

Department of Transportation
Federal Aviation Administration

Honolulu Control Facility
HCF Roofing
Honolulu, Hawaii



Issue for Solicitation and Construction
August 29, 2022

FOR OFFICIAL USE ONLY

PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

REV.

APPROVED DATE

DESCRIPTION

JCN

REDLINE DATE

APVD

DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

ATO - TECHNICAL OPERATIONS

WESTERN SERVICE AREA

HONOLULU CONTROL FACILITY

HCF ROOFING

COVER SHEET

HONOLULU

HONOLULU CONTROL FACILITY (HCF)

HI

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R. SIMMONS

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ENGINEERING SERVICES TERMINAL

HCF - D - ATCT - G001

DRAWING NO.

REV.

JACOBS

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ARLINGTON, VA 22201

COMMONWEALTH OF VIRGINIA

8/19/2022

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ARCHITECT

HONOLULU CONTROL FACILITY

HONOLULU

HAWAII

8

7

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0

CENTER LINES

MATCH LINE SYMBOL

BREAK LINES

ELEVATION SYMBOL

Name

Elevation

DRAWING/DETAIL TITLE

DETAIL NUMBER

A8

View Name

SHEET ON WHICH DETAIL IS REFERENCED FROM

XXXXXXX

SHEET ON WHICH DETAIL IS DRAWN OR SCHEDULED

1/8" = 1'-0"

DETAIL TITLE REFERENCE

DETAIL DESIGNATION

A1

A001

SHEET ON WHICH DETAIL IS DRAWN

SECTION CUT

DETAIL DESIGNATION

A1

A001

SHEET ON WHICH DETAIL IS DRAWN

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A7

A701

A6

A5

E1

A001

SHEET ON WHICH DETAIL IS DRAWN

PLAN NORTH/PROJECT NORTH

TRUE NORTH

PROJECT NORTH

KEY NORTH

WORK

DEMOLITION

NEW WORK KEYNOTE

1

DEMOLITION KEYNOTE

1

GRAPHIC SCALE

8

6

4

2

0

8

16

SCALE: 1/8"=1'-0"

6

5

JURISDICTION AND PROJECT PERMITTING REQUIREMENTS

PER 40 USC 3312 (PUBLIC BUILDINGS AMENDMENT, 1988), THE FOLLOWING APPLY TO THIS PROJECT:

1. STATE AND LOCAL CODES, EXCEPT ZONING CODES AND SITE-WORK STANDARDS, ARE NOT APPLICABLE TO THIS PROJECT. THE PROJECT WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONALLY RECOGNIZED BUILDING CODES, INCLUDING ELECTRICAL CODES, FIRE AND LIFE SAFETY CODES AND PLUMBING CODES, NOTED ON THE DRAWINGS AND IN THE SPECIFICATIONS.

2. STATE AND LOCAL PERMITTING ARE NOT REQUIRED FOR THIS PROJECT, UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS FOR SPECIFIC PERMITS AND PERMITTING.

BUILDING CODE ANALYSIS

APPLICABLE CODES AND REGULATIONS

2018 INTERNATIONAL BUILDING CODE (IBC)

2018 INTERNATIONAL FIRE CODE

2018 INTERNATIONAL MECHANICAL CODE

2018 INTERNATIONAL PLUMBING CODE

ARCHITECTURAL BARRIERS ACT (ABA) STANDARDS (2015)

OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) INDUSTRY SAFETY & HEALTH STANDARDS (29 CFR 1910 AND 1926 - CURRENT ISSUE)

NFPA 101, LIFE SAFETY CODE, 2021 EDITION

NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS, 2019 EDITION

NFPA 14, STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS, 2019 EDITION

NFPA 70, NATIONAL ELECTRICAL CODE (NEC), 2020 EDITION

NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, 2019 EDITION

NFPA 75, STANDARD FOR THE FIRE PROTECTION OF INFORMATION TECHNOLOGY EQUIPMENT, 2020 EDITION

NFPA 90A, STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS, 2018 EDITION

NFPA 780, STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS

CODE SUMMARY

HCF BUILDING

OCCUPANCY CLASSIFICATION: BUSINESS (GROUP B) / LOW-HAZARD STORAGE (GROUP S-2) / ACCESSORY ASSEMBLY (GROUP A-3)

CONSTRUCTION TYPE: IBC, TYPE IIB

SPRINKLERED: YES

FIRE ALARM: YES, WITH VOICE

STORIES: 1 (ACTUAL) / 4 (MAXIMUM ALLOWED PER IBC)

HEIGHT: 26 FT (ACTUAL) / 75 FT (MAXIMUM ALLOWED PER IBC)

AREA: 70,180 SQFT (ACTUAL) / 92,000 (MAXIMUM ALLOWED PER IBC)

ATCT BUILDING

OCCUPANCY CLASSIFICATION: BUSINESS (GROUP B) / LOW-HAZARD STORAGE (GROUP S-2)

CONSTRUCTION TYPE: IBC, TYPE IB

SPRINKLERED: YES

FIRE ALARM: YES, WITH VOICE

STORIES: 11 (ACTUAL) / 12 (MAXIMUM ALLOWED PER IBC)

HEIGHT: 169 FT (ACTUAL) / 240 FT (MAXIMUM ALLOWED PER IBC)

AREA: 1,035 SQFT (ACTUAL) / UNLIMITED ALLOWED PER IBC

KEY PLAN

GUARDHOUSE

WEATHER OBSERVATION

ATCT

LINK

WEST MAIN ROOF

SOC ROOF

OPS ROOM ROOF

EQUIPMENT ROOM ROOF

LOWER MAIN ROOF

MAIN ENTRANCE CANOPY

EAST MAIN ROOF

EMPLOYEE ENTRANCE CANOPY

EQUIPMENT YARD

CAFETERIA CANOPY

LOUNGE PATIO CANOPY

4

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GENERAL NOTES

A. DIMENSION LINES SHOWN ON ARCHITECTURAL SHEETS ARE FROM COLUMN CENTER LINES AND FACE OF MASONRY, CONCRETE OR FINISHED FACE OF WALL, UNLESS OTHERWISE NOTED.

B. FIELD VERIFY EXISTING CONDITIONS & DIMENSIONS BEFORE DEMOLITION OF BUILDING SYSTEMS. COORDINATE DEMOLITION WITH THE WORK AND NOTIFY COR OF CONFLICTS. NO DEMOLITION WORK MUST PROCEED UNTIL CONFLICTS ARE RESOLVED TO SATISFACTION OF COR.

C. FINISHES & ASSOCIATED ADJACENT FINISHES AFFECTED BY THE WORK MUST BE PATCHED AND REPAIRED TO MATCH EXISTING ADJACENT FINISHES.

D. VERIFY DEMOLITION REQUIRED TO FACILITATE ROUTING OF MECHANICAL, ELECTRICAL AND FIRE PROTECTION SYSTEMS. FOR DEMOLITION REQUIRED OUTSIDE OF AREA SHOWN ON ARCHITECTURAL DRAWINGS, REFER TO MECHANICAL, ELECTRICAL AND FIRE PROTECTION FOR ITEMS TO BE REMOVED.

E. HCF WILL BE OCCUPIED BY FAA DURING CONSTRUCTION. COORDINATE THE WORK IN ADVANCE WITH COR TO AVOID DISRUPTING FAA OPERATIONS. MAINTAIN MEANS OF EGRESS DURING DEMOLITION AND CONSTRUCTION ACTIVITIES. IF AN EXIT IS TEMPORARILY PLACED OUT OF USE DURING THE WORK, COORDINATE WITH COR FOR TEMPORARY EGRESS MEASURES. PROVIDE NECESSARY SIGNAGE WARNING BUILDING OCCUPANTS OF THE CHANGE, AND THE DIRECTION TO THE NEAREST EXIT. WORK AFFECTING EGRESS MUST BE COORDINATED WITH AND APPROVED IN WRITING BY COR, A MINIMUM OF 30 DAYS PRIOR TO PERFORMANCE OF WORK.

F. CLEAN CONSTRUCTION AREAS DAILY. CONSTRUCTION DEBRIS & EQUIPMENT MUST NOT BE LEFT IN OCCUPIED AREAS.

G. DO NOT SCALE DRAWINGS.

H. EXISTING FAA COMPUTER AND OTHER SENSITIVE EQUIPMENT MUST REMAIN OPERATIONAL DURING CONSTRUCTION. COORDINATE WITH COR DEMOLITION WORK THAT MAY CAUSE VIBRATION OR DISRUPTION TO EQUIPMENT IN THE WORK AREA. PROVIDE DUST PROOF PARTITIONS AND BARRIERS AS REQUIRED BY COR TO PROTECT ACTIVE EQUIPMENT. COORDINATE WITH COR NOT TO DISRUPT FAA OPERATIONS, TYP. ACCOMMODATE THE 24-HOUR OPERATIONAL FACILITY SCHEDULE AND REQUIREMENTS.

I. IF HAZMAT, INCLUDING ACM OR LCC, IS ENCOUNTERED, CEASE WORK IN THAT AREA, NOTIFY THE COR, AND AWAIT DIRECTION ON HOW TO PROCEED.

J. AS REQUIRED, REMOVE, SAVE FOR REUSE, AND REINSTALL EQUIPMENT THAT IS AFFECTED BY THE WORK. PROTECT EQUIPMENT FROM DAMAGE AND DUST. DOCUMENT EXISTING EQUIPMENT CONDITIONS AND COORDINATE WITH COR.

K. UNSCHEDULED INTERRUPTIONS TO BUILDING SERVICES/UTILITIES MUST NOT BE TOLERATED. WORK REQUIRING PERMANENT, TEMPORARY OR PARTIAL OUTAGES MUST BE SCHEDULED AND APPROVED IN WRITING BY COR AT LEAST 10 WORKING DAYS IN ADVANCE OF PERFORMANCE OF THE WORK.

L. EXISTING BUILDING FLOOR PLANS AND SITE PLANS FOR THE EXISTING BUILDING CONSTRUCTION PRESENTED IN THIS DOCUMENT WERE OBTAINED FROM THE FAA. FIELD VERIFY EXISTING CONDITION PRIOR TO ANY CONSTRUCTION WORK REQUIRED.

M. PROVIDE TEMPORARY DUST PROOF PARTITIONS (DP) WITH ACCESS DOORS AS APPROVED AND COORDINATED WITH COR. TEMPORARY DP PARTITIONS MUST BE ACCESSIBLE TO FAA PERSONNEL AND NOT RESTRICT ACCESS TO MECH, ELEC, FAA, OR FIRE PROTECTION EQUIPMENT. VERIFY FINAL LOCATIONS & SPECIAL REQUIREMENTS WITH COR BEFORE INSTALLATION. ANCHORING DEVICES FOR DUSTPROOF CONSTRUCTIONS, INTO CONCRETE, MUST BE REMOVED UPON COMPLETION OF THE WORK. ANCHORING HOLES IN CONCRETE SURFACES MUST BE PATCHED AND REPAIRED TO MATCH ADJACENT SURFACES.

N. SECURITY SYSTEMS WORK THAT IS NOT SHOWN ON THE DRAWINGS AND THAT IS NOT SPECIFIED IS NOT IN THE CONTRACT AND WILL BE ACCOMPLISHED BY THE FAA OR BY A SEPARATE FAA SECURITY SYSTEMS CONTRACTOR. THE CONTRACTOR MUST COORDINATE ITS WORK IN DETAIL AND IN SCHEDULING WITH THIS NOT-IN-CONTRACT WORK.

O. WORK SPECIFIED IN ROOMS/AREAS WITH BREAKLINES INCLUDES WORK FOR ENTIRE AREA, UNLESS OTHERWISE NOTED.

P. PRIOR TO CUTTING CONCRETE, USE MAGNETIC STEEL LOCATOR TO LOCATE ELECTRICAL CONDUITS EMBEDDED IN CONCRETE. AVOID CUTTING CONDUITS AS THEY MAY BE CRITICAL TO THE OPERATION OF THE FACILITY. CONCRETE WORK MUST COMPLY WITH SILICA MANAGEMENT REQUIREMENTS.

Q. DIMENSIONS (LAYOUTS, MOUNTING HEIGHTS, HEIGHTS ABOVE FINISH FLOOR, ETC.) AND CLEARANCES SHOWN ON THE DRAWINGS, IDENTIFIED IN SPECIFICATIONS, IDENTIFIED IN MANUFACTURERS' PRODUCT DATA, OR REFERENCED IN APPLICABLE ABA DOCUMENTS, CODES, AND CRITERIA FOR THE HANDICAPPED ACCESSIBILITY ARE TO BE HELD TRUE; PLUS OR MINUS TOLERANCES FROM THESE DIMENSIONS ARE NOT ALLOWED.

R. REFER TO OTHER DISCIPLINES FOR ADDITIONAL DEMOLITION REQUIRED. COORDINATE REMOVING EXISTING PARTITIONS AND ENCLOSURES TO ENABLE DEMOLITION OF CONCEALED SYSTEMS TO BE DEMOLISHED. PATCH AND REPAIR DAMAGED FINISHES, AND/OR FIRE RATED ASSEMBLIES TO MATCH EXISTING ADJACENT SURFACES.

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LOCATION MAP

PROJECT ADDRESS:

FEDERAL AVIATION ADMINISTRATION

HONOLULU CONTROL FACILITY

760 WORCHESTER AVE, HONOLULU, HI 96818

PROJECT LOCATION

VICINITY MAP

HONOLULU

HONOLULU CONTROL FACILITY

DANIEL K. INOUE INTERNATIONAL AIRPORT

HIGHWAY H1

FOR OFFICIAL USE ONLY

PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

Jacobs

DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

ATO - TECHNICAL OPERATIONS

WESTERN SERVICE AREA

HONOLULU CONTROL FACILITY

HCF ROOFING

INDEX OF DRAWINGS, GENERAL NOTES, LEGEND,

LOCATION MAP & BUILDING CODE ANALYSIS

HONOLULU

HONOLULU CONTROL FACILITY (HCF)

HI

REVIEWED BY

SUBMITTED BY

APPROVED BY

SUBMITTER'S TITLE

DESIGNED BY

DRAWN BY

CHECKED BY

PROJECT ENGINEER/ARCHITECT

MANAGER

DATE

ISSUED

DRAWING NO.

REVISION

August 29, 2022

1604158

HCF - D - ATCT- G002

THIS DRAWING PRODUCED ON THE XXXXXXXXXXXX REGION AUTOCAD SYSTEM

GENERAL ABBREVIATIONS

A	AMPERE, AIR, COMPRESSED AIR LINE	COMM	COMMUNICATIONS	FLEX	MECH	MECHANICAL	STGP	SIGNAL TRANSPORT GROUND PLANE
AA	AIR COOLED	COMP	COMPRESSIBLE, COMPRESSED	FLG	MET	METAL	STL	STEEL
AAV	AUTOMATIC AIR VENT	CONC	CONCRETE	FLUJOR	MFG(R)	MANUFACTURER	STOR	STORAGE
AC	ALTERNATING CURRENT, ASPHALT CONCRETE, AIR COMPRESSOR	COND	CONDITION, CONDENSATE	FM	MG	MOTOR GENERATOR	STRUC	STRUCTURAL, STRUCTURE
ACC	AIR COOLED LIQUID CHILLER	CONN	CONNECTION	FO	MIL	MILLIMETER	SUCT	SUCTION
ACD	ADDRESSABLE CONTROL DEVICE	CONST	CONSTRUCTION	FOL	MIN	MINIMUM	SUSP	SUSPENDED
ACF	ACCESS FLOOR SYSTEM	CONT	CONTINUOUS, CONTINUATION	FOR	MO	MASONRY OPENING	SW	SWITCH
ACM	ASBESTOS CONTAINING MATERIAL	CONTR	CONTRACTOR	FOS	MOD	MODIFICATION	SYM	SYMMETRICAL
ACP	ACOUSTICAL CEILING PANEL	COORD	COORDINATE	FOT	MS	MOISTURE SENSOR		
ACT	ACCESS CONTROL TERMINAL, ACOUSTICAL CEILING TILE	COR	CONTRACTING OFFICERS REPRESENTATIVE	FOV	MTG	MOUNTING, MOUNTED	T	T
ACU	AIR CONDITIONING UNIT	CP	CONTROL PANEL, CIRCULATING PUMP	FPM			TBD	THERMOSTAT, TREAD
A/C	AIR CONDITIONING	CPC	CONTROL PANEL, CIRCULATING PUMP	FPU			T&B	TO BE DETERMINED
AD	AREA DRAIN, ACCESS DOOR	CPDS	CRITICAL POWER DISTRIBUTION SYSTEM	FRP			T&G	TOP AND BOTTOM
ADJ	ADJACENT, ADJUSTABLE	CPT	CARPET	FS			TC	TONGUE AND GROOVE
ADR	ACCESS DOOR	CPU	CENTRAL PROCESSING UNIT	FT, '			TELCO	TEMPERATURE CONTROL SWITCH
ADTN	ADMINISTRATIVE DATA TRANSMISSION NETWORK	CR	CEILING REGISTER, CONTROL RELAY	FTR			TEMP	TELECOMMUNICATION, TELEPHONE COMPANY LINE
AED	AUTOMATED EXTERNAL DEFIBRILLATOR	CRAC	COMPUTER ROOM AIR CONDITIONING UNIT	FV			TIC	TEMPERATURE
AF	AMPERE FRAME, AIR FLOW SENSOR	CRAH	COMPUTER ROOM AIR HANDLING UNIT	FZ			TI	TEMPERATURE INDICATOR
AFF	ABOVE FINISH FLOOR	CRU	COMPUTER ROOM UNIT				TIC	TEMPERATURE INDICATING CONTROLLER
AFMS	AIR FLOW MEASURING STATION	CS	CONTROL SWITCH	G	G	GAS	TK	TANK
AH	AIR HANDLING UNIT	CT	CABLE TRAY, COOLING TOWER	GA	GA	GAGE, GAUGE	TM&O	TELECOMMUNICATIONS MANAGEMENT AND OPERATIONS
AHU	AIR HANDLING UNIT	CTR	CENTER, COOLING TOWER WATER RETURN	GALV	GALV	GALVANIZED	TOC	TOP OF CONCRETE
AIC	AMPERES INTERRUPTING CAPACITY	CTS	COOLING TOWER WATER SUPPLY	GEN	GEN	GENERATOR	TOS	TOP OF STEEL
AID	ADDRESSABLE INTERFACE DEVICE	CU	CONDENSING UNIT	GFE	GFE	GOVERNMENT FURNISHED EQUIPMENT	TOW	TOP OF WALL
AIF	AIR INTAKE FILTER	CW	DOMESTIC COLD WATER	GFM	GFM	GOVERNMENT FURNISHED MATERIAL	TRACON	TERMINAL RADAR APPROACH CONTROL FACILITY
AL	ALUMINUM	CWR	CHILLER WATER RETURN	GL	GL	GLASS	TRANS	TRANSVERSE
ALT	ALTERNATE	CWS	CHILLER WATER SUPPLY	GND	GND	GROUND, GROUND CONNECTOR	TS	TEMPERATURE SENSOR, TAMPER SWITCH
AM	AMP METER	CWV	COMBINATION WASTE AND VENT	GPH	GPH	GALLONS PER HOUR	TYP	TYPICAL
AMM	AMMETER	CU	CONDENSING UNIT	GPM	GPM	GALLONS PER MINUTE		
ANN	ANNUNCIATOR	CV	CONTROL VALVE, CONSTANT VOLUME TERMINAL	GR	GR	GRILLE	U	U
AO	ANALOG OUTPUT	CYD	CUBIC YARD	GRV	GRV	GRAVITY VENT	UBC	UNIFORM BUILDING CODE
AP	ANNUNCIATOR POINT			GS	GS	GAS SENSOR	UH	UNIT HEATER
APC	ACOUSTICAL PANEL CEILING	D	DRAIN, DELTA CONNECTION, DIFFUSER, DAMPER	GV	GV	GATE VALVE	UL	UNDERWRITER'S LABORATORIES, INC.
APPROX	APPROXIMATELY	DB	DIRECT BURIAL, DRY BULB	GW	GW	GLYCOL WASTE	UON	UNLESS OTHERWISE NOTED
ARCH	ARCHITECT(URAL)	DBL	DOUBLE	GWB	GWB	GPYSUM WALLBOARD	UPS	UNINTERRUPTIBLE POWER SYSTEM
ARTCC	AIR ROUTE TRAFFIC CONTROL CENTER	DC	DIRECT CURRENT	GWH	GWH	GAS WATER HEATER	UTIL	UTILITY
ARTS	AUTOMATED RADAR TERMINAL SYSTEM	DDCP	DIRECT DIGITAL CONTROL PANEL				UV	UNIT VENTILATOR
AS	AIR SEPARATOR	DEG	DEGREE(S)	H	H	HUMIDISTAT	V	V
ASSY	ASSEMBLY	DET	DETAIL	HAZMAT	HAZMAT	HAZARDOUS MATERIALS	VAT	VOLT
AT	AMPERE TRIP, AIR TRAFFIC	DGP	DATA GATHERING PANEL	HB	HB	HOSE BIBB	VAV	VINYL ASBESTOS TILE
ATB	AIR TERMINAL BOX	DI	DROP INLET, DAMPER POSITION INDICATOR, DIGITAL INPUT	HC	HC	HEATING COIL	VAV	VARIABLE VOLUME TERMINAL
ATCT	AIRPORT TRAFFIC CONTROL TOWER	DIA	DIAMETER	HCF	HCF	HONOLULU CONTROL FACILITY	VB	VINYL BASE
ATS	AUTOMATIC TRANSFER SWITCH	DIAG	DIAGONAL	HCS	HCS	HOST COMPUTER ROOM	VBT	VINYL BASE & TRIM COMPONENTS
AUX	AUXILIARY	DISC	DISCONNECT	HDW	HDW	HARDWARE	VC	VERTICAL CURVE
AV	ACID VENT	DISP	DISPENSER	HE	HE	HEAT EXCHANGER	VCT	VINYL COMPOSITION TILE
AVG	AVERAGE	DIST	DISTRIBUTION	HERM	HERM	HERMETIC	VD	VOLUME DAMPER
AWG	AMERICAN WIRE GUAGE	DL	DEAD LOAD	HM	HM	HOLLOW METAL	VERT	VERTICAL
AWP	ACOUSTICAL WALL PANEL	DM	DEMAND METER	HORIZ	HORIZ	HORIZONTAL	VF	VERTICAL FEET, VENTILATION FAN
AWR	AUTOMATION WING REHABILITATION	DN	DOWN	HP	HP	HORSE POWER, HEAT PUMP, HIGH PRESSURE	VFD	VARIABLE FREQUENCY DRIVE
&	AND	DO	DIGITAL OUTPUT	HPL	HPL	HIGH PRESSURE LAMINATE	VGWB	VINYL SURFACED GYPSUM WALL BOARD
@	AT	DOM	DOMESTIC	HPS	HPS	HIGH PRESSURE SODIUM, HIGH PRESSURE STEAM	VIF	VERIFY IN FIELD
		DP	DUSTPROOF PARTITION, DIFFERENTIAL PRESSURE SWITCH	HPT	HPT	HIGH POINT	VP	VELOCITY PRESSURE, VACUUM PRODUCER
		DPDT	DOUBLE POLE DOUBLE THROW	HR	HR	HOUR	VS	VIBRATION SWITCH
B	B	DPNL	DISTRIBUTION PANEL	HS	HS	HIGH STRENGTH, HUMIDITY SENSOR	W	W
BAT CHR	BATTERY CHARGER	DPST	DOUBLE POLE SINGLE THROW	HT	HT	HEIGHT	W	WATT

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DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA

HONOLULU CONTROL FACILITY
HCF ROOFING

GENERAL ABBREVIATIONS

HONOLULU	HONOLULU CONTROL FACILITY (HCF)	HI
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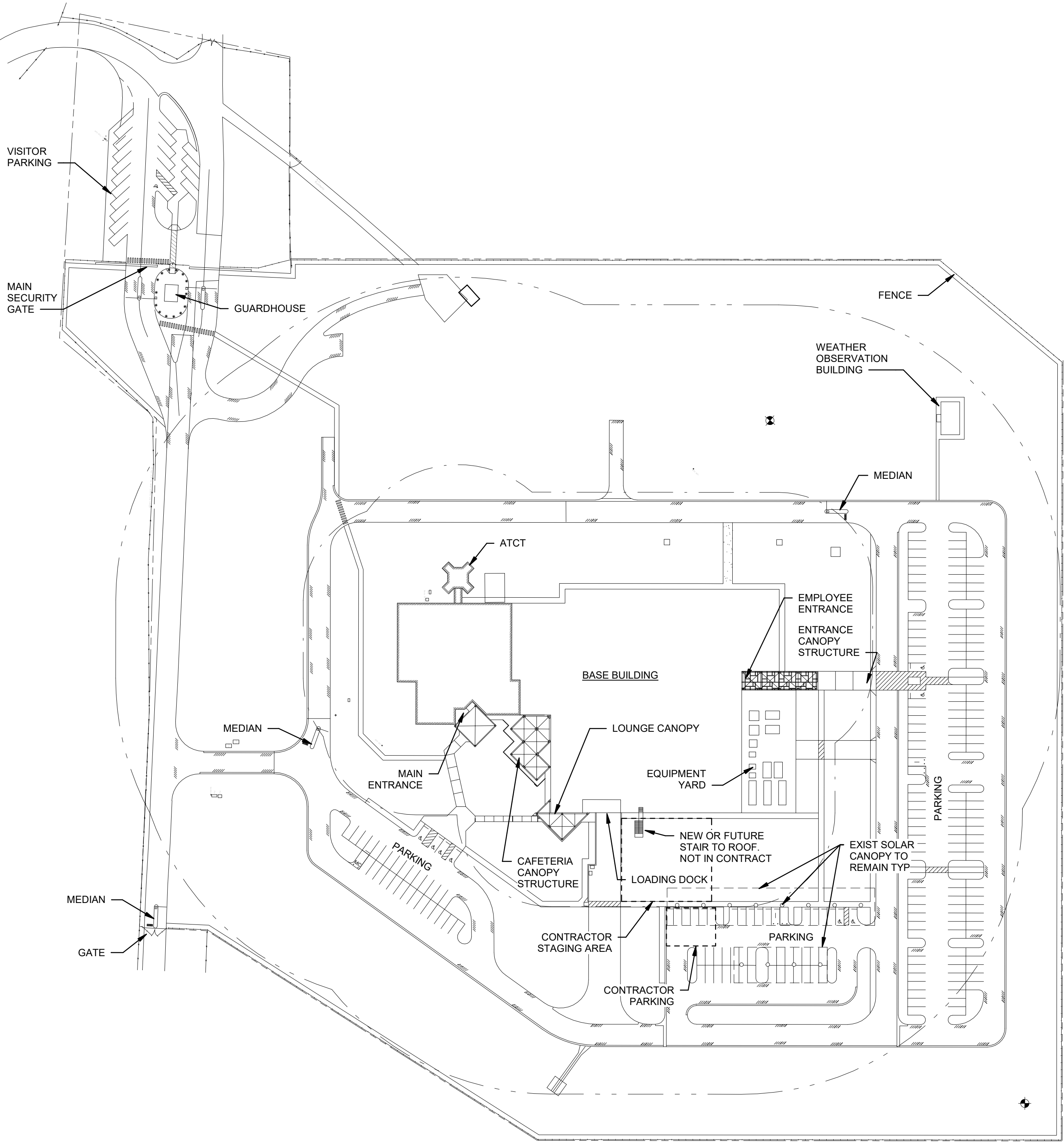
REVIEWED BY	SUBMITTED BY AARON SHAW	APPROVED BY VANCE WHITESEL
	SUBMITTER'S TITLE PROJECT ENGINEER/ARCHITECT, AJW-ZW11C	APPROVER'S TITLE MANAGER, AJW-ZW11C

		DESIGNED BY R.SIMMONS	ISSUED BY	DATE August 29, 2022	JCN 1604158	
		DRAWN BY M.KANG	ENGINEERING SERVICES TERMINAL	DRAWING NO.		REV.
		CHECKED BY W.STEVENS		HCF - D - ATCT- G003		

GENERAL CONSTRUCTION STAGING NOTES

- THE FOLLOWING NOTES AND ACCOMPANYING "CONSTRUCTION STAGING PLAN" GRAPHICALLY REPRESENT MANY OF THE MAJOR REQUIREMENTS STATED IN "DIVISION 1 GENERAL REQUIREMENTS" OF THE SPECIFICATIONS. THESE NOTES PARAPHRASE DIVISION 1 REQUIREMENTS AND ARE NOT INTENDED TO MODIFY OR REPLACE DIVISION 1 REQUIREMENTS.
- CONSTRUCTION ACCESS, PARKING, OFFICES AND EXTENT/SIZE OF CONSTRUCTION STAGING AREA MUST BE COORDINATED WITH SITE PERSONNEL VIA COR. PARTICULARLY IN CONJUNCTION WITH ONGOING PROJECTS. REFER A8/G004 FOR LOCATION OF PROPOSED CONSTRUCTION STAGING AREA AND PROPOSED CONSTRUCTION TRAILER LOCATION. LOCATION OF FINAL CONSTRUCTION STAGING AREA AND CONSTRUCTION TRAILER LOCATION TO BE DETERMINED AT PRECONSTRUCTION CONFERENCE.
- A. ACCESS THROUGH JOINT BASE PEARL HARBOR-HICKUM (JBPHH)
- TRAVEL TO THE PROJECT SITE REQUIRES GOING THROUGH THE HICKUM AIR FORCE BASE PORTION OF JBPHH.
 - THERE ARE SPECIFIC SECURITY AND BADGING REQUIREMENTS AND PROCEDURES FOR ENTERING JBPHH. SEE THE PROJECT SPECIFICATION AND THE JBPHH INTERNET WEBSITE FOR INFORMATION ON THESE REQUIREMENTS AND PROCEDURES.
- B. FAA SECURITY REQUIREMENTS
- AN ADVANCE LIST AND WEEKLY LOG OF CONTRACTOR'S PERSONNEL MUST BE PROVIDED TO COR. FAA RESERVES THE RIGHT NOT TO ACCEPT WORKERS. AT THE START OF EACH WORK SHIFT, ALLOW ADEQUATE TIME FOR CONTRACTOR'S PERSONNEL TO SIGN-IN AT GUARDHOUSE. TEMPORARY SECURITY BADGES MUST BE ISSUED TO CONSTRUCTION PERSONNEL. CONTRACTOR'S SUPERVISORY PERSONNEL MUST BE RESPONSIBLE FOR CONDUCT OF THEIR PERSONNEL WHILE ON SITE. CONTRACTORS VEHICLES MUST BE MARKED.
 - SITE IS A SECURE AREA AND CONSTRUCTION VEHICLES MUST REMAIN IN CONSTRUCTION AREAS.
 - HCF IS A SECURE AREA AND CONSTRUCTION PERSONNEL MUST REMAIN IN CONSTRUCTION AREAS AT ALL TIMES. CONTRACTOR MUST MINIMIZE INGRESS AND EGRESS.
 - FAA BADGED ESCORTS AND DESIGNATED ESCORTS MUST BE REQUIRED FOR CONSTRUCTION PERSONNEL WORKING ON SITE AND FOR DELIVERIES. COORDINATE WORK WITHIN THE BUILDING IN ADVANCE WITH COR. ESCORTS OUTSIDE BUILDING MUST BE REQUIRED. OBTAIN FAA SECURITY BADGES FOR A SUFFICIENT NUMBER OF EMPLOYEES TO PROVIDE ESCORTS FOR EMPLOYEES AND DELIVERIES.
 - CONTRACTOR PERSONNEL MAY BE FINGERPRINTED AND PHOTOGRAPHED FOR FAA SECURITY COMPLIANCE. SOCIAL SECURITY NUMBERS WILL BE REQUIRED.
- C. CONSTRUCTION ACCESS AT THE FAA SITE
- CONTRACTOR'S VEHICLES, PEDESTRIANS AND DELIVERIES TO SITE MUST BE THROUGH FAA SITE SECURITY GATE. COR AND THEIR ASSIGNED REPRESENTATIVES WILL ESCORT CONTRACTOR'S PERSONNEL, VEHICLES, AND DELIVERIES THROUGH THE FAA SITE SECURITY GATE. THIS GATE IS MANNED 24 HOURS A DAY.
 - PROVIDE SIGNAGE TO INDICATE ACCESS ROUTE FOR CONSTRUCTION EMPLOYEES AND DELIVERIES ON SITE. PROVIDE NECESSARY BARRICADES, LIGHTS, SIGNAGE AND FENCING TO PROTECT, WARN AND DIRECT PERSONS NEAR CONSTRUCTION AREAS. BARRICADES, SIGNAGE, LIGHTS, FENCING ETC. MUST BE COORDINATED WITH COR PRIOR TO BEING IMPLEMENTED.
 - ACCESS TO BUILDING FOR THE WORK MUST BE THROUGH ENTRANCES IDENTIFIED BY COR.
 - KEEP HCF BUILDINGS ACCESSIBLE AT ALL TIMES FOR FAA DELIVERIES. COORDINATE WORK TO MINIMIZE IMPACT FOR FAA BUILDINGS TO RECEIVE DELIVERIES. COORDINATE WITH COR DELIVERY RECEIVING AREA REQUIREMENTS. CONTRACTOR MUST MAINTAIN FAA ACCESS TO FAA DUMPSTERS AT ALL TIMES.
 - USE OF HCF BUILDING LOADING DOCK MUST BE COORDINATED WITH COR.
 - DELIVERIES MUST BE SCHEDULED AND APPROVED IN ADVANCE WITH COR AND AT TIMES OTHER THAN FAA EMPLOYEE AFTERNOON SHIFT CHANGE TO AVOID CONGESTION. AFTERNOON SHIFT CHANGE OCCURS FROM 3:30 PM TO 5:00 PM. COORDINATE DELIVERIES WITH THE COR. DELIVERY VEHICLES MUST ONLY CONTAIN ITEMS BEING DELIVERED TO FAA. IF VEHICLE CONTAINS OTHER DELIVERIES, VEHICLES MUST NOT BE ALLOWED ON SITE.
 - HCF BUILDING ENTRANCES MUST REMAIN ACCESSIBLE TO FAA EMPLOYEES AND GUESTS, 24 HOURS A DAY, 7 DAYS A WEEK TO PROVIDE ENTRY TO AND EGRESS FROM HCF BUILDINGS. CONSTRUCTION FENCE, CONSTRUCTION, EQUIPMENT, MATERIAL, AND OTHER CONSTRUCTION MATERIAL MUST NOT OBSTRUCT ENTRANCE USE. A CLEAR, UNOBSTRUCTED PATH FOR PEDESTRIAN TRAFFIC MUST BE PROVIDED FROM PARKING LOTS TO EMPLOYEE AND MAIN BASE BUILDING ENTRANCES AND OTHER HCF FACILITIES. CHANGES TO, CLOSURES, OR OTHER ACTIVITY IMPACTING THE USE OF THE BUILDING ENTRANCES OR THE ACCESS/WALKWAY TO THE BUILDING ENTRANCES MUST BE COORDINATED AND APPROVED IN WRITING BY COR WITH A MINIMUM 10 DAYS BEFORE PERFORMANCE OF THE WORK.
 - PROVIDE TEMPORARY AND ABA-ACCESSIBLE WALKWAY TO HCF BUILDING ENTRANCES AS REQUIRED BY THE WORK. PROVIDE ABA-COMPLIANT RAMPS AT CURBS AND OTHER OBSTRUCTIONS WHERE REQUIRED. GRASS WALKWAY IS NOT ACCEPTABLE. ACCEPTABLE MATERIALS FOR TEMPORARY WALKWAY INCLUDE BOARDWALK, CONCRETE, OR OTHER UNYIELDED MATERIAL APPROVED FOR USE BY COR. PROVIDE FENCING AS REQUIRED TO DIRECT PEDESTRIAN TRAFFIC TO TEMPORARY WALKWAY. PROVIDE SIGNAGE INDICATING PEDESTRIAN ACCESS ROUTE TO HCF BUILDINGS AS REQUIRED AND COORDINATED WITH COR. PROVIDE EXIT/EGRESS LIGHTING ALONG LENGTH OF TEMPORARY WALKWAY. TEMPORARY LIGHTING MUST BE COORDINATED WITH AND APPROVED BY COR PRIOR TO INSTALLATION.
 - PROVIDE OVERHEAD PROTECTION AT HCF BUILDING ENTRANCES AND ALONG TEMPORARY WALKWAY FROM CONSTRUCTION AND FALLING DEBRIS. EXTENT AND CONSTRUCTION OF OVERHEAD PROTECTION TO BE COORDINATED WITH AND APPROVED BY COR.
 - DEVELOP RISK MITIGATION PLAN FOR CHANGES TO OR ACTIVITY IMPACTING THE USE OF THE HCF BUILDING ENTRANCES OR THE ACCESS/WALKWAY TO THE HCF BUILDING ENTRANCES. COORDINATE FINAL PLAN REQUIREMENTS WITH COR AND DIVISION 1 SPECIFICATIONS. RISK MITIGATION PLAN MUST ADDRESS, BUT IS NOT LIMITED TO, INFORMING OCCUPANTS AND VISITORS OF CONSTRUCTION ACTIVITY THAT AFFECTS FIRE PROTECTION AND LIFE SAFETY WITHIN THE FACILITY, ALTERNATIVE MEANS OF EGRESS FOR BUILDING OCCUPANTS, SIGNAGE, AND, IF REQUIRED PER COR, TRAINING WHEN THE ENTRANCE AND/OR WALKWAY ARE OUT OF SERVICE. PLAN MUST MINIMIZE TIME THAT ENTRANCE AND/OR WALKWAY ARE OUT OF SERVICE.
- D. CONTRACTOR PARKING
- CONTRACTOR PARKING MUST BE COORDINATED WITH COR. CONTRACTOR'S PARKING MUST BE LIMITED TO: CONSTRUCTION STAGING AREA AND AS NOTED. ADDITIONAL PARKING MUST BE OFF-SITE AND PROVIDED BY CONTRACTOR. EXISTING PARKING SPACES AT HCF ARE OFF-LIMITS FOR CONTRACTOR PARKING EXCEPT FOR INDICATED PARKING SPACES.
- E. CONSTRUCTION MATERIAL STORAGE
- STORAGE OF CONSTRUCTION MATERIALS ON SITE MUST BE LIMITED TO THE CONSTRUCTION STAGING AREA. MATERIALS MUST BE NEATLY STORED AND PROTECTED. LIGHTING MUST BE PROVIDED AT THE DISCRETION OF COR. DO NO DIGGING WITHOUT PRIOR PERMISSION FROM COR. BURIED CABLES (UNDERGROUND UTILITIES) MAY RUN THROUGH STAGING AREA AND ELSEWHERE.
 - THE CONSTRUCTION STAGING AREA MUST BE SURROUNDED BY A LOCKABLE FENCE. CONSTRUCTION OF THE FENCE MUST BE TO THE SATISFACTION OF THE COR. PROVIDE COR AND SECURITY WITH KEYS TO FENCE. COORDINATE NUMBER OF KEYS WITH COR.
- F. CONSTRUCTION DEBRIS
- ENCLOSED DUMPSTERS FOR DISPOSAL OF CONSTRUCTION DEBRIS MUST BE PROVIDED WITHIN THE CONSTRUCTION STAGING AREA. AREAS AROUND DUMPSTERS MUST BE KEPT CLEAN AND FREE OF EXCESS DEBRIS AND DUST DURING CONSTRUCTION. DEBRIS MUST BE REMOVED DAILY. PROVIDE SEPARATE DUMPSTER, IF REQUIRED, FOR ABATEMENT MATERIAL. QUANTITY AND POSITION OF DUMPSTERS MUST BE COORDINATED WITH THE COR PRIOR TO THEIR DELIVERY AND PLACEMENT.
- G. CONSTRUCTION OFFICE
- CONSTRUCTION TRAILER FOR OFFICE, MATERIALS AND EQUIPMENT STORAGE MUST BE LOCATED IN PROPOSED CONSTRUCTION TRAILER LOCATION. PROVIDE BOTTLED WATER. TEMPORARY POWER, DATA, AND TELEPHONE IS AVAILABLE, IF REQUIRED FOR CONSTRUCTION PURPOSES OF THE WORK. TRAILER POINT OF CONNECTION MUST BE DETERMINED AT PRECONSTRUCTION CONFERENCE. HOOK-UPS ARE THE RESPONSIBILITY OF CONTRACTOR.

- H. CONSTRUCTION TOILET FACILITIES
- PORTABLE CHEMICAL TOILETS MUST BE PROVIDED WITHIN THE CONSTRUCTION STAGING AREA. PORTABLE CHEMICAL TOILETS ARE NOT ALLOWED WITHIN THE HCF BUILDINGS. COORDINATE WITH THE COR FOR SCHEDULING OF SERVICE.
 - PROVIDE WASH STATIONS IN ADDITION TO PORTABLE TOILETS IN CONSTRUCTION STAGING AREA.
 - TOILET ROOMS INSIDE HCF BUILDINGS MUST NOT BE USED.
- I. DEMOLITION AND CONSTRUCTION HOURS
- HCF BUILDINGS ARE A 24 HOUR 7 DAY PER WEEK OPERATING FACILITY. THE OPS CENTER AND ENVIRONMENTAL SUPPORT AREAS OPERATE 24 HOURS 7 DAYS PER WEEK. SELECTIVE CONSTRUCTION ACTIVITY WILL BE LIMITED TO OFF-HOURS WORK TO MINIMIZE RISK TO THE OPERATIONAL FACILITY.
 - DO NOT INTERFERE WITH THE FUNCTION OF THIS FACILITY. DEMOLITION AND CONSTRUCTION NOISE MUST BE MINIMIZED BETWEEN 6:00 AM TO 6:00 PM. WORK DETERMINED BY THE COR TO BE DISRUPTIVE TO THE OPERATIONS MUST BE STOPPED AND RESCHEDULED TO BE PERFORMED DURING OFF-HOURS.
 - FAA HAS AND MAINTAINS EQUIPMENT THAT IS CRITICAL TO ITS OPERATION THROUGHOUT THIS FACILITY. COORDINATE WITH COR LOCATION OF CRITICAL EQUIPMENT THAT MAY BE AFFECTED BY THE WORK AND PROCEDURES TO PROTECT THIS AND OTHER FAA/ GOVERNMENT EQUIPMENT. WORK IN AREAS WITH CRITICAL EQUIPMENT MUST BE ACCOMPLISHED DURING OFF-HOURS OR AS APPROVED BY COR.
 - CONCRETE SAWING, CORE DRILLING, CONCRETE DEMOLITION AND ANCHOR DRILLING MUST BE ALLOWED ONLY AT PREARRANGED TIMES APPROVED BY COR. SCHEDULE, COORDINATE AND HAVE APPROVAL BY COR IN WRITING, A MINIMUM OF 10 WORKING DAYS BEFORE THE PERFORMANCE OF THE WORK.
- J. PARKING LOT, DRIVEWAY REPAIR, AND LANDSCAPED AREAS
- PROVIDE TEMPORARY, ABA-ACCESSIBLE PARKING EQUAL TO THE PERMANENT ACCESSIBLE PARKING WHILE PERMANENT ACCESSIBLE PARKING IS INACCESSIBLE OR OUT OF SERVICE. COORDINATE LOCATION WITH COR. PROVIDE REQUIRED STRIPING AND SIGNAGE AT TEMPORARY, ACCESSIBLE PARKING. AT COMPLETION OF THE WORK REPAIR TEMPORARY SPACES TO ORIGINAL CONDITION. COORDINATE ADDITIONAL REQUIREMENTS WITH CIVIL.
 - UPON COMPLETION OF WORK, REPAIR PAVED SURFACES AT AFFECTED WORK AREAS TO ORIGINAL CONDITION, INCLUDING STRIPING OF REPAIRED PAVED SURFACES.
 - DISTURBED LAWNS AND LANDSCAPING MUST BE RESTORED TO ORIGINAL CONDITION TO THE SATISFACTION OF COR. LAWN DAMAGE BY THE WORK MUST BE REPLACED TO MATCH EXISTING AND TO SATISFACTION OF COR. REFER TO CIVIL FOR ADDITIONAL INFORMATION.
- K. EQUIPMENT PROTECTION
- PROTECT NEW AND EXISTING FAA EQUIPMENT, BOTH INSIDE AND OUTSIDE BUILDING, FROM DAMAGE, INCLUDING BUT NOT LIMITED TO, DAMAGE CAUSED BY IMPACT, VIBRATIONS, WATER, ASBESTOS, DEBRIS AND DUST, INCLUDING CORE DRILLING.
 - SHUTDOWNS AND SWITCHOVERS OF MECHANICAL AND ELECTRICAL SYSTEMS MUST BE ACCOMPLISHED DURING OFF-HOURS AS INDICATED UNDER DEMOLITION AND CONSTRUCTION HOURS ON THIS SHEET. ONLY FAA MAY SHUT OFF MECHANICAL VALVES, COORDINATE SHUTTING OFF VALVES WITH COR. PREPARATORY WORK MUST BE COMPLETED PRIOR TO SHUTDOWN AND SWITCHOVER. SCHEDULE, COORDINATE AND HAVE APPROVAL IN WRITING BY COR WITH A MINIMUM OF 10 WORKING DAYS NOTICE IN ADVANCE OF PERFORMANCE OF WORK. ONLY FAA PERSONNEL MAY OPERATE CIRCUIT BREAKERS. REQUEST PERMISSION, COORDINATE, AND HAVE APPROVAL IN WRITING BY COR WITH A MINIMUM OF 10 WORKING DAYS NOTICE IN ADVANCE FOR EACH CASE OF BREAKER OPERATION. DO NOT OPEN (DE-ENERGIZE) OR CLOSE (ENERGIZE) CIRCUIT BREAKERS.
 - NO WELDING EQUIPMENT MUST BE POWERED BY THE FACILITY ELECTRICAL SYSTEM. WELDING MUST NOT BE PERMITTED IN FAA OCCUPIED AREAS UNLESS APPROVED IN WRITING BY COR. OSHA WORK PRACTICES MUST BE EXERCISED FOR ALL PHASES OF CONSTRUCTION INCLUDING WELDING OPERATIONS.
 - USE GREAT CARE AND CAUTION WHILE WORKING IN ALL AREAS OF THIS FACILITY. WORK MUST BE COORDINATED WITH COR. DISRUPTION OF THIS FACILITY MUST NOT BE PERMITTED.
 - EXISTING FAA AIR TRAFFIC EQUIPMENT MUST REMAIN OPERATIONAL THROUGHOUT DURATION OF THIS CONTRACT. PROVIDE CONTINUOUS PROTECTION OF THIS EQUIPMENT FROM PHYSICAL OR ELECTRICAL DAMAGE AS A RESULT OF INCIDENTAL OR ACCIDENTAL NEGLIGENCE SUCH AS, BUT NOT LIMITED TO, DISRUPTION OF POWER TO EQUIPMENT. NOTIFY COR IMMEDIATELY OF DAMAGE OR DISRUPTION OF ELECTRICAL AND/OR MECHANICAL SERVICES.
 - VENTS MUST NOT DISCHARGE NEAR AIR INTAKES OR WINDOWS. TAKE CARE NOT TO EXPOSE FAA EMPLOYEES TO FUMES, ODORS, OR OFF GASSING.
- L. AIRFIELD FOREIGN OBJECT DAMAGE (FOD) PREVENTION
- MAKE PROVISIONS FOR SECURING CONSTRUCTION MATERIALS AND DEBRIS ON THE ROOF, ON THE GROUND AND IN VEHICLES, TO ASSURE THAT NOTHING BECOMES LOOSE AND BLOWS AWAY IN WIND.



A8
G004

CONSTRUCTION STAGING PLAN

1" = 80'-0"

NOTE:
FINAL CONSTRUCTION STAGING AREA MUST BE DETERMINED AT PRECONSTRUCTION MEETING.

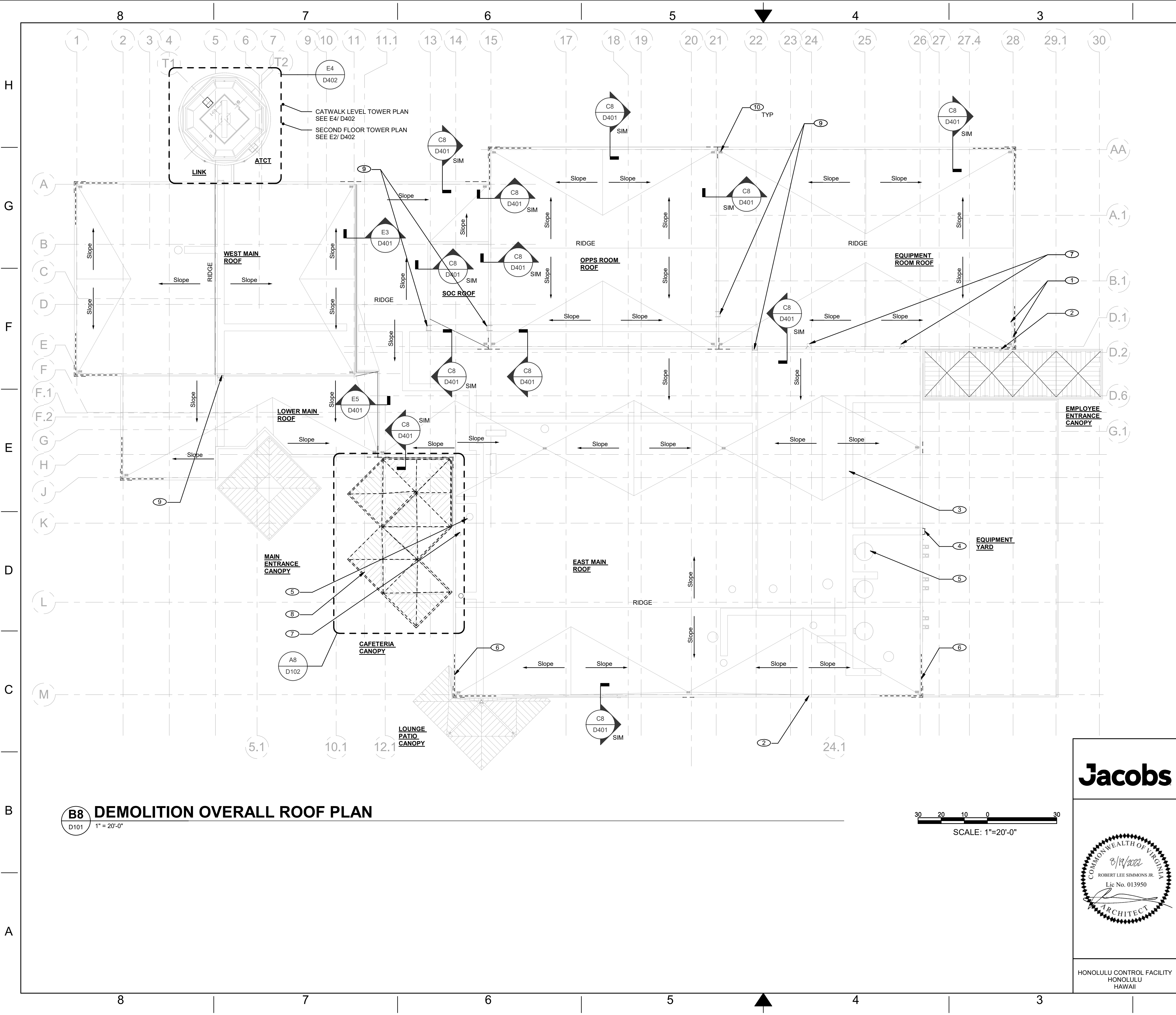
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HONOLULU CONTROL FACILITY
HONOLULU
HAWAII

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA					
HONOLULU CONTROL FACILITY HCF ROOFING					
CONSTRUCTION STAGING PLAN					
HONOLULU			HONOLULU CONTROL FACILITY (HCF)		HI
REVIEWED BY	SUBMITTED BY ARION SHAW	APPROVED BY VINCE WHITSEL			
	SUBMITTER'S TITLE PROJECT ENGINEER/ARCHITECT A.J.W.-2W11C	APPROVER'S TITLE MANAGER A.J.W.-2W11C			
	DESIGNED BY R.SIMMONS	ISSUED BY		DATE August 29, 2022	JCN 1604158
	DRAWN BY J.M.KANG	ENGINEERING SERVICES TERMINAL		DRAWING NO. HCF - D - ATCT - G004	REV.
	CHECKED BY W.STEVENS				



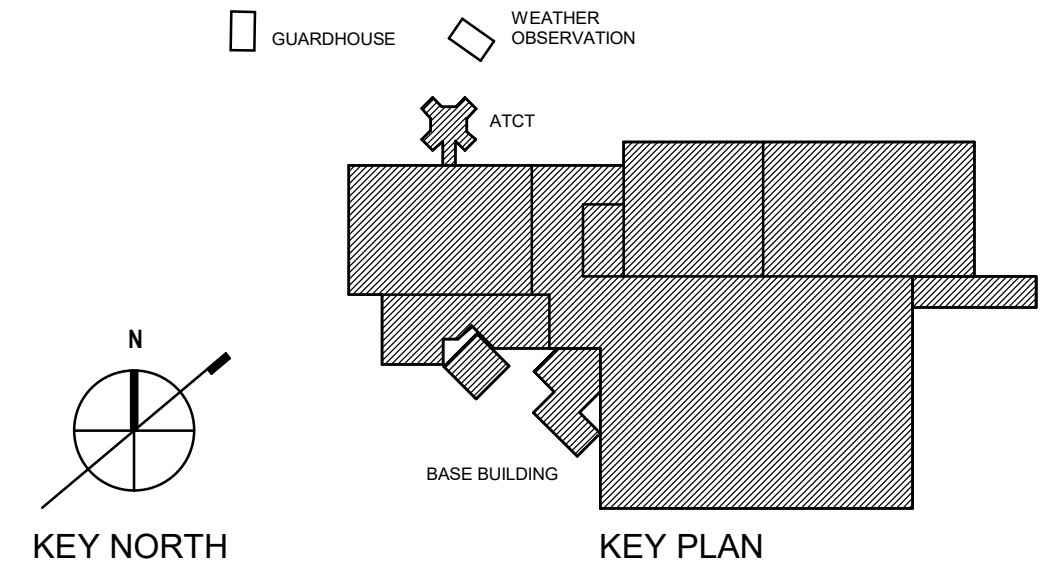
GENERAL SHEET NOTES

- A. LIGHTNING PROTECTION SYSTEM (LPS) REMOVAL AND REINSTALLATION MUST BE DONE IN PHASES ACCORDING TO ROOF REPLACEMENT PHASING PLAN. THE LPS WORK WILL BE CONCURRENT TO THE RE-ROOFING WORK (AREA BY AREA). DO NOT REMOVE ANY LPS PRIOR TO CONFIRMING THE RE-ROOFING WORK AREA. CONTRACTOR MUST MAINTAIN CONTINUITY OF THE LPS AT ALL TIMES. PROVIDE TEMPORARY LPS AS REQUIRED.

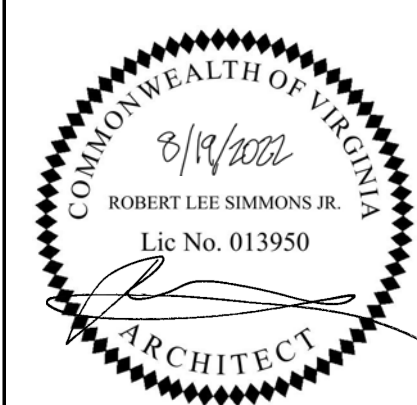
DEMOLITION KEYNOTES

- EXISTING ANTENNAS WILL BE TEMPORARILY REMOVED OR RELOCATED BY FAA, IF AND AS REQUIRED.
- EXISTING SECURITY CAMERA WILL BE TEMPORARILY REMOVED OR RELOCATED BY FAA, IF AND AS REQUIRED.
- EXISTING ROOF WALKING PADS TO REMAIN, TYP, UNLESS REMOVAL OF THE WALK PADS IS REQUIRED FOR PROPER, SECURE AND FLAT INSTALLATION OF THE NEW ROOFING SYSTEM.
- REMOVE EQUIPMENT YARD LADDER
- EXISTING MECHANICAL EQUIPMENT TO REMAIN, TYP
- REMOVE EXISTING RAILING, TYP
- FAA WILL REMOVE EXISTING SATELLITE DISH AND SAVE FOR REUSE. COORDINATE WITH COR
- REMOVE ALL STANDING-SEAM METAL ROOFING AND GUTTERS ON THE CAFETERIA CANOPY, STRUCTURAL FRAMING, METAL ROOF DECKING, AND GUTTERS SUPPORT FRAMING TO REMAIN.
- EXISTING ROOF LADDERS TO REMAIN, TYP
- EXISTING ROOF DRAINS TO REMAIN. REPLACE ROOF DRAIN COVERS, TYP. SEE DETAIL F8/A402

KEY PLAN

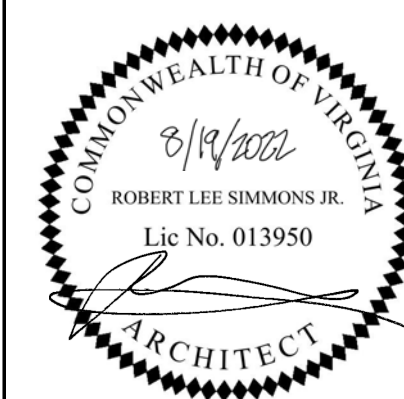
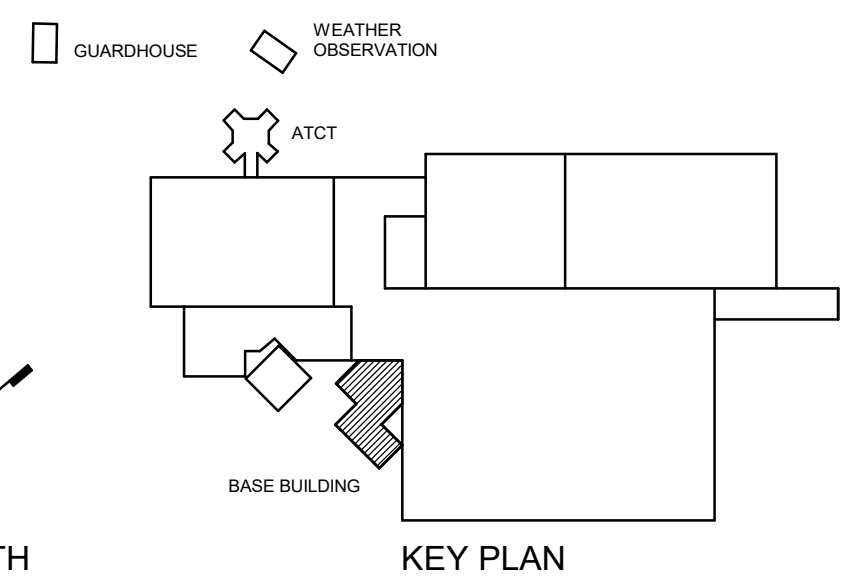
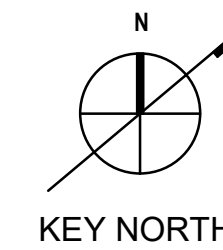


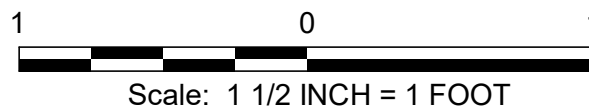
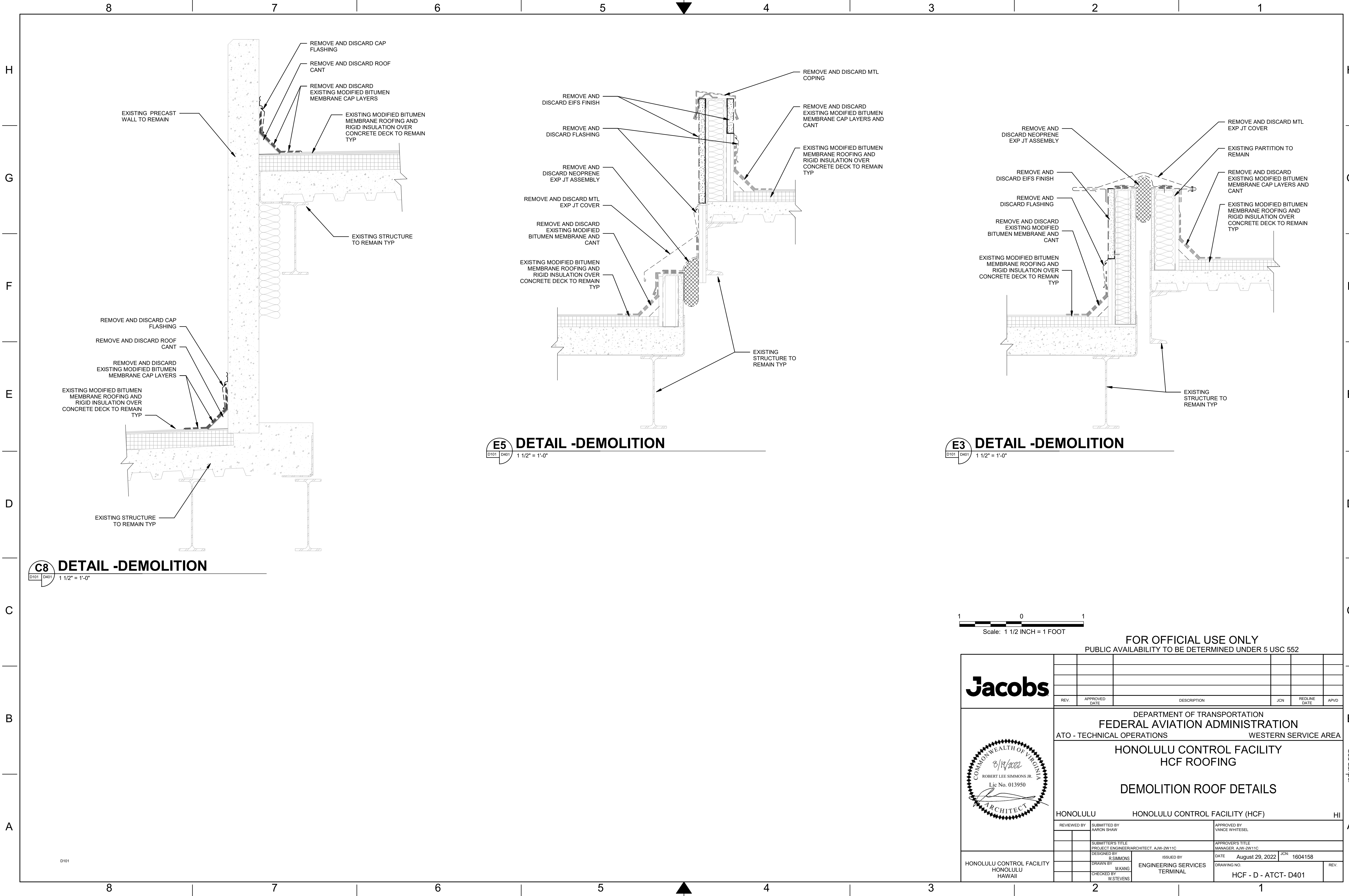
Jacobs



HONOLULU CONTROL FACILITY
HONOLULU HAWAII

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA					
HONOLULU CONTROL FACILITY HCF ROOFING					
DEMOLITION OVERALL ROOF PLAN					
HONOLULU		HONOLULU CONTROL FACILITY (HCF)			HI
REVIEWED BY	SUBMITTED BY ARON SHAW	APPROVED BY VANCE WHITESEL			
SUBMITTER'S TITLE PROJECT ENGINEER/ARCHITECT, A/JW-2W11C		APPROVER'S TITLE MANAGER, A/JW-2W11C			
DESIGNED BY R. SIMMONS		DATE August 29, 2022		JCN: 1604158	
DRAWN BY M. KANG		ENGINEERING SERVICES TERMINAL		DRAWING NO. HCF - D - ATCT - D101	
CHECKED BY W. STEVENS				REV.	

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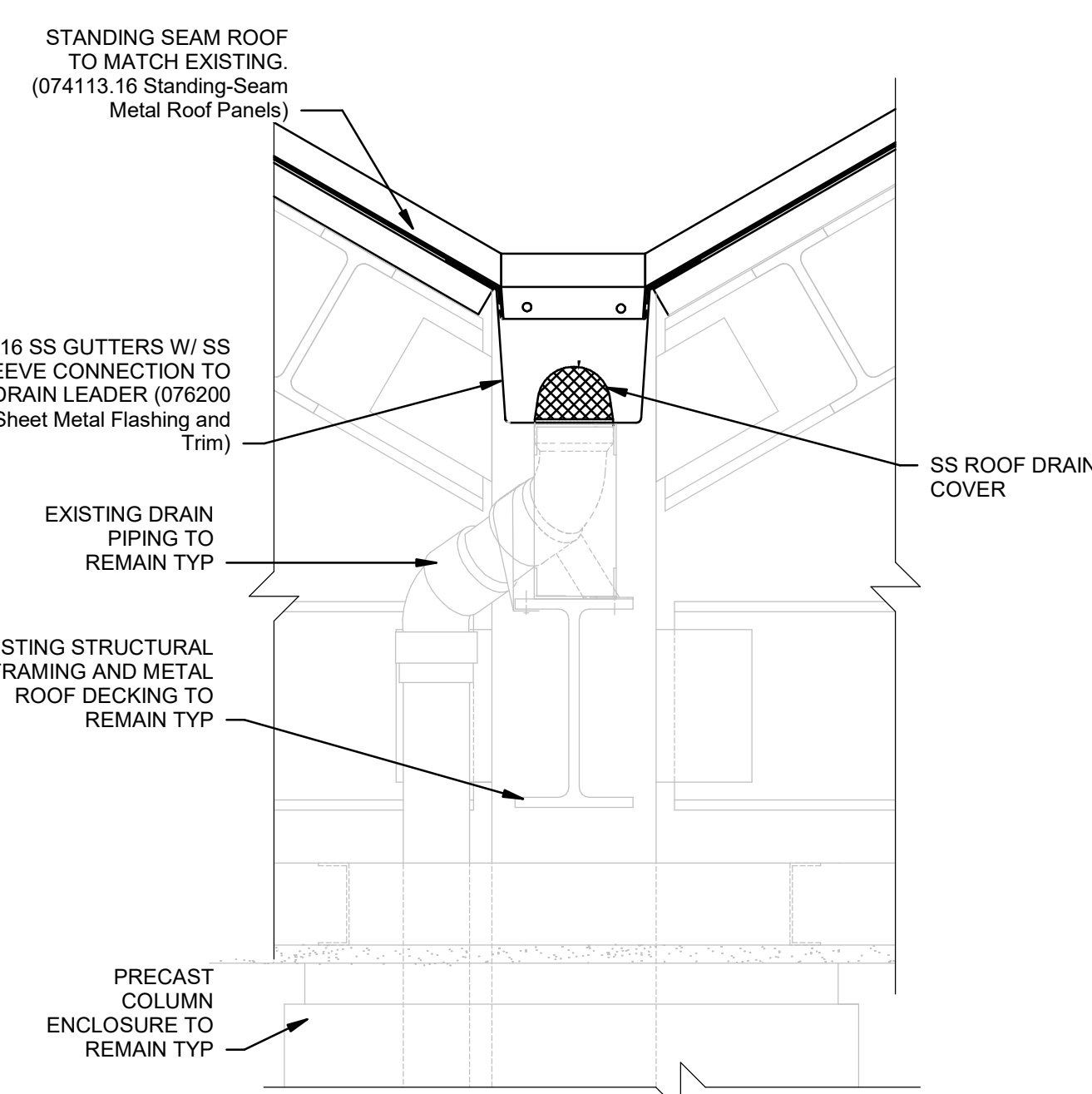


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Jacobs											
REV.	APPROVED DATE	DESCRIPTION						JCN	REDLINE DATE	APVD	
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA											
HONOLULU CONTROL FACILITY HCF ROOFING											
DEMOLITION ROOF DETAILS											
HONOLULU HONOLULU CONTROL FACILITY (HCF) HI											
REVIEWED BY	SUBMITTED BY AARON SHAW			APPROVED BY VANCE WHITESEL							
		SUBMITTER'S TITLE PROJECT ENGINEER/ARCHITECT A/JW-2W11C			APPROVER'S TITLE MANAGER A/JW-2W11C						
		DESIGNED BY R. SIMMONS			ISSUED BY ENGINEERING SERVICES TERMINAL			DATE August 29, 2022		JCN: 1604158	
		DRAWN BY M. KANG						DRAWING NO. HCF - D - ATCT - D401		REV.	
		CHECKED BY W. STEVENS									
HONOLULU CONTROL FACILITY HONOLULU HAWAII											

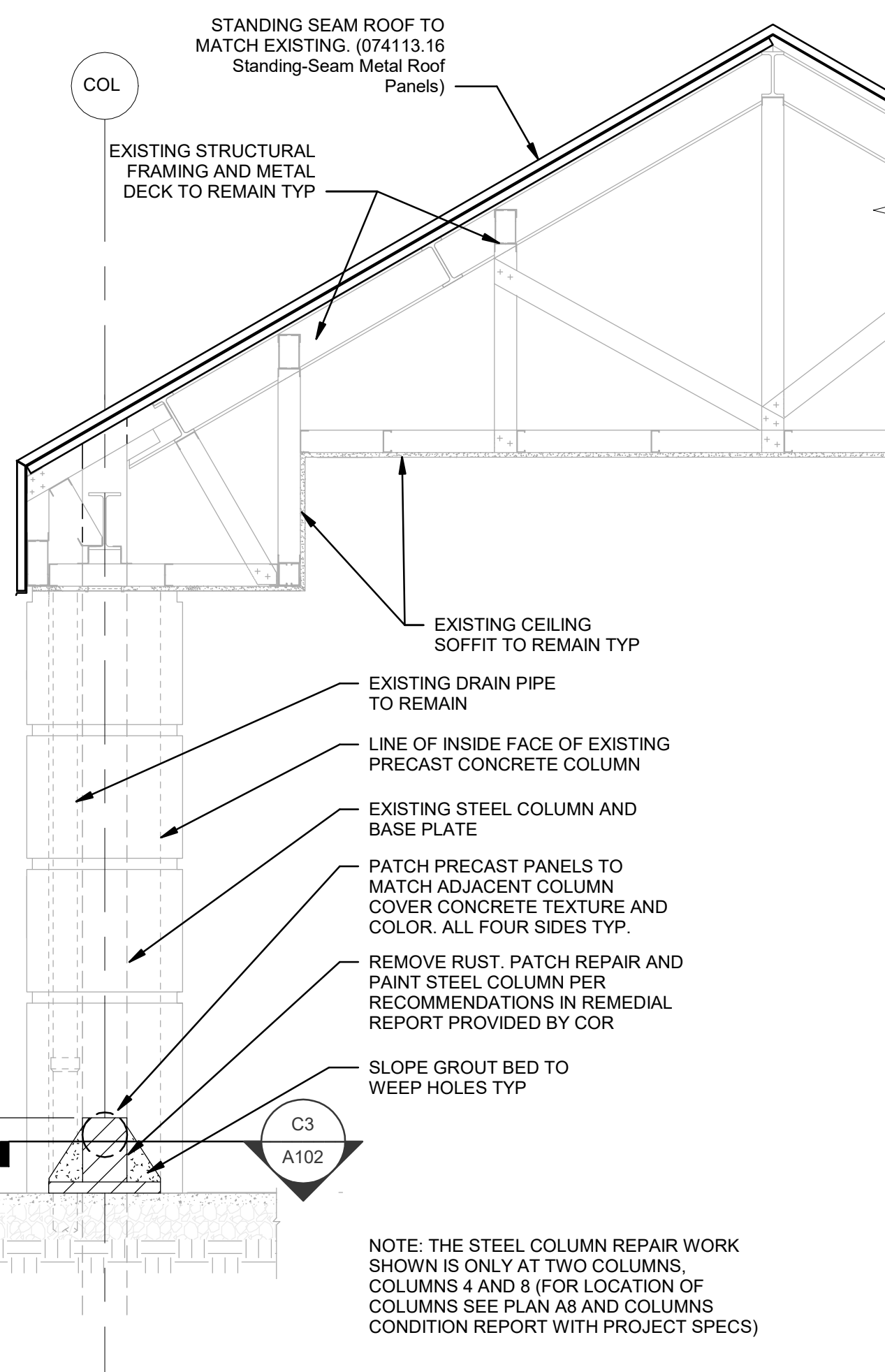


<div>Jacobs</div>											
REV.	APPROVED DATE	DESCRIPTION						JCN	REDLINE DATE	APVD	
<div><div><div>COMMONWEALTH OF VIRGINIA</div><div>8/19/2022</div><div>ROBERT LEE SIMMONS JR.</div><div>Lic No. 013950</div><div>ARCHITECT</div></div></div>		DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONSWESTERN SERVICE AREA									
		HONOLULU CONTROL FACILITY HCF ROOFING									
		DEMOLITION AT ATCT CATWALK									
		HONOLULU			HONOLULU CONTROL FACILITY (HCF)						HI
		REVIEWED BY	SUBMITTED BY AARON SHAW					APPROVED BY VANCE WHITESSEL			
			SUBMITTER'S TITLE PROJECT ENGINEER/ARCHITECT, AIJW-2W11C					APPROVER'S TITLE MANAGER, AIJW-2W11C			
	DESIGNED BY R. SIMMONS			ISSUED BY			DATE	August 29, 2022	JCN1604158		
	DRAWN BY M.KANG			ENGINEERING SERVICES TERMINAL			DRAWING NO.				
	CHECKED BY W. STEVENS						HCF - D - ATCT- D402			REV.	
HONOLULU CONTROL FACILITY HONOLULU HAWAII											



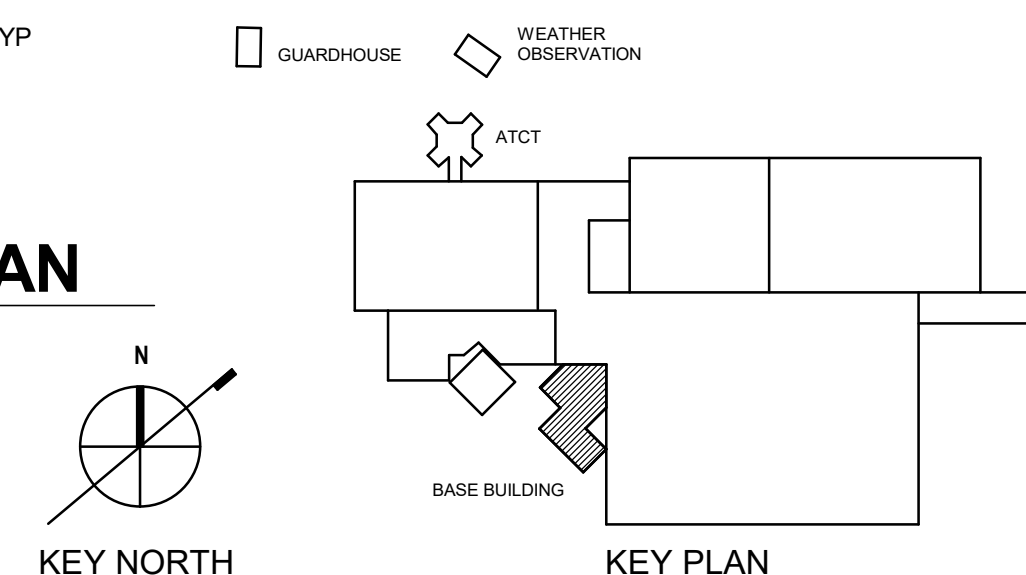
F4 **DETAIL- NEW WORK**
A102 1 1/2" = 1'-0"

F2 **DETAIL- NEW WORK**
A102 1 1/2" = 1'-0"



C3 **DETAIL- CANOPY COLUMN PLAN**
A102 1 1/2" = 1'-0"

NOTE: THIS DETAIL IS AT COLUMNS 4 AND 8, WHERE SHOWN ON A8/A102.

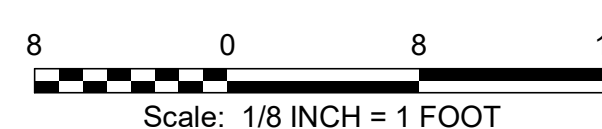
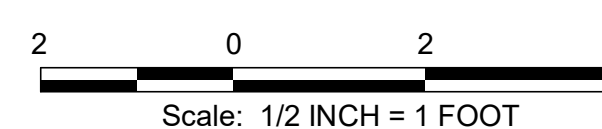
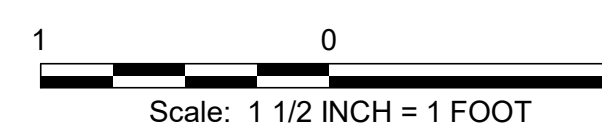


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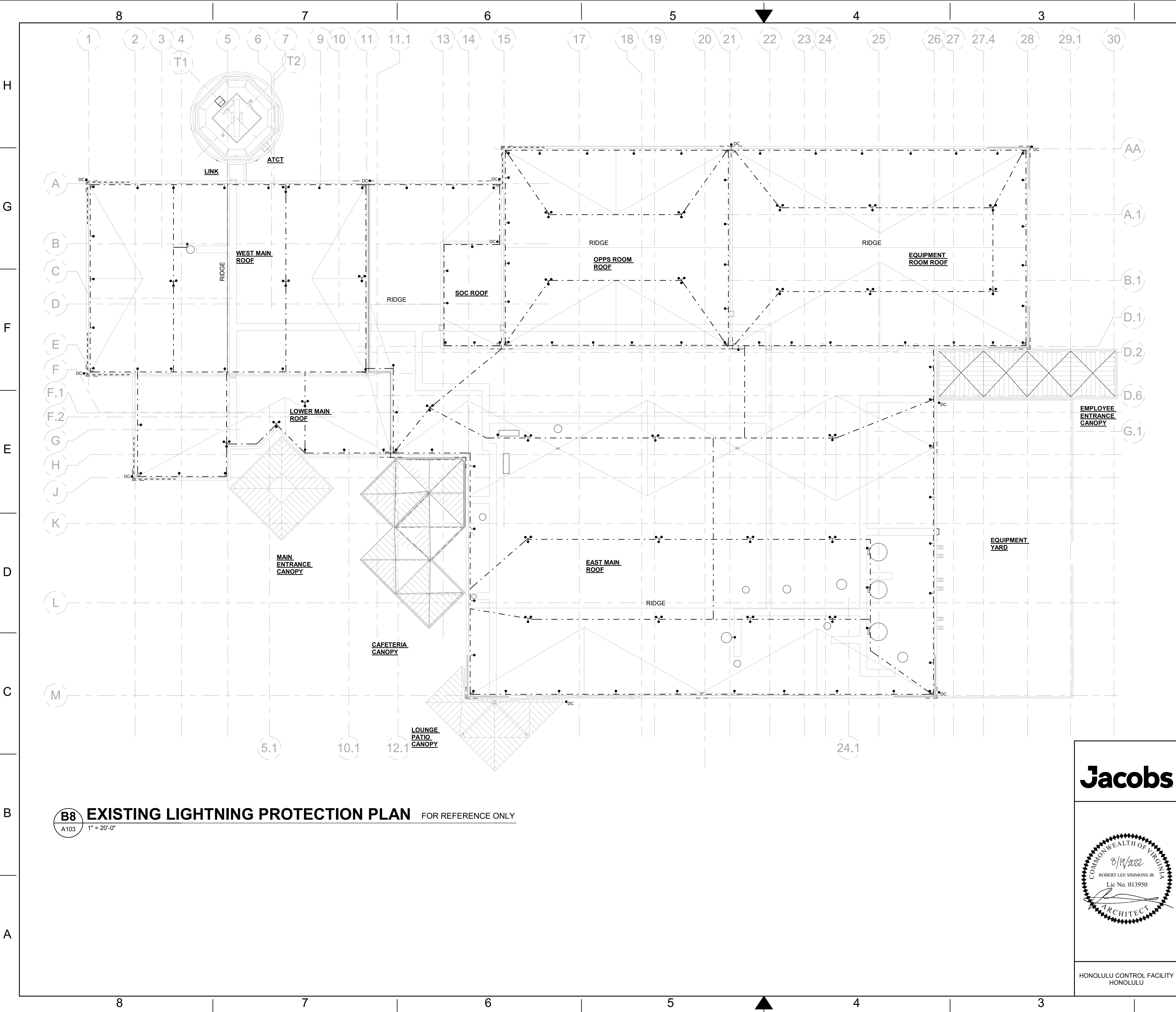
NOTE: PROVIDE REMEDIAL RUST REPAIR AT COLUMNS #4 AND #8
REFERENCE STEEL COLUMN CONDITION DOCUMENTATION
REPORT BY ALLANA BUICK & BERS, INC (ABB) DATED 4/22/2022.
SEE THE SPECIFICATIONS.

NOTE: THE STEEL COLUMN REPAIR WORK SHOWN IS ONLY AT TWO COLUMNS, COLUMNS 4 AND 8 (FOR LOCATION OF COLUMNS SEE PLAN A8 AND COLUMNS CONDITION REPORT WITH PROJECT SPECS)



HONOLULU CONTROL FACILITY
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[illegible]



B8 EXISTING LIGHTNING PROTECTION PLAN FOR REFERENCE ONLY
A103 1" = 20'-0"

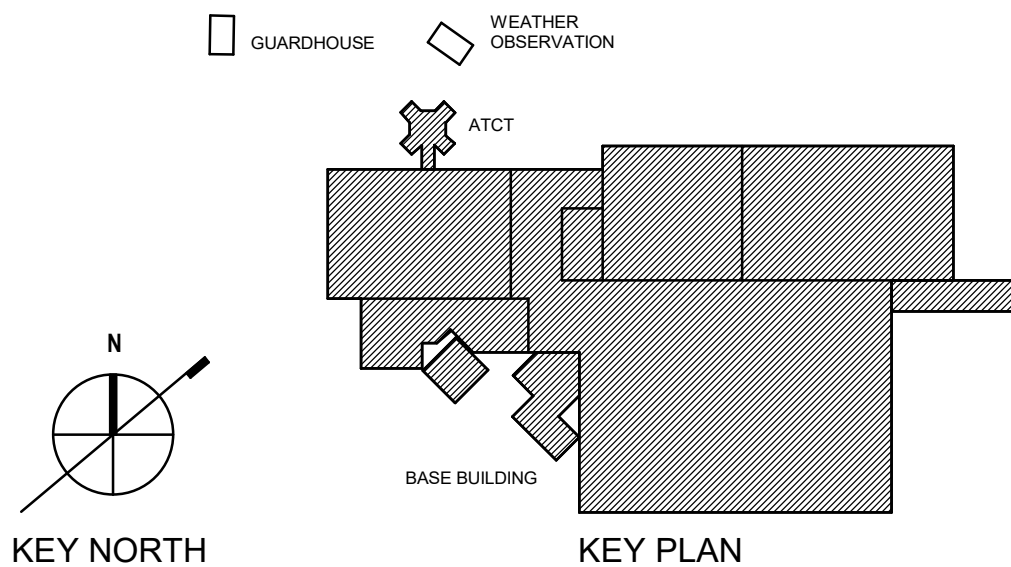
GENERAL SHEET NOTES

- A. THE EXISTING LIGHTNING PROTECTION PLAN IS DIAGRAMMATIC AND IS FOR REFERENCE ONLY. THIS PLAN IS NOT EXHAUSTIVE AND DOES NOT REPRESENT ALL ELEMENTS THAT EXISTS IN THE SYSTEM.
- B. LIGHTNING PROTECTION SYSTEM (LPS) REMOVAL AND REINSTALLATION MUST BE DONE IN PHASES ACCORDING TO ROOF REPLACEMENT PHASING PLAN. THE LPS WORK WILL BE CONCURRENT TO THE RE-ROOFING WORK (AREA BY AREA). DO NOT REMOVE ANY LPS PRIOR TO CONFIRMING THE RE-ROOFING WORK AREA. CONTRACTOR MUST MAINTAIN CONTINUITY OF THE LPS AT ALL TIMES. PROVIDE TEMPORARY LPS AS REQUIRED.

LEGEND

- ANTENNA ROOF MTD
- ANTENNA PARAPET MTD OR HVAC EQUIPMENT MTD
- CABLE
- DC DOWN- CONDUCTOR CABLE

KEY PLAN



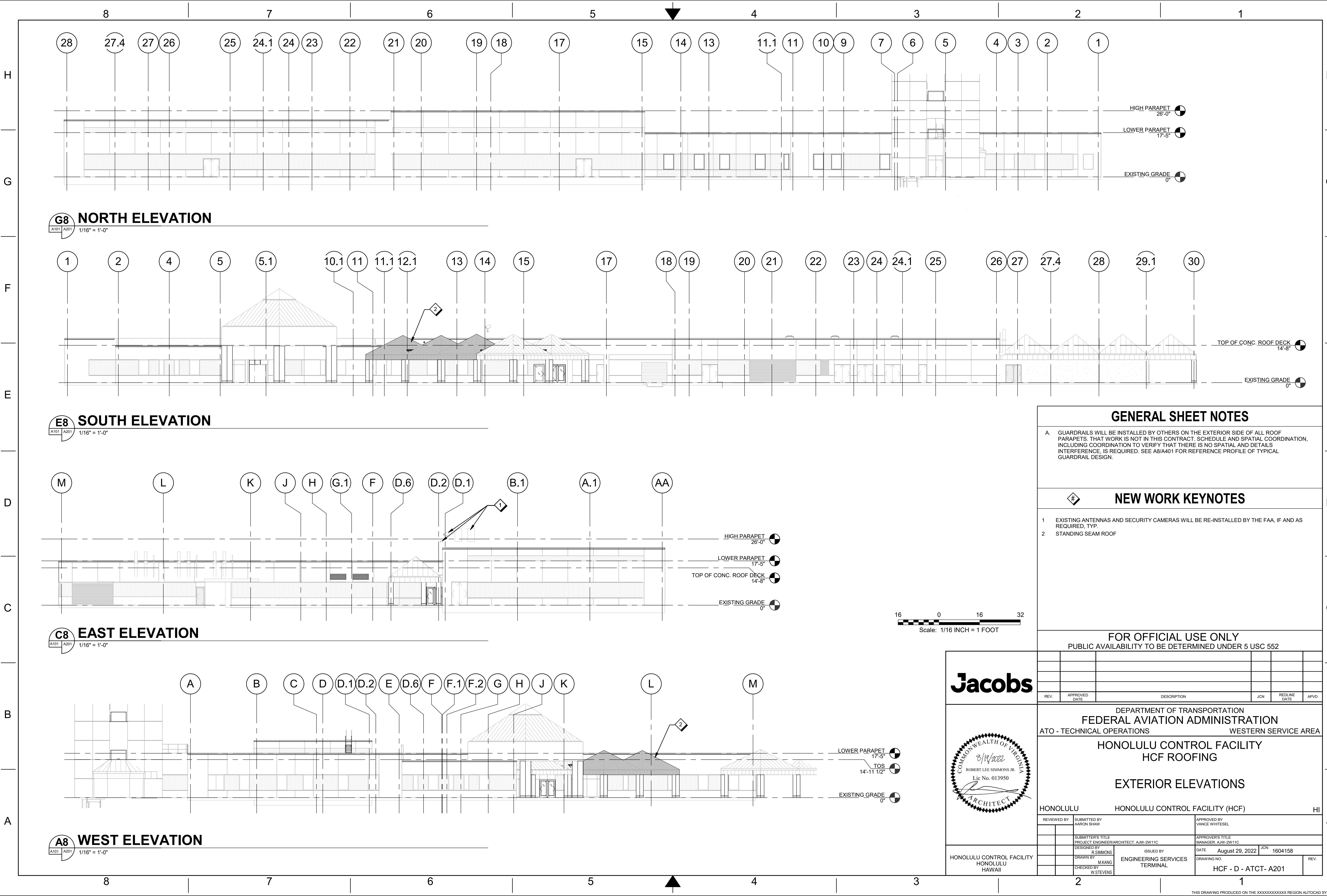
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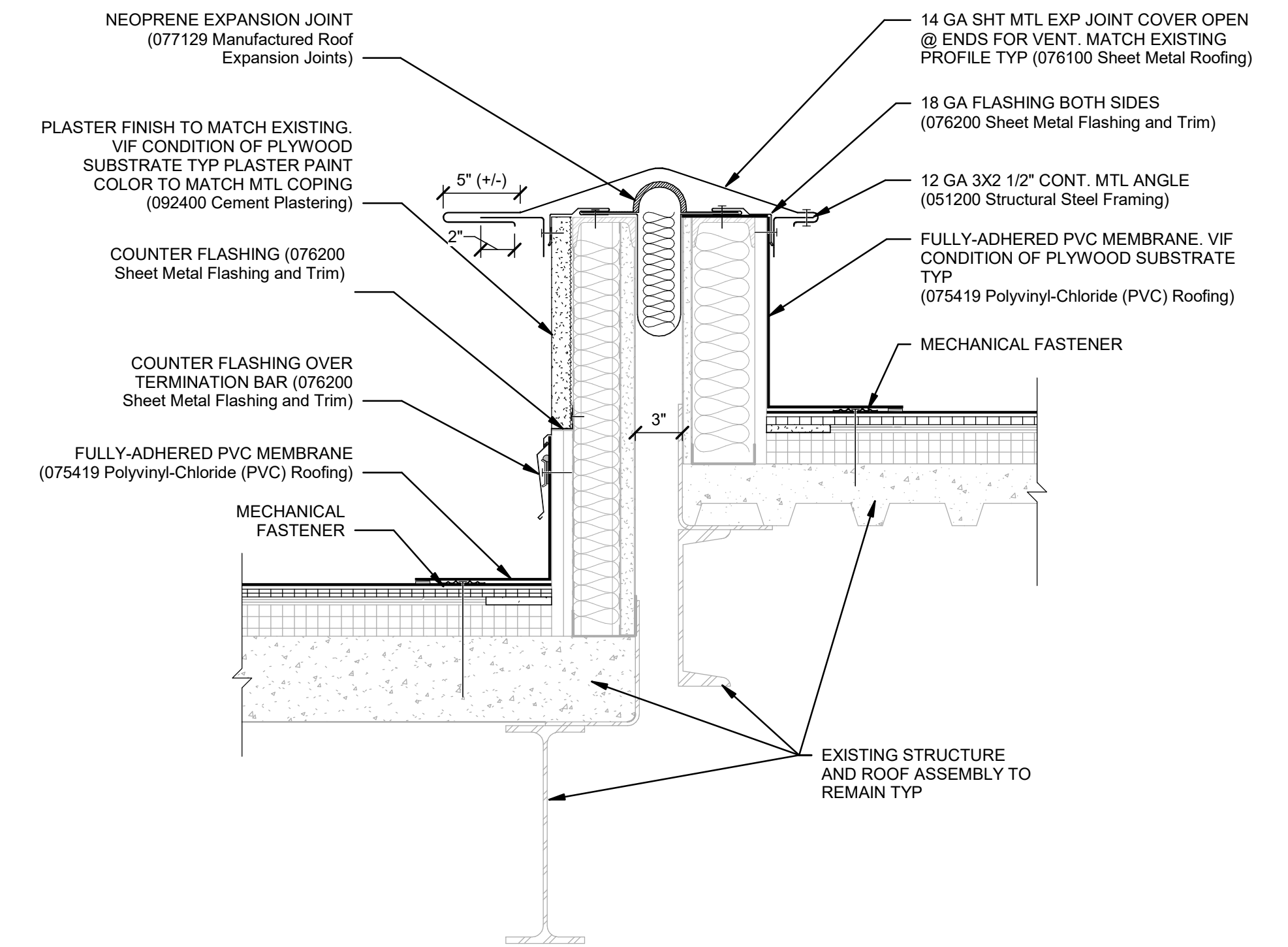
Jacobs



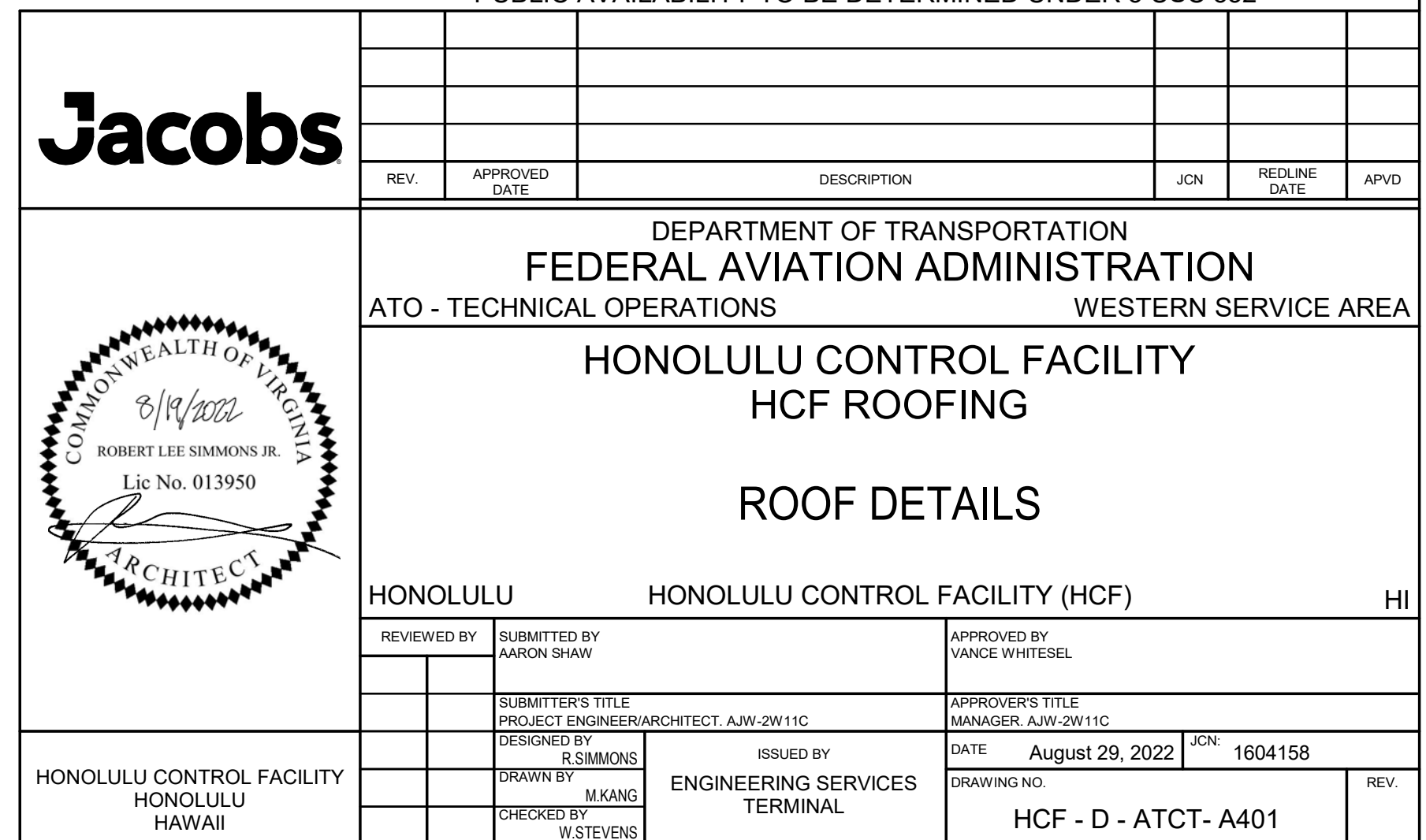
HONOLULU CONTROL FACILITY
HONOLULU

REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA					
HONOLULU CONTROL FACILITY HCF ROOFING					
EXISTING LIGHTNING PROTECTION LAYOUT					
HONOLULU			HONOLULU CONTROL FACILITY (HCF)		HI
REVIEWED BY	SUBMITTED BY AARON SHAW	APPROVED BY VANCE WHITESEL			
	SUBMITTER'S TITLE PROJECT ENGINEER/ARCHITECT A/JW-2W11C	APPROVER'S TITLE MANAGER A/JW-2W11C			
	DESIGNED BY Designer	ISSUED BY	DATE August 29, 2022	JCN: 1604158	
	DRAWN BY Author	ENGINEERING SERVICES TERMINAL	DRAWING NO. HCF - D - ATCT- A103	REV.	
	CHECKED BY Checker				





E5 DETAIL- NEW WORK
A101 A401 1 1/2" = 1'-0"



8

7

6

5

4

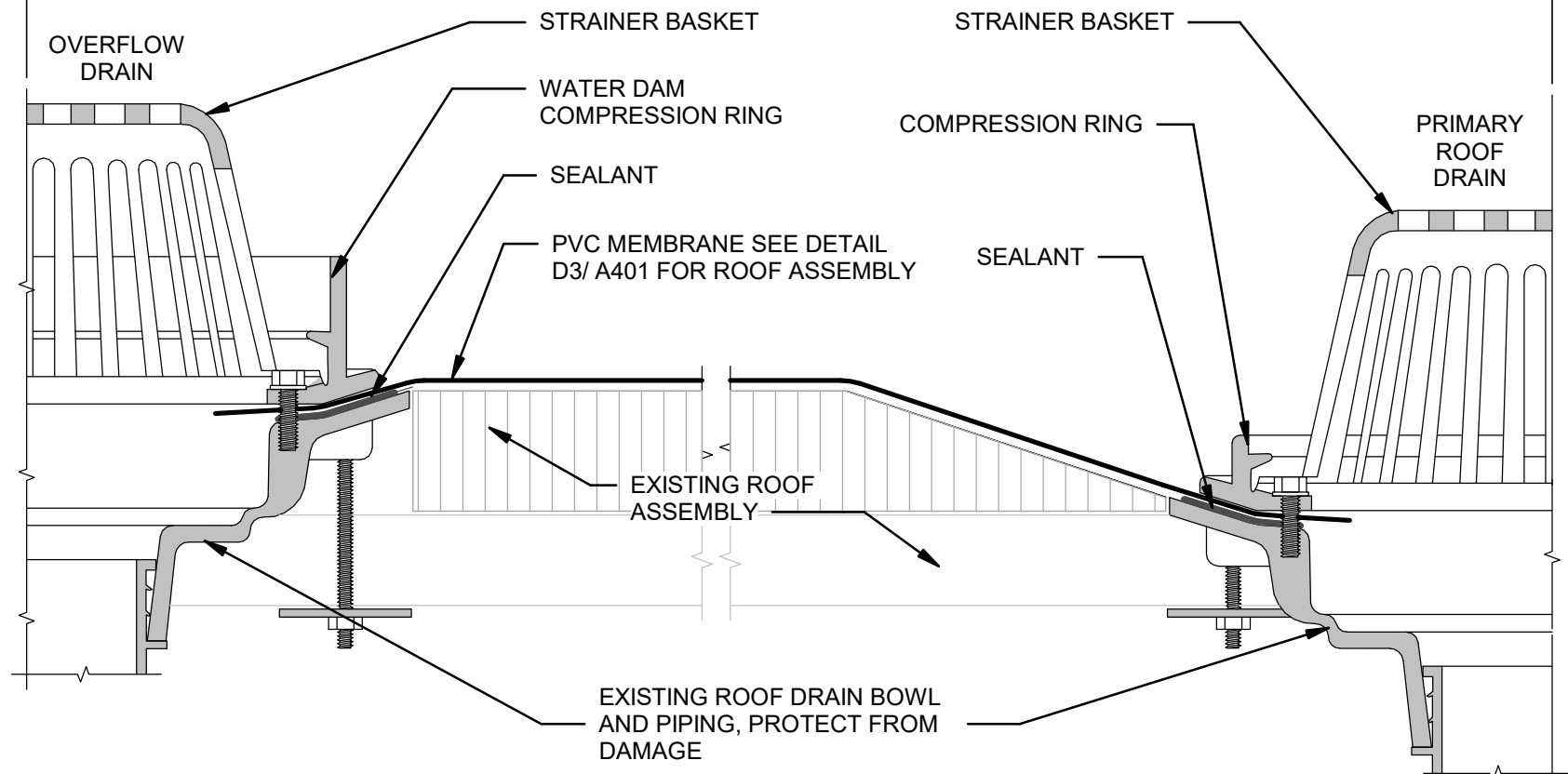
3

2

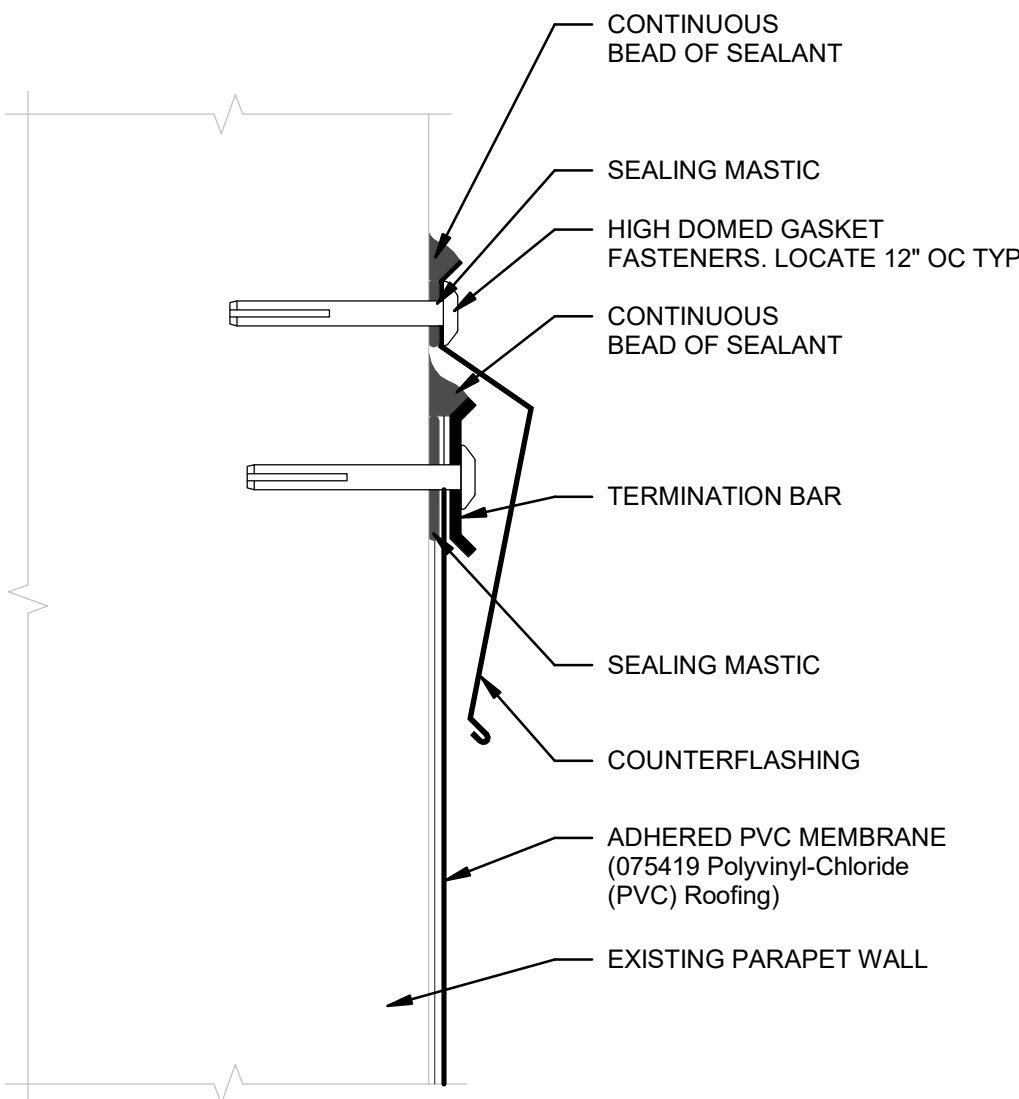
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NOTE: REMOVE EXISTING STRAINER BASKET AND COMPRESSION RING FOR REINSTALLATION OF PVC MEMBRANE AND REINSTALL.

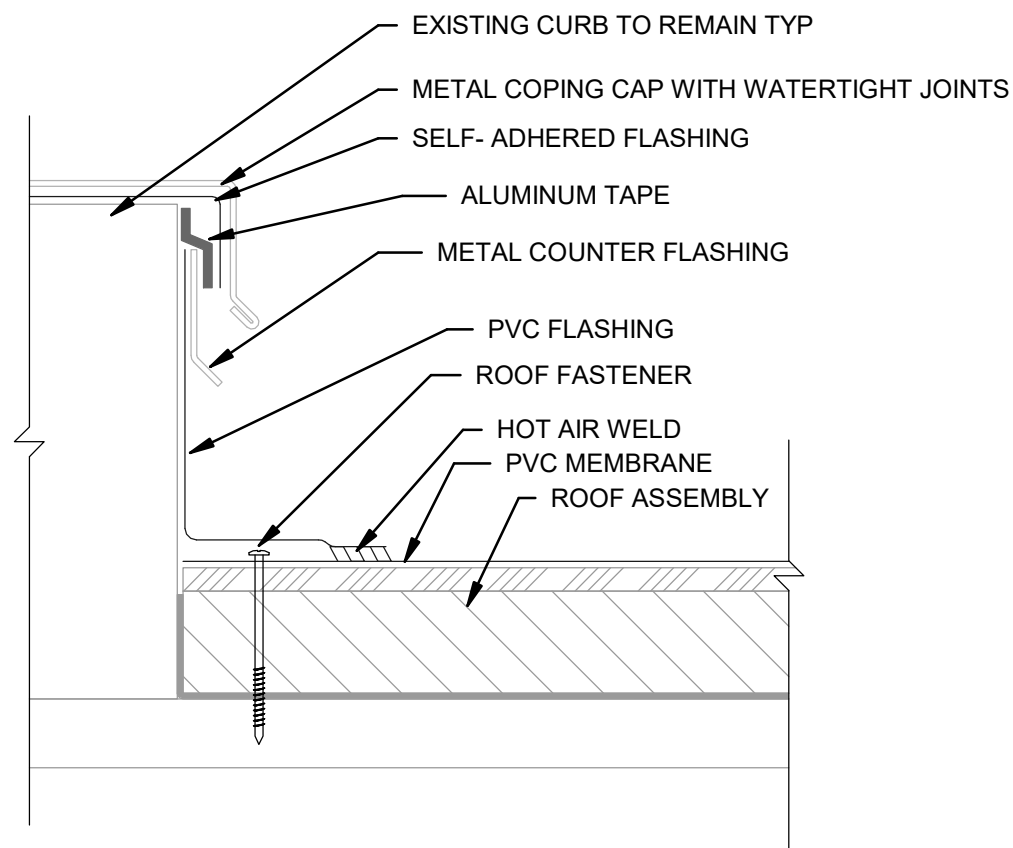
24" MIN VIF

**F8 DETAIL- PRIMARY- OVERFLOW DRAIN**

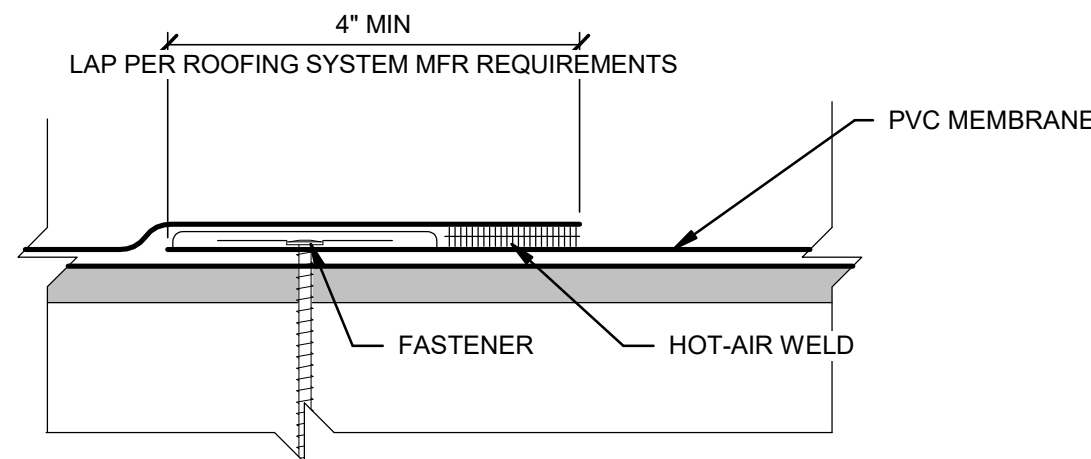
A101 A402 6" = 1'-0"

**D8 DETAIL-TERM BAR-FLASHING**

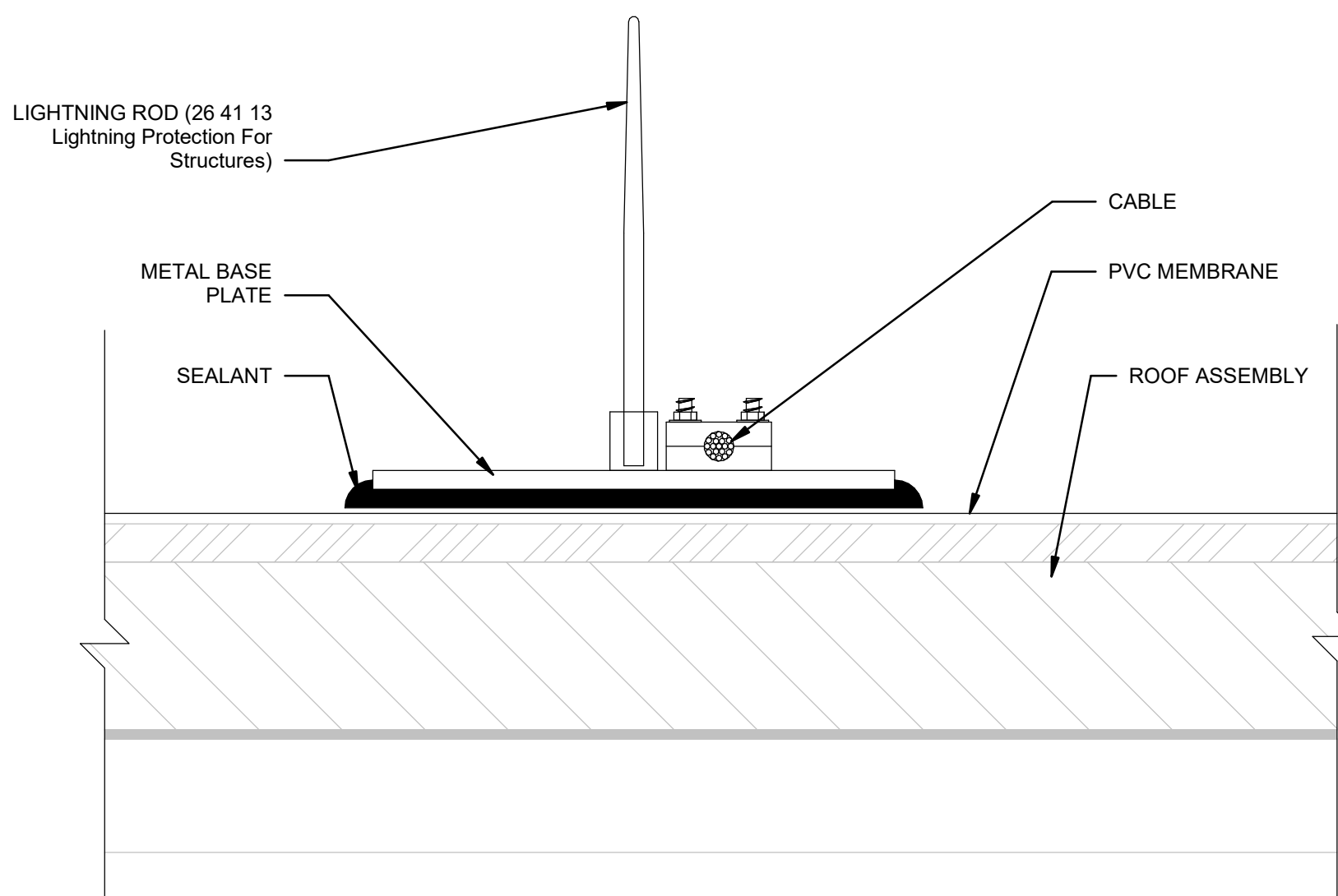
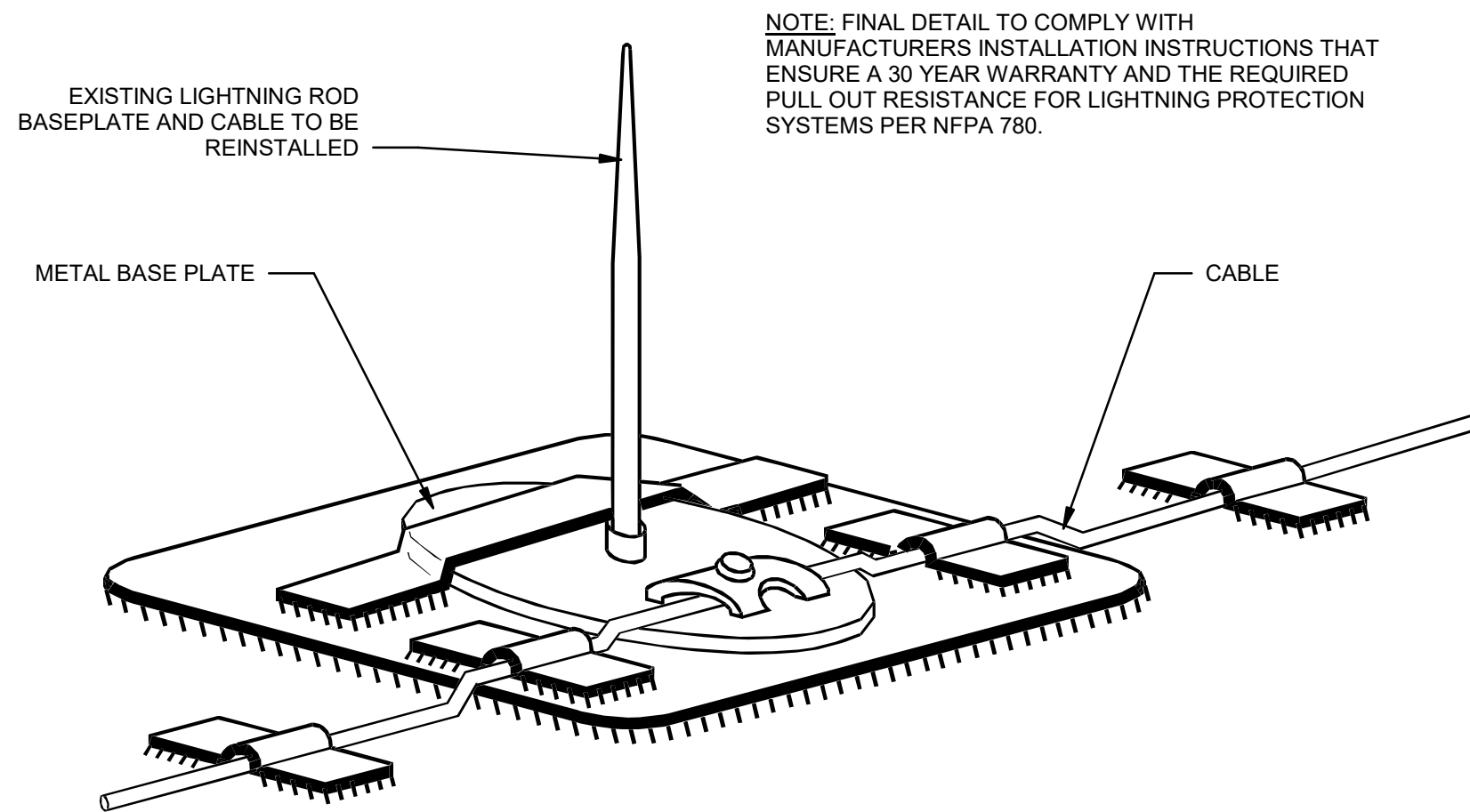
A401 A402 6" = 1'-0"

**A8 TYPICAL DETAIL MECHANICAL CURB**

A101 A402 3" = 1'-0"

**G5 TYPICAL ROOFING MEMBRANE SEAM**

A402 6" = 1'-0"

**D3 TYPICAL DETAIL LIGHTNING ROD**

A402 6" = 1'-0"

0 4" 8" 12"

Scale: 3 INCH = 1 FOOT

0 2" 4" 6"

Scale: 6 INCH = 1 FOOT

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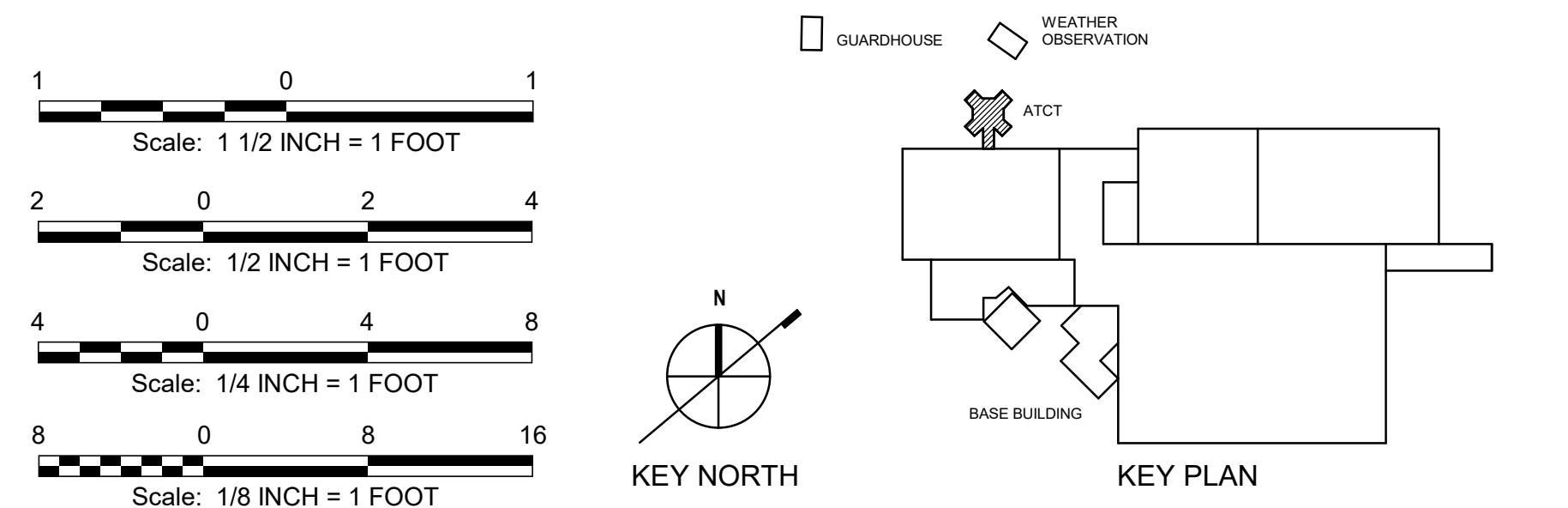
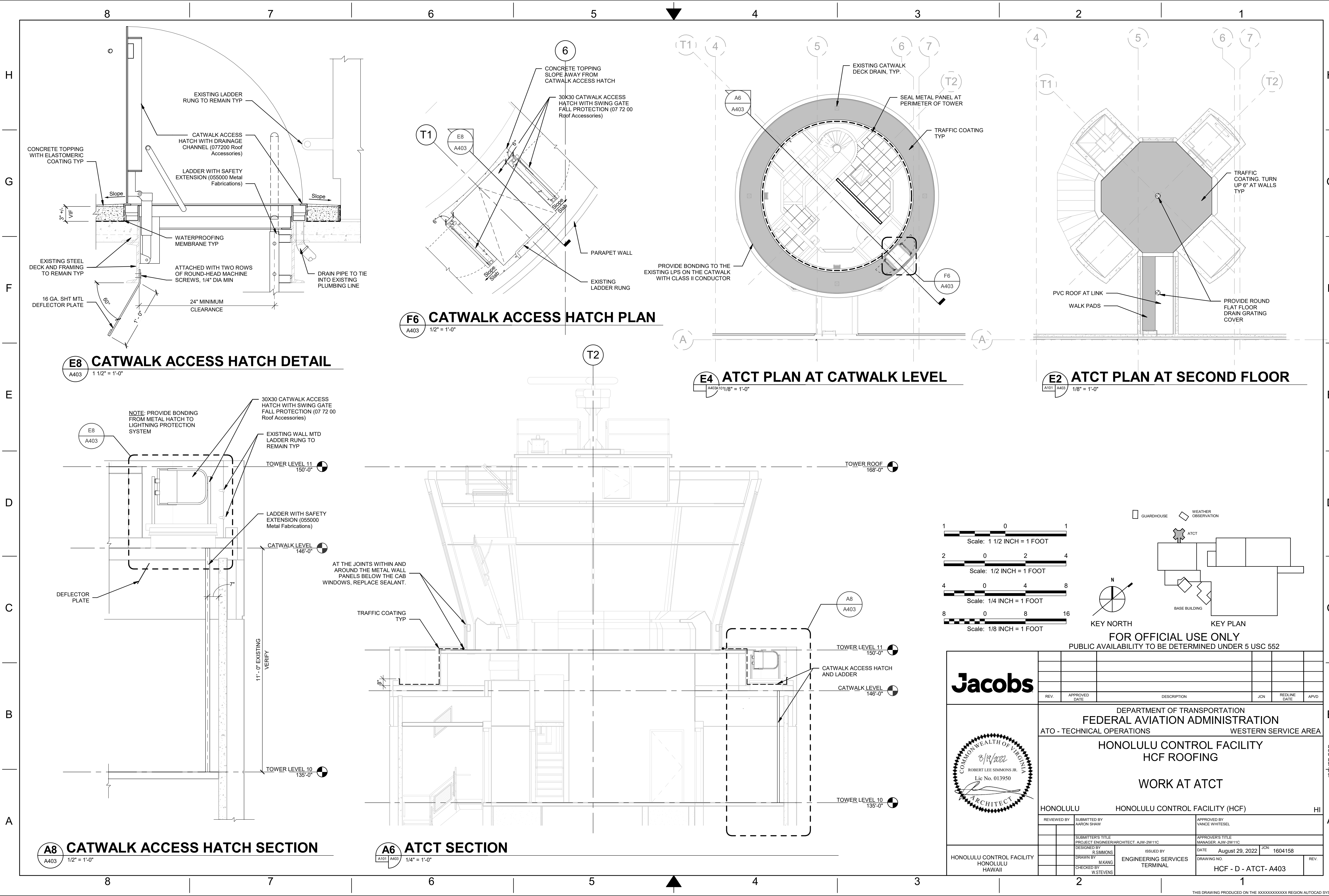
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA

HONOLULU CONTROL FACILITY
HCF ROOFING

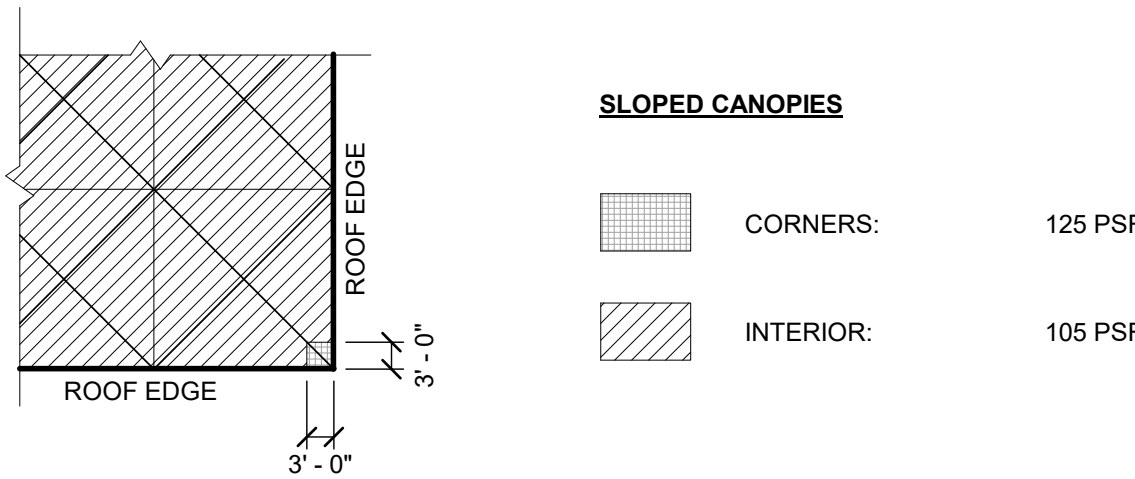
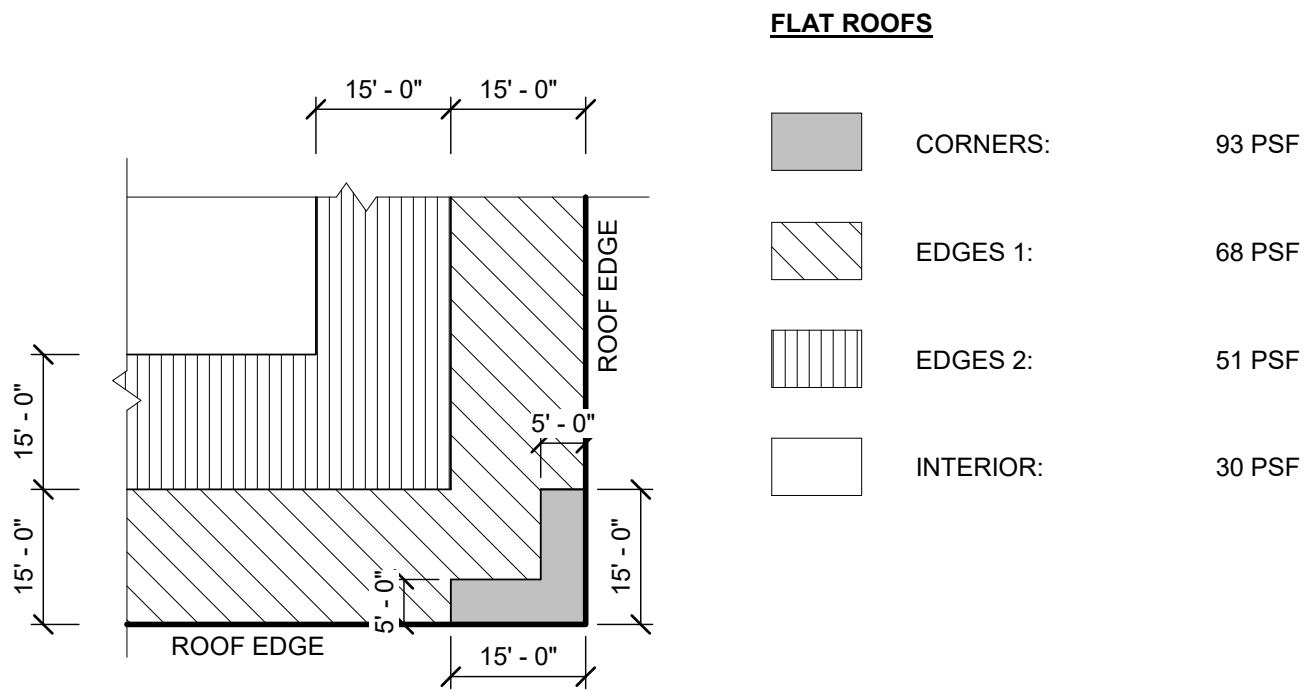
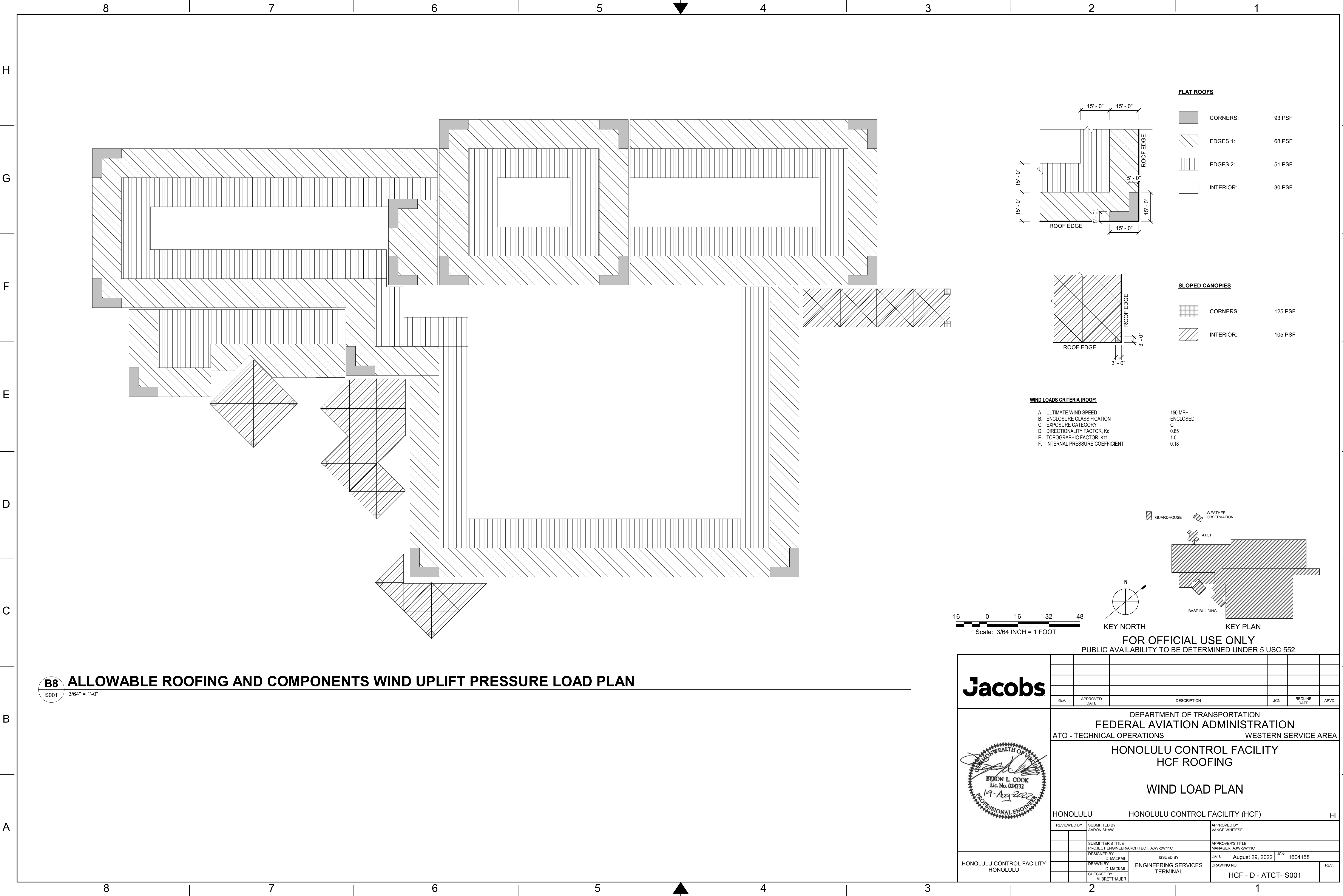
ROOF DETAILS

HONOLULU HONOLULU CONTROL FACILITY (HCF) HI

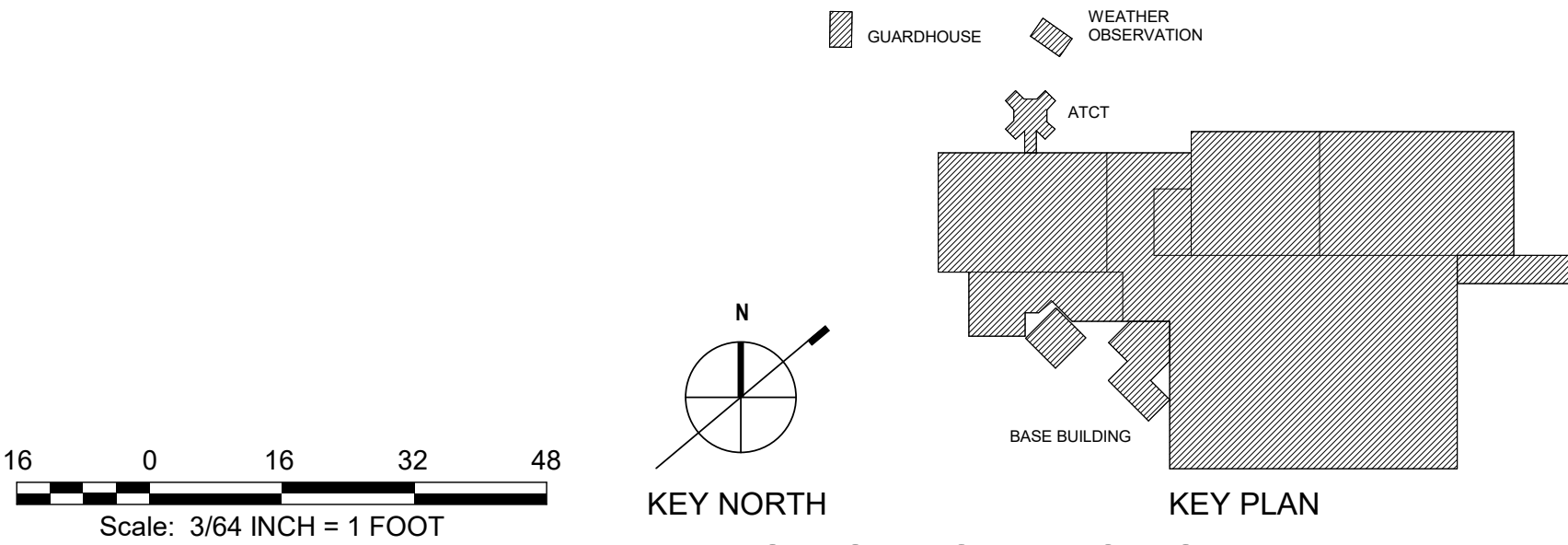
REVIEWED BY	SUBMITTED BY AARON SHAW	APPROVED BY VANCE WHITESEL
SUBMITTER'S TITLE PROJECT ENGINEER/ARCHITECT A.J.W.-2W11C	APPROVER'S TITLE MANAGER A.J.W.-2W11C	
DESIGNED BY R. SIMMONS	ISSUED BY ENGINEERING SERVICES TERMINAL	DATE August 29, 2022
DRAWN BY J. KANG	CHECKED BY W. STEVENS	JCN: 1604158
HONOLULU CONTROL FACILITY HONOLULU HAWAII		DRAWING NO. HCF - D - ATCT- A402
		REV.



FOR OFFICIAL USE ONLY PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552										
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REV.	APPROVED DATE	DESCRIPTION				JCN	REDLINE DATE	APVD		
<div><div>COMMONWEALTH OF VIRGINIA</div><div>8/19/2022</div><div>ROBERT LEE SIMMONS JR.</div><div>Lic No. 013950</div><div>ARCHITECT</div></div>		DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA								
		HONOLULU CONTROL FACILITY HCF ROOFING								
		WORK AT ATCT								
		HONOLULU CONTROL FACILITY (HCF)								
		HI								
		REVIEWED BY	SUBMITTED BY AARON SHAW				APPROVED BY VANCE WHITESEL			
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				DRAWN BY J. KANG	ENGINEERING SERVICES TERMINAL			DRAWING NO.		
				CHECKED BY W. STEVENS				HCF - D - ATCT- A403		REV.



- WIND LOADS CRITERIA (ROOF)**
- | | |
|----------------------------------|----------|
| A. ULTIMATE WIND SPEED | 150 MPH |
| B. ENCLOSURE CLASSIFICATION | ENCLOSED |
| C. EXPOSURE CATEGORY | C |
| D. DIRECTIONALITY FACTOR, Kd | 0.85 |
| E. TOPOGRAPHIC FACTOR, Kzt | 1.0 |
| F. INTERNAL PRESSURE COEFFICIENT | 0.18 |



B8 ALLOWABLE ROOFING AND COMPONENTS WIND UPLIFT PRESSURE LOAD PLAN

S001 3/64" = 1'-0"

Jacobs



REV.	APPROVED DATE	DESCRIPTION					JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS									