARD		BATT INSULATION		WOOD FRAMING (CONT.)
		CONCRETE		RIGID INSULATION		WOOD BLOCKING
		CONCRETE BLOCK	 — METAL			FINISH WOOD

ABBREVIATIONS

J	AB AFF AL ARCH(L) AC	ANCHOR BOLT ABOVE FINISH FLOOR ALUMINUM ARCHITECT(URAL) ASPHALT CONCRETE	EXH EXIST(G) EXP	EXHAUST EXISTING (SEE (E)) EXPANSION	MAX MB MECH MEM MO MTL MFR	MAXIMUM MACHINE BOLT MECHANICAL MEMBRANE MASONRY OPENING METAL MANUFACTURER	SCHED SHT SIM SM SPECS SQ SS STD STL STRUCT SUSP SYM	SCHEDULE SHEET SIMILAR SHEET METAL SPECIFICATIONS SQUARE STAINLESS STEEL STANDARD STEEL STRUCTURAL SUSPENDED SYMMETRICAL
K	BD BLDG BLK BLKG BM BOT BUR	BOARD BUILDING BLOCK BLOCKING BEAM BOTTOM BUILT-UP ROOFING	FB FD FDN FE FIN FLR FOC FOF FOM FOS FRAM'G FT FTG FUR	FLAT BAR FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FINISH FLOOR FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FACE OF STUD FRAMING FOOT OR FEET FOOTING FURRING	N (N) NA NIC NO NTS	NORTH NEW NOT APPLICABLE NOT IN CONTRACT NUMBER NOT TO SCALE	T&B TC THRU TW TYP	TOP AND BOTTOM TOP OF CURB OR CONCRETE THROUGH TOP OF WALL TYPICAL
	CEM CJ CLG CLKG CMU	CEMENT CONTROL JOINT CEILING CAULKING CONCRETE MASONRY UNIT	GA GALV GI GR GSM GYP	GAUGE GALVANIZED GALVANIZED IRON GRADE GALVANIZED SHEET METAL GYPSUM	O/ OC OD OPNG OPP	OVER ON CENTER OUTSIDE DIAMETER OPENING OPPOSITE	UON UR VERT	UNLESS OTHERWISE NOTED URINAL VERTICAL
L	DBL DET DF DIA DIAG DIM DR DWG DS	DOUBLE DETAIL DOUGLAS FIR DIAMETER DIAGONAL DIMENSION DOOR DRAWING DOWNSPOUT	HB HC HDR HM HT	HOSE BIB HOLLOW CORE HEADER HOLLOW METAL HEIGHT	PL PLAS PLYWD PMF PR PVC	PLATE PLASTER PLYWOOD PRESSED METAL FRAME PAIR POLYVINYL CHLORIDE	W W/ W/O WG WH WP	WEST WITHOUT WITH WIRE GLASS WATER HEATER WEATHERPROOF OR WATERPROOF
	E (E) EJ ELECT EQ EL	EAST EXISTING EACH EXPANSION JOINT ELECTRICAL EQUIP ELEVATION	ID IN INSUL INV	INSIDE DIAMETER INCH OR INCHES INSULATION INVERT	R RA RDWD RD REG REINF REQ'D RWL	RISER RETURN AIR REDWOOD ROOF DRAIN REGISTER REINFORCE(D)(ING) REQUIRED RAIN WATER LEADER	WWM WC YD	WELDED WIRE MESH WATER CLOSET YARD
M			JST JT	JOIST JOINT	SC	SOUTH SOLID CORE	±	PLUS/MINUS

SYMBOLS	
	COLUMN TAG
	DOOR TAG
	INSTALLATION SIDE OF GLAZING STOP
	WINDOW TAG
	PARTITION TYPE
	DETAIL NUMBER
	SHEET NUMBER
	DETAIL NUMBER
	SHEET NUMBER
	DIRECTION OF VIEW
	DETAIL NUMBER
	SHEET NUMBER
	ROOM NAME
	ROOM NUMBER
	FINISHES
	CEILING WALLS BASE FLOOR

GENERAL NOTES

- THE BUILDER SHALL VERIFY THAT THE EXISTING SYSTEM OR COMPONENTS IMPACTING THIS NEW WORK ARE ENABLED, OPERATIONAL AND FUNCTIONING PROPERLY BEFORE COMMENCING WITH NEW WORK. THE INSTITUTION IS RESPONSIBLE FOR MAINTAINING THE SYSTEM IN ORIGINAL WORKING CONDITION TO ACCOMMODATE THIS NEW WORK.
- DETAILS MARKED TYPICAL SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY DETAILED OTHERWISE. WHERE NO DETAIL IS SHOWN CONSTRUCTION SHALL BE AS SHOWN FOR OTHER SIMILAR WORK.
- THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE BUILDER SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND SAFETY OF THE WORKERS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO, BRACING, SHORING, FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC.
- PROVIDE CONSTRUCTION BARRIERS TO PROTECT PERSONNEL.
- REPAIR ALL EXISTING SURFACES DAMAGED TO ACCOMMODATE NEW CONSTRUCTION.
- HAZARDOUS MATERIALS TO BE IDENTIFIED AND, IF REQUIRED, ABATED IN THE AREAS AFFECTED BY THIS CONSTRUCTION. PRIOR TO THE BUILDER BEGINNING HIS WORK, THE IDENTIFICATION AND ABATEMENT TO BE PERFORMED BY THE ENVIRONMENTAL COMPLIANCE UNIT; CONTACT GREGOR LARABEE AT (916) 255-2162.
- APPLICABLE REGULATIONS: CALIFORNIA DEPARTMENT OF CORRECTIONS AND REHABILITATION (CDCR) DESIGN CRITERIA GUIDELINES (DCG).
- PROVIDE SAFEGUARDS FOR CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS TO PROVIDE REASONABLE SAFETY TO LIFE AND PROPERTY FROM FIRE DURING SUCH OPERATIONS PER COMPLIANCE WITH "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" IN ACCORDANCE WITH 2019 CALIFORNIA FIRE CODE (CFC) CHAPTER 33. TITLE 19, DIVISION 1, CALIFORNIA CODE OF REGULATIONS (CCR).

BUILDING DATA: BLDG 695 CENTRAL LAUNDRY			
NON-STRUCTURAL PROVISIONS		ORIGINAL CODE 1979 UBC	CURRENT CODE 2022 CBC
1. OCCUPANCY GROUPS AND VARIED USES		B-2	F-1
2. BUILDING CONSTRUCTION TYPE		II-N	II-B
3. NUMBER OF STORIES		1	NO CHANGE
4. ACTUAL BUILDING HEIGHT		15'-8"	NO CHANGE
5. BUILDING AREA IN SQUARE FEET		16,800	NO CHANGE
6. AREA OF PROJECT IN SQUARE FEET		---	N/A
7. SEPARATED, NON-SEPARATED, ACCESSORY USE		---	N/A
8. ALLOWABLE AREA		18,000	N/A
9. AREA INCREASE		---	N/A
10. HEIGHT INCREASE		---	N/A
11. FIRE SPRINKLERS (TYPE)		NO	NO
12. FIRE ALARM (TYPE)		NO	YES
13. OTHER FIRE PROTECTION SYSTEM (TYPE)		---	---
14. SMOKE CONTROL SYSTEM (Y/N)		NO	NO
15. OCCUPANT LOAD (ENTIRE BUILDING)		---	NO CHANGE
16. OCCUPANT LOAD FOR EACH FLOOR		---	N/A
17. YEAR BUILDING WAS CONSTRUCTED		1986	1986
18. HIGH FIRE HAZARD ZONE (Y/N)		NO	NO
19. SEISMIC JOINTS AND LOCATION (Y/N)		NO	NO
20. EMERGENCY RESPONDER RADIO COVERAGE (Y/N)		---	---
BUILDING DATA NOTES:			

SCOPE OF WORK	
THE SCOPE OF WORK FOR THIS PROJECT IS SPLIT INTO (2) PHASES AS FOLLOWS:	
CURRENT PHASE 1	
1. DEMO EXISTING ABANDONED ROOFTOP HVAC UNIT SUPPORT STEEL PLATFORM AND ASSOCIATED WOOD SHORING.	
2. REPAIR WATER DAMAGE CAUSED BY CONDENSATE LINES FROM BOTH ROOFTOP HVAC UNITS.	
3. WATER DAMAGE REPAIR INCLUDES ALL SHEET ROOFING, UNDER-DECK INSULATION, SUPPORTING STRUCTURAL STEEL, FASCIA PANELS, AND GUTTERS, THAT OCCUR DOWNSTREAM OF ROOFTOP HVAC UNIT CONDENSATE LINES.	
FUTURE PHASE 2	
1. REMOVE EXISTING ROOF MOUNTED AIR HANDLING UNIT AND ITS SUPPORTING STEEL PLATFORM.	
2. REPAIR ROOF, IT'S SUPPORTS, AND ASSOCIATED ELEMENTS DAMAGED DUE TO WATER INTRUSION.	
3. INSTALL NEW GROUND MOUNTED AIR HANDLING UNITS ON CONCRETE HOUSEKEEPING PADS.	
4. INSTALL NEW DUCTWORK TO INTERCEPT EXISTING DUCTWORK INSIDE THE BUILDING.	
5. INSTALL ASSOCIATED ELECTRICAL AND PIPING AS REQUIRED FOR COMPLETE INSTALLATION.	
6. INSTALL SECURITY FENCING IF REQUIRED TO PROTECT NEW MECHANICAL UNITS.	
ACCESS COMPLIANCE NOTES	
THE SCOPE OF WORK FOR THIS PROJECT INVOLVES ONLY REPAIR WORK DEFINED IN CBC CHAPTER 2 FOR THE PURPOSE OF ITS MAINTENANCE OR TO CORRECT DAMAGE NOT AFFECTING THE USABILITY OF THE ROOMS OR BUILDING. AS SUCH, PATH OF TRAVEL ALTERATIONS ARE NOT REQUIRED.	
TRACKING NUMBER: _____ DATE: _____	
FIRE / LIFE-SAFETY NOTES	
THE SCOPE OF WORK FOR THIS PROJECT INVOLVES ONLY REPAIR WORK DEFINED IN CBC CHAPTER 2 FOR THE PURPOSE OF ITS MAINTENANCE OR TO CORRECT DAMAGE NOT AFFECTING THE USABILITY OF THE ROOMS OR BUILDING. AS SUCH, PATH OF TRAVEL ALTERATIONS ARE NOT REQUIRED.	
APPLICABLE CODES	
APPLICABLE CODES AS OF JANUARY 1, 2023:	
CALIFORNIA CODE OF REGULATIONS (CCR):	
TITLE 24 - BUILDING STANDARDS CODE	
PART 1 - 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)	
PART 2 - 2022 CALIFORNIA BUILDING CODE (CBC)	
PART 3 - 2022 CALIFORNIA ELECTRICAL CODE (CEC)	
PART 4 - 2022 CALIFORNIA MECHANICAL CODE (CMC)	
PART 5 - 2022 CALIFORNIA PLUMBING CODE (CPC)	
PART 6 - 2022 CALIFORNIA ENERGY CODE (CEC)	
PART 8 - 2022 CALIFORNIA HISTORICAL BUILDING CODE (CHBC)	
PART 9 - 2022 CALIFORNIA FIRE CODE (CFC)	
PART 10 - 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC)	
PART 11 - 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSC)	
PART 12 - 2022 CALIFORNIA REFERENCE STANDARDS CODE (CRSC)	
TITLE 19 - PUBLIC SAFETY	
DIVISION 1 STATE FIRE MARSHAL	
APPLICABLE STANDARDS	
1. CDCR 2022 DESIGN CRITERIA GUIDELINES (DCG).	
2. 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.	
OSFM DEFERRED SUBMITTAL	
• NONE	

CDCR
CALIFORNIA DEPARTMENT OF
CORRECTIONS AND REHABILITATION
ARCHITECTURE & ENGINEERING

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY

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CALIFORNIA DEPARTMENT OF
CORRECTIONS AND REHABILITATION
ACCESS COMPLIANCE REVIEW

CASp-491
#1315 11/14/23

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Vera Lynch
Senior Structural Engineer

Chris Rippel
Supervising Civil Engineer

TITLE SHEET

REPLACE TWO AHU & REPAIR METAL ROOF - BLDG 695 - PH 1

AVENAL STATE PRISON (ASP)
1 KINGS WAY
AVENAL, CA 93204

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REVISIONS

REV.	DATE	DESCRIPTION

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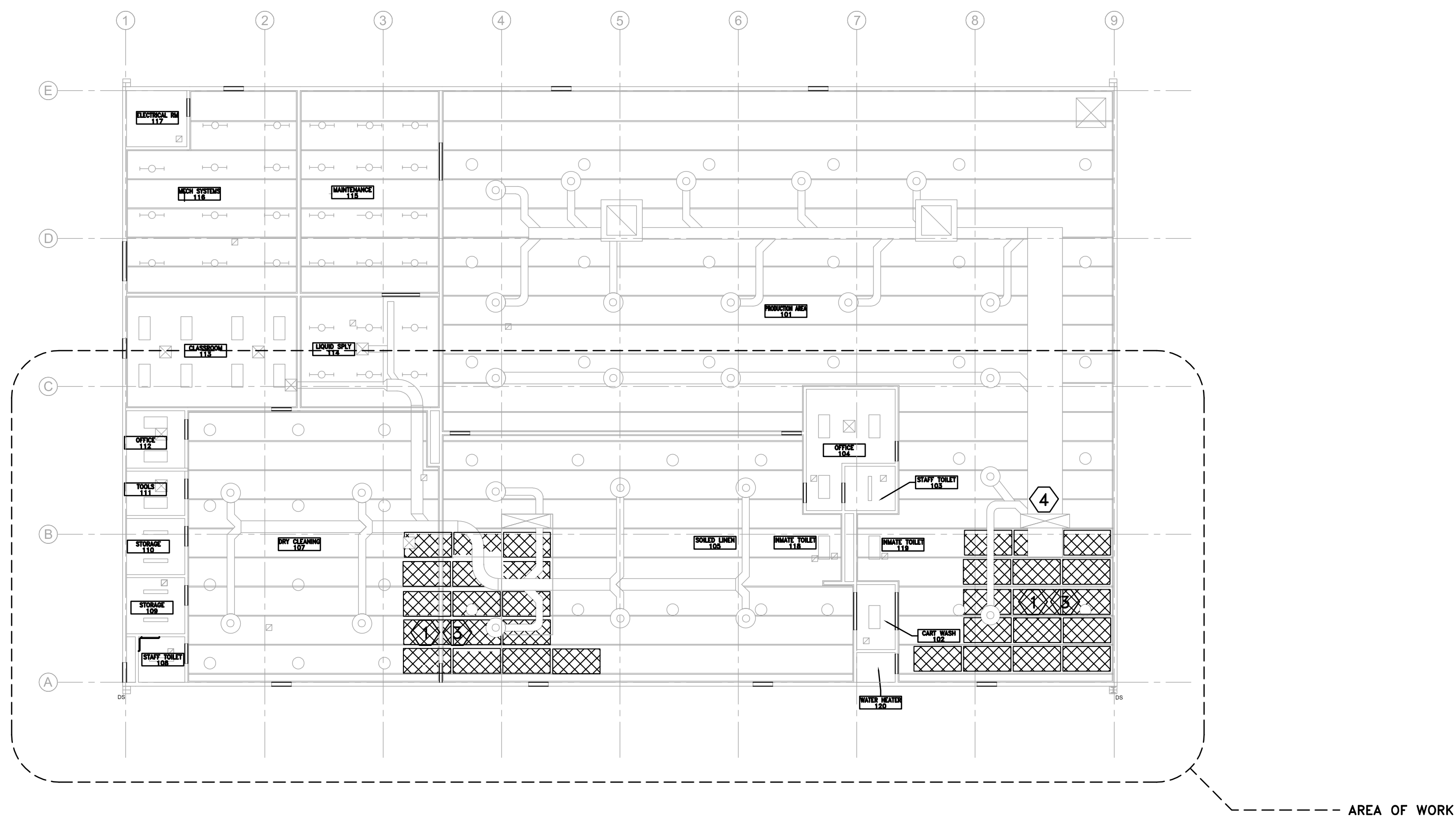
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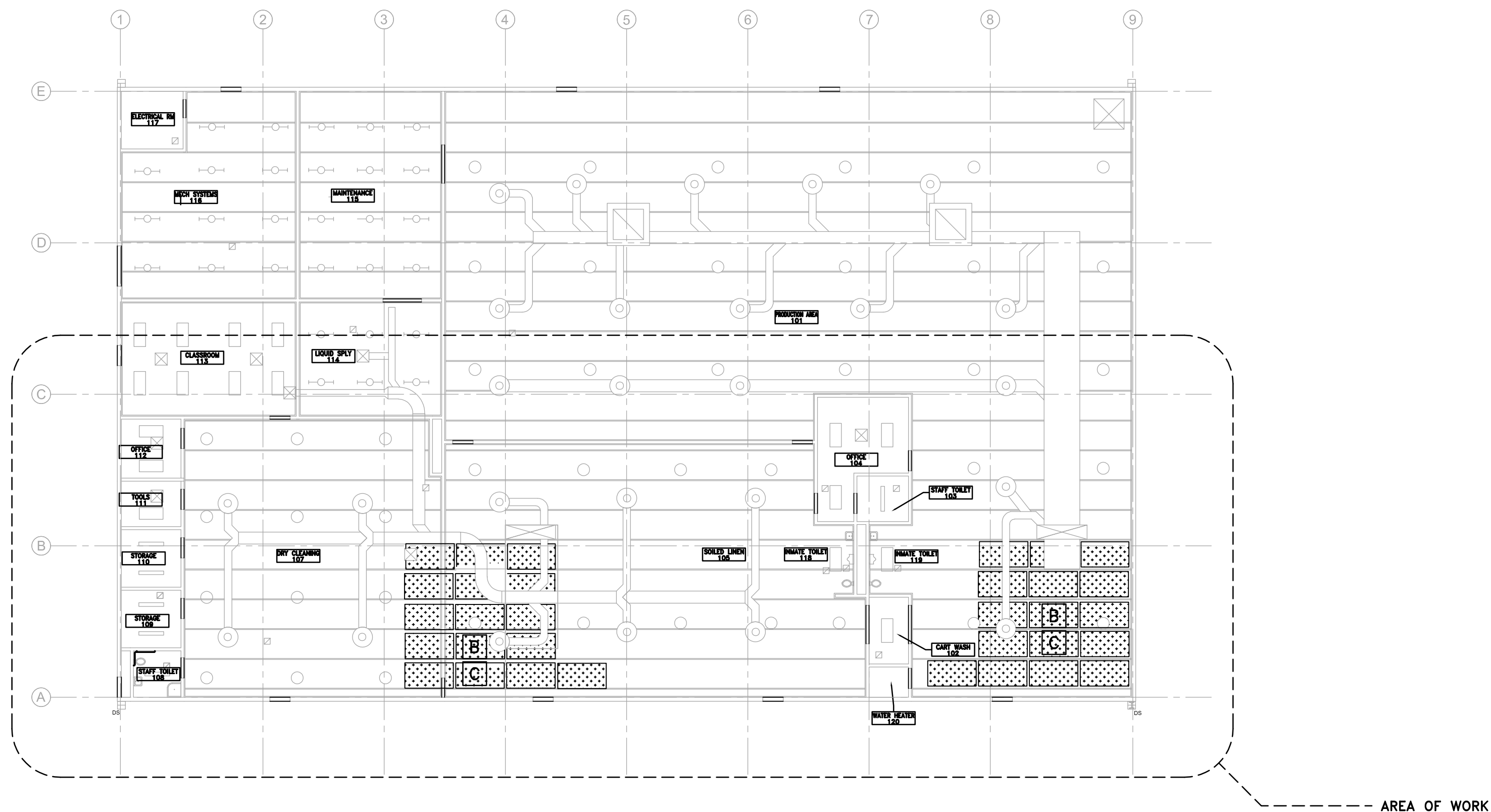
1 OF 4 SHEETS V1

GENERAL NOTES

1. GENERAL SCOPE IS TO REPAIR DAMAGE TO METAL FRAMED, METAL SKINNED BUILDING THAT WAS DAMAGED BY RUST CAUSED BY HVAC CONDENSATE LINES ON ROOF.
2. PROJECT INTENT IS TO DEMO EXISTING ABANDONED ROOFTOP HVAC UNIT SUPPORT STRUCTURE, COVER HOLE FROM HVAC DUCT, REPLACE DAMAGED METAL SHEET ROOFING, UNDER-DECK INSULATION, SUPPORTING STRUCTURAL STEEL.
3. THE SOUTH SLOPE OF THE ROOF AND THE SOUTH FACE OF THE BUILDING IS THE AREA OF WORK.
4. ROTTED SHEET METAL TO BE REPLACED IN FULL-SHEET INCREMENTS UNLESS NOTED OTHERWISE.
5. THE BUILDER SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. CROSS-CHECK AND COORDINATE DIMENSIONS AND DETAILS. REPORT ALL DISCREPANCIES TO THE ARCHITECT.
6. REMOVAL AND REPLACEMENT SHALL BE DONE CAREFULLY TO MINIMIZE DAMAGE TO ADJACENT SURFACES. CLEAN & REPAIR ALL AFFECTED SURFACES TO MATCH ORIGINAL CONDITION.
7. DETAILS MARKED TYPICAL SHALL APPLY IN ALL CASES, UNLESS SPECIFICALLY NOTED OTHERWISE. WHERE NO DETAIL IS SHOWN, CONSTRUCTION SHALL BE AS SHOWN FOR OTHER SIMILAR WORK.
8. PIPING, DUCTING AND CONDUITS TO BE ABANDONED SHALL BE CAPPED AND PLUGGED. WASTE LINED TO BE CAPPED BELOW SLAB SHAVE A MIN OF 2 1/2" CONCRETE COVER.
9. THE DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED PROJECT, THEY DO NOT INDICATE THE MEANS OR METHOD OF CONSTRUCTION.
10. THE BUILDER SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND SAFETY OF WORKMEN DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, CONSTRUCTION BARRIERS, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTIONS EQUIPMENT, ETC.



1 DEMOLITION CEILING PLAN



2 CEILING PLAN

SCALE: 1/16"=1'-0"

DEMOLITION KEYNOTES

- 1 DEMOLISH ROTTED INSULATION WHERE OCCURS.
- 2 DEMOLISH GUTTER.
- 3 SANDBLAST RUST FROM STRUCTURAL STEEL. WHERE OCCURS.
- 4 DEMO DUCT PENETRATION TO BELOW ROOF LINE. CUT AND CAP. DEMO SUPPORT STRUCTURE OF ABANDONED HVAC UNIT SUPPORTS TO BELOW ROOF LINE.
- 5 DEMOLISH EXISTING STANDING SEAM METAL ROOFING PANELS WHERE RUST EXISTS. DEMO AS FULL PANELS ONLY.
- 6 DEMO ALL EXISTING ABANDONED HVAC UNIT SUPPORT STRUCTURE. CUT BACK TO BELOW ROOF PANELS.

PLAN KEYNOTES

- A** PROVIDE METAL GUTTER FULL LENGTH OF SOUTH FACE OF BUILDING. EXISTING DS TO REMAIN. SEE DETAIL 10 SHEET A-1.3.
- B** PROVIDE FACED BATT INSULATION MATCH EXISTING TYPE AND INSTALLATION.
- C** ETCH, PRIME AND PAINT STEEL WHERE RUST HAS BEEN REMOVED. COLOR TO MATCH EXISTING.
- D** PROVIDE STANDING SEAM METAL ROOFING PANELS, 1/2 IN SHEET INCREMENTS ONLY.
- E** PROVIDE STANDING SEAM METAL ROOFING BOOT PENETRATIONS AT HYDRO SUPPORT STRUCTURE AND ANY ROOFING PENETRATIONS WITHIN THE AREA OF WORK. SEE DETAIL 11/A-1.3.

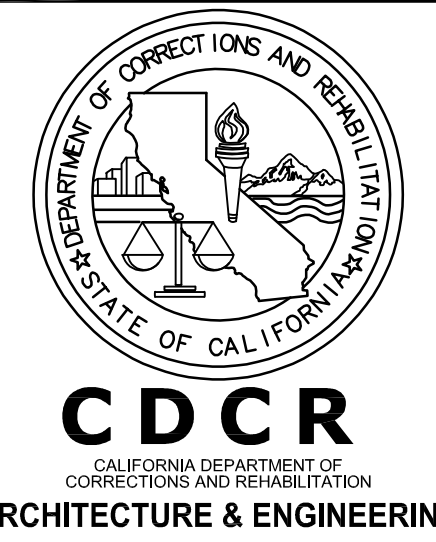
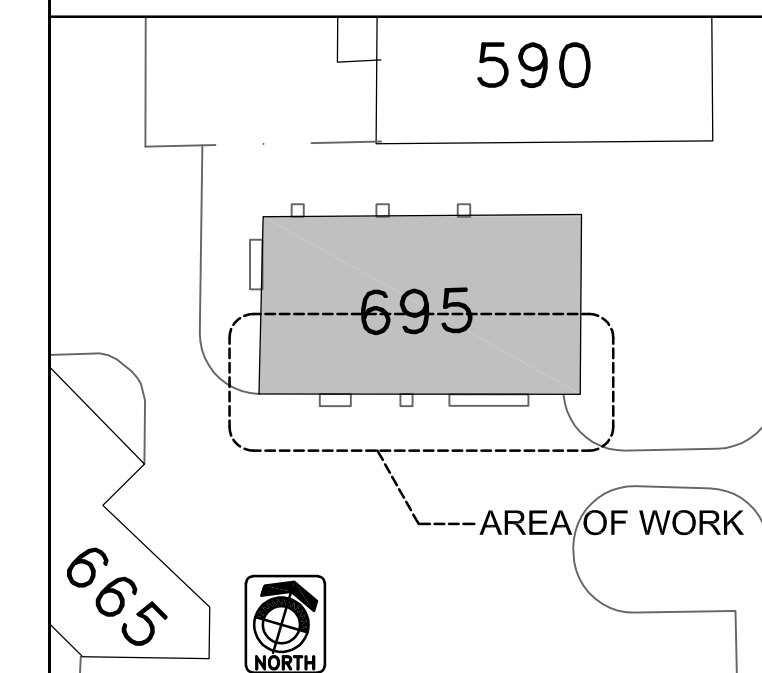
FLOOR LEGEND

(E) WALL

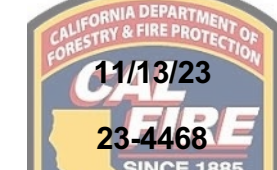
CEILING LEGEND

-  **DEMOLISH DAMAGED** 
-  **CEILING INSULATION** 

KEY PLAN



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CASp-491
#1315 11/14/23

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FROM APPLICABLE REGULATIONS



Mark Grexton
Senior Architect

Lloyd Rolle
Supervising Architect

CEILING PLANS

ASP
21-027

AVENAL STATE PRISON (ASP)
1 KINGS WAY
AVENAL, CA 93204

D FILE: P:\DESIGN SERVICES\CSO\DESIGNS\21-027 REPAIR METAL ROOF AT BLDG 695 PH 1\DRAWINGS\1-12 CEILING PLANS.DWG

REVISIONS

REV.	DATE	DESCRIPTION

DATE: SEPTEMBER 1, 2023

SHEET NUMBER

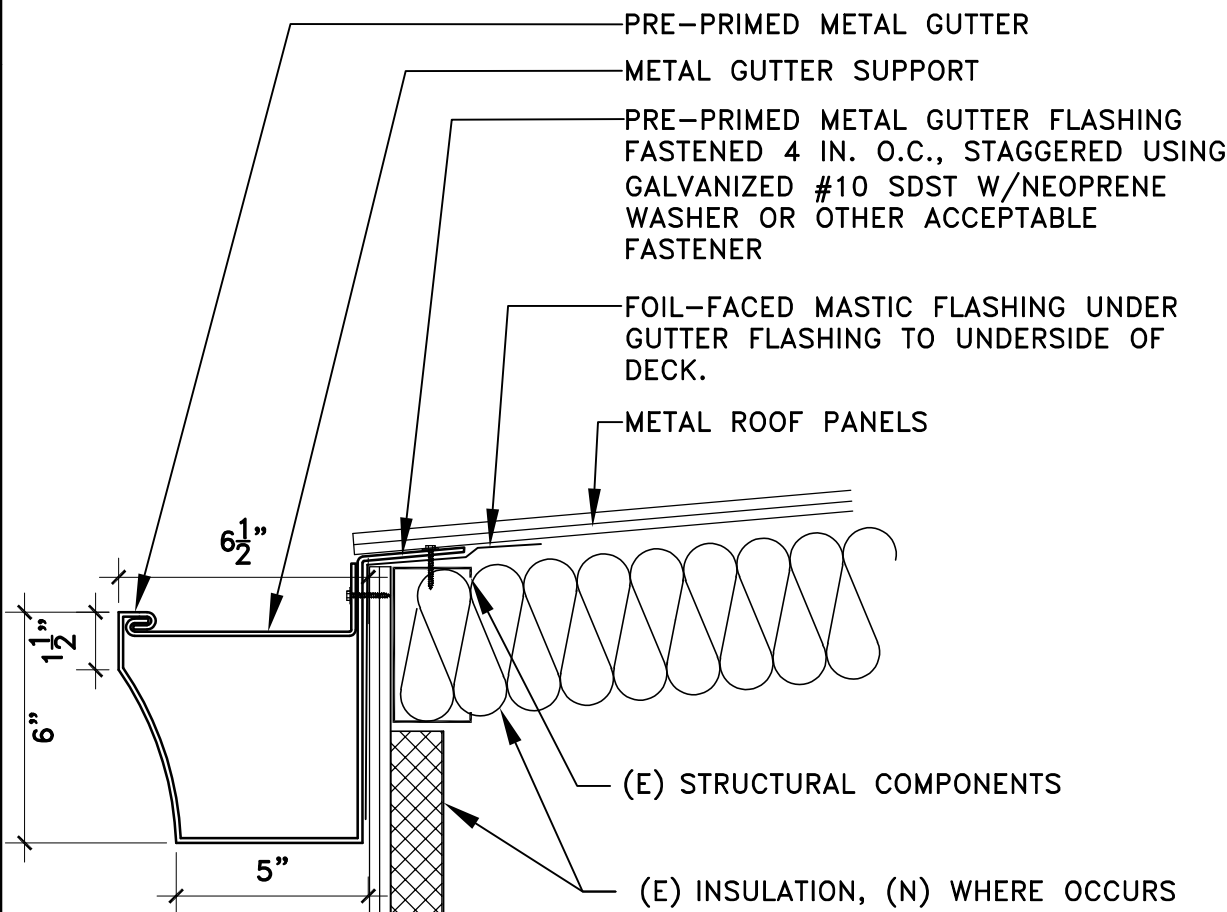
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2 OF 4 SHEETS V1

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GENERAL NOTES

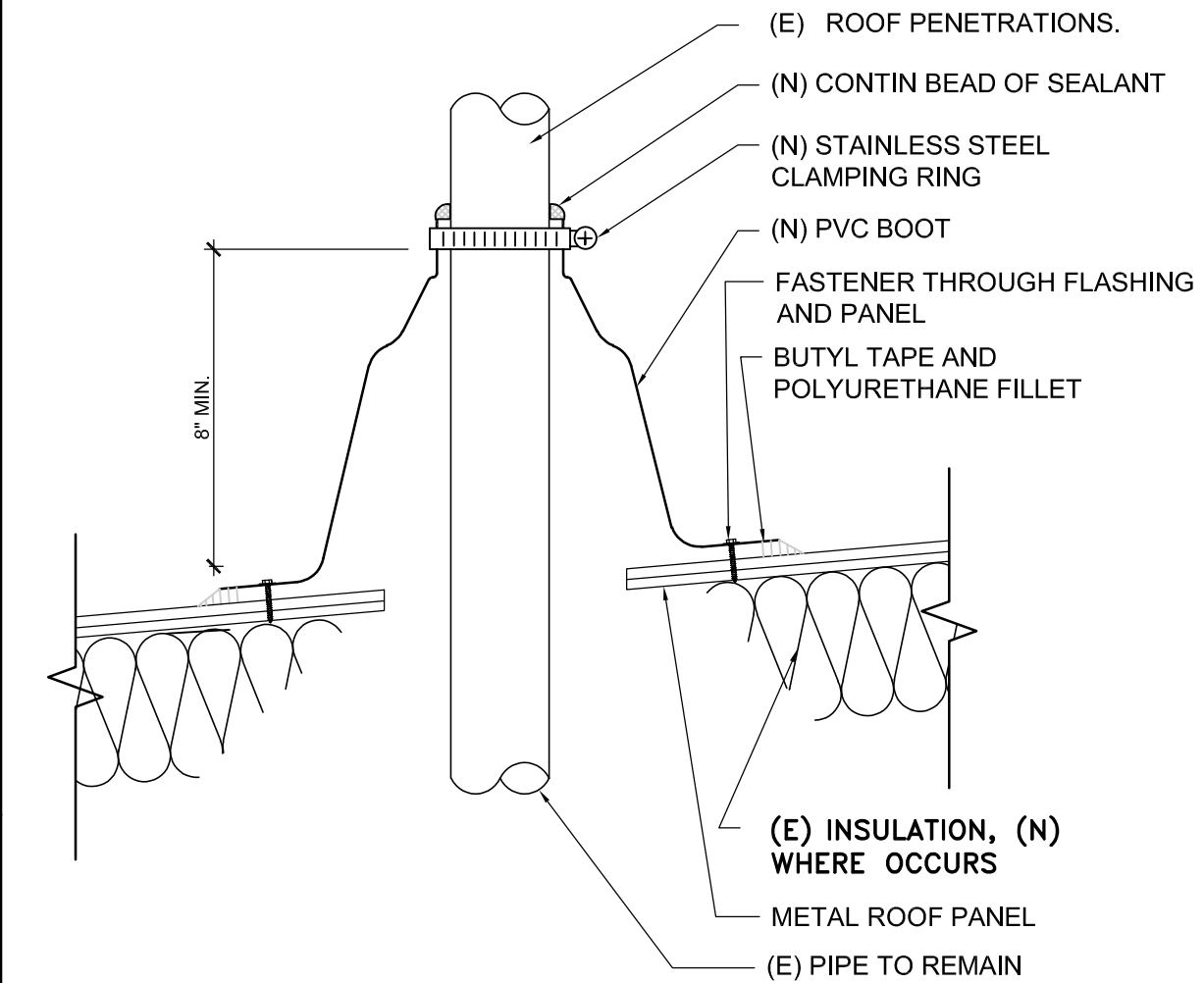
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GUTTER EDGE

NTS

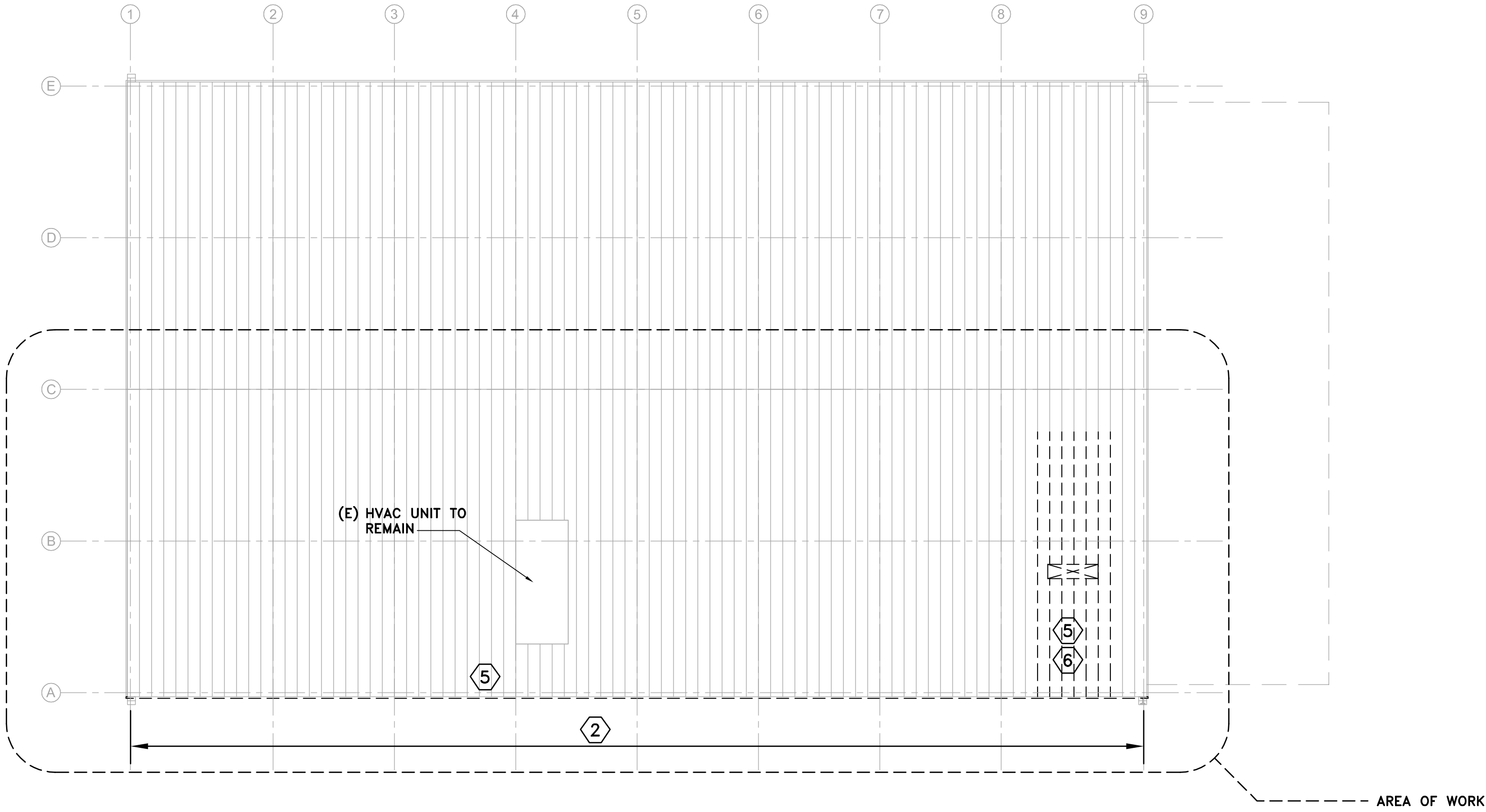
10



BOOT FLASHING

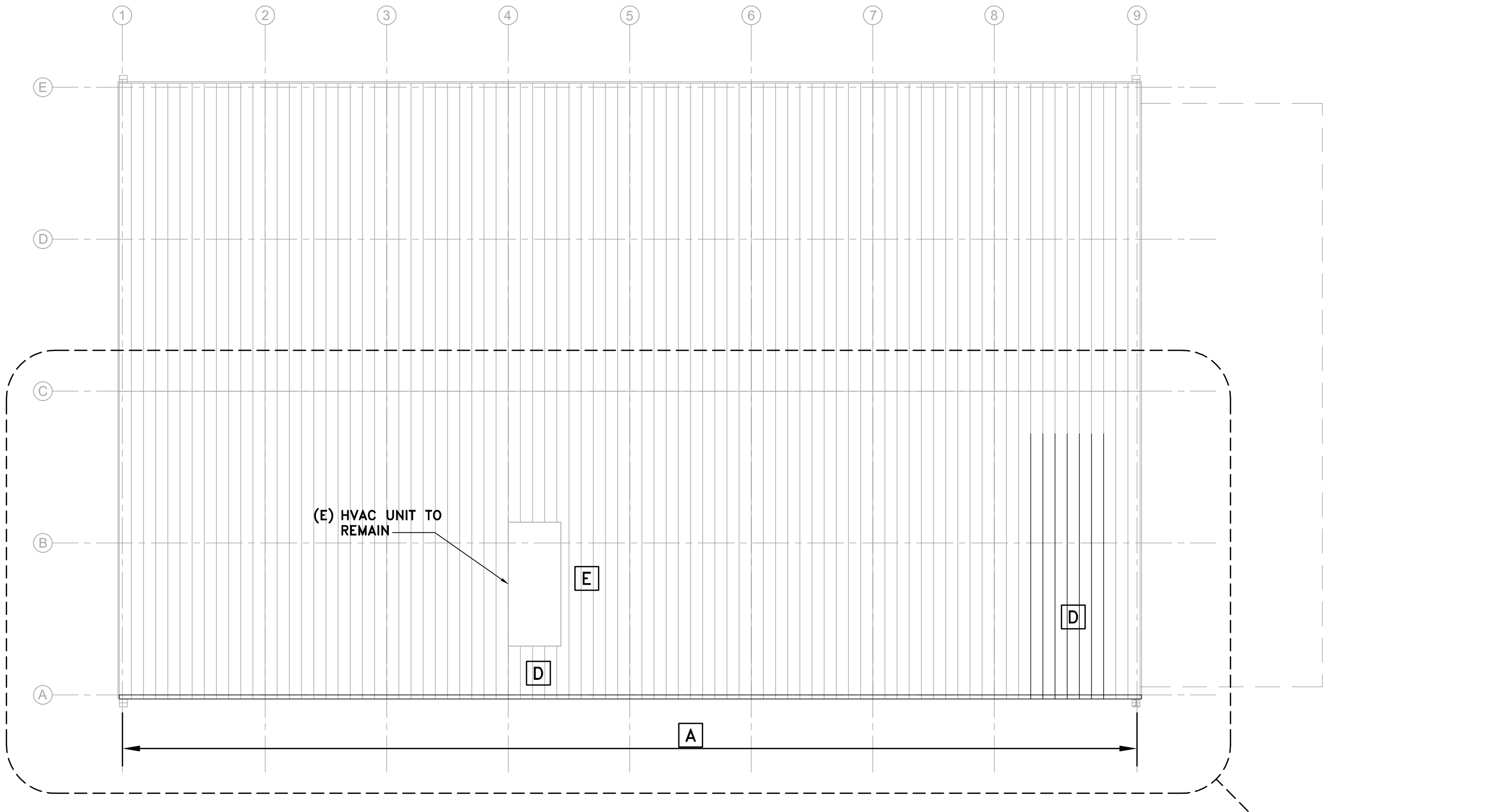
NTS

11



1 DEMOLITION ROOF PLAN

SCALE: 1/16"=1'-0"



2 ROOF PLAN

SCALE: 1/16"=1'-0"



DEMOLITION KEYNOTES

- DEMOLISH ROTTED INSULATION WHERE OCCURS.
- DEMOLISH GUTTER.
- SANDBLAST RUST FROM STRUCTURAL STEEL. WHERE OCCURS.
- DEMO DUCT PENETRATION TO BELOW ROOF LINE, CUT AND CAP. DEMO SUPPORT STRUCTURE OF ABANDONED HVAC UNIT SUPPORTS TO BELOW ROOF LINE.
- DEMOLISH EXISTING STANDING SEAM METAL ROOFING PANELS WHERE RUST EXISTS. DEMO AS FULL PANELS ONLY.
- DEMO ALL EXISTING ABANDONED HVAC UNIT SUPPORT STRUCTURE. CUT BACK TO BELOW ROOF PANELS.

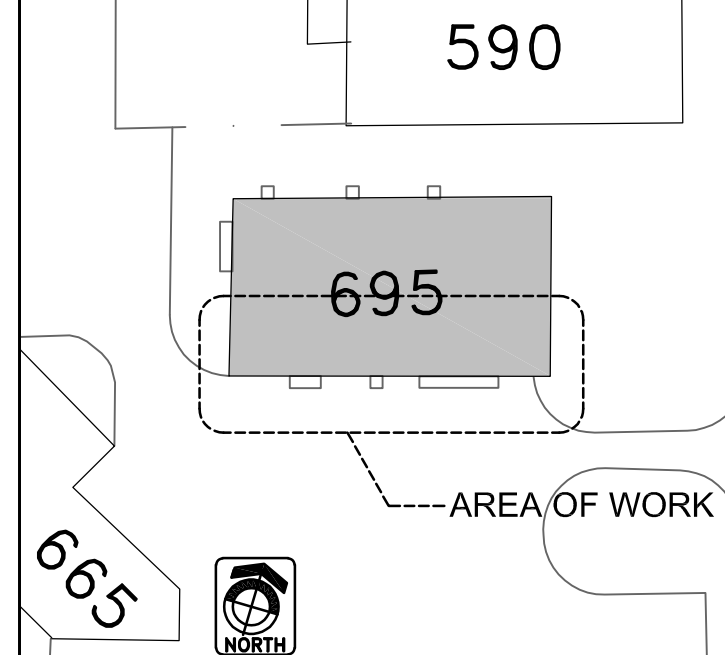
PLAN KEYNOTES

- A PROVIDE METAL GUTTER FULL LENGTH OF SOUTH FACE OF BUILDING. EXISTING DS TO REMAIN. SEE DETAIL 10 SHEET A-1.3.
- B PROVIDE FACED BATT INSULATION MATCH EXISTING TYPE AND INSTALLATION.
- C ETCH, PRIME AND PAINT STEEL WHERE RUST HAS BEEN REMOVED. COLOR TO MATCH EXISTING.
- D PROVIDE STANDING SEAM METAL ROOFING PANELS, IN FULL SHEET INCREMENTS ONLY.
- E PROVIDE STANDING SEAM METAL ROOFING BOOT PENETRATIONS AT HVAC SUPPORT STRUCTURE AND ANY ROOFING PENETRATIONS WITHIN THE AREA OF WORK. SEE DETAIL 11/A-1.3.

ROOF LEGEND

- DEMOLISH DAMAGED SHEET ROOFING
- NEW SHEET ROOFING
- EXISTING SHEET ROOFING

KEY PLAN



CDCR
CALIFORNIA DEPARTMENT OF
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ACCESS COMPLIANCE REVIEW

CASp-491
#1315 11/14/23

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Mark Grexton
Senior Architect

Loyd Rolle
Supervising Architect

ROOF PLANS
REPLACE TWO AHU & REPAIR METAL ROOF - BLDG 695 - PH 1

ASP
21-027

AVENAL STATE PRISON (ASP)
1 KINGS WAY
AVENAL, CA 93204

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REVISIONS		
REV.	DATE	DESCRIPTION

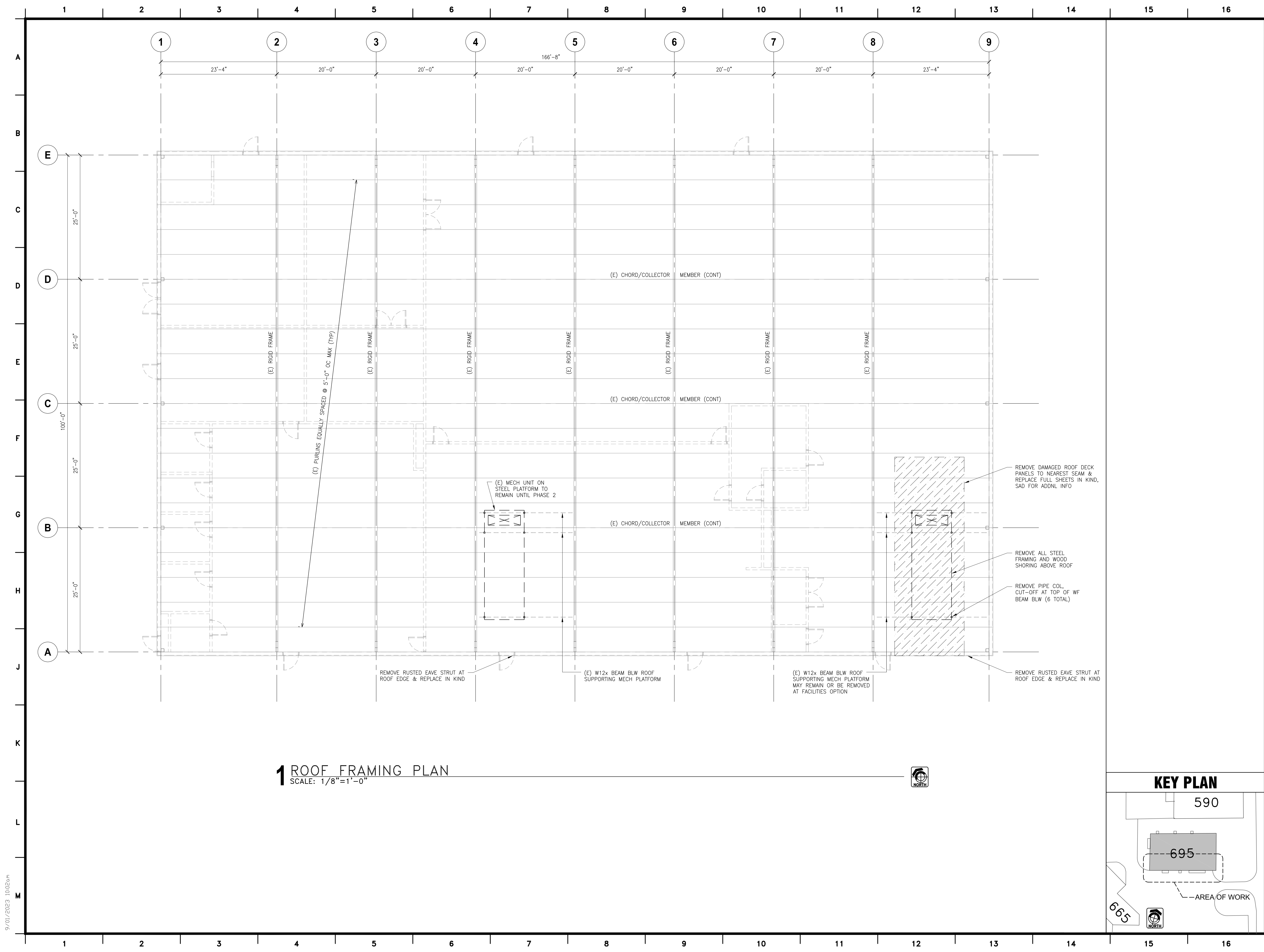
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SHEET NUMBER

A-1.3

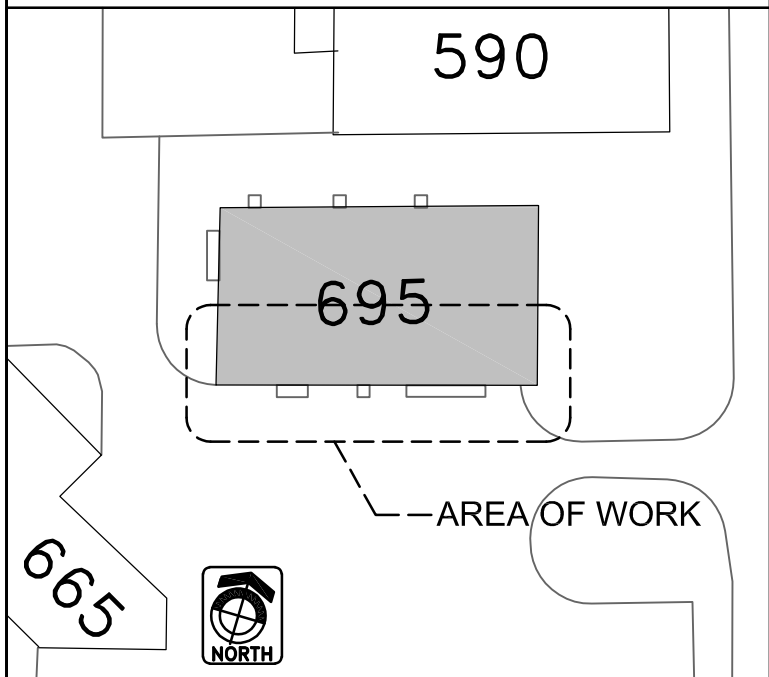
3 OF 4 SHEETS V1

9/01/2023 1002am



1 ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

KEY PLAN



CDCR
CALIFORNIA DEPARTMENT OF
CORRECTIONS AND REHABILITATION
ARCHITECTURE & ENGINEERING

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY



Approval of this plan does not authorize or
approve any omission or deviation from
applicable regulations. Final approval is subject
to field inspection. One set of approved plans
shall be available on the project site at all times.

CALIFORNIA DEPARTMENT OF
CORRECTIONS AND REHABILITATION
ACCESS COMPLIANCE REVIEW

CASp-491
#1315 11/14/23
APPROVAL OF THIS PLAN DOES NOT AUTHORIZE
OR APPROVE ANY OMISSION OR DEVIATION
FROM APPLICABLE REGULATIONS



Vera Lynch
Senior Structural Engineer

Chris Rippel
Supervising Civil Engineer

ROOF FRAMING PLAN
REPLACE TWO AHU & REPAIR METAL ROOF - BLDG 695 - PH 1

ASP
21-027

AVENAL STATE PRISON (ASP)
1 KINGS WAY
AVENAL, CA 93204

CAD FILE:
P:\DESIGN SERVICES\ASP\DESIGN\21-027 REPAIR METAL ROOF AT BLDG 695 PH 1\DRAWINGS\S-2.1 ROOF FRAMING PLANDING

REVISIONS		
REV.	DATE	DESCRIPTION

DATE: SEPTEMBER 1, 2023

SHEET NUMBER

S-2.1
4 OF 4 SHEETS V1