

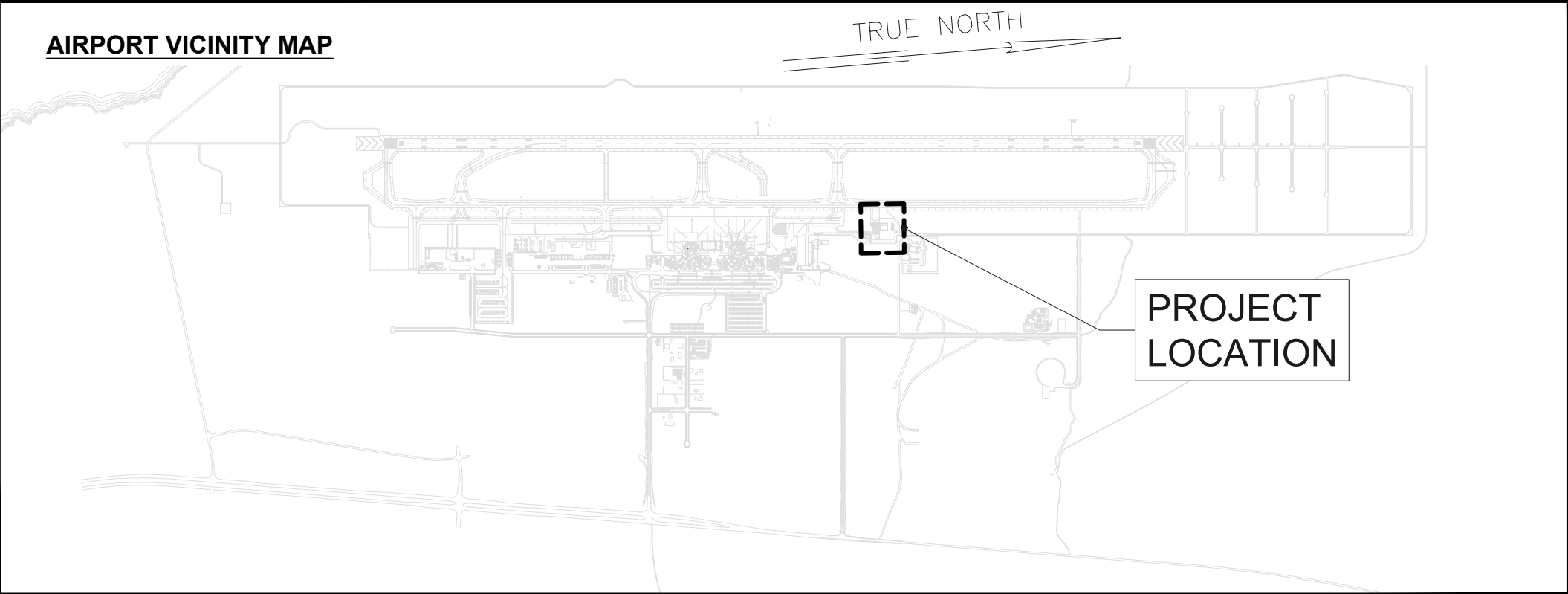
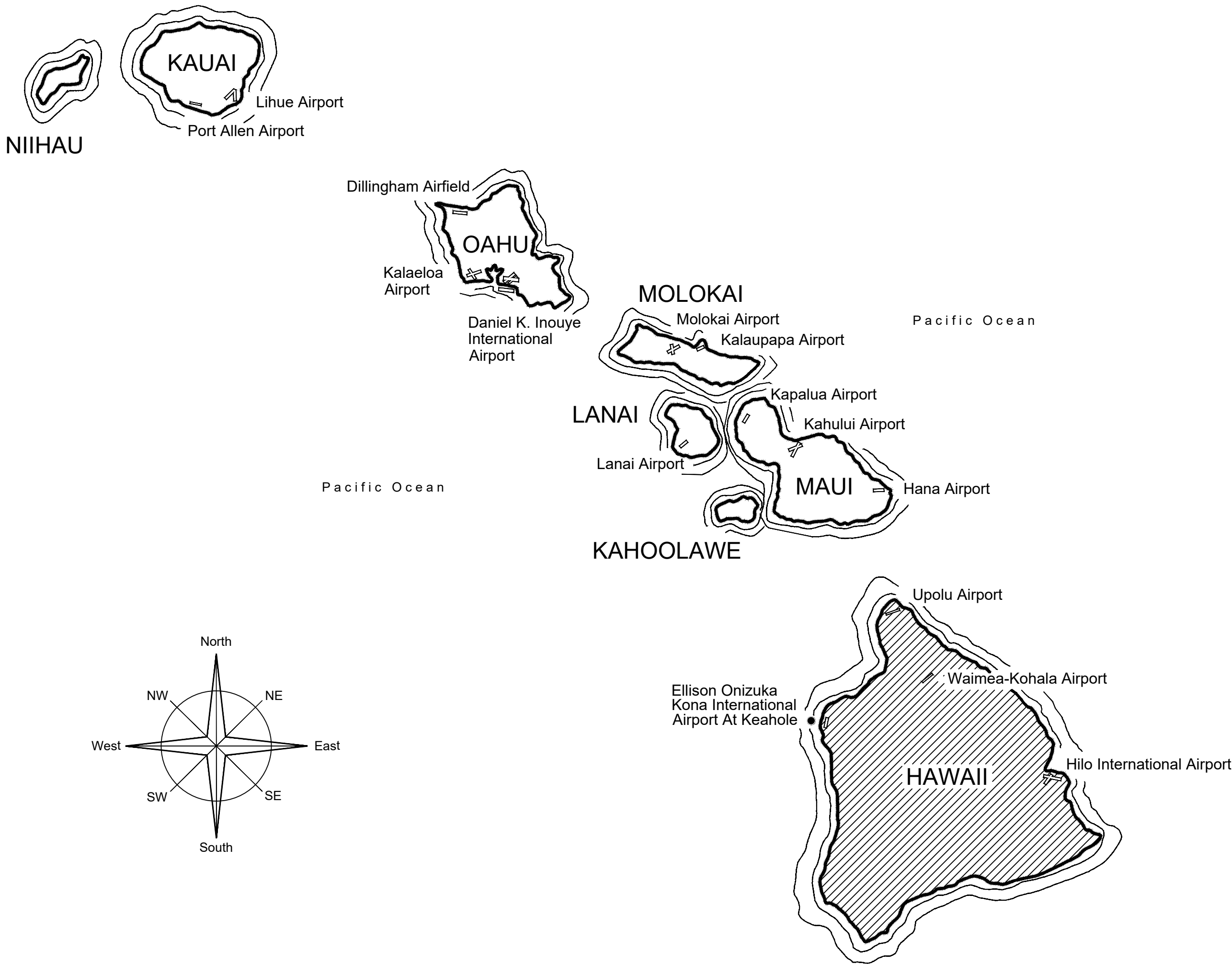
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS

PLANS FOR

ARFF APPARATUS BAY
BIRD CONTROL

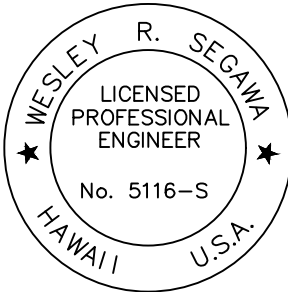
AT

ELLISON ONIZUKA KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII
PROJECT NO. CH2543-33

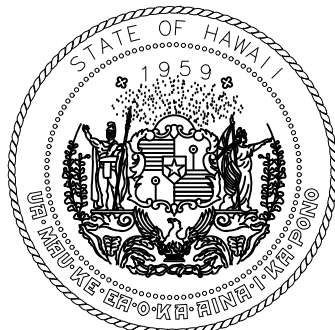


PROJECT TEAM

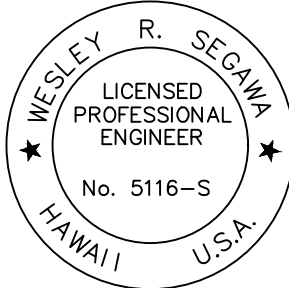
ARCHITECTURAL:
WESLEY R. SEGAWA AND
ASSOCIATES, INC
101 SILVA STREET
HILO, HI 96720
(808) 935-4677



WESLEY R. SEGAWA
STRUCTURAL



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS



WESLEY R. SEGAWA
04/30/2025
Licensed Expiration Date

This work was prepared by me or under my supervision.

DSGN.	DRWN.	CHKD.	APPD.
SS	SS	SS	WS

NO.	DATE	REVISIONS
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CONSTRUCTION
DOCUMENTS
APRIL 7, 2025
DATE

PROJECT TITLE :

ARFF APPARATUS BAY
BIRD CONTROL
AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

PROJECT NO.:

CH2543-33

SHEET TITLE:

TITLE SHEET
PROJECT LOCATION

DATE :	04/07/2025
SHEET :	01 OF 09 SHEETS

DWG. NO.	G001
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DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

APPROVED:

05/07/2025

DIRECTOR OF TRANSPORTATION

DATE

1. THE CONTRACTOR SHALL PROVIDE COMPLETE PROJECT SYSTEMS AND COMPONENTS AND COMPLY WITH ALL REQUIREMENTS INDICATED ON THE PROJECT DOCUMENTS.
2. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE CODES RELATED TO THIS PROJECT.

3. CONTRACTOR SHALL ATTAIN BLDG PERMIT AND DCAB APPROVAL AND ABIDE TO BLDG OFFICIALS' DIRECTIVES.
4. CONTRACTOR SHALL VERIFY ALL CONTRACT DOCUMENTS, SITE DIMENSIONS AND EXISTING CONDITIONS PRIOR TO STARTING WORK AND SHALL NOTIFY THE STATE ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REINSTALLING EXISTING STRUCTURES INCLUDING UTILITIES IMPROVEMENTS AND FINISHES AS IS REQUIRED IN THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL, IN THE WORK OF ALL TRADES, PERFORM ANY AND ALL CUTTING, PATCHING, REPAIRING, RESTORING AND THE LIKE NECESSARY TO COMPLETE THE WORK AND TO REPLACE AND REPAIR ANY DAMAGED OR AFFECTED EXISTING SURFACES RESULTING FROM THE WORK OF THIS CONTRACT TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE STATE AND TO THE SATISFACTION OF STATE ENGINEER.
6. ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL REMAIN IN USE AND SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR DURING CONSTRUCTION, UNLESS SPECIFIED ON THE PLANS TO BE ABANDONED. ANY DAMAGES TO THE EXISTING UTILITIES SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR, PERSONAL INJURY RESULTING FROM CONTACT WITH THE EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR CONSTRUCTION METHODS AND FOR JOB SITE SAFETY REQUIREMENTS AND PRECAUTIONS.
8. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE CONTINUOUS PUBLIC, STATE, FEDERAL AND AIRLINES INGRESS, EGRESS, AND AIRPORT OPERATIONS TO ALL SECTORS OF AIRPORT FACILITIES DURING NORMAL OPERATING HOURS. IF WORK SHALL BE PERFORMED DURING AIRPORT OFF HOURS, CONTRACTOR SHALL COORDINATE THEIR WORK ACCORDINGLY. WORK SEQUENCE AND CONSTRUCTION SHALL BE REVIEWED AND APPROVED BY STATE ENGINEER.
9. "STATE ENGINEER" REFERS TO DOTA STATE PROJECT MANAGER OR DESIGNATED REPRESENTATIVE PERSONNEL.
10. "STATE" REFERS TO STATE OF HAWAII DEPARTMENT OF TRANSPORTATION AIRPORTS DIVISION.

1. CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW ALL CONSTRUCTION DOCUMENTS. ANY WORK NOT SHOWN, BUT INCIDENTAL TO THE CONTRACT AND NECESSARY TO COMPLETE THE PROJECT ALTHOUGH

NOT SPECIFICALLY REFERRED TO ON THE CONTRACT DOCUMENTS, SHALL BE INCLUDED AND PROVIDED BY THE CONTRACTOR AT NO ADDED COST. THE STATE ENGINEER SHALL BE NOTIFIED IN WRITING FOR CLARIFICATION PRIOR TO SUBMISSION OF BID. IF THE STATE ENGINEER IS NOT NOTIFIED OF SUCH DISCREPANCIES THE CONTRACTOR SHALL BID ON THE DISCREPANCIES WHICH REQUIRE THE GREATER SCOPE OF WORK AND COST OF MATERIALS.

1. CONSTRUCTION DOCUMENTS ARE BASED ON, BUT NOT LIMITED TO DEMOLITION, SITE PREPARATION AND CONSTRUCTION WORK FOR ARFF APPARATUS BIRD CONTROL. CONSTRUCTION SEQUENCES TO MAINTAIN CONTINUOUS AIRPORT OPERATIONS IN AND AROUND PROJECT SITE. TO FACILITATE AND MINIMIZE OPERATIONAL IMPACT OR TO EASE CONSTRUCTION THE CONTRACTOR SHALL SUBMIT 15 CALENDAR DAYS

AFTER CONTRACT AWARD PRIOR TO COMMENCEMENT OF WORK, DETAILED CONSTRUCTION SEQUENCE PLANS AND SCHEDULES FOR REVIEW AND APPROVAL BY THE STATE ENGINEER. ANY REVISIONS OR MODIFICATIONS TO THE PROPOSED SEQUENCE PLANS SHALL BE AT NO ADDITIONAL COST TO THE STATE.

1. THE CONTRACTOR SHALL FURNISH ALL ESCORTS, FLAG PEOPLE, AND COMMUNICATION DEVICES; AS WELL AS, ALL AOA TRAFFIC CONTROL DEVICES SPECIFIED IN THE TECHNICAL PROVISION SECTION 01800 SPECIAL REQUIREMENTS FOR CONTRACTORS ON THE AOA.
2. THE CONTRACTOR'S ESCORTS SHALL CONTINUOUSLY MONITOR RADIO FREQUENCY, INDICATED IN THE TECHNICAL PROVISION SECTION 01800, FOR ALL POTENTIAL AIRCRAFT ACTIVITY THAT IS UNFORESEEN
3. BEFORE STARTING ANY WORK AT EACH WORKDAY, THE CONTRACTOR SHALL SET UP ALL AOA TRAFFIC CONTROL DEVICES IN THE ORDER REQUIRED BY THE CONTRACT. AT THE END OF EACH WORKDAY, THE CONTRACTOR SHALL TAKE DOWN ALL AOA TRAFFIC CONTROL DEVICES IN THE RESERVE ORDER.
4. THE CONTRACTOR SHALL NOT TAKE DOWN ANY AOA TRAFFIC CONTROL DEVICES UNTIL WORK IS COMPLETED IN THE AOA.
5. THE CONTRACTOR SHALL NOT LEAVE THE AOA UNTIL ALL AOA TRAFFIC CONTROL DEVICES HAVE BEEN TAKEN DOWN.
6. THE CONTRACTOR SHALL NOT LEAVE THE AIRPORT UNTIL ALL STAGING AREAS ARE CLEARED ACCORDING TO TECHNICAL PROVISION SECTION 017000 - MOBILIZATION AND DEMOBILIZATION.

7. SEE SPECIFICATION FOR ADDITIONAL AOA TRAFFIC CONTROL REQUIREMENTS.
8. SEE SHEET G003 FOR BARRICADE AND STAGING PLAN.

AC	AIR CONDITIONING	MANUF/MFG	MANUFACTURER
ADA	AMERICANS WITH DISABILITIES ACT	MAX	MAXIMUM
ADJ	ADJACENT	MECH	MECHANICAL
AFF	ABOVE FINISHED FLOOR	MET/ MTL	METAL
AL/ALUM	ALUMINUM	MH	MANHOLE
AOA	AIRPORT OPERATION AREA	MIN	MINIMUM
APPROX	APPROXIMATE	MIR	MIRROR
ARCH	ARCHITECTURAL	MTD	MOUNTED
BD	BOARD	NIC	NOT IN CONTRACT
BLDG	BUILDING	NO	NUMBER
BLKG	BLOCKING	NTS	NOT TO SCALE
BLVD	BOULEVARD	OC	ON CENTER
BM	BEAM	OPNG	OPENING
BOB	BOTTOM OF BEAM	OPP	OPPOSITE
BOT	BOTTOM	PLYD	PLYWOOD
CL	CENTERLINE	PNL	PANEL
CLG	CEILING	PR	PAIR
CLR	CLEAR	PREFAB	PREFABRICATED
CMU	CONCRETE MASONRY UNIT	PT	POINT; PAINT
CNTR	CENTER	PTN	PARTITION
COL(S)	COLUMN(S)	Q	QUANTITY
COND	CONDITION	REF	REFERENCE
CONT/CONT	CONTINUOUS; CONTINUED	REQ	REQUIRED
CONTR	CONTRACTOR	REV	REVISION
DEMO	DEMOLITION	RF	ROOF
DET	DETAIL	RO	ROUGH OPENING
DIA	DIAMETER	SC	SCALE; SOLID CORE
DIM	DIMENSION	SCHED	SCHEDULE
DN	DOWN	SCRN	SCREEN
DOTA	DEPARTMENT OF TRANSPORTATION, AIRPORTS DIVISION	SD	SMOKE DETECTOR
DR	DOOR	SECT	SECTION
DWG/DWGS	DRAWINGS	SF	SQUARE FOOT
EA	EACH	SHT	SHEET
EL	ELEVATION	SIDA	SECURITY IDENTIFICATION DISPLAY AREA
ELEC	ELECTRICAL	SIM	SIMILAR
ELEV	ELEVATOR	SKY	SKYLIGHT
FA	FIRE ALARM; FAMILY ASSIST	SL	SLOPE
FAA	FEDERAL AVIATION ADMINISTRATION	SP	SPACE; SOLID PLASTIC
FF	FINISH FLOOR	SPEC	SPECIFICATION
FIXT	FIXTURE	SPR	SPRINKLER
FLR	FLOOR	SQ	SQUARE
FRMG	FRAMING	SS	STAINLESS STEEL
FSPK	FIRE SPRINKLER	STD	STANDARD
FT	FEET	STL	STEEL
FV	FIELD VERIFY	STOR	STORAGE
GWB	GYPSUM WALL BOARD	SYM	SYMMETRICAL
GYP BD	GYPSUM BOARD	SYS	SYSTEM
IBC	INTERNATIONAL BUILDING CODE	THK	THICK
INCL	INCLUSIVE	TO ()	TOP OF (ITEM)
INFO	INFORMATION	TYP	TYPICAL
INT	INTERIOR	UTIL	UTILITY
L	LENGTH	VAR	VARIES
LBS	POUNDS	VERT	VERTICAL
LTG	LIGHTING	W/	WITH
LVL	LEVEL	WD	WOOD
LVR	LOUVER	WDW	WINDOW
		WO	WITHOUT; WHERE OCCURS

[illegible]

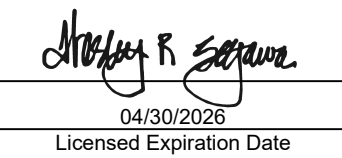
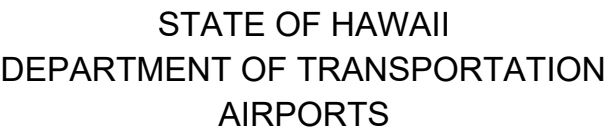
LAND OWNER:
AIRPORT DIVISION, DEPARTMENT OF TRANSPORTATION,
STATE OF HAWAII

ADDRESS:
KOA ARFF STATION AT ELLISON ONIZUKA,
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

TMK: 7 - 3 - 43; 3, PA 94
 LAND AREA: 20,612 SF
 ZONING: MG - GENERAL INDUSTRIAL
 CODE: 2018 INTERNATIONAL BUILDING CODE
 HAWAII COUNTY CODE
 2010 ADA AND ADAAG
 2006 NFPA 1 FIRE CODE
 2006 UPC
 2008 IECC
 2006 NEC

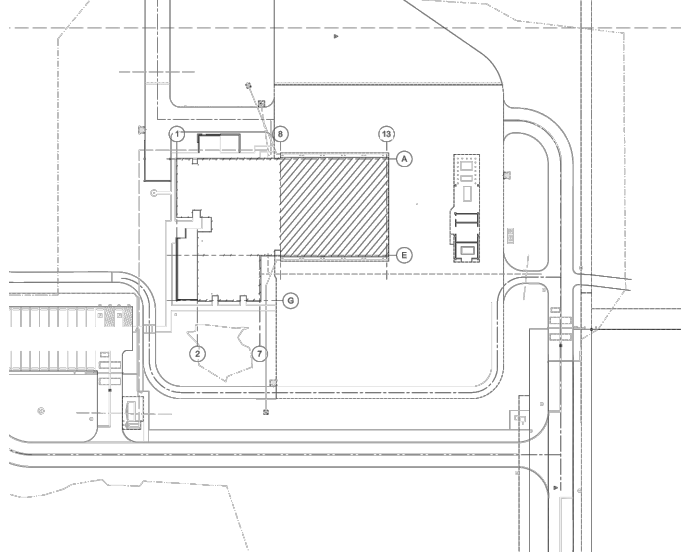
OCCUPANCY:	B, R2, S1 AND S-2 (R2 GOVERNS THE DESIGN)
CONSTRUCTION:	EXISTING - TYPE VA, FIRE RATED
OCCUPANCY LOAD:	EXISTING - NO CHANGE
FLOOR AREA:	EXISTING - NO CHANGE
FIRE SPRINKLER:	AUTOMATED FIRE SPRINKLER EXISTING - NO CHANGE

PARKING REQUIREMENT: EXISTING - NO CHANGE
LOADING REQUIREMENT: EXISTING - NO CHANGE



This work was prepared by me or under my supervision.

DSGN.	DRWN.	CHKD.	APPD.
SS	SS	SS	WS



NO.	DATE	REVISIONS

APRIL 7, 2025
DATE

ARFF APPARATUS BAY BIRD CONTROL

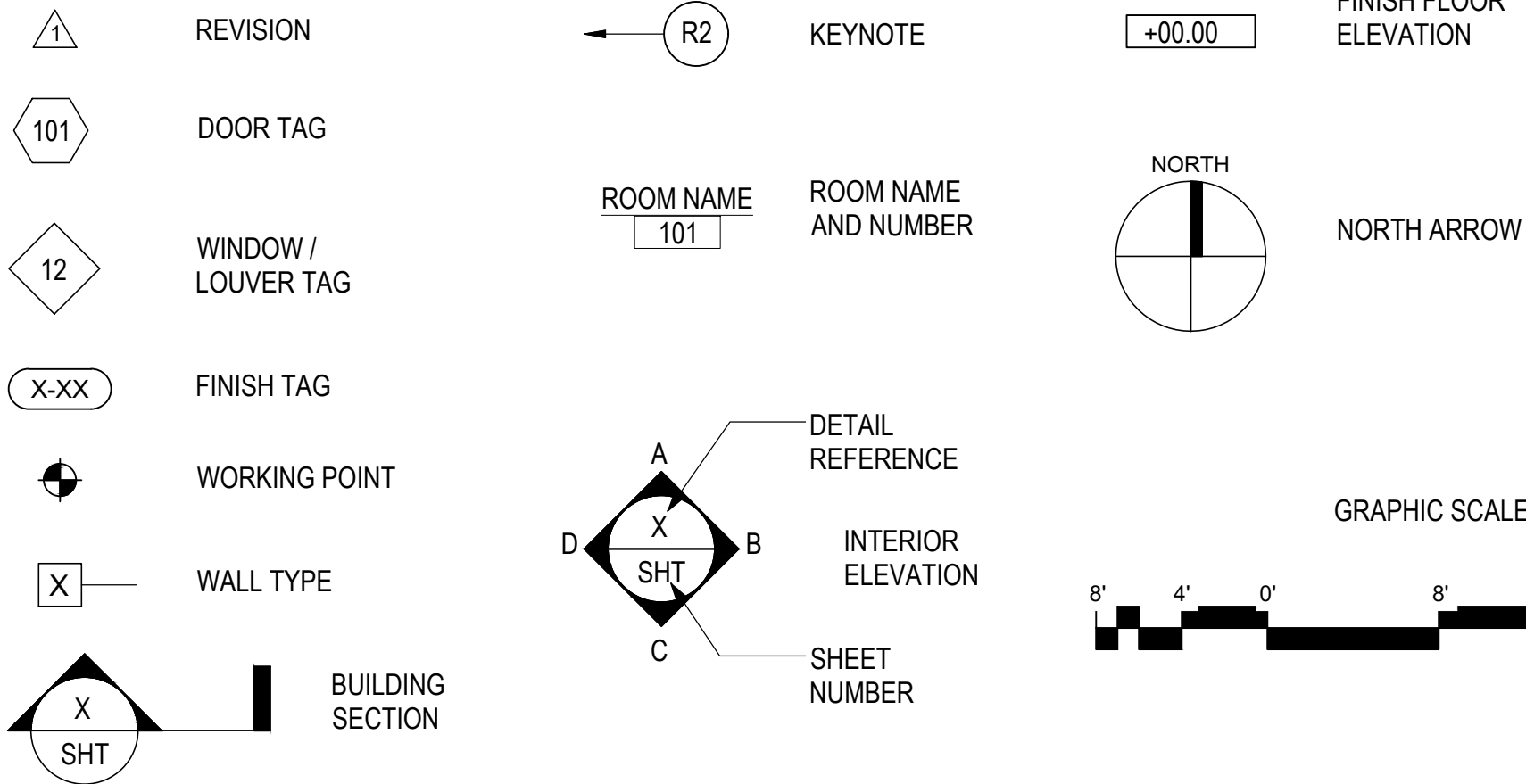
AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

CH2543-33

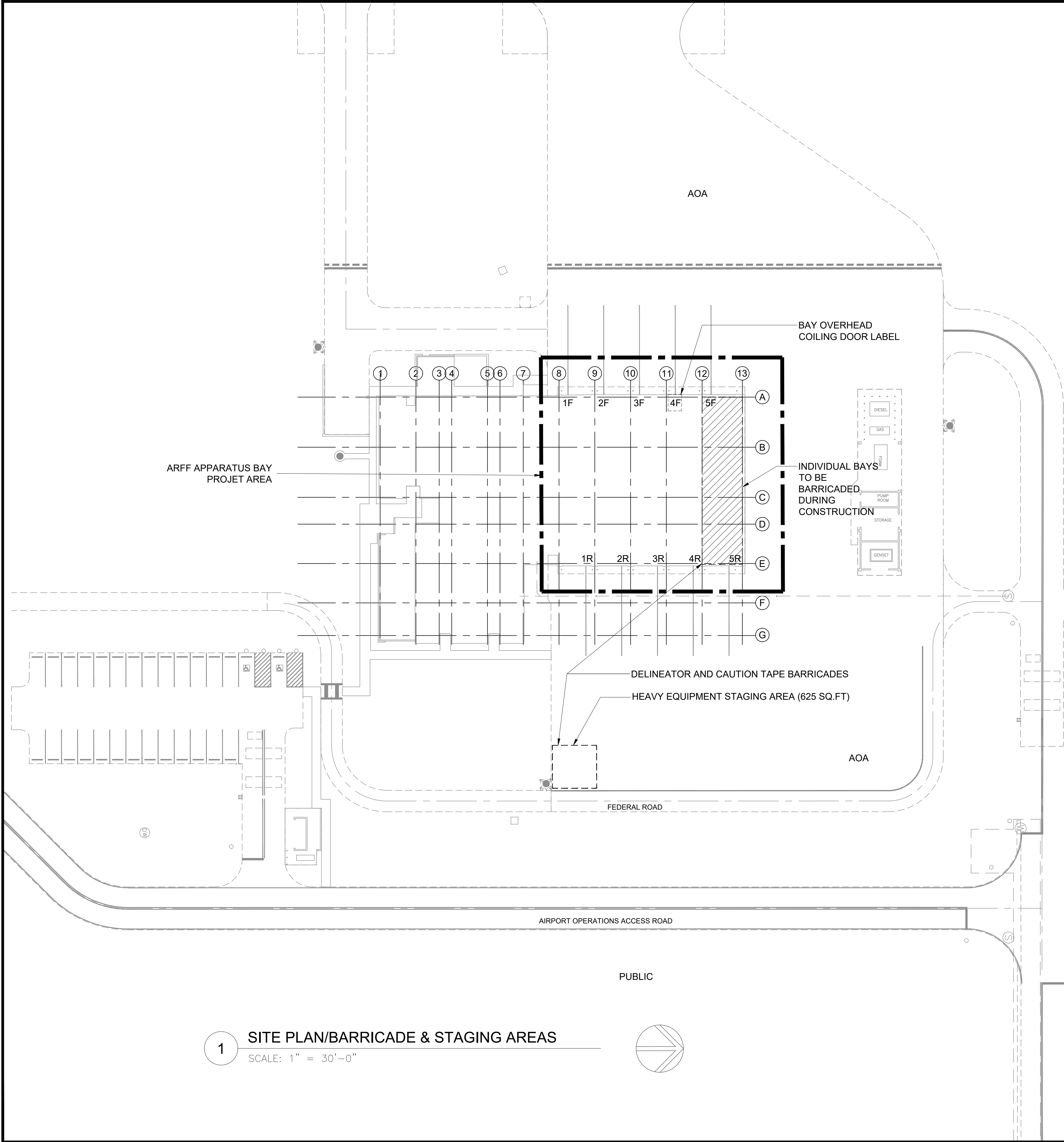
**GEN. NOTES, ABBREVS
DRAWING INDEX,
DRAWING SYMBOLS
CODE INFORMATION**

DATE :	DWG. NO.
04/07/2025	G002
SHEET :	
02 OF 09 SHEETS	

DETAIL REFERENCE DETAILED OBJECT SHEET NUMBER	EXIST GRIDS (CIRCLE) GRID LINE AND REFERENCE
DETAIL	GRIDS (HEXAGON)
WALL SECTION	_____ HIDDEN OR DEMOLITION LINE _____ EXISTING (LIGHTER LINES) _____ NEW (HEAVIER LINES)



Y:\REFERENCE\GEN ENG KOA BIRD\NIP\ANS\KOA ARFF FINAL 040725\KOA ARFF BIRD SHT 1 G002 A001.DWG



1 SITE PLAN/BARRICADE & STAGING AREAS
SCALE: 1" = 30'-0"

NOTES:

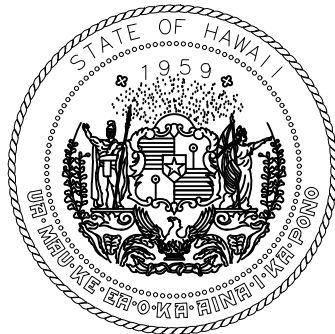
1. SEE DRAWING SHEETS A001 THROUGH A006
2. SEE SPECIFICATIONS
3. SEE GENERAL NOTES AT SHEET G002

DEMOLITION NOTES:

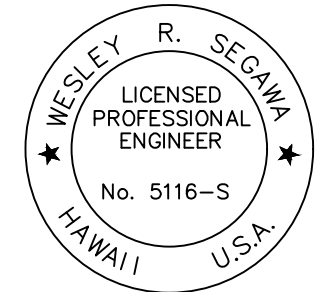
1. LIMITS AND ITEMS SHOWN FOR REMOVAL AREA BASED ON BEST AVAILABLE RECORD DOCUMENTS AND TOPOGRAPHIC SURVEY. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY ITEMS NOT SHOWN IN ORDER TO COMPLETE THE WORK.
2. ANY UTILITIES SHOWN TO BE REMOVED SHALL BE VERIFIED BY THE CONTRACTOR. NOTIFY AND SCHEDULE ANY INTENDED INTERRUPTIONS TO THE APPROPRIATE UTILITY OWNER.
3. COORDINATE ANY UTILITY REMOVAL WITH ARFF CHIEF AND DOTA MANAGER.
4. PHASING OF WORK ARE AS FOLLOWS:
PHASE 1 - GRIDLINE 12 to GRIDLINE 13 / BAY 5
PHASE 2 - GRIDLINE 11 to GRIDLINE 12 / BAY 4
PHASE 3 - GRIDLINE 10 to GRIDLINE 11 / BAY 3
PHASE 4 - GRIDLINE 9 to GRIDLINE 10 / BAY 2
PHASE 5 - GRIDLINE 8 to GRIDLINE 9 / BAY 1

BARRICADE AND SIGNAGE FOR PUBLIC SAFETY/ACCESS NOTES:

1. CONTRACTOR SHALL PROVIDE DRAWINGS SHOWING CONSTRUCTION BARRICADE LAYOUT AND APPROPRIATE CONSTRUCTION BARRICADES FOR ALL DESIGNATED CONSTRUCTION AREAS. LAYOUT SHALL BE REVIEWED AND APPROVED BY STATE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. CONTRACTOR SHALL ERECT SECURITY AND CONSTRUCTION BARRICADES ENCOMPASSING THE LIMITS OF PROJECT'S SCOPE AND SHALL PROVIDE TEMPORARY SIGNAGE TO FACILITATE NORMAL AIRPORT OPERATIONS AND PASSENGER CIRCULATION DURING ALL CONSTRUCTION SEQUENCES FOR THIS PROJECT. SIGNAGE SHALL COMPLY WITH DOT-A SIGN AND GRAPHICS DESIGN MANUAL VOLUME-1 TERMINAL SIGNAGE DATED DECEMBER 2000.
3. CONTRACTOR SHALL PROVIDE AND MAINTAIN NECESSARY CONSTRUCTION BARRICADES TO ENSURE THAT PUBLIC AREAS ARE SAFE, CLEAR, UNOBSTRUCTED AND SECURE FROM AREAS UNDER CONSTRUCTION. CONTRACTOR SHALL PROVIDE SECURITY BARRICADES AND ACCESS WAYS BETWEEN ALL PUBLIC AREAS AND AREAS OF CONSTRUCTION. WHERE APPLICABLE BARRICADES SHALL BE CONSTRUCTED AND MAINTAINED TO MEET FAA AND TSA SECURITY REQUIREMENTS FOR THE DURATION OF THE PROJECT.
4. BARRICADE SHALL PROVIDE SAFE PASSAGEWAY AND CIRCULATION FOR PEDESTRIANS PER IBC SECTION 3306, AND COMPLY WITH ALL REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (REFER TO ADAAG SECTION 206).
5. CONTRACTOR SHALL COMPLETE DOT-A's CONSTRUCTION SAFETY AND PHASING PLAN (CSPP) FOR STATE ENGINEER'S REVIEW AND APPROVAL.
6. REFER TO DOT-A's AC5370-2 "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION" INCLUDING APPENDIX 3
7. WORK WITHIN THE AREA BOUNDARIES INDICATED IN THE PROJECT DOCUMENTS, AND COMPLY WITH ALL APPLICABLE BUILDING CODE, REGULATION, & ORDINANCE REQUIREMENTS. OCCUPANTS ADJACENT TO THE PROJECT AREA BOUNDARIES SHALL CONTINUE UNINTERRUPTED OCCUPANCY DURING CONSTRUCTION OF THE PROJECT.
8. VERIFY FIELD CONDITIONS AND COORDINATION WITH THE PROJECT DOCUMENTS PRIOR TO PROCEEDING WITH THE WORK.
9. COORDINATE THE WORK WITH ALL REQUIREMENTS INDICATED IN THE PROJECT DOCUMENTS.



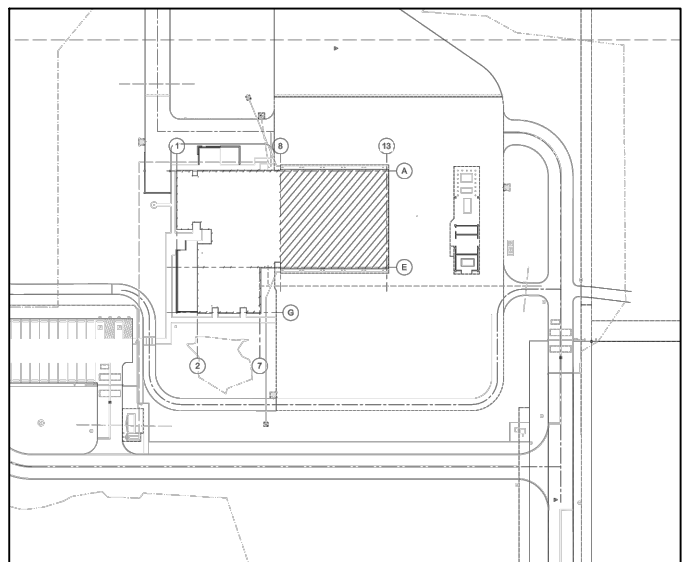
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS



Wesley R. Segawa
04/30/2026
Licensed Expiration Date

This work was prepared by me or under my supervision.

DSGN.	DRWN.	CHKD.	APPD.
SS	SS	SS	WS



NO.	DATE	REVISIONS

CONSTRUCTION DOCUMENTS
APRIL 7, 2025
DATE

PROJECT TITLE :

ARFF APPARATUS BAY BIRD CONTROL
AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOE
KAILUA-KONA, HAWAII

PROJECT NO.:

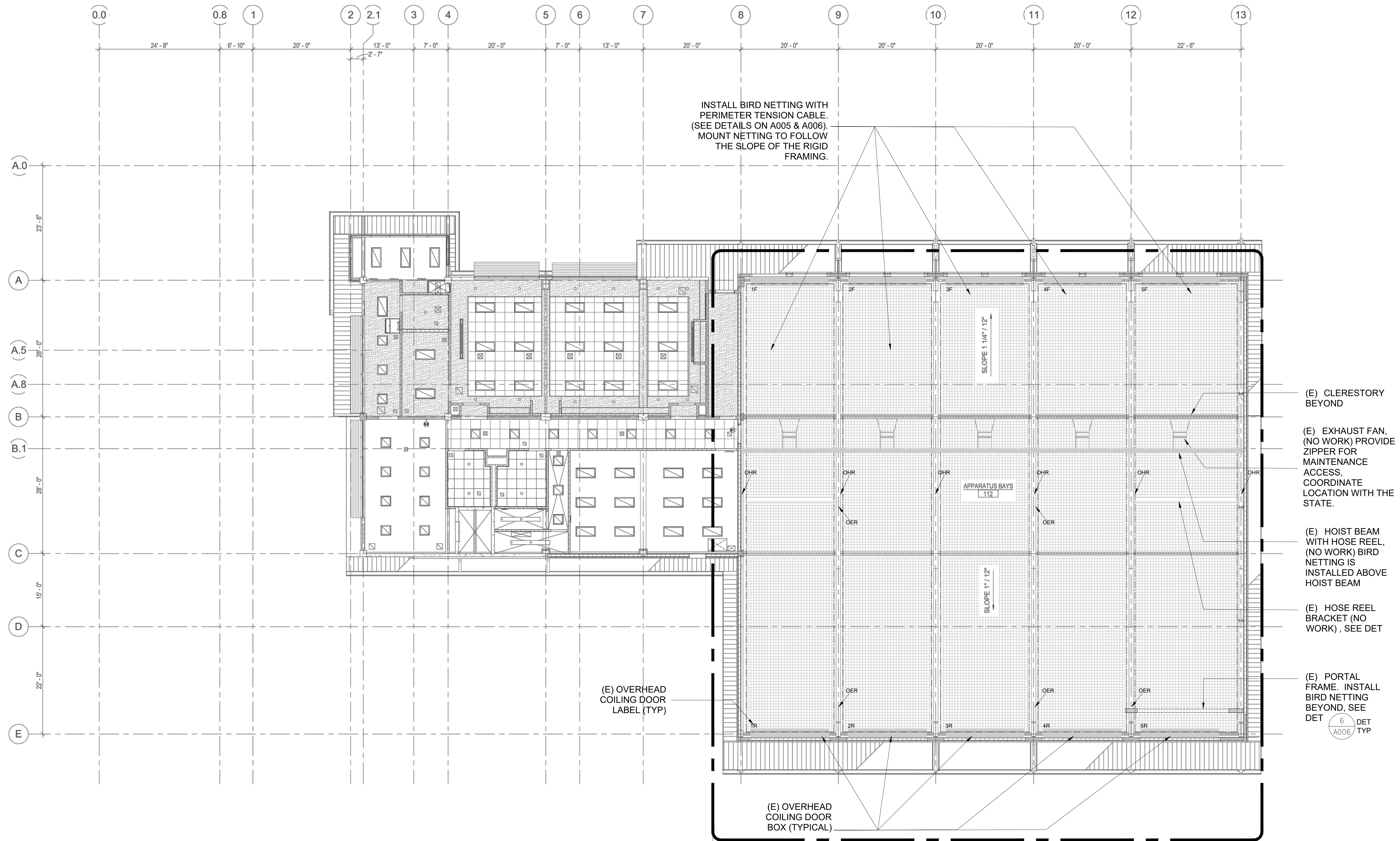
CH2543-33

SHEET TITLE:

SITE PLAN / BARRICADE AND STAGING

DATE :	DWG. NO.
04/07/2025	G003
SHEET :	
03 OF 09 SHEETS	

Y:\REFERENCE\GEN ENG\AOA BIRD\ANS\AOA ARFF FINAL\DOT2543\AOA ARFF BIRD SHIT LOGS\BARRICADES.DWG



1 EXISTING REFLECTED CEILING PLAN (RCP)
SCALE: 3/32" = 1'-0"



1
A002
PROJECT LOCATION
APPARATUS BAY

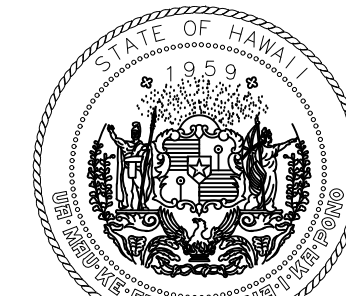
LEGEND

- OHR - OVERHEAD RETRACTABLE AIR HOSE REEL
- OER - OVERHEAD RETRACTABLE ELECTRIC REEL
- #R - EXISTING OVERHEAD COILING DOOR MARKING, "#" NUMBER AND "R" REAR
- #F - EXISTING OVERHEAD COILING DOOR MARKING, "#" NUMBER AND "F" FRONT

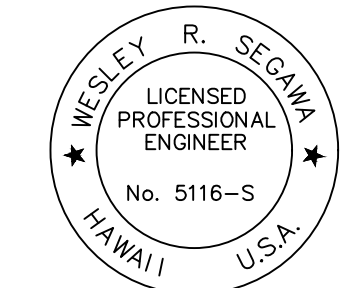
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A006
DET
TYP

3
A006
DET
TYP

6
A006
DET
TYP



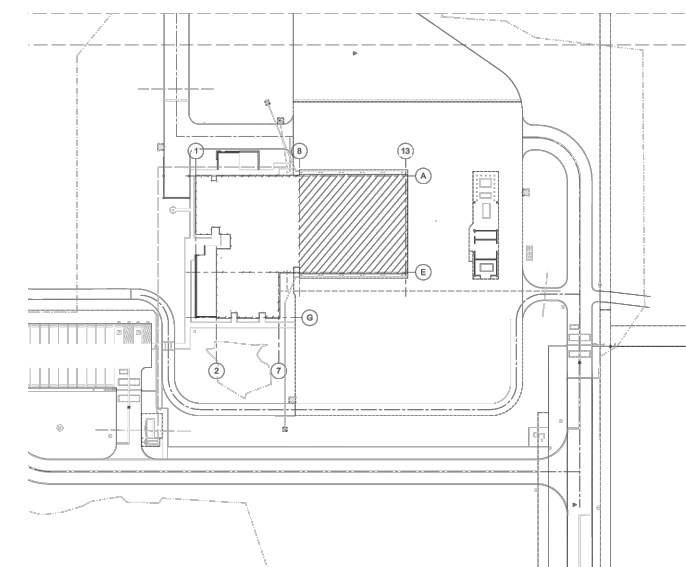
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS



04/30/2025
Licensed Expiration Date

This work was prepared by me or under my supervision.

DSGN.	DRWN.	CHKD.	APPD.
SS	SS	SS	WS



NO.	DATE	REVISIONS
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CONSTRUCTION
DOCUMENTS

APRIL 7, 2025
DATE

PROJECT TITLE :

ARFF APPARATUS BAY
BIRD CONTROL

AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOE
KAILUA-KONA, HAWAII

PROJECT NO.:

CH2543-33

SHEET TITLE:

EXISTING
REFLECTED
CEILING PLAN

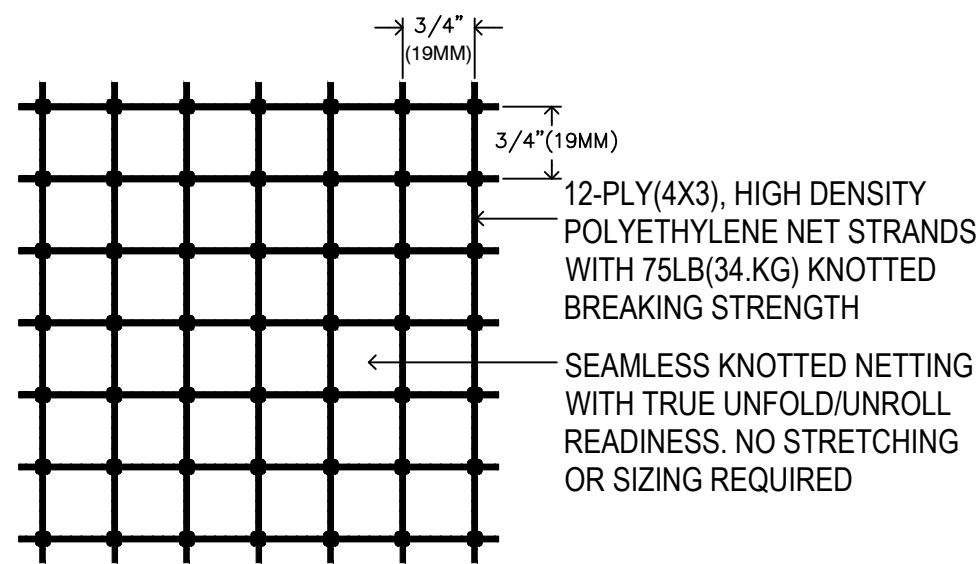
DATE :
04/07/2025
SHEET :
04 OF 09 SHEETS

DWG. NO.

A001

GENERAL NOTES

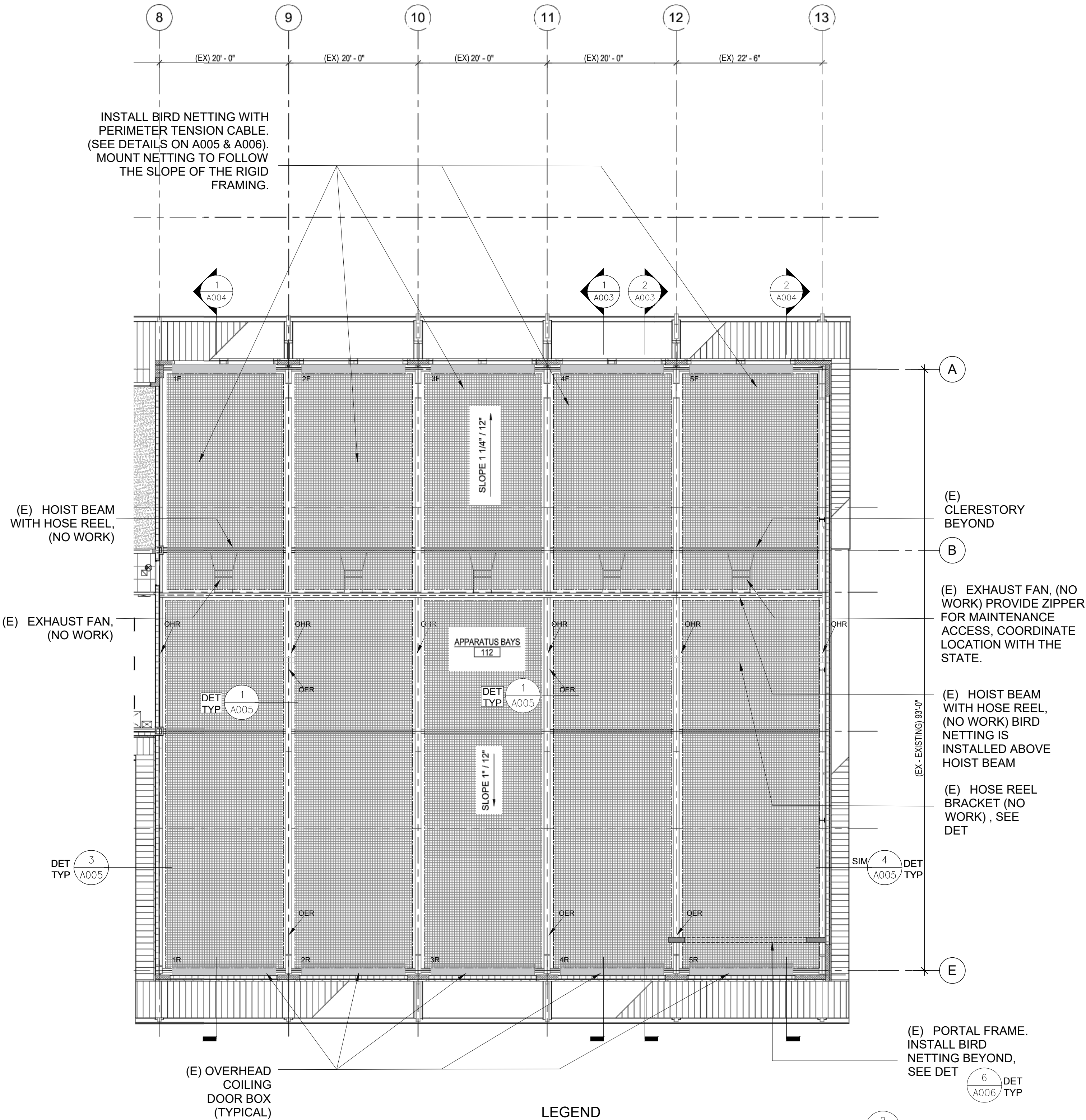
- ALL EXISTING DIMENSIONS SHALL BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL EXAMINE, READ AND BE THOROUGHLY FAMILIAR WITH THE CONTRACT DOCUMENTS. SHOULD THE CONTRACTOR FIND DISCREPANCIES IN, OR OMISSIONS FROM THE DRAWINGS AND SPECIFICATIONS OR OR OTHER CONTRACT DOCUMENTS OR SHOULD BE IN DOUBT AS TO THEIR INTENT OR MEANING, THE CONTRACTOR SHALL NOTIFY THE STATE OR ITS REPRESENTATIVE IMMEDIATELY FOR CLARIFICATION OR INTERPRETATION.
- DRAWINGS INDICATE GENERAL DETAILS OF CONSTRUCTION, WHERE FIELD CONDITIONS ARE NOT IDENTICAL TO THE CONTRACT DOCUMENTS, BUT ARE OF SIMILAR CHARACTER TO THE DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL OF DOTA OR ITS REPRESENTATIVE PRIOR TO CONSTRUCTION. WHERE CONSTRUCTION DETAILS ARE SHOWN FOR SPECIFIC LOCATIONS, THEY SHALL ALSO APPLY TO SIMILAR CONDITIONS THROUGHOUT. WHETHER SPECIFICALLY MENTIONED IN THE DRAWINGS OR NOT.
- DRAWINGS INDICATE THE GENERAL ARRANGEMENT AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL FIELD CONDITIONS PERMIT. REASONABLE MODIFICATIONS TO SUIT JOB CONDITIONS SHALL NOT CONSTITUTE A BASIS FOR ADDITIONAL COMPENSATION.
- OBTAIN APPROVAL FROM THE DOTA REPRESENTATIVE OF THE CUTTING AND PATCHING PROPOSAL BEFORE CUTTING AND PATCHING STRUCTURAL ELEMENTS, OPERATING ELEMENTS OR SAFETY RELATED SYSTEMS.
- NO BURNING OF DEBRIS AND/OR WASTE MATERIALS SHALL BE PERMITTED ON THE PROJECT SITE
- ALL UNUSABLE DEBRIS AND WASTE MATERIAL SHALL BE HAULED AWAY TO A COUNTY OF HAWAII AND DEPARTMENT OF HEALTH APPROVED OFF-SITE DUMP AREA. DURING LOADING OPERATIONS, DEBRIS AND WASTE MATERIALS SHALL BE WATERED DOWN TO ALLAY DUST.
- NO DRY SWEEPING SHALL BE PERMITTED IN CLEANING RUBBISH AND FINES WHICH CAN BECOME AIRBORNE FROM FLOORS OR OTHER PAVED AREAS. VACUUMING WET MOPPING OR WET OR DAMP SWEEPING IS PERMISSIBLE.
- OBTAIN AND PAY FOR ALL APPLICABLE PERMITS, FEES, CERTIFICATES AND INSPECTIONS.
- FURNISH AND INSTALL ALL MATERIAL AND EQUIPMENT, INCLUDING CUTTING AND PATCHING, AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM, ALL MATERIALS SHALL BE NEW, FREE FROM DEFECTS, AND CONFORM TO CODE.
- STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS SHALL COMPLY WITH NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS AND THIS CHAPTER 2012 NFPA 1.
- EACH NET TO BE A SEAMLESS PIECE THAT UNROLLS AND UNFOLDS. NO STRETCHING OR SIZING BEFORE INSTALLATION IS NECESSARY.
- MANUFACTURED AND TESTED IN COMPLIANCE WITH **ISO 9001 2000 QUALITY MANAGEMENT STANDARDS**.
- INSTALL NETTING WITH A TENSIONED PERIMETER AND SUPPORT CABLE SYSTEM PER MANUFACTURER RECOMMENDED DETAILS AND GUIDELINES.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL AFFECTED SYSTEMS TO ENSURE ACCESS REQUIREMENTS FOR MAINTENANCE AND REPAIR ARE MET DURING AND AFTER INSTALLATION, FACILITATING A SMOOTH POST-CONSTRUCTION BUILDING MAINTENANCE OPERATION.
- ANY NIGHT-TIME CONSTRUCTION ACTIVITY OR EQUIPMENT MAINTENANCE MUST HAVE FULLY DARK SKY COMPLIANT SHIELDED LIGHTS. LARGE FLOOD/WORK LIGHTS SHALL BE PLACED ON POLES HIGH ENOUGH TO ALLOW LIGHTS TO BE POINTED DIRECTLY AT THE GROUND. HOWEVER, NO NIGHT-LIGHT CONSTRUCTIONS WILL BE PERMITTED BETWEEN SEPTEMBER 15 AND DECEMBER 15 IN ORDER TO PREVENT DISORIENTATION OF NOCTURNAL-FLYING BIRDS DURING NESTING SEASON.
- ALL INCIDENTAL WORK NECESSARY TO COMPLETE THE INSTALLATION OF THE BIRD NETTING IS PART OF THIS CONTRACT.



2

BIRD NETTING DETAILS

SCALE: NTS



LEGEND

- OHR - OVERHEAD RETRACTABLE AIR HOSE REEL
OER - OVERHEAD RETRACTABLE ELECTRIC REEL
#R - EXISTING OVERHEAD COILING DOOR MARKING, "#\" BAY NUMBER AND "R\" REAR
#F - EXISTING OVERHEAD COILING DOOR MARKING, "#\" BAY NUMBER AND "F\" FRONT

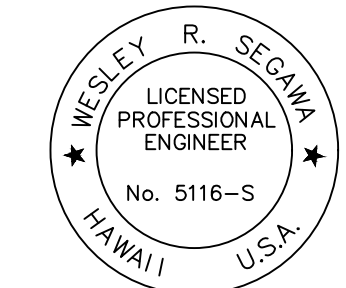
1

EXISTING RCP/REFLECTED CEILING PLAN - BIRD NETTING

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



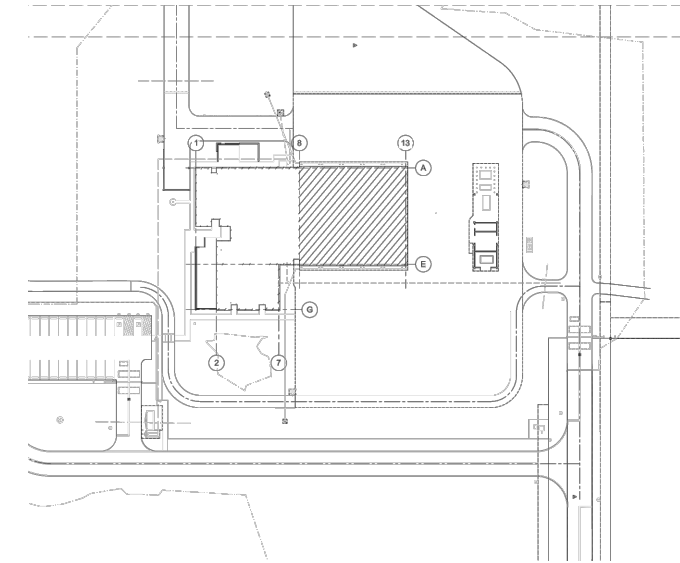
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS



Wesley R. Segawa
04/30/2026
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DSGN.	DRWN.	CHKD.	APPD.
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NO.	DATE	REVISIONS
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CONSTRUCTION DOCUMENTS

APRIL 7, 2025
DATE

PROJECT TITLE :

ARFF APPARATUS BAY BIRD CONTROL

AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

PROJECT NO.:

CH2543-33

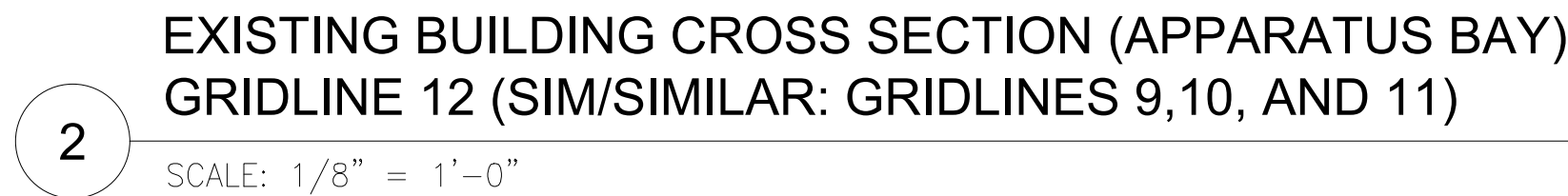
SHEET TITLE:

EXISTING RCP - BIRD NETTING DETAILS GENERAL NOTES

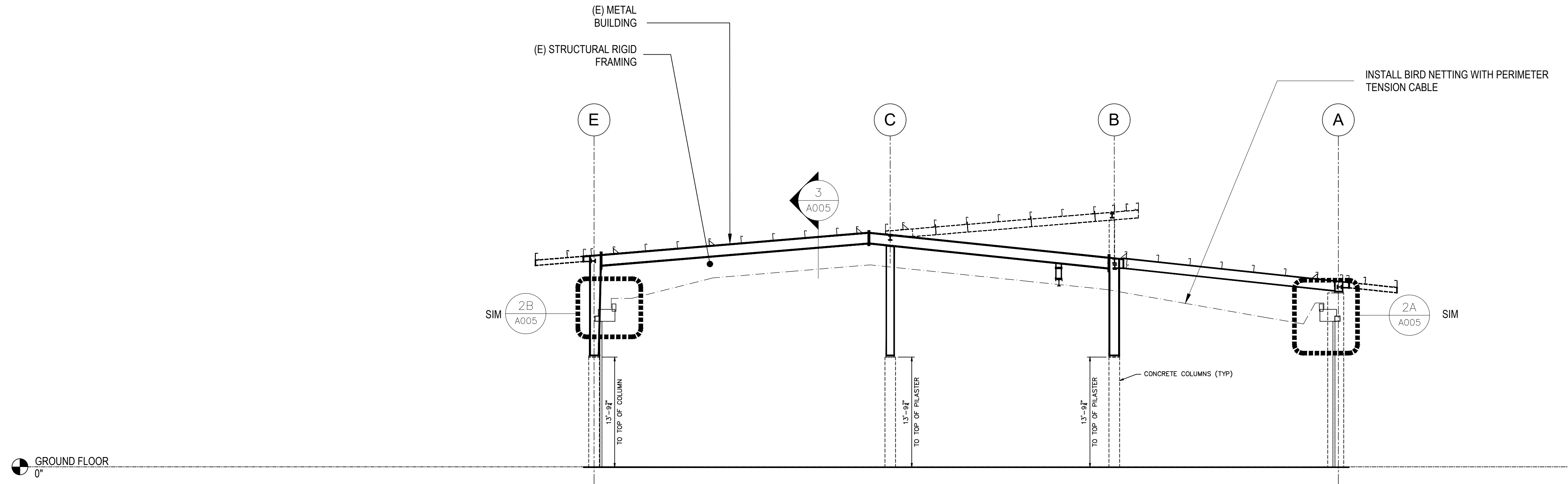
DATE :	DWG. NO.
04/07/2025	A002
SHEET :	
05 OF 09 SHEETS	



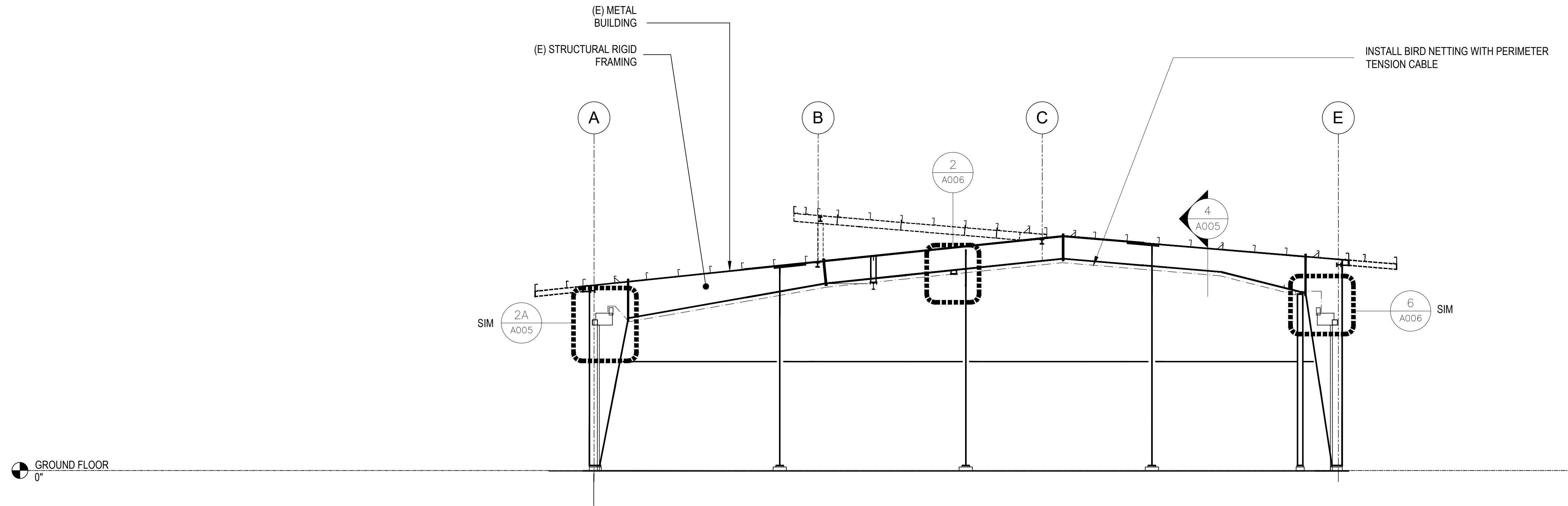
- 1 EXISTING BUILDING CROSS SECTION (APPARATUS BAY)
SCALE: 1/8" = 1'-0"



A003



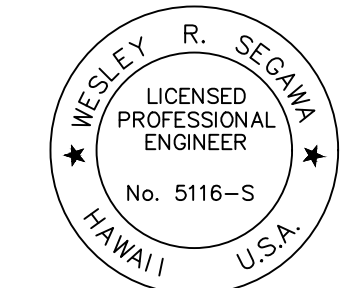
1 EXISTING BUILDING CROSS SECTION (APPARATUS BAY)
GRIDLINE 8 (EXISTING FIRE RATED WALL)
SCALE: 1/8" = 1'-0"



2 EXISTING BUILDING CROSS SECTION (APPARATUS BAY)
GRIDLINE 13
SCALE: 1/8" = 1'-0"



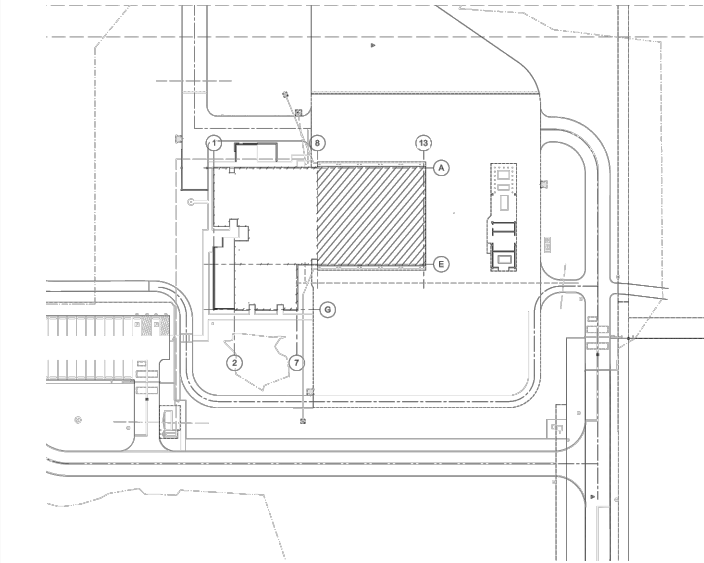
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KAILUA-KONA, HAWAII

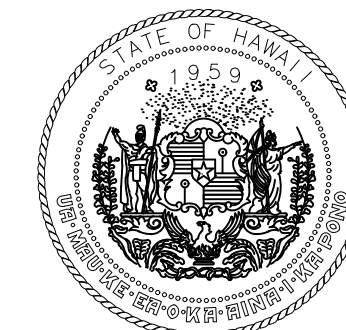
PROJECT NO.:

CH2543-33

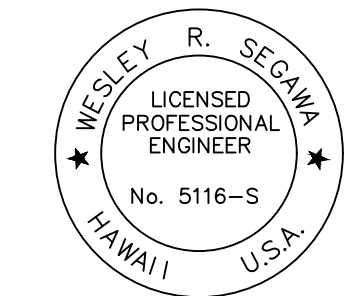
SHEET TITLE:

BUILDING
SECTIONS

DATE :	DWG. NO. A004
04/07/2025	
SHEET :	
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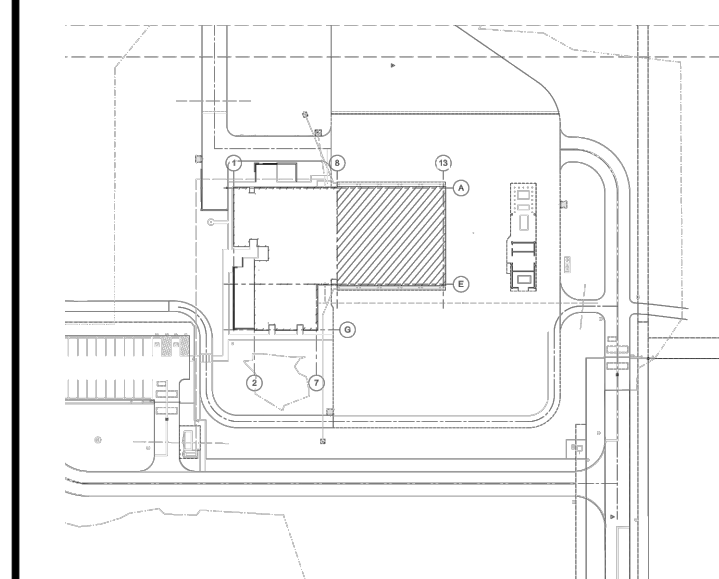
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PROJECT NO.:

CH2543-33

SHEET TITLE:

DETAILS

DATE :

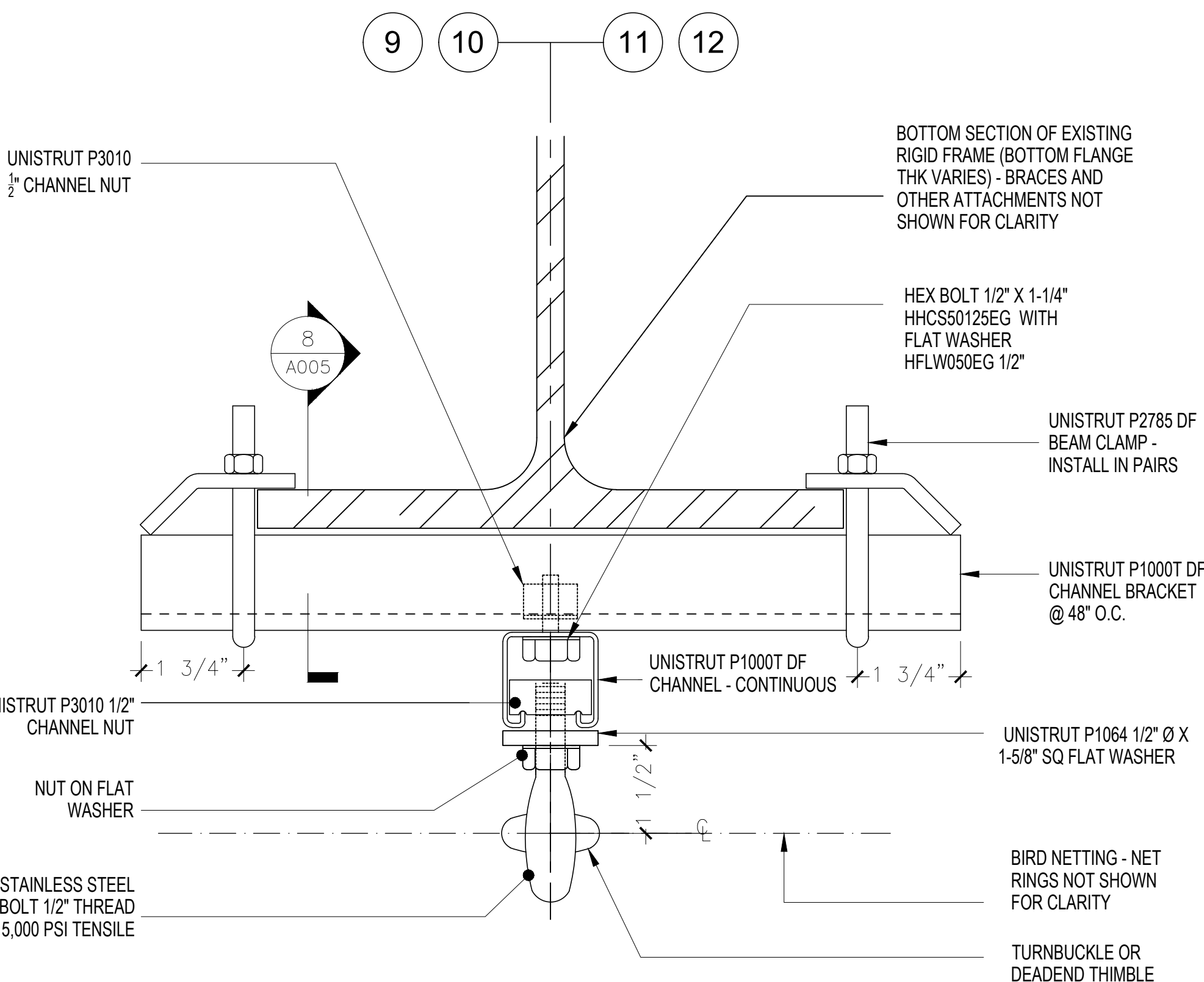
04/07/2025

SHEET :

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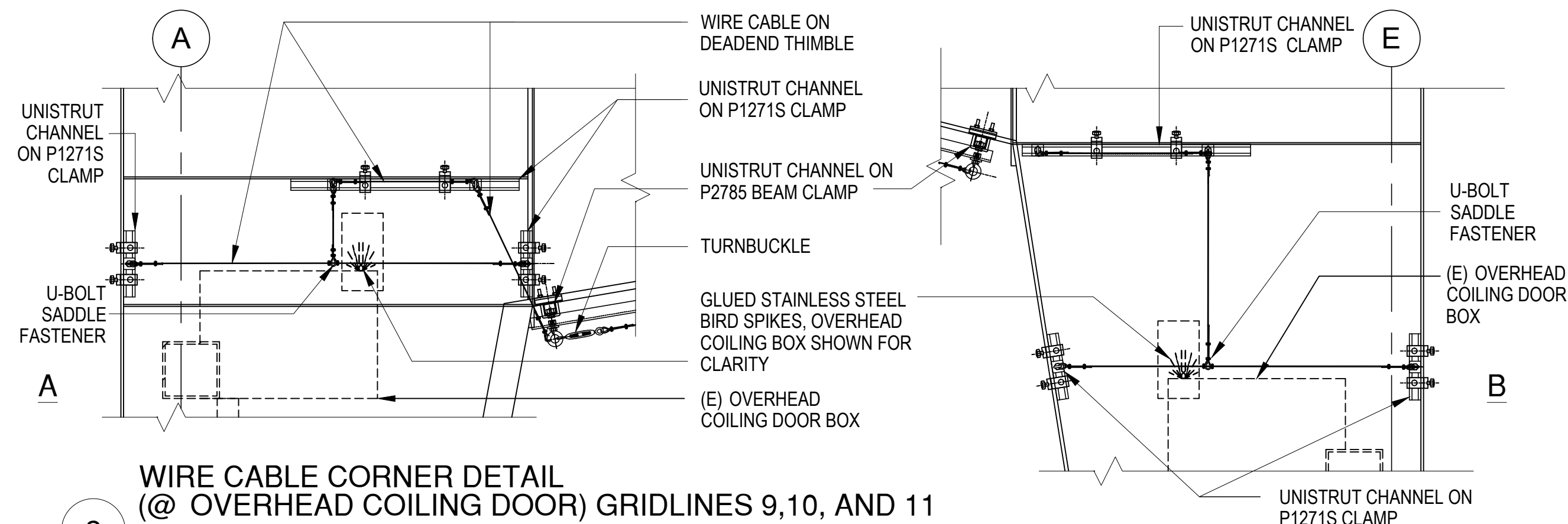
DWG. NO.

A005



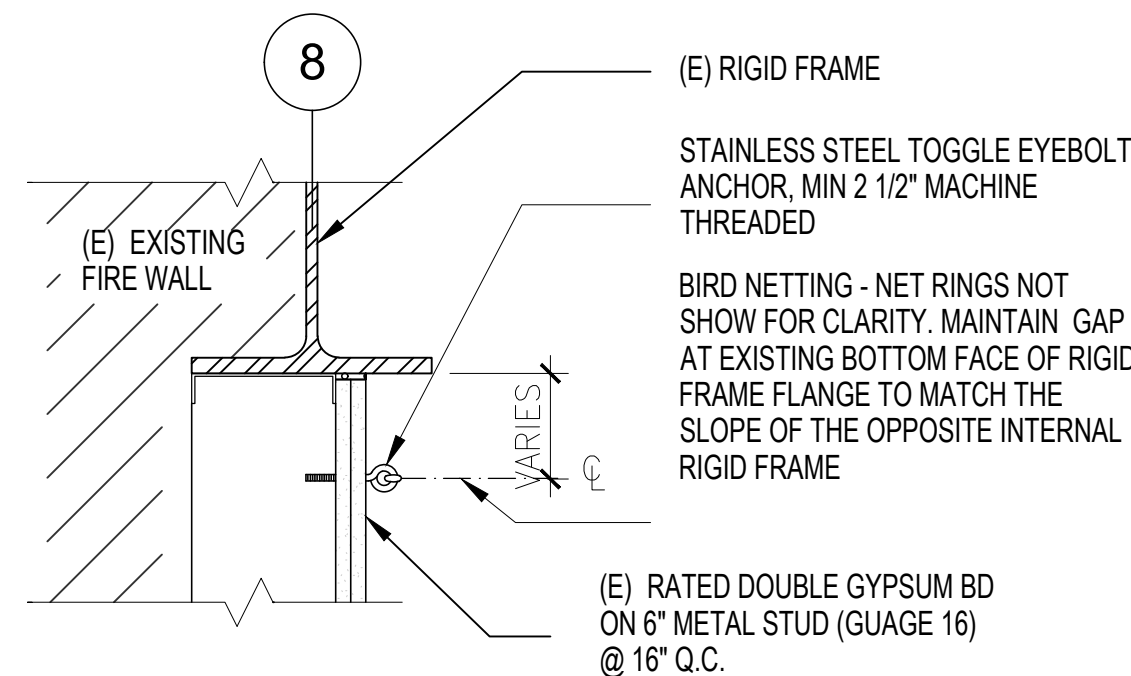
TURNBUCKLE CONNECTION DETAIL @ EYEBOLT
(INTERNAL RIGID FRAME)

SCALE: 6" = 1'-0"



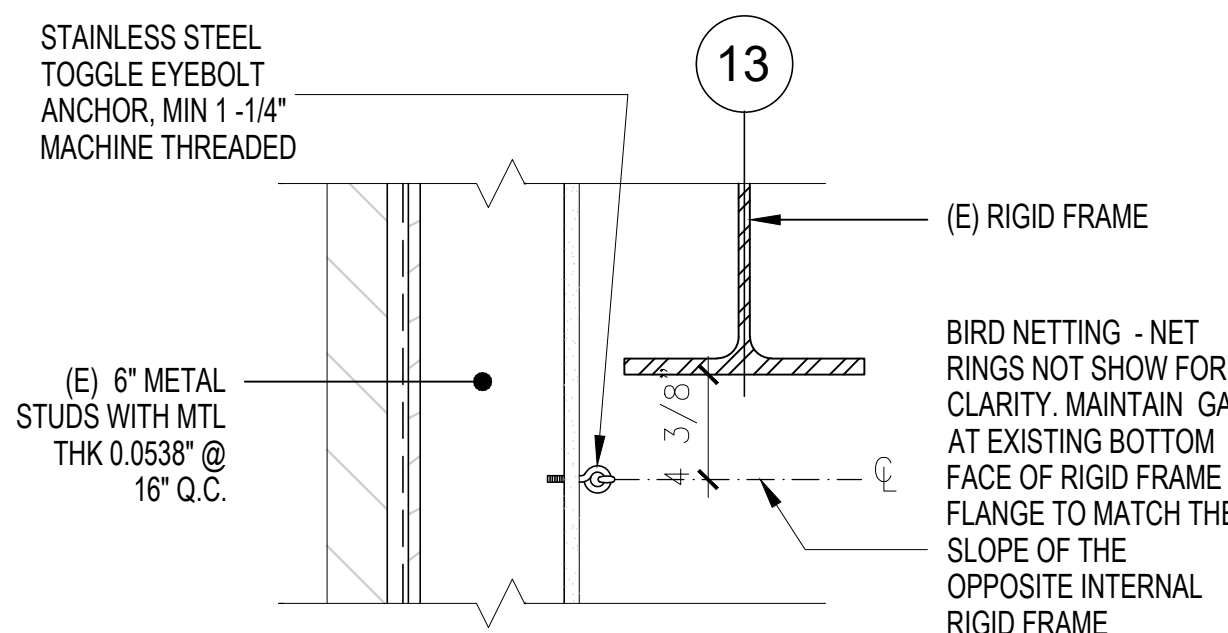
WIRE CABLE CORNER DETAIL
(@ OVERHEAD COILING DOOR) GRIDLINES 9, 10, AND 11

SCALE: 3/4" = 1'-0"



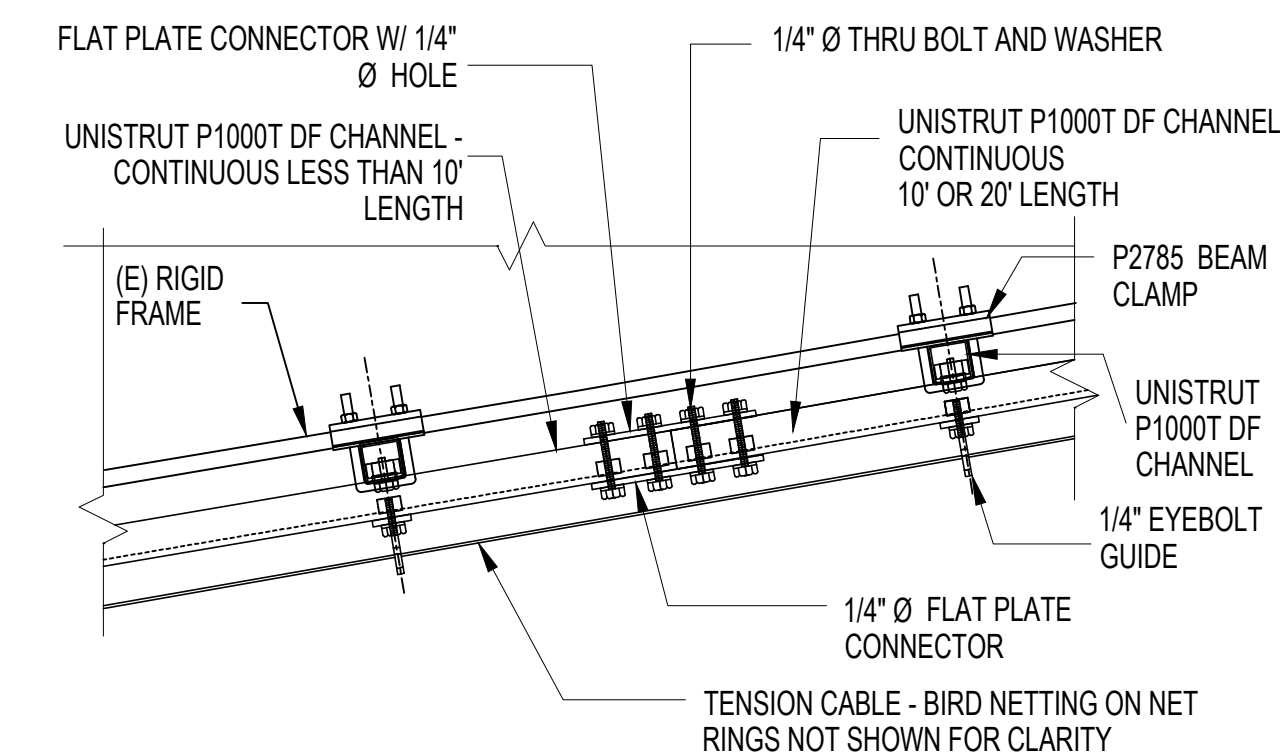
EYEBOLT CONNECTION DETAIL
(EXISTING 2-HR RATED WALL)

SCALE: 1 1/2" = 1'-0"



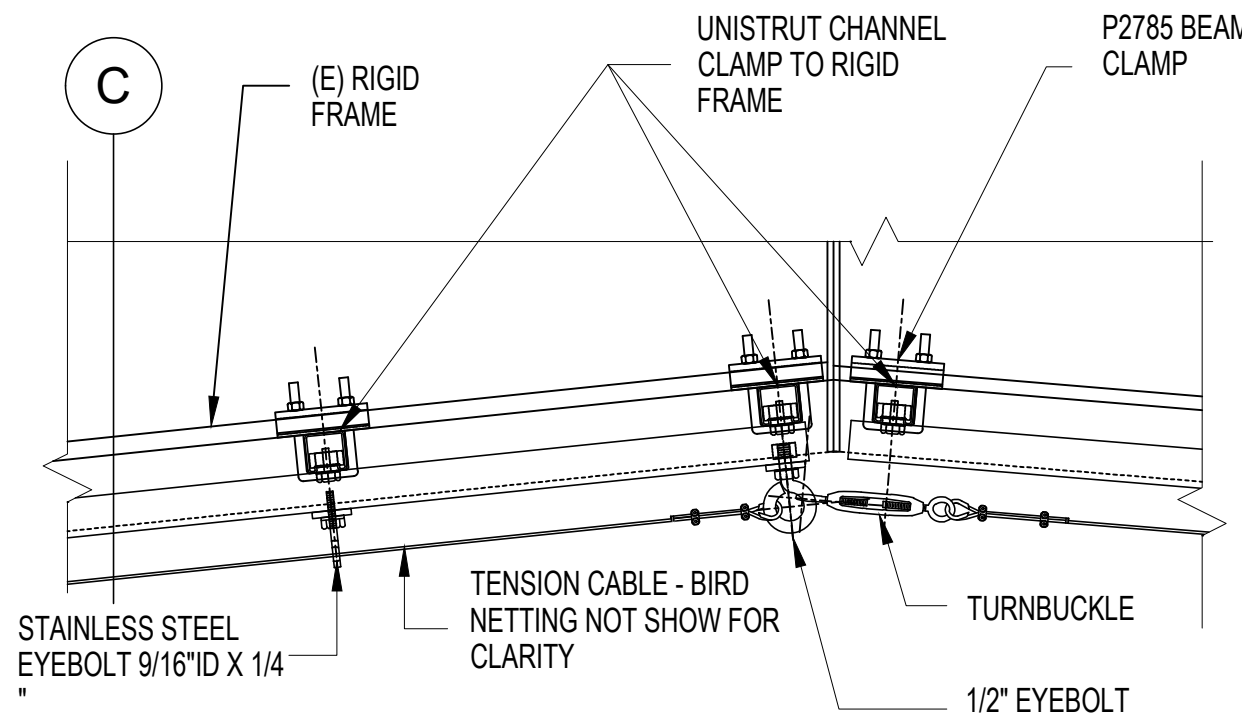
EYEBOLT CONNECTION DETAIL
(EXISTING WALL)

SCALE: 1 1/2" = 1'-0"



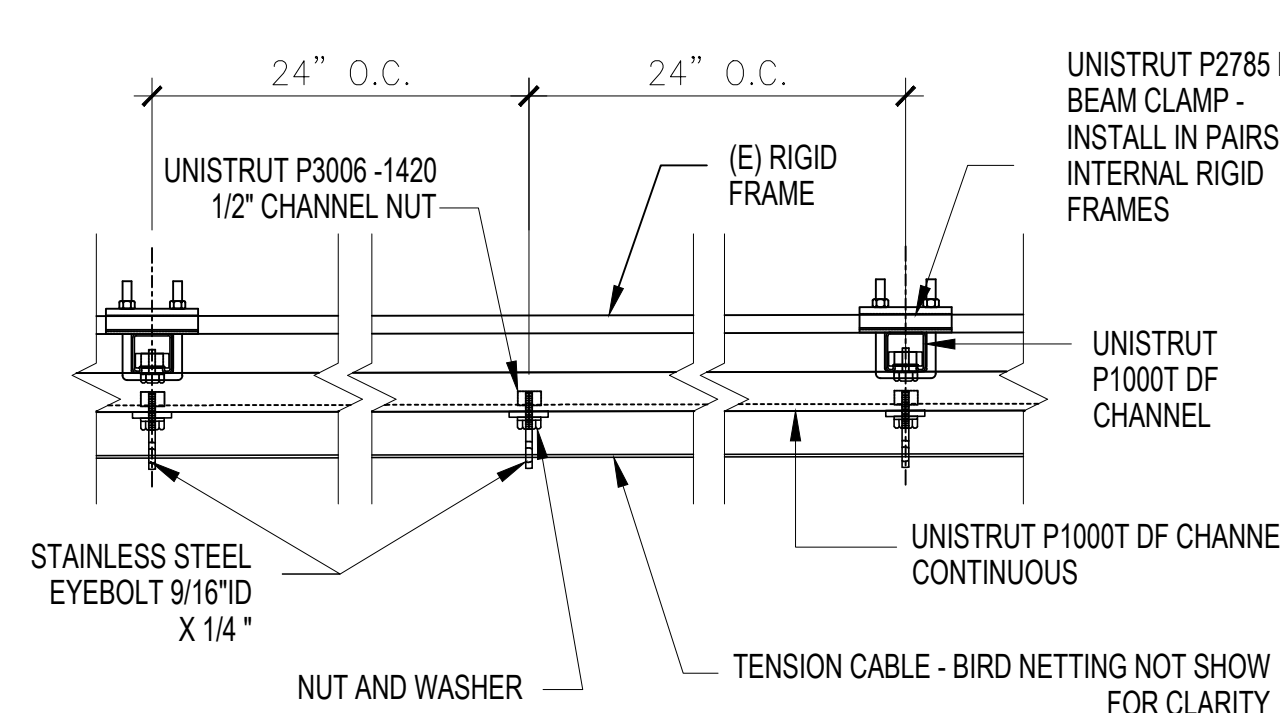
CHANNEL
CONNECTOR DETAIL (TYP)

SCALE: 1 1/2" = 1'-0"



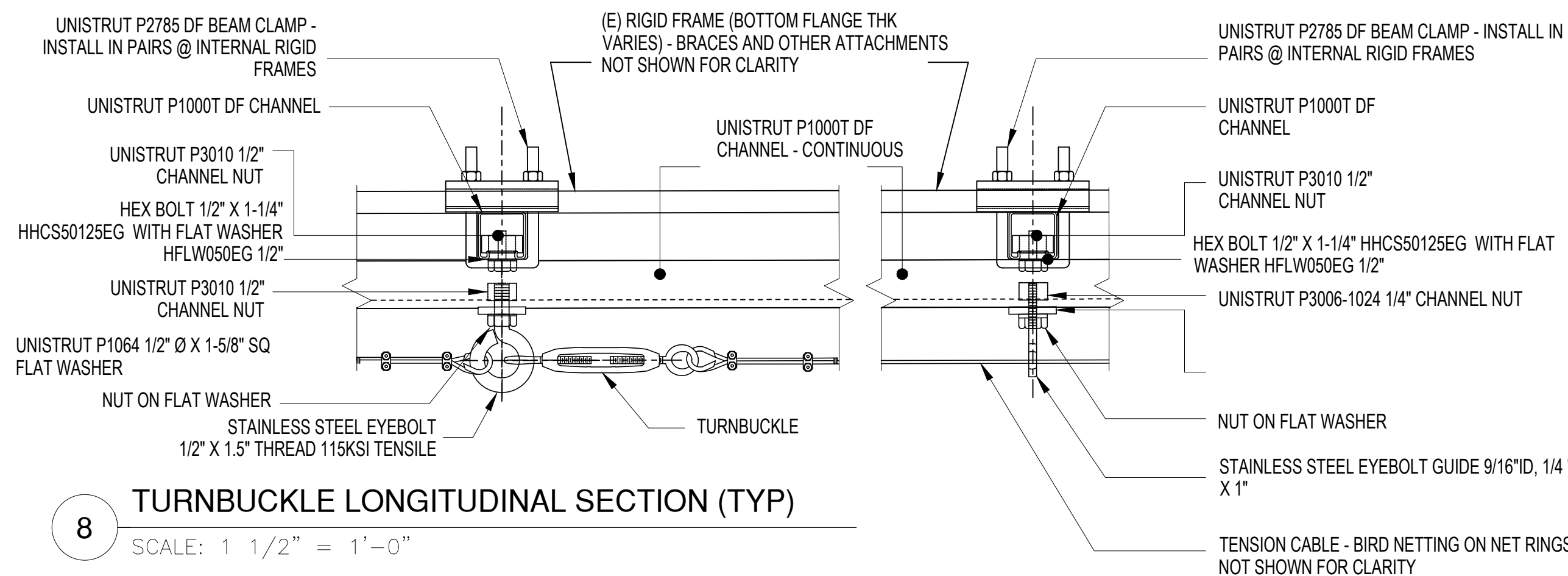
TURNBUCKLE
TRANSITION DETAIL (TYP)

SCALE: 1 1/2" = 1'-0"



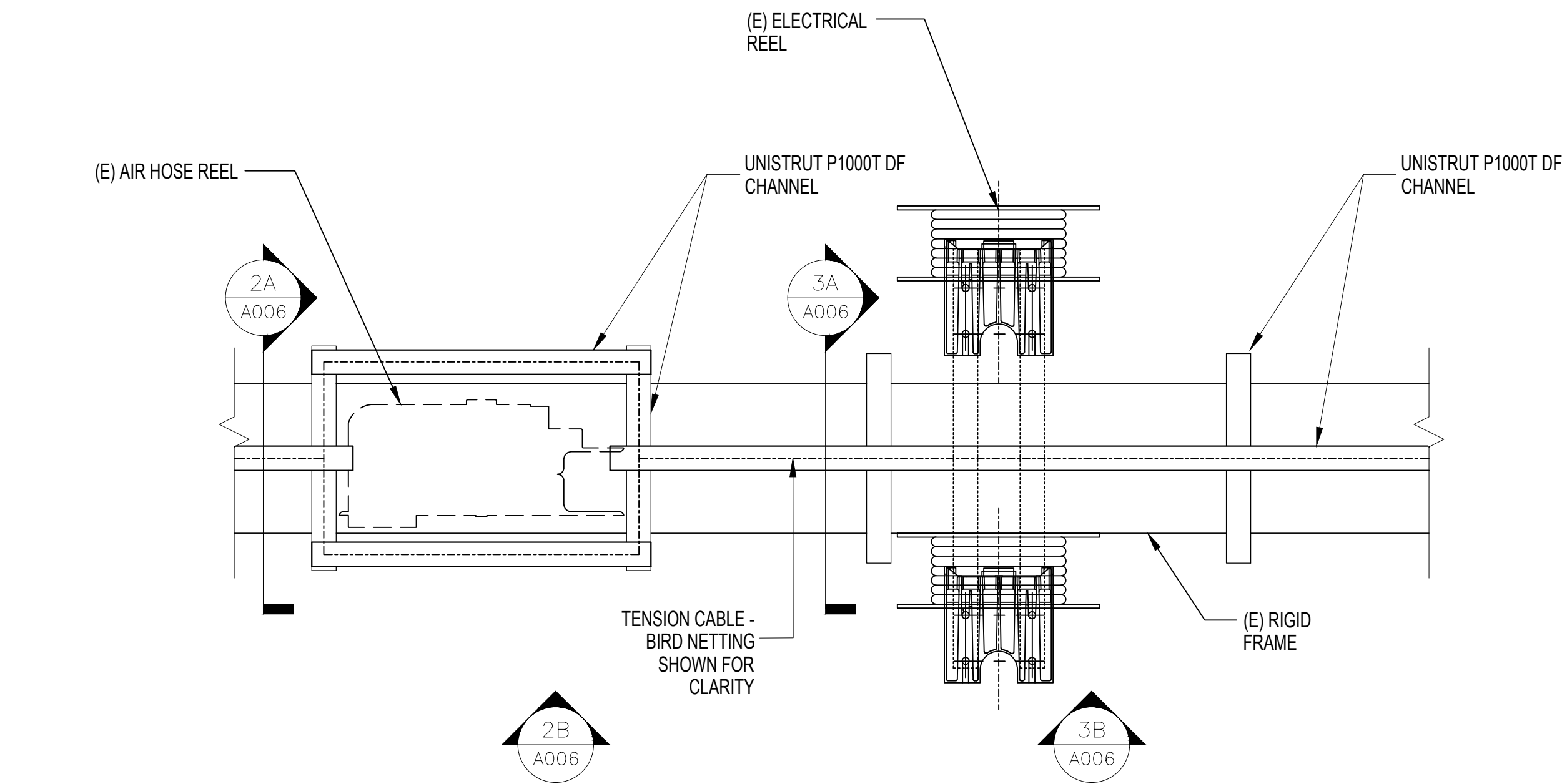
EYEBOLT GUIDE DETAIL (TYP)

SCALE: 1 1/2" = 1'-0"



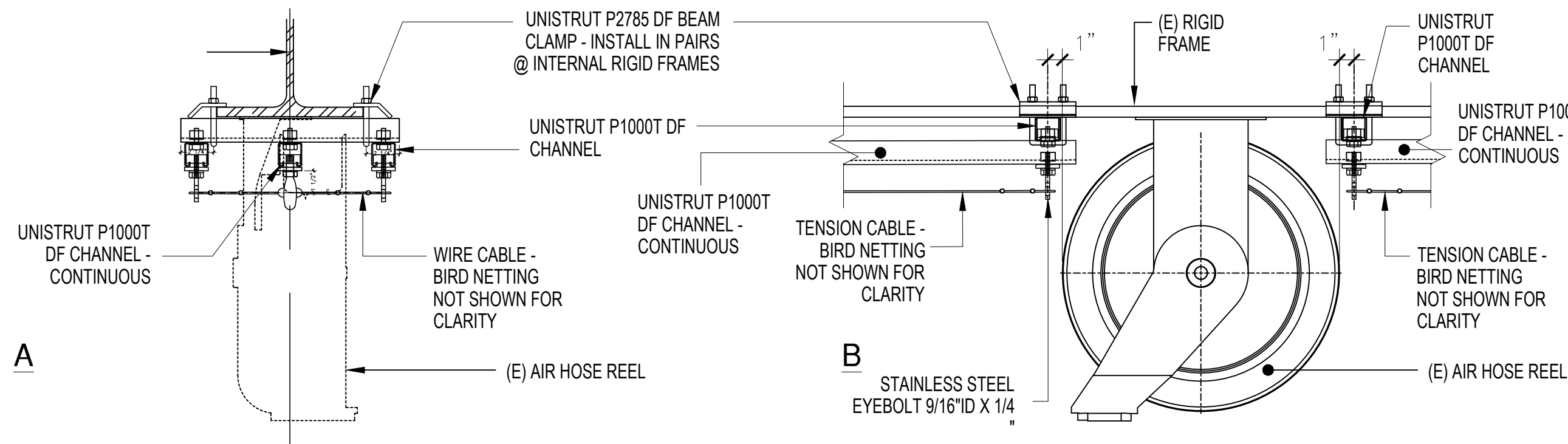
TURNBUCKLE LONGITUDINAL SECTION (TYP)

SCALE: 1 1/2" = 1'-0"



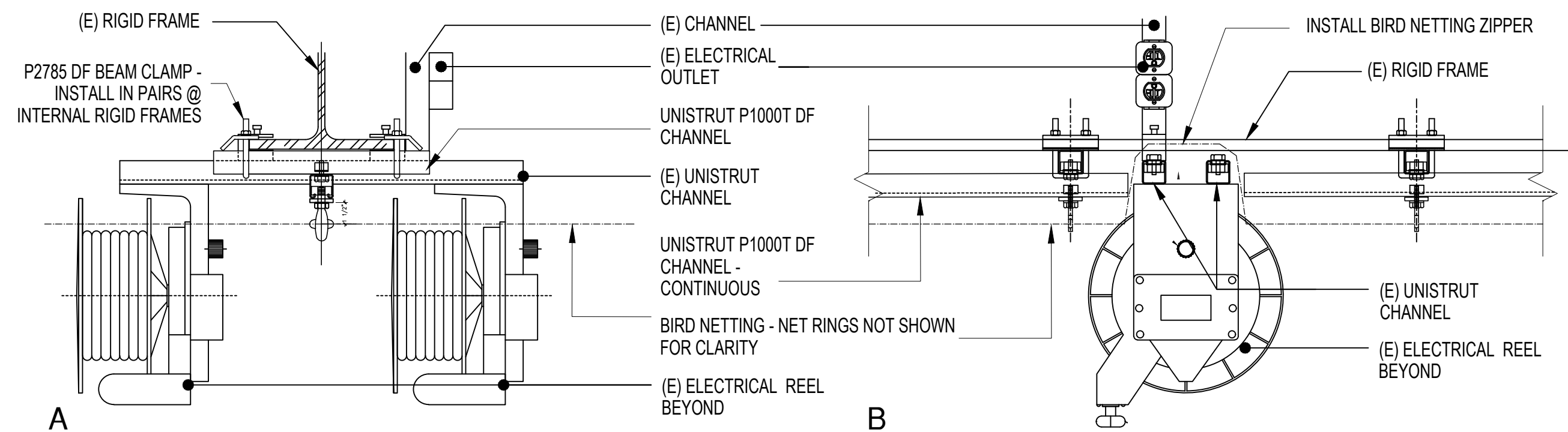
1 AIR HOSE REEL / ELECTRICAL REEL
REFLECTED CEILING PLAN (TYP) @ GRIDLINES 9, 10, 11, 12

SCALE: 1 1/2" = 1'-0"



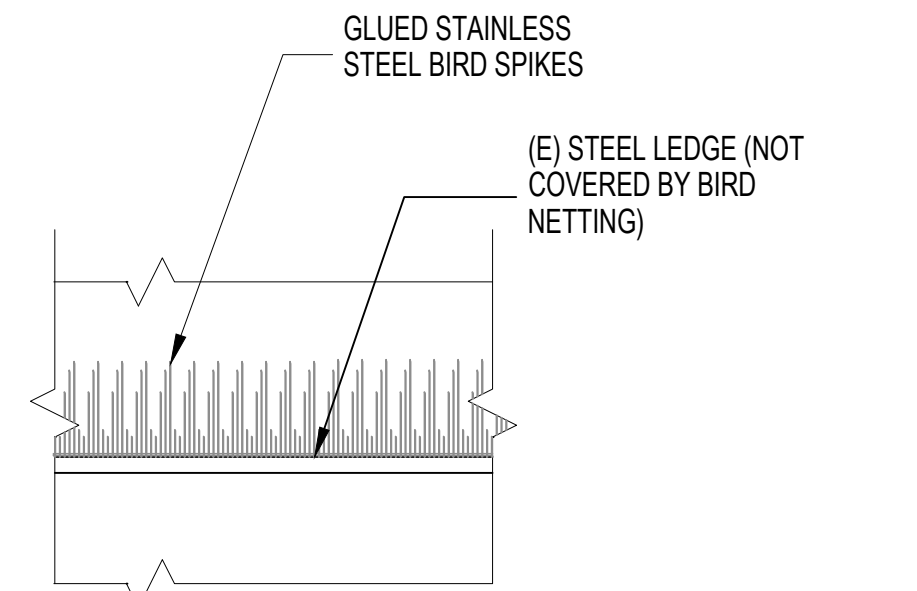
2 AIR HOSE REEL DETAIL (TYP) @ GRIDLINES 9, 10, 11, 12

SCALE: 1 1/2" = 1'-0"



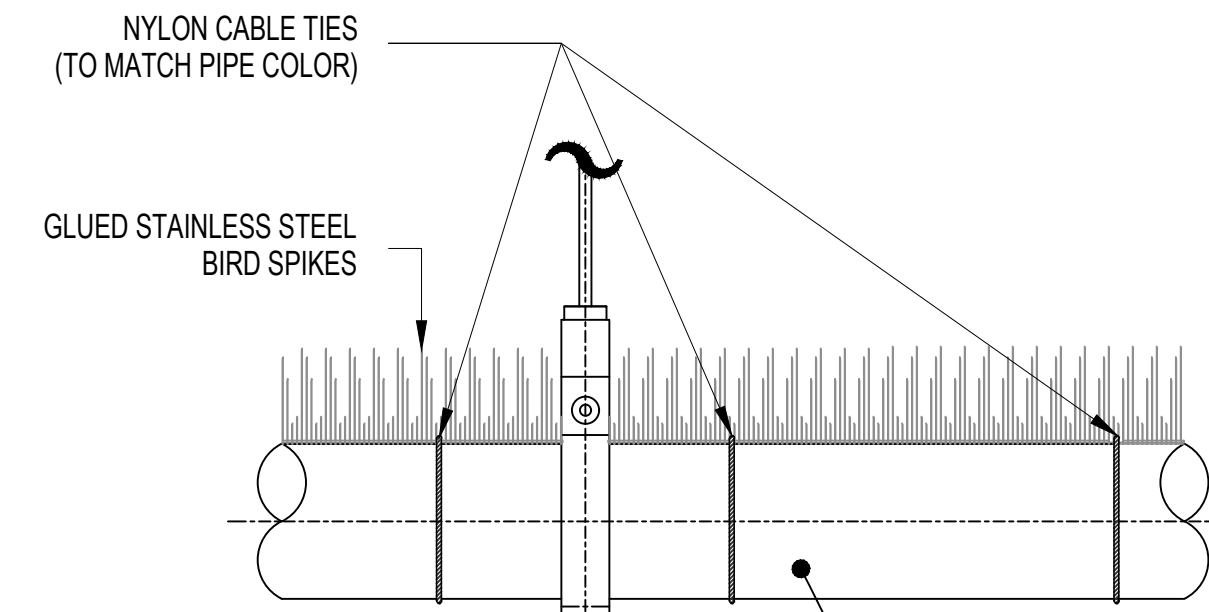
3 ELECTRIC REEL DETAIL (TYP) @ GRIDLINES 9, 10, 11, 12

SCALE: 1 1/2" = 1'-0"



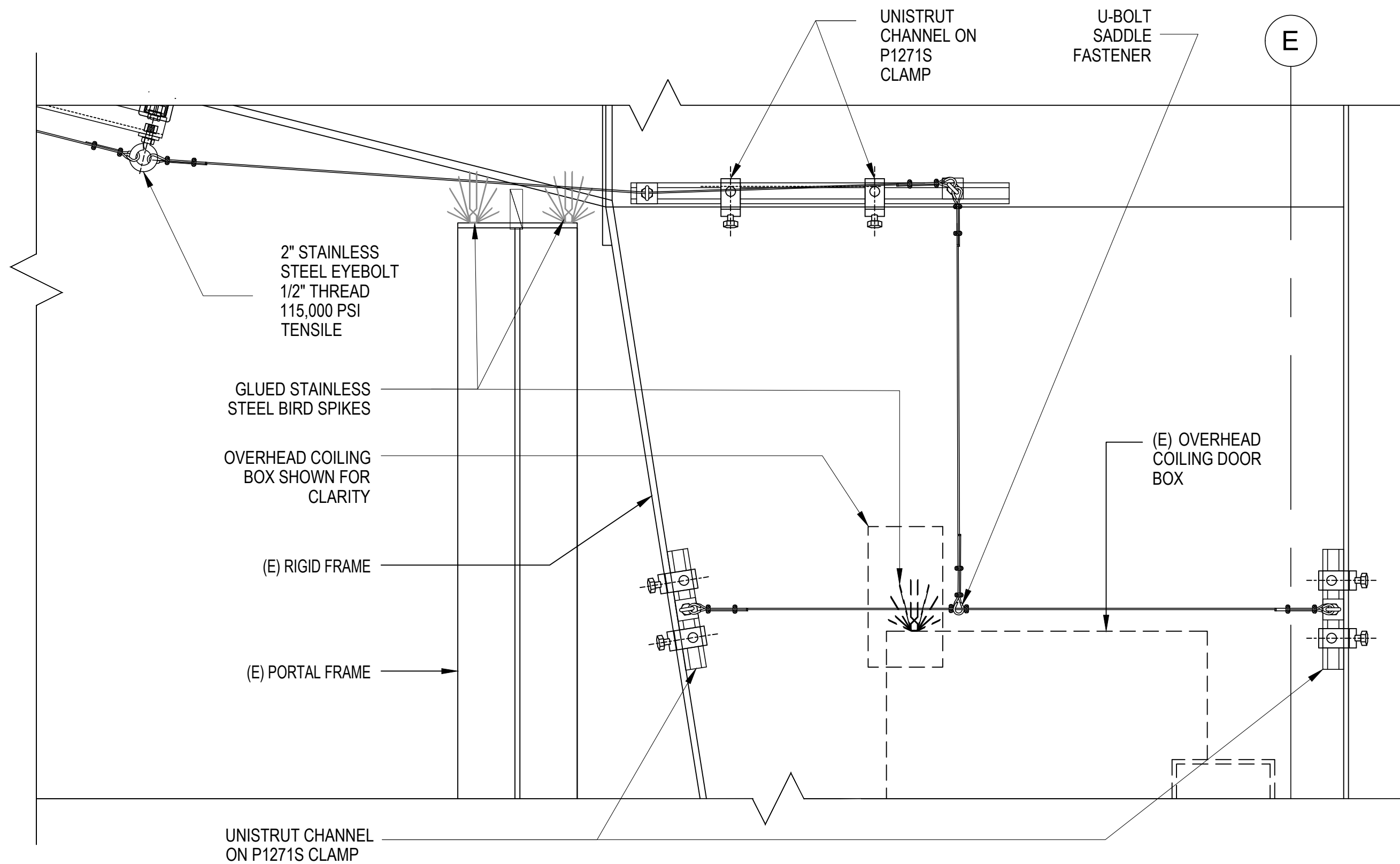
4 BIRD SPIKE AT EXPOSED MTL
BLDG. STEEL LEDGES (TYP)

SCALE: 1 1/2" = 1'-0"



5 BIRD SPIKE DETAIL (TYP) PIPES

SCALE: 1 1/2" = 1'-0"

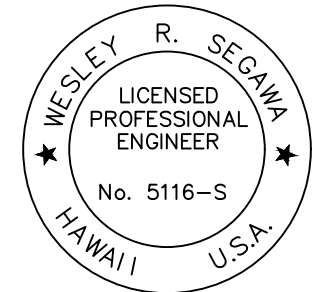


6 WIRE CABLE CORNER DETAIL (@OVERHEAD COILING DOOR) GRIDLINES 12 AND 13

SCALE: 1 1/2" = 1'-0"



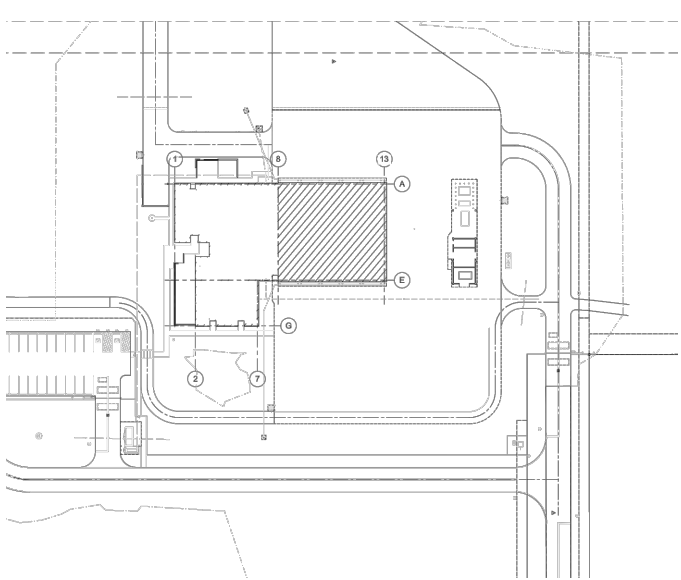
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KAILUA-KONA, HAWAII

PROJECT NO.:

CH2543-33

SHEET TITLE:

DETAILS

DATE :	DWG. NO.
04/07/2025	A006
SHEET :	
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