



GENERAL NOTES

THESE NOTES COMPLEMENT THE DRAWINGS AND SPECIFICATIONS. ALL WORK IN THIS PROJECT MUST BE CONSTRUCTED COMPLETE AND USABLE.

1. CONSTRUCTION DOCUMENTS REASONABLY DESCRIBE THE INTENT OF THE QUALITY AND SCOPE OF THE CONSTRUCTION FOR THE PROJECT. WHERE DETAILS ARE NOT SHOWN, THE CONTRACTOR SHALL PROCEED FOLLOWING THE ACCEPTED QUALITY STANDARDS AND PROCEDURES OF THE CONSTRUCTION INDUSTRY IN THE STATE OF HAWAII AS WELL AS THE GENERAL INTENT OF THE CONSTRUCTION DOCUMENTS. CLARIFICATIONS MUST BE SUBMITTED TO THE CONTRACTING OFFICER FOR REVIEW BEFORE PROCEEDING.

2. THE CONTRACTOR SHALL VISIT THE SITE, COMPARE THE DRAWINGS AND SPECIFICATIONS AND VERIFY ALL CONDITIONS IN ORDER TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE INTENT OF THE DRAWINGS.

3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO BEGINNING ANY WORK AND SHALL NOTIFY THE CONTRACTING OFFICER OF ANY DISCREPANCY AND/OR CONDITION WHICH WILL PREVENT HIM/HER FROM FULFILLING THE TERMS OF THE CONTRACT. WHERE EXISTING CONDITIONS REQUIRE DETAILS AND/OR SPECIFICATIONS TO VARY FROM THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONTRACTING OFFICER AND PROPOSE ALTERNATE METHODS AND MATERIALS FOR CONSIDERATION & APPROPRIATE APPROVALS.

4. SECURITY ALARMS: CONTRACTOR SHALL HIRE THE CLIENT'S ALARM VENDOR TO SHUT OFF, TEMPORARILY REMOVE AND REINSTALL ALARMS WHEN REQUIRED.

5. BEFORE ANY SERVICE IS DISCONNECTED OR INTERRUPTED, THE CONTRACTOR SHALL VERIFY USAGE AND ASSURE THAT REQUIRED SERVICES ARE NOT DISCONNECTED OR INTERRUPTED. ANY REQUIRED SERVICE DISCONNECTED OR INTERRUPTED SHALL BE RESTORED IMMEDIATELY BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.

6. ABANDON CONCEALED RACEWAYS NO LONGER REQUIRED. REMOVE ALL CONDUCTORS IN RACEWAYS TO BE ABANDONED.

7. NO CONSTRUCTION VEHICLE MOVEMENT SHALL OCCUR DURING RECESS PERIODS. THE CONTRACTOR SHALL VERIFY ALL RECESS PERIODS WITH THE CLIENT PRIOR TO THE START OF CONSTRUCTION.

8. CONTRACTOR SHALL SUBMIT IN WRITING ANY REQUEST FOR MODIFICATION TO THE PLANS AND SPECIFICATIONS, UNLESS CHANGES ARE SUBMITTED IN WRITING AND APPROVED BY THE STATE. CHANGES OR MODIFICATIONS TO THE PLANS AND SPECIFICATIONS BECOME THE RESPONSIBILITY OF THE PERSON INITIATING SUCH CHANGES.

9. QUANTITIES AND SIZES SHOWN AND/OR SPECIFIED IN THE DRAWINGS AND SPECIFICATIONS SHALL BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR ALL QUANTITIES AND SIZES.

10. GENERAL CONTRACTOR SHALL REVIEW ALL SUBMITTALS AND COORDINATE THE WORK OF THE VARIOUS TRADES TO FIT ACTUAL CONDITIONS AND MAKE INTERFACING ADJUSTMENTS AS REQUIRED.

11. SOME NOTES ON THE ARCHITECTURAL SHEETS MAY REQUIRE CIVIL, LANDSCAPING STRUCTURAL, MECHANICAL AND/OR ELECTRICAL WORKS. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE FOR COMPLETE WORK.

12. DIMENSIONS: DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE. DIMENSIONS SHALL BE VERIFIED IN THE FIELD BEFORE PROCEEDING WITH THE WORK.

ALL + (PLUS OR MINUS) DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO RENOVATION/FABRICATION.

(E) MEANS "EXISTING". CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS AND CONFIRM SIZES PRIOR TO RENOVATION/FABRICATION.

OTHER DIMENSIONS AND SIZES PROVIDED IN THE DRAWINGS ARE TO INDICATE GENERAL SCOPE OF WORK. CONTRACTOR SHALL VERIFY DIMENSIONS AND SIZES FOR PROPER FIT, CONSTRUCTION, INSTALLATION AND OPERATION.

13. ALL EXISTING ITEMS AND/OR FINISHES SCHEDULED TO REMAIN BUT DAMAGED DURING CONSTRUCTION AND OVER PAINTED EXISTING MATERIALS SHALL BE CORRECTED TO MATCH THE EXISTING MATERIAL AND FINISHES AT NO COST TO THE STATE AND TO THE STATE'S SATISFACTION.

14. WHERE WARRANTIES ARE SPECIFIED, CONTRACTOR'S BID SHALL INCLUDE FULL COMPLIANCE OF ALL CONDITIONS REQUIRED BY THE WARRANTIES. WHERE THE MANUFACTURER'S WARRANTY REQUIREMENTS AND/OR RECOMMENDATION VARY FROM THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR IS EXPECTED TO COMPLY WITH THE STRICTER OF THE TWO PROVIDING REQUIREMENTS DO NOT VOID WARRANTY. CONTRACTOR SHALL INFORM THE CONTRACTING OFFICER IN WRITING WHERE PROPOSED CONSTRUCTION WILL DEVIATE FROM THE CONSTRUCTION DOCUMENTS.

15. THE CONTRACTOR SHALL PROTECT ALL ITEMS IN AND ABOVE GROUND WITHIN THE PROJECT SITE AND ADJACENT PROPERTIES FROM DAMAGES. DAMAGES TO BUILDINGS, SIDEWALKS, UTILITY LINES (PLUMBING, ELECTRICAL, TELEPHONE, DATA, ETC.), LANDSCAPING, LAWN, HOSE BIBS, ETC., BY THE CONTRACTOR, THE CONTRACTOR'S EMPLOYEES, SUBCONTRACTORS, AND EQUIPMENT SHALL BE REPLACED AND/OR REPAIRED AT NO ADDITIONAL COST TO THE STATE. THE CONTRACTOR IS ALSO RESPONSIBLE TO RESTORE THE GROUNDS (GRASSING AND LANDSCAPE IRRIGATION) AND CONCRETE WALKWAYS USED FOR PARKING AND STAGING.

16. CONTRACTOR SHALL PATCH ALL SURFACES EXPOSED FROM CUTTING AND/OR REMOVAL WORK. PATCH SHALL MATCH THE MATERIAL AND FINISH OF ADJACENT SURFACE.

17. ALL WASTE MATERIALS SHALL BE PROMPTLY REMOVED AND PROPERLY DISPOSED OF OUTSIDE THE LIMITS OF THE CLIENT'S PROPERTY DAILY. AT THE END OF CONSTRUCTION, ALL ITEMS AND EQUIPMENT TEMPORARILY REMOVED OR RELOCATED DURING THE CONSTRUCTION PROCESS SHALL BE REINSTALLED IN THE SAME LOCATION PRIOR TO THE REMOVAL, OR IN A DIFFERENT LOCATION AS NOTED IN THE DRAWINGS, OR IN A LOCATION APPROVED BY THE STATE.

18. ALL WORK SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE LATEST EDITION AS ADOPTED BY THE STATE OF HAWAII, AND THE AMENDMENTS OF HONOLULU THEREOF.

19. THE CONTRACTOR SHALL CLEAN AND PREPARE ALL NEW AND EXISTING SURFACES AS REQUIRED TO RECEIVE NEW WORK OR AS OTHERWISE REQUIRED FOR A NEAT AND FINISH APPEARANCE.

20. CONDUITS: PAINT ALL VISIBLE CONDUITS AND SUPPORTING BRACKETS WHETHER PAINTED OR NOT, THE COLOR OF BACKGROUND.

FILL ALL UNCAPPED CONDUIT ENDS WITH 3" DEEP OF EXPANDING FOAM.

21. EXTERIOR JB'S AND UNISTRUTS: TREAT ALL JB'S AND UNISTRUTS SUPPORTING THE EXTERIOR CONDUITS WITH RUST INHIBITOR PRIOR TO PAINTING. APPLY A COLD GALVANIZED PRIMER PAINT TO MATCH BUILDING WALL.

22. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFETY BARRICADE AROUND THE PROJECT SITE AND SHALL ASSURE THE SAFETY OF THE PUBLIC AT ALL TIMES.

23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL BLOCKING, BACKING, BRACKETS, ETC. AS REQUIRED FOR THE PROPER AND SECURED INSTALLATION OF ALL MATERIALS AND PRODUCTS.

24. THE CONTRACTOR SHALL REVIEW THE PROJECT FOR ANY LONG LEAD ITEMS AND PROVIDE SPECIAL CONSIDERATIONS TO AVOID UNNECESSARY DELAYS TO THE COMPLETION OF THE PROJECT.

25. PRODUCTS SPECIFIED AND/OR INDICATED BY NAME IN THESE DRAWINGS AND/OR SPECIFICATIONS ESTABLISH A DESIGN OR MATERIAL QUALITY DESIRED FOR THIS PROJECT. THE PRODUCTS OF OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THAT THEY MEET OR EXCEED THE MATERIAL AND CONSTRUCTION REQUIREMENTS SPECIFIED.

26. "DEMOLISH" MEANS TO REMOVE AND PROPERLY DISPOSE OF THE IDENTIFIED ITEM AND ALL RELATED COMPONENTS.

27. THIS PROJECT SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT ACCESSIBILITY (ADAA) GUIDELINES.

28. CONTRACTOR SHALL COORDINATE WITH THE CLIENT REGARDING ALL MOVING FURNITURE RELATED SCHEDULE/ISSUE PRIOR TO START OF ANY CONSTRUCTION ACTIVITY. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING & ITEMIZING FURNITURE LIST THAT DEMANDS RELOCATING THROUGH COORDINATION WITH THE CLIENT.

29. WHEN THE PROJECT SPACE IS READY TO BE OCCUPIED, THE CONTRACTOR SHALL COORDINATE WITH THE CLIENT REGARDING RELOCATING/INSTALLING ALL (E) FURNITURE BACK TO THE PROJECT SPACE.

GENERAL CONTRACT REQUIREMENTS

30. CONTRACTOR SHALL PROVIDE A LIST TO THE PROJECT MANAGER (PM) IDENTIFYING THE NAMES OF ALL EMPLOYEES NEEDING ACCESS TO THE SITE(S). SUBCONTRACTORS WILL NEED TO DO THE SAME. THE LIST SHALL BE PROVIDED TO THE PM NO LATER THAN ONE (1) WEEK PRIOR TO THE START OF WORK. EMPLOYEES WHO ARE NOT ON THE LIST WILL NOT BE GRANTED ACCESS TO THE SITE(S). WHEN NECESSARY, THE CONTRACTOR SHALL CONTACT THE PM WITH LAST MINUTE REPLACEMENTS OR ADDITIONS. THE CONTRACTOR IS ALSO REQUIRED TO POSSESS A VALID IDENTIFICATION (E.G. STATE ID, DRIVER'S LICENSE, MILITARY ID, ETC.) FOR ALL DELIVERIES. PLEASE CONTACT THE PM AS SOON AS DELIVERIES ARE SCHEDULED.

31. WORK HOURS 0600-1800. AFTER HOURS WORK WITH 48-HOURS ADVANCE NOTICE.

32. CONTRACTOR'S CERTIFICATE OF INSURANCE IS REQUIRED PRIOR TO START OF WORK AS PER THE ADDITIONAL GENERAL CONDITIONS FOR CONSTRUCTION CONTRACTS.

33. SAFETY AND SECURITY BRIEFINGS: THE CONTRACTOR SHALL ENSURE THEIR EMPLOYEES ARE FAMILIAR WITH THE COMPANY'S SAFETY MEASURES PRIOR TO THE START OF WORK.

34. MODULAR PRE-FABRICATED IN-PLANT OFFICE INSTALLATION SHALL BE SUPERVISED BY FACTORY-TRAINED INSTALLERS.

35. SEE STRUCTURAL MODULAR BUILDING REQUIREMENTS ON SHEET S001.

ARCHITECTURAL ABBREVIATIONS

Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Includes items like ADJ (Adjustable), AFF (Above Finish Floor), ACUST (Acoustical), ALUM (Aluminum), AT (Acoustical Tile), etc.

INDEX TO DRAWINGS

Table with 2 columns: DWG NO, DESCRIPTION. Lists title sheets T001, T002, T003.

Table with 2 columns: DWG NO, DESCRIPTION. Lists civil drawings C100, C200, C201.

Table with 2 columns: DWG NO, DESCRIPTION. Lists architectural drawings A101 through A601.

Table with 2 columns: DWG NO, DESCRIPTION. Lists structural drawings S001 through S202.

Table with 2 columns: DWG NO, DESCRIPTION. Lists mechanical drawings M001 through M500.

Table with 2 columns: DWG NO, DESCRIPTION. Lists electrical drawings E001 through E303.

PROJECT INFORMATION

Table with 2 columns: Field Name, Value. Includes Owner (State of Hawaii), Address (3949 Diamond Head Road), T.M.K. (3-1-042-006), Zone Designation (P-1), Flood Zone (X), Height Limits, SMA (IN SMA), Street Setback (None), Special Districts (Diamond Head Special District), State Land Use (Conservation District).

DRAWING SYMBOLS LEGEND

Legend for drawing symbols including Drawing Title (X), North Arrow, Interior Elevation Designation (diamond with letters), Grid Line (1), Office (101), Detail Reference (01, 02, 03, 04), Section Reference (01), Revision Number (01), Material (PT), Finish Selection Code Number (D 2), Door Number (2), Window Number (1), Keynote Symbol (1), Sign Location (dot), Sign Symbol (NXA XXX).



Signature block for Mark M. Nakko, dated 04/30/2018, with project name BUSINESS RECOVERY CENTER BUILDING 303.

Table for SUBMITTAL PHASE, SUBMITTAL DATE, and columns for DES, AA, DRW, RY, CHK, HD.

100% BID SET, 5/12/17

Vertical project information: DEPARTMENT OF DEFENSE, HI EMERGENCY MANAGEMENT AGENCY (HI-EMA), CONTRACTING & ENGINEERING OFFICE, HONOLULU, HAWAII, PROJECT STATION RENOVATION BUSINESS RECOVERY CENTER BUILDING 303, GEN NOTES, ABBR, SYMB.

SCALE: AS NOTED, STATE JOB NO. CA-1701-C, FEDERAL PROJECT NO., SHEET 015 OF T002











1

2

3

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16

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STORAGE CABINETS

30  
STORAGE

29  
TELECOM

FOLDING  
WALL  
POCKET

28  
PRIVATE WORK AREA

27  
OPEN WORK AREA

1

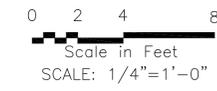
2

4

3

# 1 REFLECTED CEILING PLAN

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



## KEYNOTES

- 1 NEW MODULAR OFFICE ACT CEILING SYSTEM. CEILING HEIGHT AS SCHEDULED.
- 2 NEW 24" X 24" LED TROFFER. ALL NEW LIGHT FIXTURES SHALL COMPLY WITH THE ILLUMINATION REQUIREMENTS AS NOTED IN SECTION 1006 OF THE 2006 IBC.
- 3 HEADER FOR BI-FOLD DOOR - SEE DETAIL 3/A503
- 4 NEW FAN COIL UNIT. SEE MECHANICAL DRAWINGS.
- 5 SEE FINISH SCHEDULE, A601 FOR CEILING HEIGHTS.



Signature: *[Handwritten Signature]*  
Expiration Date of the License: 04/30/2018

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SYMBOL	DESCRIPTION	DATE	APPROVED

SUBMITTAL PHASE: 100% BID SET

SUBMITTAL DATE: 5/12/17

DES	AA	DRW	RY	CHK	HD
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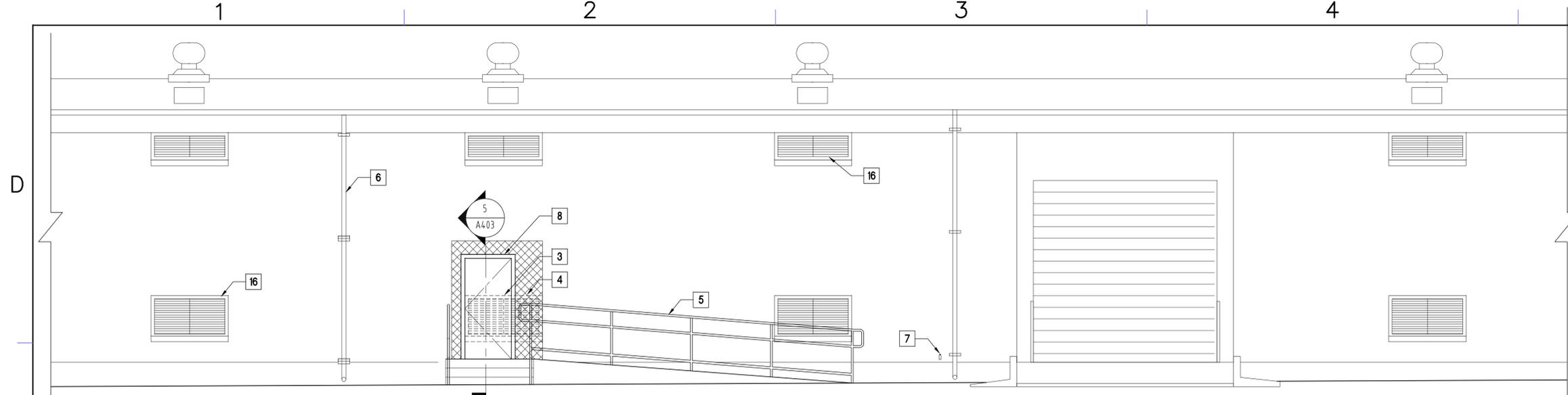
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 DEPARTMENT OF DEFENSE  
 HI EMERGENCY MANAGEMENT AGENCY (HI-EMA)  
 CONTRACTING & ENGINEERING OFFICE  
 DESIGN AND PROJECT MANAGEMENT BRANCH  
 HONOLULU, HAWAII  
 PROJECT STATION RENOVATION  
 BUSINESS RECOVERY CENTER  
 BUILDING 303  
**REFLECTED CEILING PLAN**

SCALE: AS NOTED

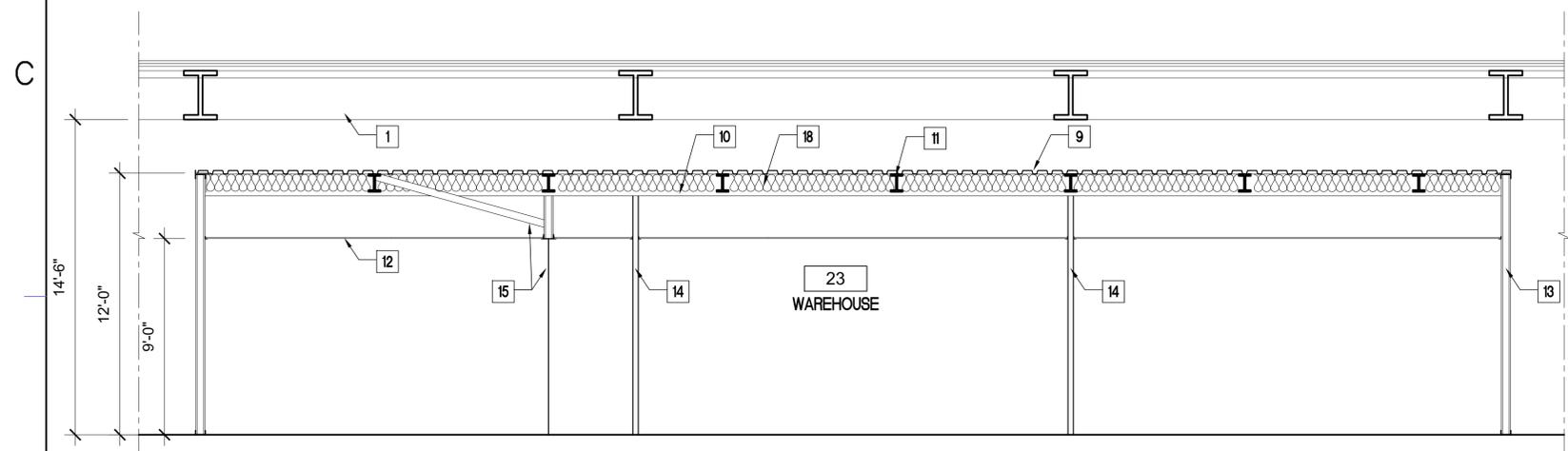
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FEDERAL PROJECT NO.

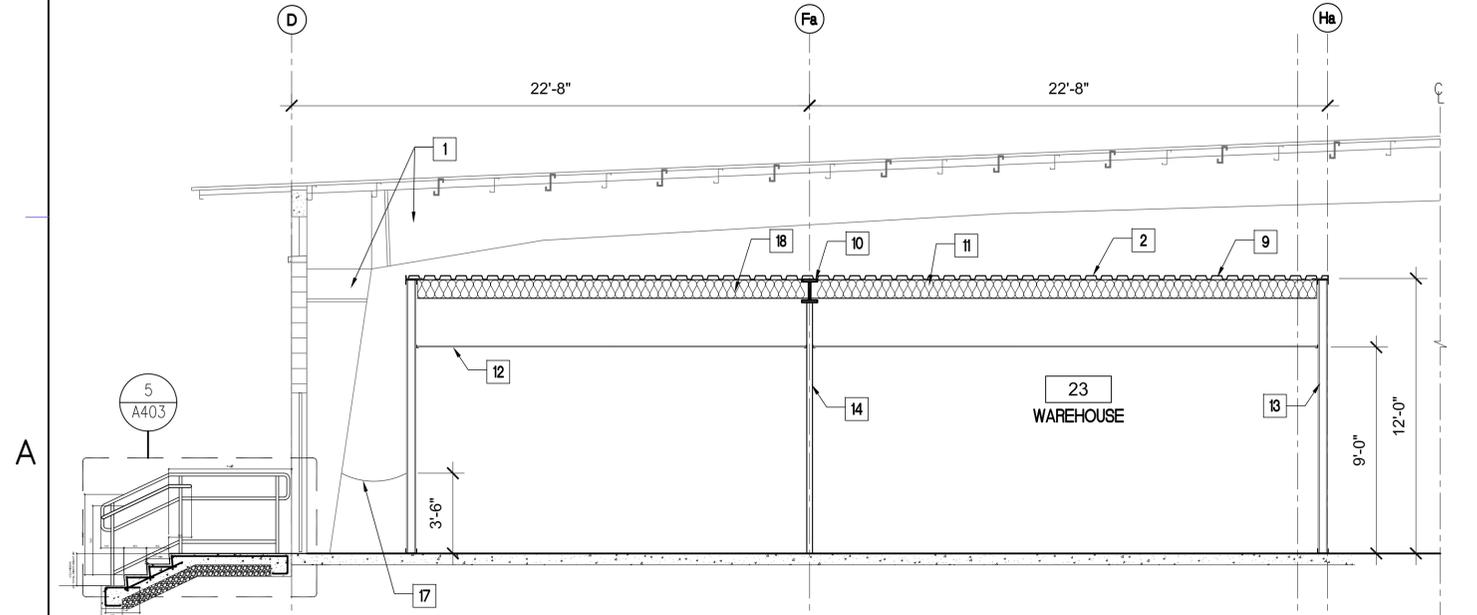
SHEET OF **A201**



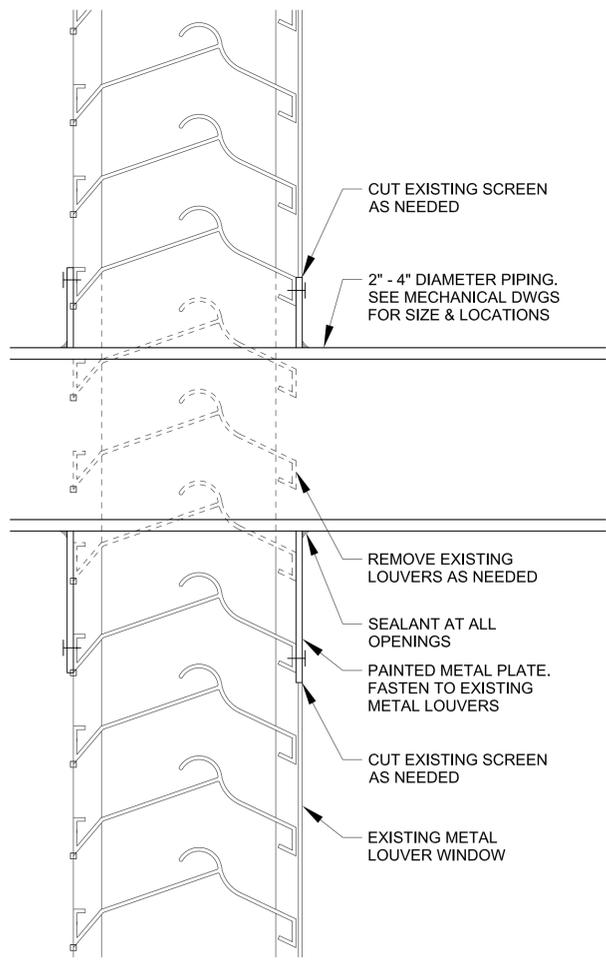
**4 BUILDING ELEVATION AT NEW RAMP**  
SCALE: 1/4"=1'-0"



**3 LONGITUDINAL SECTION**  
SCALE: 1/4"=1'-0"



**1 CROSS-SECTION**  
SCALE: 1/4"=1'-0"



**2 LOUVER PENETRATION DETAIL**  
SCALE: 3"=1'-0"

**KEYNOTES**

- 1 EXISTING PEMB WAREHOUSE STEEL MAINFRAME, TYP
- 2 NEW PRE-FABRICATED MODULAR IN-PLANT OFFICE. SEE FLOOR PLAN FOR MORE INFORMATION.
- 3 DEMOLISH AND DISPOSE OF EXISTING WINDOW AND FRAME.
- 4 PROVIDE CMU INFILL AS NECESSARY FOR NEW DOOR OPENING, AS SHOWN BY HATCHED AREA. SEE STRUCTURAL FOR ADDITIONAL NOTES. PAINT TO MATCH EXISTING WALL COLOR.
- 5 NEW ADA ACCESSIBLE CONCRETE RAMP, LANDING & STAIR.
- 6 EXST DOWNSPOUT, TYP.
- 7 EXST HOSE BIBB
- 8 NEW DOOR
- 9 METAL ROOF DECK
- 10 WIDE FLANGE SUPPORT BEAM
- 11 WIDE FLANGE ROOF BEAM
- 12 ACT CEILING
- 13 MODULAR PRE-FABRICATED WALL PANEL
- 14 STRUCTURAL COLUMN
- 15 BI-FOLD DOOR WITH DIAGONAL BRACING. SEE HEAD & SILL DETAILS 3/A503 & 9/A503
- 16 PROVIDE PIPE PENETRATIONS AT EXISTING LOUVER WINDOWS. SEE MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS OF PIPING. SEE DETAIL 2/A301 FOR LOUVER PENETRATION DETAIL.
- 17 PROVIDE CHAIN FOR PATHWAY OBSTRUCTION. ANCHOR TO EXISTING BUILDING STRUCTURE AND MODULAR BUILDING VERTICAL SUPPORT.
- 18 THERMAL ACOUSTIC INSULATION



**BOWERS + KUBOTA CONSULTING**  
 MARK M. NAKKO  
 LICENSED PROFESSIONAL ARCHITECT  
 No. 8026  
 HAWAII, U.S.A.  
 Signature: [Signature]  
 04/30/2018  
 Expiration Date of the License

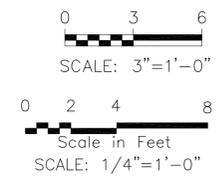
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

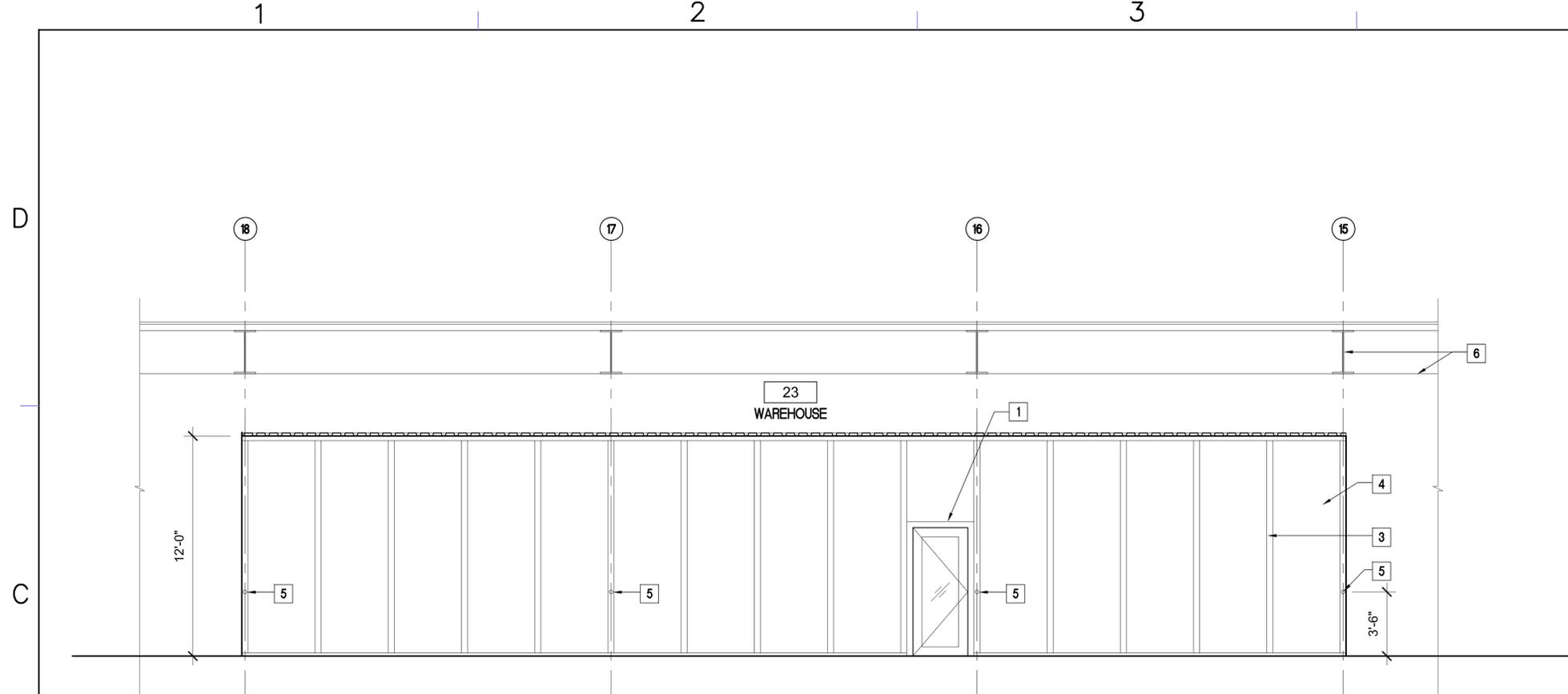
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100% BID SET  
 5/12/17

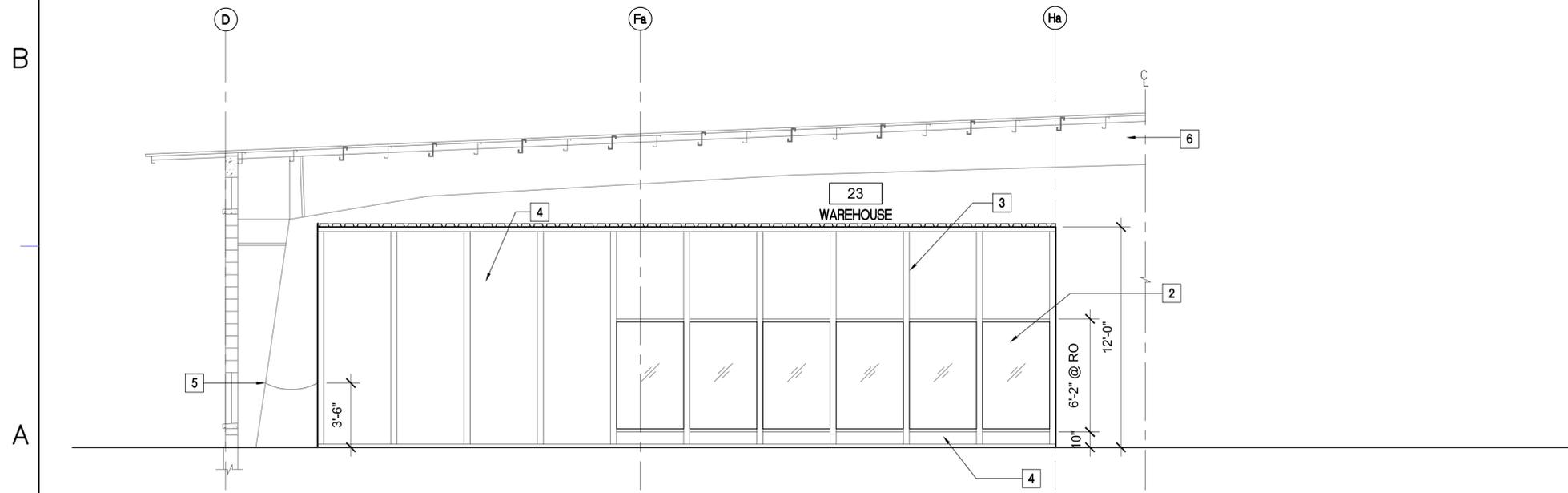
STATE OF HAWAII  
 DEPARTMENT OF DEFENSE  
 HI EMERGENCY MANAGEMENT AGENCY (HI-EMA)  
 CONTRACTING & ENGINEERING OFFICE  
 PROJECT STATION RENOVATION  
 HONOLULU, HAWAII  
**BUSINESS RECOVERY CENTER**  
 BUILDING 303  
**BLDG ELEV & SECTION**

SCALE: AS NOTED  
 STATE JOB NO. CA-1701-C  
 FEDERAL PROJECT NO.  
 SHEET OF  
**A301**

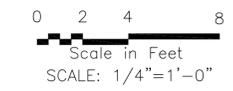




**1 MODULAR OFFICE - NORTH ELEVATION**  
SCALE: 1/4"=1'-0"



**2 MODULAR OFFICE - WEST ELEVATION**  
SCALE: 1/4"=1'-0"



**KEYNOTES**

- 1 NEW MODULAR OFFICE DOOR AND HARDWARE, TYP. SEE DOOR SCHEDULE.
- 2 NEW MODULAR PRE-FABRICATED GLASS WALL PANEL, TYP.
- 3 NEW MODULAR WALL PANEL SUPPORT STUD @ 48" O.C. TYP.
- 4 NEW MODULAR PRE-FABRICATED SOLID WALL PANEL, TYP.
- 5 PROVIDE CHAIN FOR PATHWAY OBSTRUCTION.
- 6 EXST PEMB WAREHOUSE STEEL MAINFRAME, TYP



Signature: *Mark M. Nakto* 04/30/2018  
Expiration Date of the License

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SYN	DESCRIPTION	DATE	APPR

SUBMITTAL PHASE  
100% BID SET

SUBMITTAL DATE  
5/12/17

DES AA DRW RY CHK HD

STATE OF HAWAII  
DEPARTMENT OF DEFENSE  
HI EMERGENCY MANAGEMENT AGENCY (HI-EMA)  
CONTRACTING & ENGINEERING OFFICE  
PROJECT STATION RENOVATION  
HONOLULU, HAWAII  
**BUSINESS RECOVERY CENTER**  
BUILDING 303  
**EXTERIOR ELEVATIONS**

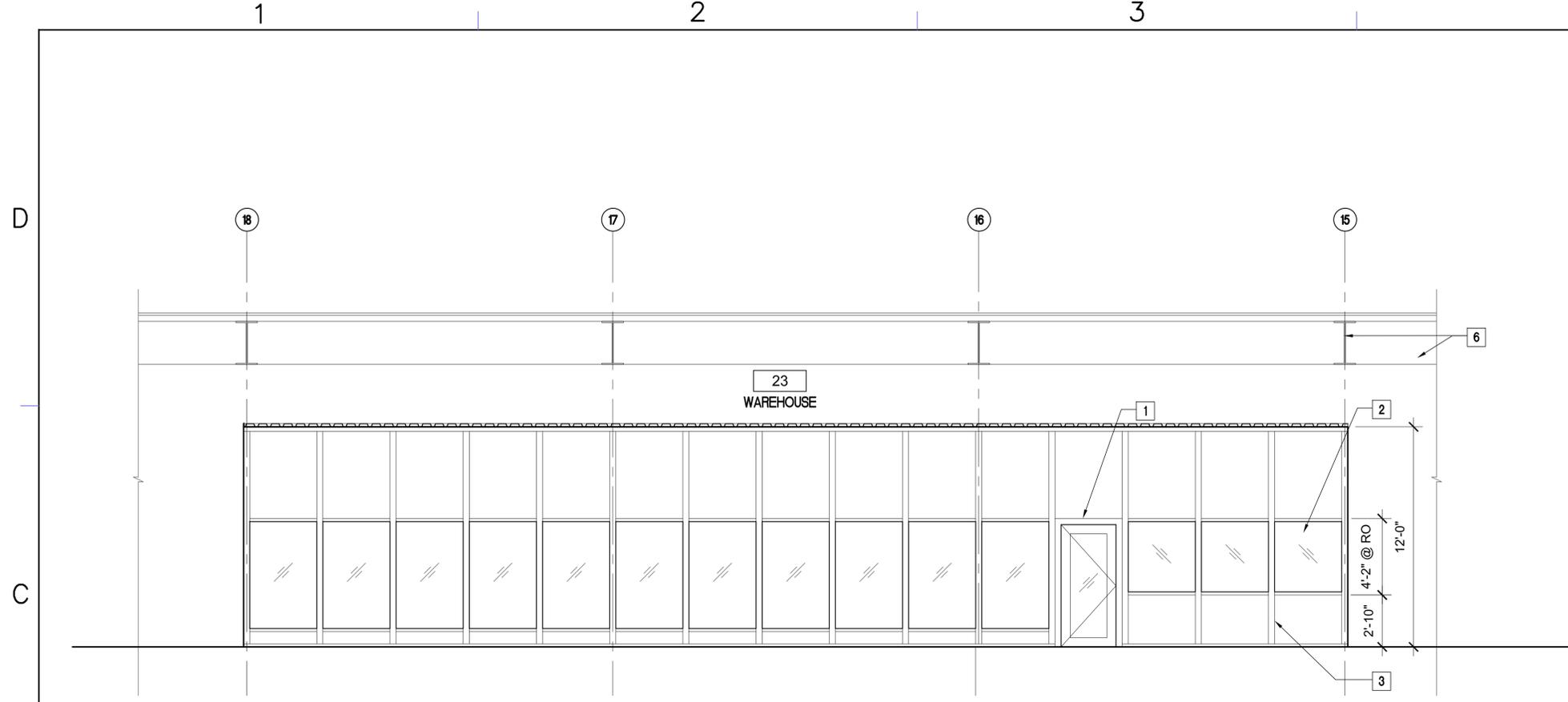
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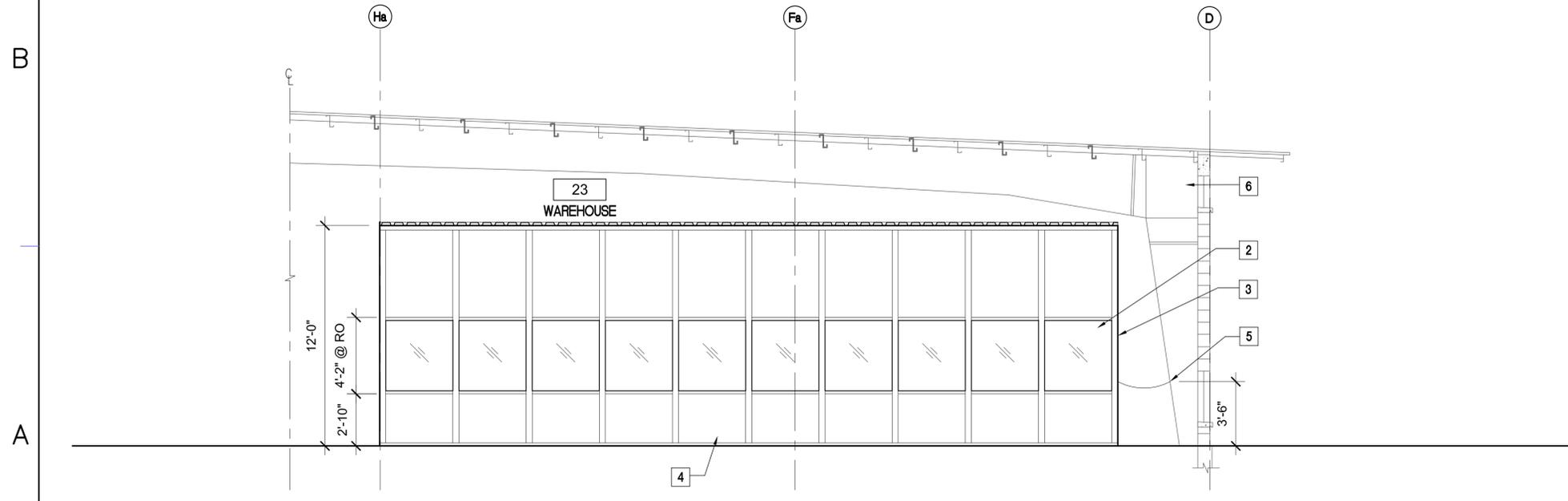
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SHEET OF

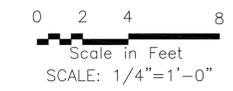
**A401**



**1 MODULAR OFFICE - SOUTH ELEVATION**  
SCALE: 1/4"=1'-0"



**2 MODULAR OFFICE - EAST ELEVATION**  
SCALE: 1/4"=1'-0"



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- 3 NEW MODULAR WALL PANEL SUPPORT STUD @ 48" O.C. TYP.
- 4 NEW MODULAR PRE-FABRICATED SOLID WALL PANEL, TYP.
- 5 NEW PATHWAY OBSTRUCTION.
- 6 EXST PEMB WAREHOUSE STEEL MAINFRAME, TYP



**BOWERS + KUBOTA CONSULTING**  
Professional Engineer • Planning • Architecture • Engineering • Construction Management

Signature: *Mark M. Nakto*  
Expiration Date of the License: 04/30/2018

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SYMBOL	DESCRIPTION	DATE	APPROVED

SUBMITTAL PHASE: 100% BID SET

SUBMITTAL DATE: 5/12/17

DES	AA	DRW	RY	CHK	HD

STATE OF HAWAII  
DEPARTMENT OF DEFENSE  
HI EMERGENCY MANAGEMENT AGENCY (HI-EMA)  
CONTRACTING & ENGINEERING OFFICE  
PROJECT STATION RENOVATION  
HONOLULU, HAWAII  
**BUSINESS RECOVERY CENTER**  
BUILDING 303  
**EXTERIOR ELEVATIONS**

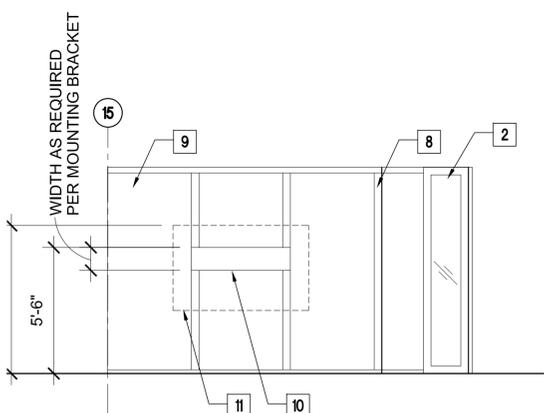
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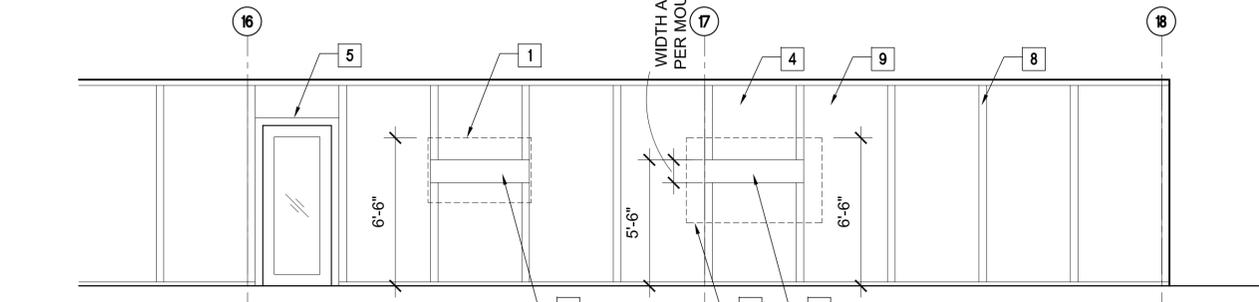
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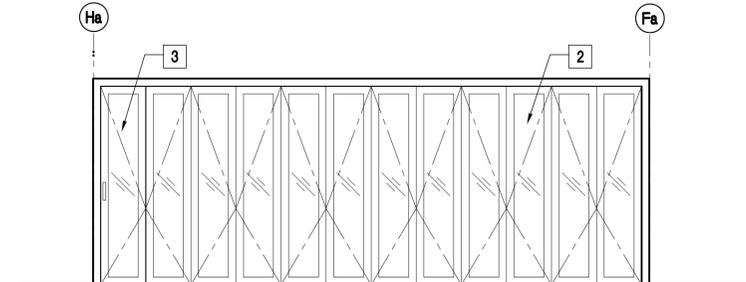
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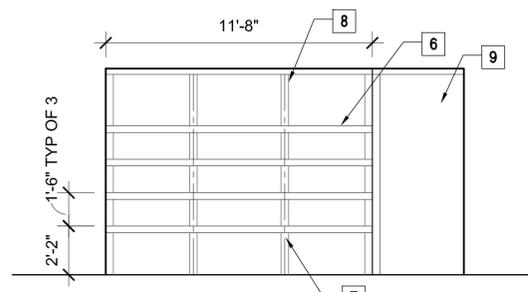
**1 PRIVATE WORK AREA @ DISPLAY - A**  
SCALE: 1/4":1'-0"



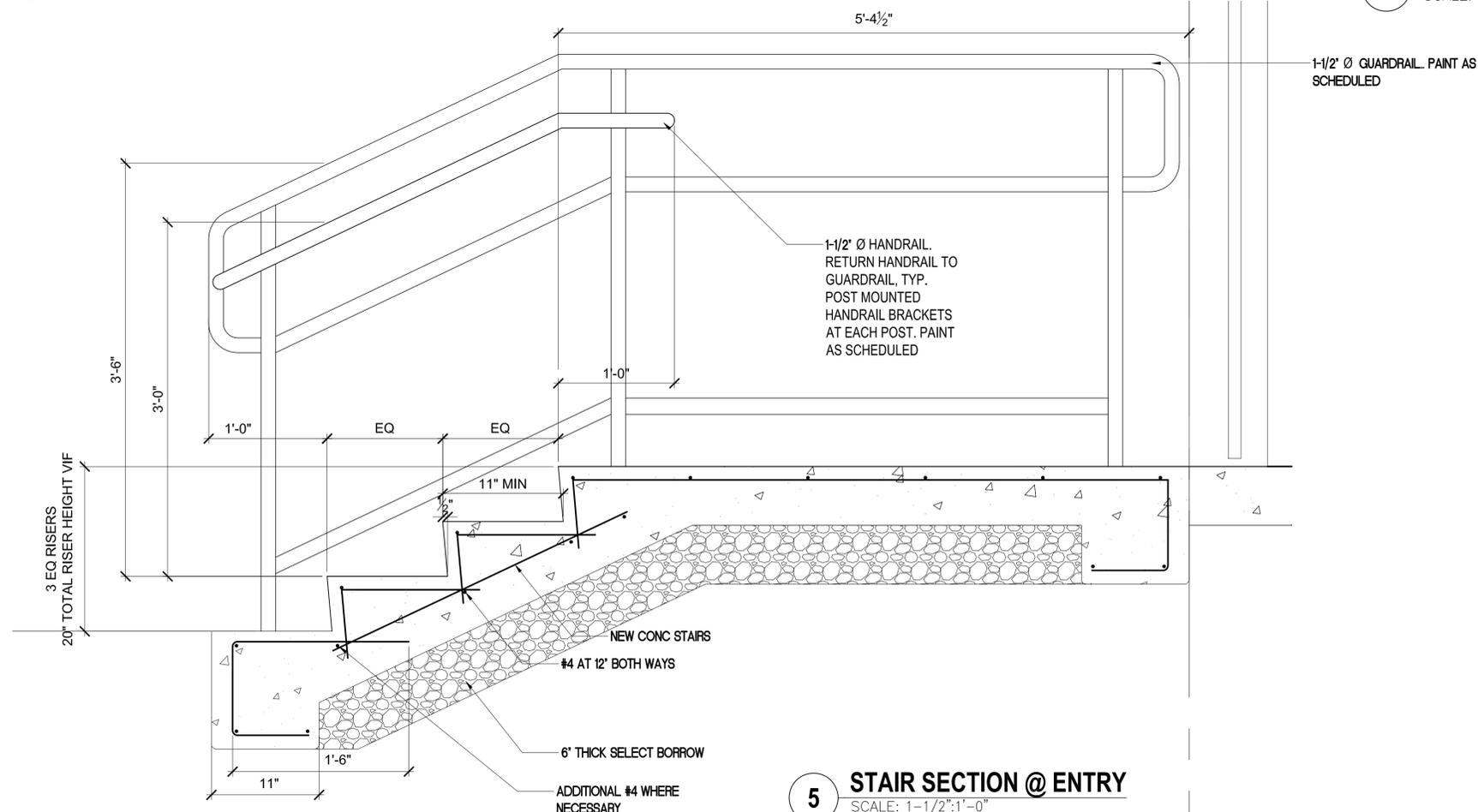
**3 OPEN WORK AREA @ DISPLAY - A**  
SCALE: 1/4":1'-0"



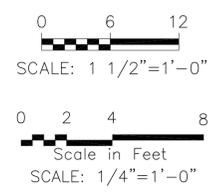
**2 PRIVATE WORK AREA @ BI-FOLD DOOR - B**  
SCALE: 1/4":1'-0"



**4 STORAGE ROOM - A**  
SCALE: 1/4":1'-0"



**5 STAIR SECTION @ ENTRY**  
SCALE: 1-1/2":1'-0"



**KEYNOTES**

- 1 64" ELECTRONIC DISPLAY. OFOI
- 2 NEW GLASS PANEL BI-FOLD DOOR. 12 PANELS TOTAL OF EQUAL WIDTH. SEE DOOR DETAILS SHEET A503.
- 3 NEW SWINGING DOOR WITH LATCH AND STRIKE, SEE DETAIL 7/A503
- 4 NEW ELECTRONIC DISPLAY. OWNER FURNISHED, OWNER INSTALLED.
- 5 NEW MODULAR OFFICE DOOR AND HARDWARE, TYP. SEE DOOR SCHEDULE.
- 6 NEW BUILT-IN SHELVING, SEE DETAIL 8/A503
- 7 PROVIDE SHELF BRACKETING AT STEEL WALL POSTS, TYP. SEE DETAIL 8/A503
- 8 NEW MODULAR WALL PANEL SUPPORT STUD @ 48" O.C. TYP.
- 9 NEW MODULAR PRE-FABRICATED SOLID WALL PANEL, TYP.
- 10 METAL PLATE FOR TV MOUNTING. SEE DETAIL 8/A504.
- 11 84" ELECTRONIC DISPLAY. OFOI



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SUBMITTAL DATE  
5/12/17

DES AA DRW RY CHK HD

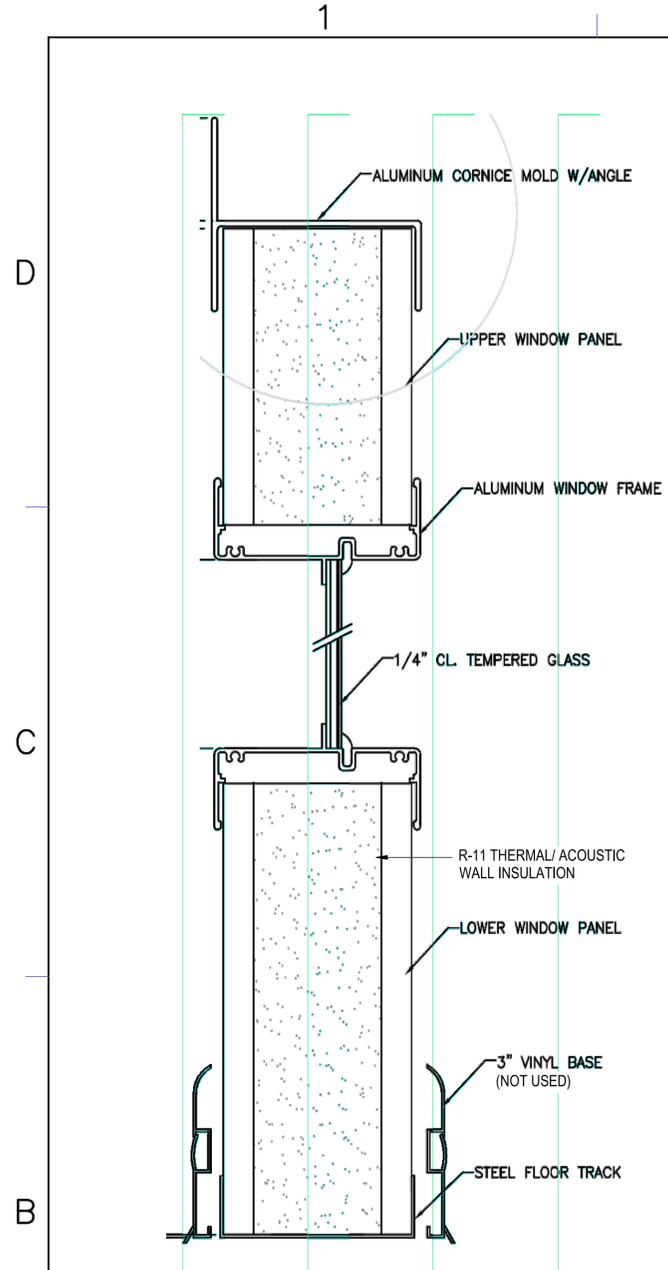
STATE OF HAWAII  
DEPARTMENT OF DEFENSE  
HI EMERGENCY MANAGEMENT AGENCY (HI-EMA)  
CONTRACTING & ENGINEERING OFFICE  
PROJECT STATION RENOVATION  
HONOLULU, HAWAII  
**BUSINESS RECOVERY CENTER**  
BUILDING 303  
**INT ELEV & STAIR SECTION**

SCALE: AS NOTED

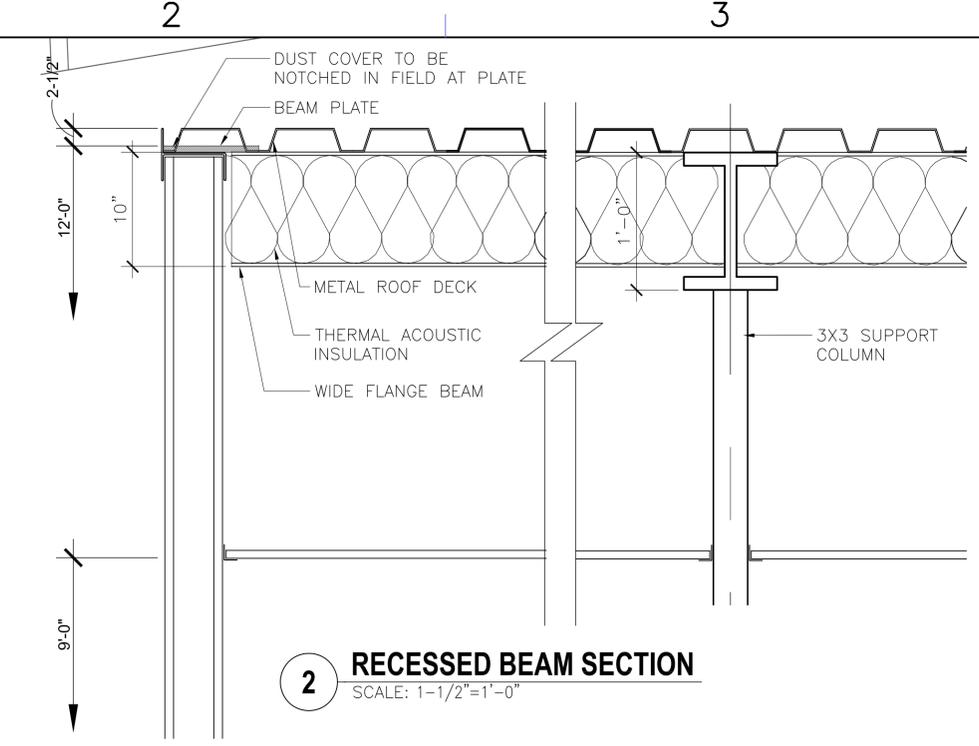
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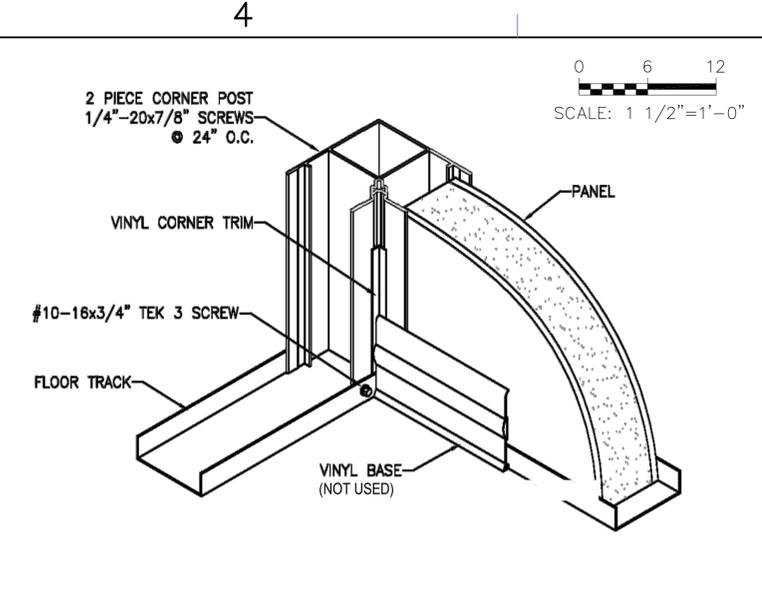
SHEET OF  
**A403**



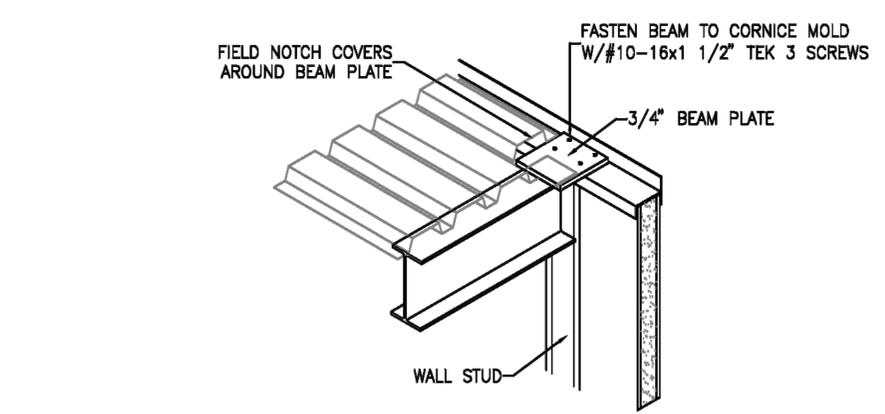
**1 TYPICAL WALL SECTION**  
SCALE: 1-1/2"=1'-0"



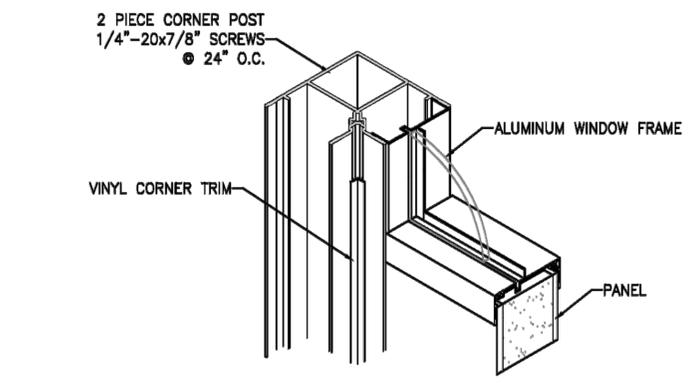
**2 RECESSED BEAM SECTION**  
SCALE: 1-1/2"=1'-0"



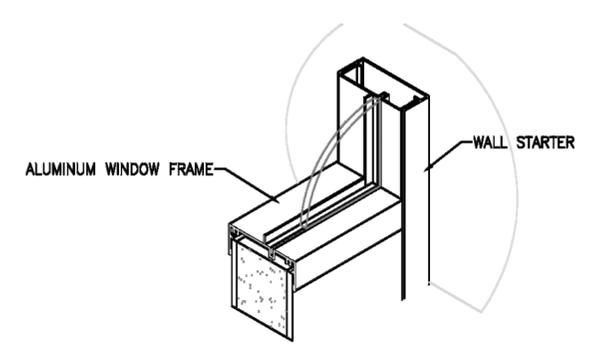
**3 CORNER POST DETAIL**  
SCALE: 1-1/2"=1'-0"



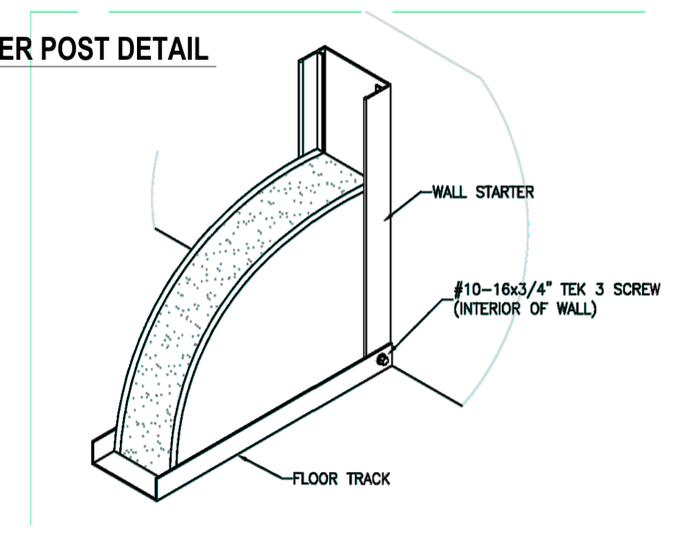
**4 RECESSED BEAM DETAIL**  
SCALE: 1-1/2"=1'-0"



**5 WINDOW AT CORNER POST DETAIL**  
SCALE: 1-1/2"=1'-0"



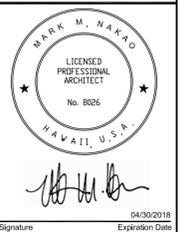
**6 WINDOW AT WALL STARTER DETAIL**  
SCALE: 1-1/2"=1'-0"



**7 WALL STARTER CONNECTION**  
SCALE: 1-1/2"=1'-0"



**BK BOWERS + KUBOTA CONSULTING**  
Architectural • Mechanical • Electrical • Structural • Energy • Construction Management



Signature: *[Signature]* 04/30/2018  
Expiration Date of the License

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SYMBOL	DESCRIPTION	DATE	APPROVED

SUBMITTAL PHASE

100% BID SET

SUBMITTAL DATE 5/12/17

DES AA DRW RY CHK HD

STATE OF HAWAII  
DEPARTMENT OF DEFENSE  
HI EMERGENCY MANAGEMENT AGENCY (HI-EMA)  
CONTRACTING & ENGINEERING OFFICE  
DESIGN AND PROJECT MANAGEMENT BRANCH  
HONOLULU, HAWAII  
PROJECT STATION RENOVATION  
**BUSINESS RECOVERY CENTER**  
BUILDING 303  
**MODULE DETAILS**

SCALE: AS NOTED

STATE JOB NO. CA-1701-C

FEDERAL PROJECT NO.

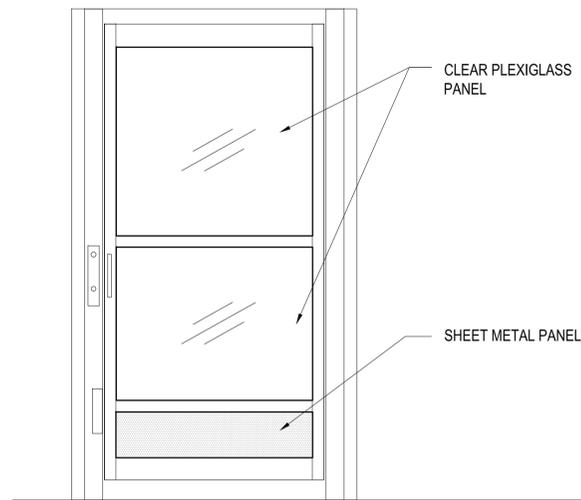
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**A501**

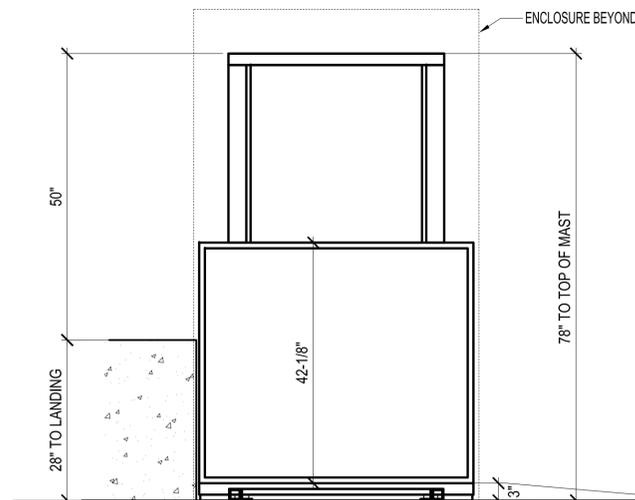




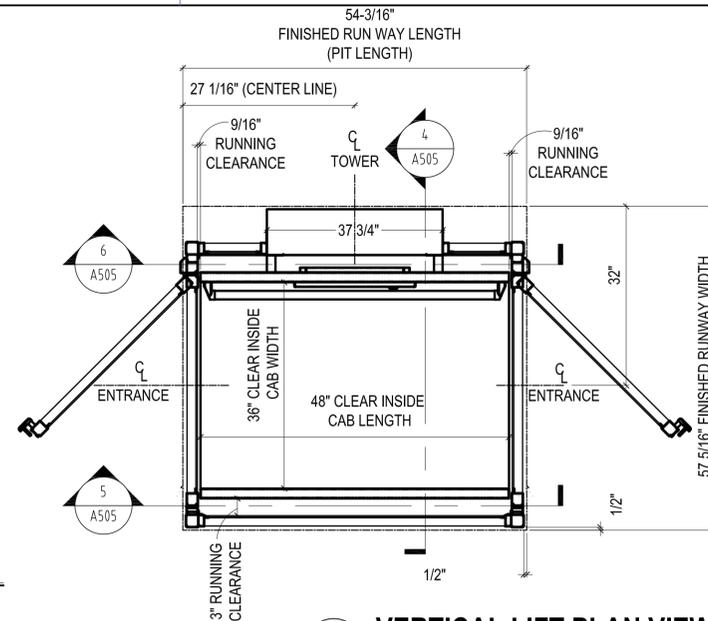




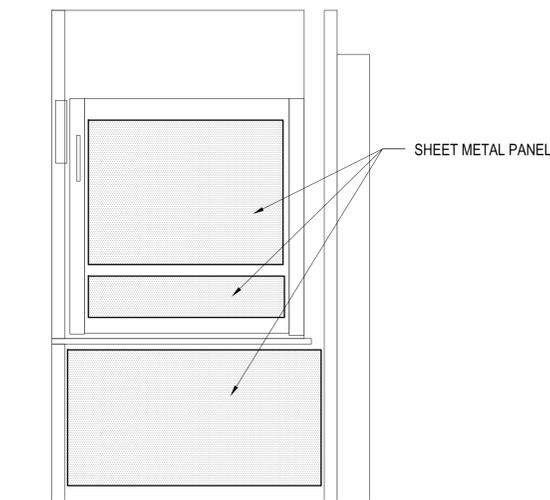
**1 VERTICAL ENCLOSURE DOOR ELEVATION**  
SCALE: 3/4"=1'-0"



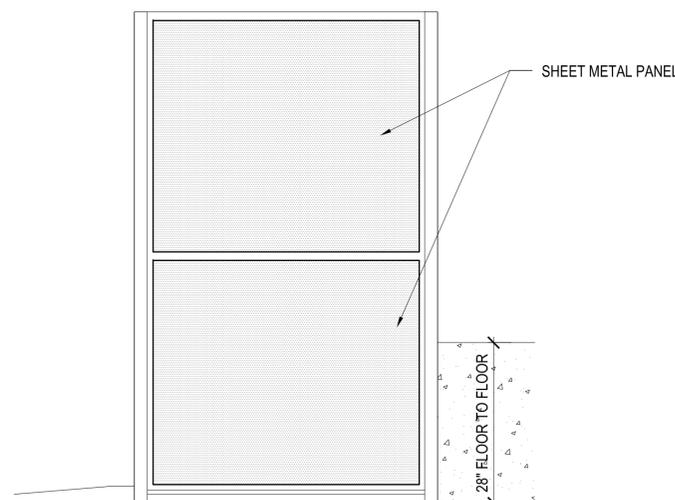
**2 VERTICAL LIFT SECTION**  
SCALE: 3/4"=1'-0"



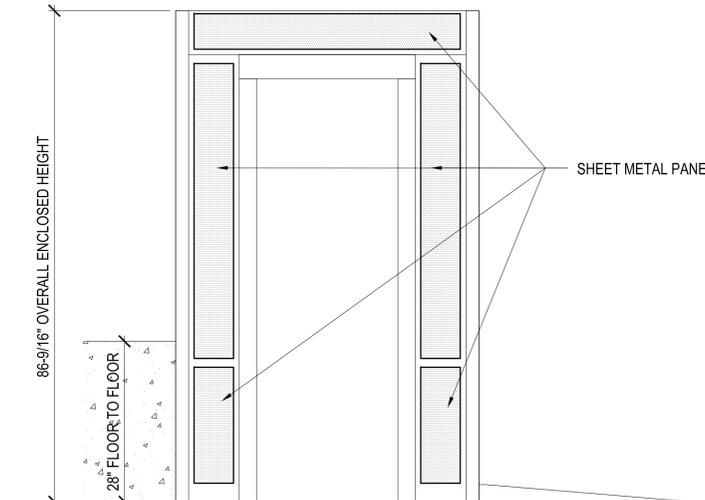
**3 VERTICAL LIFT PLAN VIEW**  
SCALE: 3/4"=1'-0"



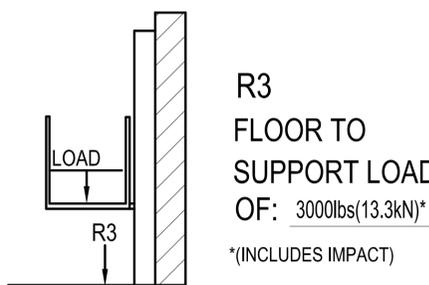
**4 VERTICAL ENCLOSURE DOOR ELEVATION**  
SCALE: 3/4"=1'-0"



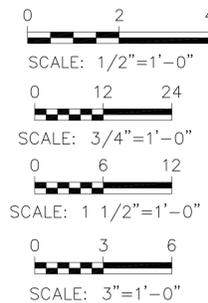
**5 VERTICAL ENCLOSURE ELEVATION**  
SCALE: 3/4"=1'-0"



**6 VERTICAL ENCLOSURE SECTION**  
SCALE: 3/4"=1'-0"



**7 VERTICAL LIFT FLOOR SUPPORT LOAD DIAGRAM**  
SCALE: 3"=1'-0"



**VERTICAL LIFT NOTES:**

**GENERAL**  
HOISTWAY - THE HOISTWAY MUST BE DESIGNED AND BUILT IN ACCORDANCE WITH "SAFETY STANDARD FOR PLATFORM LIFTS AND STAIRWAY CHAIRLIFTS" OR "SAFETY CODE FOR ELEVATORS AND ESCALATORS" AND ALL STATE/PROVINCIALS AND LOCAL CODES.

**PLUMB RUNWAY-** DUE TO CLOSE RUNNING CLEARANCES OWNER/ AGENT MUST ENSURE THAT HOISTWAY AND PIT (WHERE PROVIDED) ARE LEVEL, PLUMB (+/- 1/8" (3 mm)) AND SQUARE AND ARE IN ACCORDANCE WITH THE DIMENSIONS AS SHOWN.

**MINIMUM OVERHEAD CLEARANCE-** ENSURE MINIMUM OVERHEAD CLEARANCE IS IN COMPLIANCE WITH CODES.

**CONSTRUCTION SITE-** PROVIDE ALL MASONRY, CARPENTRY AND DRYWALL WORK AS REQUIRED PATCH AND MAKE GOOD (INCLUDING FINISH PAINTING) ALL AREAS WHERE WALLS/FLOORS MAY REQUIRE TO BE CUT, DRILLED OR ALTERED IN ANY WAY TO PERMIT THE PROPER INSTALLATION OF THE LIFT.

**DIMENSIONS-** VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO ARCHITECT IMMEDIATELY.

**STRUCTURAL**  
**FLOOR/SUPPORT WALL LOADS-** STRUCTURAL ENGINEER TO ASSURE THAT BUILDING AND SHAFT WILL SAFELY SUPPORT ALL LOADS IMPOSED BY THE LIFT EQUIPMENT. REFER TO THE LOAD DIAGRAM ON THIS DRAWING.

**MAST TO BE SECURELY FASTENED-** WHERE REQUIRED THE MAST MUST BE SECURELY FASTENED TO THE STRUCTURAL SUPPORT WALL. REFER TO WALL / FLOOR SUPPORT LOAD DIAGRAM AND WALL LAG DIMENSIONS.

**ELECTRICAL**  
**GENERAL-** ELECTRICAL EQUIPMENT AND WIRING TO COMPLY WITH SECTION 38 OF CSA C22.1 (CANADA) OR SECTION 620 OF NEC ANSINFA 70 (USA).

**POWER SUPPLY-** 120VAC, 20A, 60HZ, 1PH CIRCUIT THROUGH A FUSE DISCONNECT WITH AUXILIARY CONTACT ON MAIN POWER SUPPLY. PROVIDE TWO 18 AWG CONDUCTORS BETWEEN CONTACT AND CONTROLLER.

**LIGHTING-** LIGHTING OF 100 LX MIN. AT PLATFORM AND LANDINGS. LIGHTING WITH SWITCH AND ELECTRICAL GFCI OUTLET IN HOISTWAY PIT.

**ADDITIONAL BRANCH CIRCUIT-** BRANCH CIRCUIT WITH DISCONNECT FOR DOOR OPERATORS (IF EQUIPPED) (120VAC, 15A, 60HZ, 1PH) BRANCH CIRCUIT WITH DISCONNECT FOR VENTILATION SYSTEM (IF EQUIPPED) (120VAC, 15A, 60HZ, 1PH).

**ENTRANCES**  
**UPPER LANDING GATES-** WHERE REQUIRED, SMOOTH SOLID BARRIERS ARE TO BE SUPPLIED AND INSTALLED ON BOTH SIDES OF ENTRANCE AT UPPER LEVEL AND MUST BE A MINIMUM OF 42" (1067 mm) HIGH. ENTRANCE ASSEMBLY MUST BE IN PLACE PRIOR TO THIS PROVISION.

**FASCIA PANEL BELOW UPPER LEVEL ENTRANCE-** WHERE REQUIRED, FASCIA PANEL MUST BE FASTENED TO A SOLID WALL AND BE PERPENDICULAR TO THE FLOOR AND WALLS. HOISTWAY FASCIA IS NOT SELF-SUPPORTING FOR LONG, CONTINUOUS RUNS VOID OF ENTRANCES. ADEQUATE SUPPORT FOR THE FASCIA MUST BE PROVIDED.

**ENTRANCE ASSEMBLIES-** ENTRANCE ASSEMBLIES MUST BE ADJUSTED TO ALIGN WITH PLATFORM AND INTERLOCK EQUIPMENT. OTHERS TO ALLOW AN ADEQUATE ROUGH OPENING.

**RETURN WALLS-** RETURN WALLS AT ENTRANCES MUST BE BUILT-IN BY OTHERS AFTER ENTRANCE ASSEMBLIES ARE IN PLACE. ENTRANCE ASSEMBLY MUST BE SECURELY FASTENED TO WALLS.



BOWERS + KUBOTA CONSULTING



Signature: Mark M. Nakko  
Expiration Date of the License: 04/30/2018

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

DATE	DESCRIPTION	SYM	APPR

100% BID SET

5/12/17

DES AA DRW RY CHK HD

DEPARTMENT OF DEFENSE  
HAWAII EMERGENCY MANAGEMENT AGENCY (HI-EMA)  
CONTRACTING & ENGINEERING OFFICE  
PROJECT STATION RENOVATION HONOLULU, HAWAII  
BUSINESS RECOVERY CENTER BUILDING 303  
VERTICAL LIFT DETAILS

SCALE: AS NOTED  
STATE JOB NO. CA-1701-C  
FEDERAL PROJECT NO.  
SHEET OF

**A505**

## DOOR SCHEDULE

DOOR NUMBER	DOOR TYPE	FRAME MATERIAL	DOOR MATERIAL	WIDTH	HEIGHT	THICKNESS	HARDWARE NO.	DETAILS				REMARKS
								HEAD	JAMB	SILL	RATING	
1	C	AL	AL	24'-4"	8'-10"	1-3/4"	N/A	BPM	BPM	BPM	NONE	12 FOLDING PANELS OF EQUAL WIDTH; HARDWARE BY DOOR MANUFACTURER; CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ARCHITECTURAL REVIEW AND APPROVAL.
2	A	HM	HM	3'-0"	7'-0"	1-3/4"	1	9/A502	10/A502	11/A502	NONE	
3	B	HM	WD	3'-0"	7'-0"	1-3/4"	3	BPM	BPM	BPM	NONE	
4	B	HM	HM	3'-0"	7'-0"	1-3/4"	2	BPM	BPM	BPM	NONE	
5	B	HM	WD	3'-0"	7'-0"	1-3/4"	4	BPM	BPM	BPM	NONE	
6	B	HM	WD	3'-0"	7'-0"	1-3/4"	4	BPM	BPM	BPM	NONE	

\*NOTE:  
 1. ALL FINISH HARDWARE SHALL MEET A.D.A. REQUIREMENTS  
 2. ALL LOCKS TO BE KEYED DIFFERENTLY; PROVIDE KEYS PER LOCK AND STAMP KEYS WITH "DO NOT DUPLICATE"

## FINISH SCHEDULE

ROOM NO.	NAME	AREA	BASE	FLOOR FINISH	WALL FINISH				CEILING	CLG HEIGHT	COMMENTS
					A	B	C	D			
27	OPEN WORK AREA	180 SF	N/A	CPT-1	GREY	WHITE	WHITE	WHITE	ACT-1	9'-0"	WALL FINISHES PER STANDARD MODULAR PANEL COLORS
28	PRIVATE WORK AREA	381 SF	N/A	CPT-1	GREY	WHITE	WHITE	WHITE	ACT-1	9'-0"	WALL FINISHES PER STANDARD MODULAR PANEL COLORS
29	TELECOM	107 SF	N/A	VCT-1	WHITE	WHITE	WHITE	WHITE	ACT-1	9'-0"	WALL FINISHES PER STANDARD MODULAR PANEL COLORS
30	STORAGE	107 SF	N/A	CPT-1	GREY	WHITE	WHITE	WHITE	ACT-1	9'-0"	WALL FINISHES PER STANDARD MODULAR PANEL COLORS

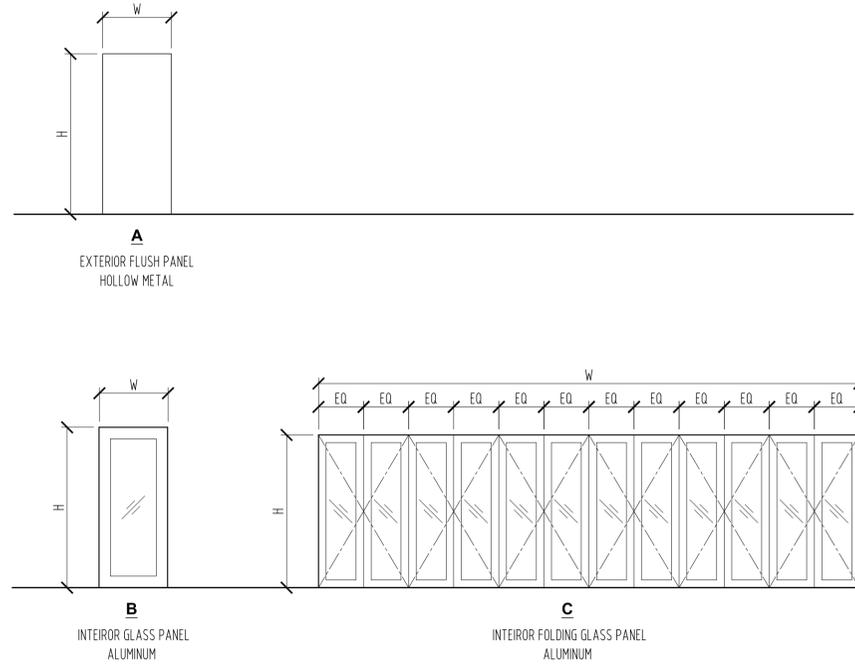
## FINISH LEGEND

SYMBOL	MATERIAL	MANUFACTURER	PATTERN/COLOR	COMMENTS
ACT 1	ACOUSTICAL TILE	ROCKFON	ARTIC. SQUARE LAY-IN	SIZE: 2'X2'
CPT 1	CARPET TILE	MILLIKEN	ARCHIPELAGO, MANGROVE, REEF MAN125	SIZE: 19.7" X 19.7"
LNO 1	LINOLEUM	FORBO	MARMOLEUM, REAL, EIGER 2629	SHEET-ROLL WIDTH 72" X 105 LF

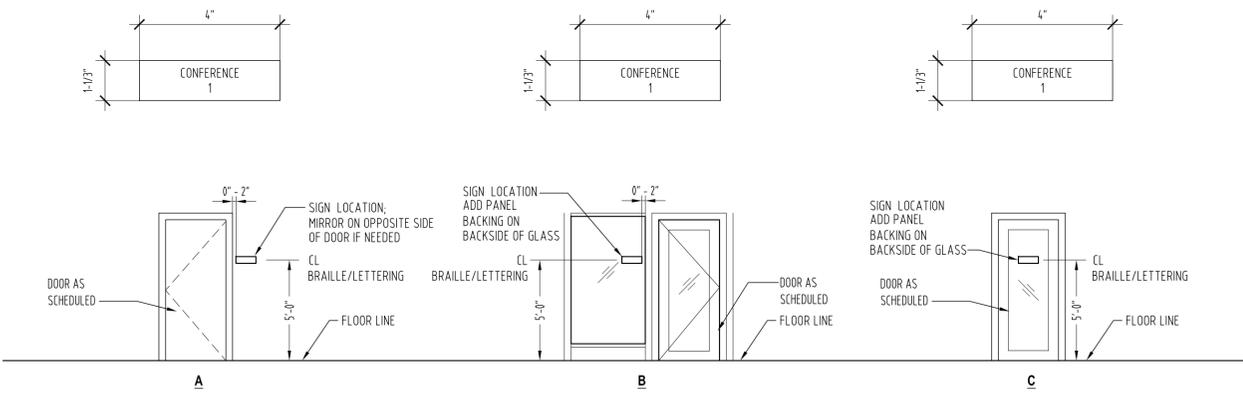
## SIGNAGE SCHEDULE

SIGN NO.	SIGN TYPE	SIGN TEXT
1	A	BUSINESS RECOVERY CENTER
2	A	BUSINESS RECOVERY CENTER
3	B	BUSINESS RECOVERY CENTER
4	C	STORAGE
5	C	TELECOM

## DOOR TYPES



## SIGNAGE TYPES



**SIGN NOTES:**  
 1. ALL SIGNAGE SHALL MEET A.D.A. REQUIREMENTS FOR ROOM IDENTIFICATION, BRAILLE AND VISUAL REQUIREMENTS  
 2. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR MOUNTING  
 3. ALL TEXT AT 1" HIGH HELVETICA MEDIUM UPPER CASE



**BOWERS + KUBOTA CONSULTING**  
 Project Management • Planning • Architecture • Interior Design • Construction Management



Signature: *[Signature]*  
 Expiration Date of the License: 04/30/2018

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SYMBOL	DESCRIPTION	DATE	APPROVED

100% BID SET

5/12/17

DES: AA DRW: RY CHK: HD

STATE OF HAWAII  
 DEPARTMENT OF DEFENSE  
**HI-EMERGENCY MANAGEMENT AGENCY (HI-EMA)**  
 CONTRACTING & ENGINEERING OFFICE  
 PROJECT: STATION RENOVATION HONOLULU, HAWAII  
**BUSINESS RECOVERY CENTER**  
 BUILDING 303  
**DOOR TYPES, MISC SCHEDULES**

SCALE: AS NOTED  
 STATE JOB NO.: CA-1701-C  
 FEDERAL PROJECT NO.:  
 SHEET OF  
**A601**

























**GENERAL ELECTRICAL NOTES:**

- ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS PRIOR TO BIDDING. BID SUBMISSION SHALL BE CONSIDERED AS CONFIRMATION THAT THE CONTRACTOR HAS VISITED THE SITE AND HAS RESOLVED ALL DISCREPANCIES AND QUESTIONS REGARDING THE WORK. NO EXTRA PAYMENT WILL BE GIVEN FOR WORK MADE NECESSARY BY THE CONTRACTOR'S FAILURE TO VISIT THE SITE.
- ALL RACEWAYS AND OUTLETS IN OFFICE BUILDING SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- CONDUIT SIZES INDICATED ON THE DRAWINGS ARE NOT NECESSARILY BASED ON THE MINIMUM SIZE ALLOWED BY THE NATIONAL ELECTRICAL CODE AND MAY BE PURPOSELY OVERSIZED FOR FUTURE CONDUCTORS OR TO AVOID CONDUIT HEATING. CONDUIT SIZES NOT CALLED OUT ON THE DRAWINGS SHALL BE SIZED BY THE CONTRACTOR, BASED ON THE ACTUAL NUMBER OF CONDUCTORS TO BE INSTALLED, USING THE NATIONAL ELECTRICAL CODE AS A GUIDE. IN NO CASE SHALL CONDUIT SIZES BE SMALLER THAN 3/4" DIAMETER.
- ALL WIRING SHALL INCLUDE AN INSULATED GREEN GROUNDING CONDUCTOR SIZED PER TABLE 250.122 OF THE NATIONAL ELECTRICAL CODE. THIS CONDUCTOR SHALL BE CARRIED IN ALL RACEWAYS INCLUDING THOSE INSTALLED FOR SWITCH LEGS AND SHALL BE ATTACHED TO THE DEVICE, LIGHT FIXTURE, OR EQUIPMENT HOUSING USING A SUITABLE GROUNDING LUG.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES REQUIRED FOR THE INSTALLATION OF ELECTRICAL DEVICES AND EQUIPMENT, WHETHER OR NOT SPECIFICALLY INDICATED ON THE PLANS. SIZING OF THESE BOXES SHALL BE PER THE NATIONAL ELECTRICAL CODE.
- PROJECT CONDITIONS MAY REQUIRE REARRANGEMENT OF ELECTRICAL WORK, THE CONTRACTOR SHALL INDICATE SUCH CHANGES ON THE AS-BUILT DRAWINGS. WHERE CHANGES REQUIRE ALTERNATE METHODS TO THOSE SPECIFIED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SUBMIT DRAWINGS SHOWING THE PROPOSED METHOD FOR APPROVAL. THE CONTRACTOR SHALL NOT PROCEED UNTIL APPROVAL IS OBTAINED. REARRANGEMENT OF WORK FOR THE PURPOSE OF COORDINATION BETWEEN TRADES SHALL NOT BE CONSIDERED A REASON FOR EXTRA COST.
- EXISTING CONDITION SHOWN ON DRAWINGS ARE TAKEN FROM PAST DESIGN DRAWINGS AND VISUAL FIELD INVESTIGATION. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS SHOWN. DEVIATIONS SHALL BE SHOWN ON AS-BUILT DRAWINGS.
- THE CONTRACTOR SHALL PAINT ALL NEW EXPOSED RACEWAYS AND BOXES TO MATCH SURROUNDING FINISH.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
- REFINISH AND PATCH TO MATCH ALL EXISTING WALL AND CEILING SURFACES DAMAGED OR SCRATCHED BY ELECTRICAL REMOVAL AND INSTALLATION WORK. NEW TOUCH-UP PAINT WORK SHALL BLEND INTO AND MATCH EXISTING FINISH.
- ALL MATERIAL, EQUIPMENT, AND WIRING LOCATED OUTDOORS SHALL BE RATED FOR WET LOCATIONS.
- PROVIDE NYLON PULLSTRINGS IN ALL TELECOM RACEWAYS.
- THE CONTRACTOR SHALL VERIFY WITH CONTRACTING OFFICER EXACT EQUIPMENT LOCATIONS AND RATINGS PRIOR TO ROUGH IN OF ALL OUTLETS FOR POWER.
- THE CONTRACTOR SHALL LABEL EACH RECEPTACLE WITH PANEL NAME AND CIRCUIT NUMBER. USE ADHESIVE LABELS - BLACK LETTERING ON CLEAR BACKGROUND.
- THE CONTRACTOR SHALL FILL-IN THE PANEL SCHEDULES OF ELECTRIC PANEL USING A TYPEWRITER. PROVIDE CIRCUIT DESCRIPTIONS BASED ON PANEL SCHEDULE DESCRIPTIONS FOR NEW CIRCUITS.
- REROUTE EXISTING RACEWAYS AND RELOCATE EXISTING JUNCTION BOXES AS REQUIRED TO AVOID CONFLICTS WITH NEW WORK.
- ALL NEW RACEWAYS ABOVE OFFICE BUILDING SPACE SHALL BE SUPPORTED BY NEW STEEL CHANNEL SUPPORTS. NEW STEEL CHANNEL SUPPORTS SHALL BE KEPT AS HIGH AS POSSIBLE TO AVOID CONFLICT WITH EXISTING LIGHTING.
- CONTRACTOR SHALL VERIFY MECHANICAL EQUIPMENT RATINGS WITH MECHANICAL CONTRACTOR PRIOR TO ORDERING ELECTRICAL EQUIPMENT. CONTRACTOR SHALL RESIZE CIRCUIT BREAKERS ACCORDING TO EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND RESIZE WIRES AT NO ADDITIONAL COST TO THE STATE. ALL CHANGES SHALL BE SHOWN ON "AS-BUILT" DRAWINGS.
- ALL MULTIWIRE BRANCH CIRCUITS SHALL BE IN ACCORDANCE WITH NEC ARTICLE 210.4. ALL CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS.
- ALL NEW LIGHT FIXTURES SHALL BE SUPPORTED FROM STRUCTURE WITH TWO 12 GAGE WIRES ATTACHED AT OPPOSING CORNERS OF THE LIGHT FIXTURE PER IBC SECTION 1621.

**ELECTRICAL SYMBOL LIST**

EXISTING	NEW	DESCRIPTION
		LIGHT, CEILING RECESSED MOUNTED.
		LIGHT, WALL MOUNTED.
		NIGHT LIGHT, WALL MOUNTED.
		EXIT SIGN, SINGLE FACE, WALL SURFACE MOUNTED.
		SWITCH, FLUSH TUMBLER, WALL MOUNTED.
	"o"	INDICATES FIXTURE OR DEVICE CONTROLLED BY SW. "o", OTHER LETTERS SIMILAR.
		JUNCTION BOX, CEILING MOUNTED.
		JUNCTION BOX, WALL MOUNTED.
		RECEPTACLE, DUPLEX, WALL MOUNTED, 20A, 125V, NEMA 5-20.
		RECEP, DUPLEX, FLUSH FLOOR MTD., 20A, 125V, NEMA 5-20.
		PUSHBUTTON, WALL MOUNTED.
		TELECOM OUTLET, WALL MOUNTED.
		TELEPHONE OUTLET, FLUSH FLOOR MOUNTED.
		EQUIPMENT CONNECTION.
		FAN CONNECTION.
		EQUIPMENT DISCONNECT SWITCH, HORSEPOWER RATED.
		ELECTRIC PANEL.
		ELECTRICAL EQUIPMENT.
		RACEWAY, CONCEALED ABOVE FINISH FLOOR, NUMBER OF HASHMARKS INDICATE NUMBER OF WIRES WITHIN.
		RACEWAY, CONCEALED BELOW FINISH FLOOR, NO HASHMARKS INDICATES TWO WIRES WITHIN.
		EXPOSED RACEWAY.
		FLEXIBLE RACEWAY.
		ARROW, HOMERUN TO PANEL OR CABINET.
		RACEWAY, STUBBED AND CAPPED.
	-T/D-	TELECOM RACEWAY, CONCEALED.
	--T/D--	TELECOM RACEWAY, EXPOSED.
		ELECTRICAL NOTE INDICATOR.
		FIXTURE INDICATOR UPPER HALF: FIXTURE TYPE. LOWER HALF: NO. OF LAMPS & WATTS OR LENGTH.
		DETAIL INDICATOR UPPER HALF: DETAIL NUMBER. LOWER HALF: SHEET NUMBER, DETAIL LOCATION.
	WP	INDICATES WEATHERPROOF.
	NL	INDICATES NIGHT LIGHT.

**MOUNTING HEIGHT SCHEDULE**

DEVICE ON PLAN	MOUNTING HEIGHT	REFERENCE POINT			REMARKS
		FLOOR	CEILING	TO CL TOP	
	45"	.			MOUNTING HEIGHT SHALL BE TO TOP OF OPERABLE PART.
	18"	.		BOTTOM	MOUNTING HEIGHT SHALL BE TO BOTTOM OF PLATE.
	18"	.		BOTTOM	MOUNTING HEIGHT SHALL BE TO BOTTOM OF PLATE.
	5'-6"	.			

CITY AND COUNTY OF HONOLULU  
REVISED ORDINANCE CHAPTER 32,  
HONOLULU COUNTY CODE 1990, AS AMENDED

To the best of my knowledge, this project's design substantially conforms to the Building Energy Conservation Code for:

Building Component Systems  
 Electrical Component Systems  
 Mechanical Component Systems

Signature: Date: 03-21-17  
Name: BRIAN ITOZAKI  
Title: ELECTRICAL ENGINEER  
License No.: 9058-E

**BUILDING ENERGY EFFICIENCY STANDARDS**

EXTERIOR LIGHTING POWER ALLOWANCE	60 W	INSTALLED	28 W
INTERIOR LIGHTING POWER ALLOWANCE	2,212 W	INSTALLED	1,265 W

**EXTERIOR LIGHTING POWER ALLOWANCE**

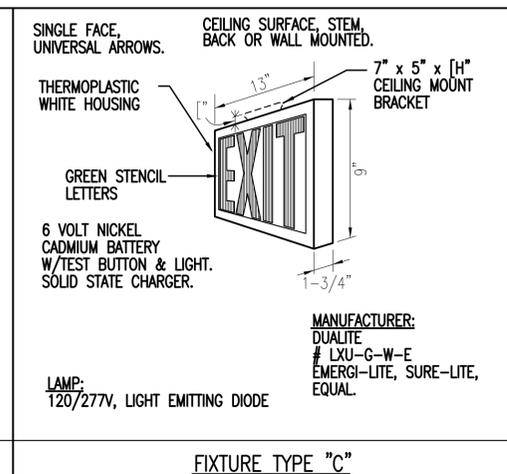
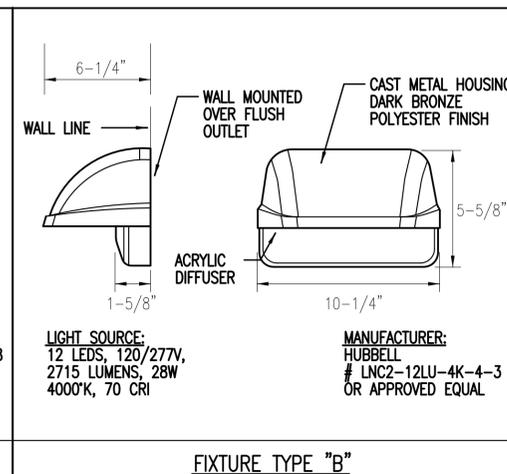
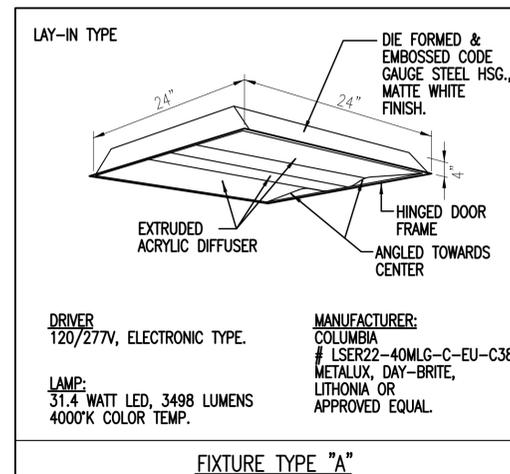
ELPA = ELUPA X GLA  
WHERE  
ELPA = EXTERIOR LIGHTING POWER ALLOWANCE (W)  
EULPA = EXTERIOR UNIT LIGHTING POWER ALLOWANCE  
GLA = GROSS LIGHTED AREA

	EULPA	GLA	ELPA	INSTALLED
ENTRY	20 W/LF	3 LF	60 W	28 W
			60 W	28 W

**INTERIOR LIGHTING POWER ALLOWANCE**

ILPA = ULPA x GLA  
WHERE  
ILPA = INTERIOR LIGHTING POWER ALLOWANCE (W)  
ULPA = UNIT POWER LIGHTING ALLOWANCE (W/FT.<sup>2</sup>)  
GLA = GROSS LIGHTED AREA (FT.<sup>2</sup>)

ILPA = 0.82 W/FT.<sup>2</sup> x 2,697 FT.<sup>2</sup> = 2,212 W  
INSTALLED = 31: (39 FIXT. x 31 WATTS/FIXT.) = 1,209 W  
28: (2 FIXT. x 28 WATTS/FIXT.) = 56 W  
1,265 W



**BRIAN T. ITOZAKI**  
LICENSED PROFESSIONAL ENGINEER  
No. 9058-E  
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

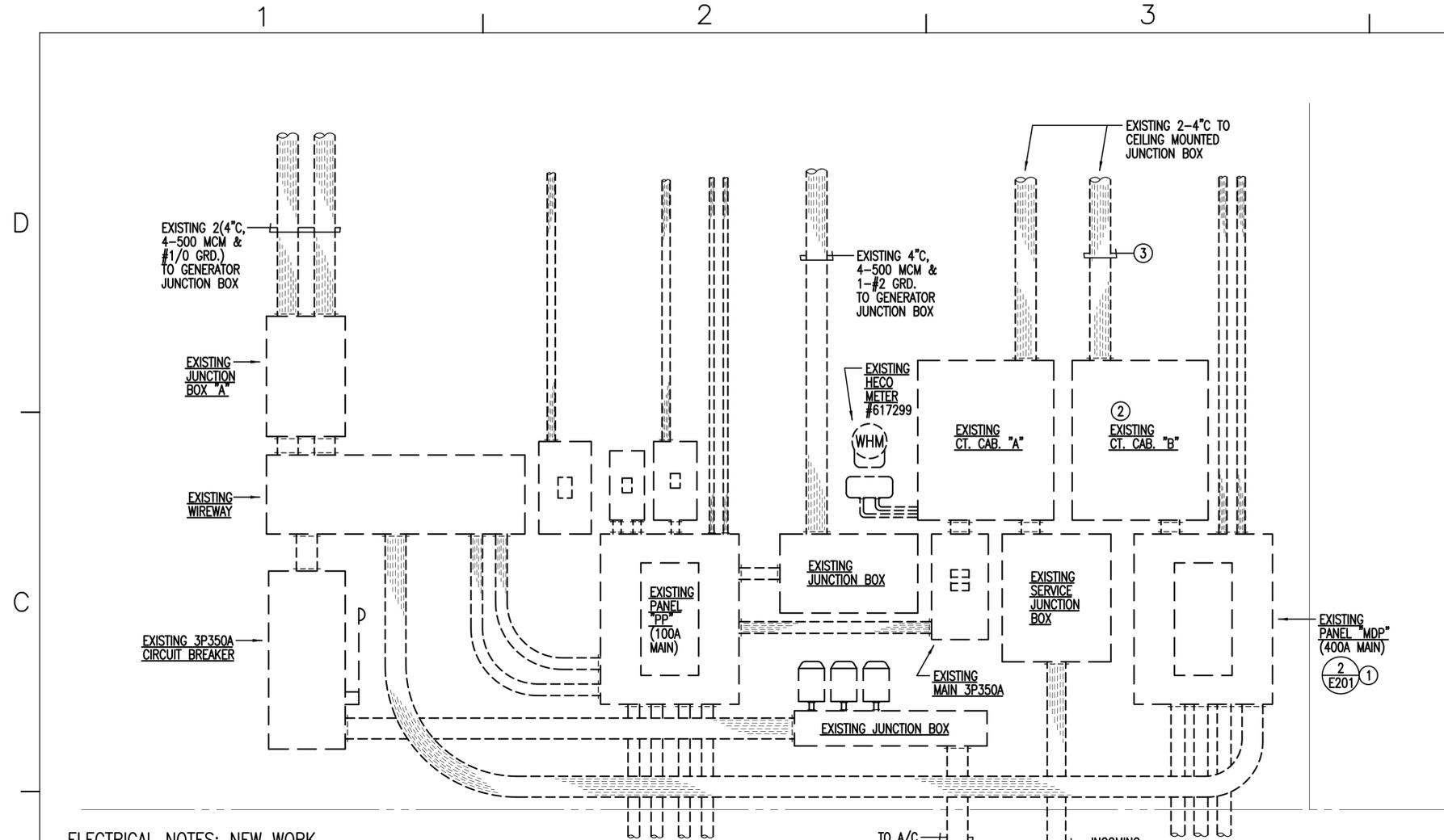
DATE	DESCRIPTION	SYN	APPR

DEPARTMENT OF DEFENSE  
HAWAII ARMY NATIONAL GUARD  
DESIGN AND PROJECT MANAGEMENT BRANCH  
CONTRACTING & ENGINEERING OFFICE  
HONOLULU, HAWAII  
PROJECT STATION RENOVATION  
BUSINESS RECOVERY CENTER  
SYMBOL LIST, GENERAL NOTES

SCALE: AS NOTED  
STATE JOB NO. CA-1701-C  
FEDERAL PROJECT NO.  
SHEET OF E001







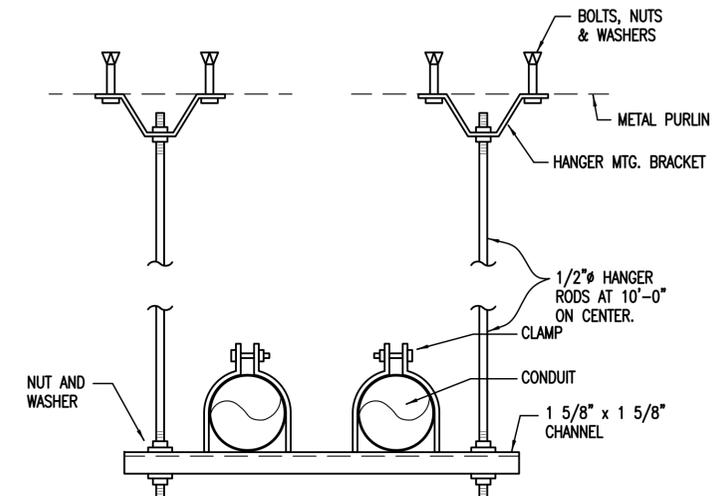
**ELECTRICAL NOTES: NEW WORK**

- ① PROVIDE NEW PANEL "BRC" FEEDER BREAKER.
- ② INSTALL NEW PANEL "BRC" FEEDER THROUGH CABINET.
- ③ INSTALL NEW PANEL "BRC" FEEDER THROUGH EXISTING 4°C.

① ELEVATION - EXISTING SERVICE EQUIPMENT (NEW WORK)  
E202 NOT TO SCALE

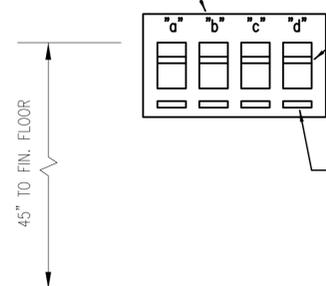
**PRODUCT SPECIFICATIONS:**

MODEL: TYPE PP10 W/ CHANNEL OR "PRE-APPROVED EQUAL".  
 MANUFACTURER: PORTABLE PIPE SUPPORTS OR "PRE-APPROVED EQUAL".  
 BASES: HIGH DENSITY POLYPROPYLENE PLASTICS & OTHER ADDITIVES FOR UV PROTECTION.  
 HEIGHT: ADJUSTABLE.  
 HDG OR STAINLESS THREADED RODS, NUTS, AND WASHERS.



③ DETAIL - CONDUIT SUPPORT  
E202 NOT TO SCALE

COMMON DEVICE PLATE  
FOUR GANG PLATE, IVORY



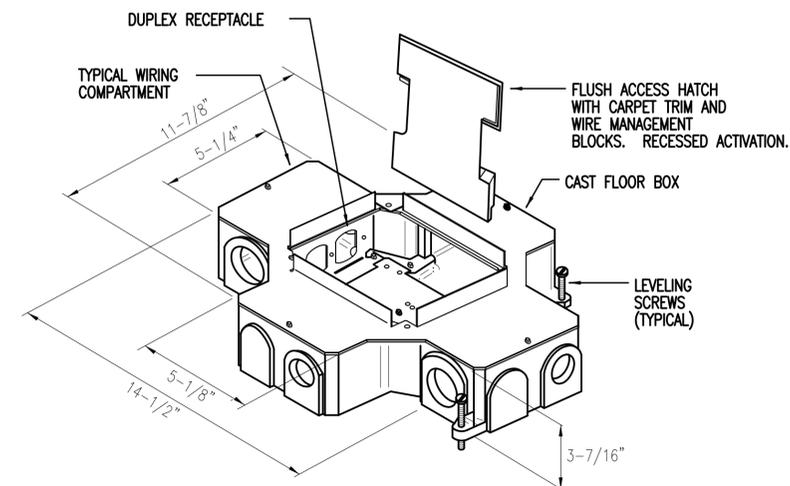
SLIDE DIMMER SWITCHES  
PROVIDE 1P, 600W  
PRE-SET DIMMER SLIDE  
WITH ON-OFF SWITCH  
LUTRON # DV-600P  
SECTIONS INTACT  
OR APPR. EQUAL

TYPICAL NAMEPLATE  
1/16" THK. LAMINATED  
PLASTIC WITH 1/8" HIGH  
WHITE LETTERS ON  
BLACK BACKGROUND

SWITCH	SWITCH TYPE	NAMEPLATE
"a"	DIMMER SWITCH	OPEN WORK AREA
"b"	DIMMER SWITCH	OPEN WORK AREA
"c"	DIMMER SWITCH	PRIVATE WORK AREA
"d"	DIMMER SWITCH	STORAGE

**NOTE:**  
VERIFY SWITCH NAMEPLATE DESIGNATIONS  
WITH ARCHITECT.

② SWITCHBANK "A" ELEVATION  
E202 NOT TO SCALE



2 & 3-GANG SYMBOL ON PLAN:

**MANUFACTURER:**  
WALKER MULTISERVICE BOX  
FLOOR BOX: RFB4-CI, 3-7/16" H.  
FLUSH ACCESS HATCH W/TRIM: RAKMII  
PROVIDE ONE (1) RECEPTACLE BRACKET (# CIHT-D) FOR  
EACH RECEPTACLE OUTLET AND ONE (1) DATA BRACKET  
(# RFB-3T-SS) FOR EACH TEL./DATA OR DATA OUTLET.  
WALKER, STEEL CITY OR APPROVED EQUAL

④ FLOOR MOUNTED OUTLET BOX  
E202 NOT TO SCALE



DC BOWERS & KUBOTA CONSULTING



Signature: *Brian T. Itozaki*  
Expiration Date of the License: 04/30/2018

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

DATE	SYN	DESCRIPTION	APPR	SEAL

100% BID-SET

SUBMITAL DATE: 05/12/17

SM KN BI

DEPARTMENT OF DEFENSE  
HAWAII ARMY NATIONAL GUARD  
CONTRACTING & ENGINEERING OFFICE  
DESIGN AND PROJECT MANAGEMENT BRANCH  
HONOLULU, HAWAII  
PROJECT STATION RENOVATION  
**BUSINESS RECOVERY CENTER**  
ELEVATIONS AND DETAILS

SCALE: AS NOTED

STATE JOB NO. CA-1701-C

FEDERAL PROJECT NO.

SHEET OF

**E202**







