

FORT RUGER BUILDING 300A - OFFICE IMPROVEMENT

FEDERAL PROJECT NUMBER: 15150013 / STATE PROJECT NUMBER CA-1502-C
 FOR THE STATE OF HAWAII, DEPARTMENT OF DEFENSE, HAWAII ARMY NATIONAL GUARD

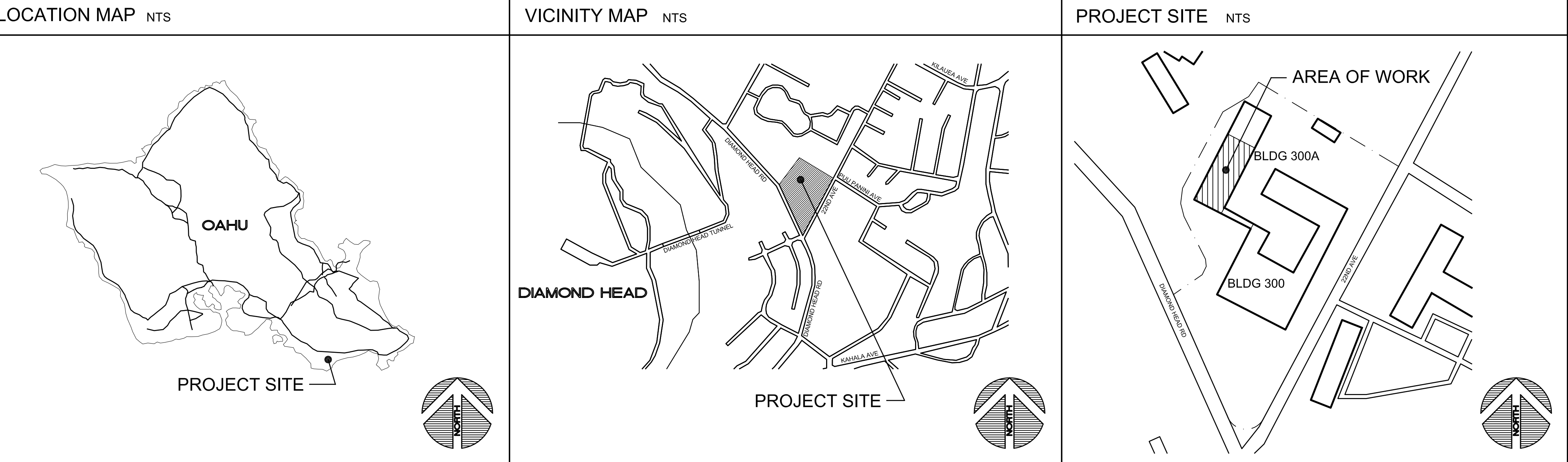


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 A/E INFO

EXP: 4/30/2016
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BUILDING CODE SUMMARY	PROJECT INFORMATION	PROJECT TEAM	ZONING CODE SUMMARY
<p>APPLICABLE CODES AND STANDARDS:</p> <p>2006 INTERNATIONAL BUILDING CODE (IBC) AS ADOPTED BY THE CITY AND COUNTY OF HONOLULU</p> <p>2012 NFPA 1: UNIFORM FIRE CODE (UFC) AS ADOPTED BY THE CITY AND COUNTY OF HONOLULU</p> <p>2006 UNIFORM PLUMBING CODE (UPC) WITH STATE AMENDMENTS</p> <p>2008 NATIONAL ELECTRICAL CODE (NEC) AS ADOPTED BY THE CITY AND COUNTY OF HONOLULU</p> <p>2006 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) AS ADOPTED BY THE CITY AND COUNTY OF HONOLULU</p> <p>UNIFIED FACILITIES CRITERIA (UFC) UFC 1-200-01 GENERAL BUILDING REQUIREMENTS, 01 JULY 2013 UFC 1-200-02 HIGH PERFORMANCE AND SUSTAINABLE BUILDING REQUIREMENTS, 01 MARCH 2013 UFC 1-300-09N DESIGN PROCEDURES, 01 MAY 2014 UFC 3-101-01 ARCHITECTURE, 28 NOVEMBER 2011 UFC 3-120-10 INTERIOR DESIGN UFC 3-600-01 FIRE PROTECTION</p> <p>NATIONAL GUARD DESIGN GUIDES AND STANDARDS (DG) DG 415-1 READINESS CENTERS DESIGN GUIDE, 01 JUNE 2011 DG 415-5 GENERAL FACILITIES INFORMATION DESIGN GUIDE, 01 JUNE 2011, APPENDIX A NG PAM 415-12 FACILITIES ALLOWANCES, 01 JUNE 2011</p> <p>2010 ADA STANDARDS FOR ACCESSIBLE DESIGN</p> <p>TRADE STANDARDS: AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS (ASHRAE) 90.1 SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA) AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM)</p> <p>TYPE OF CONSTRUCTION: VB - EXISTING, NO CHANGE IN CONSTRUCTION</p> <p>FIRE SPRINKLER: NONE, NOT REQUIRED BY OCCUPANCY TYPE</p> <p>OCCUPANCY GROUP: B (EXISTING USE, TO REMAIN)</p> <p>NUMBER OF STORIES: 1 STORY (EXISTING, NO CHANGE)</p> <p>FLOOR AREA (EXISTING): 11,286 SF NOTE: NO CHANGE IN FLOOR AREA TO EXISTING BUILDING.</p>	<p>PROJECT NAME: RENOVATION OF BUILDING 300A</p> <p>OWNER: DEPARTMENT OF DEFENSE</p> <p>TAX MAP KEY: 3-1-042:040</p> <p>PROJECT ADDRESS: 4087 DIAMOND HEAD RD. FORT RUGER, HONOLULU, HI 96816</p> <p>SUMMARY OF WORK: RENOVATIONS TO THE INTERIOR & EXTERIOR OF BUILDING 300A</p>	<p>ARCHITECT: FERRARO CHOI AND ASSOCIATES LTD. 1240 ALA MOANA BOULEVARD, SUITE 510 HONOLULU, HAWAII 96814 808.533.8880</p> <p>STRUCTURAL ENGINEER: LIBBEY HEYWOOD, INC. 210 WARD AVE., SUITE 122 HONOLULU, HAWAII 96814 808.531.4627</p> <p>MECHANICAL ENGINEER: INATSUKA ENGINEERING, LLC 1003 BISHOP ST, SUITE 1960 HONOLULU, HI 96813</p> <p>ELECTRICAL ENGINEER: BENNETT ENGINEERS, INC. 765 AMANA ST, SUITE 201 HONOLULU, HI 96814</p> <p>ENVIRONMENTAL: ENVIRONMETEO SERVICES, INC 94-520 UKE'E ST WAIPAHU, HI 96797</p>	<p>ZONING DISTRICT (LUO): R-10 NOTE: NO CHANGE IN FLOOR AREA, NO CHANGE IN PARKING, NO CHANGE IN USE</p> <p>FLOOD ZONE: X</p> <p>SPECIAL MANAGEMENT AREAS: N/A</p> <p>SPECIAL DESIGN DISTRICT: DIAMOND HEAD</p> <p>STATE LAND USE: URBAN DISTRICT</p> <p>HISTORIC REGISTER: NO</p> <p>LOT RESTRICTIONS: NONE</p> <p>HEIGHT LIMIT: 25 FT, NO CHANGE IN HEIGHT</p> <p>STREET SETBACK: 30 FT FRONT, 15 FT SIDE & REAR, NO CHANGE</p> <p>LOT AREA: 5 ACRES, 226,525 SQ FT</p> <p>FLOOR AREA (LUO): EXISTING, NO CHANGE IN AREA</p> <p>EXISTING USES: OFFICE - CIVIC ADMINISTRATION, NO CHANGE IN USE</p>

INDEX TO DRAWINGS			
<p>GENERAL: T0.01 - TITLE SHEET T0.02 - ABBREVIATIONS, SYMBOLS & GENERAL NOTES G0.01 - LIFE, SAFETY, EGRESS PLAN</p> <p>ARCHITECTURE: A1.01 - DEMOLITION FLOOR PLAN A1.02 - DEMOLITION REFLECTED CEILING PLAN A2.01 - FLOOR PLAN A2.02 - REFLECTED CEILING PLAN A2.03 - FURNITURE PLAN A3.01 - EXTERIOR ELEVATIONS & CROSS SECTION A7.01 - INTERIOR ELEVATIONS A7.02 - INTERIOR ELEVATIONS A7.03 - INTERIOR ELEVATIONS A7.04 - INTERIOR ELEVATIONS</p>	<p>ARCHITECTURE CONTINUED: A7.05 - INTERIOR ELEVATIONS A8.01 - WINDOW & FINISH SCHEDULES A8.02 - DOOR SCHEDULE A9.01 - WALL TYPES & SECTIONS, DETAILS A9.02 - WINDOW & DOOR DETAILS A9.03 - DETAILS A9.04 - PENETRATION DETAILS A9.05 - SIGNAGE A9.06 - SIGNAGE</p> <p>STRUCTURAL: S1.01 - DEMOLITION NOTES & DETAIL</p> <p>MECHANICAL: M0.01 - LEGEND, ABBREVIATIONS & NOTES M0.02 - SCHEDULES</p>	<p>MECHANICAL CONTINUED:</p> <p>ELECTRICAL: E0.01 - ELECTRICAL LEGEND & NOTES, LUMINAIRE SCHEDULE ED1.01 - POWER & OUTLETS DEMOLITION PLAN ED1.02 - LIGHTING DEMOLITION PLAN E1.01 - POWER & OUTLETS PLAN E1.02 - LIGHTING PLAN E2.01 - ONE-LINE DIAGRAMS, DATA CABLING DIAGRAM, OCCUPANCY SENSOR DIAGRAM E3.01 - PANEL SCHEDULES, ELECTRICAL DETAILS</p>	<p>MECHANICAL CONTINUED: MD1.01 - DEMOLITION PLAN M1.01 - FLOOR PLAN M2.01 - DIAGRAMS M3.01 - DETAILS M3.02 - DETAILS</p>



ACCESSIBILITY STATEMENT:

CONFORMANCE WITH THE DESIGN AND CONSTRUCTION REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES ADMINISTERED BY THE DEPARTMENT OF JUSTICE SHALL BE EQUIVALENT TO MEETING THE ACCESSIBILITY OF THIS CODE. CONSTRUCTION OF PUBLIC BUILDINGS OR FACILITIES IN COMPLIANCE WITH HRS 103-50 SHALL BE EQUIVALENT TO MEETING THE ACCESSIBILITY OF THIS CODE.

NO.	DATE	DESCRIPTION

100% FINAL DESIGN

12-18-15

DES	JD	DRW	FCA	CHK	TM

DEPARTMENT OF DEFENSE
 DESIGN AND PROJECT MANAGEMENT BRANCH
 HAWAII ARMY NATIONAL GUARD
 FORT RUGER BUILDING 300A - OFFICE IMPROVEMENTS
 4087 DIAMONDHEAD RD HONOLULU, HI 96816
 TMK: 3-1-042:040

SCALE: VARIES

STATE JOB NO. CA-1502-C
 FEDERAL PROJECT NO. 15150013
 SHEET 1 OF 36
T0.01

SYMBOLS

TITLE		TITLE IDENTIFICATION
DETAIL		SHEET WHERE DRAWING IS LOCATED
BLDG. SECTION		SECTION IDENTIFICATION
ELEVATION		SHEET WHERE SECTION IS DRAWN
ROOM IDENTIFICATION	NAME RM NO	ROOM NAME ROOM NUMBER
DOOR TYPE		DOOR TYPE DOOR NUMBER
FINISH		FINISH NUMBER FINISH TYPE
PARTITION TYPE		PARTITION NUMBER
WINDOW TYPE		WINDOW TYPE WINDOW NUMBER
INTERIOR ELEVATION		
ELEVATION PT		
NORTH ARROW		
REVISION		REVISION NUMBER
SHEET NUMBER		DISCIPLINE SEQUENCE NUMBER MAJOR GROUP
AND	&	
AT	@	
NUMBER	#	
ANGLE	<	
CENTER LINE	⊥	
PERPENDICULAR	⊥	
DIAMETER OR ROUND	∅	

ABBREVIATIONS

A	A.F.F. ABOVE FINISH FLOOR AL. ALUMINUM ALT. ALTERNATE A.P. APPROX. ARCH. B BD. BOARD BLDG. BUILDING BLK. BLOCK BLKG. BLOCKING BM. BEAM BOT. BOTTOM C C.J. CONTROL JOINT CLKG. CAULKING CLR. CLEAR C.M.U. CONCRETE MASONRY UNIT CONC. CONCRETE COND. CONDITION CONN. CONNECTION CONSTR. CONSTRUCTION CONT. CONTINUOUS CONTR. CONTRACTOR CTR. CENTER D DBL. DOUBLE DIA. DIAMETER DIM. DIMENSION DN. DOWN DWG. DRAWING E E. EAST (E) EXISTING E.A. EACH E.F. EXTERIOR FINISH ELEC. ELECTRICAL ELEV. ELEVATOR E.P. ELECTRICAL PANEL EQ. EQUAL EQPM. EQUIPMENT EXIST. EXISTING EXPO. EXPOSED EXT. EXTERIOR F F.E. FIRE EXTINGUISHER F.E.C. FIRE EXTINGUISHER/ HOSE CABINET F.F. FACTORY FINISH F.F.EL. FINISH FLOOR ELEVATION FIN. FINISH FL. FLOOR F.O.F. FACE OF FINISH F.O.M. FACE OF MASONRY F.O.S. FACE OF STUD FR. FRAME F.S. FINISH SYSTEM FT. FOOT OR FEET F.C.U. FAN COIL UNIT G GA. GAUGE GALV. GALVANIZE G.B. GRAB BAR GL. GLASS GND. GROUND GR. GRADE GYP. GYPSUM H H. HEIGHT/HIGH H.C. HOLLOW CORE HDWB. HARDWOOD H.M. HOLLOW METAL HORIZ. HORIZONTAL HR. HOUR H.V.A.C. HEATING, VENTILATION & AIR CONDITIONING HW. HOT WATER I I.D. INSIDE DIAMETER INCL. INCLUSIVE OR INCLUDED INSUL. INSULATION INT. INTERIOR J JAN. JANITOR JST. JOIST JT. JOINT K KIT. KITCHEN	L LAB. LABORATORY LAM. LAMINATE LAV. LAVATORY L.F. LINEAL FEET LT. LIGHT M MAT. MATERIAL MAX. MAXIMUM M.D. METAL DECK MECH. MECHANICAL MET. METAL MFR. MANUFACTURER MIN. MINIMUM MISC. MISCELLANEOUS M.O. MASONRY OPENING MTD. MOUNTED MTG. MOUNTING MUL. MULLION N N. NORTH N.I.C. NOT IN CONTRACT NO.; # NUMBER NOM. NOMINAL N.T.S. NOT TO SCALE O O.A. OVERALL OBS. OBSURE O.C. ON CENTER O.D. OUTSIDE DIAMETER O.F.C.I. OWNER FURNISHED CONTRACTOR INSTALLED O.F.O.I. OWNER FURNISHED OWNER INSTALLED OFF. OFFICE O.H. OVERHANG OPNG. OPENING OPP. OPPOSITE OVHD. OVERHEAD P P. PAINT P.C. PIECE PL. PLATE P-LAM. PLASTIC LAMINATE PLAS. PLASTER PLBC. PLUMBING PLYWD. PLYWOOD PNL. PANEL PR. PAIR P.T.D. PAPER TOWEL DISPENSER PART. PARTITION P.T.R. PAPER TOWEL RECEPTACLE R R. RISER RAD. RADIUS REF. REFERENCE REFR. REFRIGERATOR REINF. REINFORCED OR REINFORCING REQD. REQUIRED REV. REVISED RESIL. RESILIENT R.H. ROBE HOOK RM. ROOM R.O. ROUGH OPENING S S. SOUTH S.A. SINGLE ACTING S.C. SOLID CORE S.C.D. SEAT COVER DISPENSER SCHED. SCHEDULE S.D. SOAP DISPENSER SECT. SECTION SHT. SHEET SHWR. SHOWER SIM. SIMILAR SL. SLOPE S.N.D. SANITARY NAPKIN DISPENSER S.N.R. SANITARY NAPKIN RECEPTACLE SPEC. SPECIFICATION SQ. SQUARE SST. STAINLESS STEEL S.SK. SERVICE SINK STD. STANDARD STL. STEEL STOR. STORAGE STRUCT. STRUCTURAL SURR. SURROUND SUSP. SUSPENDED SYM. SYMMETRICAL SYS. SYSTEM	T T. TREAD T.B. TOWEL BAR TEL. TELEPHONE TEMP. TEMPERED T&G. TONGUE AND GROOVE THK. THICK THR. THRESHOLD TKBD. TACKBOARD TOIL. TOILET T.P.D. TOILET PAPER DISPENSER T.P.H. TOILET PAPER HOLDER T.V. TELEVISION TYP. TYPICAL U UNFIN. UNFINISHED U.O.N. UNLESS OTHERWISE NOTED UR. URINAL V V.C.T. VINYL COMPOSITION TILE VERT. VERTICAL VEST. VESTIBULE VIF. VERIFY IN FIELD VIR. VENT TO ROOF W W. WIDTH W. WITH W.C. WATER CLOSET WD. WOOD WDW. WINDOW WH. WATER HEATER W.O. WHERE OCCURS W/O. WITHOUT WP. WATERPROOF WR. WATER RESISTANT WT. WEIGHT W.W.M. WELDED WIRE MESH
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MATERIAL INDICATIONS

	CONCRETE CAST IN PLACE OR PRECAST		WOOD, FINISH
	C.M.U. CONCRETE BLOCK		WOOD FRAMING THROUGH MEMBER
	RIGID INSULATION		WOOD FRAMING INTERRUPTED MEMBER
	BATT INSULATION		
	PLYWOOD		
	COVER BOARD		
	GYPSUM BOARD		
	STEEL (OMIT INDICATION IN THIN MATERIAL)		
	ALUMINUM (OMIT INDICATION IN THIN MATERIAL)		

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (IBC) 2006 EDITION, AS LOCALLY ADOPTED, AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES.
- KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS, CONSTRUCTION DEBRIS, RUBBISH AND DISPOSE OF THE PRECEEDING LAWFULLY AND IN ACCORDANCE WITH THE CONSTRUCTION WASTE MANAGEMENT PLAN.
- ALL WORK SHALL BE PERFORMED IN A MANNER THAT PROTECTS BUILDING OCCUPANTS, VISITORS AND THEIR POSSESSIONS. INSTALL VISQUEEN WITH TAPED EDGES (MIN.) BETWEEN CONSTRUCTION AREA AND ADJACENT SPACES UNTIL CLOSURE IS COMPLETE.
- IF THE CONTRACTOR SHALL PERFORM WORK CAUSING UNIQUE NOISE, ODORS OR OTHER DISTURBANCES OUTSIDE OF REGULAR BUSINESS HOURS, SUCH WORK SHALL BE SCHEDULED WITH OWNER AND BUILDING MANAGEMENT.
- CONTRACTOR SHALL BE AWARE THAT AREAS ADJACENT TO THE AREA OF WORK WILL BE OCCUPIED, NO WORK SHALL AFFECT ADJACENT SPACES, OCCUPANTS, AND THEIR OPERATIONS
- ALL DIMENSIONS ARE TO FACE OF GYP. BD. UNLESS OTHERWISE NOTED.
- ALL WORK SHALL BE CONFINED TO THE DESIGNATED PROJECT LIMITS EXCEPT FOR ANY REMOTE MECHANICAL AND ELECTRICAL ITEMS. ANY DAMAGE CAUSED BY THE CONTRACTOR TO THE ADJOINING IMPROVEMENTS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OR HER EXPENSE.
- ALL ITEMS INDICATED "TO REMAIN" SHALL BE PROTECTED DURING THE CONSTRUCTION PERIOD.
- WALLS MUST BE PLUMB AND CORNERS AT 90 DEGREES U.O.N.
- THE INTENT OF THE DRAWINGS IS TO PRODUCE THE INTENDED RESULTS UNDER RECOGNIZED STANDARDS EVEN IF NOT SHOWN, BUT REASONABLY INFERABLE THEREFROM. THE CONTRACTOR SHALL CHECK ALL DRAWINGS FURNISHED TO HIM/HER IMMEDIATELY UPON THEIR RECEIPT AND SHALL PROMPTLY NOTIFY THE ARCHITECTS OF ANY DISCREPANCIES. LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS, AND DETAILS TAKE PRECEDENT OVER ALL. THE CONTRACTOR SHALL COMPARE ALL DRAWINGS AND VERIFY THE DETAILS BEFORE LAYING OUT THE WORK AND SHALL BE RESPONSIBLE FOR ANY ERRORS WHICH MIGHT HAVE BEEN AVOIDED THEREBY.
- ALL WOOD WITHIN PARTITIONS SHALL BE FIRE RETARDANT TREATED.
- FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE IN ACCORDANCE WITH N.F.P.A.I., THE FIRE CODE OF THE CITY AND COUNTY OF HONOLULU.
- THE INSTALLATION, MAINTENANCE, SELECTION, AND DISTRIBUTION OF PORTABLE FIRE EXTINGUISHERS SHALL BE IN ACCORDANCE WITH NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS, AND SECTION 13.6. 2006 NFPA1. MINIMUM 2A-10B:C PORTABLE FIRE EXTINGUISHER(S) WITHIN A MAXIMUM 75 FEET TRAVEL DISTANCE IN ACCORDANCE WITH N.F.P.A. 10.
- REFER TO ELECTRICAL DRAWINGS FOR CHANGES TO LIGHT FIXTURES AND EXIT SIGNS.
- ALL EQUIPMENT AND WIRING (COMMUNICATION, POWER, ETC.) INSTALLED IN A PLENUM SHALL BE LISTED FOR INSTALLATION IN SUCH AREAS.
- GC MUST NOTIFY BUILDING OWNER, 72 HOURS IN ADVANCE OF ANY WORK REQUIRING ELECTRICAL, MECHANICAL AND PLUMBING INTERRUPTIONS.
- ALL PENETRATIONS IN FIRE RATED PARTITIONS SHALL BE SEALED. PROVIDE APPROPRIATE FIRE STOPPING AT PENETRATIONS THROUGH EXISTING & NEW FIRE RATED WALLS, AS REQUIRED.



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DES. JD DWG. FCA CHK. TM

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ABBREVIATIONS AND SYMBOLS

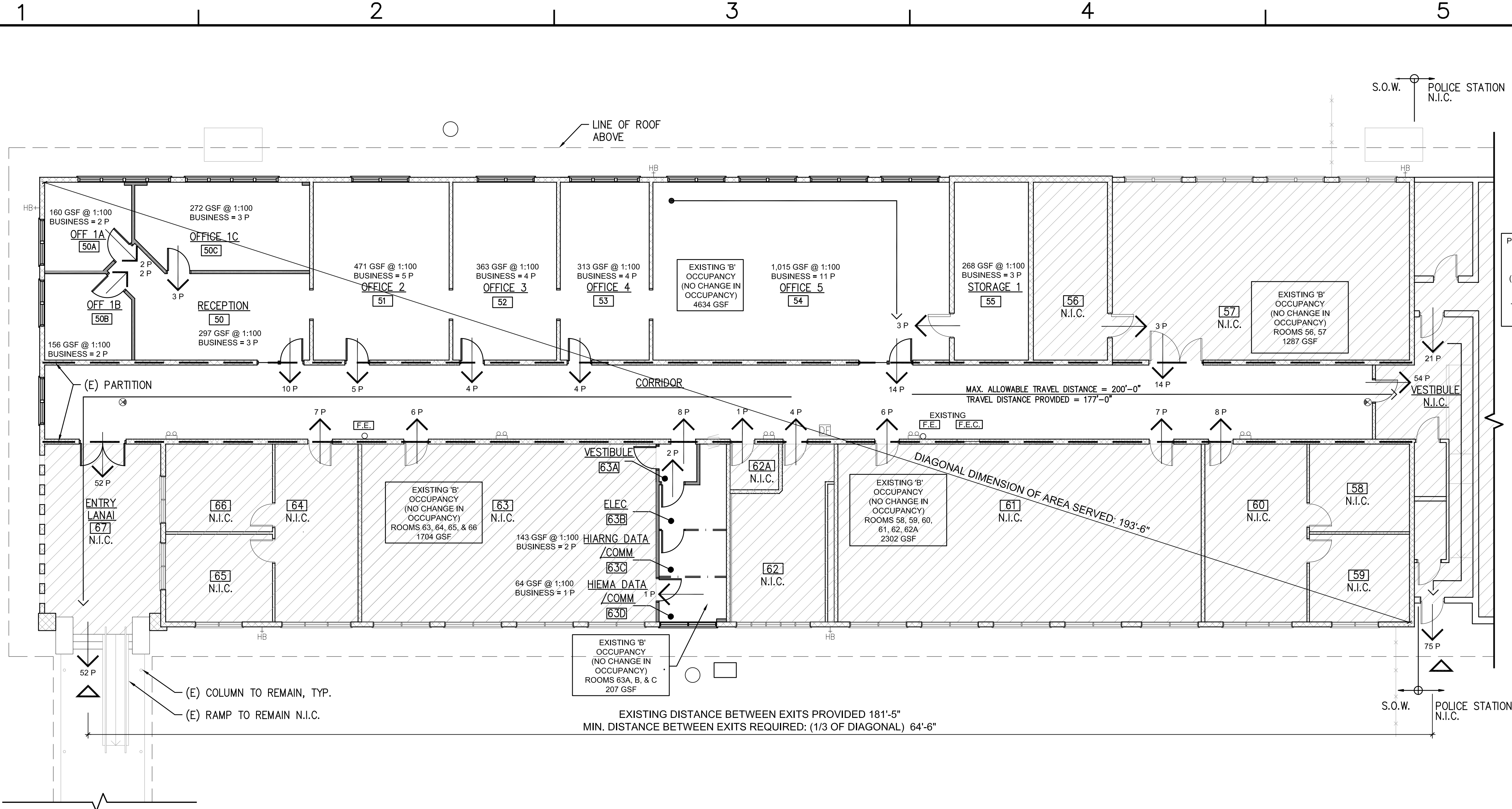
SCALE: VARIES

STATE JOB NO. CA-1502-C

FEDERAL PROJECT NO. 15150013

SHEET 2 OF 36

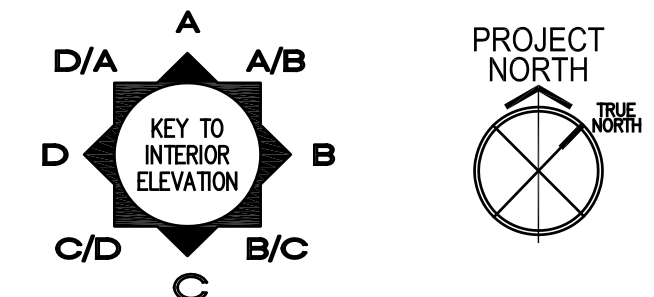
T0.02



1 EGRESS ANALYSIS PLAN
 GO.01 SCALE: 1/8" = 1'-0"

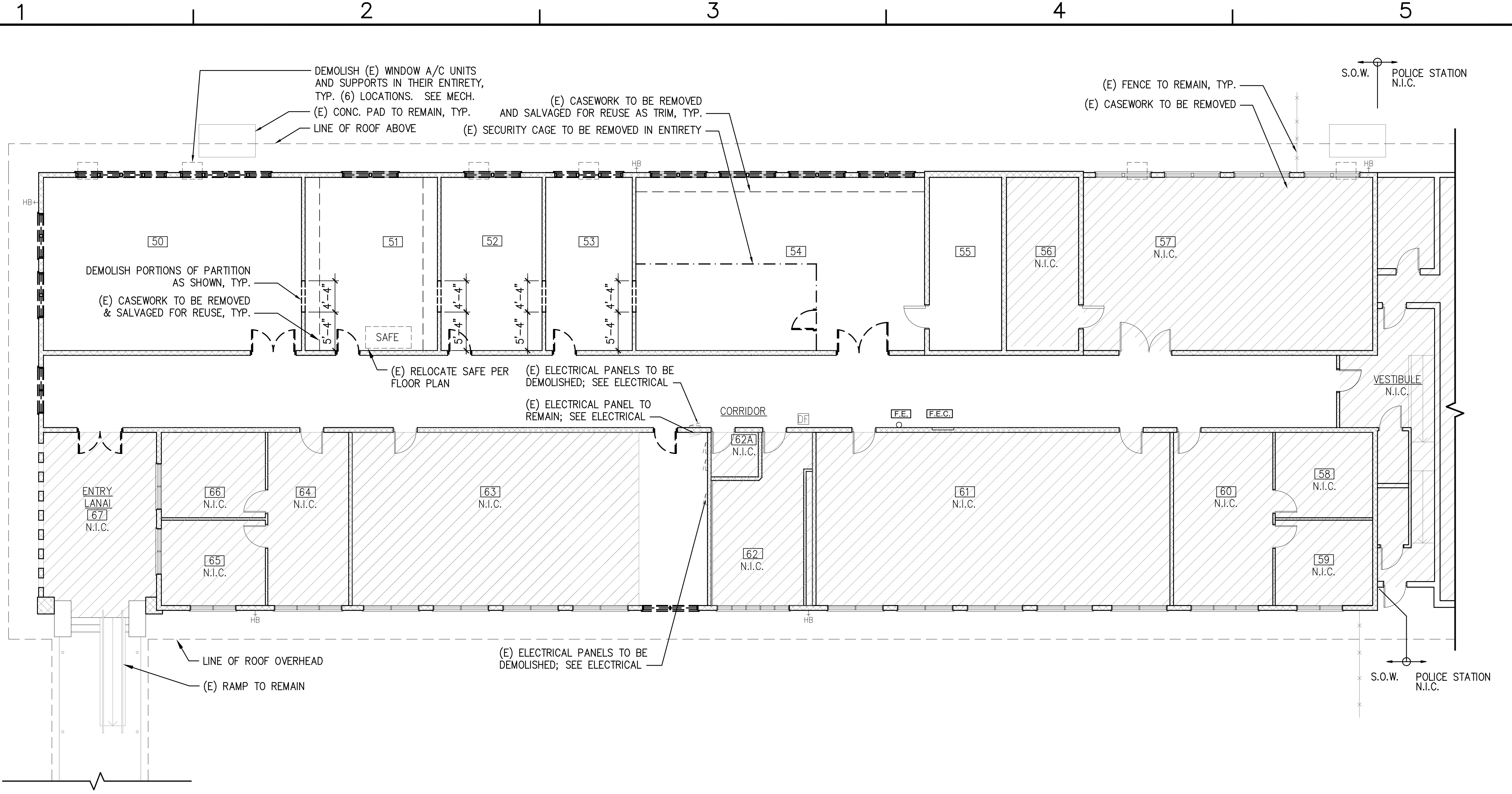
PLAN LEGEND

- EXISTING WALL/PARTITION TO REMAIN
- NEW PARTITION/INFILL WALL
- EXISTING DOOR TO REMAIN
- NEW DOOR - REFER TO DOOR SCHEDULE FOR MORE INFORMATION
- AREA NOT IN CONTRACT (N.I.C.)
- EXISTING EXIT SIGN TO REMAIN
- EXISTING EMERGENCY LIGHT TO REMAIN
- FIRE EXTINGUISHER
- EXISTING WALL RECESSED FIRE HOSE CABINET
- FIRE DEPARTMENT ACCESS
- 1 HR FIRE RATED
- EXIT ACCESS OR DISCHARGE (NUMBER OF PEOPLE)
- EXIT ACCESS TRAVEL DISTANCE, EXIT ACCESS PATH



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SUBMITTAL PHASE 100% FINAL DESIGN	SUBMITTAL DATE 12-18-15
DEPARTMENT OF DEFENSE DESIGN AND PROJECT MANAGEMENT BRANCH HAWAII ARMY NATIONAL GUARD FORT RUGER BUILDING 300A - OFFICE IMPROVEMENTS 4087 DIAMONDHEAD RD HONOLULU, HI 96816 TMK: 3-1-042,040	STATE OF HAWAII FACILITY MANAGEMENT OFFICE LIFE, SAFETY, EGRESS PLAN
SCALE: 1/8" = 1' - 0"	STATE JOB NO. CA-1502-C FEDERAL PROJECT NO. 15150013 SHEET 3 OF 36
G0.01	



1
A101 DEMOLITION FLOOR PLAN
SCALE: 1/8"=1'-0"

DEMOLITION FLOOR PLAN LEGEND

	EXISTING WALL/PARTITION TO REMAIN		EXISTING WINDOW TO REMAIN
	EXISTING PARTITION/CASEWORK TO BE REMOVED		EXISTING WINDOW TO BE REMOVED
	EXISTING FENCE TO REMAIN		AREA NOT IN CONTRACT
	EXISTING DOOR TO REMAIN		EXISTING HOSE BIB TO REMAIN
	EXISTING DOOR TO BE REMOVED		FIRE EXTINGUISHER
	EXISTING DRINKING FOUNTAIN TO REMAIN		EXISTING WALL RECESSED FIRE HOSE CABINET

- DEMOLITION FLOOR PLAN NOTES**
- SALVAGE REMOVED CASEWORK FOR REUSE AS TRIM, AS FEASIBLE.
 - EXISTING DOORS TO REMAIN AS SHOWN.
 - REFER TO HAZMAT SPECIFICATION FOR EXTENT OF ABATEMENT AND TREATMENT.
 - PATCH & REPAIR CONCRETE FLOORING TO RECEIVE FLOOR FINISHES WITHIN ROOMS 50-54 AND 63.



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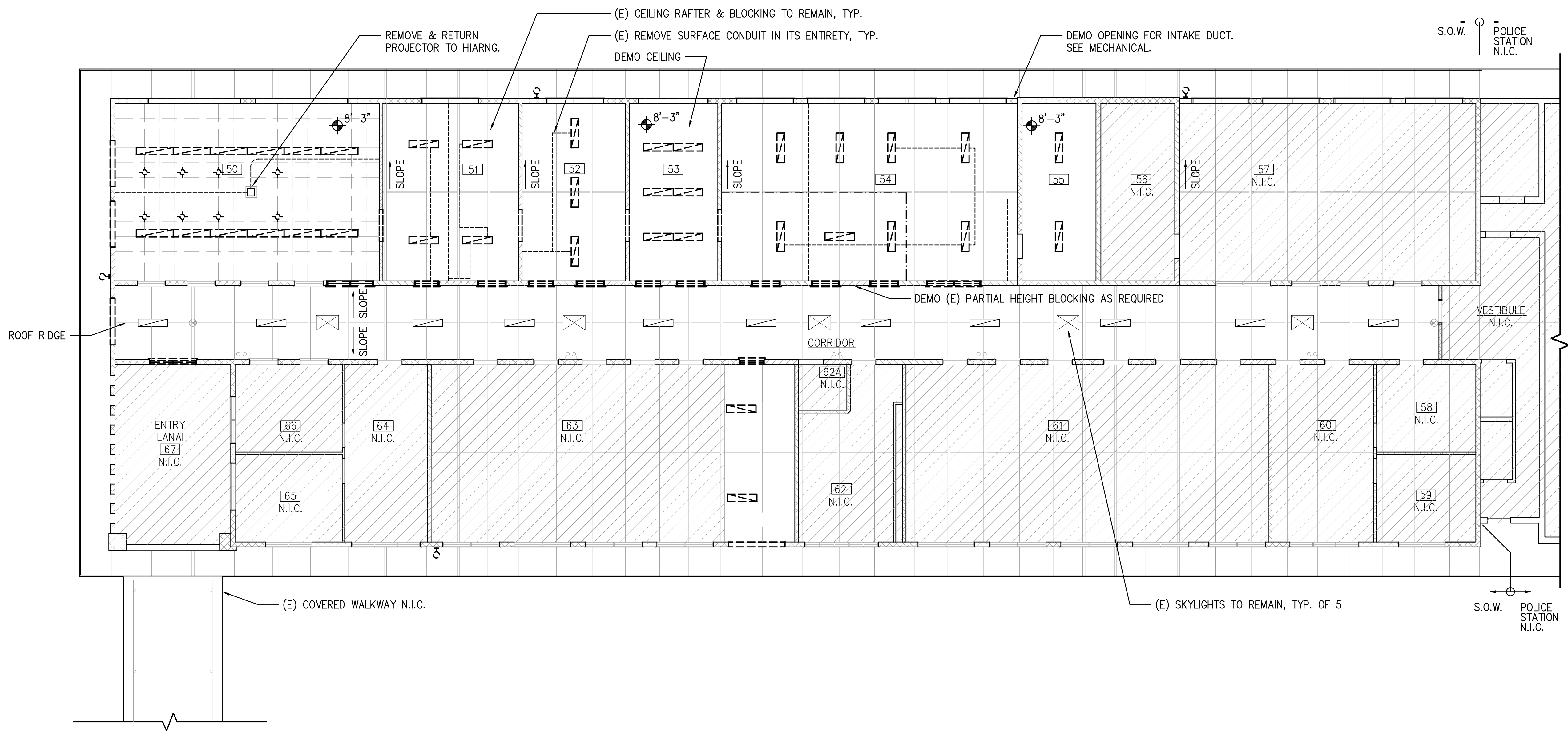
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SHEET 4 OF 36
A1.01



1 2 3 4 5

D
C
B
A



1
A102 **DEMOLITION REFLECTED CEILING PLAN**
SCALE: 1/8" = 1'-0"

DEMOLITION REFLECTED CEILING PLAN LEGEND

- | | |
|---|--|
| EXISTING WALL/PARTITION TO REMAIN | EXISTING SURFACE-MOUNTED CONDUIT TO BE REMOVED IN ITS ENTIRETY |
| EXISTING PARTITION TO BE REMOVED | EXISTING LIGHT FIXTURE TO REMAIN |
| EXISTING CLERESTORY WINDOW/TRANSOM TO BE REMOVED (INCLUDING COVER BOARDS WHERE OCCUR) | EXISTING LIGHT FIXTURE TO BE REMOVED |
| EXISTING WINDOW TO REMAIN | EXISTING SKYLIGHT TO REMAIN |
| EXISTING CEILING RAFTERS & BLOCKING TO REMAIN | EXISTING EMERGENCY LIGHT TO REMAIN |
| EXISTING CEILING GRID TO BE REMOVED | EXISTING EXIT SIGN TO REMAIN |
| EXISTING EXTERIOR LIGHT TO BE REMOVED | EXISTING DOWNLIGHT TO BE REMOVED |
| | AREA NOT IN CONTRACT |

DEMOLITION REFLECTED CEILING PLAN NOTES

1. VERIFY IN FIELD LOCATION OF ALL FIXTURES, PARTITIONS, WINDOWS, AND DOORS. NOTIFY ARCHITECT IF THERE ARE ANY DISCREPANCIES.
2. REFER TO HAZMAT SPECIFICATION FOR EXTENT OF ABATEMENT AND TREATMENT.



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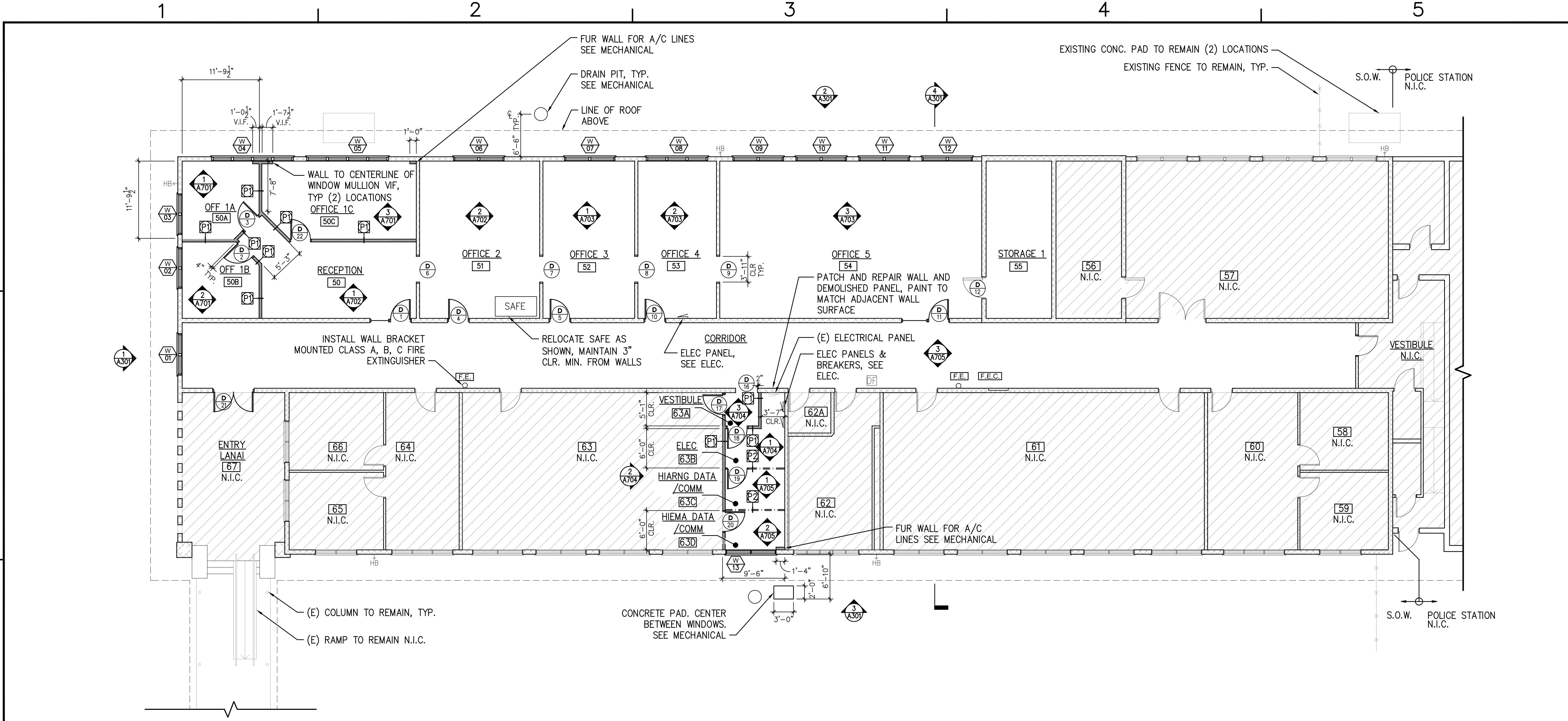
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SHEET 5 OF 36
A1.02



1 2 3 4 5

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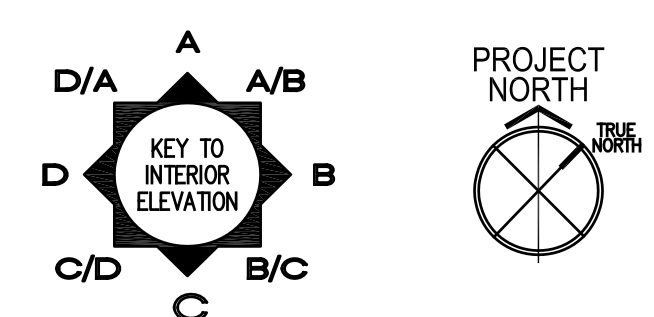
1 FLOOR PLAN
A201 SCALE: 1/8" = 1'-0"

FLOOR PLAN LEGEND

- | | | | |
|--|-----------------------------------|--|--|
| | EXISTING WALL/PARTITION TO REMAIN | | EXISTING WINDOW TO REMAIN |
| | NEW PARTITION/INFILL WALL | | NEW WINDOW |
| | EXISTING DOOR TO REMAIN | | AREA NOT IN CONTRACT (N.I.C.) |
| | NEW DOOR | | EXISTING GATE TO REMAIN |
| | EXISTING DRINKING FOUNTAIN | | EXISTING HOSE BIB |
| | PARTITION TYPE | | ELECTRICAL PANEL |
| | | | FIRE EXTINGUISHER |
| | | | EXISTING WALL RECESSED FIRE HOSE CABINET TO REMAIN |

FLOOR PLAN NOTES

- FLOORING TRANSITIONS TO OCCUR AT CENTER OF DOOR LEAF, U.O.N.
- REFER TO HAZMAT SPECIFICATION FOR EXTENT OF ABATEMENT AND TREATMENT.



HAWAII ARMY NATIONAL GUARD

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 F: 808.599.3789
 WWW.FERRAROCHOI.COM

EXP: 4/30/2016
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NO.	DATE	DESCRIPTION

SUBMITTAL PHASE: **100% FINAL DESIGN**
 SUBMITTAL DATE: 12-18-15

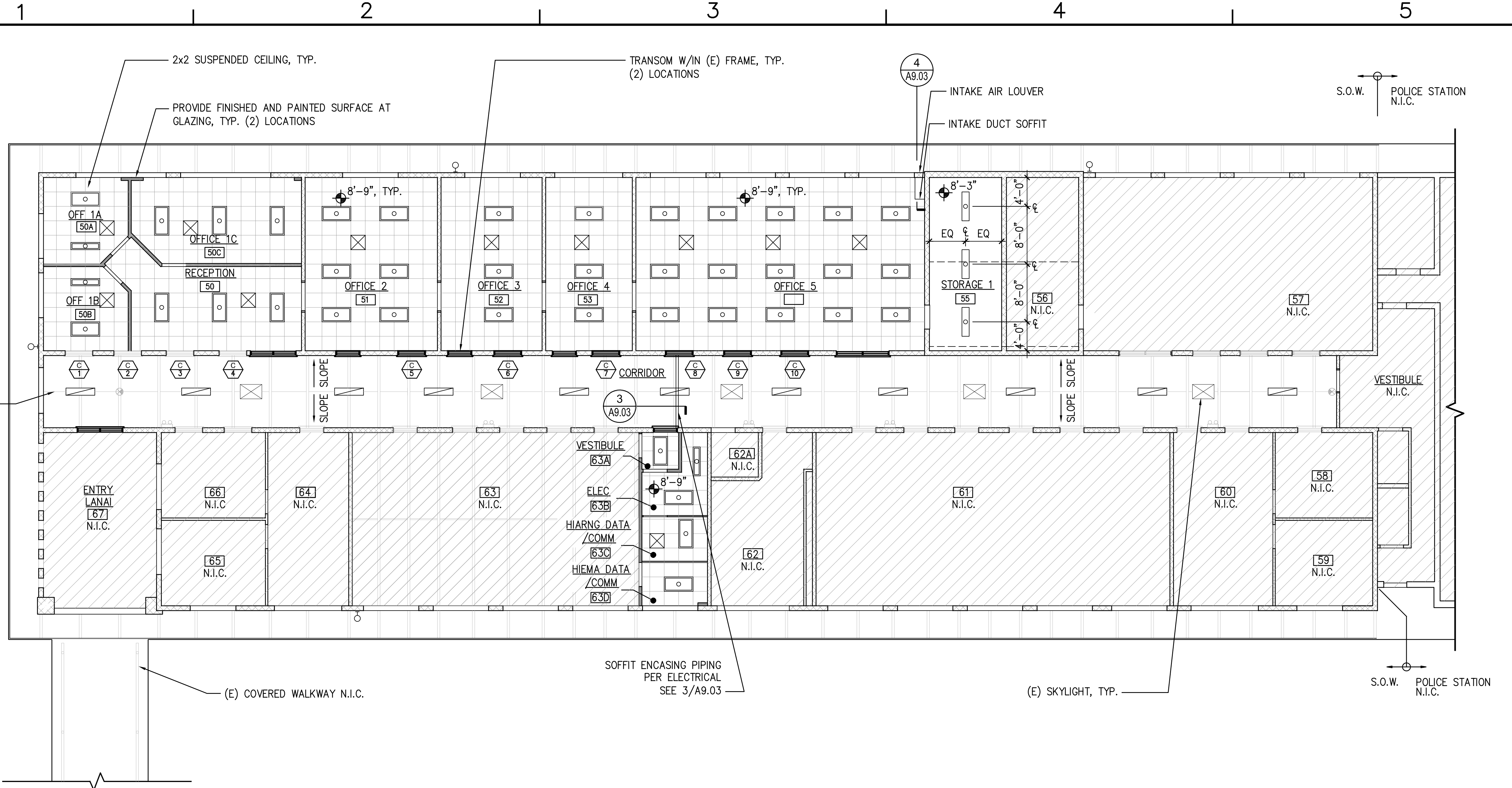
DES	JD	DRW	FCA	CHK	TM

DEPARTMENT OF DEFENSE
 DESIGN AND PROJECT MANAGEMENT BRANCH
HAWAII ARMY NATIONAL GUARD
 FACILITY MANAGEMENT OFFICE
 STATE OF HAWAII

FORT RUGER BUILDING 300A - OFFICE IMPROVEMENTS
 4087 DIAMONDHEAD RD HONOLULU, HI 96816
 TMK: 3-1-042,040

SCALE: 1/8" = 1'-0"
 STATE JOB NO. CA-1502-C
 FEDERAL PROJECT NO. 15150013
 SHEET 6 OF 36

A2.01



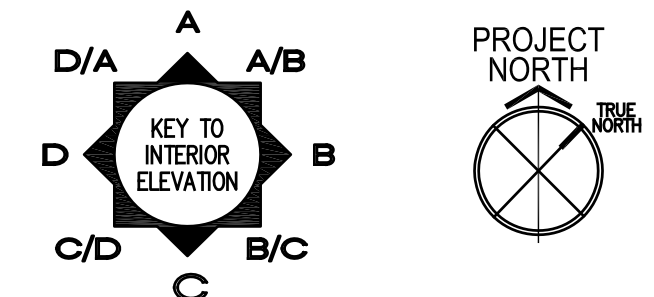
1 REFLECTED CEILING PLAN
A202 SCALE: 1/8"=1'-0"

REFLECTED CEILING PLAN LEGEND

- | | | | |
|--|--|--|-------------------------------------|
| | EXISTING WALL/PARTITION TO REMAIN | | EXISTING WINDOW TO REMAIN |
| | NEW PARTITION - REFER TO FLOOR PLAN FOR MORE INFORMATION | | NEW CLERESTORY WINDOW/TRANSOM |
| | EXISTING CEILING RAFTER TO REMAIN | | AREA NOT IN CONTRACT |
| | EXISTING SKYLIGHT TO REMAIN | | EXISTING EXIT SIGN TO REMAIN |
| | LIGHT FIXTURE | | CEILING MOUNTED FCU. SEE MECHANICAL |
| | REINSTALL EMERGENCY LIGHT | | |
| | EXTERIOR SHIELDED WALL MOUNTED LIGHT | | |

REFLECTED CEILING PLAN NOTES

- FIRE BLOCKING INFILL BETWEEN RAFTERS ABUTTING CORRIDOR AT ROOMS 51, 52, & 54. SEE DETAIL 6/A9.01.
- REFER TO HAZMAT SPECIFICATION FOR EXTENT OF ABATEMENT AND TREATMENT.



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<p>100% FINAL DESIGN</p>	<p>DATE: 12-18-15</p>
<p>DES: JD DRW: FCA CHK: TM</p>	<p>DATE: _____</p>
<p>DEPARTMENT OF DEFENSE DESIGN AND PROJECT MANAGEMENT BRANCH HAWAII ARMY NATIONAL GUARD</p>	<p>STATE OF HAWAII FACILITY MANAGEMENT OFFICE</p>
<p>FORT RUGER BUILDING 300A - OFFICE IMPROVEMENTS 4087 DIAMONDHEAD RD HONOLULU, HI 96816 TMK: 3-1-042,040</p>	<p>REFLECTED CEILING PLAN</p>
<p>SCALE: 1/8" = 1' - 0"</p>	<p>STATE JOB NO. CA-1502-C FEDERAL PROJECT NO. 15150013 SHEET 7 OF 36</p>
<p>A2.02</p>	

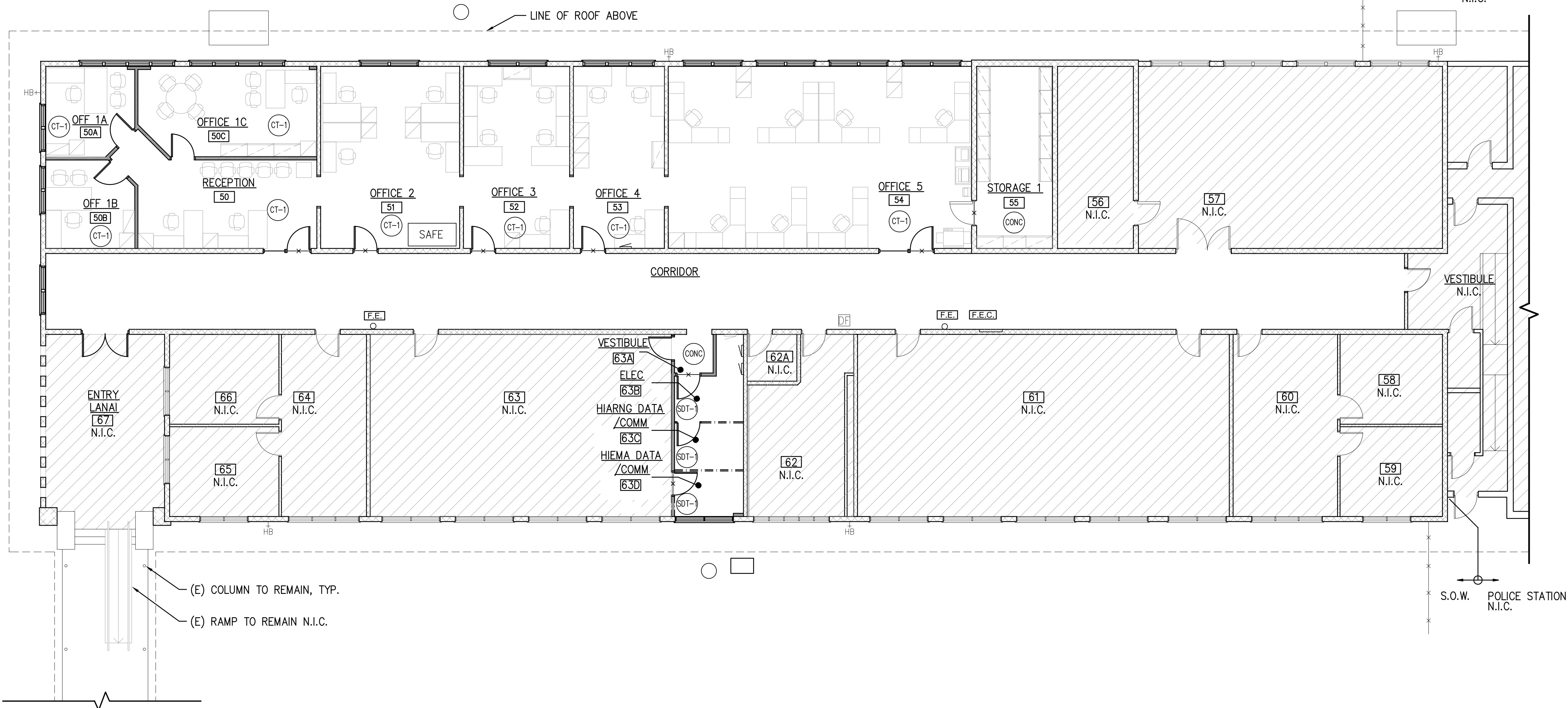
1 2 3 4 5

D

C

B

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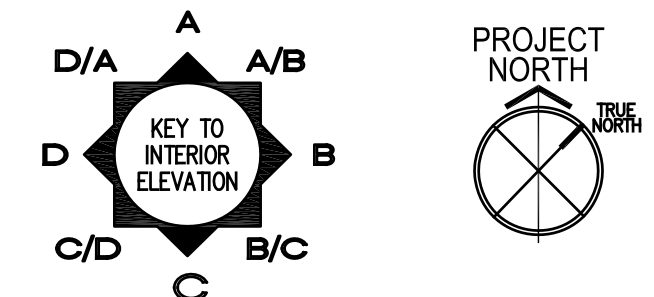
1 FURNITURE AND FINISHES PLAN
A203 SCALE: 1/8"=1'-0"

FURNITURE AND FINISHES PLAN LEGEND

- | | | | | | |
|--|---|--|------------------------------|--|--------------|
| | EXISTING WALL/PARTITION TO REMAIN | | EXISTING WINDOW TO REMAIN | | DESK |
| | NEW PARTITION/INFILL WALL | | NEW WINDOW TO MATCH EXISTING | | DESK |
| | FINISH TAG, REFER TO FINISH LEGEND FOR MORE INFORMATION | | AREA NOT IN CONTRACT | | OFFICE CHAIR |
| | FLOORING TRANSITION | | FILE CABINET | | COPIER |
| | FIRE EXTINGUISHER | | | | |
| | EXISTING WALL RECESSED FIRE HOSE CABINET | | | | |

FURNITURE AND FINISHES PLAN NOTES

- ALL FURNITURE AND EQUIPMENT O.F.O.I. FURNITURE SHOWN FOR REFERENCE.
- SEE FINISH SCHEDULE & ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION ON A8.01.
- REFER TO HAZMAT SPECIFICATION FOR EXTENT OF ABATEMENT AND TREATMENT.



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A/E INFO

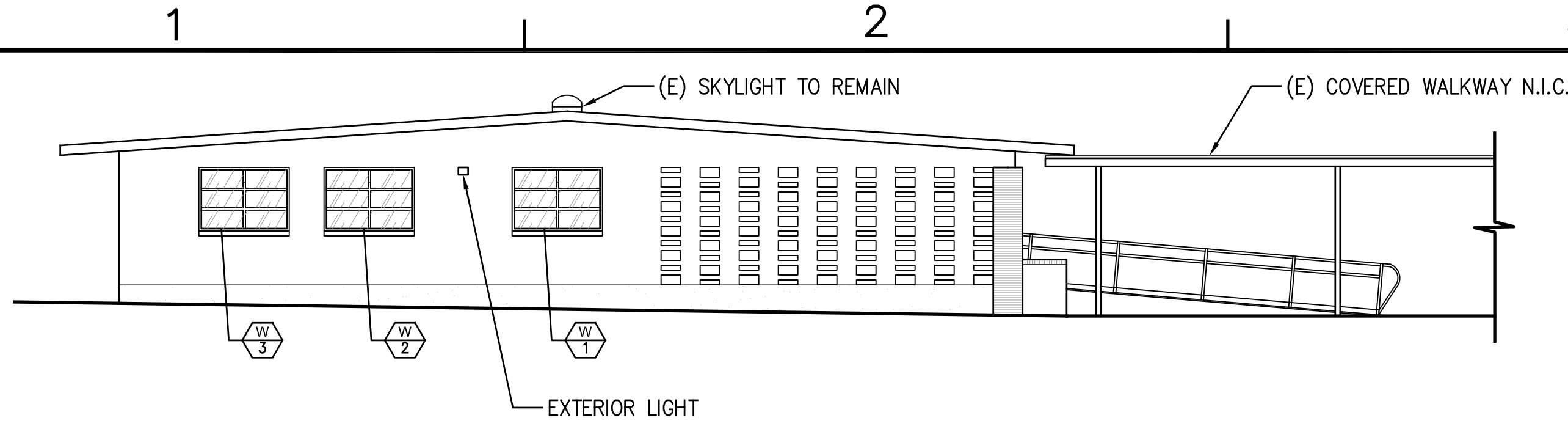
EXP: 4/30/2016
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DATE	DESCRIPTION

SUBMITTAL PHASE	
100% FINAL DESIGN	
SUBMITTAL DATE 12-18-15	
DES	JD
DRW	FCA
CHK	TM

DEPARTMENT OF DEFENSE
 DESIGN AND PROJECT MANAGEMENT BRANCH
 HAWAII ARMY NATIONAL GUARD
 FACILITY MANAGEMENT OFFICE
 FORT RUGER BUILDING 300A - OFFICE IMPROVEMENTS
 4087 DIAMONDHEAD RD HONOLULU, HI 96816
 TMK: 3-1-042,040

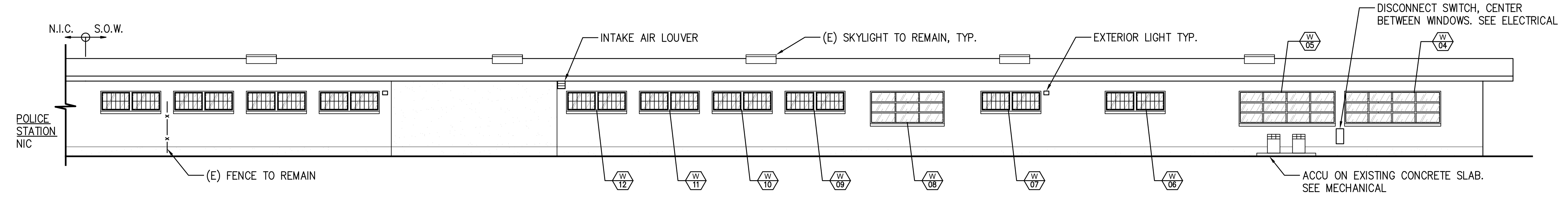
SCALE:	1/8" = 1' - 0"
STATE JOB NO.	CA-1502-C
FEDERAL PROJECT NO.	15150013
SHEET	8 OF 36
A2.03	



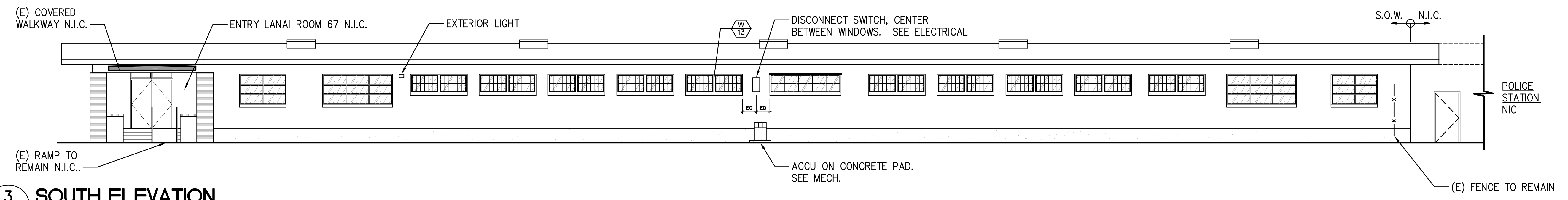
NOTE:

1. EXTERIOR LIGHTS TO BE INSTALLED AT LOCATION OF EXISTING DEMOLISHED EXTERIOR LIGHTS.

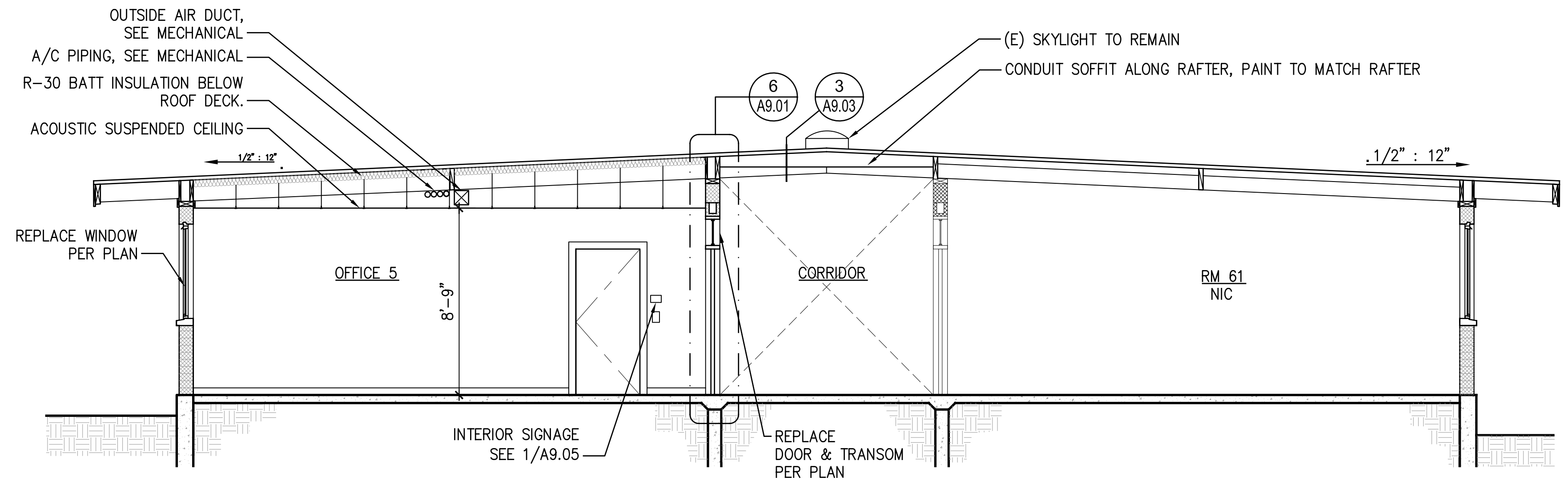
1 WEST ELEVATION
A301 SCALE: 1/8"=1'-0"



2 NORTH ELEVATION
A301 SCALE: 1/8"=1'-0"



3 SOUTH ELEVATION
A301 SCALE: 1/8"=1'-0"



4 CROSS SECTION
A301 SCALE: 1/4"=1'-0"



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DESIGN AND PROJECT MANAGEMENT BRANCH
100% FINAL DESIGN
SUBMITTAL DATE: 12-18-15

DES: JD DRW: FCA CHK: TM

STATE OF HAWAII
FACILITY MANAGEMENT OFFICE
HAWAII ARMY NATIONAL GUARD
DESIGN AND PROJECT MANAGEMENT BRANCH
FORT RUGER BUILDING 300A - OFFICE IMPROVEMENTS
4087 DIAMONDHEAD RD HONOLULU, HI 96816
TMK: 3-1-042,040

SCALE: VARIES

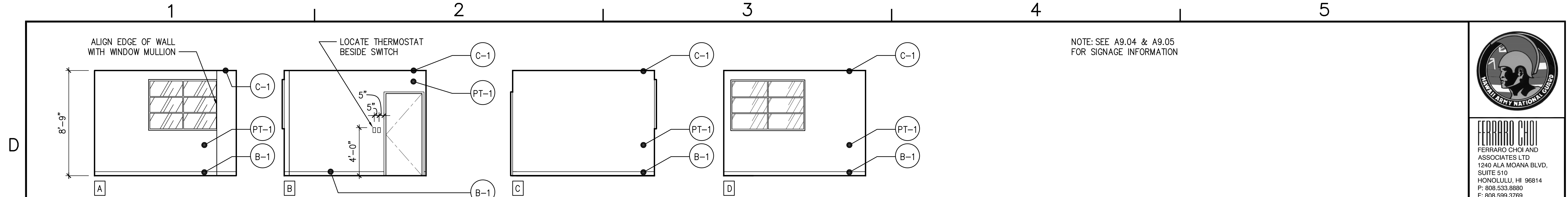
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FEDERAL PROJECT NO. 15150013

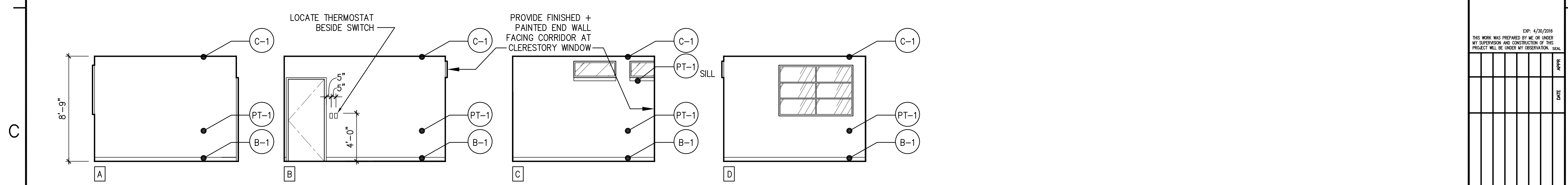
SHEET 9 OF 36

A3.01

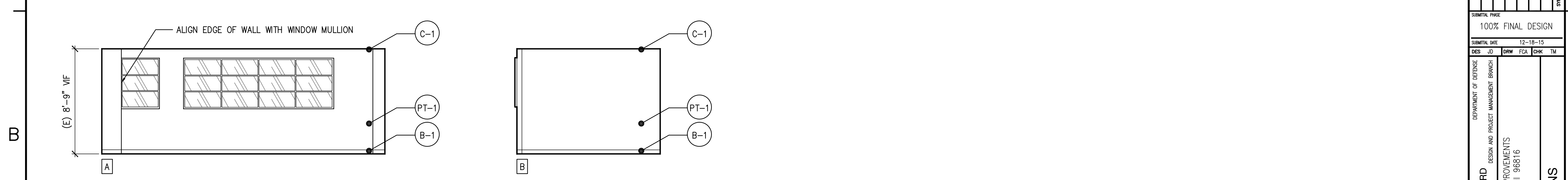
EXTERIOR ELEVATIONS & CROSS SECTION



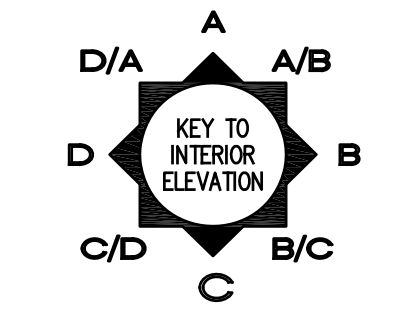
1 OFFICE 1A
A701 SCALE: 1/4"=1'-0"



2 OFFICE 1B
A701 SCALE: 1/4"=1'-0"



3 OFFICE 1C
A701 SCALE: 1/4"=1'-0"



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A/E INFO

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DATE	DESCRIPTION	BY	CHK

100% FINAL DESIGN
SUBMITTAL DATE: 12-18-15

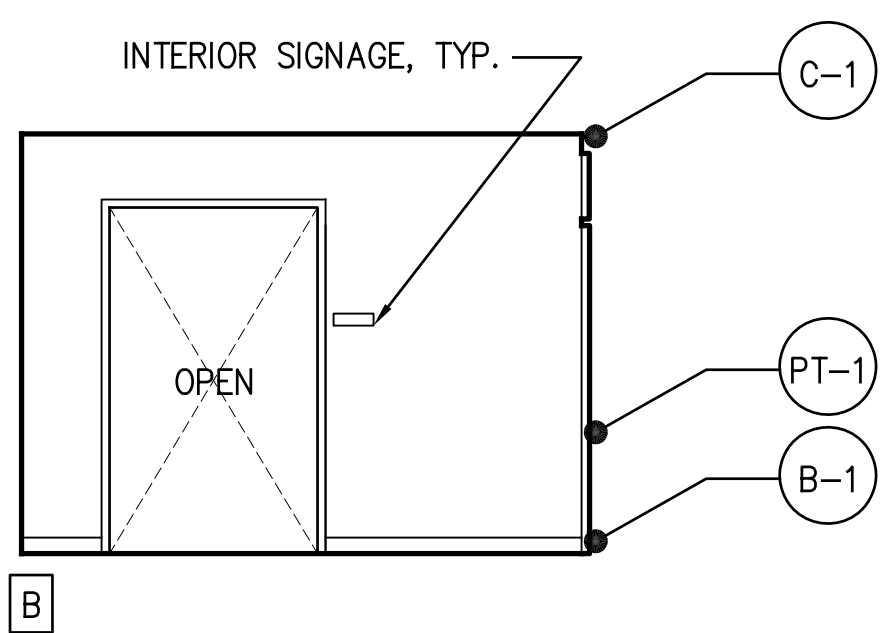
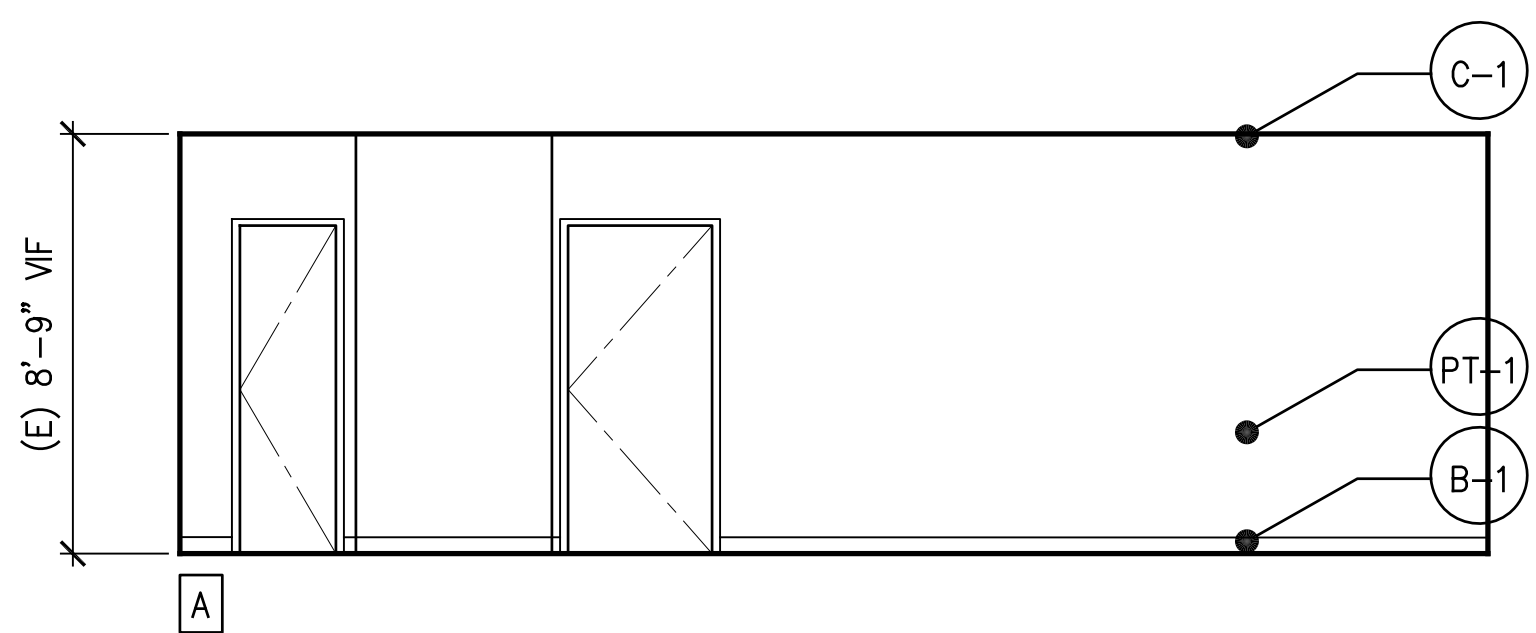
DES	JD	DRW	FCA	CHK	TM

STATE OF HAWAII
FACILITY MANAGEMENT OFFICE
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DESIGN AND PROJECT MANAGEMENT BRANCH
FORT RUGER BUILDING 300A - OFFICE IMPROVEMENTS
4087 DIAMONDHEAD RD HONOLULU, HI 96816
TMK: 3-1-042,040
INTERIOR ELEVATIONS

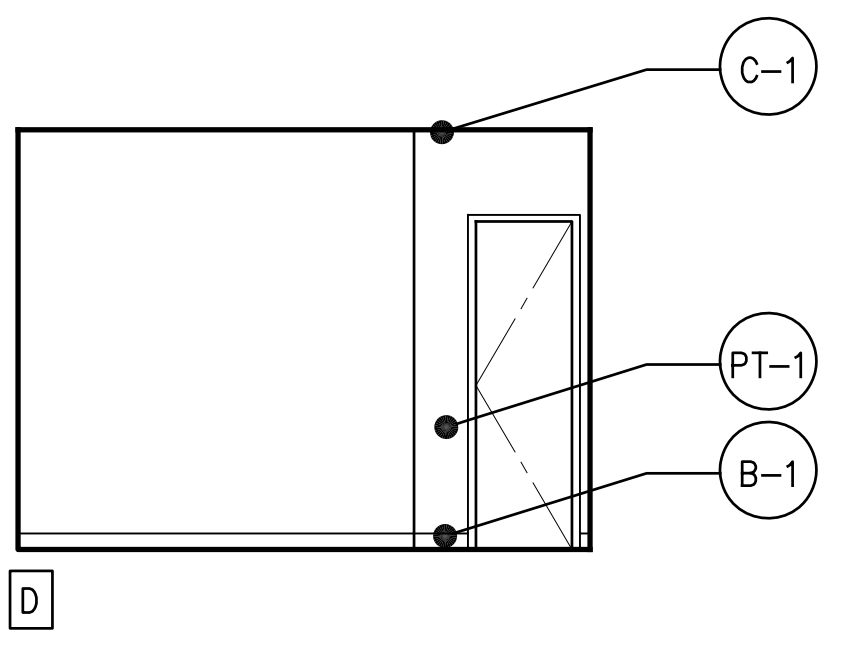
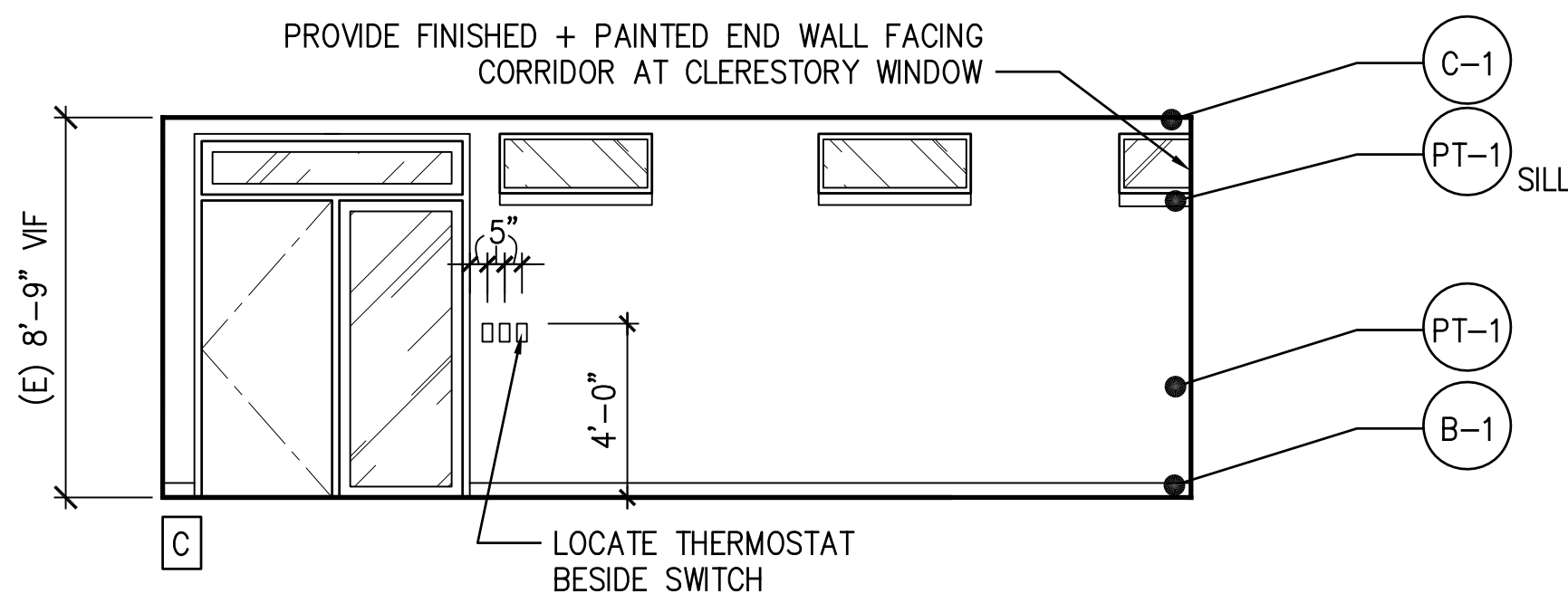
SCALE: 1/4" = 1' - 0"
STATE JOB NO. CA-1502-C
FEDERAL PROJECT NO. 15150013
SHEET 10 OF 36
A7.01

1 2 3 4 5

D

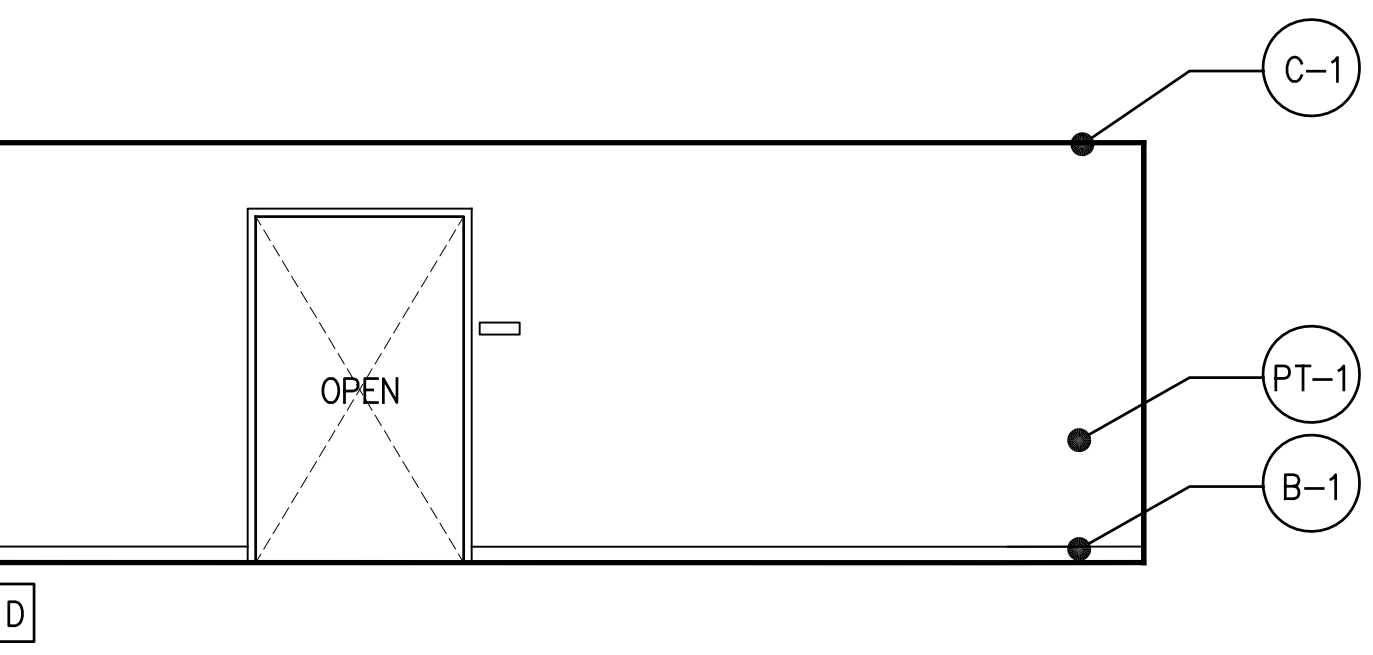
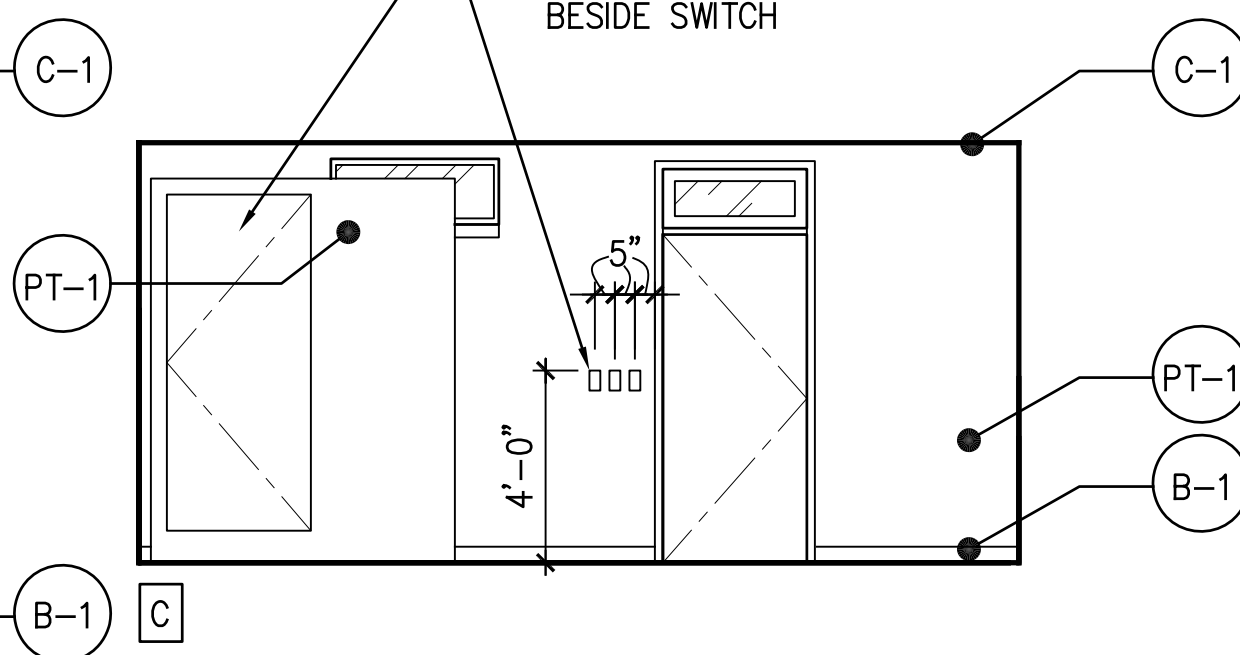
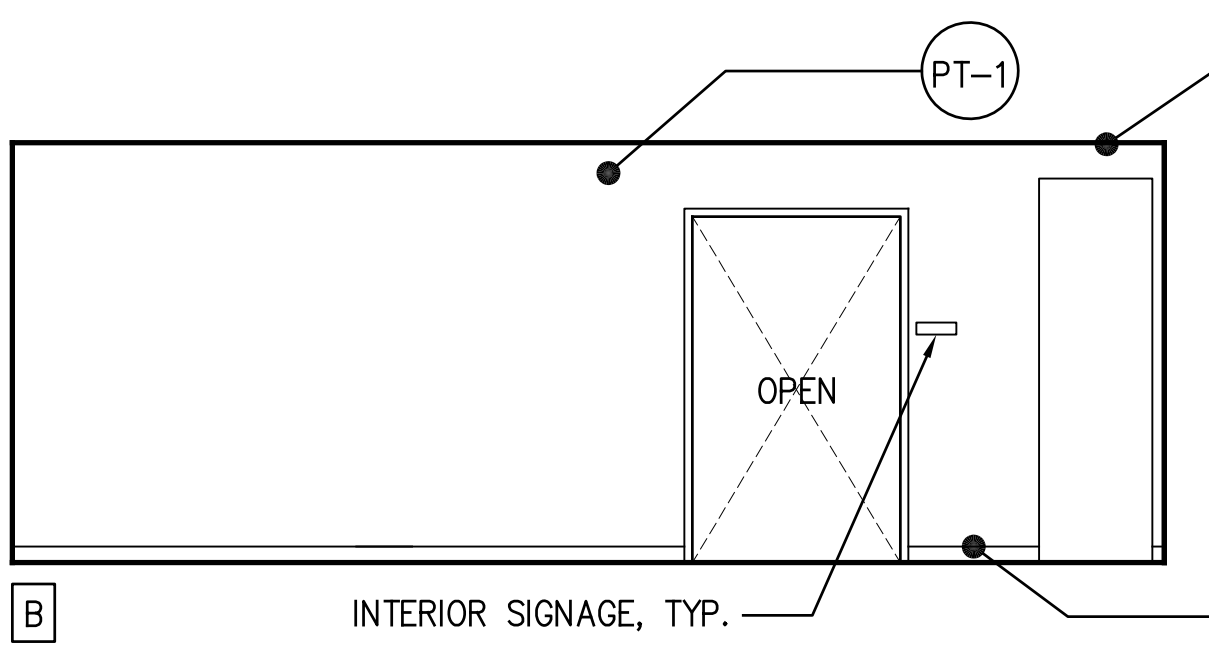
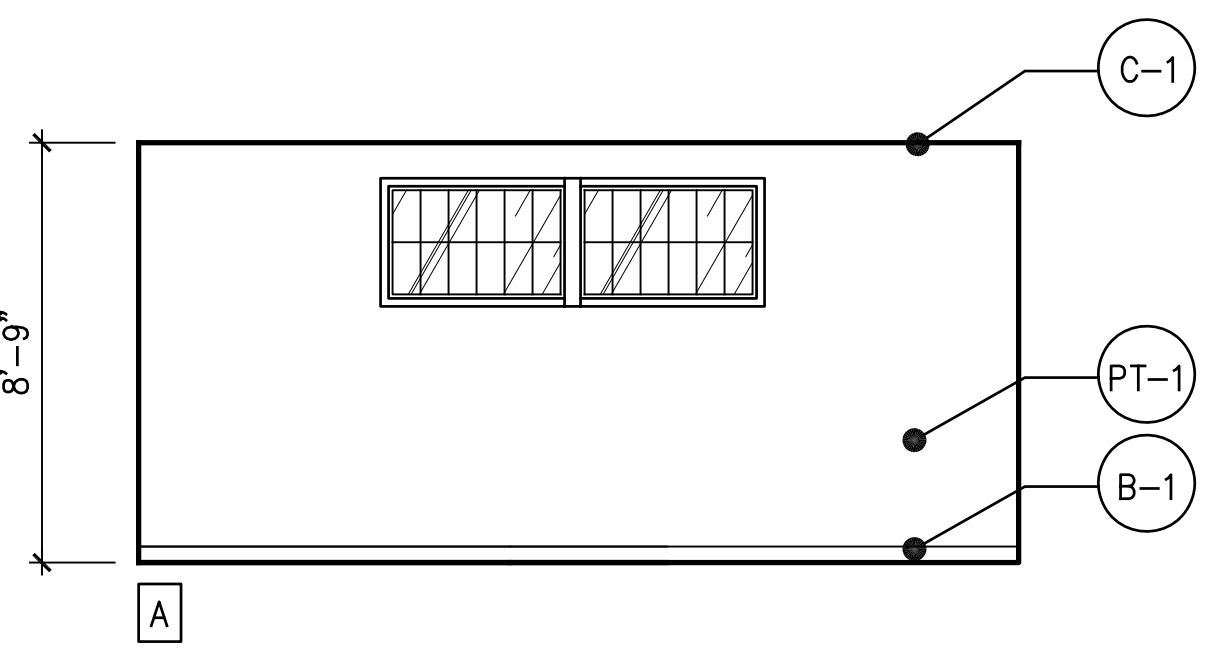


C



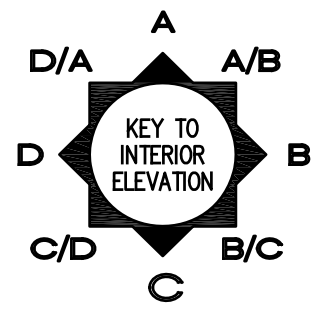
1 RECEPTION
A702 SCALE: 1/4"=1'-0"

B



2 OFFICE 2
A702 SCALE: 1/4"=1'-0"

A



1 2 3 4 5



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SYN	DESCRIPTION	DATE	APPR

DEPARTMENT OF DEFENSE
DESIGN AND PROJECT MANAGEMENT BRANCH
SUBMITTAL PHASE: 100% FINAL DESIGN
SUBMITTAL DATE: 12-18-15
DES: JD DRW: FCA CHK: TM

STATE OF HAWAII
FACILITY MANAGEMENT OFFICE
HAWAII ARMY NATIONAL GUARD
DESIGN AND PROJECT MANAGEMENT BRANCH
FORT RUGER BUILDING 300A - OFFICE IMPROVEMENTS
4087 DIAMONDHEAD RD HONOLULU, HI 96816
TMK: 3-1-042,040

SCALE: 1/4" = 1' - 0"
STATE JOB NO. CA-1502-C
FEDERAL PROJECT NO. 15150013
SHEET 11 OF 36
A7.02

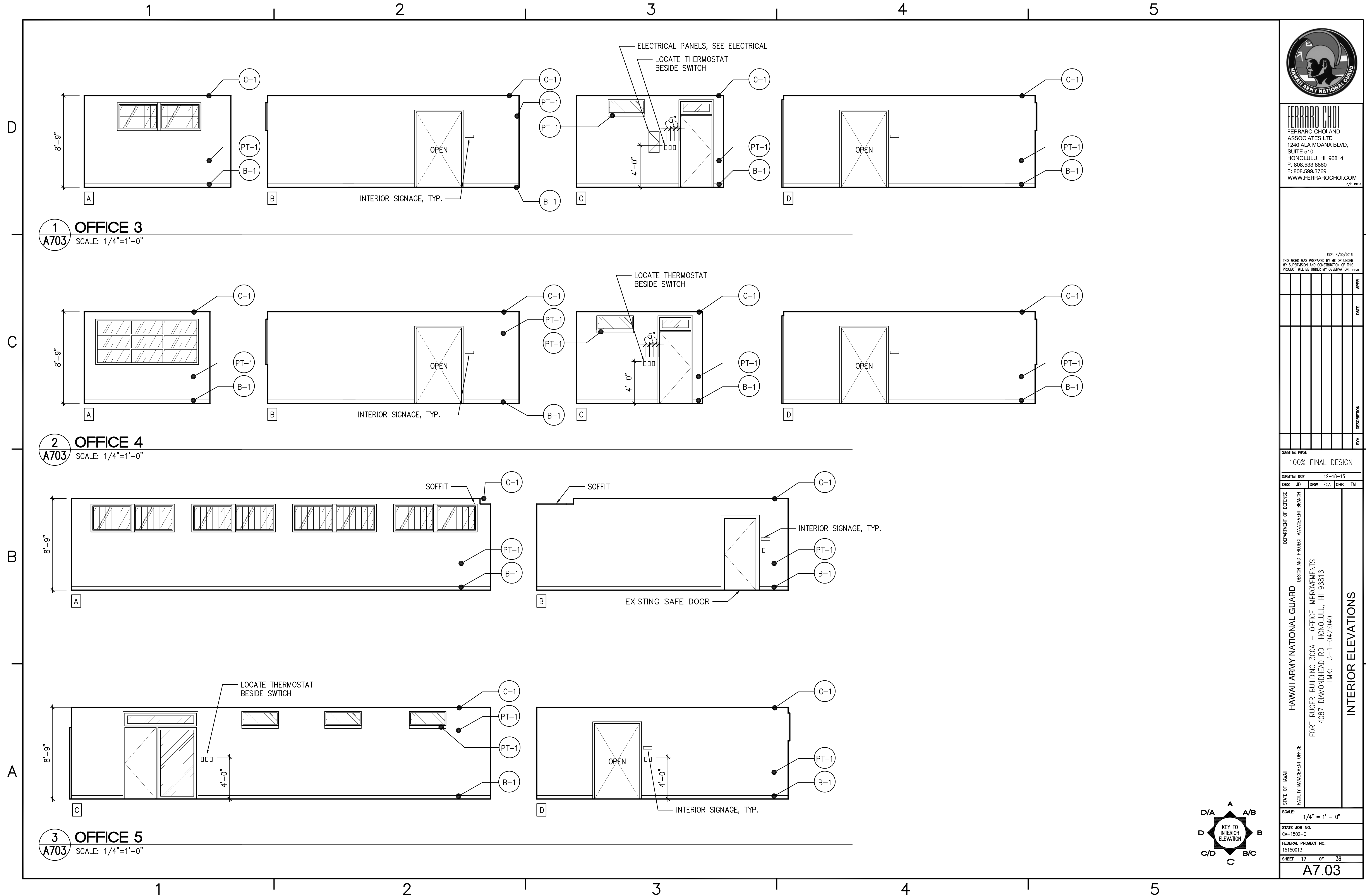
D

C

B

A

INTERIOR ELEVATIONS



1 OFFICE 3
 A703 SCALE: 1/4"=1'-0"

2 OFFICE 4
 A703 SCALE: 1/4"=1'-0"

3 OFFICE 5
 A703 SCALE: 1/4"=1'-0"



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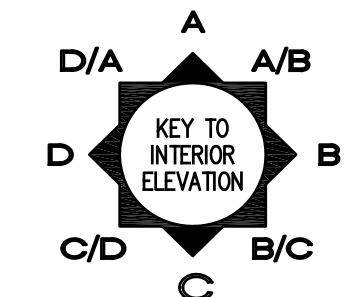
DATE	DESCRIPTION	BY	CHK

100% FINAL DESIGN
 12-18-15

DES: J/D DRW: FCA CHK: TM

DEPARTMENT OF DEFENSE
 DESIGN AND PROJECT MANAGEMENT BRANCH
 HAWAII ARMY NATIONAL GUARD
 FACILITY MANAGEMENT OFFICE
 FORT RUGER BUILDING 300A - OFFICE IMPROVEMENTS
 4087 DIAMONDHEAD RD HONOLULU, HI 96816
 TMK: 3-1-042,040

SCALE: 1/4" = 1' - 0"
 STATE JOB NO. CA-1502-C
 FEDERAL PROJECT NO. 1515013
 SHEET 12 OF 36
A7.03



1

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B

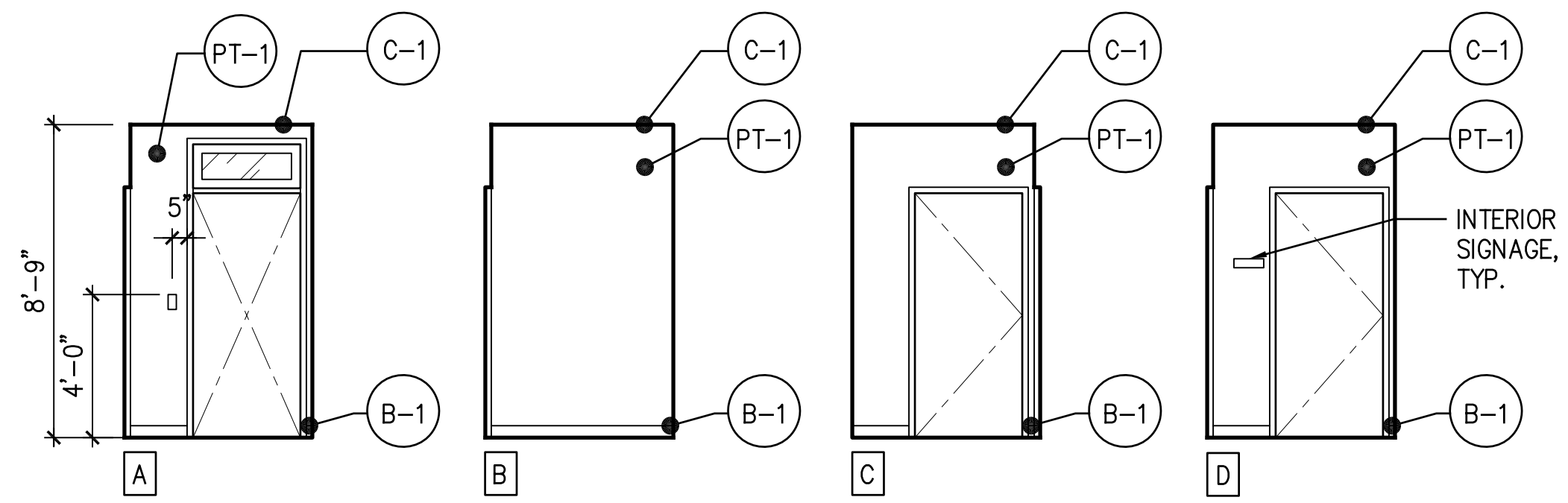
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D

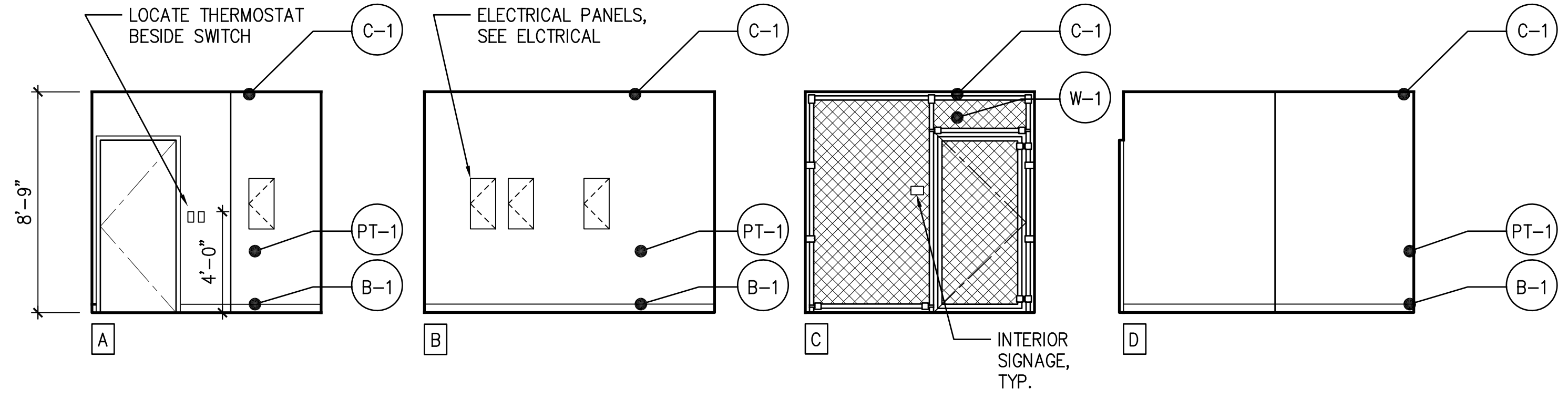
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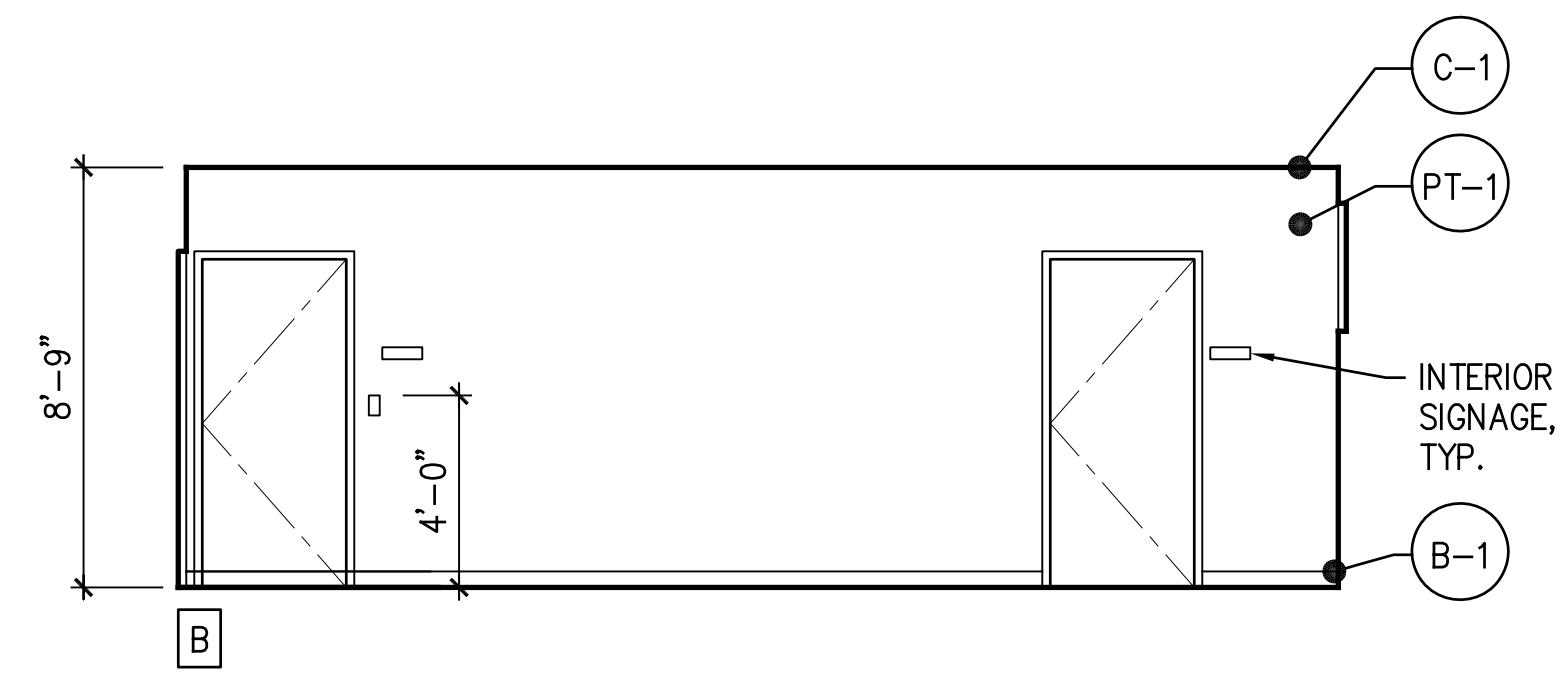
A



1 ROOM 63A
A704 SCALE: 1/4"=1'-0"



2 ELEC
A704 SCALE: 1/4"=1'-0"



3 ROOM 63
A704 SCALE: 1/4"=1'-0"



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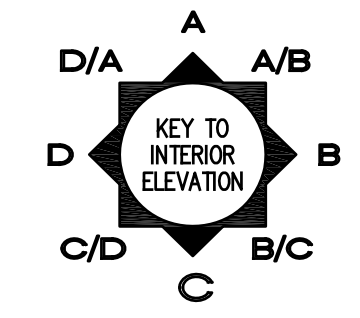
NO.	DATE	DESCRIPTION	BY	CHK

100% FINAL DESIGN

12-18-15

DES	JD	DRW	FCA	CHK	TM
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STATE OF HAWAII
FACILITY MANAGEMENT OFFICE
HAWAII ARMY NATIONAL GUARD
DESIGN AND PROJECT MANAGEMENT BRANCH
FORT RUGER BUILDING 300A - OFFICE IMPROVEMENTS
4087 DIAMONDHEAD RD HONOLULU, HI 96816
TMK: 3-1-042,040
INTERIOR ELEVATIONS



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

STATE JOB NO. CA-1502-C

FEDERAL PROJECT NO. 15150013

SHEET 13 OF 36

A7.04

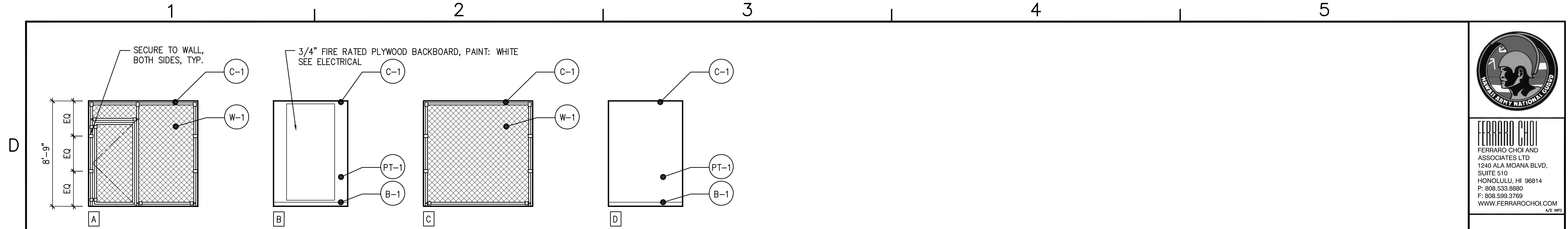
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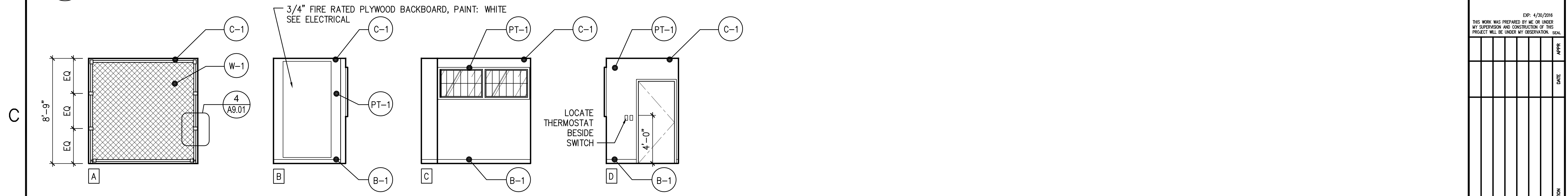
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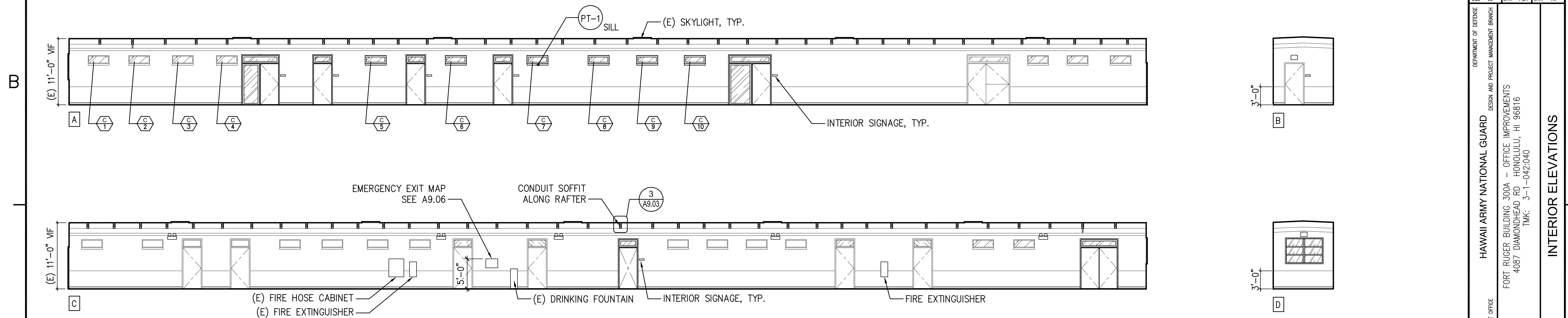
5



1 HIARNG DATA/COMM
A705 SCALE: 1/4"=1'-0"



2 HIEMA DATA/COMM
A705 SCALE: 1/4"=1'-0"



3 CORRIDOR
A705 SCALE: 1/8"=1'-0"



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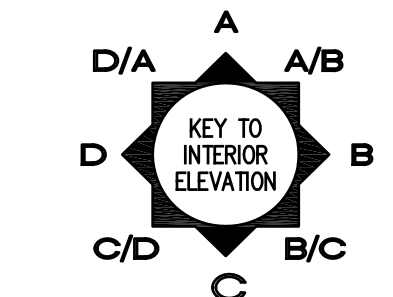
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SYN	DESCRIPTION	DATE	BY

100% FINAL DESIGN
 SUBMITTAL DATE: 12-18-15

DES	JD	DRW	FCA	CHK	TM

DEPARTMENT OF DEFENSE
 DESIGN AND PROJECT MANAGEMENT BRANCH
 HAWAIIAN NATIONAL GUARD
 FORT RUGER BUILDING 300A - OFFICE IMPROVEMENTS
 4087 DIAMONDHEAD RD HONOLULU, HI 96816
 TMK: 3-1-042,040
 INTERIOR ELEVATIONS



SCALE: VARIES
 STATE JOB NO. CA-1502-C
 FEDERAL PROJECT NO. 15150013
 SHEET 14 OF 36
A7.05

WINDOW SCHEDULE

WINDOW NUMBER	WINDOW TYPE	DIMENSIONS		DETAIL				FRAME		WINDOW COVERING	FIRE RATING	GLAZING	REMARKS
		WIDTH	HEIGHT	HEAD	JAMB	SILL	MULLION	MAT'L	FINISH				
01	A	6'-4"	4'-4"	2/A9.02	3/A9.02	2/A9.02	2/A9.02	STL	MF-1	WT-1	N/A	GL-1	MATCH EXISTING WINDOW FRAME PROFILES TO EXTENT POSSIBLE.
02	A	6'-2 1/2"	4'-4"										
03	A	6'-2 1/2"	4'-4"										
04	C	12'-6"	4'-4"										
05	C	12'-6"	4'-4"										
06	D	7'-8 1/2"	2'-8"										
07	D	7'-8 1/2"	2'-8"										
08	B	9'-5"	4'-4"										
09	D	7'-8 1/2"	2'-8"										
10	D	7'-8 1/2"	2'-8"										
11	D	7'-8 1/2"	2'-8"										
12	D	7'-8 1/2"	2'-8"										
13	D	7'-8 1/2"	2'-8"										

CLERESTORY SCHEDULE

WINDOW NUMBER	WINDOW TYPE	DIMENSIONS		DETAIL			FRAME		FIRE RATING	GLAZING	REMARKS
		WIDTH	HEIGHT	HEAD	JAMB	SILL	MAT'L	FINISH			
01	E	3'-10"	1'-8"	-	-	-	WD	PT-2	-	EXISTING	(E) TO REMAIN, REPAINT TRIM
02	E	3'-10"	1'-8"	-	-	-	WD	PT-2	-	EXISTING	(E) TO REMAIN, REPAINT TRIM
03	E	3'-10"	1'-8"	-	-	-	WD	PT-2	-	EXISTING	(E) TO REMAIN, REPAINT TRIM
04	E	3'-10"	1'-8"	-	-	-	WD	PT-2	-	EXISTING	(E) TO REMAIN, REPAINT TRIM
05	F	3'-10"	1'-8"	4/A9.02	4/A9.02	4/A9.02	STL	MF-2	3/4 HR	GL-3	
06	F										
07	F										
08	F										
09	F										
10	F										

FINISH LEGEND

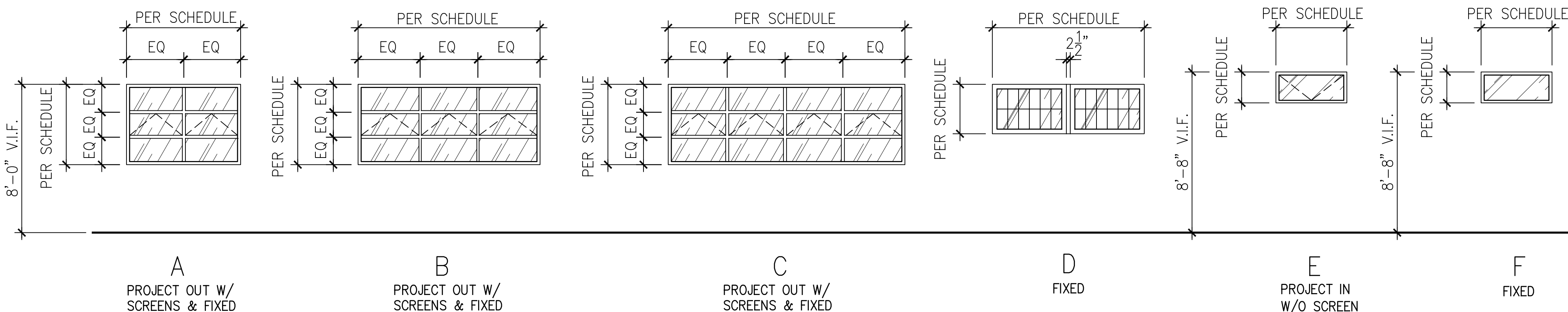
FLOORING	
CT-1	CARPET TILES; BENTLEY, ARCADE LEGENDNITRO RACER 800602 18"x36" (BRICK INSTALLATION)
CONC	EXISTING CONCRETE FLOOR TO REMAIN
SDT-1	STATIC DISSIPATIVE TILE: ROPPE, ESD VINYL, 754 STORM BEIGE
WALLS	
PT-1	PAINT: BENJAMIN MOORE, GLACIER WHITE AC-40, EGGSHELL
PT-2	PAINT: BENJAMIN MOORE, LIVINGSTON GOLD HC-16, EGGSHELL
W-1	CHAINLINK
BASE	
B-1	RUBBER BASE: JOHNSONITE, 63 BURNT UMBER 4" (COVERED IN AREAS WITH HARD FLOOR AND TOELESS IN CARPETED AREAS)
CEILING	
C-1	ACOUSTIC TILE: ROCKFON, ARCTIC SNL 620 2'X2' SQUARE TEGULAR NARROW
DOORS & WINDOWS	
ALUM	ALUMINUM
D-1	CHAINLINK
GL-1	IMPACT RESISTANT: CLEAR GLASS, U=0.95, SHGC = 0.82
GL-2	FIRE RATED SAFETY GLASS, WIRED: TGP "FIRELITE", 45 MIN FIRE RATED, 3/4" DIAMOND CLEAR PATTERN
GL-3	FIRE RATED GLASS: TGP "FIRELITE PLUS", 45 MIN FIRE RATED. COMPLIES WITH NFPA 257 TESTING.
MF-1	MANUFACTURER FINISH, CLEAR ANODIZED ALUMINUM
MF-2	MANUFACTURER FINISH, COLOR MATCH PT-2
STL	STAINLESS STEEL, POWDER COATED, COLOR TO MATCH PT-1
WD	HOLLOW CORE WOOD PAINT GRADE
WT-1	WINDOW TREATMENT: MANUAL ROLLER BLINDS, PHIFER SHEERWEAVE 4700, T96 BLACK PEARL

FINISH NOTES

- SUBMIT ALL FINISH AND COLOR SAMPLES TO ARCHITECT FOR REVIEW PRIOR TO ORDERING.
- ALL MATERIALS TO BE FINISHED/SEALED PER MANUFACTURER'S RECOMMENDATIONS.
- ROOM AREAS LISTED ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY AREAS.
- PRODUCTS LISTED ABOVE ARE BASIS OF DESIGN. PROVIDE LISTED PRODUCT OR APPROVED EQUAL.

ROOM FINISH SCHEDULE

ROOM NO.	AREA (SQF)	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	TRIM FINISH	REMARKS
50	300	CT-1	B-1	PT-1	C-1	PT-1	
50A	130						
50B	130						
50C	130						
51	440						
52	336						
53	288						
54	960						
55	240	CONC	N/A				
63	-	CONC	B-1				FINISHES APPLY TO NEW WALL ONLY
63A	26	CONC					
63B	74	SDT-1		PT-1, W-1	C-1		
63C	55	SDT-1		PT-1, W-1	C-1		
63D	55	SDT-1		PT-1, W-1	C-1		
CORRIDOR	1,785	EXISTING		EXISTING	EXISTING		FINISHES APPLY TO NEW WORK ONLY



1 WINDOW + CLERESTORY TYPES

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



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DATE	DESCRIPTION	BY	CHK	APPR

100% FINAL DESIGN

12-18-15

DES: JD DRW: FCA CHK: TM

DEPARTMENT OF DEFENSE
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 4087 DIAMONDHEAD RD HONOLULU, HI 96816
 TMK: 3-1-042-040

STATE OF HAWAII
 FACILITY MANAGEMENT OFFICE

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

STATE JOB NO. CA-1502-C

FEDERAL PROJECT NO. 15150013

SHEET 15 OF 36

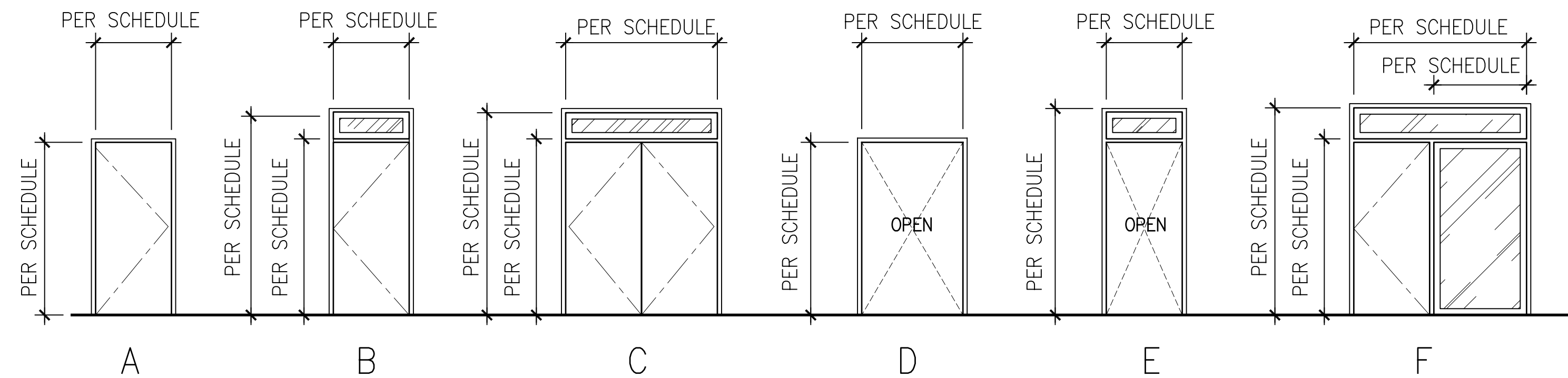
A8.01

DOOR SCHEDULE

DOOR NO.	DESCRIPTION	DOOR TYPE	DIMENSIONS				DETAILS				DOOR		FRAME		TRANSOM & SIDELITE			DOOR FIRE RATING	TRANSOM & SIDELITE FIRE RATING	HDWR. GROUP	REMARKS			
			WIDTH	HEIGHT	OVERALL HEIGHT	SIDELITE WIDTH	DOOR THK.	HEAD	JAMB	TRANSOM	THRESHOLD	MATL	FINISH	MATL	FINISH	GLAZING	MATL					FINISH		
01	RECEPTION	F	3'-0"	6'-10"	8'-2 3/8"	3'-0"	1-3/4"	7/A9.02	7/A9.02	5/A9.02	1/A9.03	STL	PT-2	STL	PT-2	GL-2	STL	MF-2	20 MIN	3/4 HOUR	HW2			
02	OFFICE 1B	A	3'-0"				1-3/4"	7/A9.02	7/A9.02			STL	PT-2	STL							HW3			
03	OFFICE 1A	A	3'-0"				1-3/4"	7/A9.02	7/A9.02			STL	PT-2	STL							HW3			
04	OFFICE 2	B	3'-0"		8'-2 3/8"		1-3/4"	5/A9.02		5/A9.02	1/A9.03	STL	PT-2	STL	GL-2	STL	MF-2	EXISTING	3/4 HOUR	HW1	DOOR EXISTING TO REMAIN, TRANSOM TO BE REPLACED, THRESHOLD IS OPTION			
05	OFFICE 3	B	3'-0"		8'-2 3/8"		1-3/4"	5/A9.02		5/A9.02	1/A9.03	STL	PT-2	STL	GL-2	STL	MF-2	EXISTING	3/4 HOUR	HW1	DOOR EXISTING TO REMAIN, TRANSOM TO BE REPLACED, THRESHOLD IS OPTION			
06	OFFICE 2	D	4'-0"				N/A	6/A9.02	6/A9.02					WD							HW5	CASED OPENING, THRESHOLD IS OPTION		
07	OFFICE 3	D	4'-0"				N/A	6/A9.02	6/A9.02					WD								HW5	CASED OPENING	
08	OFFICE 4	D	4'-0"				N/A	6/A9.02	6/A9.02					WD								HW5	CASED OPENING	
09	OFFICE 5	D	4'-0"				N/A	6/A9.02	6/A9.02					WD								HW5	CASED OPENING	
10	OFFICE 4	B	3'-0"		8'-2 3/8"		1-3/4"	5/A9.02		5/A9.02	1/A9.03	STL	PT-2	STL	GL-2	STL	MF-2	EXISTING	3/4 HOUR	HW1	DOOR EXISTING TO REMAIN, TRANSOM TO BE REPLACED, THRESHOLD IS OPTION			
11	OFFICE 5	F	3'-0"		8'-2 3/8"	4'-0"	1-3/4"	5/A9.02	5/A9.02	5/A9.02	1/A9.03	STL	PT-2	STL	GL-2	STL	MF-2	20 MIN	3/4 HOUR	HW2				
12	STORAGE 1	A	2'-8"	6'-6"										EXISTING	PT-2	EXISTING					HW5	EXISTING TO REMAIN, LOCKSET TO BE REMOVED AND COVERED		
16	63A	E	3'-0"	6'-10"	8'-2 3/8"		N/A	6/A9.02	6/A9.02	5/A9.02 (SIM.)				WD			GL-2	STL	MF-2		3/4 HOUR		CASED OPENING, TRANSOM TO BE REPLACED	
17	63	A	3'-0"				1-3/4"	7/A9.02	7/A9.02			STL	PT-2	STL				20 MIN	3/4 HOUR	HW3				
18	ELEC	A	3'-0"				1-3/4"	7/A9.02	7/A9.02		2/A9.03	STL	PT-2	STL								HW3		
19	HIARNG DATA/COMM	A	3'-0"									D-1		STL										CHAINLINK GATE W/ LEVER HANDLE & LOCKSET W/O CLOSER
20	HIEMA DATA/COMM	A	3'-0"					1-3/4"	7/A9.02	7/A9.02		2/A9.03	STL	PT-2	STL							HW2		
21	ENTRY	C	6'-0"		8'-2 3/8"		1-3/4"	8/A9.02	8/A9.02	8/A9.02	7/A9.03	STL	PT-2	STL	GL-2	STL	MF-2	20 MIN	3/4 HOUR	HW3				
22	OFFICE C	A	3'-0"				1-3/4"	7/A9.02	7/A9.02			STL	PT-2	STL								HW3		

DOOR NOTES

- SEE A8.01 FOR FINISH LEGEND AND NOTES.
- REPLACE HARDWARE IN EXISTING TO REMAIN DOORS AS NOTED ABOVE
- SAFE/STORAGE DOORS TO REMAIN. REMOVE LOCKSET AND LATCH AND BLANK OFF. RETAIN LEVER ON BOTH SIDES OF DOOR AND SECURE IN HORIZONTAL POSITION.



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



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SYN	DESCRIPTION	DATE	BY

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DES: JD DRW: FCA CHK: TM

DEPARTMENT OF DEFENSE
DESIGN AND PROJECT MANAGEMENT BRANCH

HAWAII ARMY NATIONAL GUARD

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FORT RUGER BUILDING 300A - OFFICE IMPROVEMENTS

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TWK: 3-1-042,040

DOOR SCHEDULE

STATE OF HAWAII

FACILITY MANAGEMENT OFFICE

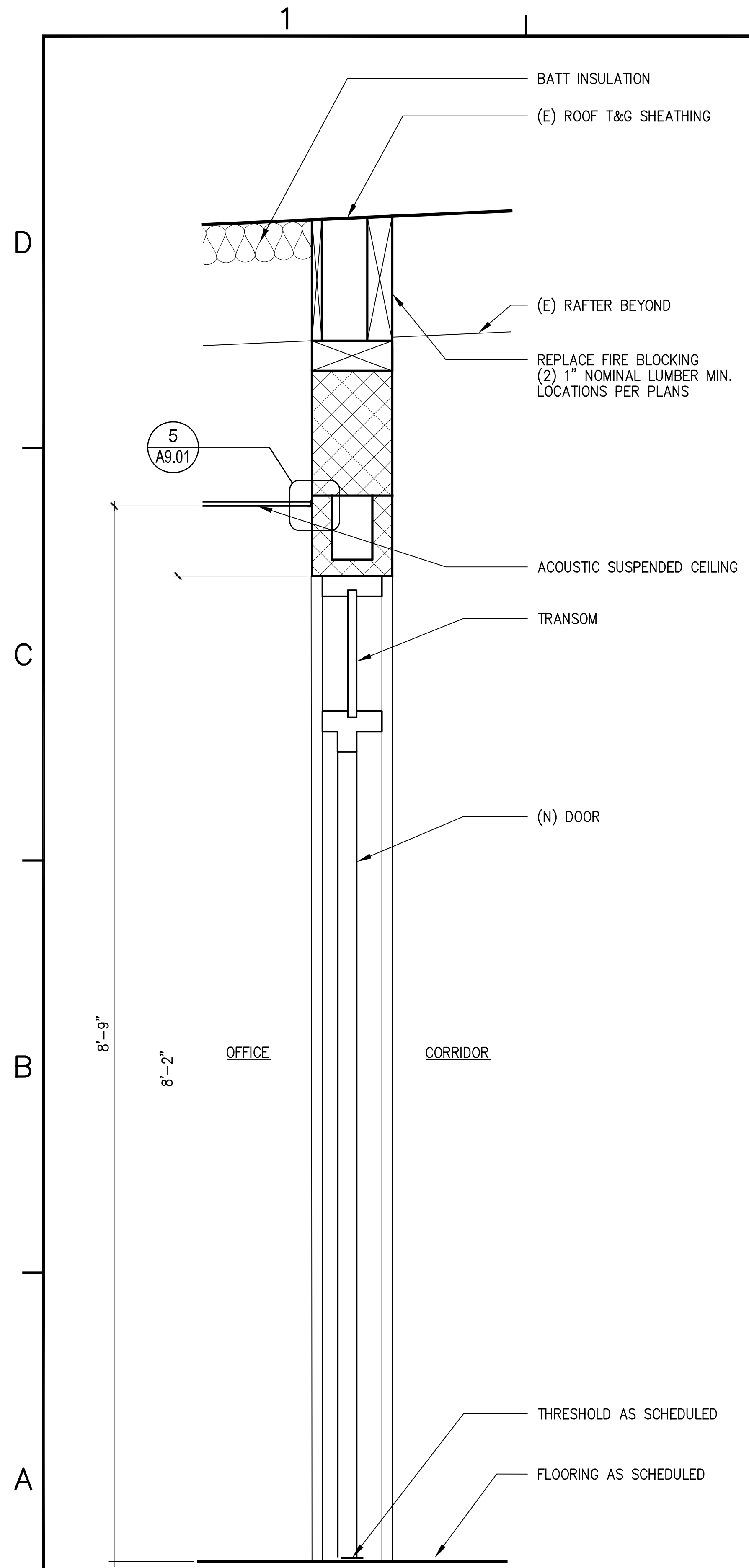
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STATE JOB NO. CA-1502-C

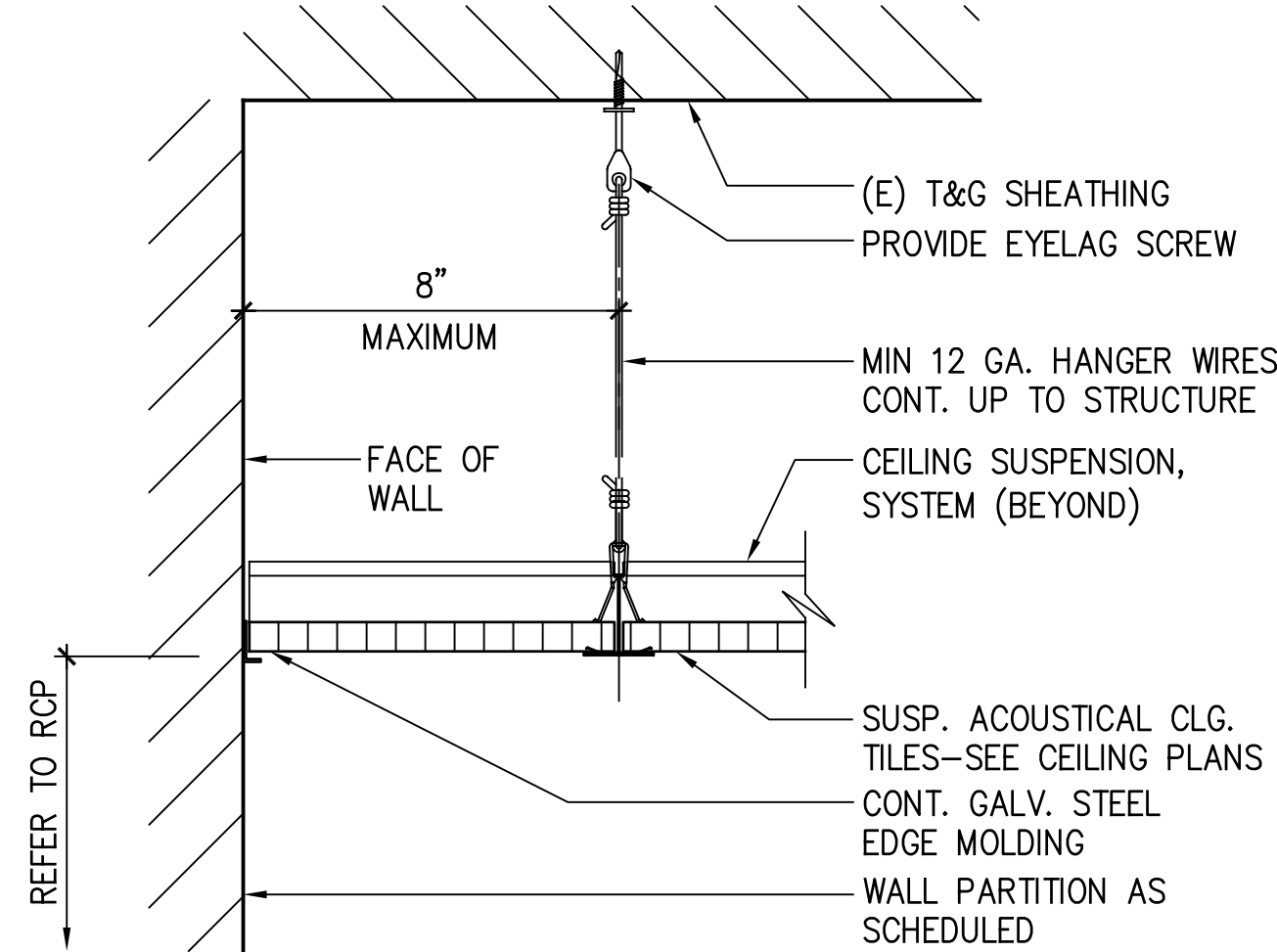
FEDERAL PROJECT NO. 15150013

SHEET 16 OF 36

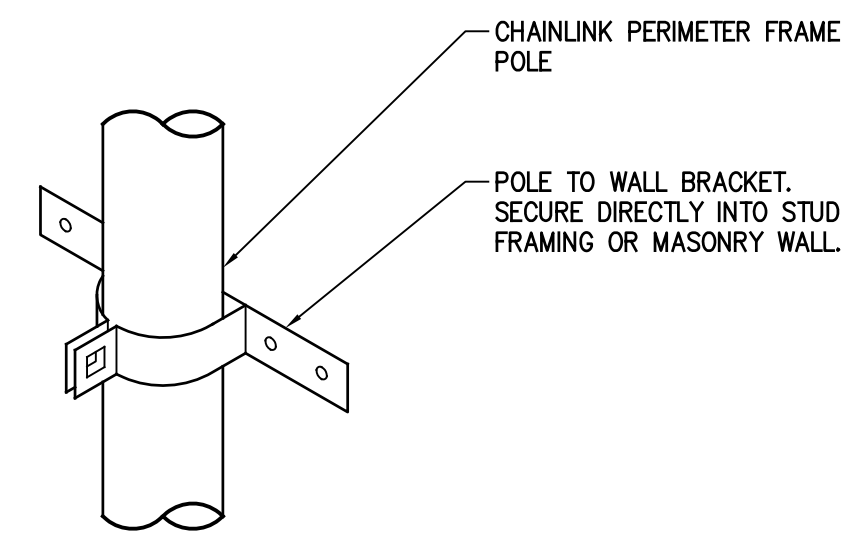
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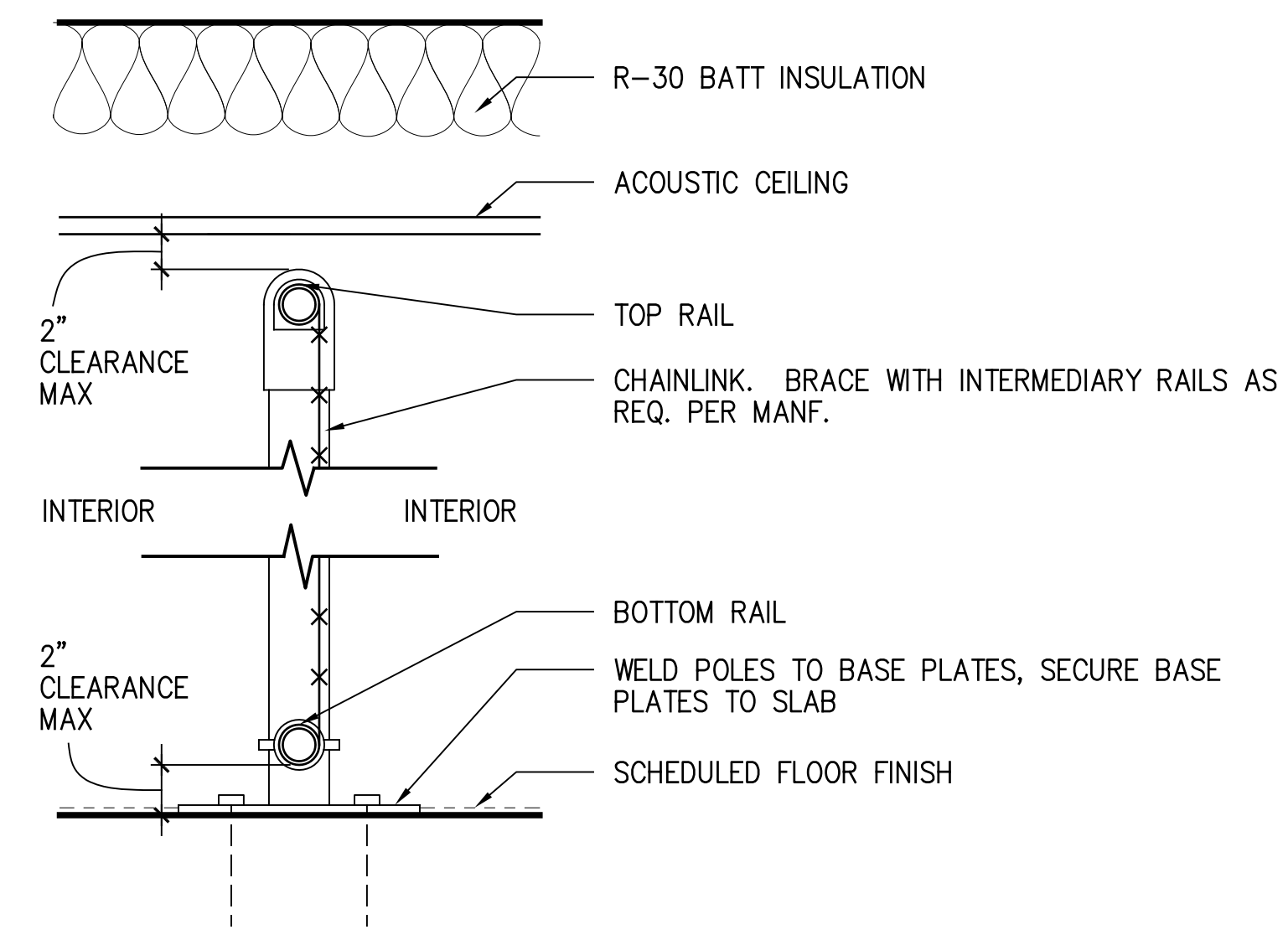
6 WALL SECTION
 SCALE: 1-1/2"=1'-0"



5 ACOUSTIC TILE AT WALL EDGE
 SCALE: 3"=1'-0"



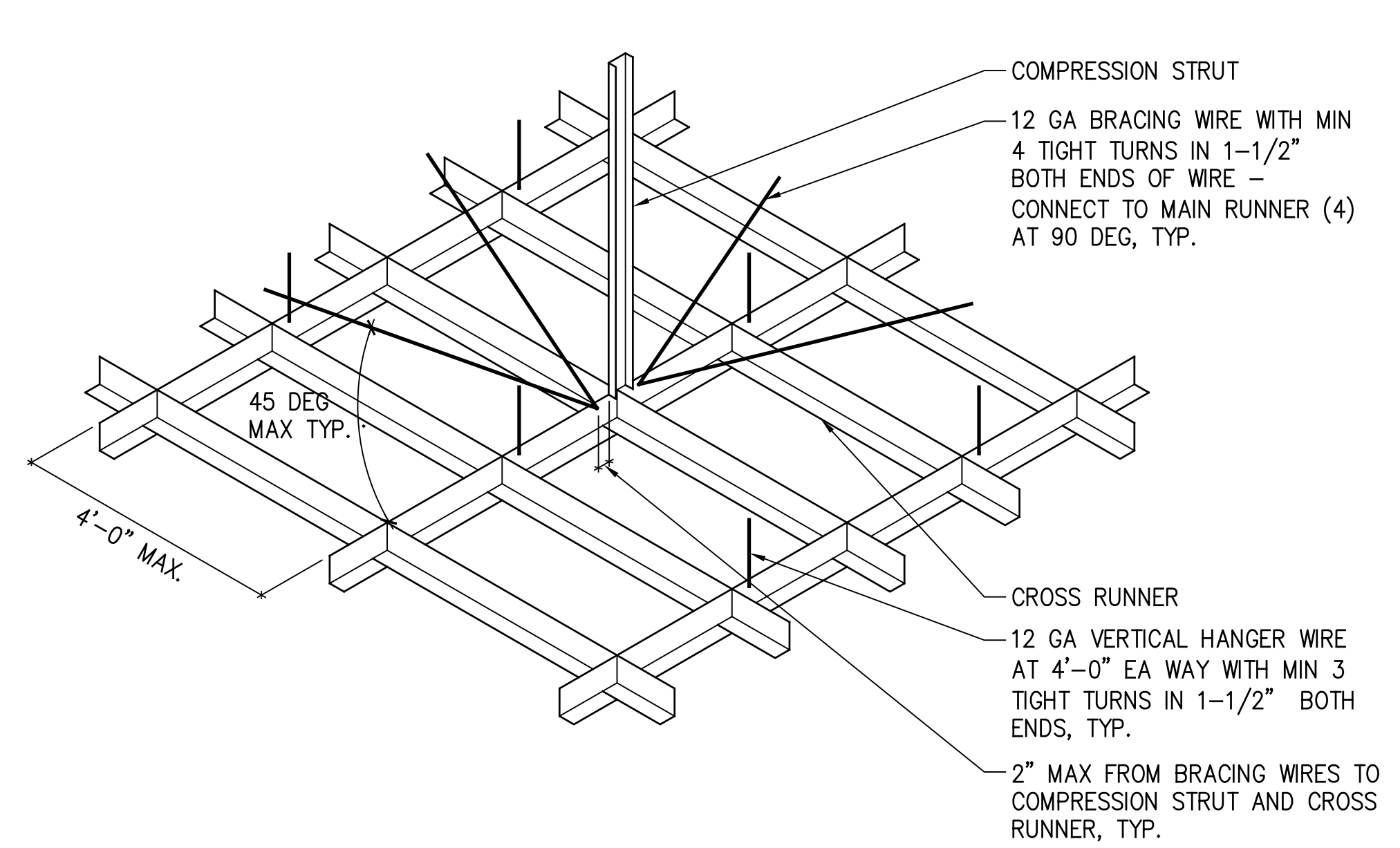
4 CHAINLINK WALL BRACKET
 SCALE: 3"=1'-0"



3 CHAINLINK PARTITION
 SCALE: 3"=1'-0"

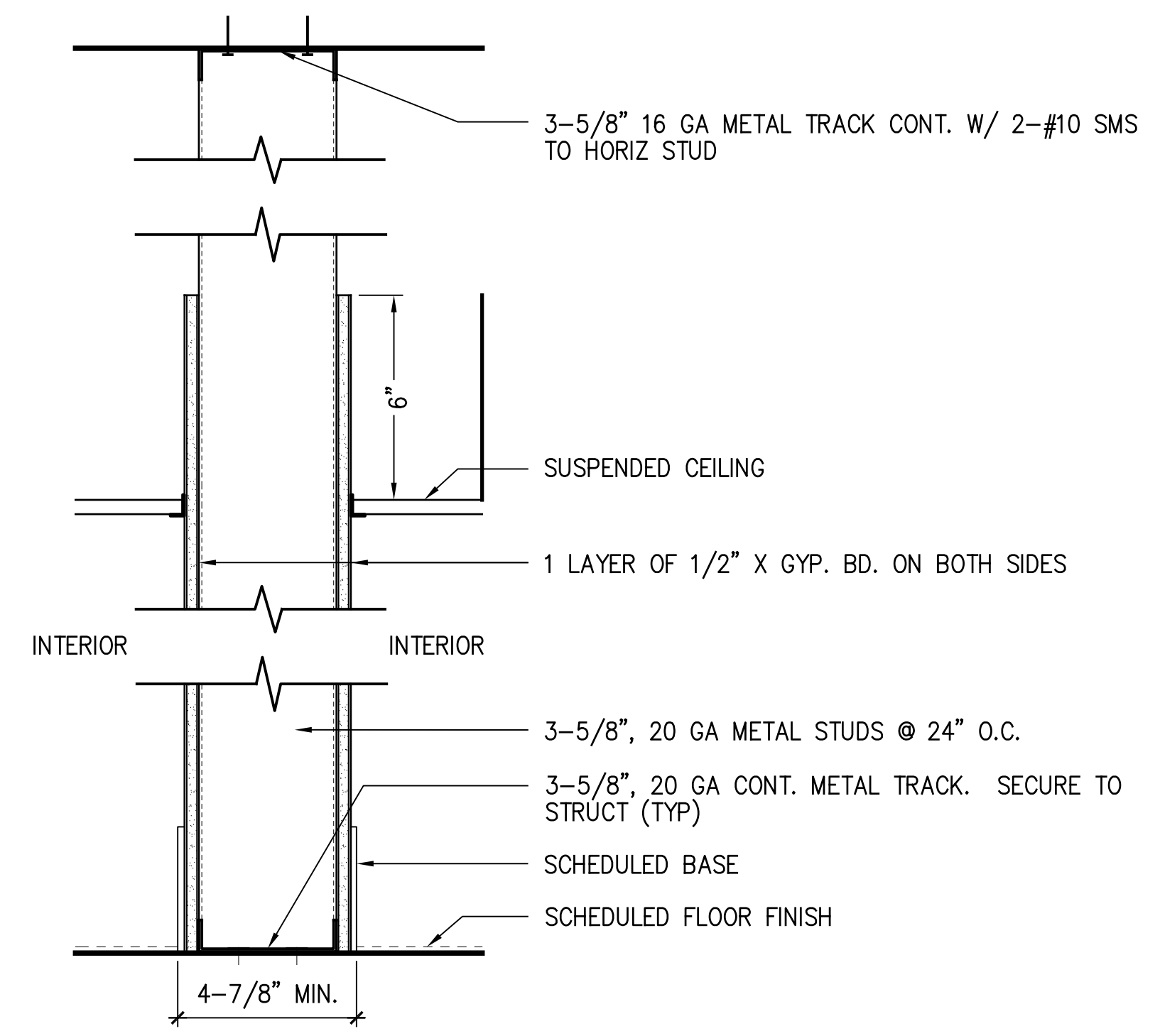
ONE LAYER CHAINLINK SECURED TO RAILS AND POLES WITH TENSION BRACE BANDS AND VERTICAL TENSION BARS AND RAIL TIES, VERTICAL POLES WELDED TO BASE PLATES SECURED INTO CONCRETE SLAB WITH BOLTS.

P2 NON-RATED CHAINLINK PARTITION



1 NON-RATED PARTITION
 SCALE: 3"=1'-0"

NOTE: COMPRESSION STRUT SHALL NOT REPLACE HANGER WIRE. COMPRESSION STRUT CONSISTS OF A STEEL SECTION ATTACHED TO THE MAIN RUNNER WITH 2 - #12 STEEL METAL SCREWS AND TO STRUCTURE WITH 2 - #12 SCREWS TO WOOD OR 1/4" MIN EXPANSION ANCHOR TO STRUCTURE. SIZE OF STRUT IS DEPENDENT ON DISTANCE BETWEEN CEILING AND STRUCTURE (L/R < 200). A 1" DIAMETER CONDUIT CAN BE USED FOR UP TO 6 FEET, A 1-5/8" X 1-1/4" METAL STUD CAN BE USED FOR UP TO 10 FEET.



2 NON-RATED PARTITION
 SCALE: 1/2"=1'-0"

ONE LAYER 1/2" GYPSUM WALLBOARD AT RIGHT ANGLES TO EACH SIDE OF 3-5/8" STEEL STUDS 24" O.C. WITH 1" TYPE S SCREWS 8" O.C. AT VERTICAL JOINTS AND 12" O.C. AT FLOOR AND CEILING RUNNERS AND INTERMEDIATE STUDS.

P1 NON-RATED PARTITION



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 WALL TYPES AND SECTIONS, DETAILS

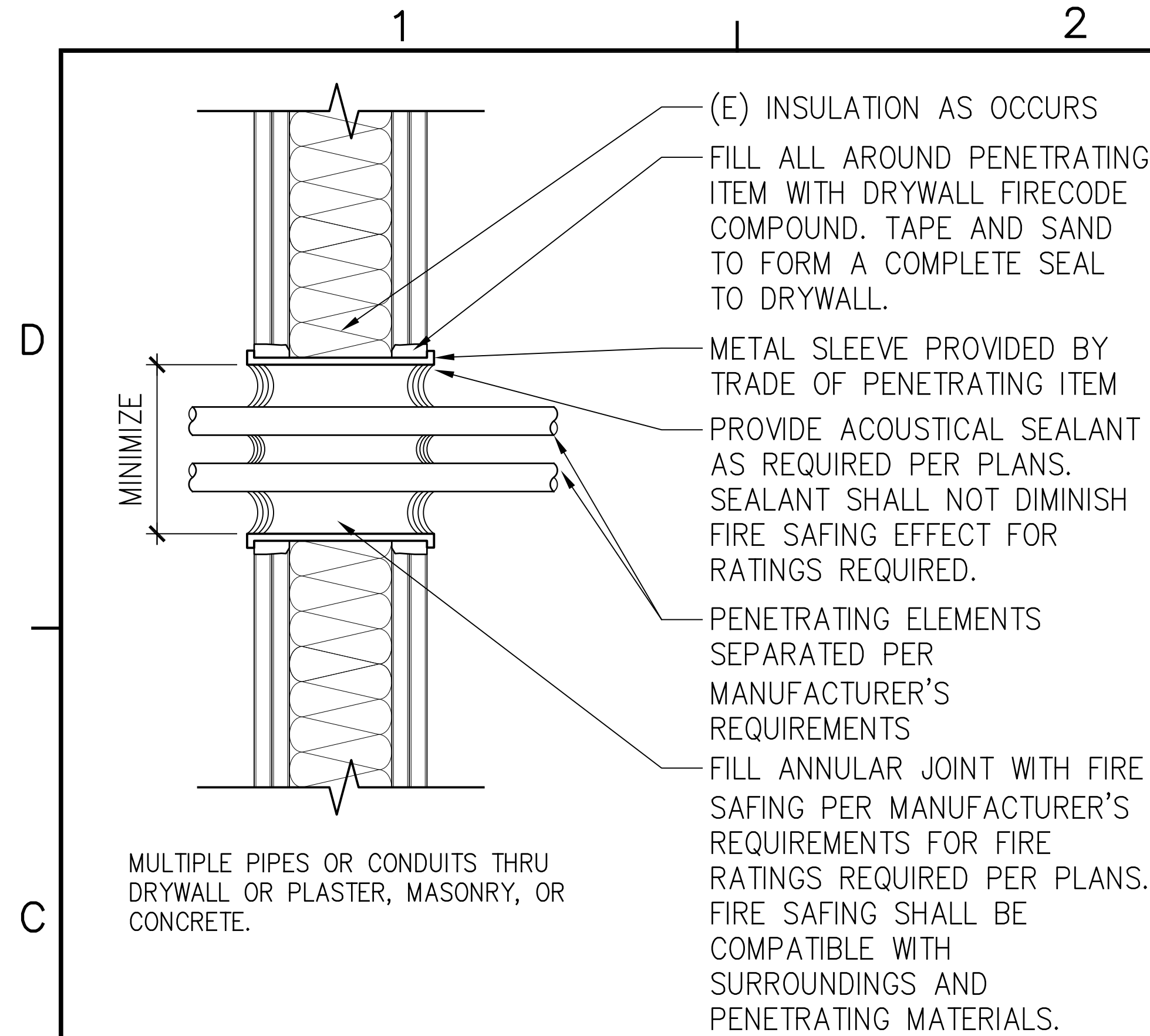
SCALE: 1-1/2" = 1' - 0"

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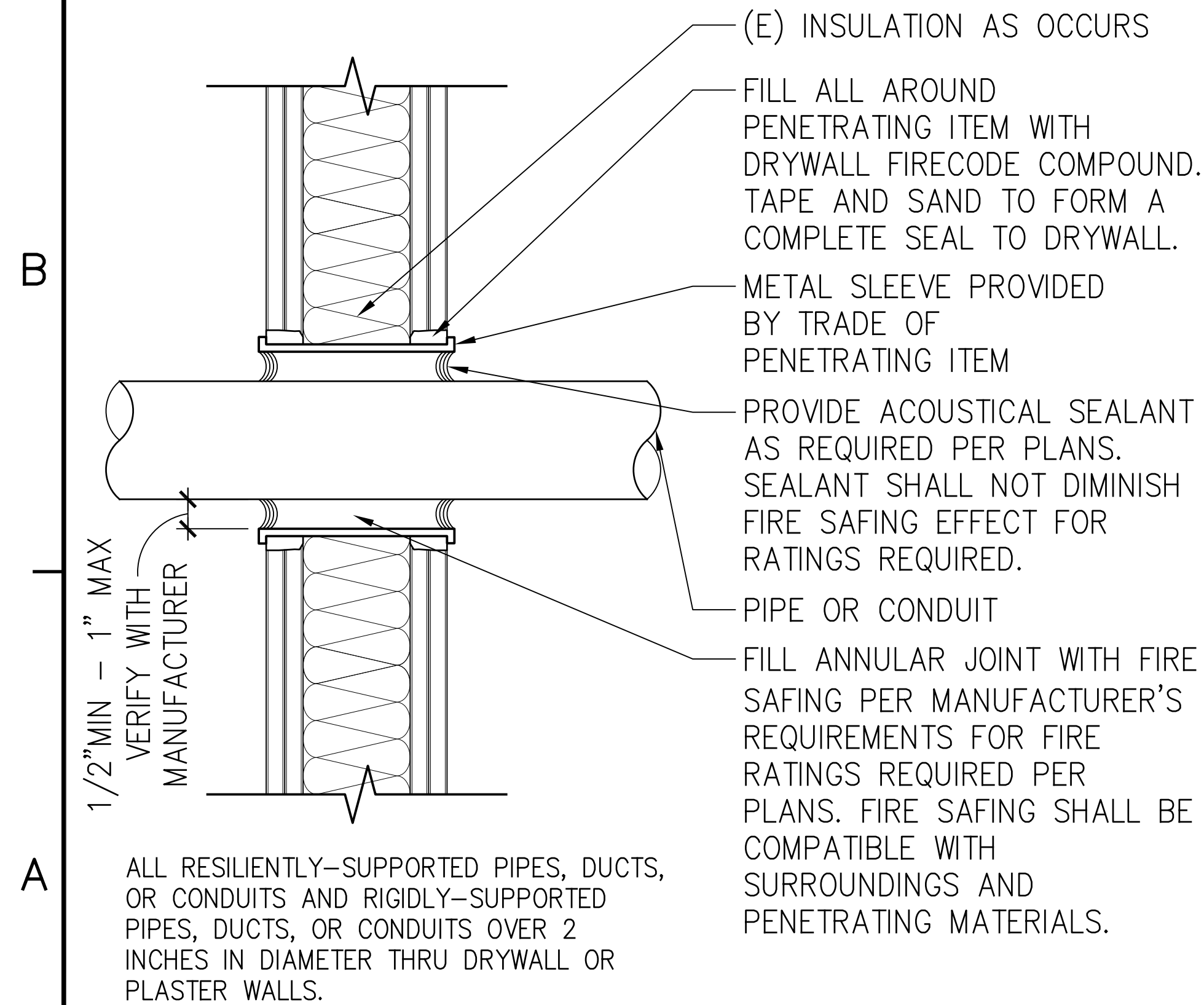
FEDERAL PROJECT NO. 15150013

SHEET 17 OF 36

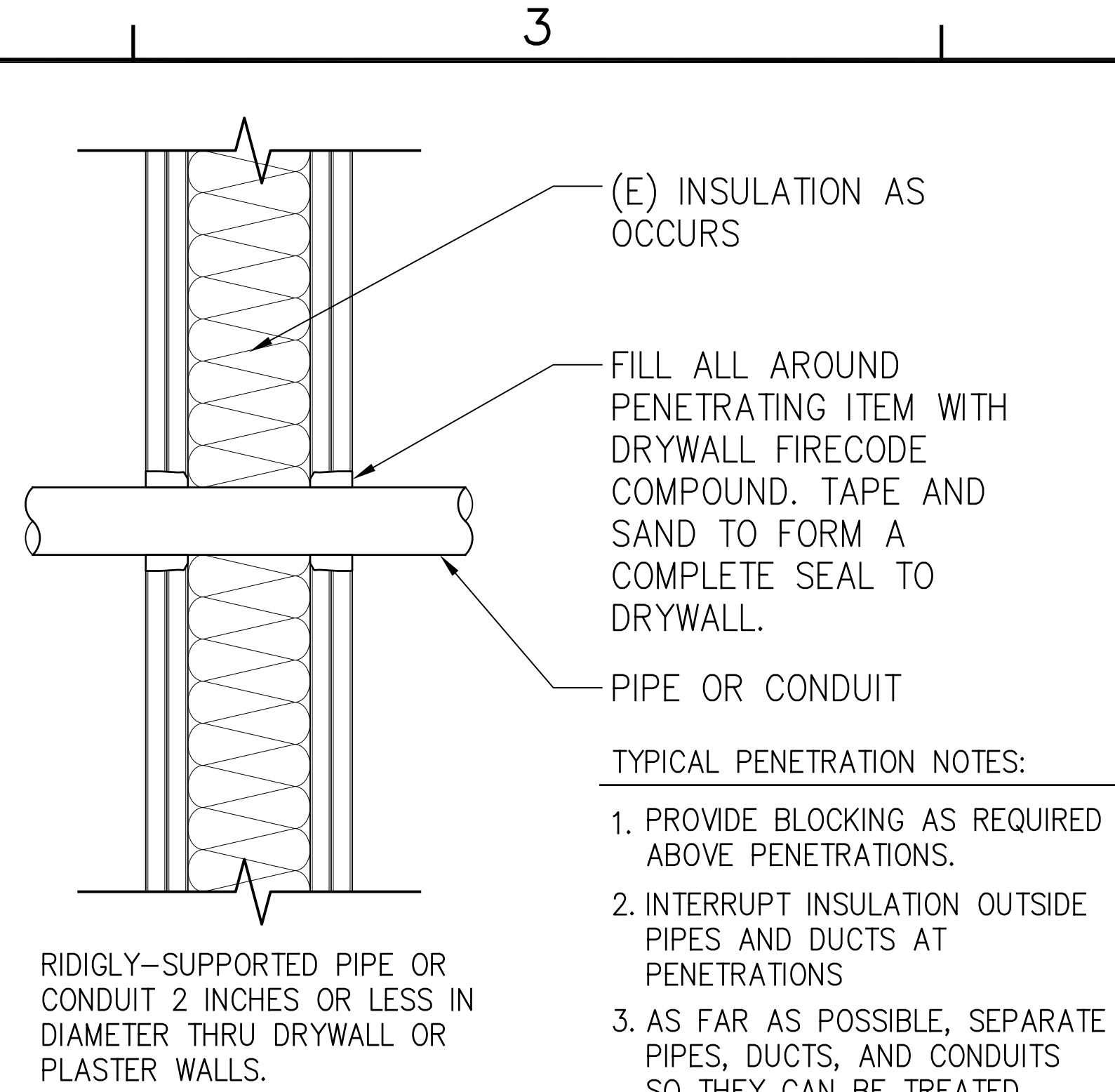
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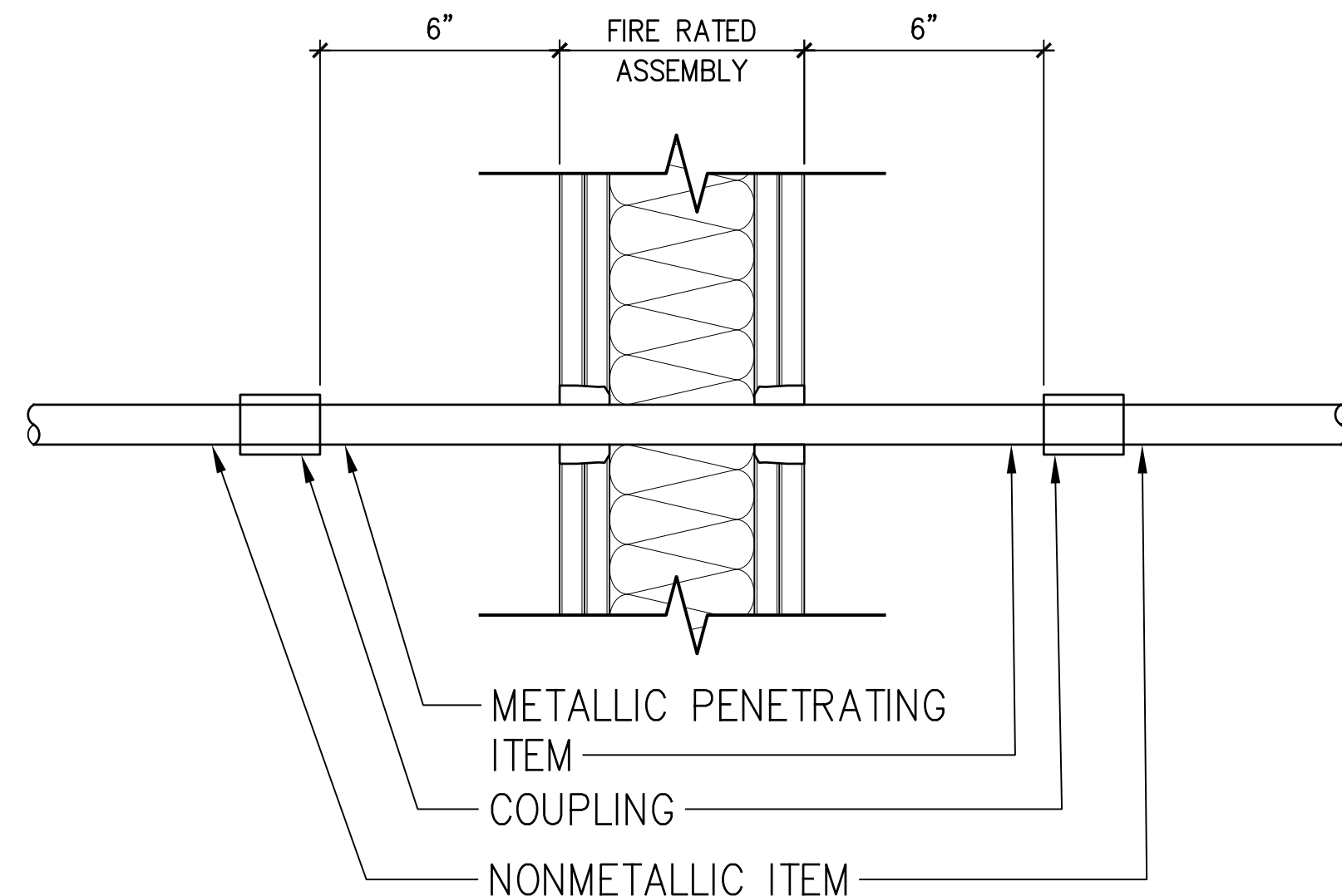
3 MULTIPLE PENETRATIONS THRU WALL
A904 SCALE: 3" = 1'-0"



2 2" MAX. PENETRATION THRU WALL
A904 SCALE: 3" = 1'-0"



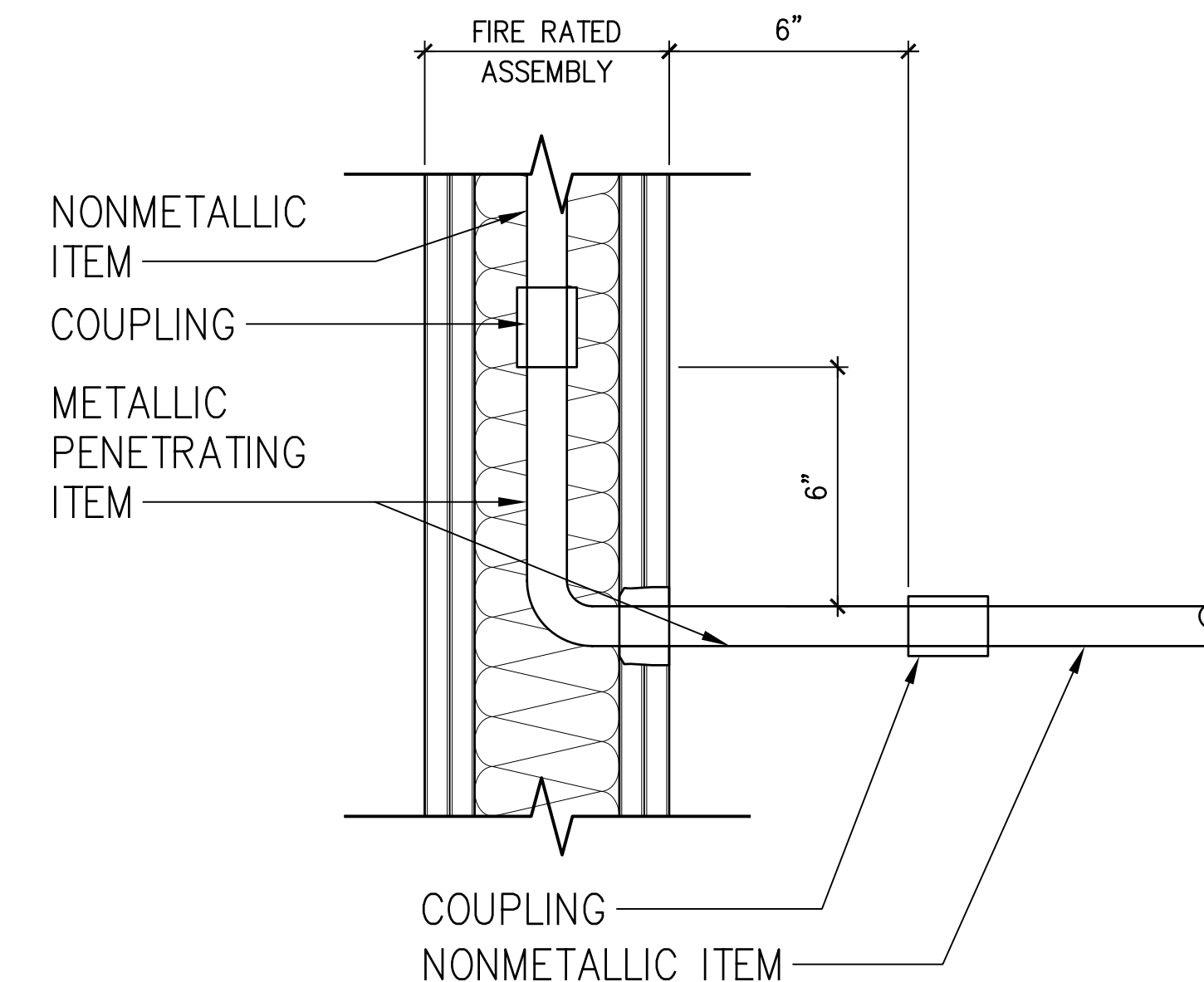
1 2" MIN. PENETRATION THRU WALL
A904 SCALE: 3" = 1'-0"



1 CONCRETE TO VCT TRANSITION
A904 SCALE: 1 1/2" = 1'-0"

FIRE SAFING NOTES

1. MATERIALS USED IN THE FIRE SAFING SYSTEMS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS PROVIDED WITH THE MATERIALS AND SHALL BE UL LISTED AS FIRE RATED PRODUCTS.
2. THE F AND T RATINGS OF THROUGH PENETRATION FIRE STOPS SHALL NOT BE LESS THAN THE FIRE RESISTANCE OF THE ASSEMBLY PENETRATED AND SHALL BE SUITABLE FOR THE METHOD OF, AND MATERIALS SURROUNDING THE PENETRATION AND PENETRATING ITEM.
3. SEE IBC 712.3.1 FOR ADDITIONAL THROUGH PENETRATION REQUIREMENTS. SEE IBC 712.4.1.2 FOR ADDITIONAL MEMBRANE PENETRATION REQUIREMENTS.
4. FIRE SAFING SYSTEMS ARE SPECIFIC FOR EACH VARYING CONDITION OF A FIRE RATED WALL OR FLOOR ASSEMBLY, THE PENETRATING ITEM(S), AND THE MATERIALS SELECTED TO PREVENT THE SPREAD OF FIRE THROUGH THE PENETRATION. THE SAFING MATERIALS DESIGNATED FOR USE IN FIRE ASSEMBLIES ARE NOT PROVIDED SPECIFIC FIRE RATINGS. SAFING MATERIALS SHALL BE SELECTED PER EACH MANUFACTURER'S TECHNICAL PRODUCT LITERATURE FOR EACH CONDITION ENCOUNTERED AND DOCUMENTED IN SHOP DRAWINGS FOR REVIEW BY THE MANUFACTURER, CONTRACTOR, BUILDING DEPARTMENT AND ARCHITECT.
5. REVIEW FULL PLAN SET FOR THE CONSTRUCTION ASSEMBLIES TO BE PENETRATED. REFER TO SPECIFICATION SECTION 07 84 00, FIRE STOPPING SYSTEMS
6. ALL PENETRATING ITEMS PENETRATING FIRE RATED WALL OR FLOOR ASSEMBLIES ARE REQUIRED TO BE METAL. THE METAL PENETRATING ITEM MUST EXTEND 6" BEYOND EACH SIDE OF THE ASSEMBLY BEFORE THE PENETRATING ITEM CAN CHANGE TO BE NONMETALLIC, SEE FIGURE ONE BELOW. IF THE PENETRATING ITEM PENETRATES ONLY ONE SIDE OF A FIRE ASSEMBLY, THE PENETRATING ITEM MUST EXTEND 6" BEYOND THE EXTERIOR OF THE ASSEMBLY AND 6" BEYOND THE PENETRATION WITHIN THE ASSEMBLY BEFORE THE PENETRATING ITEM CAN CHANGE TO BE NONMETALLIC, SEE FIGURE TWO BELOW. ANY PROPOSED PENETRATION OF A FIRE RATED ASSEMBLY BY A NONMETALLIC PENETRATING MUST BE SUBMITTED FOR APPROVAL PER THE REQUIREMENTS OF GENERAL NOTE 4 ABOVE.



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SYMBOL	DESCRIPTION	DATE	BY

SUBMITTAL PHASE			
100% FINAL DESIGN			
SUBMITTAL DATE			
12-18-15			
DES	JD	DRW	CHK

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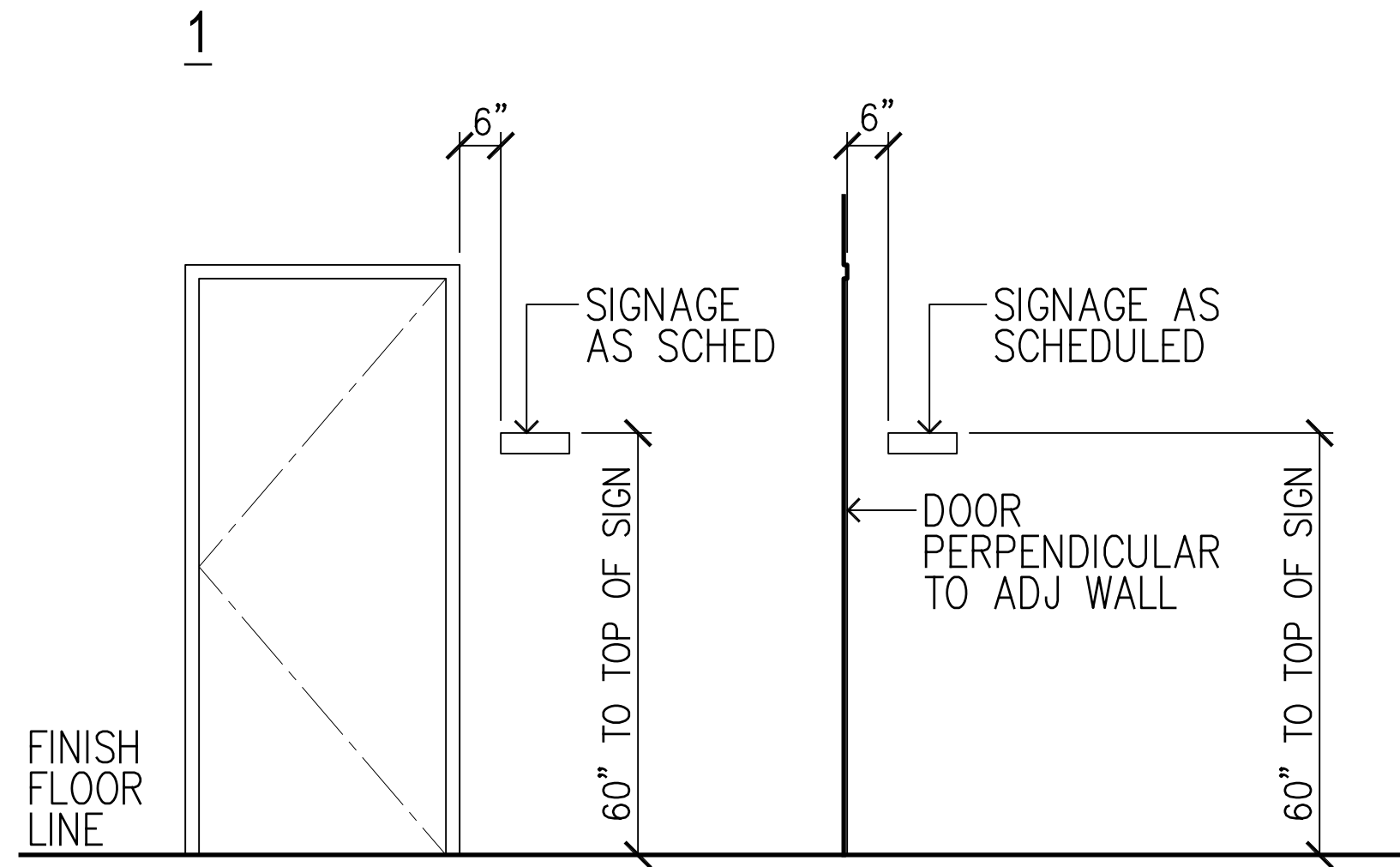
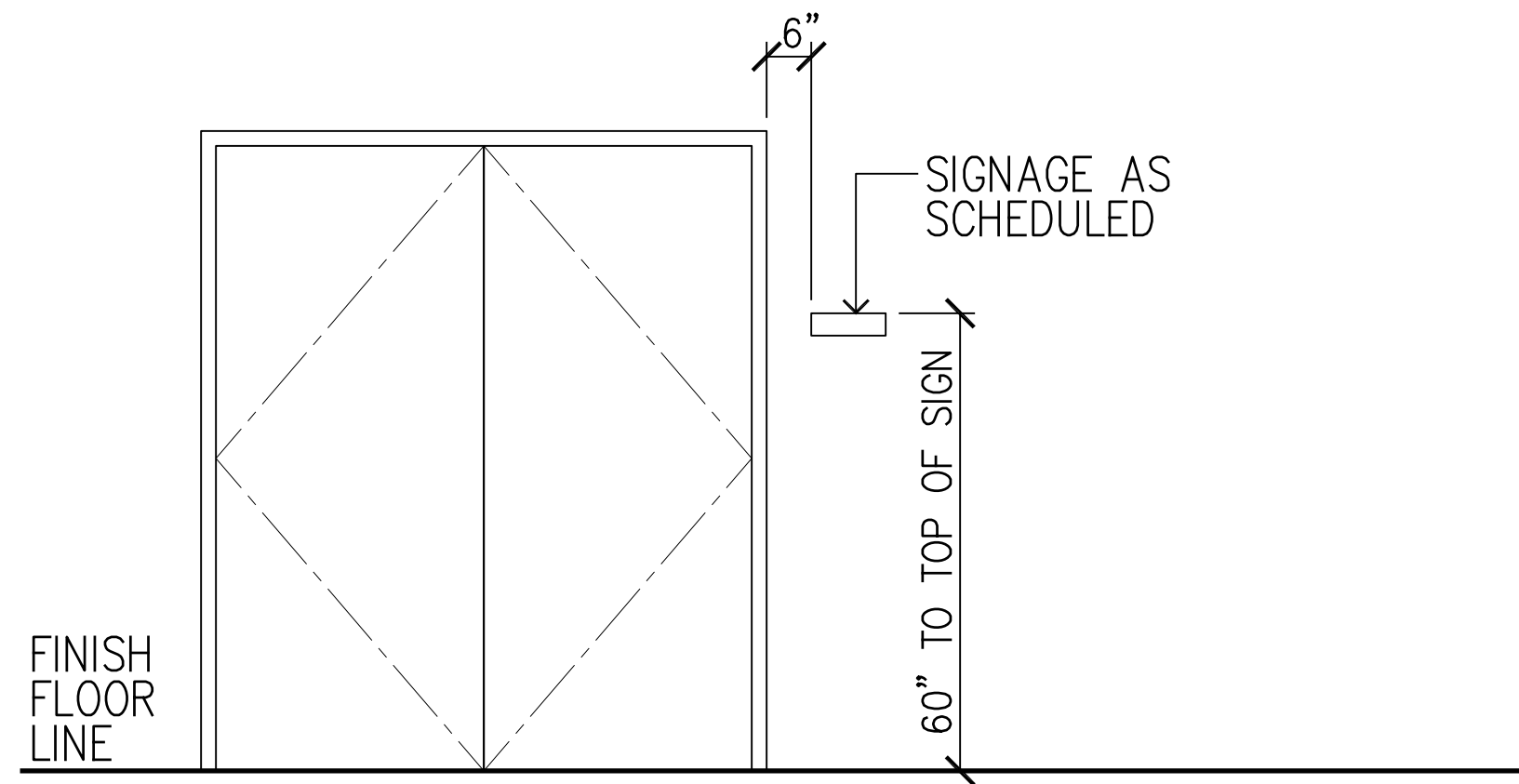
SCALE: VARIES
 STATE JOB NO. CA-1502-C
 FEDERAL PROJECT NO. 15150013
 SHEET 20 OF 36
A9.04

D

C

B

A



SIGNAGE NOTES:
 1. REFER TO ADAAG 703.3 BRAILLE & 703.2 RAISED CHARACTERS FOR FURTHER INFORMATION AND REQUIREMENTS.



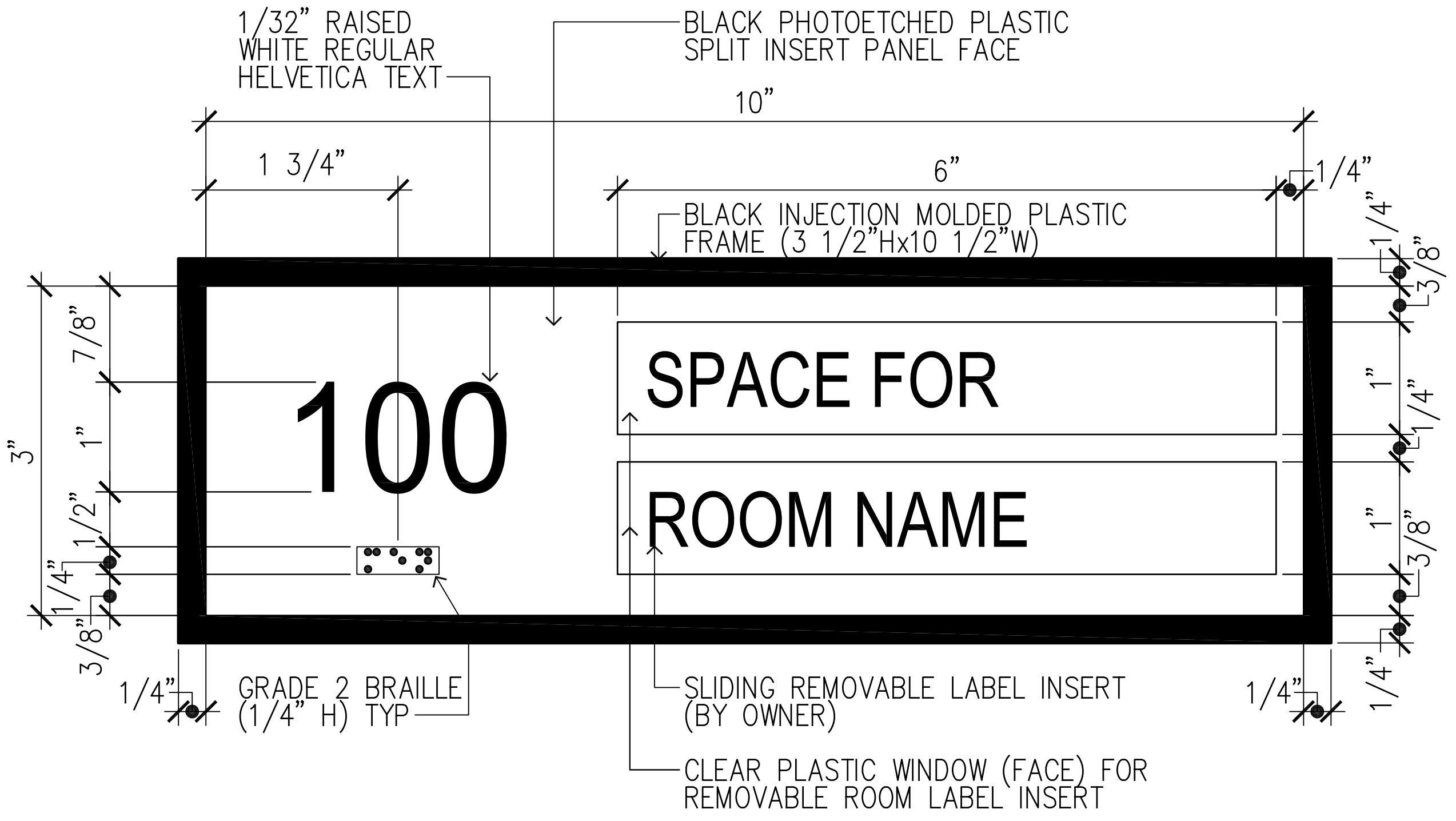
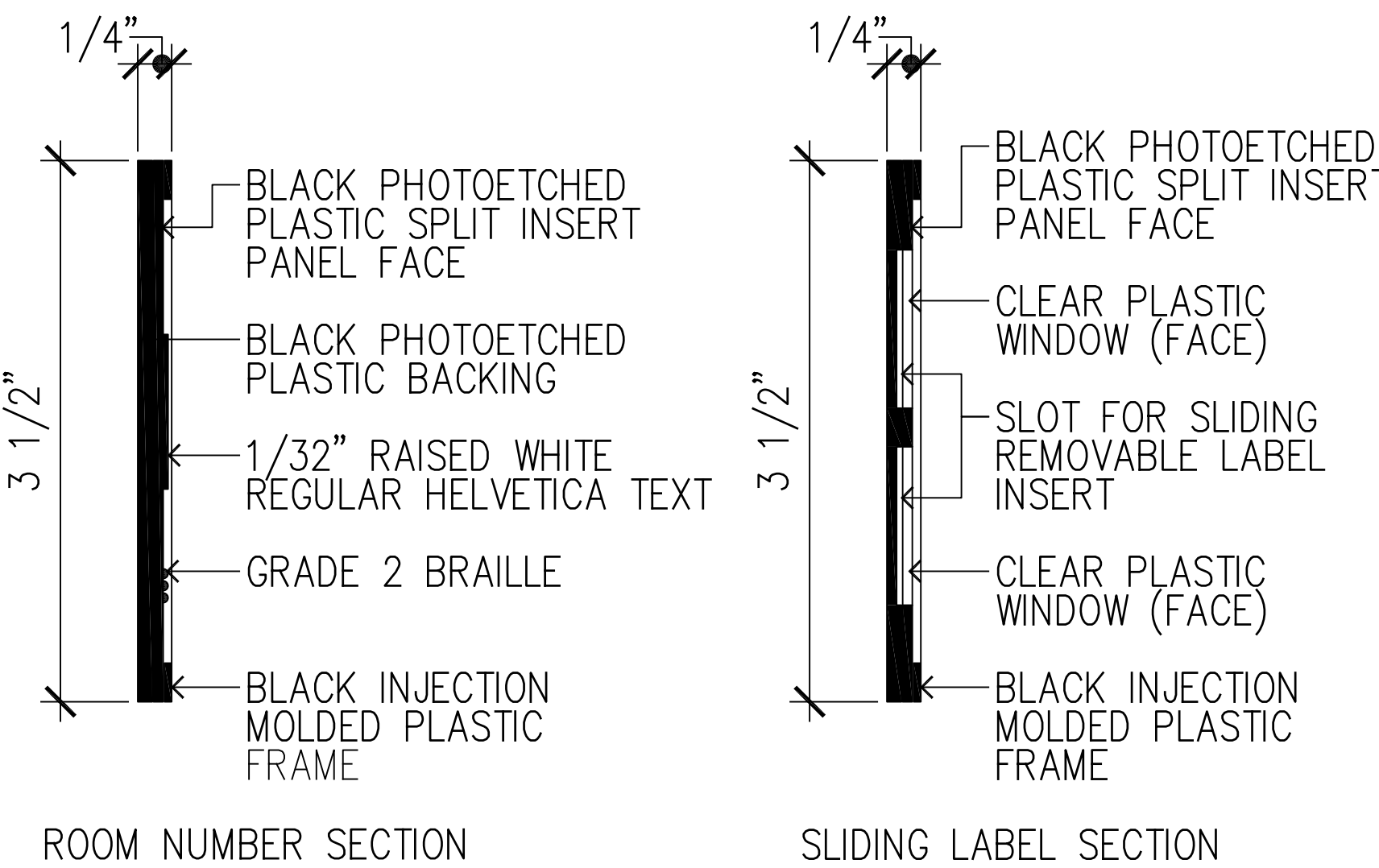
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DES	JD	DRW	FCA

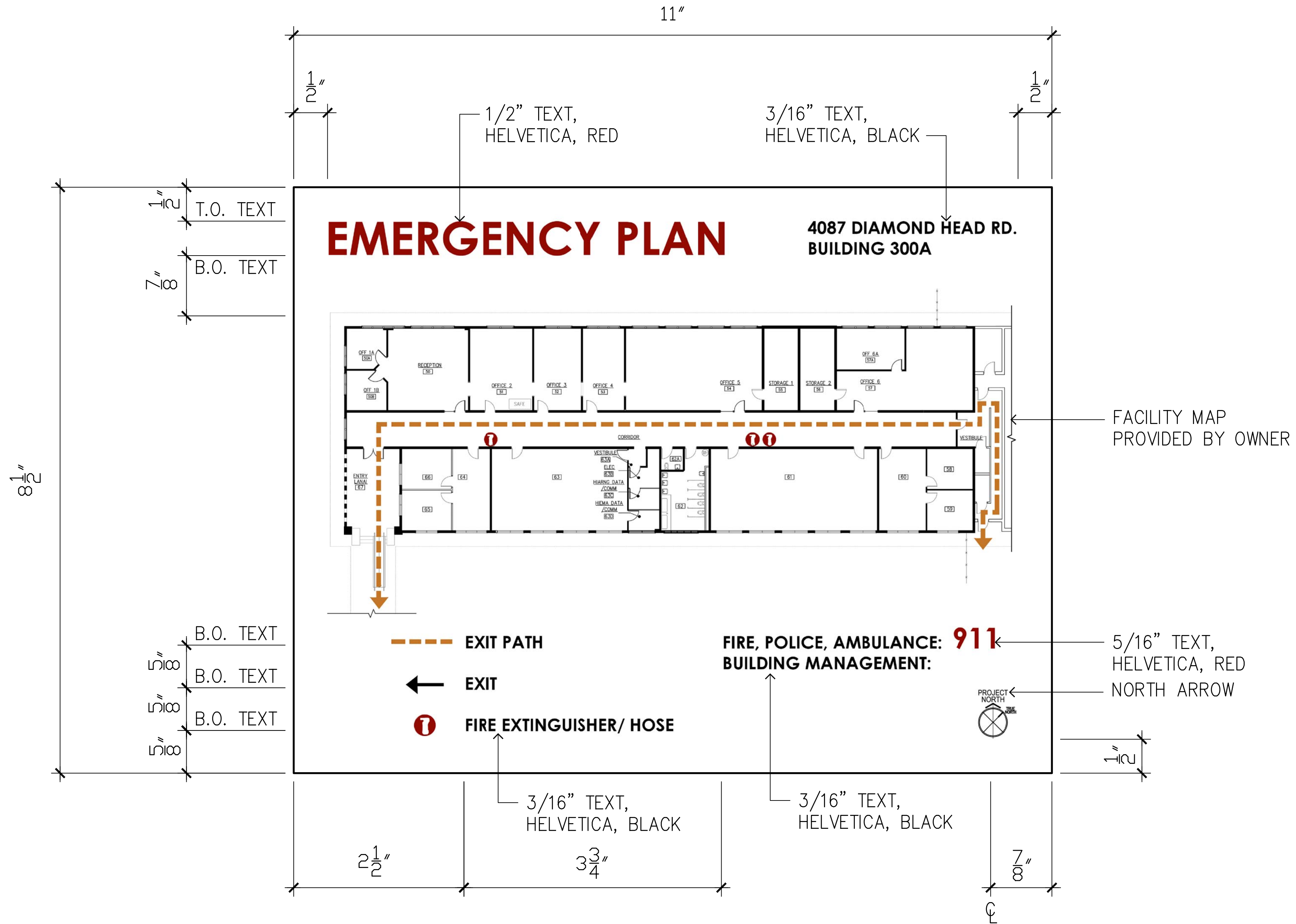
2 SIGNAGE PLACEMENT GUIDELINES
 A905 SCALE: 1/2" = 1'-0"



1 ROOM SIGN
 A905 SCALE: 1'-0" = 1'-0"

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FACILITY MANAGEMENT OFFICE	DESIGN AND PROJECT MANAGEMENT BRANCH
STATE OF HAWAII	DESIGN AND PROJECT MANAGEMENT BRANCH
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SIGNAGE	
SCALE:	VARIES
STATE JOB NO.	CA-1502-C
FEDERAL PROJECT NO.	15150013
SHEET	21 of 36
A9.05	

SIGNAGE NOTES:
 1. REFER TO A9.05 FOR MOUNTING DETAIL.



1
A906 EMERGENCY EXIT SIGN
 SCALE: 1'-0" = 1'-0"



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SUBMITTAL DATE
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SCALE:
 1'-0" = 1'-0"

STATE JOB NO.
 CA-1502-C

FEDERAL PROJECT NO.
 15150013

SHEET 23 OF 36

A9.06

MECHANICAL LEGEND

SYMBOLS	ABBR.	DESCRIPTION
AIR DISTRIBUTION		
		RECTANGULAR DUCTWORK A DENOTES SIDE VIEWED B DENOTES SIDE NOT VIEWED
		FLEXIBLE DUCTWORK REFER TO SCHEDULE
		SPIN-IN CONNECTION WITH DAMPER
		SQUARE BEND WITH TURNING VANES
		RADIUS BEND
		AIR FLOW DIRECTION
CONTROL		
		THERMOSTAT / ROOM TEMPERATURE SENSOR
PIPES		
	CD	CONDENSATE DRAIN
EQUIPMENT		
EQUIPMENT TYPE 	ACCU	CONDENSING UNIT
EQUIPMENT NUMBER 	FCU	FAN COIL UNIT
MISCELLANEOUS		
	CFM DWG	CUBIC FEET PER MINUTE DRAWING

BOARD OF WATER SUPPLY NOTES

PROJECT DOES NOT INCLUDE PLUMBING WORK

DEPARTMENT OF HEALTH NOTES

THE AIR CONDITIONING AND VENTILATION SYSTEM SHALL COMPLY WITH TITLE II, ADMINISTRATION RULES, DEPARTMENT OF HEALTH, CHAPTER 39, AIR CONDITIONING AND VENTILATION REQUIREMENTS.

MECHANICAL NOTES:

- A. INSULATION HAS NOT BEEN SHOWN FOR CLARITY. REFER TO SPECIFICATIONS.
- B. PROVIDE SMOOTH DUCT TRANSITIONS UNDER BEAMS WHERE REQUIRED ON BOTH HIGH AND LOW PRESSURE DUCTS.
- C. USE OF FLEXIBLE DUCTWORK IS RESTRICTED TO 6'-0" MAXIMUM LENGTH FROM AIR TERMINAL TO BRANCH DUCT.

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

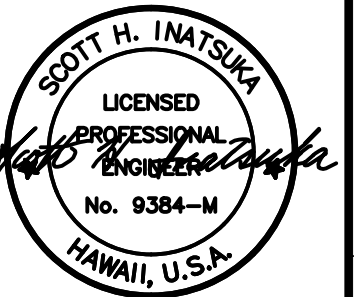
To the best of my knowledge, this project's design substantially conforms to the Building Energy Conservation Code for:

Building Component Systems
 Electrical Component Systems
 Mechanical Component Systems

Signature: Scott H. Inatsuka Date: 10/30/2015
 Name: SCOTT H. INATSUKA
 Title: MECHANICAL ENGINEER
 License No: 9384-M



INATSUKA ENGINEERING LLC
1003 Bishop Street, Suite 1900
Honolulu, HI 96813
Ph. 808.469.3200



LICENSE EXPIRES: APRIL 30, 2016
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND
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CONSTRUCTION OF CONSTRUCTION AS DEFINED IN THE CURRENT HAWAII
CONTRACTOR RULES PROFESSIONAL ENGINEERS, ARCHITECTS,
SURVEYORS AND LANDSCAPE ARCHITECTS

SYMBOL	DESCRIPTION	DATE	APPROVED

SUBMITTAL PHASE
100% FINAL DESIGN

SUBMITTAL DATE: 10-30-15

DES: JSP DRW: SD CHK: SI

STATE OF HAWAII
FACILITY MANAGEMENT OFFICE

DEPARTMENT OF DEFENSE
DESIGN AND PROJECT MANAGEMENT BRANCH

HAWAII ARMY NATIONAL GUARD
RENOVATION OF BUILDING 300A
4087 DIAMONDHEAD RD
FORT RUGER, HONOLULU, HI 96816

LEGEND, ABBREVIATIONS & NOTES

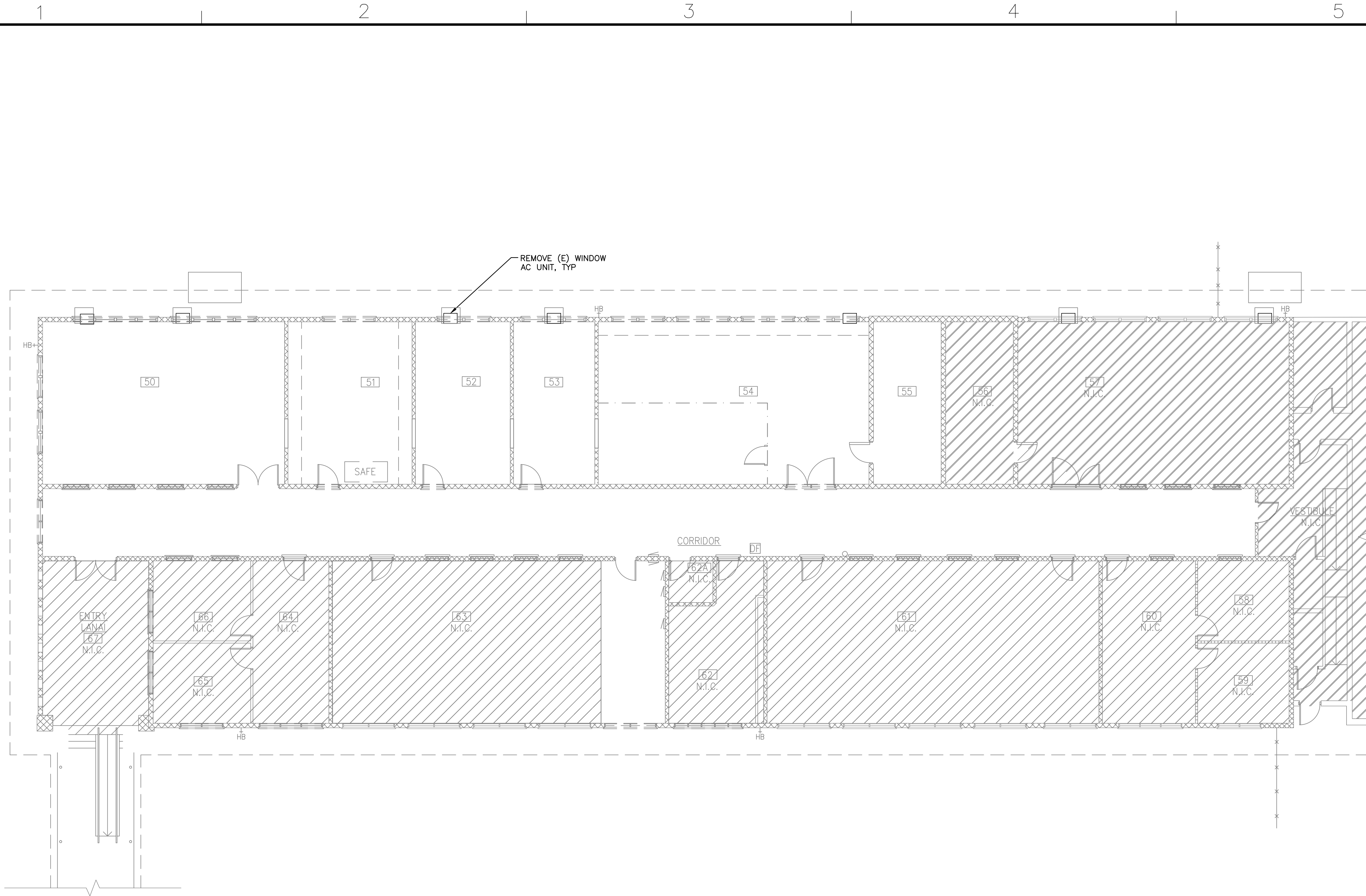
SCALE: NONE

STATE JOB NO. CA-1502-C

FEDERAL PROJECT NO. 15150013

SHEET OF

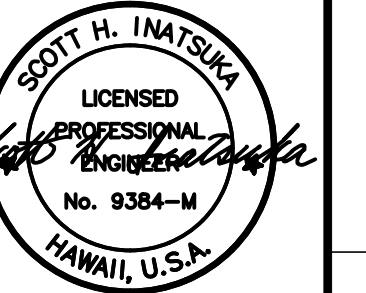
M0.01



(A) DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1' - 0"



INATSUKA ENGINEERING LLC
1003 Bishop Street, Suite 1900
Honolulu, HI 96813
Ph. 808.469.3200



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SURVEYORS AND LANDSCAPE ARCHITECTS)

SYN	DESCRIPTION	DATE	APPR

SUBMITTAL PHASE
100% FINAL DESIGN
SUBMITTAL DATE 10-30-15

DES JSP DRW SD CHK SI

STATE OF HAWAII
FACILITY MANAGEMENT OFFICE
HAWAII ARMY NATIONAL GUARD
DESIGN AND PROJECT MANAGEMENT BRANCH
RENOVATION OF BUILDING 300A
4087 DIAMONDHEAD RD
FORT RUGER, HONOLULU, HI 96816
DEMOLITION PLAN

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

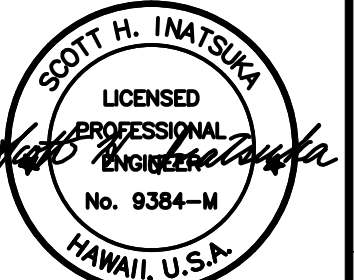
STATE JOB NO.
CA-1502-C

FEDERAL PROJECT NO.
15150013

SHEET OF
MD1.01



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 I AM A QUALIFIED PROFESSIONAL ENGINEER IN THE STATE OF HAWAII.
 I AM NOT PROVIDING ANY DESIGN OR CONSTRUCTION SERVICES IN ANY OTHER STATE.
 CONTRACTOR'S SEAL: PROFESSIONAL ENGINEER, ARCHITECT,
 SURVEYOR AND LANDSCAPE ARCHITECT

DATE	DESCRIPTION
APR 15, 2015	100% FINAL DESIGN

DES	JSP	DW	SD	CHK	SI
-----	-----	----	----	-----	----

STATE OF HAWAII
 FACILITY MANAGEMENT OFFICE

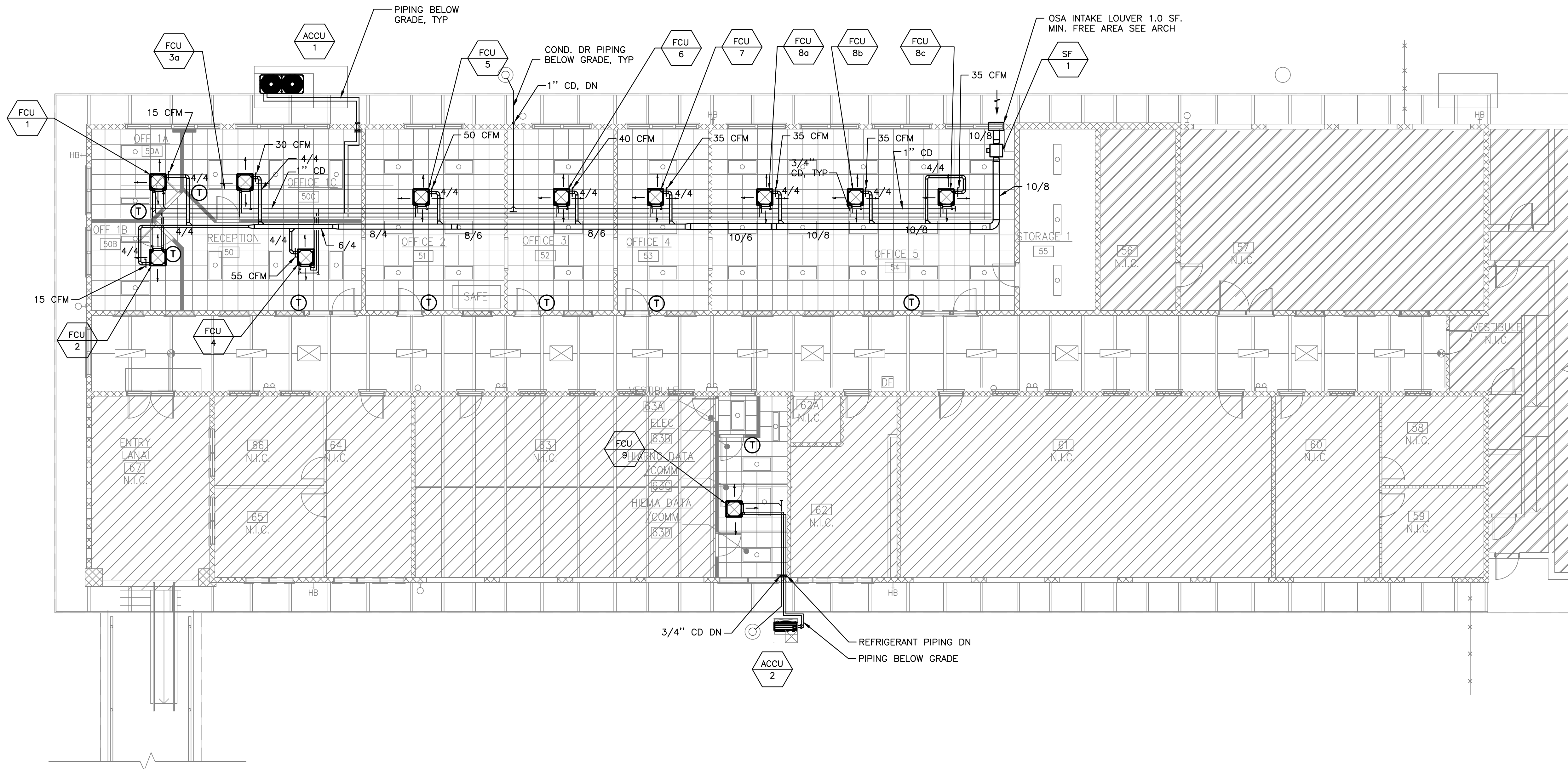
DEPARTMENT OF DEFENSE
 DESIGN AND PROJECT MANAGEMENT BRANCH

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 RENOVATION OF BUILDING 300A
 4087 DIAMONDHEAD RD
 FORT RUGER, HONOLULU, HI 96816

NEW FLOOR PLAN

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

STATE JOB NO. CA-1502-C
 FEDERAL PROJECT NO. 15150013
 SHEET M1.01 OF



(A) NEW FLOOR PLAN
 SCALE: 1/8" = 1' - 0"

D

C

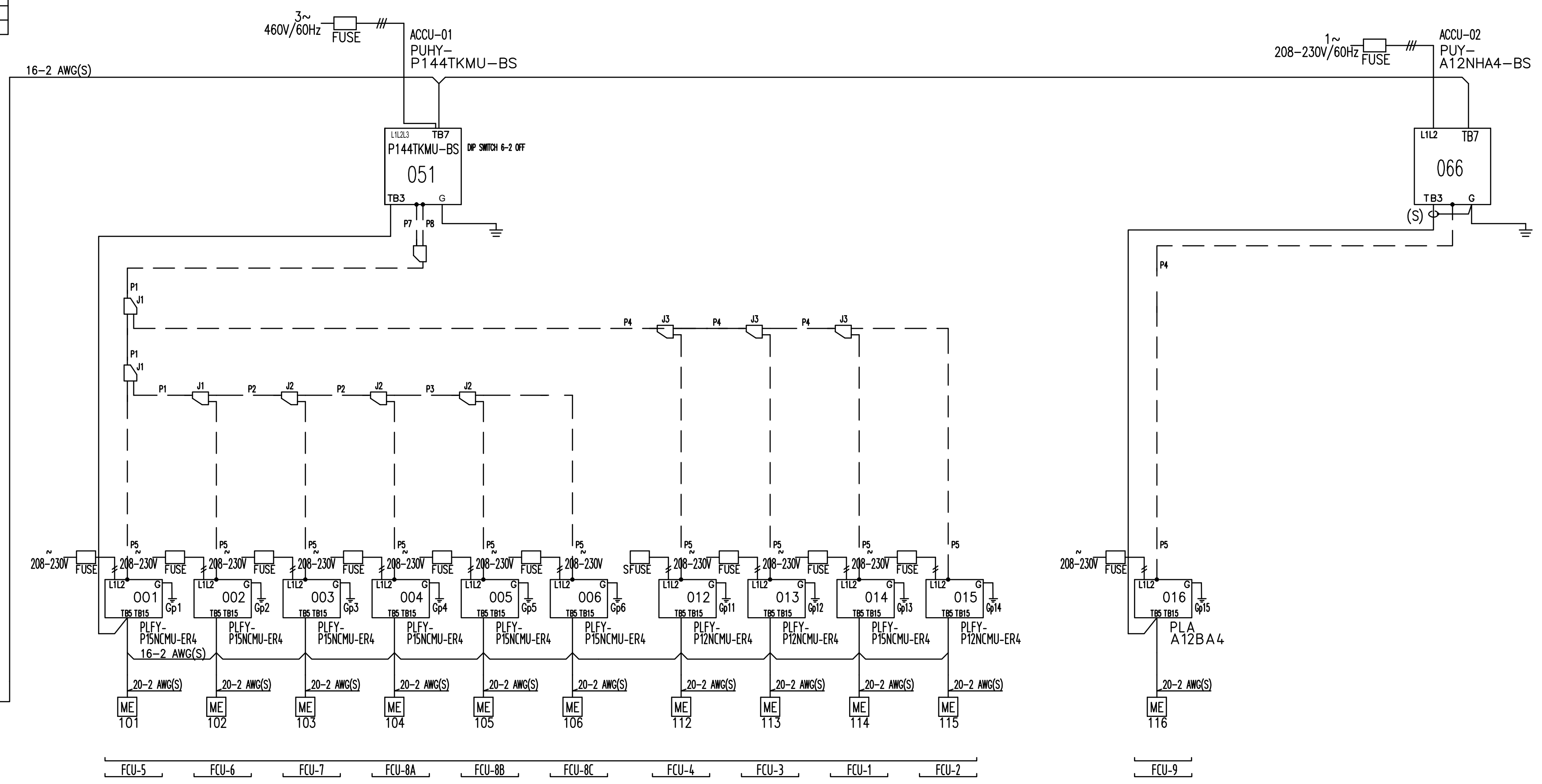
B

A

National Guard		CONT. No.	PAGE
DIAGRAM SYMBOL LEGEND			
---#---	POWER WIRE		
---	CONTROL WIRE		
---	REF. PIPE		

PIPING LIST		
SYMBOL	BRANCH PIPE MODEL NAME	
J1	CMY-Y202S-G2	
J2	CMY-Y102S-G2	
J3	CMY-Y102S-G2	
J4	CMY-Y62-G-E	
SYMBOL LIQUID PIPE/GAS PIPE SIZE		
P1	5/8	1-1/8
P2	1/2	1-1/8
P3	3/8	7/8
P4	3/8	5/8
P5	1/4	1/2
P6	3/8	1/2
P7	3/8	7/8
P8	3/8	7/8
P9	1/2	7/8
P10	1/2	1-1/8

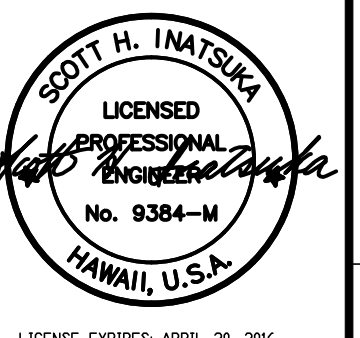
Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.
 1.25mm(16 AWG) : 1.25mm(16 AWG) or more. 0.75mm(20 AWG) : between 0.5mm(24 AWG) and 0.75mm(20 AWG).



① VRF REFRIGERANT PIPING AND CONTROLS DIAGRAM
 SCALE: NONE



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SYMBOL	DESCRIPTION	DATE	APPROVED

SUBMITTAL PHASE
 100% FINAL DESIGN

SUBMITTAL DATE: 10-30-15

DES	JSP	DW	SD	CHK	SI
-----	-----	----	----	-----	----

STATE OF HAWAII
 FACILITY MANAGEMENT OFFICE
 HAWAII ARMY NATIONAL GUARD
 DESIGN AND PROJECT MANAGEMENT BRANCH
 RENNOVATION OF BUILDING 300A
 4087 DIAMONDHEAD RD
 FORT RUGER, HONOLULU, HI 96816
 DIAGRAMS

SCALE: NONE

STATE JOB NO. CA-1502-C

FEDERAL PROJECT NO. 15150013

SHEET OF

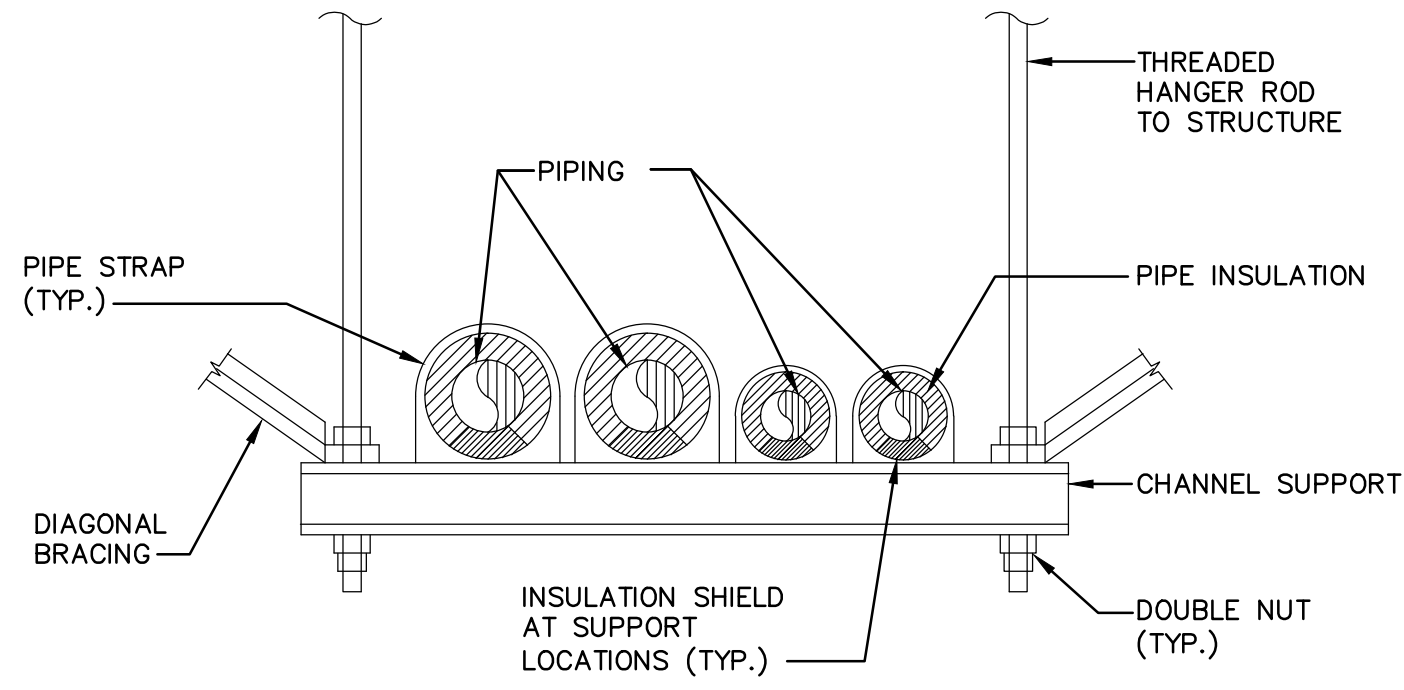
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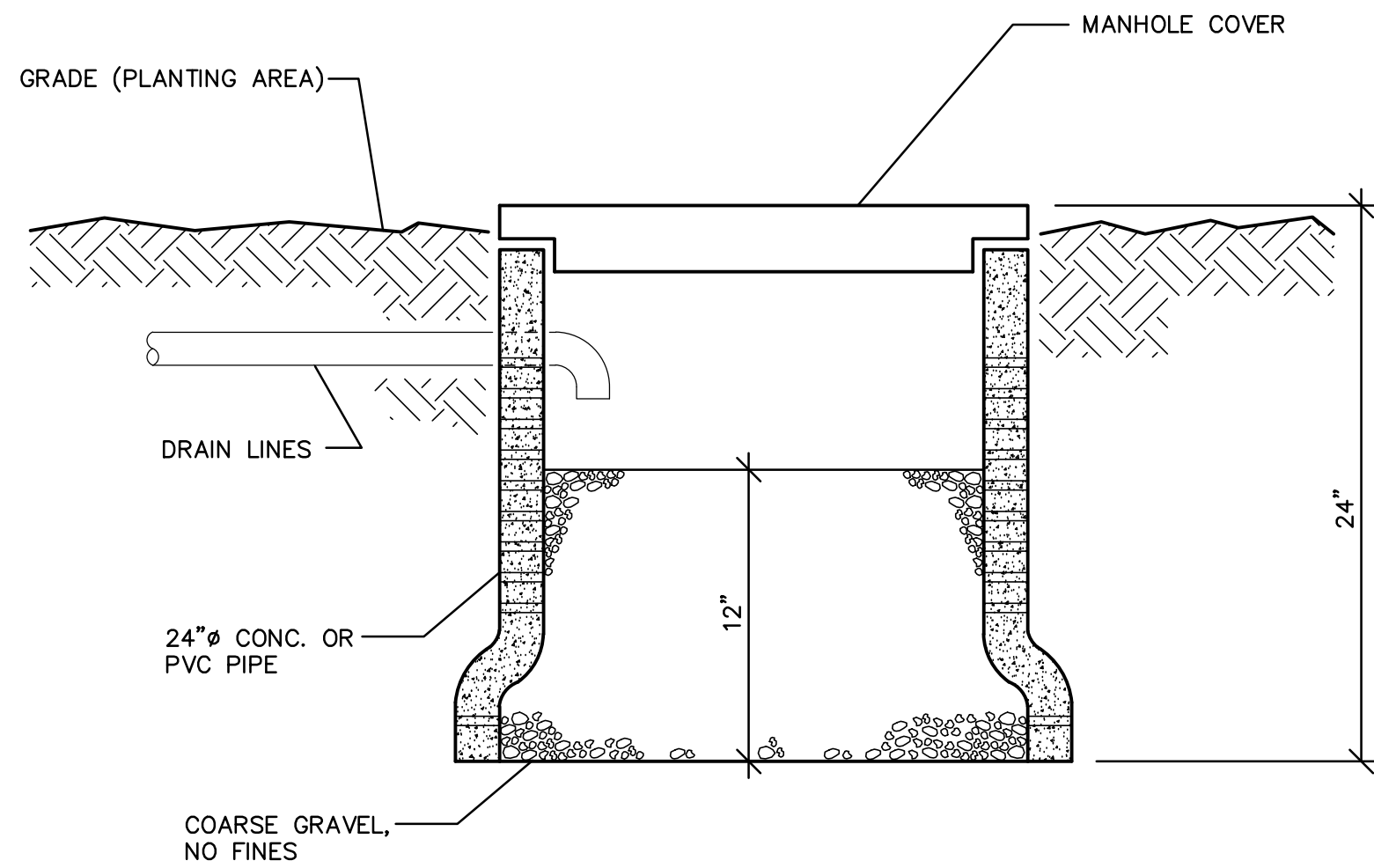
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A

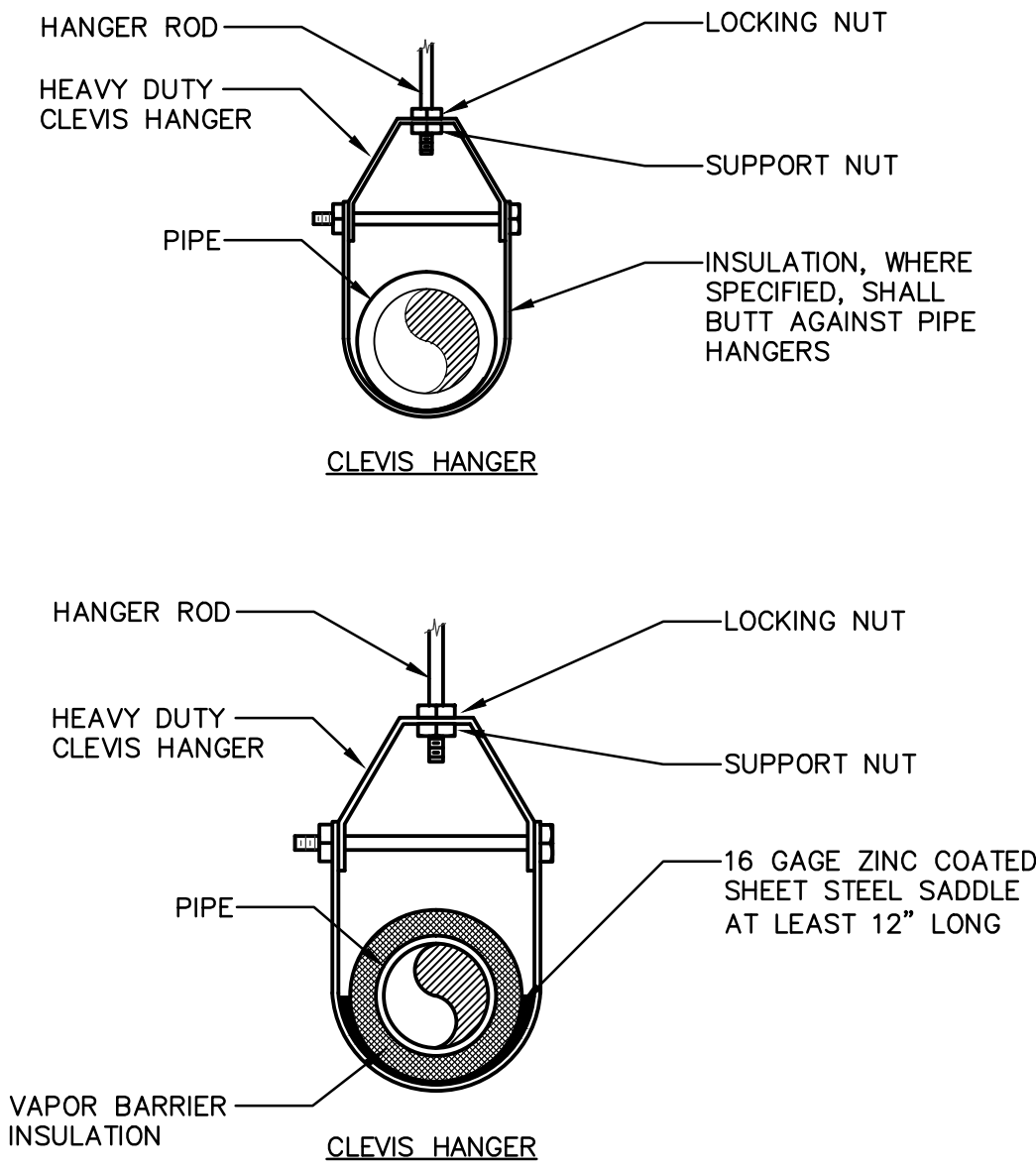


NOTE
A. PIPE SUPPORT INSTALLATION & SIZE CONFORM WITH SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS."

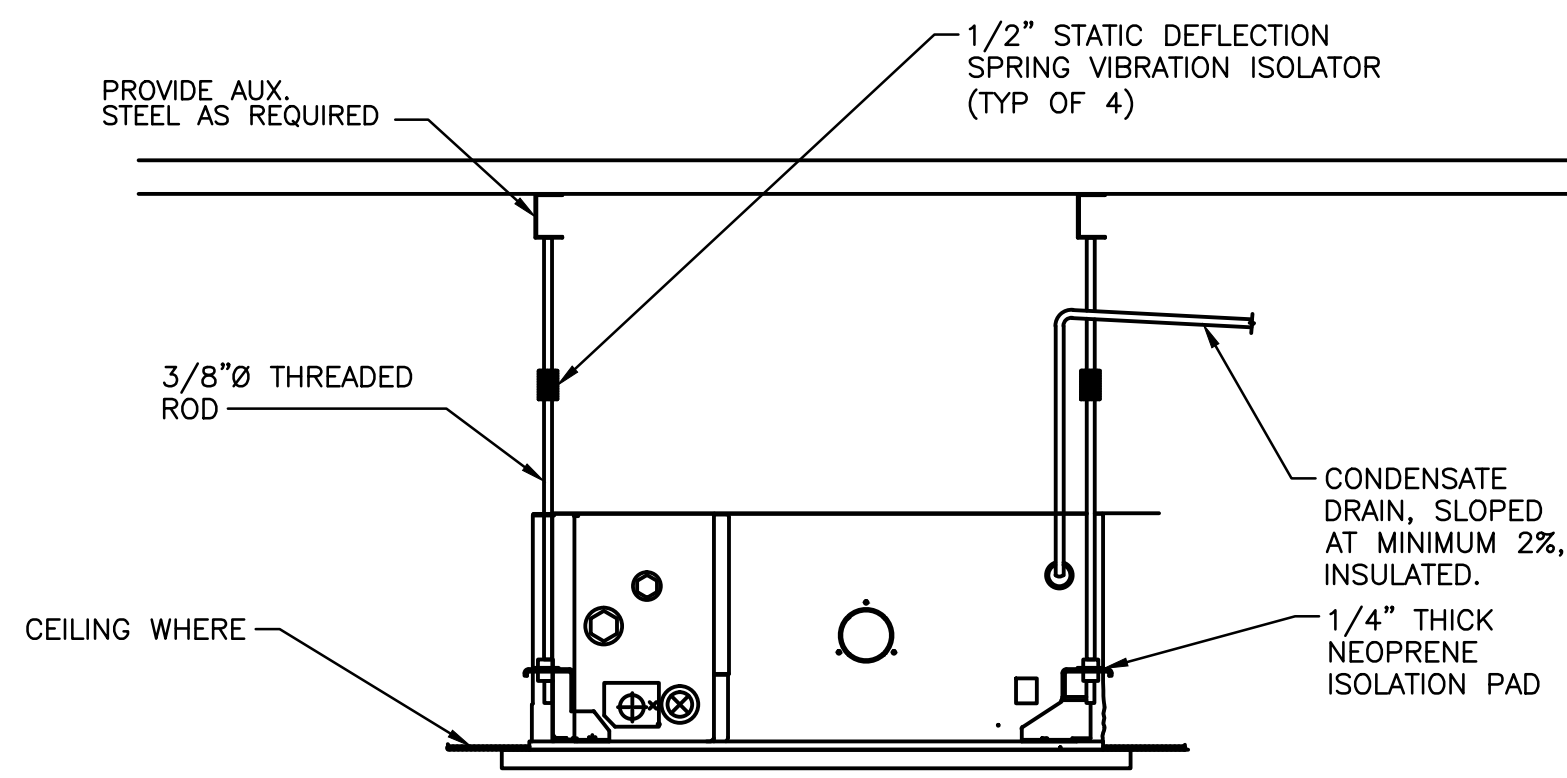
5 TRAPEZE SUPPORT DETAIL
SCALE: NOT TO SCALE



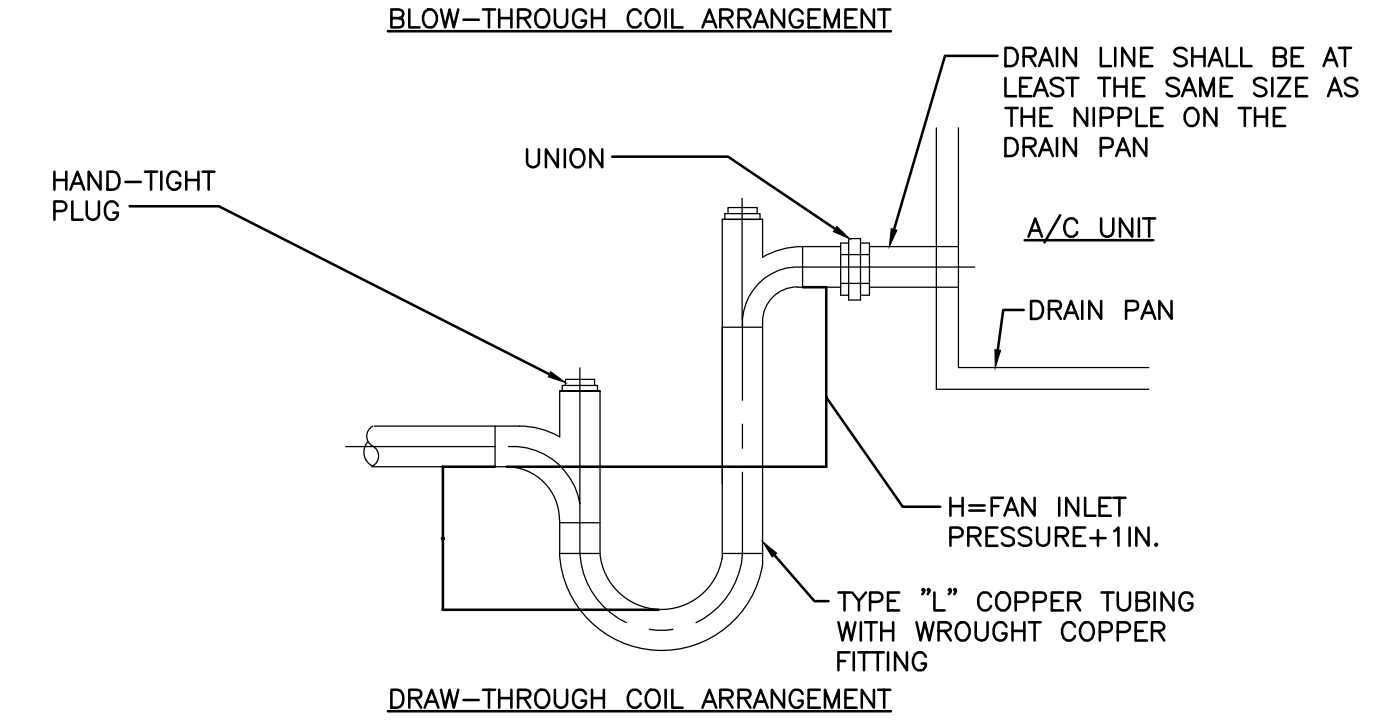
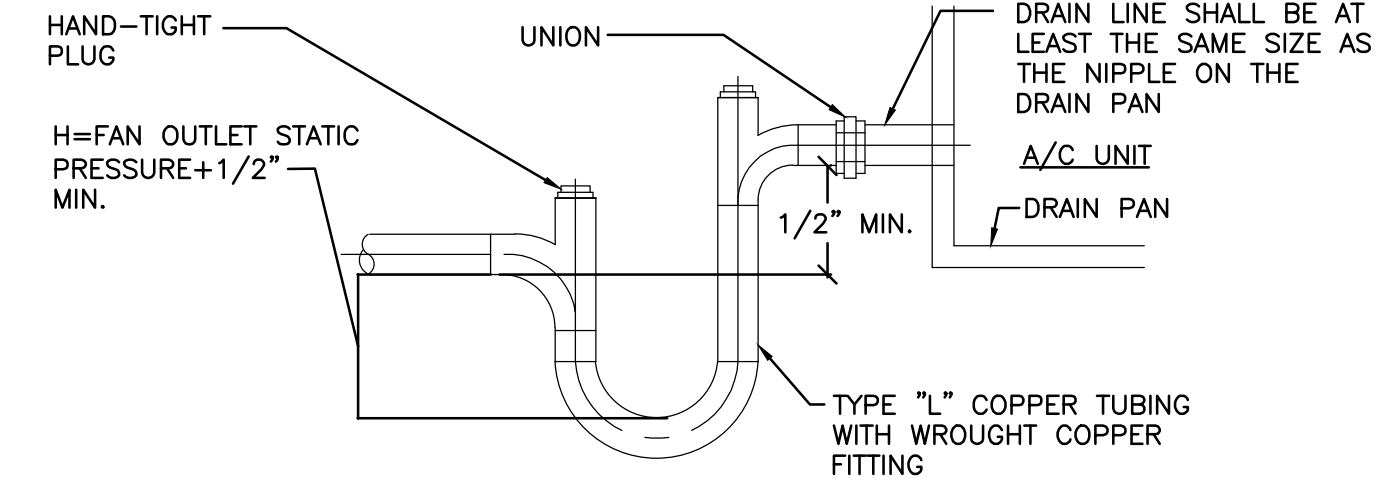
6 DRAIN PIT DETAIL
SCALE: NOT TO SCALE



3 PIPE SUPPORTS DETAIL
SCALE: NOT TO SCALE

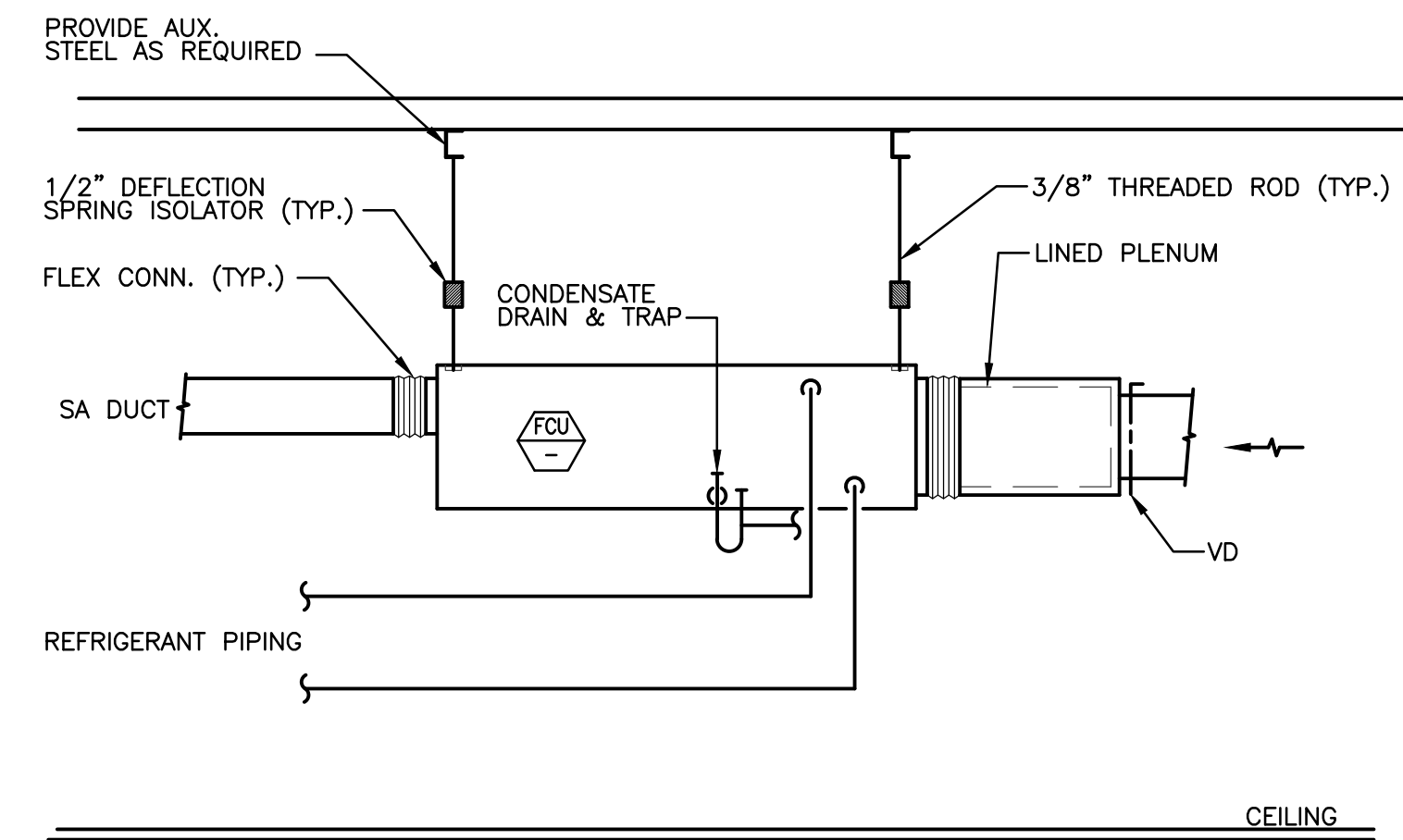


4 FAN COIL UNIT DETAIL
SCALE: NOT TO SCALE



NOTE:
1. CONDENSATE DRAIN LINE TO BE INSULATED, REFER TO SPECIFICATIONS.

1 CONDENSATE DRAIN
SCALE: NOT TO SCALE

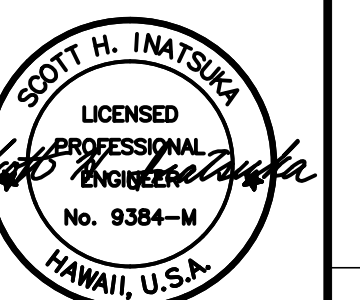


NOTE:
1. INSTALL UNIT AS HIGH AS POSSIBLE.

2 FAN COIL UNIT DETAIL
SCALE: NOT TO SCALE



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CAPACITY OR UNDER ANY OTHER LICENSE OR TITLE.

SYN	DESCRIPTION	DATE	APPR

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DES: JSP DRW: SO CHK: SI

10-30-15

DEPARTMENT OF DEFENSE
DESIGN AND PROJECT MANAGEMENT BRANCH

HAWAII ARMY NATIONAL GUARD

RENOVATION OF BUILDING 300A

4087 DIAMONDHEAD RD

FORT RUGER, HONOLULU, HI 96816

STATE OF HAWAII
FACILITY MANAGEMENT OFFICE

SCALE:

STATE JOB NO.
CA-1502-C

FEDERAL PROJECT NO.
15150013

SHEET OF

M3.01

DETAILS

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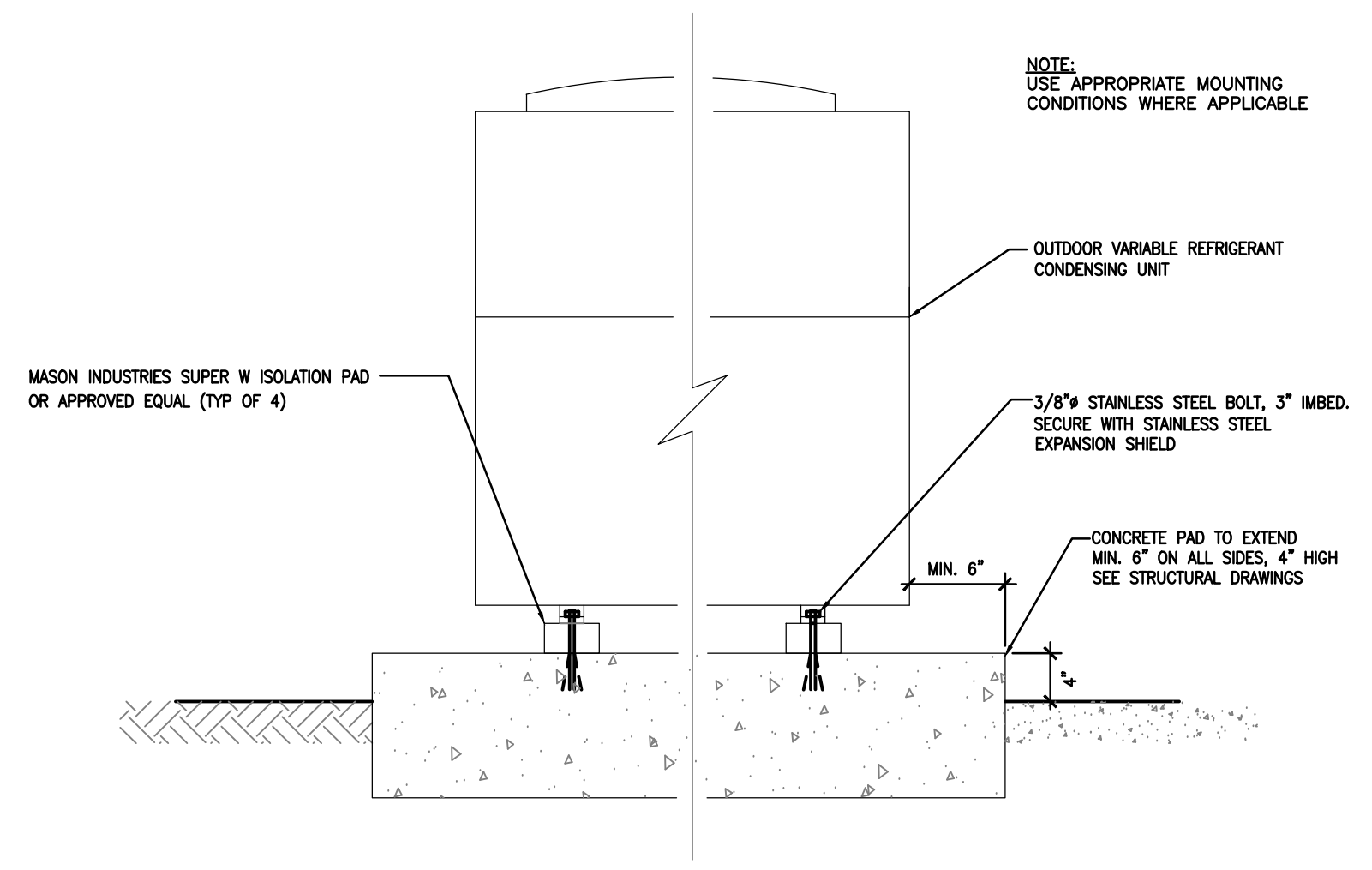
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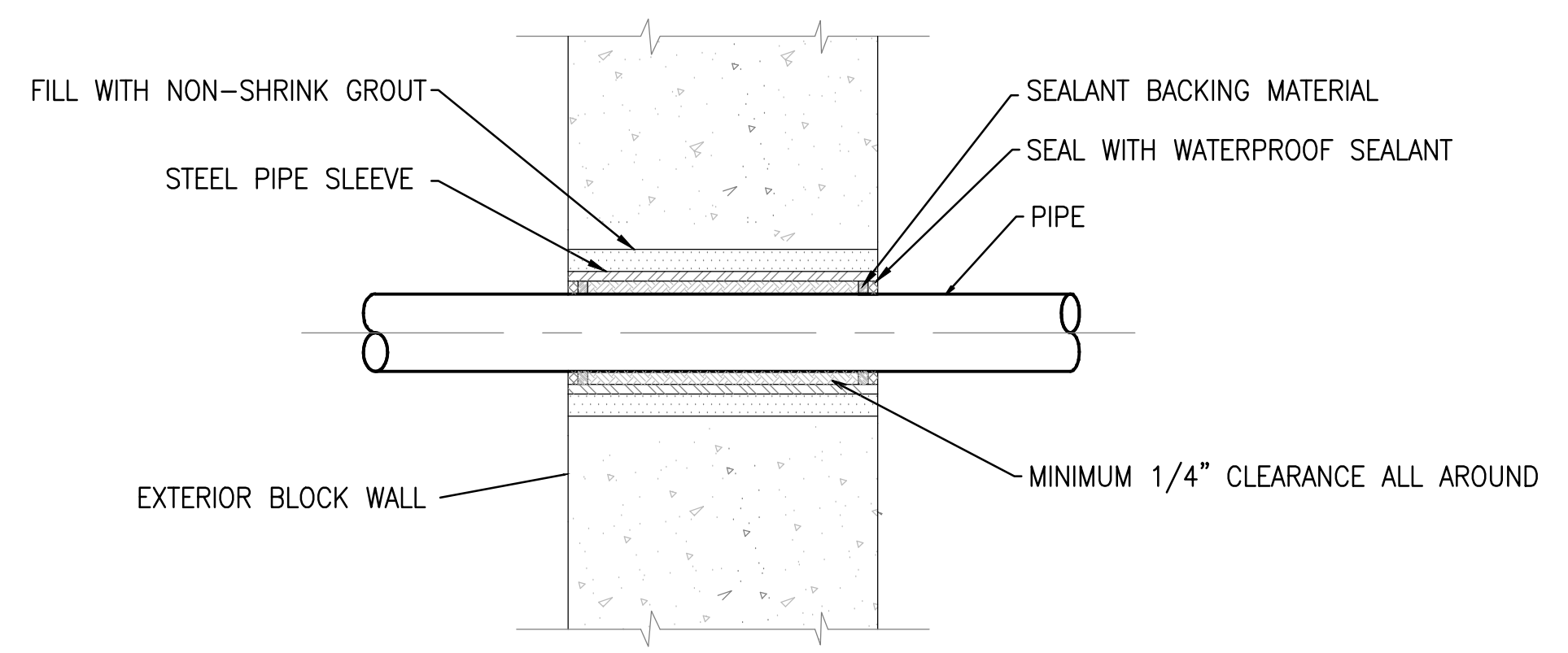
C

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A



① AIR-COOLED CONDENSING UNIT MOUNTING DETAIL
SCALE: NOT TO SCALE

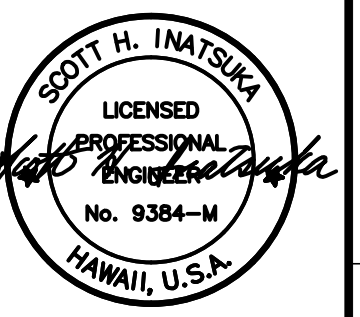


NOTE: REFER TO ARCHITECTURAL FOR FIRE SAFING.

② PIPE-THRU-WALL DETAIL
SCALE: NOT TO SCALE



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SYN	DESCRIPTION	DATE	APPR

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10-30-15

DES	JSP	DRW	SO	CHK	SI
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DEPARTMENT OF DEFENSE
DESIGN AND PROJECT MANAGEMENT BRANCH
HAWAII ARMY NATIONAL GUARD
RENOVATION OF BUILDING 300A
4087 DIAMONDHEAD RD
FORT RUGER, HONOLULU, HI 96816
DETAILS

STATE OF HAWAII
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STATE JOB NO.
CA-1502-C

FEDERAL PROJECT NO.
15150013

SHEET OF

M3.02

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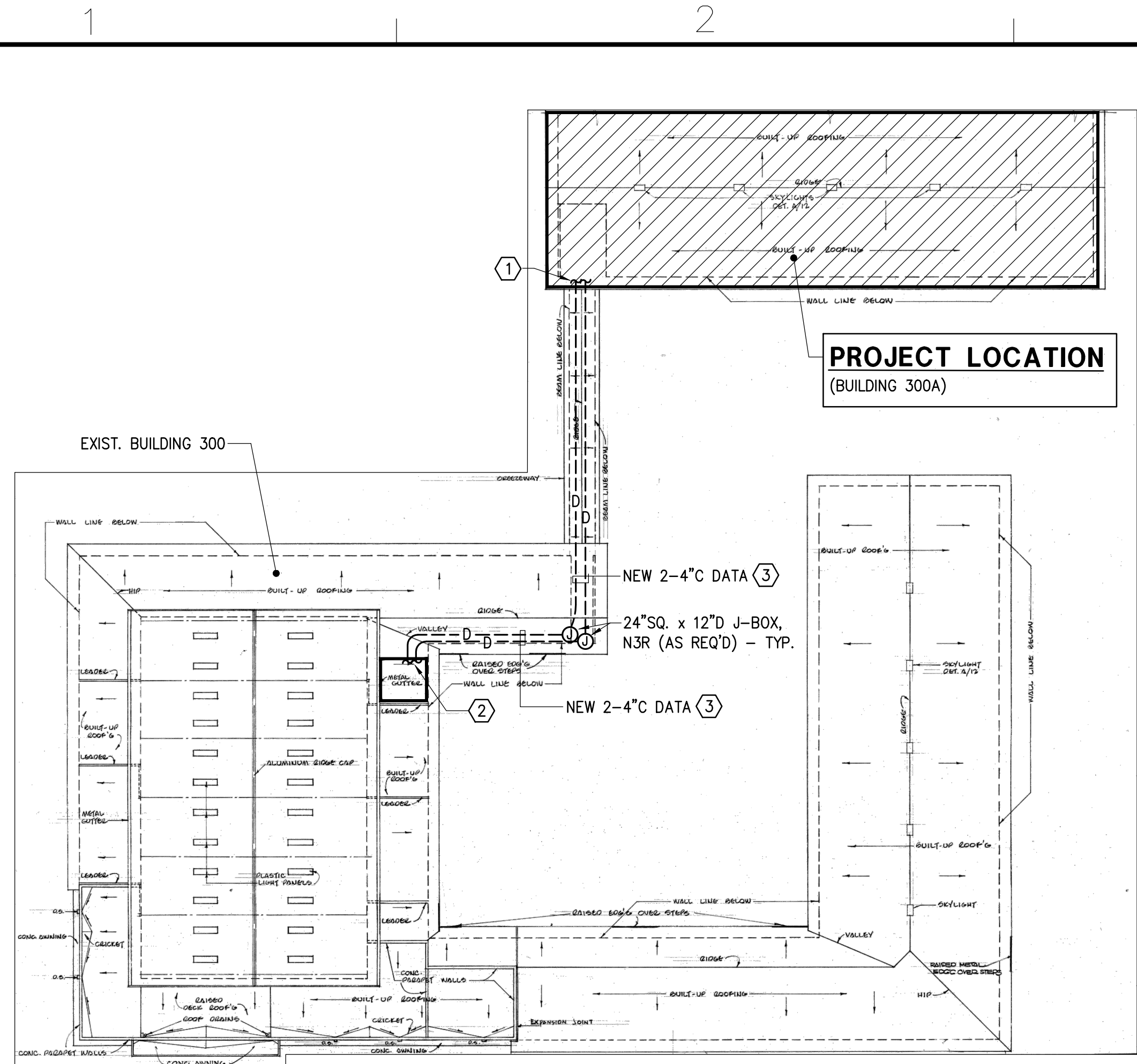
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A



TELECOMM CONDUIT ROUTING PLAN

SCALE: 1" = 40' (OPTIONAL WORK)

NOTES:

- ① TO NEW TEL/DATA ROOM. SEE SHT. E1.01 FOR CONTINUATION.
- ② TO EXIST BLDG 300 TELECOM RM. STUB AT EXISTING BACKBOARD. PROVIDE FIBER OPTIC CABLES IN 1-4" C - SEE DIAGRAM.
- ③ RUN TIGHT TO UNDERSIDE OF EXISTING WALKWAY ROOF/STRUCTURE.

LUMINAIRE SCHEDULE

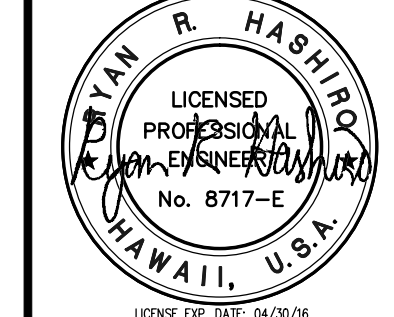
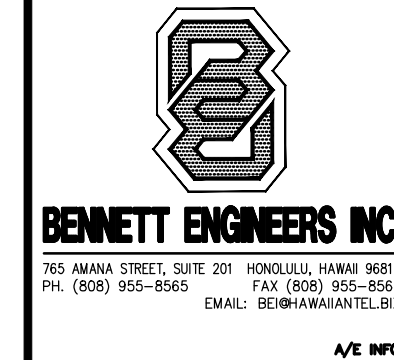
TYPE	DESCRIPTIONS	LAMP
①	LED PENDANT-MTD. 1'x4', ACRYLIC DIFFUSER, MULTIVOLT ELECTRONIC DRIVER COLUMBIA #LJT-14-35-LW-PM-FSA12 OR METALUX OR LITHONIA EQUAL	2500 LUMEN (25W), 3500K
①A	LED, SAME AS TYPE '1' EXCEPT SURFACE-MTD. COLUMBIA #LJT-14-35-LW-SM-FSA12 OR METALUX OR LITHONIA EQUAL	2500 LUMEN (25W), 3500K
②	LED RECESSED 2'x4' IN GRID CLG, ACRYLIC DIFFUSER, MULTIVOLT ELECTRONIC DRIVER COLUMBIA #LJT-24-35-LW-G-FSA12 OR METALUX OR LITHONIA EQUAL	4000 LUMEN (39W), 3500K
③	LED RECESSED 2'x4' IN GRD CLG, ACRYLIC DIFFUSER, MULTIVOLT ELECTRONIC DRIVER COLUMBIA #LJT-24-35-ML-G-FSA12 OR METALUX OR LITHONIA EQUAL	5000 LUMEN (45W), 3500K
④	LED EXTERIOR FULL CUTOFF WALLPACK AT ±96", I.E.S. TYPE III ASYMMETRIC DISTRIBUTION, DIECAST ALUMINUM HOUSING, BRONZE POWDERCOAT FINISH, MULTIVOLT ELECTRONIC DRIVER, U.L. LISTED FOR WET LOCATIONS HUBBELL #LNC-5LU-3K-3-1 OR	800 LUMEN, 3500K
⑤	LED RECESSED 1'x4' IN GRD CLG, ACRYLIC DIFFUSER, MULTIVOLT ELECTRONIC DRIVER COLUMBIA #LJT-14-35-ML-G-FSA12 OR METALUX OR LITHONIA EQUAL	4000 LUMEN (35W), 3500K
↖	LED EXIT SIGN, UNIVERSAL SURFACE-MOUNT WHITE THERMOPLASTIC HOUSING, RED DIFFUSE LETTERS WITH CHEVRON ARROWS AS NOTED, 120/277V INPUT, 90-MINUTE MAINTENANCE-FREE EM BATTERY PACK WITH SELF-DIAGNOSTICS DUAL-LITE #EVE-U-R-W-E-1 OR LITHONIA OR COOPER EQUAL	RED LED
↗	LED EMERGENCY WALL PACK, SURFACE-MOUNTED WHITE THERMOPLASTIC HOUSING, DUAL ADJUSTABLE-AIM HEADS, 120/277V INPUT, 90-MINUTE MAINTENANCE-FREE EM BATTERY PACK WITH SELF-DIAGNOSTICS DUAL-LITE #EV4-I-02L OR LITHONIA OR COOPER EQUAL	2-120 LUMEN LED

ELECTRICAL LEGEND AND NOTES

NUMERALS IN CIRCLES FOR LUMINAIRE SYMBOLS CORRESPOND TO LUMINAIRE SCHEDULE

- (with square) CEILING MOUNTED OUTLET WITH FLUORESCENT LUMINAIRE
- (with circle) CEILING MOUNTED OUTLET WITH FLUORESCENT LUMINAIRE
- (with horizontal line) CEILING MOUNTED OUTLET WITH FLUORESCENT LUMINAIRE
- CEILING MOUNTED OUTLET WITH LUMINAIRE
- (with vertical line) WALL MOUNTED OUTLET WITH LUMINAIRE
- ⊗ (with circle) EXIT LIGHT WITH DIRECTIONAL ARROW
- ↗ (with triangle) EMERGENCY LIGHTING WALL PACK
- \$ SINGLE POLE SWITCH AT +4'-0" UNLESS NOTED
- \$₃ THREE WAY SWITCH
- (with circle) LIGHTING CONTROL STATION AT +4'-0"
- ▷ (with triangle) WALL MOUNTED OCCUPANCY SENSOR
- ▷ (with vertical line) CEILING MOUNTED OCCUPANCY SENSOR, 360° COVERAGE
- (with vertical line) LIGHTING RELAY
- ⊖ (with circle) DUPLEX CONVENIENCE RECEPTACLE AT +15" UNLESS NOTED
- ⊖ (with circle) QUADRUPLEX RECEPTACLE
- ⊖ (with circle) GROUND FAULT INTERRUPTER RECEPTACLE
- ⊖ (with circle) TELEPHONE/DATA OUTLET AT +15" WITH 3/4" CONDUIT STUB ABOVE ACCESSIBLE CEILING UNLESS NOTED
- ⊖ (with circle) EQUIPMENT TERMINATION
- ⊖ (with circle) JUNCTION BOX
- (with vertical line) DISCONNECT SWITCH
- ⊖ (with square) ELECTRICAL PANEL

- E DENOTES EXISTING TO REMAIN
 - R DENOTES EXISTING TO BE REMOVED
 - ER DENOTES EXISTING TO BE RELOCATED
 - RD DENOTES RELOCATED EQUIPMENT
 - EL DENOTES EVENING LIGHT
 - NL DENOTES NIGHT LIGHT
 - WP DENOTES WEATHERPROOF
 - GFI DENOTES GROUND FAULT INTERRUPTER
 - +4'⁰ DENOTES 4'-0" ABOVE FINISHED FLOOR
 - +15" DENOTES 15 INCHES ABOVE FINISHED FLOOR
 - D- DATA CONDUIT, 3/4" UNLESS NOTED
 - LV- LOW-VOLTAGE WIRING
 - (solid line) CONDUIT WITH WIRING CONCEALED IN CEILING OR WALL
 - (dashed line) CONDUIT WITH WIRING CONCEALED IN FLOOR OR WALL
 - (dotted line) EXPOSED CONDUIT OR OVERHEAD SERVICE
- LOWER CASE LETTERS (a,b,c) ARE USED ON GANGED SWITCHES TO INDICATE OUTLETS CONTROLLED. NUMERALS USED AS SUBSCRIPTS TO OUTLETS INDICATE CIRCUIT TO WHICH EACH IS CONNECTED.
 - ANY CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A TWO WIRE CIRCUIT. FOR A GREATER NUMBER OF WIRES THE INDICATION IS BY "HASHMARKS" AS FOLLOWS: $\text{---}\text{---}\text{---}$ 3 WIRES, $\text{---}\text{---}\text{---}\text{---}$ 4 WIRES, ETC. $\text{---}\text{---}\text{---}\text{---}\text{---}\text{---}$ DENOTES GROUND CONDUCTOR.



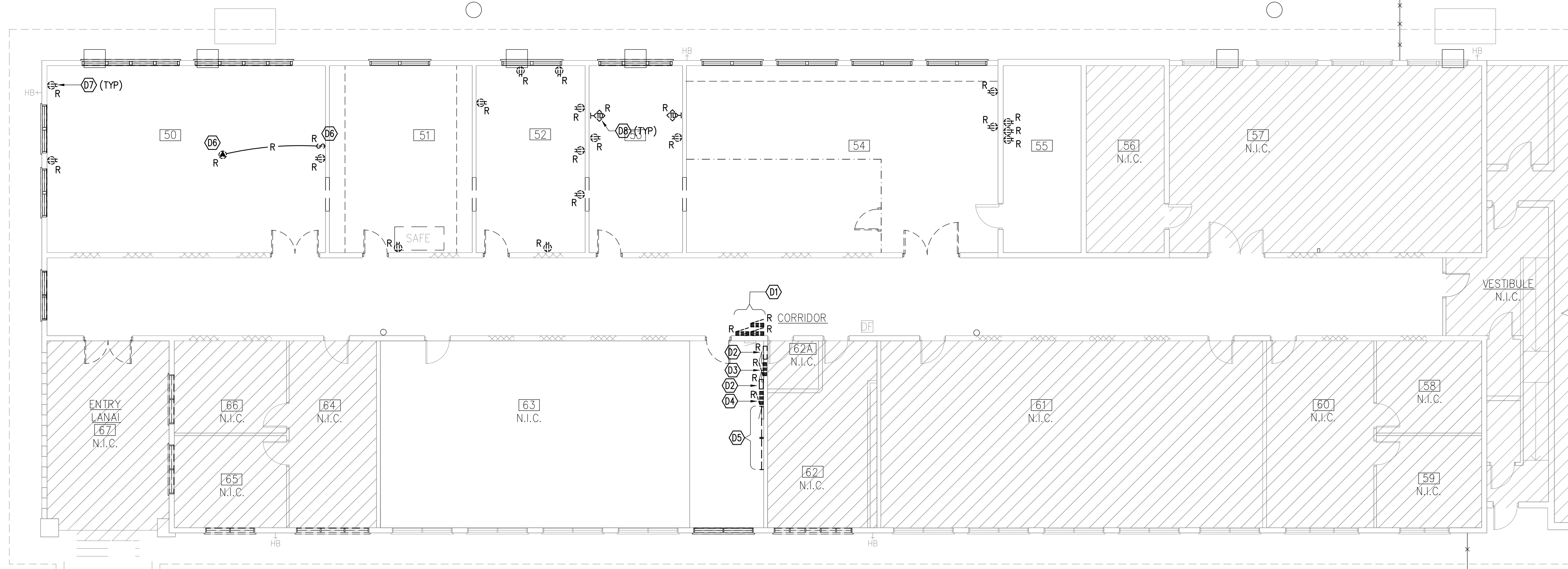
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DATE	DESCRIPTION

100% FINAL DESIGN

DES	RH	DRW	RH	CHK	RA

DEPARTMENT OF DEFENSE
HAWAIIAN ARMY NATIONAL GUARD
DESIGN AND PROJECT MANAGEMENT BRANCH
RENOVATION OF BUILDING 300A
4087 DIAMONHEAD RD
FORT RUCKER, HONOLULU, HI 96816
ELECTRICAL LEGEND & NOTES, LUMINAIRE SCHEDULE

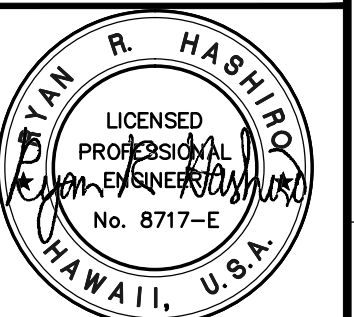
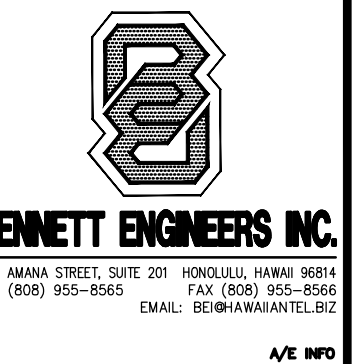


POWER & OUTLETS DEMOLITION PLAN

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

NOTES:

- D1 REMOVE EXISTING PANELS "A", "B", AND "C".
- D2 REMOVE EXISTING BKR.
- D3 REMOVE EXISTING PNL "PB 63IN1".
- D4 REMOVE EXISTING PNL "FA".
- D5 EXISTING TEL & DATA EQUIPMENT TO BE REMOVED BY OTHERS. REMOVE EXISTING BACKBOARDS.
- D6 REMOVE EXISTING PROJECTOR CONNECTION & SWITCH. RETURN EXIST. PROJECTOR TO OWNER.
- D7 REMOVE EXISTING RECEPTACLE AND SURFACE BACKBOXES (TYP. THROUGHOUT PROJECT AREA).
- D8 REMOVE EXISTING TEL/DATA RECEPTACLE AND SURFACE BACKBOXES (TYP. THROUGHOUT PROJECT AREA).



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SYN	DESCRIPTION	DATE	APPR

SUBMITTAL PHASE

100% FINAL DESIGN

SUBMITTAL DATE 10-30-15

DES	RH	DRW	RH	CHK	RA

DEPARTMENT OF DEFENSE

HAWAII ARMY NATIONAL GUARD

DESIGN AND PROJECT MANAGEMENT BRANCH

STATE OF HAWAII

FACILITY MANAGEMENT OFFICE

RENOVATION OF BUILDING 300A

4087 DIAMONDHEAD RD

FORT RUGER, HONOLULU, HI 96816

POWER & OUTLETS DEMOLITION PLAN

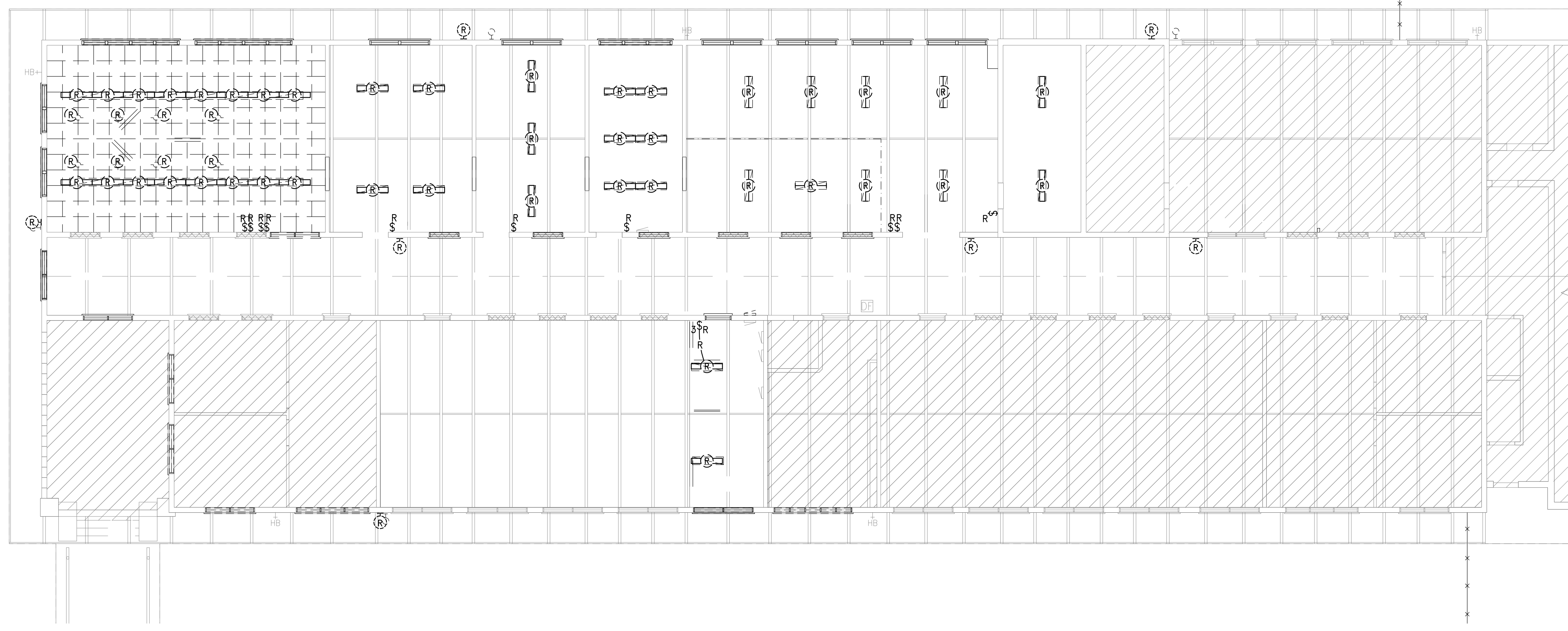
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STATE JOB NO. CA-1502-C

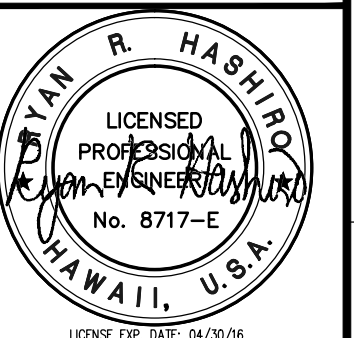
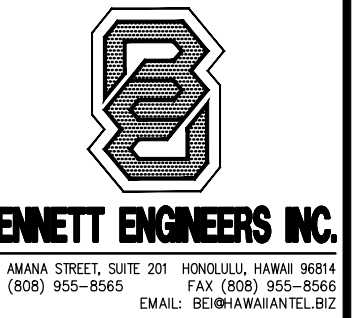
FEDERAL PROJECT NO. 15150013

SHEET 31 OF 36

ED1.01



LIGHTING DEMOLITION PLAN
 SCALE: 1/8" = 1' - 0"



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SYMBOL	DESCRIPTION	DATE	APPROVED

DESIGNER	RH	DRAWN	RH	CHECKED	RA
DATE	10-30-15				

STATE OF HAWAII
 FACILITY MANAGEMENT OFFICE

DEPARTMENT OF DEFENSE
 DESIGN AND PROJECT MANAGEMENT BRANCH

HAWAII ARMY NATIONAL GUARD
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 4087 DIAMONDHEAD RD
 FORT RUGER, HONOLULU, HI 96816

LIGHTING DEMOLITION PLAN

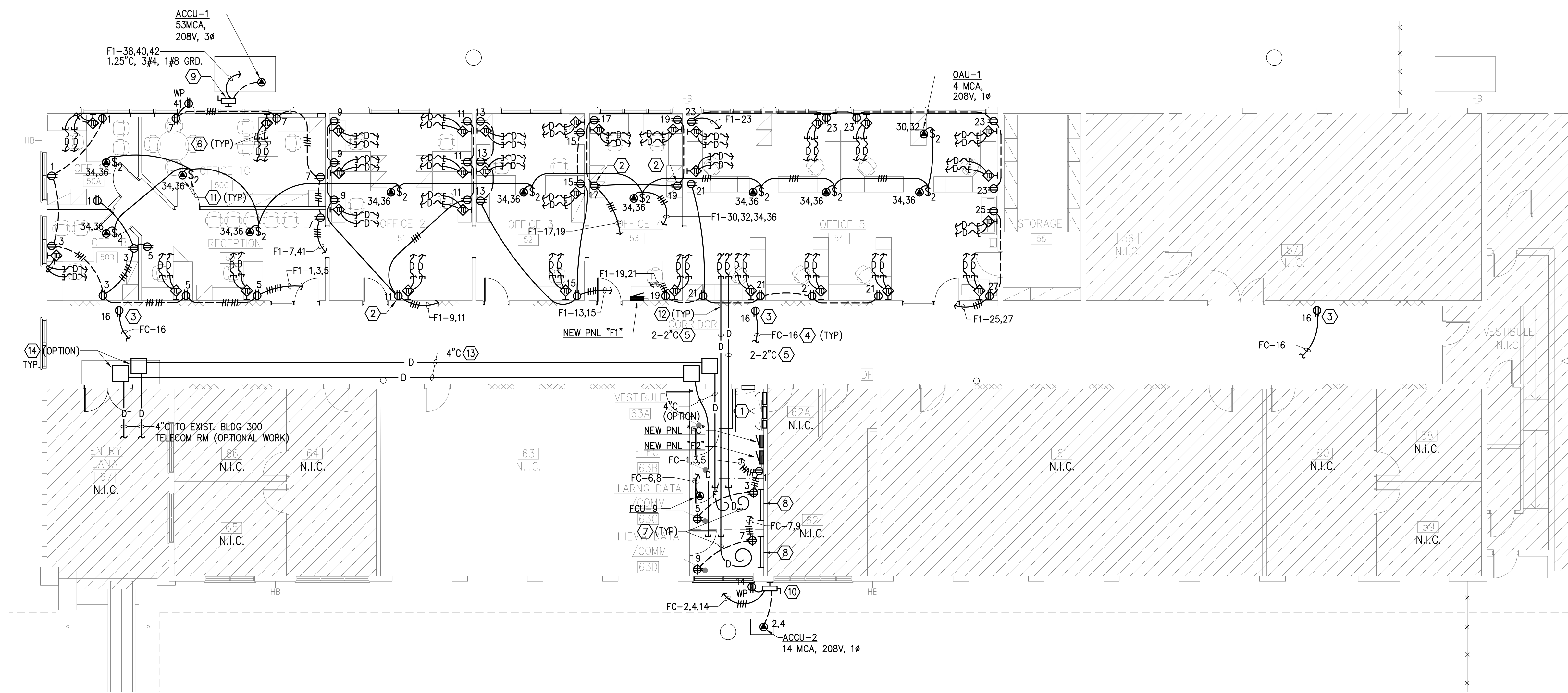
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STATE JOB NO.
 CA-1502-C

FEDERAL PROJECT NO.
 15150013

SHEET 32 OF 36

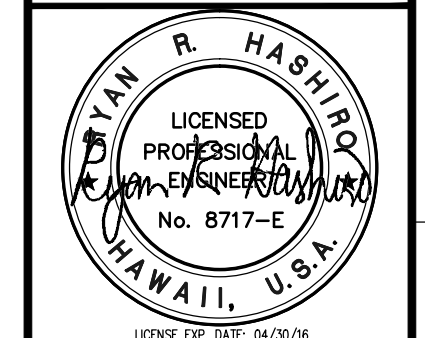
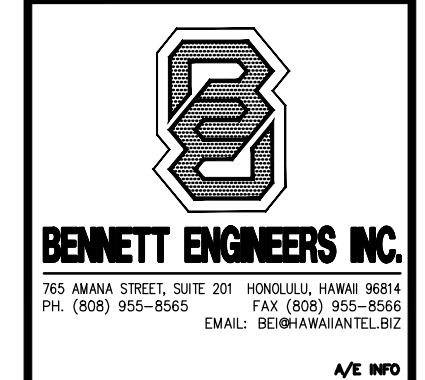
ED1.02



POWER & OUTLETS PLAN
SCALE: 1/8" = 1' - 0"

NOTES:

- ① PROVIDE NEW BREAKERS TO REPLACE EXISTING FLUSH BKR AND PANEL. SEE ONE-LINE DIAGRAM.
- ② PROVIDE NEW FLUSH-MTD. RECEPTACLE IN EXISTING RECESSED BACKBOX.
- ③ PROVIDE RECEPTACLE IN CORRIDOR.
- ④ FEED COMMON-AREA CIRCUITS FROM NEW PNL "FC".
- ⑤ RUN TIGHT TO CLG AGAINST SIDE OF EXISTING RAFTER.
- ⑥ PROVIDE TWO (2) SEPARATE 3/4" C DATA CONDUIT STUBS FROM EACH DATA OUTLET - ONE STUB FOR STATE (HIEMA) CABLE, AND ONE STUB FOR FEDERAL (HIARNG) CABLE. PROVIDE A SEPARATE DATA CABLE IN EACH STUB AND RUN TO THE RESPECTIVE BACKBOARD. PROVIDE 8" DATA CABLE SLACK AT OUTLET AND 120" DATA CABLE SLACK AT RESPECTIVE BACKBOARD FOR TERMINATION BY OTHERS.
- ⑦ RUN STATE & FEDERAL DATA CABLES IN SEPARATE CONDUIT SLEEVES, QUANTITY AS REQUIRED FOR THE NUMBER OF OUTLETS SERVED.
- ⑧ PROVIDE 4' x 8' x 3/4" THK TREATED PLYWOOD BACKBOARD, WITH EQUIPMENT RACKS AS REQUIRED.
- ⑨ PROVIDE 60A-3P N.F. DISC SWITCH, N3R.
- ⑩ PROVIDE 30A-2P N.F. DISC SWITCH, N3R.
- ⑪ TYPICAL FCU: 0.35 MCA, 208V, 1Ø. PROVIDE 20A-20 N.F. TOGGLE SWITCH DISCONNECT, HP-RATED, AT FCU.
- ⑫ PROVIDE FIRE-RATED SEALS AROUND ALL CONDUIT PENETRATIONS THROUGH CORRIDOR WALLS. SEE (A) E3.01
- ⑬ OPTION: PROVIDE 2-4" C TELECOM CONDUIT RUNS FROM NEW TELECOM RMS TO EXISTING BLDG 300 TELECOM RM. PROVIDE FIBER OPTIC CABLES IN THE 4" C RESERVED FOR HIARNG - SEE DIAGRAM.
- ⑭ OPTION: PROVIDE 24" SQ. x 12" D J-BOX AS REQUIRED FOR EACH 4" C TELECOM RUN.



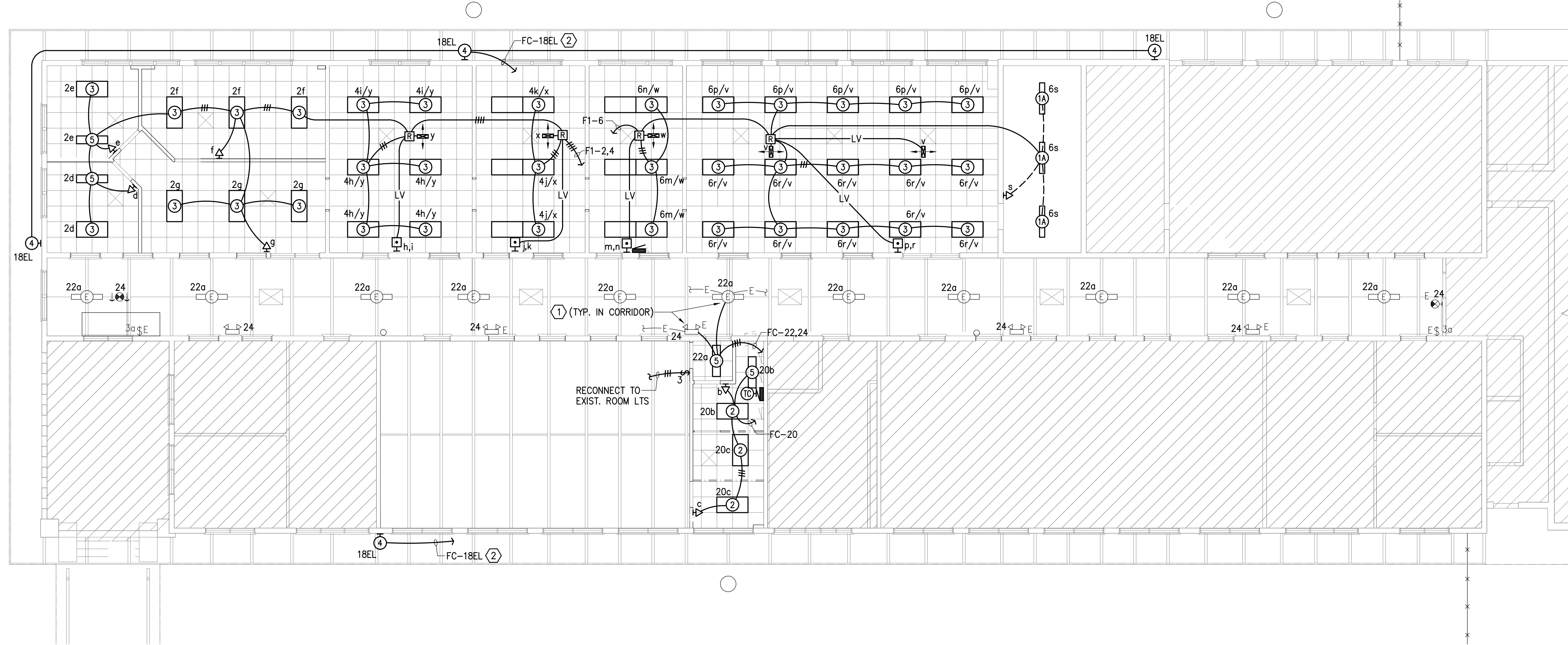
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SYN	DESCRIPTION	DATE	APPR

DES	DRW	CHK	RA

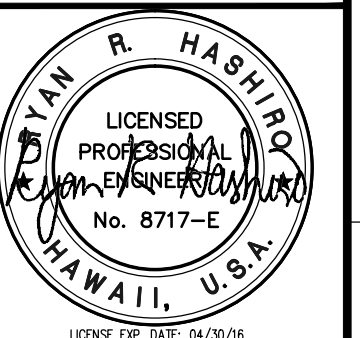
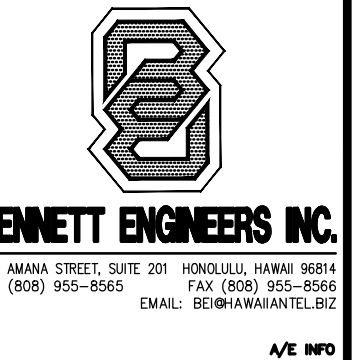
DEPARTMENT OF DEFENSE
DESIGN AND PROJECT MANAGEMENT BRANCH
HAWAII ARMY NATIONAL GUARD
RENOVATION OF BUILDING 300A
4087 DIAMONDHEAD RD
FORT RUGER, HONOLULU, HI 96816
POWER & OUTLETS PLAN

STATE JOB NO. CA-1502-C
FEDERAL PROJECT NO. 15150013
SHEET 33 OF 36
E1.01



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

- NOTES:**
- ① REFEED EXISTING EMERGENCY EXIT SIGNS & LIGHTING WALLPACKS IN CORRIDOR FROM NEW PNL "FC".
 - ② VIA EL TIME SWITCH.



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SYN	DESCRIPTION	DATE	APPR

SUBMITTAL PHASE			
100% FINAL DESIGN			
SUBMITTAL DATE 10-30-15			
DES	RH	DRW	CHK

STATE OF HAWAII	DEPARTMENT OF DEFENSE
FACILITY MANAGEMENT OFFICE	DESIGN AND PROJECT MANAGEMENT BRANCH
HAWAIIAN ARMY NATIONAL GUARD	RENOVATION OF BUILDING 300A
	4087 DIAMONDHEAD RD
	FORT RUGER, HONOLULU, HI 96816
	LIGHTING PLAN
SCALE:	
STATE JOB NO.	CA-1502-C
FEDERAL PROJECT NO.	15150013
SHEET	34 OF 36
E1.02	

