



Department of Transportation
Federal Aviation Administration

Honolulu Control Facility HCF Roofing Honolulu, Hawaii



*Issue for Solicitation and Construction
August 29, 2022*



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HONOLULU CONTROL FACILITY HONOLULU HAWAII	<table border="1"> <tr> <td>REVIEWED BY</td> <td>SUBMITTED BY AARON SHAW</td> <td>APPROVED BY VANCE WHITESSEL</td> </tr> <tr> <td>DESIGNED BY R. SIMMONS</td> <td>ISSUED BY</td> <td>APPROVER'S TITLE MANAGER, AJW-ZW11C</td> </tr> <tr> <td>DRAWN BY MKANG</td> <td>DATE August 29, 2022</td> <td>JCN 1604158</td> </tr> <tr> <td>CHECKED BY WSTEVENS</td> <td>ENGINEERING SERVICES TERMINAL</td> <td>DRAWING NO. HCF - D - ATCT - G001</td> </tr> </table>	REVIEWED BY	SUBMITTED BY AARON SHAW	APPROVED BY VANCE WHITESSEL	DESIGNED BY R. SIMMONS	ISSUED BY	APPROVER'S TITLE MANAGER, AJW-ZW11C	DRAWN BY MKANG	DATE August 29, 2022	JCN 1604158	CHECKED BY WSTEVENS	ENGINEERING SERVICES TERMINAL	DRAWING NO. HCF - D - ATCT - G001	<table border="1"> <tr><td>REV.</td><td> </td></tr> </table>	REV.	
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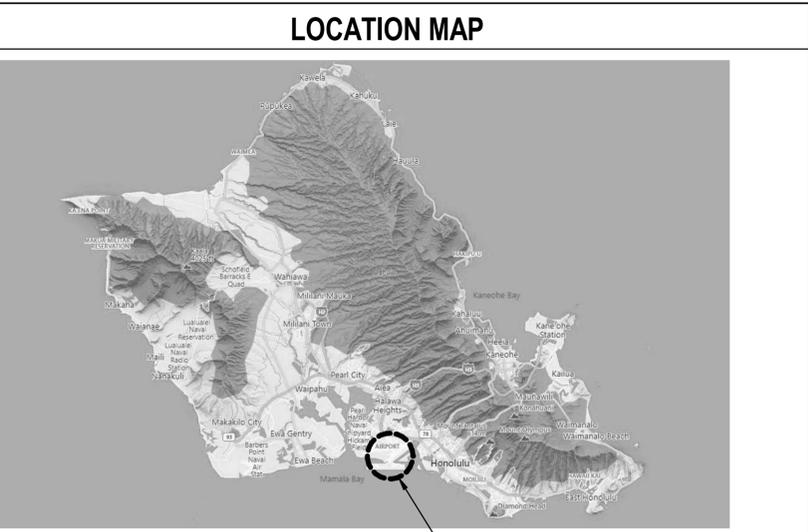
JURISDICTION AND PROJECT PERMITTING REQUIREMENTS

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

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

GENERAL NOTES

- DIMENSION LINES SHOWN ON ARCHITECTURAL SHEETS ARE FROM COLUMN CENTER LINES AND FACE OF MASONRY, CONCRETE OR FINISHED FACE OF WALL, UNLESS OTHERWISE NOTED.
- 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.
- FINISHES & ASSOCIATED ADJACENT FINISHES AFFECTED BY THE WORK MUST BE PATCHED AND REPAIRED TO MATCH EXISTING ADJACENT FINISHES.
- 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.
- 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.
- CLEAN CONSTRUCTION AREAS DAILY. CONSTRUCTION DEBRIS & EQUIPMENT MUST NOT BE LEFT IN OCCUPIED AREAS.
- DO NOT SCALE DRAWINGS.
- 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.
- IF HAZMAT, INCLUDING ACM OR LCC, IS ENCOUNTERED, CEASE WORK IN THAT AREA, NOTIFY THE COR, AND AWAIT DIRECTION ON HOW TO PROCEED.
- 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.
- UNDESCHEDULED 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.
- 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.
- 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.
- 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.
- WORK SPECIFIED IN ROOMS/AREAS WITH BREAKLINES INCLUDES WORK FOR ENTIRE AREA, UNLESS OTHERWISE NOTED.
- 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.
- 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.
- 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.



GENERAL LEGEND

COLUMN LINE GRID DESIGNATION: 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: AYYY/XXXX

SHEET ON WHICH DETAIL IS DRAWN OR SCHEDULED: ---

DETAIL TITLE REFERENCE: ---

SECTION CUT: ---

ELEVATION REFERENCE: ---

PLAN NORTH/PROJECT NORTH: TRUE NORTH, PROJECT NORTH, KEY NORTH

WORK: ---

DEMOLITION: ---

NEW WORK KEYNOTE: 1

DEMOLITION KEYNOTE: 1

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

BUILDING CODE ANALYSIS

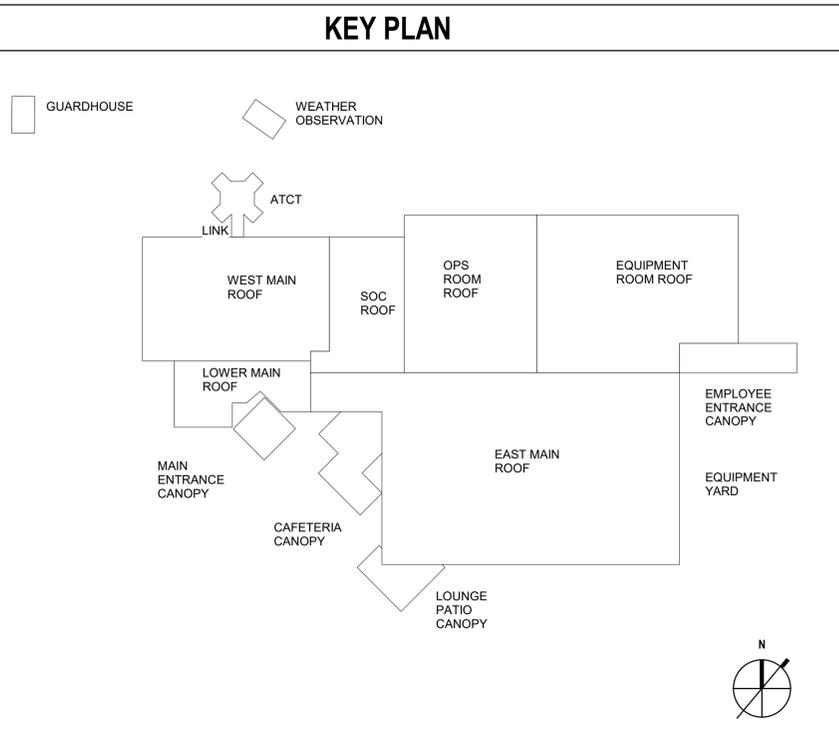
APPLICABLE CODES AND REGULATIONS

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

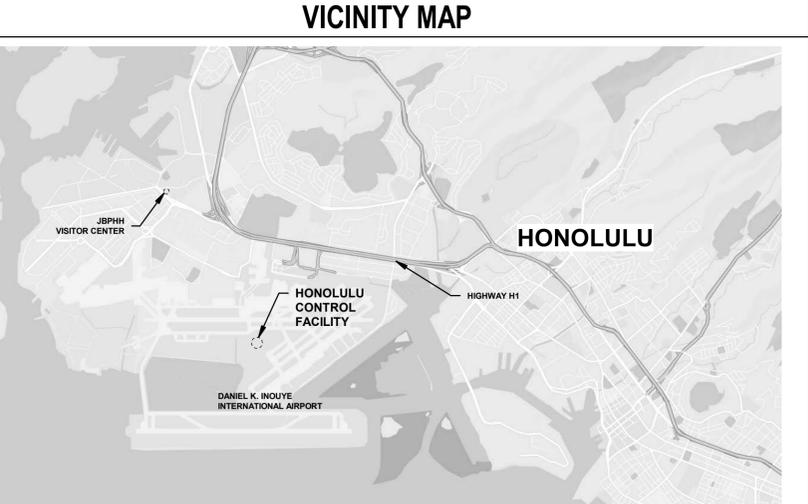
HCF BUILDING
OCCUPANCY CLASSIFICATION: BUSINESS (GROUP B) / LOW-HAZARD STORAGE (GROUP S-2) / ACCESSORY ASSEMBLY (GROUP A-3)
CONSTRUCTION TYPE: IBC, TYPE IIB
SPRINKLERED: YES
FIRE ALARM: YES, WITH VOICE
STORIES: 1 (ACTUAL) / 4 (MAXIMUM ALLOWED PER IBC)
HEIGHT: 26 FT (ACTUAL) / 75 FT (MAXIMUM ALLOWED PER 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



VICINITY MAP

FAA FACILITY DESIGNATIONS WITHIN THE HCF, FOR REFERENCE ONLY:
HNL ATCT = HONOLULU AIRPORT TRAFFIC CONTROL TOWER
ZHN CERAP = ZHN CENTER AND RADAR APPROACH CONTROL



INDEX OF DRAWINGS, GENERAL NOTES, LEGEND, LOCATION MAP & BUILDING CODE ANALYSIS

HONOLULU HONOLULU CONTROL FACILITY (HCF) HI

REVIEWED BY	SUBMITTED BY	APPROVED BY
	AARON SHAW	VANCE WHITESEL
SUBMITTER'S TITLE		APPROVER'S TITLE
PROJECT ENGINEER/ARCHITECT, A.J.W.-2W11C		MANAGER, A.J.W.-2W11C
DESIGNED BY	ISSUED BY	DATE
R. SIMMONS		August 29, 2022
DRAWN BY	CHECKED BY	JCN
M. KANG	W. STEVENS	1604158
DRAWING NO.		REV.
HCF - D - ATCT - G002		

HONOLULU CONTROL FACILITY HAWAII

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. CONTRACTOR'S 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.

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 NOT 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

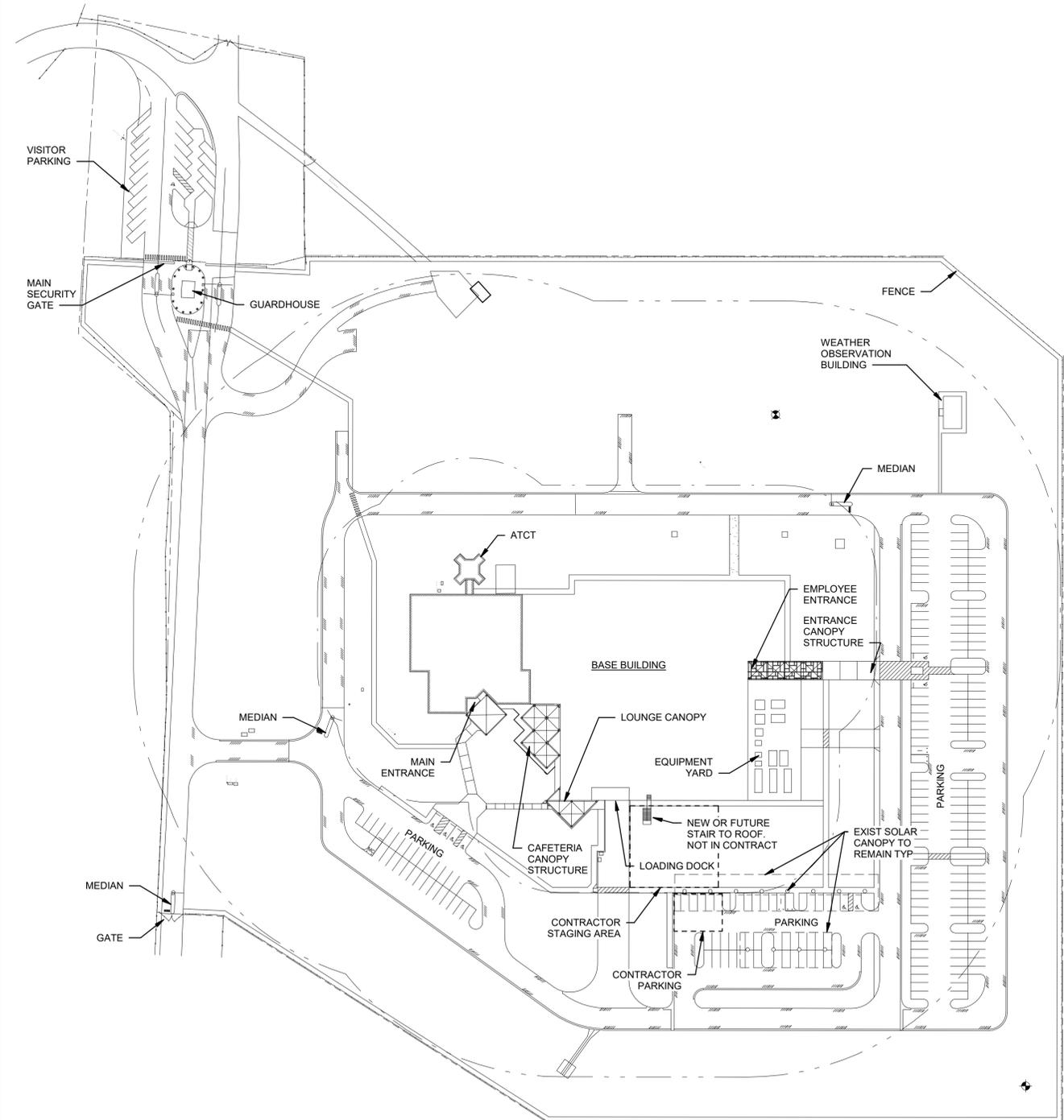
- PROVIDE TEMPORARY, ABA-ACCESSIBLE PARKING EQUAL TO THE PERMANENT ACCESSIBLE PARKING WHILE PERMANENT ACCESSIBLE PARKING IS INACCESSIBLE OR OUT OF SERVICE. COORDINATE LOCATION WITH COR. PROVIDE REQUIRED STRIPING AND SIGNAGE AT TEMPORARY, ACCESSIBLE PARKING. AT COMPLETION OF THE WORK REPAIR TEMPORARY 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 DAMAGED 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.

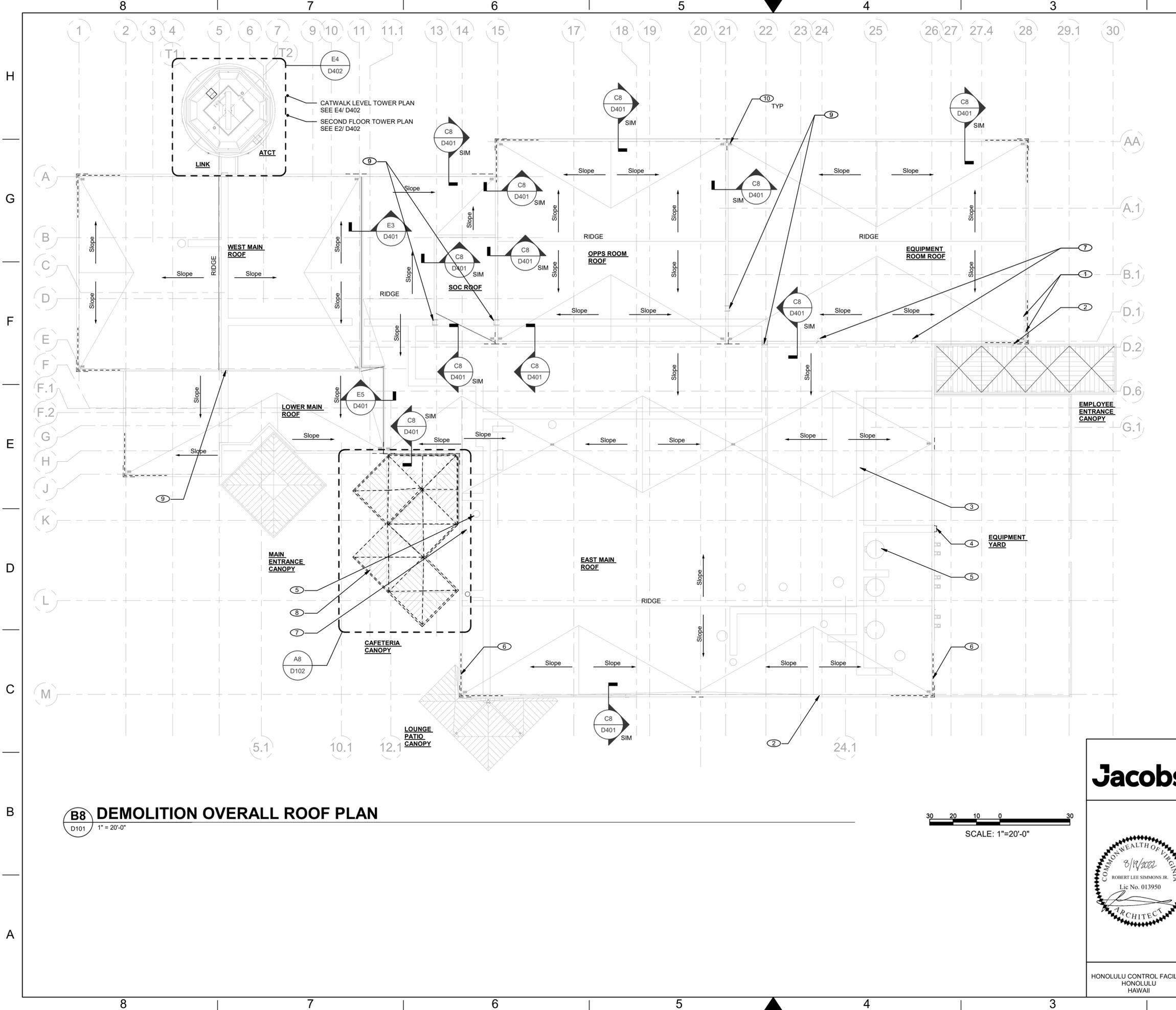


A8 CONSTRUCTION STAGING PLAN
G004 1" = 80'-0"

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

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

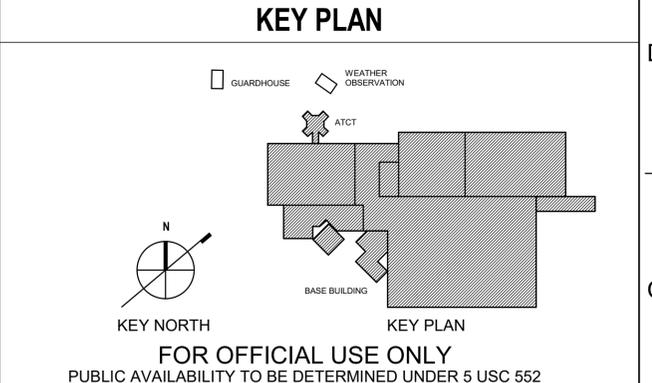
Jacobs		DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA HONOLULU CONTROL FACILITY HCF ROOFING CONSTRUCTION STAGING PLAN			
		HONOLULU HONOLULU CONTROL FACILITY (HCF) HI			
REVIEWED BY	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
SUBMITTED BY AARON SHAW		APPROVED BY VANICE WHITESEAL			
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 M.KANG	ENGINEERING SERVICES TERMINAL	DRAWING NO. HCF - D - ATCT - G004	REV.		
CHECKED BY W.STEVENS					



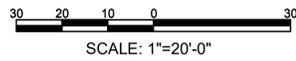
GENERAL SHEET NOTES

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



B8 DEMOLITION OVERALL ROOF PLAN
D101 1" = 20'-0"



REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

ISSUED FOR: SN09090909

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 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 JCN: 1604158
DRAWN BY M. KANG	CHECKED BY W. STEVENS	DRAWING NO. HCF - D - ATCT - D101

HONOLULU CONTROL FACILITY
HAWAII

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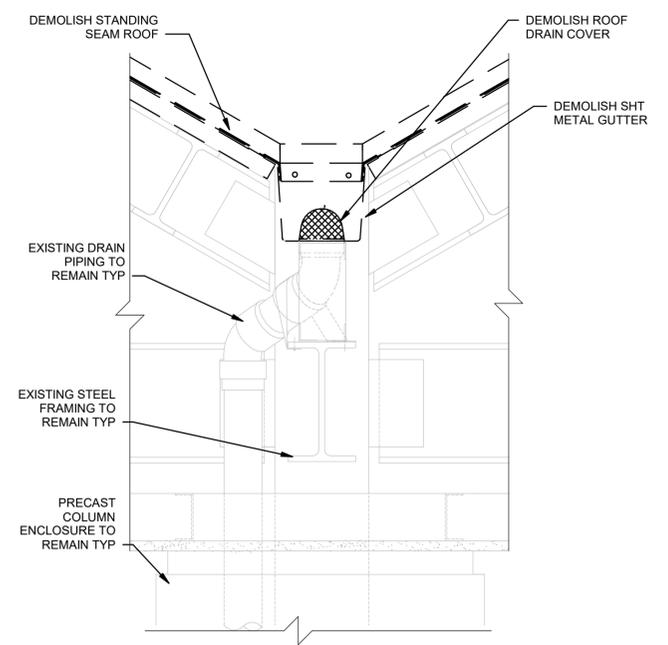
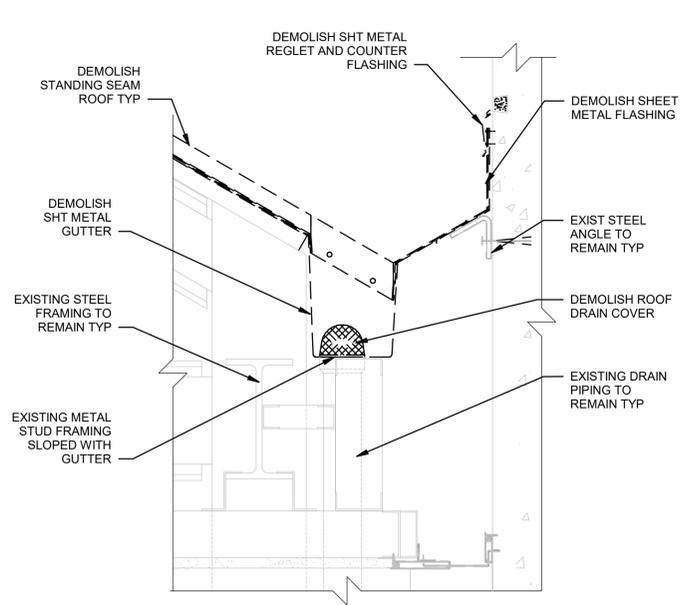
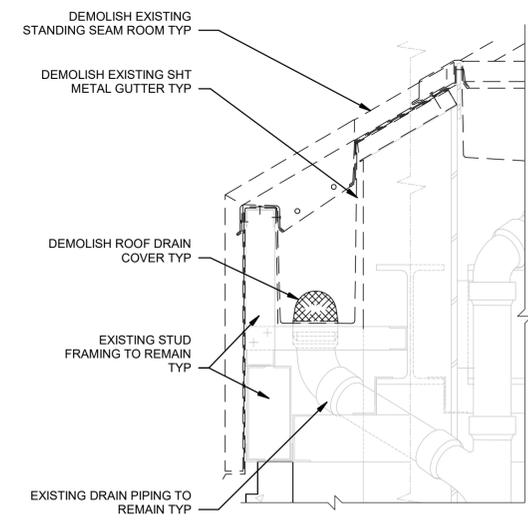
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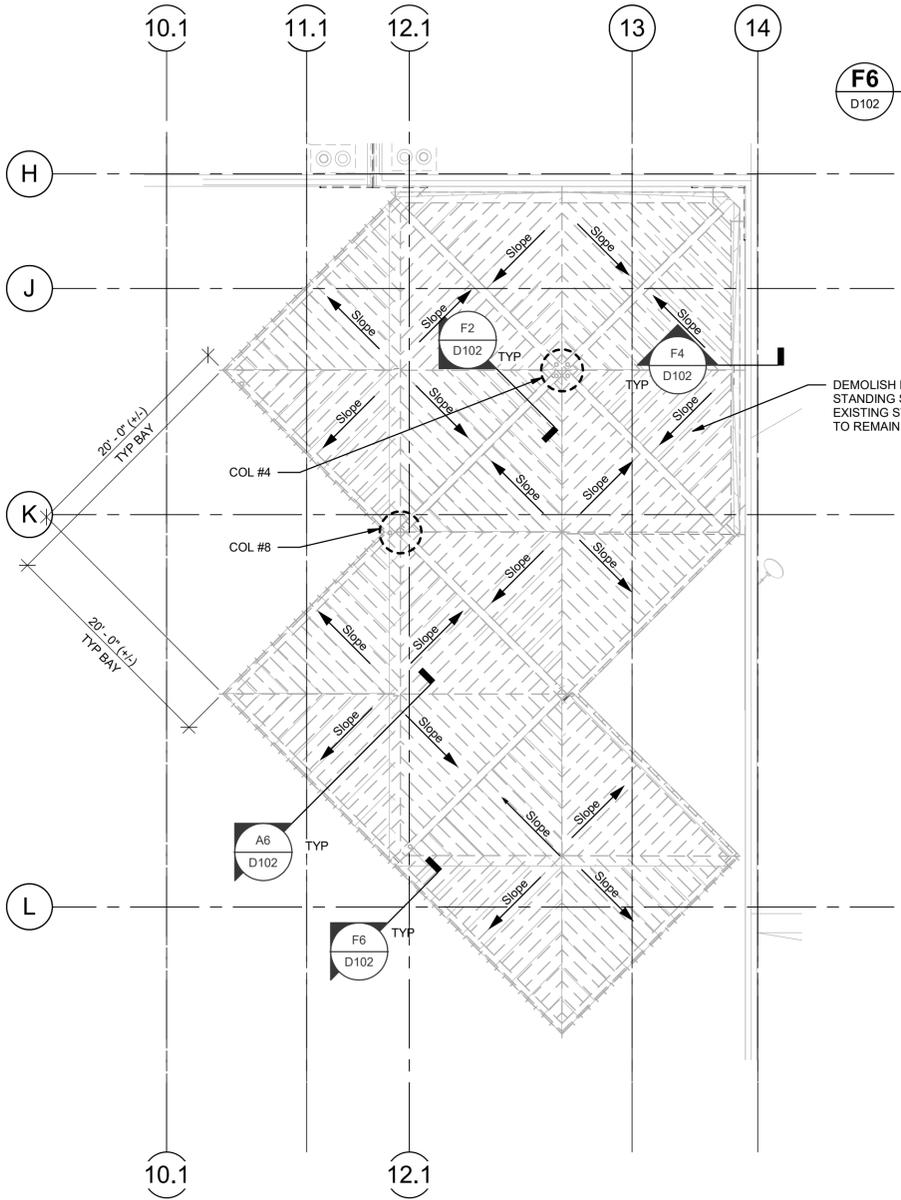
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F6 DETAIL- DEMOLITION
D102 1 1/2" = 1'-0"

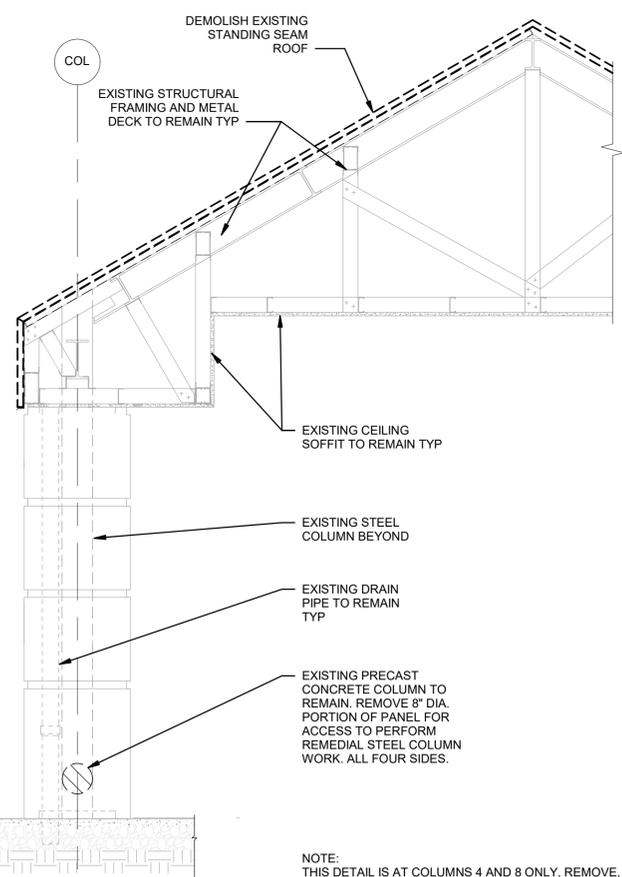
F4 DETAIL- DEMOLITION
D102 1 1/2" = 1'-0"

F2 DETAIL- DEMOLITION
D102 1 1/2" = 1'-0"

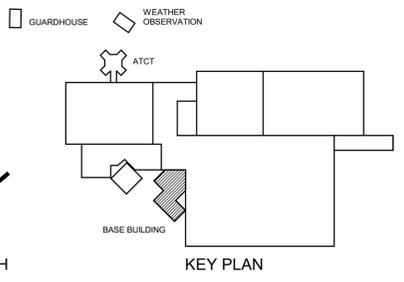
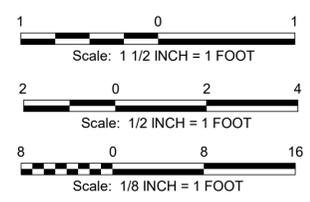


A8 DEMOLITION CAFETERIA PATIO CANOPY ROOF
D101 D102 1/8" = 1'-0"

A6 DETAIL-CANOPY DEMOLITION, COL 4 & 8 ONLY
D102 1/2" = 1'-0"



NOTE:
THIS DETAIL IS AT COLUMNS 4 AND 8 ONLY. REMOVE, BY CORE-DRILLING UNLESS APPROVED OTHERWISE BY COR, 8" DIAMETER PORTION OF PANEL TO ACCESS TO PERFORM REMEDIAL STEEL COLUMN WORK. TYP. ALL FOUR SIDES OF COLUMN. THIS WORK IS ONLY AT TWO COLUMNS, COLUMNS 4 AND 8 (FOR LOCATION OF COLUMNS, SEE PLAN A8 AND COLUMNS CONDITION REPORT WITH PROJECT SPECS.



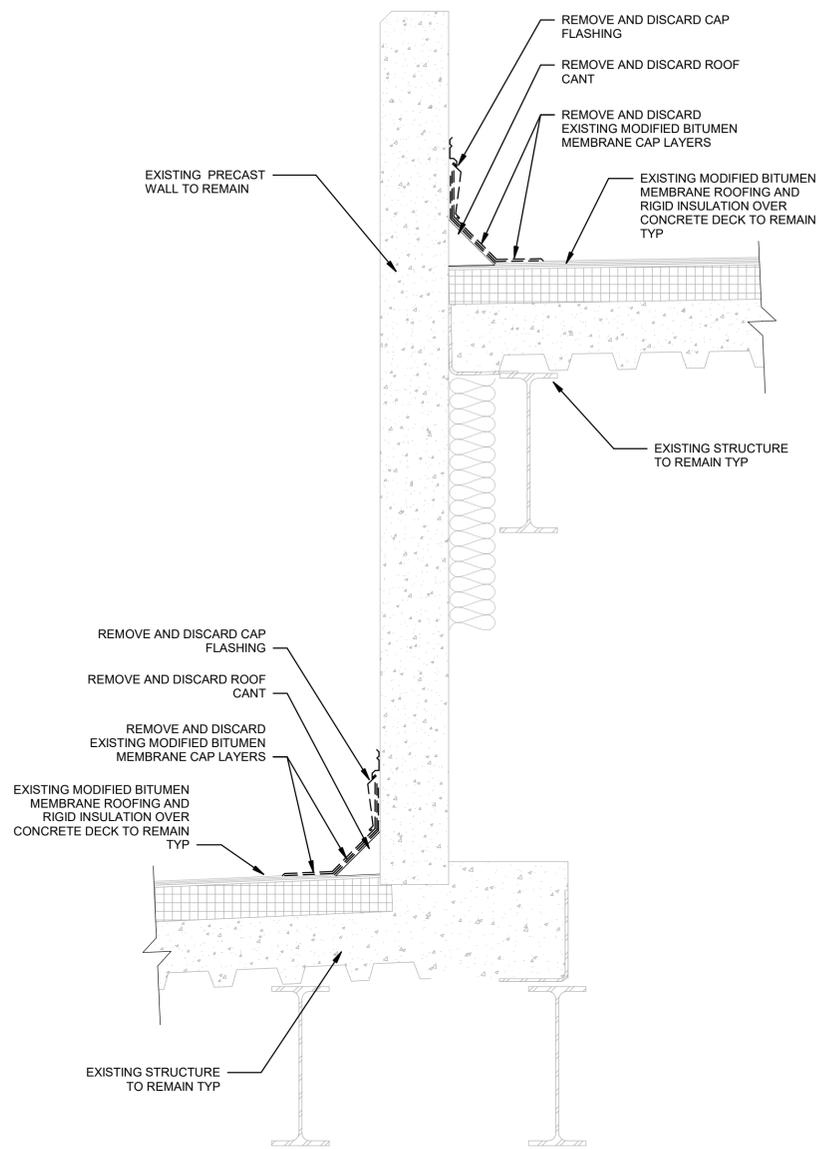
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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

		DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA HONOLULU CONTROL FACILITY HCF ROOFING DEMOLITION ENLARGED ROOF PLANS			
		HONOLULU HONOLULU CONTROL FACILITY (HCF) HI		ISSUED FOR:	
REVIEWED BY:	SUBMITTED BY: AARON SHAW	APPROVED BY: VANCE WHITESEL	REV.	DATE	APVD
SUBMITTER'S TITLE: PROJECT ENGINEER/ARCHITECT, AJW-ZW11C		APPROVER'S TITLE: MANAGER, AJW-ZW11C			
DESIGNED BY: R. SIMMONS		ISSUED BY: ENGINEERING SERVICES TERMINAL		DATE: August 29, 2022	JCN: 1604158
DRAWN BY: HONOLULU HAWAII		CHECKED BY: W. STEVENS		DRAWING NO.: HCF - D - ATCT - D102	REV.

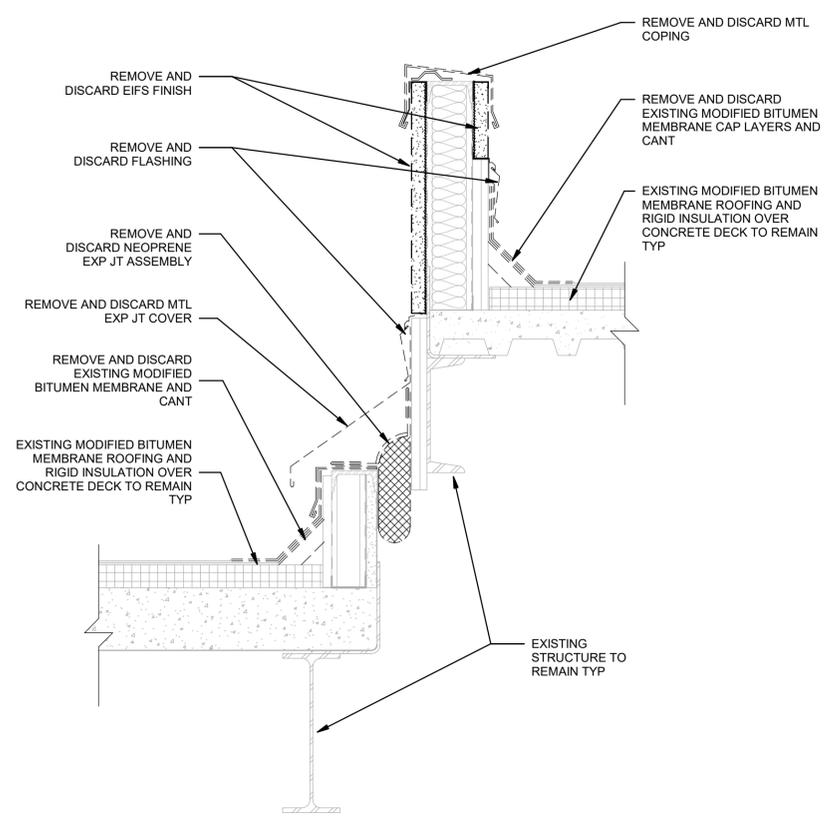
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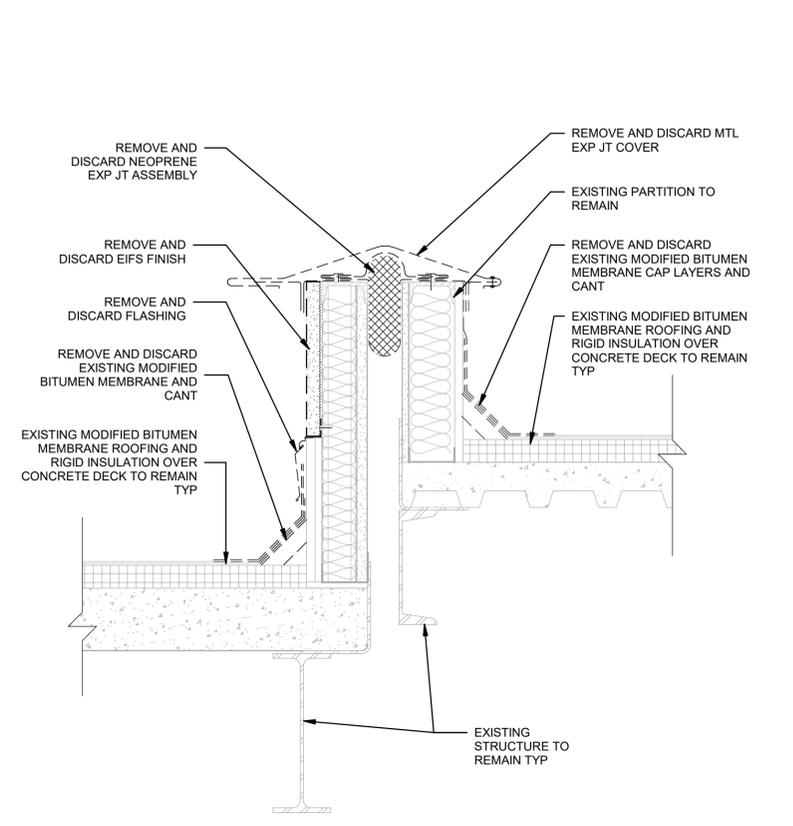
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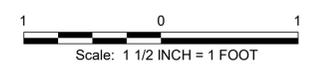
C8 DETAIL -DEMOLITION
D101 D401 1 1/2" = 1'-0"



E5 DETAIL -DEMOLITION
D101 D401 1 1/2" = 1'-0"

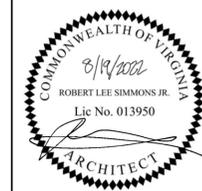


E3 DETAIL -DEMOLITION
D101 D401 1 1/2" = 1'-0"



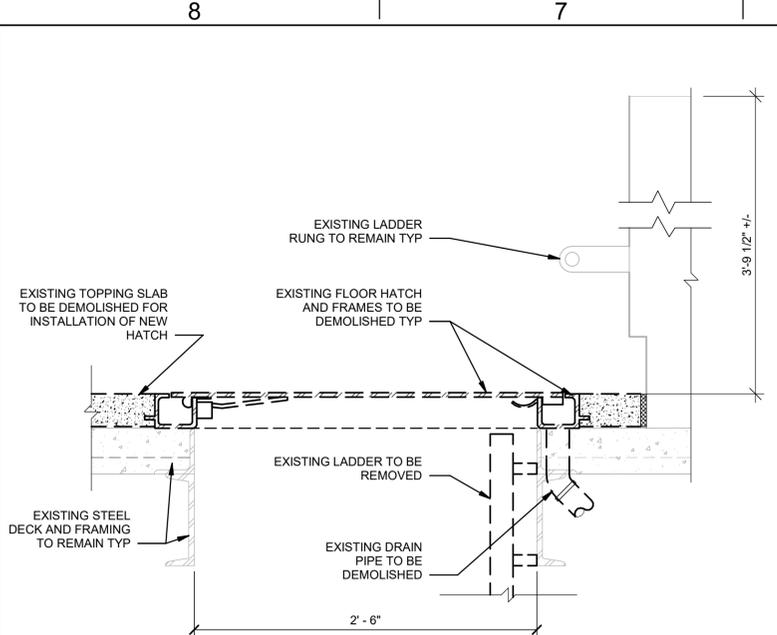
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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

	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	APPROVED BY				
	AARON SHAW	VANCE WHITESEL				
SUBMITTER'S TITLE		APPROVER'S TITLE				
PROJECT ENGINEER/ARCHITECT, A.J.W.-2W11C		MANAGER, A.J.W.-2W11C				
DESIGNED BY	ISSUED BY	DATE	JCN			
R. SIMMONS	ENGINEERING SERVICES	August 29, 2022	1604158			
DRAWN BY	CHECKED BY	DRAWING NO.	REV.			
M. KANG	W. STEVENS	HCF - D - ATCT - D401				
HONOLULU CONTROL FACILITY HONOLULU HAWAII		ENGINEERING SERVICES TERMINAL		HCF - D - ATCT - D401		

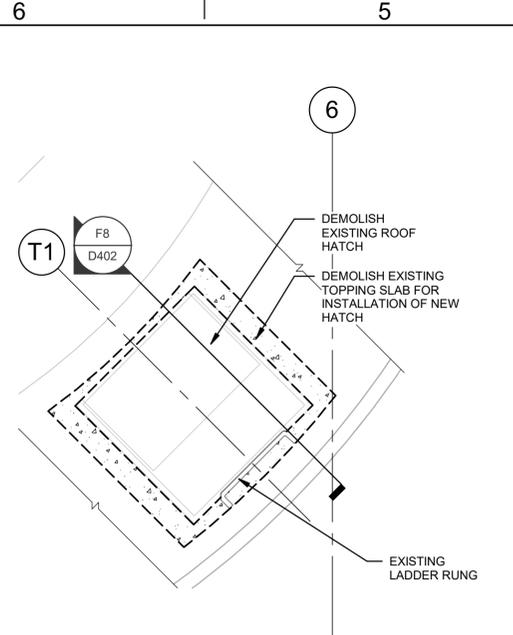


D101

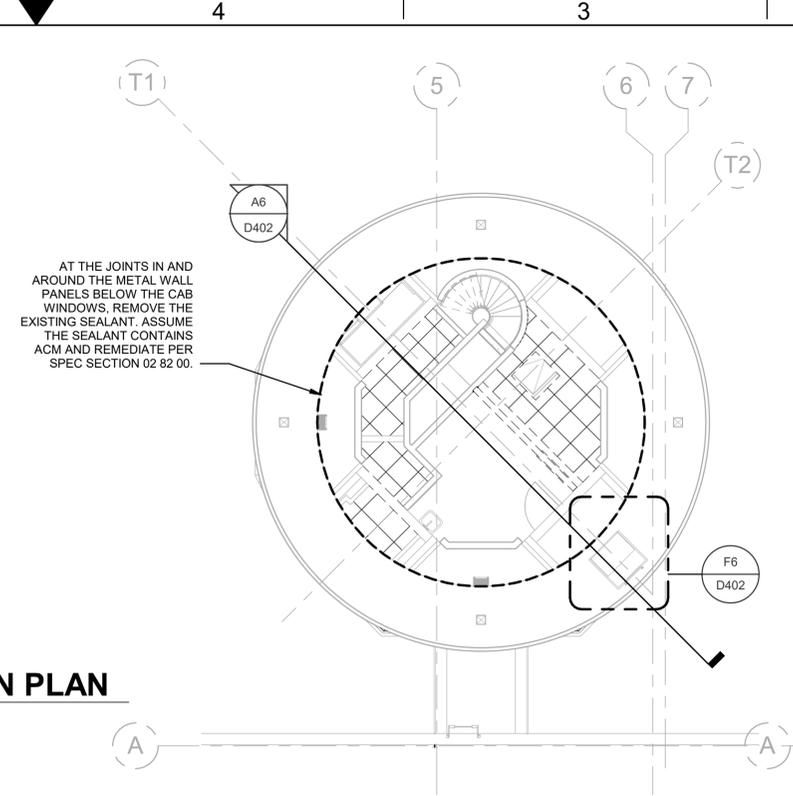
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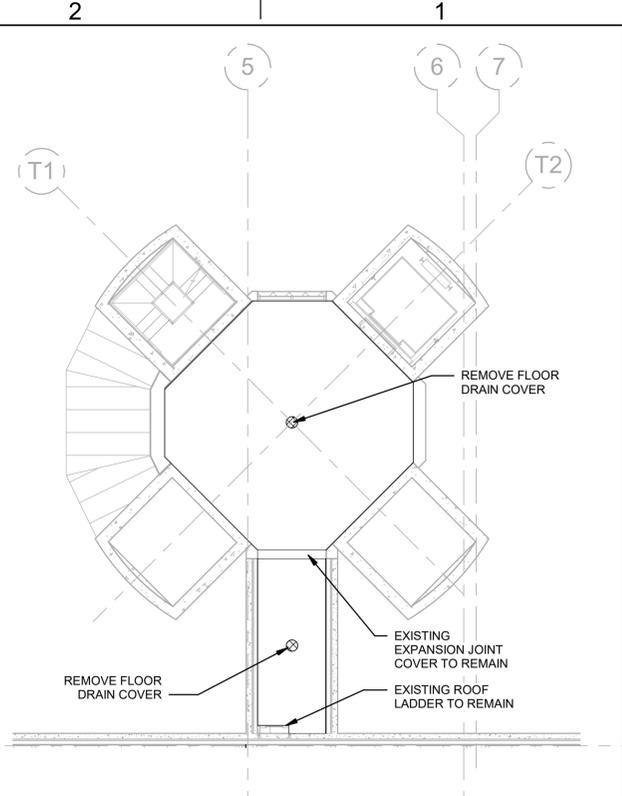
F8 HATCH DETAIL
D402 1 1/2" = 1'-0"



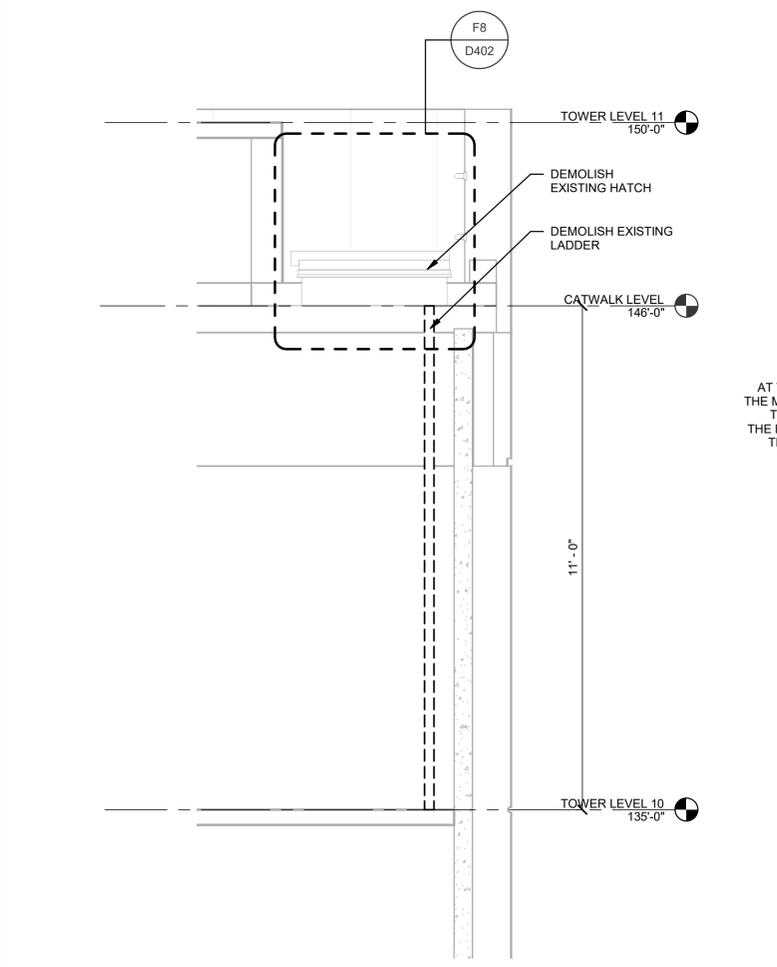
F6 CATWALK ACCESS HATCH DEMOLITION PLAN
D402 1/2" = 1'-0"



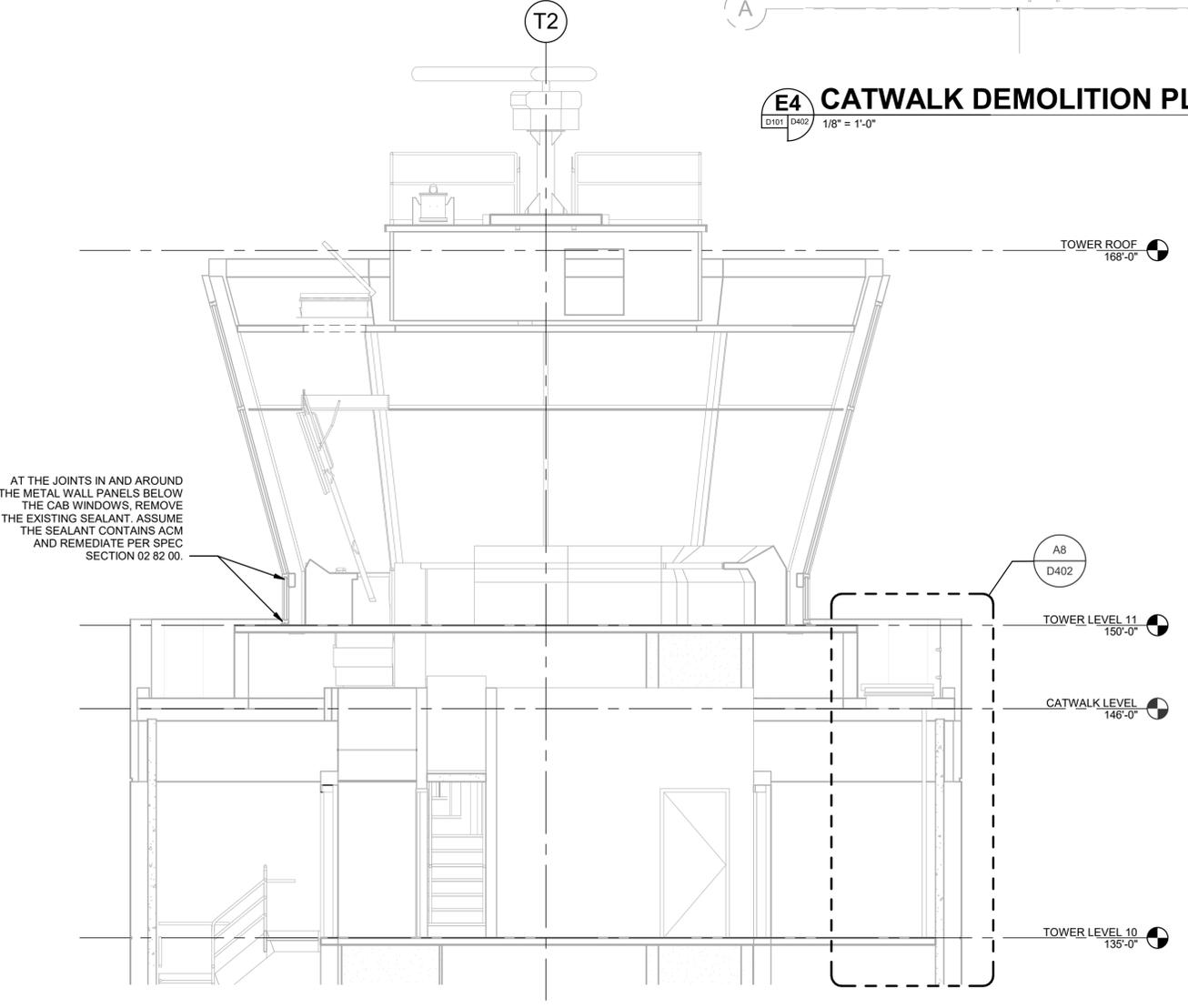
E4 CATWALK DEMOLITION PLAN
D101 D402 1/8" = 1'-0"



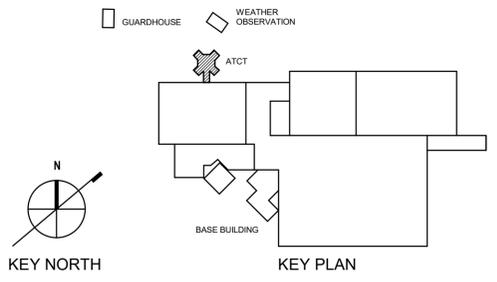
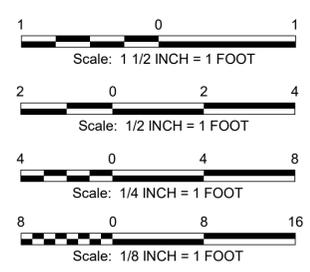
E2 ATCT SECOND FLOOR DEMO PLAN
D101 D402 1/8" = 1'-0"



A8 CATWALK ACCESS DEMOLITION SECTION
D402 1/2" = 1'-0"

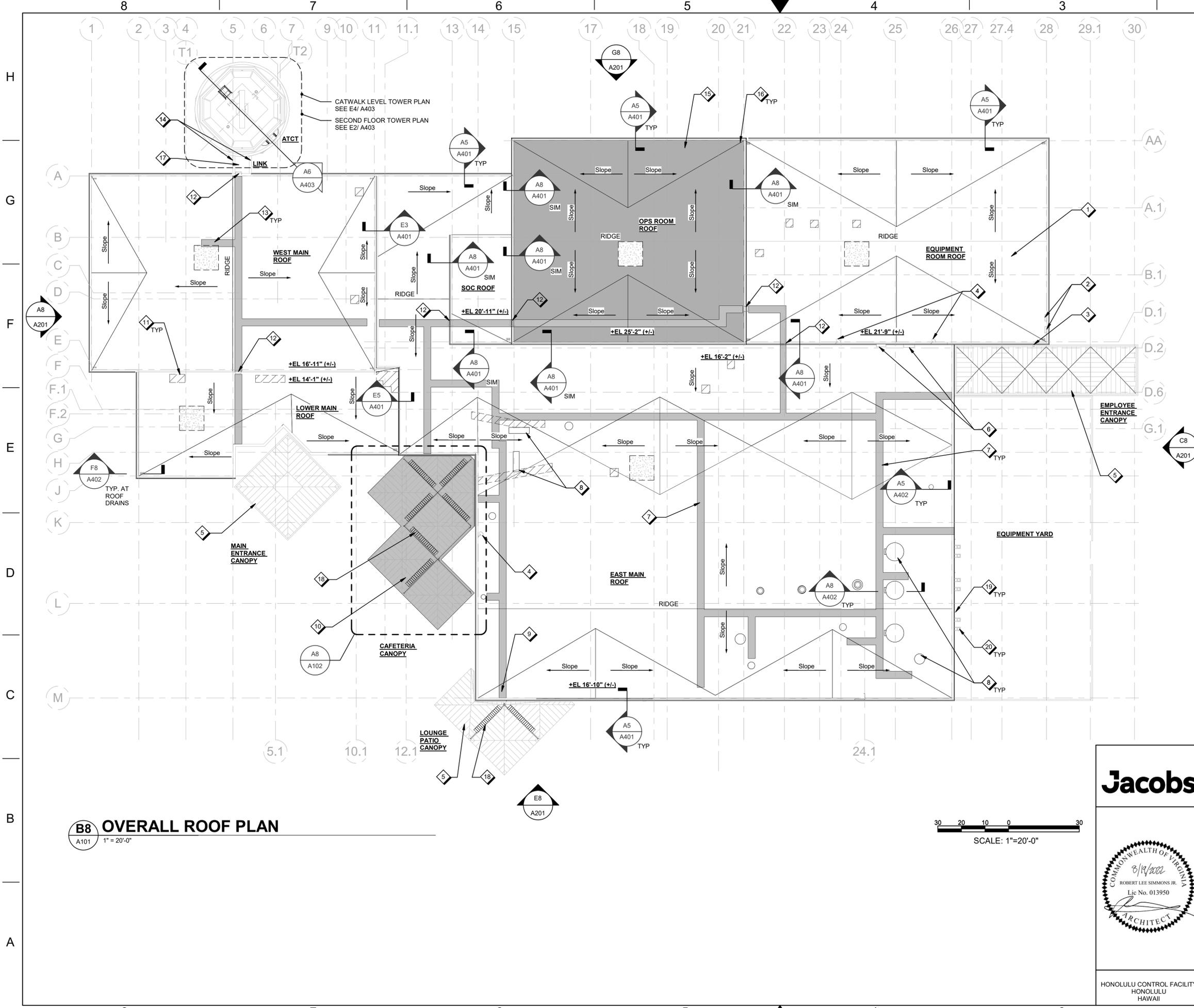


A6 DEMOLITION SECTION AT CATWALK
D402 1/4" = 1'-0"

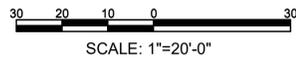


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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

Jacobs					
		DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA HONOLULU CONTROL FACILITY HCF ROOFING DEMOLITION AT ATCT CATWALK			
HONOLULU CONTROL FACILITY HAWAII		HONOLULU CONTROL FACILITY (HCF)		HI	
REVIEWED BY	SUBMITTED BY	APPROVED BY	DESCRIPTION	JCN	REV. DATE
	AARON SHAW	VANCE WHITESEL			
SUBMITTER'S TITLE		APPROVER'S TITLE		DATE	
PROJECT ENGINEER/ARCHITECT, A.J.W.-2W11C		MANAGER, A.J.W.-2W11C		August 29, 2022	
DESIGNED BY		ISSUED BY		JCN	
R. SIMMONS		ENGINEERING SERVICES TERMINAL		1604158	
DRAWN BY		DRAWING NO.		REV.	
M. KANG		HCF - D - ATCT - D402			
CHECKED BY					
W. STEVENS					



B8 OVERALL ROOF PLAN
A101 1" = 20'-0"



GENERAL SHEET NOTES

- A. ROOF ELEVATIONS NOTED ON THIS PLAN ARE APPROXIMATIONS AND FOR REFERENCE ONLY.
- 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. MAINTAIN CONTINUITY OF THE LPS AT ALL TIMES. PROVIDE TEMPORARY LPS AS REQUIRED. SEE DETAIL D3/A402.
- C. EXISTING ROOF PREPARATION: REMOVE BUSTERS, RIDGES, BUCKLES, AND OTHER SUBSTRATE IRREGULARITIES FROM EXISTING ROOFING MEMBRANE THAT INHIBIT APPLYING RECOVER BOARDS FROM CONFORMING TO SUBSTRATE. REMOVE LOOSE AGGREGATE FROM AGGREGATE-SURFACED BUILT-UP BITUMINOUS ROOFING. REMOVE AND REPLACE ROOF ASSEMBLY IN AREAS IDENTIFIED WITH HIGH MOISTURE CONTENT.
- D. COORDINATE WITH FAA FOR EXISTING EQUIPMENT TO BE REMOVED AND REINSTALLED.

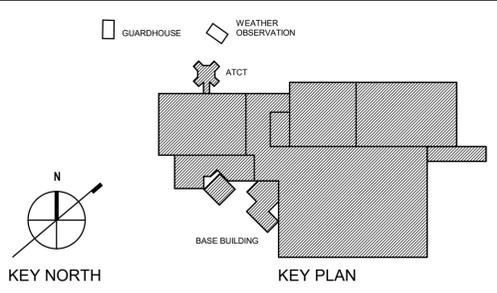
NEW WORK KEYNOTES

- 1 PVC ROOFING OVER COVER BOARD OVER EXISTING MODIFIED BITUMEN ASSEMBLY. SEE D3/A401 FOR TYPICAL RECOVER ASSEMBLY.
- 2 ANTENNAS WILL BE REINSTALLED BY FAA TYP.
- 3 SECURITY CAMERAS WILL BE REINSTALLED BY FAA TYP.
- 4 SATELLITE DISH EQUIPMENT WILL BE REINSTALLED BY FAA TYP.
- 5 AT CANOPY EDGE GUTTERS AND INTERIOR GUTTERS, EXCEPT AT THE CAFETERIA CANOPY, CLEAN THE GUTTERS, VERIFY SOUND METAL CONDITION, AND PREP AND PAINT THE GUTTERS WITH A COATING PER THE SPECS.
- 6 REMOVE AND REINSTALL EXISTING EQUIPMENT
- 7 ROOF WALKING PADS, TYP
- 8 EXISTING MECHANICAL UNITS TO REMAIN, TYP
- 9 GUARDRAIL OPENING FOR LOWER ROOF ACCESS
- 10 STANDING SEAM ROOF OVER THE EXISTING METAL ROOF DECKING.
- 11 AT HIGH MOISTURE CONTENT AREA FROM PRIOR SCAN, REMOVE AND REPLACE EXISTING ROOF ASSEMBLY, PROVIDING SOUND, FLAT, DRY, PROPER SUBSTRATE FOR NEW ROOFING SYSTEM
- 12 EXISTING LADDER TO REMAIN, TYP
- 13 PATCH EXISTING ROOF ASSEMBLY AT PRIOR PULL TEST LOCATION AS REQUIRED FOR SOLID, FLAT, PROPER SUBSTRATE FOR NEW ROOFING SYSTEM, TYP.
- 14 EXISTING RAILING TO REMAIN, TYP
- 15 NOISE RESTRICTIONS AT OPS ROOM ROOF. COORDINATE CONSTRUCTION WITH COR
- 16 EXISTING ROOF DRAINS TO REMAIN. REPLACE ROOF DRAIN COVERS, TYP. SEE DETAIL F8/A402
- 17 PVC ROOFING AT LINK ROOF. SIMILAR TO TYPICAL ROOF SYSTEM, TYP.
- 18 ROOFTOP WALKWAY SYSTEMS ATTACHED TO STANDING SEAM ROOF TYP
- 19 3 1/2" DIA. VENT
- 20 13" DIA. EXHAUST

LEGEND

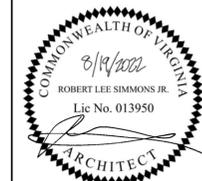
- PRIOR PULL TEST AREA. COR WILL PROVIDE TEST REPORT. SEE KEYNOTE 14
- HIGH MOISTURE CONTENT AREA FROM PRIOR ROOF SCAN. COR WILL PROVIDE TEST REPORT. SEE KEYNOTE 12
- OPS AREA ROOF. NOISE AND FUME RESTRICTED AREA

KEY PLAN



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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

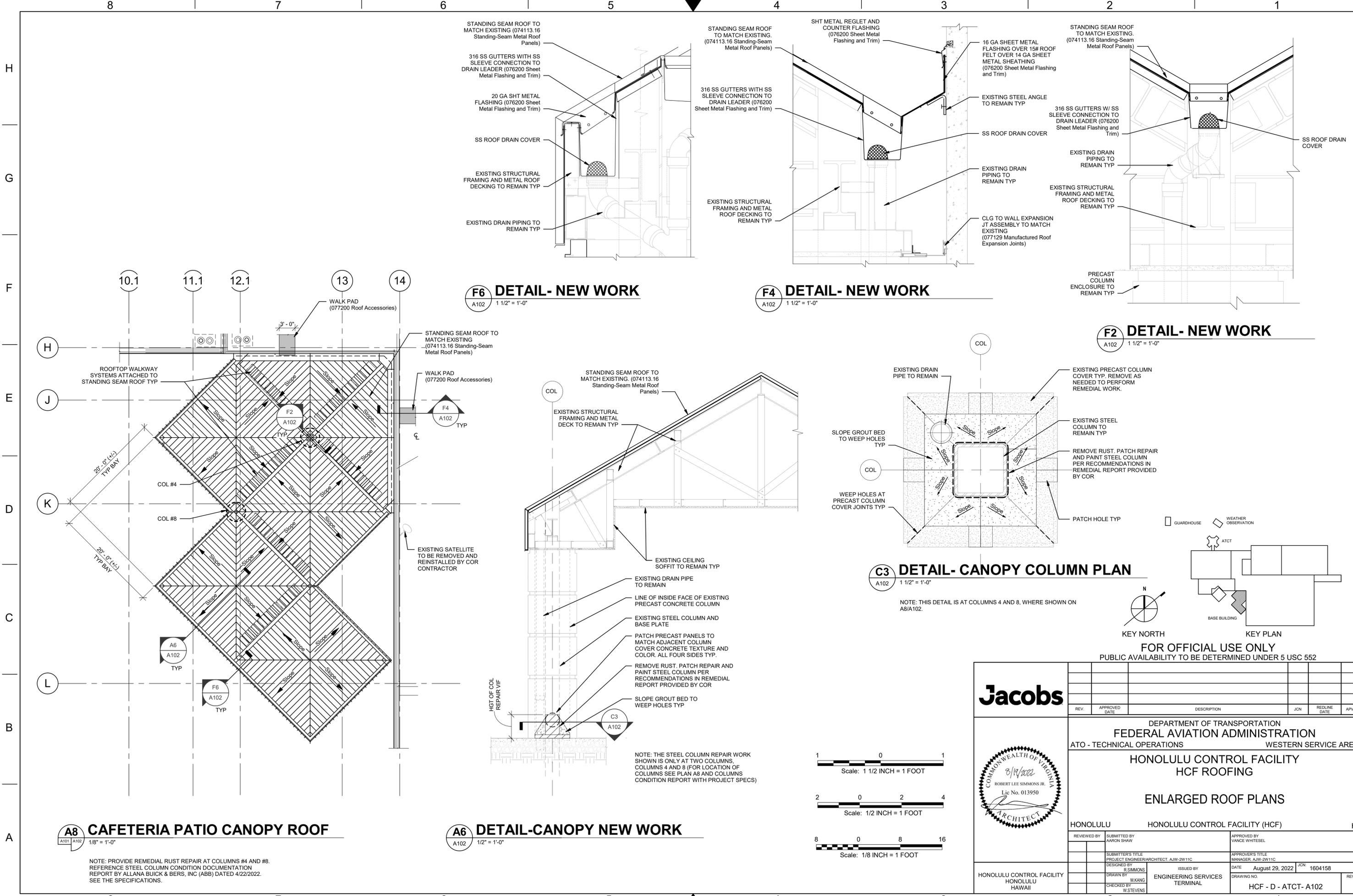
**HONOLULU CONTROL FACILITY
HCF ROOFING**

OVERALL ROOF PLAN

HONOLULU HONOLULU CONTROL FACILITY (HCF) HI

REVIEWED BY	SUBMITTED BY AARON SHAW	APPROVED BY VANICE 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. HCF - D - ATCT - A101
CHECKED BY W. STEVENS		

HONOLULU CONTROL FACILITY
HAWAII



F6 DETAIL- NEW WORK
A102 1 1/2" = 1'-0"

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"

A6 DETAIL-CANOPY NEW WORK
A102 1/2" = 1'-0"

A8 CAFETERIA PATIO CANOPY ROOF
A102 1/8" = 1'-0"

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)

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

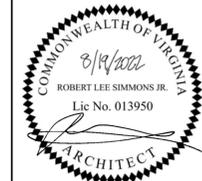
Scale: 1 1/2 INCH = 1 FOOT

Scale: 1/2 INCH = 1 FOOT

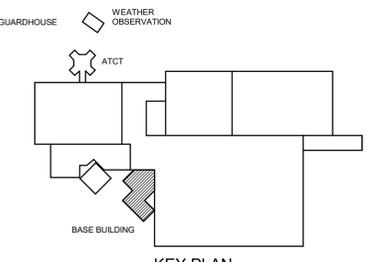
Scale: 1/8 INCH = 1 FOOT

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PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

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 ENLARGED ROOF PLANS HONOLULU HONOLULU CONTROL FACILITY (HCF) HI					
REVIEWED BY	SUBMITTED BY	APPROVED BY			
	AARON SHAW	VANICE WHITESEL			
SUBMITTER'S TITLE		APPROVER'S TITLE			
PROJECT ENGINEER/ARCHITECT, A.J.W.-2W11C		MANAGER, A.J.W.-2W11C			
DESIGNED BY	ISSUED BY	DATE	JCN		
R. SIMMONS		August 29, 2022	1604158		
DRAWN BY	CHECKED BY	DRAWING NO.			
M. KANG	W. STEVENS	HCF - D - ATCT - A102			
HONOLULU CONTROL FACILITY HAWAII		ENGINEERING SERVICES TERMINAL			



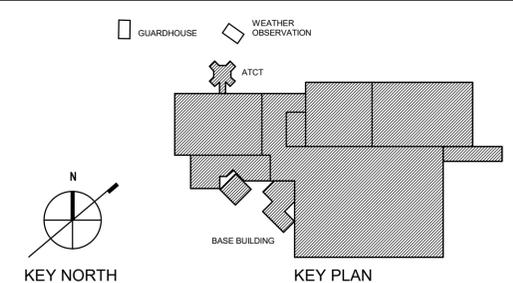
GENERAL SHEET NOTES

- 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.

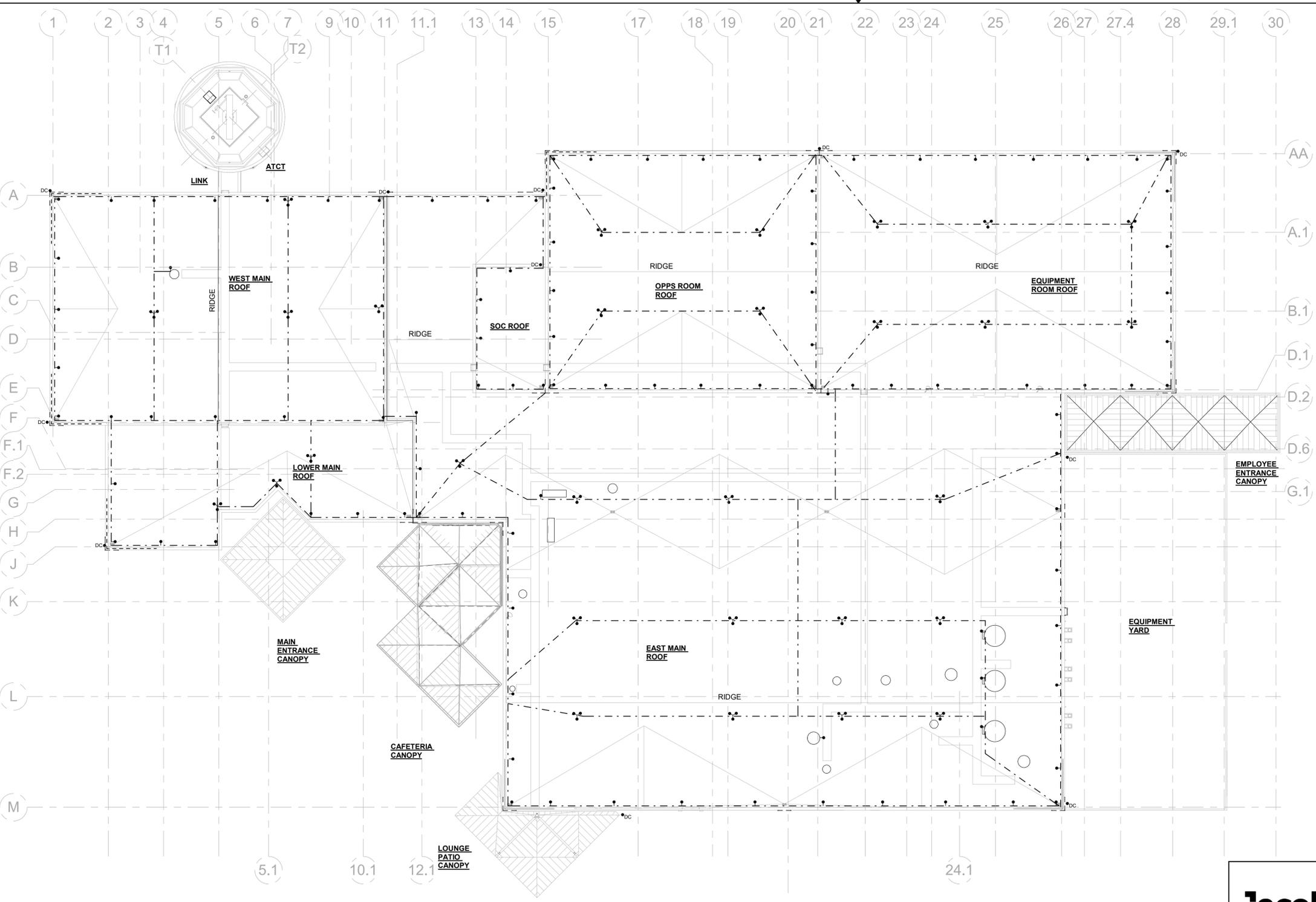
LEGEND

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

KEY PLAN

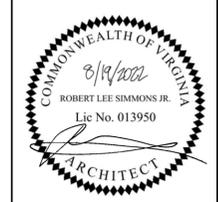


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B8 EXISTING LIGHTNING PROTECTION PLAN FOR REFERENCE ONLY
A103 1" = 20'-0"

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REV.	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

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

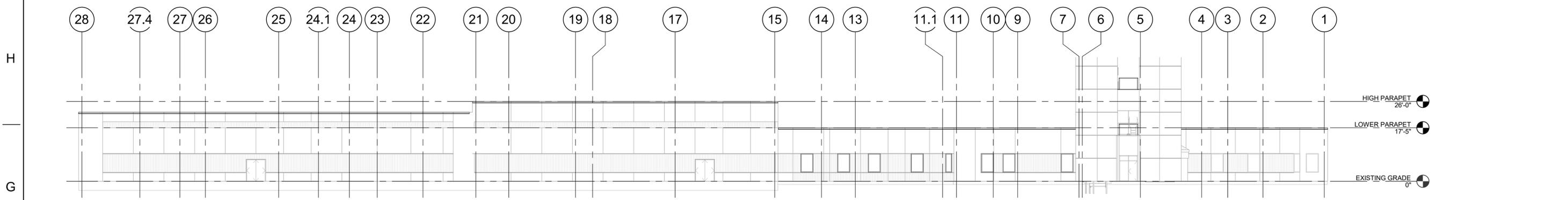
**HONOLULU CONTROL FACILITY
HCF ROOFING**

EXISTING LIGHTNING PROTECTION LAYOUT

HONOLULU HONOLULU CONTROL FACILITY (HCF) HI

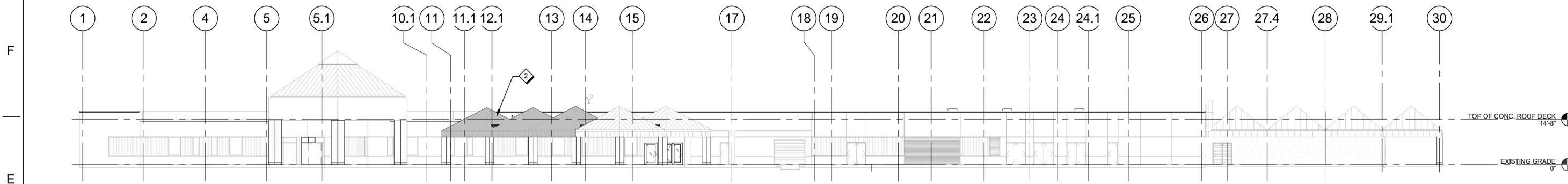
REVIEWED BY	SUBMITTED BY AARON SHAW	APPROVED BY VANCE WHITESEL
SUBMITTER'S TITLE PROJECT ENGINEER/ARCHITECT, A.J.W.-2W11C	APPROVER'S TITLE MANAGER, A.J.W.-2W11C	
DESIGNED BY 	ISSUED BY 	DATE August 29, 2022 JCN: 1604158
DRAWN BY 	CHECKED BY 	DRAWING NO. HCF - D - ATCT - A103

8 7 6 5 4 3 2 1



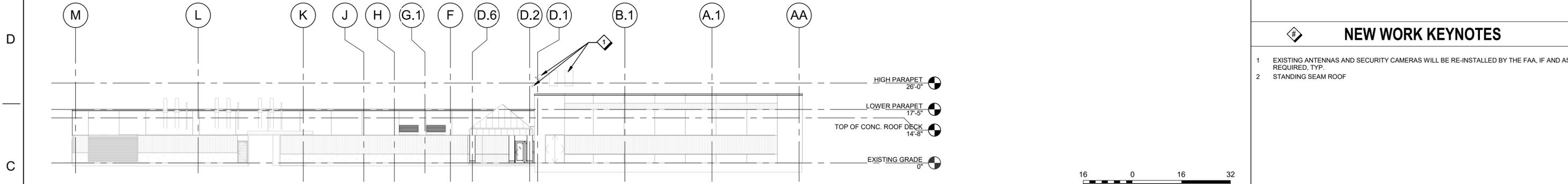
G8 NORTH ELEVATION

A101 A201 1/16" = 1'-0"



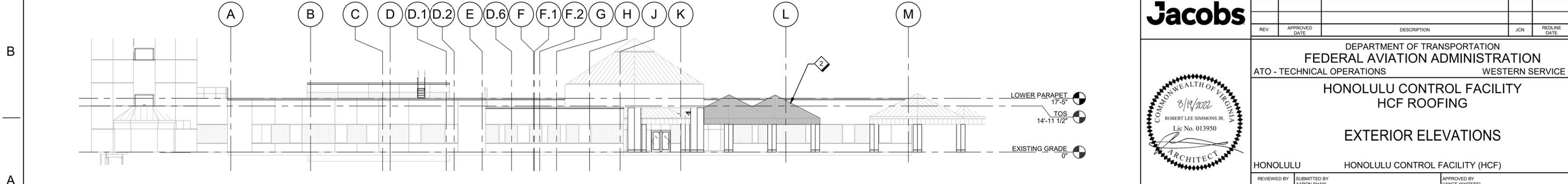
E8 SOUTH ELEVATION

A101 A201 1/16" = 1'-0"



C8 EAST ELEVATION

A101 A201 1/16" = 1'-0"



A8 WEST ELEVATION

A101 A201 1/16" = 1'-0"



GENERAL SHEET NOTES

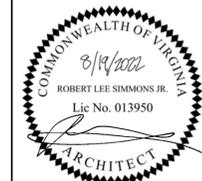
- A. GUARDRAILS WILL BE INSTALLED BY OTHERS ON THE EXTERIOR SIDE OF ALL ROOF PARAPETS. THAT WORK IS NOT IN THIS CONTRACT. SCHEDULE AND SPATIAL COORDINATION, INCLUDING COORDINATION TO VERIFY THAT THERE IS NO SPATIAL AND DETAILS INTERFERENCE, IS REQUIRED. SEE A8/A401 FOR REFERENCE PROFILE OF TYPICAL GUARDRAIL DESIGN.

NEW WORK KEYNOTES

- 1 EXISTING ANTENNAS AND SECURITY CAMERAS WILL BE RE-INSTALLED BY THE FAA, IF AND AS REQUIRED, TYP.
- 2 STANDING SEAM ROOF

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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	
EXTERIOR ELEVATIONS	
HONOLULU	HONOLULU CONTROL FACILITY (HCF) HI
REVIEWED BY: [] SUBMITTED BY: AARON SHAW PROJECT ENGINEER/ARCHITECT: AJW-ZW11C	APPROVED BY: VANCE WHITESEL APPROVER'S TITLE: MANAGER: AJW-ZW11C DATE: August 29, 2022 JCN: 1604158
DRAWN BY: M.KANG CHECKED BY: W.STEVENS	ENGINEERING SERVICES TERMINAL DRAWING NO.: HCF - D - ATCT - A201

HONOLULU CONTROL FACILITY
HONOLULU HAWAII

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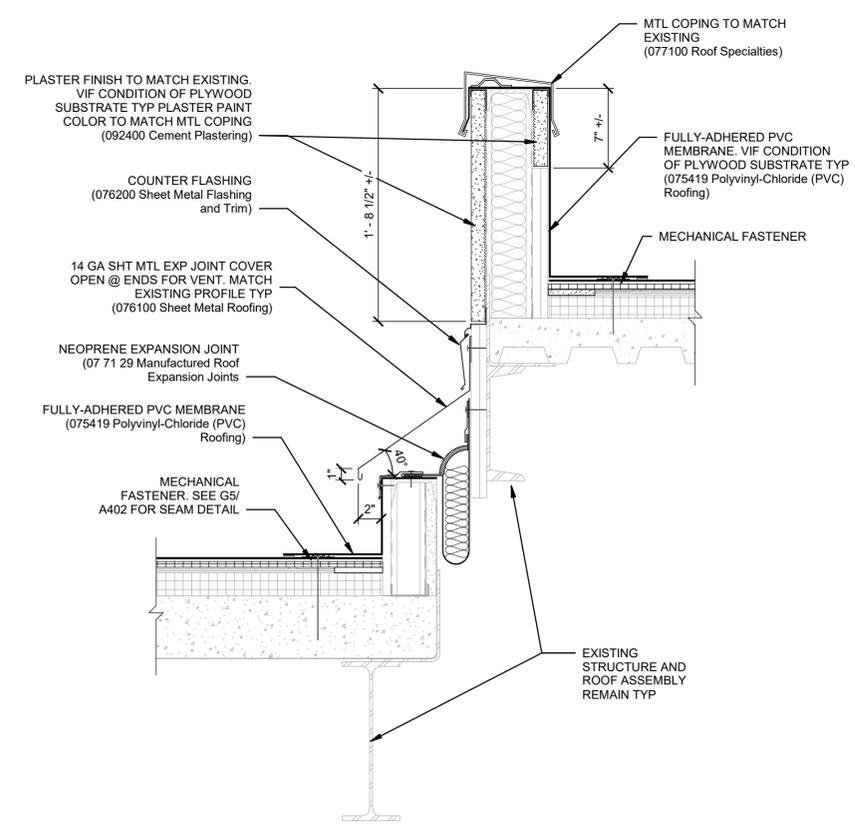
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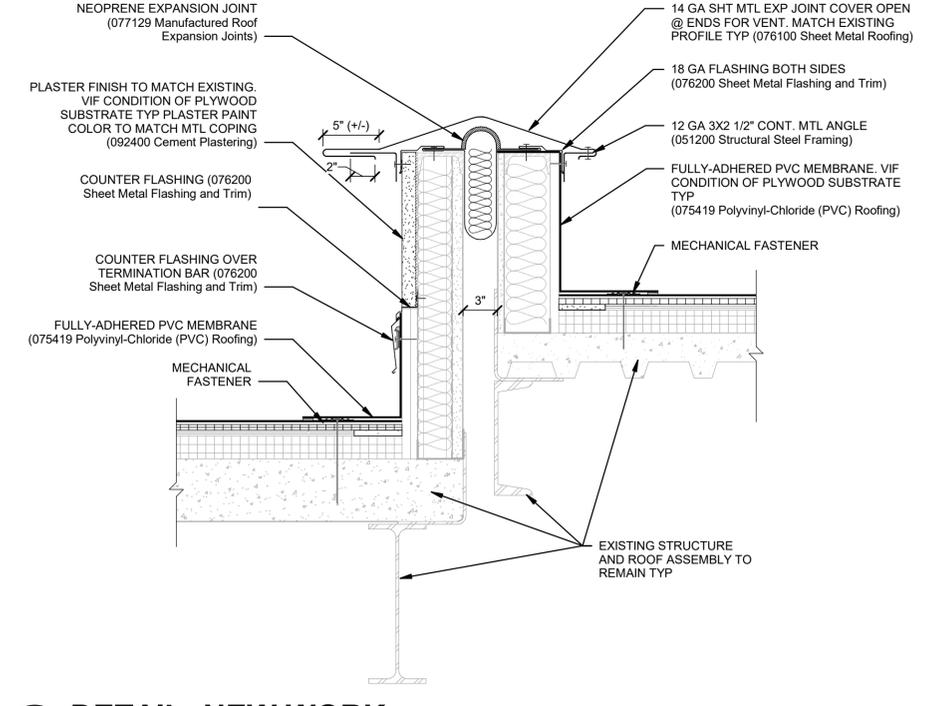
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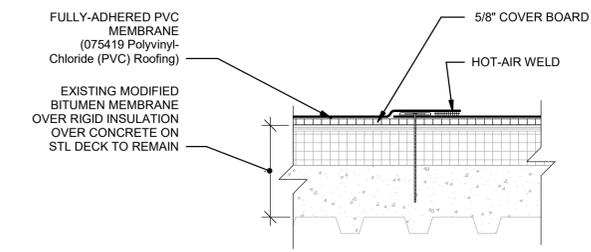
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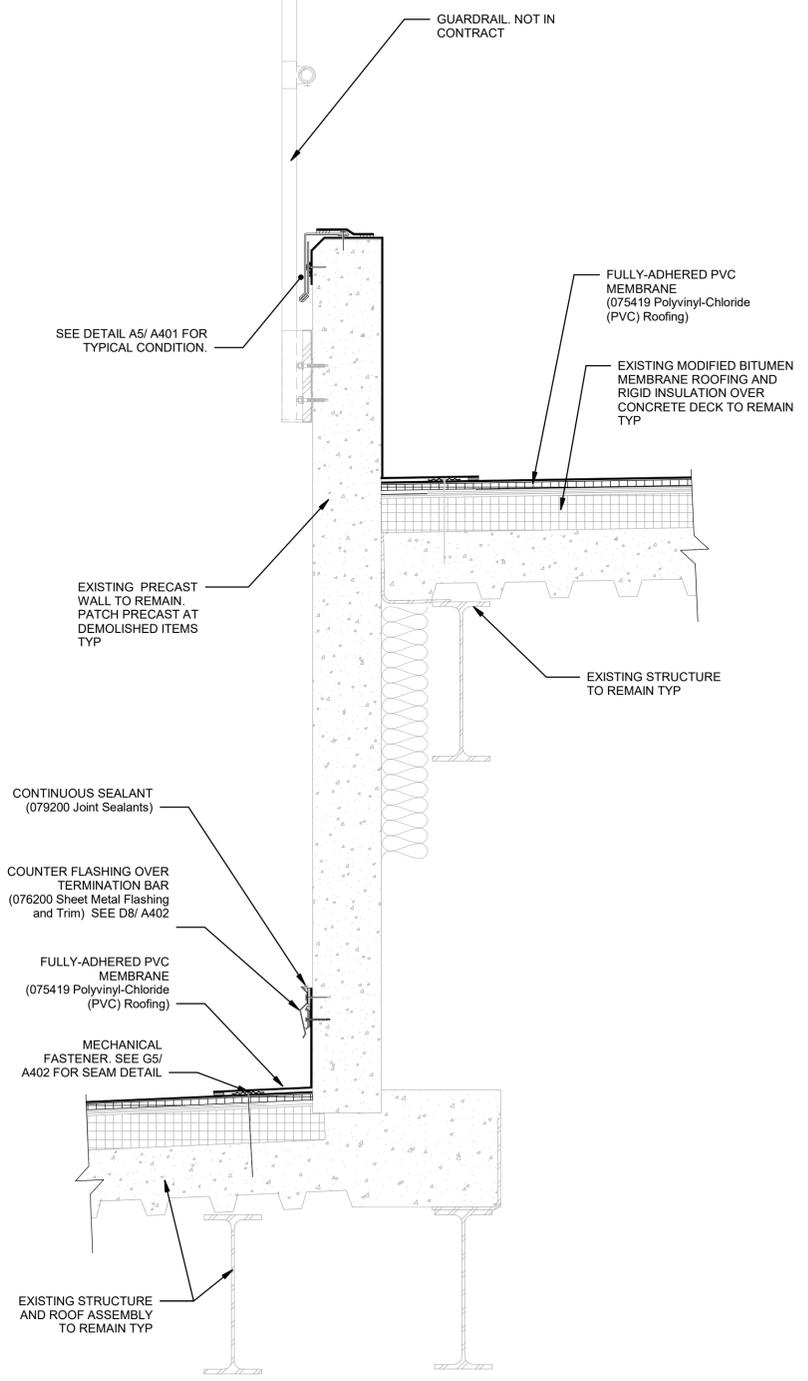
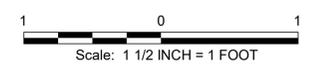
E5 DETAIL- NEW WORK
 A101 A401 1 1/2" = 1'-0"



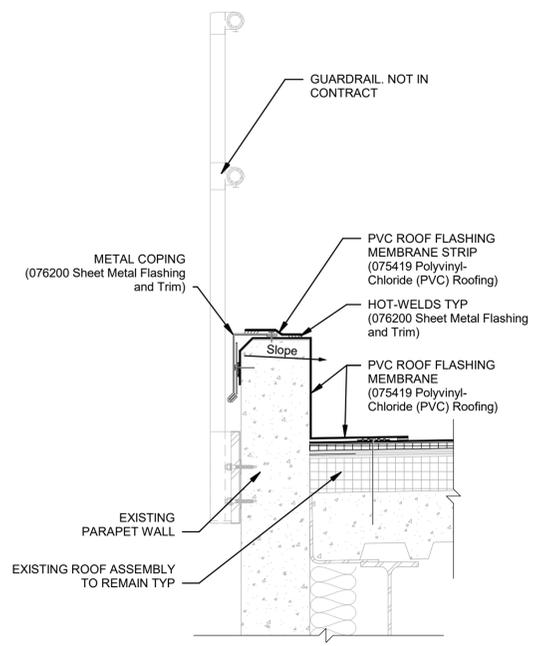
E3 DETAIL- NEW WORK
 A101 A401 1 1/2" = 1'-0"



D3 TYPICAL ROOF RE-COVER ASSEMBLY
 A101 A401 1 1/2" = 1'-0"



A8 DETAIL- NEW WORK
 A101 A401 1 1/2" = 1'-0"



A5 TYPICAL PARAPET DETAIL
 A101 A401 1 1/2" = 1'-0"

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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 ROOF DETAILS					
HONOLULU			HONOLULU CONTROL FACILITY (HCF)		HI
REVIEWED BY	SUBMITTED BY	APPROVED BY			
	AARON SHAW	VANCE WHITESEL			
SUBMITTER'S TITLE		APPROVER'S TITLE			
PROJECT ENGINEER/ARCHITECT, AJW-ZW11C		MANAGER, AJW-ZW11C			
DESIGNED BY	ISSUED BY	DATE	JCN		
R. SIMMONS	ENGINEERING SERVICES	August 29, 2022	1604158		
DRAWN BY	CHECKED BY	DRAWING NO.			
M. KANG	W. STEVENS	HCF - D - ATCT - A401			
HONOLULU CONTROL FACILITY HONOLULU HAWAII					

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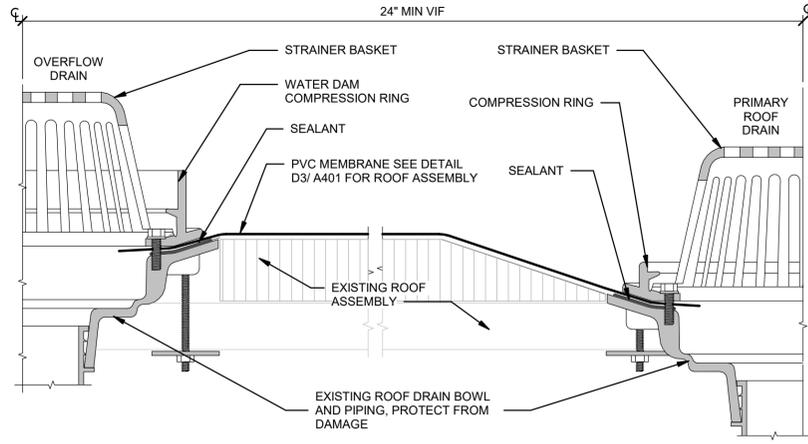
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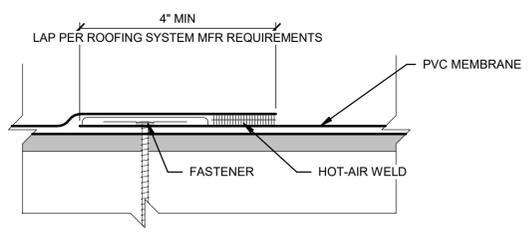
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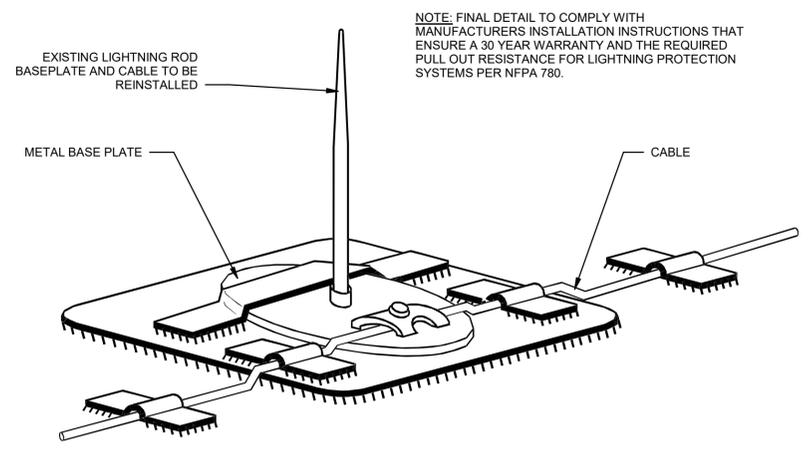
NOTE: REMOVE EXISTING STRAINER BASKET AND COMPRESSION RING FOR REINSTALLATION OF PVC MEMBRANE AND REINSTALL.



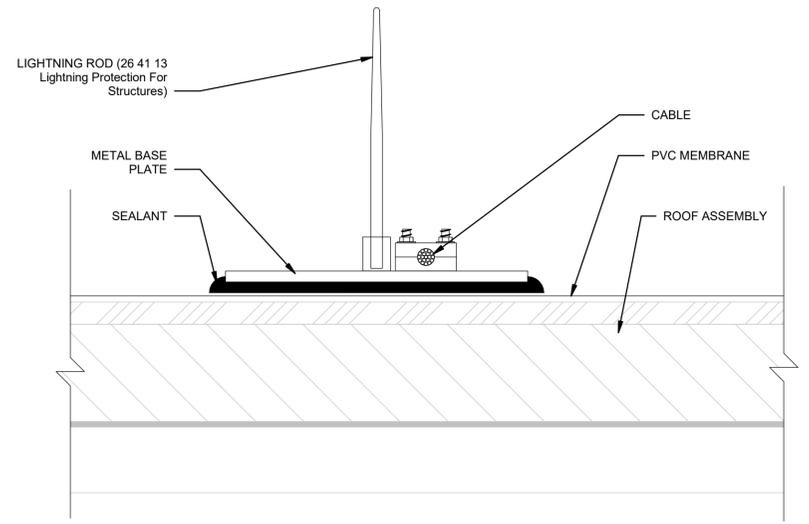
F8 DETAIL- PRIMARY- OVERFLOW DRAIN
A101 A402 6" = 1'-0"



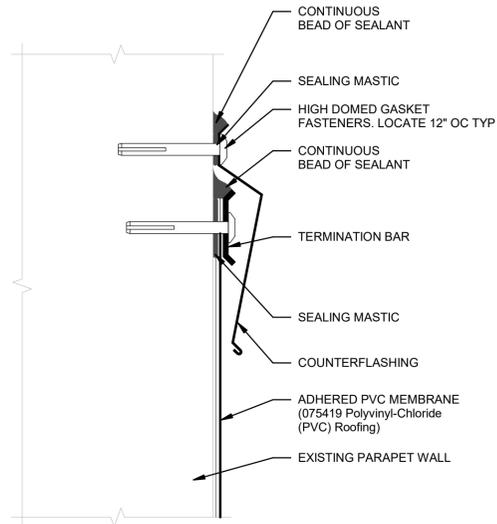
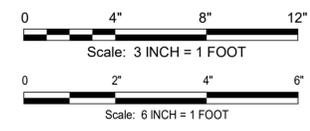
G5 TYPICAL ROOFING MEMBRANE SEAM
A402 6" = 1'-0"



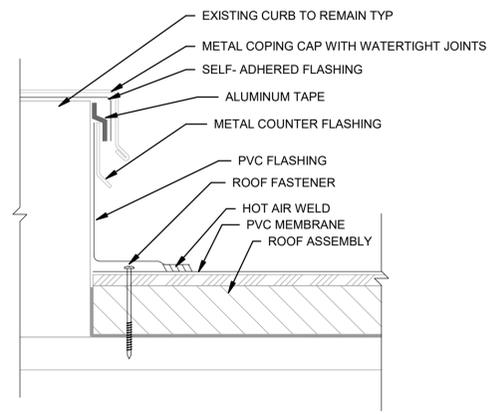
NOTE: FINAL DETAIL TO COMPLY WITH MANUFACTURERS INSTALLATION INSTRUCTIONS THAT ENSURE A 30 YEAR WARRANTY AND THE REQUIRED PULL OUT RESISTANCE FOR LIGHTNING PROTECTION SYSTEMS PER NFPA 780.



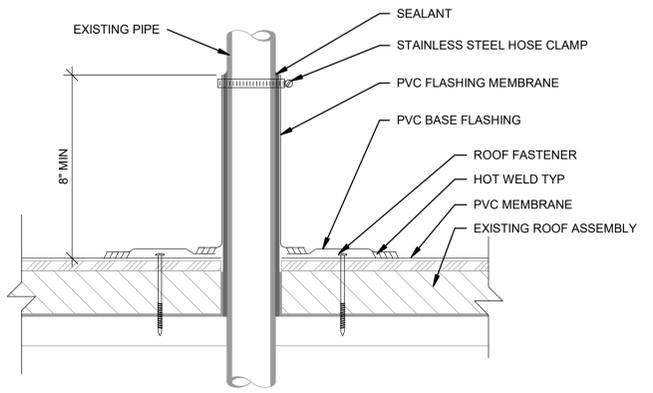
D3 TYPICAL DETAIL LIGHTNING ROD
A402 6" = 1'-0"



D8 DETAIL-TERM BAR-FLASHING
A401 A402 6" = 1'-0"



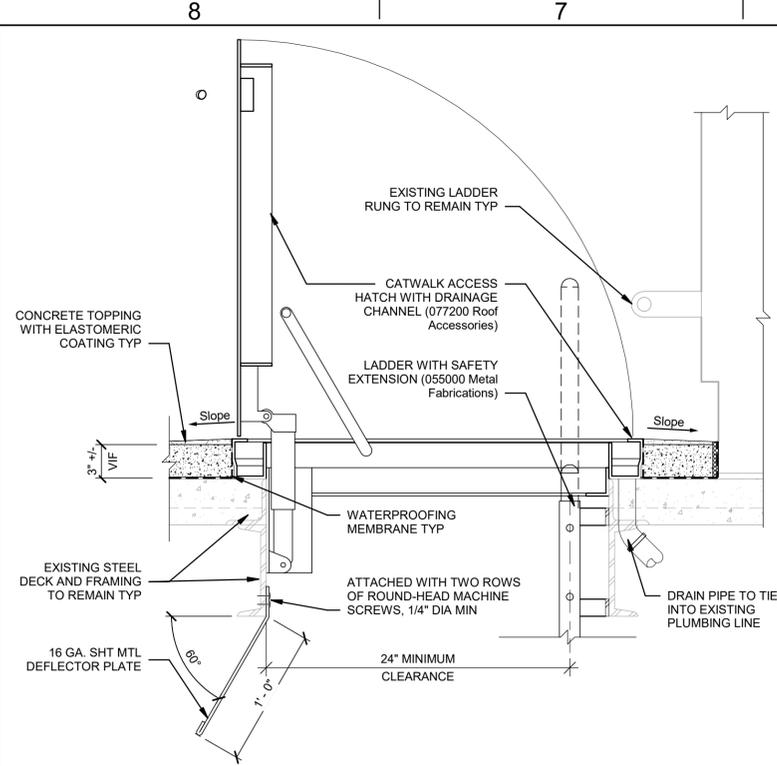
A8 TYPICAL DETAIL MECHANICAL CURB
A101 A402 3" = 1'-0"



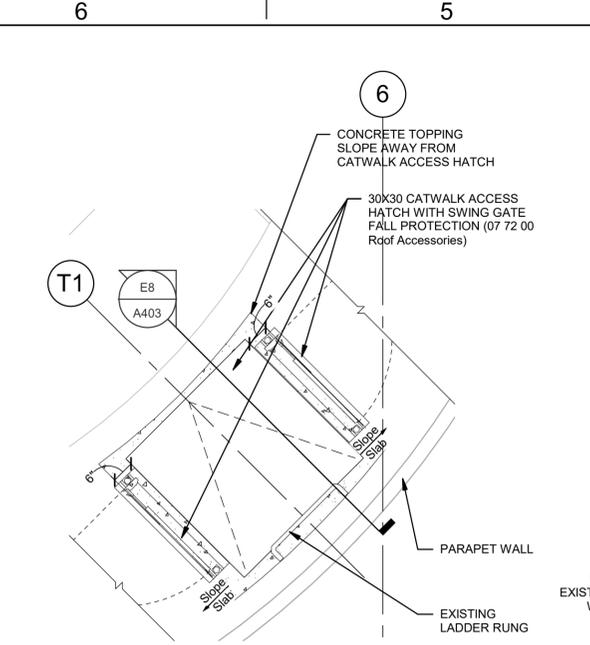
A5 TYPICAL DETAIL PIPE PENETRATION
A101 A402 3" = 1'-0"

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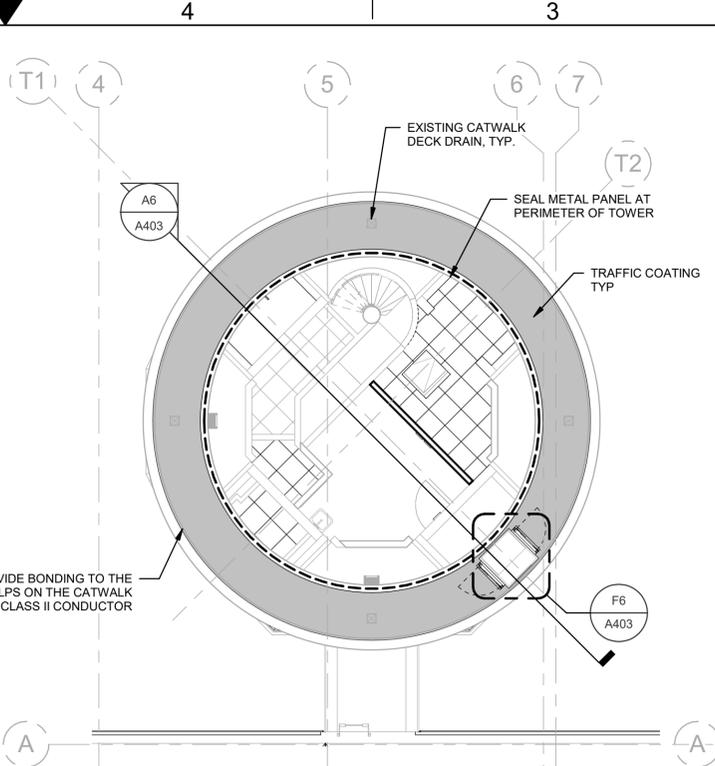
Jacobs		DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA	
		HONOLULU CONTROL FACILITY HCF ROOFING ROOF DETAILS	
		HONOLULU HONOLULU CONTROL FACILITY (HCF) HI	
REVIEWED BY	SUBMITTED BY	APPROVED BY	
	AARON SHAW	VANCE WHITESEL	
SUBMITTER'S TITLE		APPROVER'S TITLE	
PROJECT ENGINEER/ARCHITECT, A.J.W.-ZW11C		MANAGER, A.J.W.-ZW11C	
DESIGNED BY	ISSUED BY	DATE	JCN
R. SIMMONS	ENGINEERING SERVICES TERMINAL	August 29, 2022	1604158
DRAWN BY	CHECKED BY	DRAWING NO.	REV.
M. KANG	W. STEVENS	HCF - D - ATCT- A402	
HONOLULU CONTROL FACILITY HAWAII			



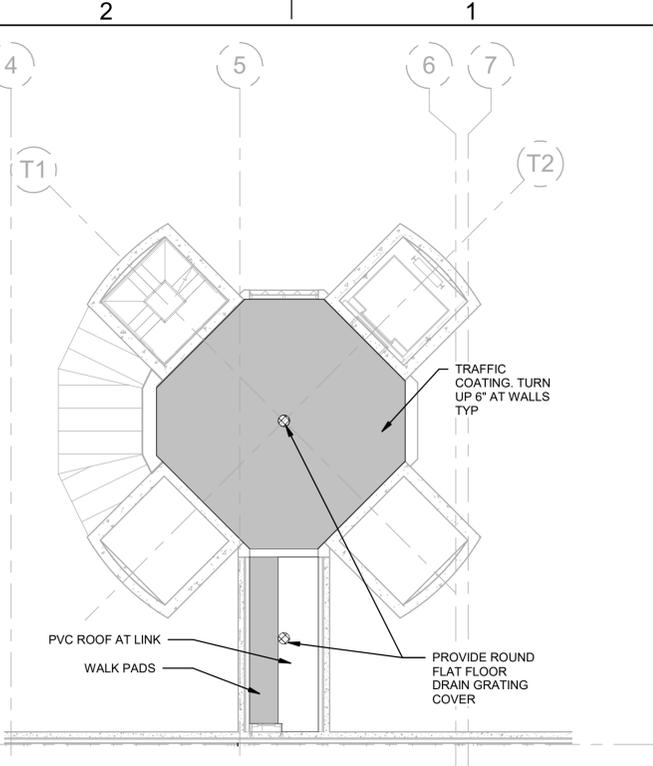
E8 CATWALK ACCESS HATCH DETAIL
A403 1/2" = 1'-0"



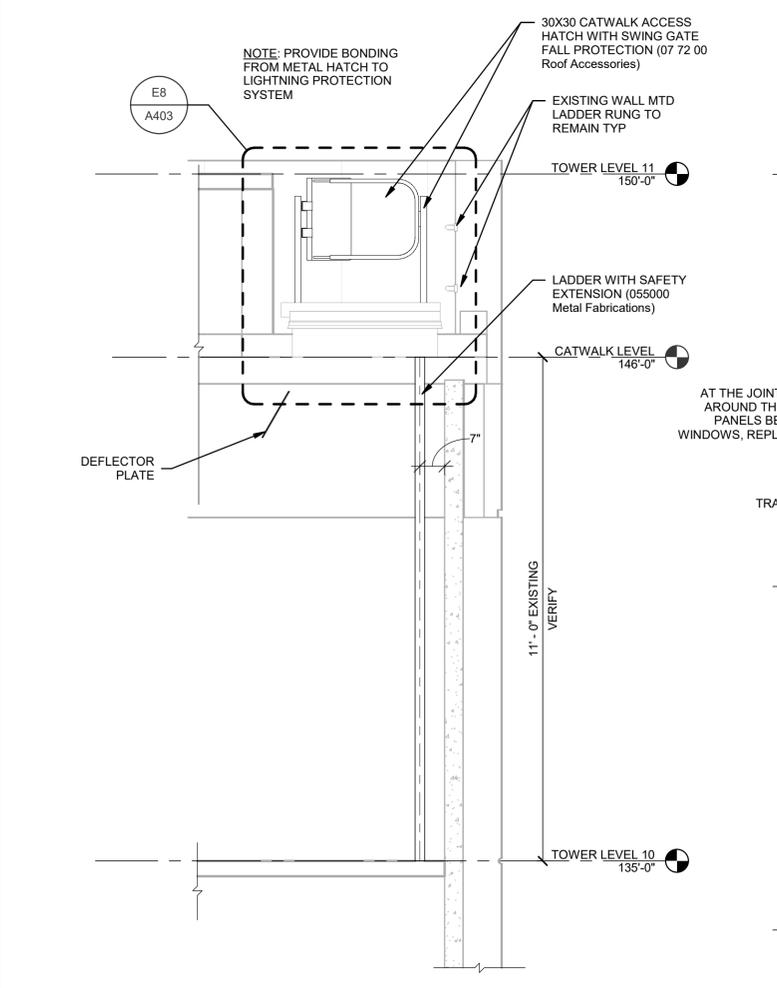
F6 CATWALK ACCESS HATCH PLAN
A403 1/2" = 1'-0"



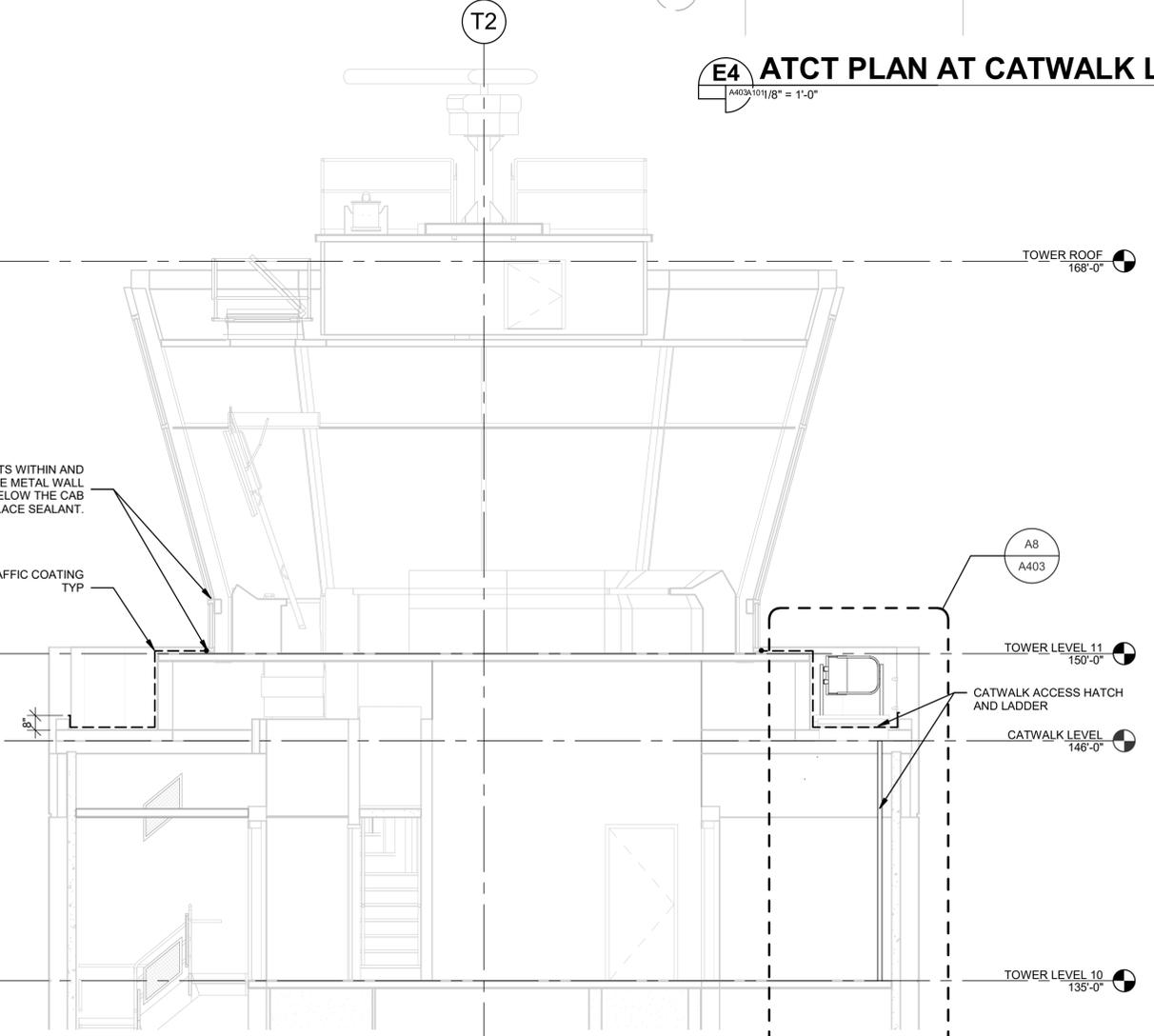
E4 ATCT PLAN AT CATWALK LEVEL
A403, A101, B" = 1'-0"



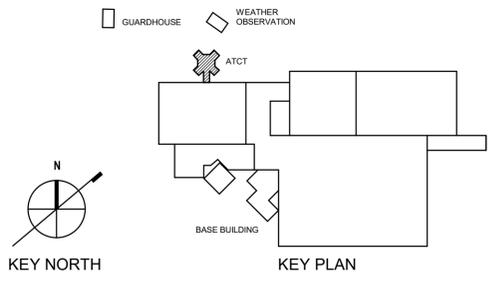
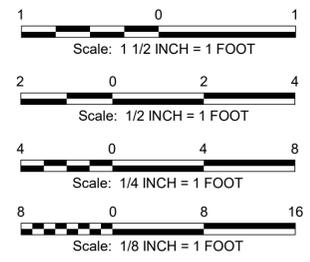
E2 ATCT PLAN AT SECOND FLOOR
A101, A403 1/8" = 1'-0"



A8 CATWALK ACCESS HATCH SECTION
A403 1/2" = 1'-0"



A6 ATCT SECTION
A101, A403 1/4" = 1'-0"



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HONOLULU CONTROL FACILITY HCF ROOFING		HONOLULU CONTROL FACILITY (HCF)	
WORK AT ATCT		HONOLULU HAWAII	
REVIEWED BY	SUBMITTED BY	APPROVED BY	
	AARON SHAW	VANCE WHITESEL	
DESIGNED BY	PROJECT ENGINEER/ARCHITECT	APPROVER'S TITLE	
R. SIMMONS	AJW-ZW11C	MANAGER	
DRAWN BY	ISSUED BY	DATE	JCN
M. KANG	ENGINEERING SERVICES	August 29, 2022	1604158
CHECKED BY	TERMINAL	DRAWING NO.	REV.
W. STEVENS		HCF - D - ATCT - A403	

