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STATE JOB NO.

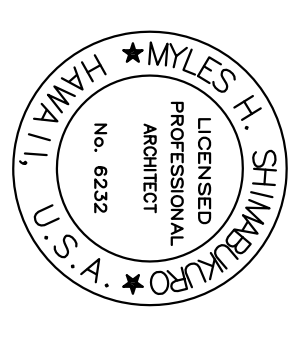
EDWARD FROELICH, INC.

DRAWING NO.

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41 of 41

GENERAL NOTES		ENVIRONMENTAL GENERAL NOTES		STRUCTURAL GENERAL NOTES							
<div>1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE BEFORE PROCEEDING WITH THE WORK AND SHALL NOTIFY THE PROJECT MANAGER OF ALL DISCREPANCIES AND/OR CONDITIONS BEFORE START OF WORK AND PRIOR TO BIDDING.</div> <div>2. CONTRACTOR SHALL PROTECT FROM DAMAGE ALL NEW AND EXISTING WORK TO REMAIN, AND REPAIR OR REPLACE ALL DAMAGED NEW OR EXISTING WORK TO THE SATISFACTION OF THE PROJECT MANAGER (P.M.) AT NO ADDITIONAL COST TO THE STATE.</div> <div>3. ALL WORK INDICATED SHALL BE NEW WORK UNLESS OTHERWISE NOTED AS EXISTING. INSTALL ALL ITEMS AND WORK INDICATED AS NEW.</div> <div>4. ALL WASTE MATERIALS SHALL BE PROPERLY REMOVED AND DISPOSED OF OUTSIDE OF THE PROJECT LIMITS AND/OR PROPERTY.</div> <div>5. ALL NOTES ARE TYPICAL FOR WORK THRU-OUT.</div> <div>6. CAULK ALL JOINTS FOR NEW WORK TO PREVENT WATER INTRUSION.</div> <div>7. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND THE SPECIFICATIONS, AND SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, 2006 EDITION.</div> <div>8. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL WORK INVOLVED FOR A COMPLETE PROJECT.</div> <div>9. THE CONTRACTOR SHALL KEEP THE JOB SITE BROOM CLEAN AND DISPOSE OF WASTE MATERIAL AT THE END OF EACH WORK DAY.</div> <div>10. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO THE P.M., SO PROPER REVISIONS MAY BE MADE. MODIFICATIONS OF DETAILS SHALL NOT BE MADE WITHOUT THE WRITTEN ACCEPTANCE OF THE P.M..</div> <div>11. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION, WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO THE ACCEPTANCE BY THE P.M..</div> <div>12. ALL DETAILS DESIGNATED AS TYPICAL SHALL OCCUR IN ADDITION TO ANY OTHER SPECIFIC DETAIL CALLED OUT.</div>		<div>13. PATCH ALL WORK DAMAGED BY CONTRACTOR TO MATCH EXISTING. PAINTING OF PATCHED WORK SHALL INCLUDE PAINTING TO ARCHITECTURAL BREAK SUCH AS WALL EDGE, TRIM, MATERIAL, JOINT, ETC., AND AS ACCEPTABLE TO THE PROJECT MANAGER. PAINTING OF PATCHED SURFACE SHALL INCLUDE TEXTURING TO MATCH, BLENDING, FEATHERING OF EDGE, ETC. AS REQUIRED TO MATCH EXISTING ADJACENT SURFACE.</div> <div>14. THE CONTRACTOR SHALL PAINT ALL NEW WORK EXCEPT PRE-FINISHED MATERIALS AS SCHEDULED, AND ANY ITEM(S) THAT WERE PATCHED, REPAIRED, RESTORED AND EXPOSED BY REMOVAL WORK. THE CONTRACTOR SHALL BACK-PRIME NEW WORK ITEM(S) AS SPECIFIED PRIOR TO INSTALLATION.</div> <div>15. THE CONTRACTOR SHALL PROVIDE TEMPORARY SAFE PEDESTRIAN PASSAGEWAYS AROUND THE SITE COMPLYING WITH HRS 103-50 AND ADAAG SECTIONS 4.1.1(4) & 4.3.</div> <div>16. EXISTING INTERIOR FURNISHINGS, EQUIPMENT, FIXTURES, ETC., NOT SHOWN ON DRAWINGS. CONTRACTOR SHALL PROTECT INTERIOR SURFACES, AND ITEMS FROM DUST AND WATER. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING, AND REPAIR OF INTERIOR SURFACES AND ITEMS WHICH ARE DAMAGED, SOILED, DUSTY, ETC., FROM WORK FROM THIS PROJECT.</div> <div>17. CONTRACTOR SHALL COORDINATE HIS OPERATIONS WITH THOSE OF OTHER CONTRACTORS WHO MAY BE EMPLOYED ON ADJACENT OR RELATED PROJECTS OF THE STATE AND AVOID UNNECESSARY DELAY OR HINDERANCE IN THE PERFORMANCE OF THEIR RESPECTIVE CONTRACTS.</div> <div>18. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO KEEP ALL WORK LEAK FREE TO PREVENT WATER DAMAGE TO THE CONTENTS OF THE INTERIOR OF THE BUILDING THRU-OUT THE CONSTRUCTION PHASE.</div> <div>19. CONTRACTOR SHALL ALLOW FOR CONSTRUCTION TOLERANCES TO ASSURE MINIMUM AND MAXIMUM REQUIREMENTS ARE MET.</div> <div>20. ALL DRY ROT AND TERMITE DAMAGE OR EXTENSIVELY RUSTED SUBSTRUCTURE DISCOVERED DURING THE PROGRESS OF THE REMOVAL WORK SHALL BE REPORTED TO THE PROJECT MANAGER FOR INSPECTION AND RECOMMENDATION. FAILURE TO REPORT SUCH DAMAGE THAT RESULT IN POOR INSTALLATION OF NEW WORK SHALL BE MADE GOOD BY THE CONTRACTOR AT NO COST TO THE STATE.</div>		<div>1. PRIOR TO START OF CONSTRUCTION AND WITHIN 30 DAYS OF COMPLETION OF THE PROJECT, CONTRACTOR SHALL SUBMIT TO HAWAII-ENV A HAZARDOUS MATERIAL INVENTORY LOG OF CHEMICAL PRODUCTS TO BE USED IN THE PROJECT, AND PROVIDE AN UPDATE NO LATER THAN 31 JANUARY OF EACH CALENDAR YEAR. THE LOG SHALL INCLUDE THE PRODUCT NAME AND MANUFACTURER ID NUMBER, CONTAINER SIZE, AMOUNT USED, AND MAXIMUM NUMBER OF CONTAINERS TO BE STORED ON SITE AT ANY GIVEN DAY DURING THE PROJECT. MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE PROVIDED OR MADE AVAILABLE TO THE COR AND HAWAII-ENV UPON REQUEST.</div> <div>2. PRIOR TO START OF CONSTRUCTION, CONTRACTOR WILL PROVIDE TO HAWAII-ENV AN ESTIMATE OF THE MAXIMUM AMOUNT OF HAZARDOUS WASTE EXPECTED TO BE GENERATED PER MONTH, AND THE TOTAL AMOUNT ANTICIPATED TO BE STORED ON SITE AT ANY GIVEN TIME. ALL WASTE WILL BE STORED IN A SECURED AREA PENDING REMOVAL FOR DISPOSAL, WITH SIGNAGE INDICATING CONTACT INFORMATION AND SHALL BE MANAGED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.</div> <div>3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS FOR DISPOSAL OF WASTE GENERATED FROM THIS PROJECT AND SHALL PROVIDE COPIES OF ALL WASTE DISPOSAL DOCUMENTATION (INCLUDING ANY REQUIRED LAB ANALYSES, WASTE PROFILES, AND ANY OTHER SUPPORTING DOCUMENTATION) TO THE COR AND HAWAII-ENV, ALONG WITH DRAFT COPIES OF THE WASTE MANIFESTS FOR REVIEW PRIOR TO WASTE SHIPMENT OFF SITE FOR DISPOSAL. IF THE CONTRACTOR UTILIZES A HAWAII EPA ID NUMBER FOR WASTE DISPOSAL, MANIFESTS WILL ONLY BE SIGNED BY INDIVIDUALS AUTHORIZED BY HAWAII-ENV.</div> <div>4. HAWAII-ENV APPROVAL IS REQUIRED FOR ANY FUELING OPERATIONS BEING CONDUCTED IN ACCORDANCE WITH (IWM) ALL APPLICABLE REQUIREMENTS.</div> <div>5. HAWAII-ENV APPROVAL IS REQUIRED FOR ANY ABOVEGROUND STORAGE TANK STAGED ON-SITE FOR STORAGE OF OIL EXCEEDING THE EPA THRESHOLD OF 1,320 GALLONS SHELL CAPACITY OF OIL IN CONTAINERS 55 GALLONS OR GREATER. CONTRACTOR IS RESPONSIBLE FOR PREPARING A SPILL PREVENTION, CONTROL, AND COUNTERMEASURES (SPCC) PLAN IN ACCORDANCE WITH 40 CFR 112 AND SHALL PROVIDE A COPY OF THE PLAN TO HAWAII-ENV.</div> <div>6. FOR ALL OIL-FILLED OPERATIONAL EQUIPMENT BEING INSTALLED UNDER THIS PROJECT, INCLUDING PAD-MOUNTED TRANSFORMERS, ABOVEGROUND STORAGE TANKS, AND GENERATORS, PROVIDE TANK OIL/FUEL CAPACITY, TYPE OF OIL/FUEL, SERIAL NUMBER, AND MANUFACTURER DATE TO HAWAII-ENV PRIOR TO INSTALLATION. FOR TRANSFORMERS, ALSO PROVIDE MSDS FOR THE DIELECTRIC OIL. PAD-MOUNTED TRANSFORMERS SHALL BE MADE OF 304L GRADE STAINLESS STEEL, INCLUDING THE TANK, CABINET, FINS, AND ALL ASSOCIATED HARDWARE. FOR TRANSFORMERS WITH FINS, THE PAD SHALL EXTEND BEYOND THE FINS.</div>		<div>7. CONTRACTOR SHALL USE PROTECTIVE MEASURES FOR ON-SITE CHEMICALS, EQUIPMENT AND VEHICLES TO PREVENT SPILLS AND LEAKS INTO THE ENVIRONMENT AND ENSURE ONLY RAINWATER ENTERS ON-SITE UICs, STORM DRAINS, SWALES, STREAMS, AND OTHER PATHS TO NAVIGABLE WATERS.</div> <div>8. CONTRACTOR SHALL REPORT SPILLS IMMEDIATELY TO THE COR AND HAWAII-ENV AND COMPLETE THE HAWAII SPILL INCIDENT REPORT FORMS AS REQUIRED. CONTRACTOR SHALL IMMEDIATELY CLEAN UP ALL SPILLS INAW FEDERAL AND STATE GUIDELINES AND TO THE SATISFACTION OF HAWAII-ENV. CONTRACTOR SHALL MAINTAIN ADEQUATE SPILL SUPPLES COMMENSURATE WITH THE POTENTIAL FOR SPILLS, AND WILL CONTRACT OUT SPILL CLEANUP BEYOND THEIR CAPABILITIES. CONTRACTOR SHALL ACCOMPLISH ALL REGULATORY VERBAL AND WRITTEN NOTIFICATIONS TO THE STATE EMERGENCY RESPONSE COMMISSION, LOCAL EMERGENCY PLANNING COMMITTEE (LEPC), NATIONAL RESPONSE CENTER (NRC), ENVIRONMENTAL PROTECTION AGENCY (EPA), AS APPLICABLE, AND PROVIDE HAWAII-ENV COPIES OF ALL SPILL REPORTS.</div> <div>9. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL REQUIRED ENVIRONMENTAL PERMITS, E.G., CONSTRUCTION-RELATED SURFACE DISCHARGE PERMITS, COUNTY-REQUIRED INDUSTRIAL WASTEWATER DISCHARGE PERMITS, MINOR (POLLUTION) SOURCE AIR PERMITS, ETC. FOR ANY CONTRACT-RELATED WORK.</div>		<div>GENERAL</div> <div>1. ALL WORK SHALL CONFORM TO THESE DRAWINGS AND ACCOMPANYING SPECIFICATIONS.</div> <div>2. CONTRACTOR SHALL FIELD VERIFY ALL FIELD DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO START OF WORK. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE CONTRACTING OFFICER BEFORE PROCEEDING WITH WORK.</div> <div>3. CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL TRADES AND RESOLVE ALL DISCREPANCIES BEFORE PROCEEDING WITH WORK.</div> <div>4. ALL SHOP DRAWINGS REQUIRED BY ACCOMPANYING SPECIFICATIONS SHALL BE ACCEPTED BEFORE START OF FABRICATION AND INSTALLATION WORK.</div> <div>5. ALL ITEMS NOT NOTED AS EXISTING SHALL BE NEW CONSTRUCTION.</div> <div>6. SHORE, BRACE AND PROTECT NEW AND EXISTING WORK FOR STRUCTURAL STABILITY DURING CONSTRUCTION. REPAIR OR REPLACE ALL DAMAGED WORK TO THE SATISFACTION OF THE PROJECT MANAGER AT NO EXPENSE TO THE STATE.</div> <div>7. CONTRACTOR SHALL REMOVE AND MODIFY/REINSTALL WORK AS REQUIRED TO INSTALL NEW WORK WITHOUT ADDITIONAL COST TO THE STATE.</div>			
SCHEDULE OF WORK NOTES											
SYMBOL		DESCRIPTION		SYMBOL		DESCRIPTION		SYMBOL		DESCRIPTION	
	REMOVE (E) ROOFING AND INSULATION SYSTEM DOWN TO CONCRETE DECK AND REPLACE WITH (N) TPO ROOFING AND INSULATION SYSTEM.		REMOVE PORTION OF (E) CONCRETE DECK, INSTALL (N) WOOD CURB, FLASHING, SOLAR TUBE, ETC.		(E) DISH ANTENNAE ON METAL FRAME DISCONNECT REMOVE AND REINSTALL AND RECONNECT AS REQUIRED TO COMPLETE NEW WORK.		REMOVE AND EDGE FLASHING - REMOVE AND REPLACE W/ (N) GUTTER, 2X FASCA & EDGE FLASHING.		(E) SOLAR WATER HEATER PANELS ON METAL FRAME DISCONNECT REMOVE AND REINSTALL RECONNECT AS REQUIRED TO COMPLETE NEW WORK.		(E) HVAC DUCT PENETRATION - REMOVE AND REPLACE EXISTING PENETRATION CURB AND FLASHING WITH (N) FLASHING AND CURB.
	REMOVE (E) ROOFING SYSTEM DOWN TO WOOD DECK AND REPLACE WITH (N) TPO ROOFING AND INSULATION SYSTEM.		(E) POLE ANTENNAE TO REMAIN, INSTALL (N) GUY WIRE AND HOLD DOWNS PRIOR TO REMOVING (E) GUY WIRE AND HOLD DOWNS.		REMOVE AND REINSTALL (E) EXHAUSE DUCT, REPLACE CURB AND FLASHING W/ (N) CURB AND FLASHING. SEE DETAIL A/ AX6.4 @ WOOD DECK.		REMOVE AND EDGE FLASHING - REMOVE AND REPLACE W/ (N) GUTTER, 2X FASCA & EDGE FLASHING.		REMOVE AND REINSTALL (E) EXHAUSE DUCT, REPLACE CURB AND FLASHING W/ (N) CURB AND FLASHING. SEE DETAIL A/ AX6.4 @ WOOD DECK.		(E) HVAC DUCT PENETRATION - REMOVE AND REPLACE EXISTING PENETRATION CURB AND FLASHING WITH (N) FLASHING AND CURB.
	REMOVE (E) ROOF HATCH AND LADDER AND REPLACE WITH NEW HATCH AND LADDER. SEE DETAIL AAx4.2.		(E) LEADER - REMOVE AND REPLACE WITH (N) LEADER, AND HANGERS.		REMOVE AND REINSTALL (E) EXHAUSE DUCT, REPLACE CURB AND FLASHING W/ (N) CURB AND FLASHING. SEE DETAIL A/ AX6.4 @ WOOD DECK.		REMOVE AND EDGE FLASHING - REMOVE AND REPLACE W/ (N) GUTTER, 2X FASCA & EDGE FLASHING.		REMOVE AND REINSTALL (E) EXHAUSE DUCT, REPLACE CURB AND FLASHING W/ (N) CURB AND FLASHING. SEE DETAIL A/ AX6.4 @ WOOD DECK.		(E) HVAC DUCT PENETRATION - REMOVE AND REPLACE EXISTING PENETRATION CURB AND FLASHING WITH (N) FLASHING AND CURB.
	REMOVE AND REINSTALL (E) ROOF DRAIN TO COMPLETE NEW WORK.		(E) HVAC FRAME PENETRATION POCKETS (Ø) REMOVE & REPLACE WITH (N) PENETRATION POCKETS.		(E) HVAC DUCT PENETRATION - REMOVE AND REPLACE EXISTING PENETRATION CURB AND FLASHING WITH (N) FLASHING AND CURB.		(N) SOLAR TUBE PENETRATION, CURB, FLASHING, ETC. SEE DETAILS AAx5.1, BAx5.1, AND BAx5.2.		REMOVE (E) WALL FLASHING AND REPLACE WITH (N) WALL FLASHING.		REMOVE (E) EDGE FLASHING AND REPLACE WITH (N) EDGE FLASHING W/ (N) 2X FASCA.
	REMOVE AND REINSTALL (E) ELECTRICAL RACEWAYS AND CABLES TO COMPLETE NEW WORK. SEE DET DAX5.4. OTHER DETAILS NOT SHOWN.		(E) HVAC DUCT PENETRATION - REMOVE AND REPLACE EXISTING PENETRATION CURB AND FLASHING WITH (N) FLASHING AND CURB.		REMOVE & REINSTALL (E) POWER VENTILATOR, REPLACE (E) CURB AND FLASHING W/ (N). SEE DETAIL BAx5.6 @ CONC. DECK, AND AAX6.7 @ WOOD DECK.		REMOVE (E) WALL FLASHING AND REPLACE WITH (N) WALL FLASHING.		REMOVE (E) EDGE FLASHING AND REPLACE WITH (N) EDGE FLASHING W/ (N) 2X FASCA.		REMOVE (E) EDGE FLASHING AND REPLACE WITH (N) EDGE FLASHING W/ (N) 2X FASCA.
	REMOVE AND REINSTALL ELECTRICAL PENETRATION DUCT TO COMPLETE NEW WORK.		REMOVE (E) WALL FLASHING AND REPLACE WITH (N) WALL FLASHING.		REMOVE (E) WALL FLASHING AND REPLACE WITH (N) WALL FLASHING.		REMOVE (E) WALL FLASHING AND REPLACE WITH (N) WALL FLASHING.		REMOVE (E) WALL FLASHING AND REPLACE WITH (N) WALL FLASHING.		REMOVE (E) WALL FLASHING AND REPLACE WITH (N) WALL FLASHING.
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	REMOVE AND REINSTALL ELECTRICAL PENETRATION DUCT TO COMPLETE NEW WORK.		REMOVE (E) WALL FLASHING AND REPLACE WITH (N) WALL FLASHING.								



This work was prepared by me or under my supervision

Thomas J. S. Smith

SYM	DESCRIPTION	DATE	APPR

DECEMBER 18, 2013

SUBMITTAL DATE

DES	MHS	DRW	MHS	CHK	MHS
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RD
DEPARTMENT OF DEFENSE
DESIGN AND PROJECT MANAGEMENT BRANCH

STATE OF HAWAII	HAWAII ARMY NATIONAL GUARD
FACILITY MANAGEMENT OFFICE	
RE-ROOF TROOP COMMAND BLDGS #1 & #2 WAI'AWA ARMORY	
ARCHITECTURAL ABBREVIATIONS, SYMBOLS LEGEND, MATERIALS LEGEND	

AS NOTED
STATE JOB NO.
CA-1219-D
FEDERAL PROJECT NO.





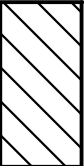
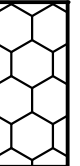
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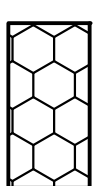
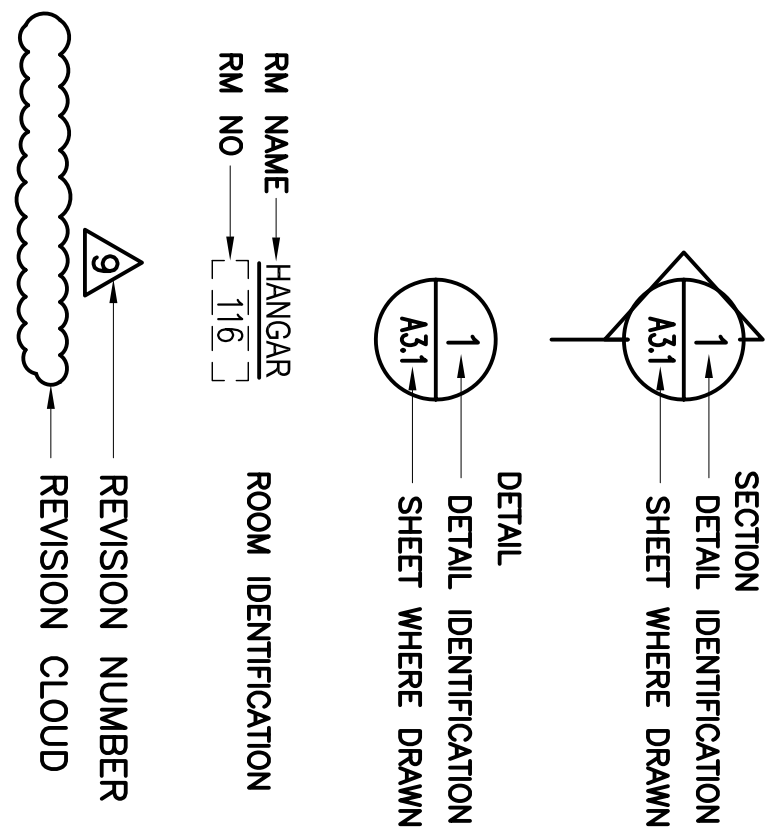
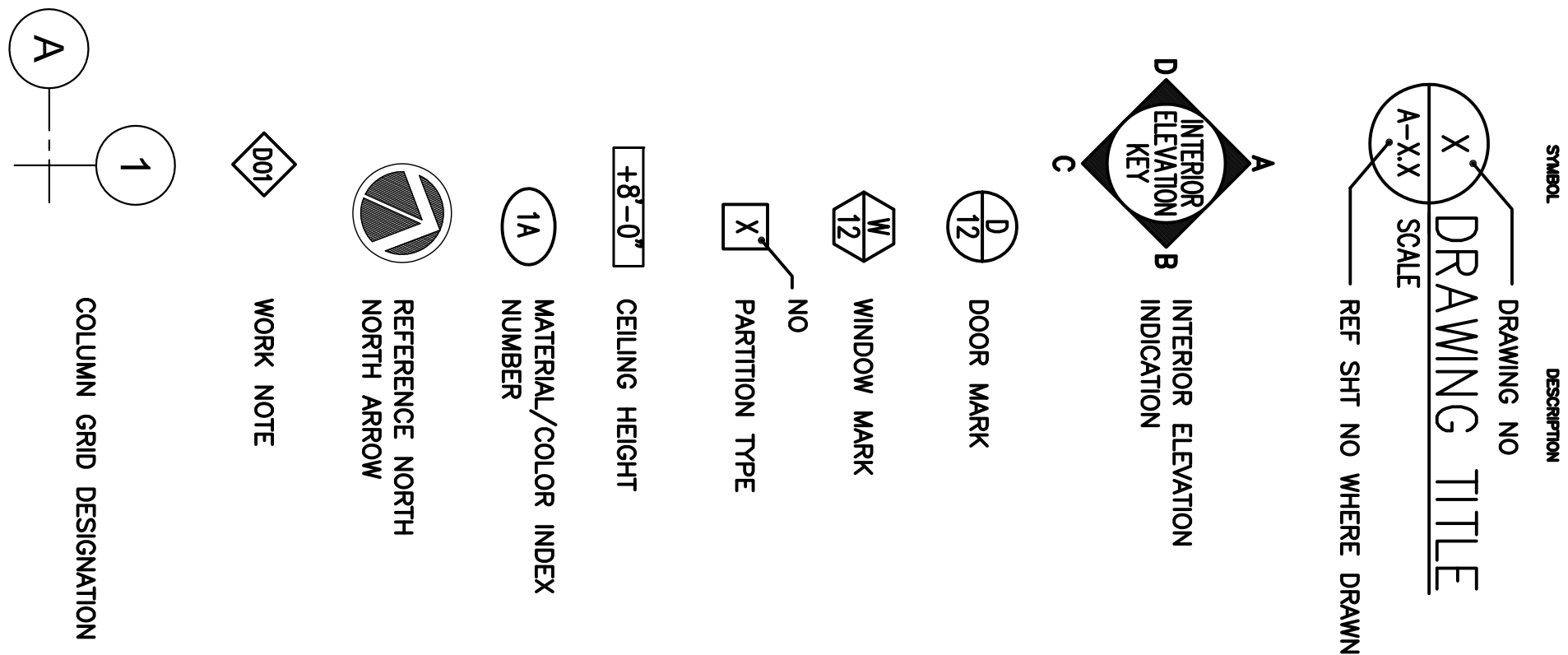
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ARCHITECTURAL ABBREVIATIONS

&	And	DN	Down	INT	Interior	REV	Revised, Revision or Reversed
⊥	Angle	DR	Door	INV	Invert	RFG	Roofing
⊙	At	DS	Downspout	JAL	Jalousie	RH	Rope Hook
⌈	Centerline	DSP	Dry Stairpipe	JAN	Janitor	RM	Room
⌀	Channel	DWG	Dishwasher	JB	Junction Box	RND	Round
'	Diameter	DWR	Drawing	JST	Joist	RO	Rough Opening
"	Foot; Feet		Drower	JT	Joist	RWD	Redwood
%	Percent	EA	Each	L	Length or Long	SA	Single Acting
⊥	Perpendicular	EFS	Exterior Finish System	LAM	Laminite or Laminated	SC	Seal Cover
⊥	Pound, Number	EFS	Exterior Insulation & Finish System	LAV	Lavatory	SCD	Seal Cover Dispenser
□	Square Foot	EL	Expansion Joint	LB	Lavatory	SCR	Screen
		EL	Elevation	LF	Lined Foot	SD	Smoke Detector or Soot Dish
A/C	Air Conditioning	ELEC	Electrical	M	Made	SECT	Section
AB	Anchor Bolt	ELEV	Elevator	MAX	Maximum	SF	Square Foot
ABV	Above	EMER	Emergency	MB	Machine Bolt	SH	Shelf
AC	Asphaltic Concrete	ENCL	Enclosure	MBR	Master Bedroom	SHR	Shower
ACOUS	Acoustical	EP	Electrical Panelboard	MC	Medicine Cabinet	SHT	Sheet
ADJ	Adjustable	EQ	Equipment	MECH	Mechanical	SHTG	Sheeting
ADJA	Adjacent	EXP	Expansion	MET	Metel	SIM	Similar
AFF	Above Finished Floor	EXT	Exterior	MFR	Manufacturer	SL	Slope
AGGR	Aggregate	EXP	Exposure	MFR	Manufacturer	SLDG	Siding
AL	Aluminum	EXT	Exterior	MIN	Minimum	SND	Sanitary Nephin Dispenser
ALT	Alternate	F	Female	MIR	Mirror	SNR	Sanitary Nephin Receptacle
ANOD	Anodized	FA	Fire Alarm	MISC	Miscellaneous	SPEC	Specification
AP	Access Panel	FAEM	Fluid Applied Elastomeric Membrane	MLDG	Molding	SPKR	Speaker
APPROX	Approximate	FB	Flat Bar	MO	Masonry Opening	SQ	Square
ARCH	Architectural	FCU	Fan Coil Unit	MTD	Mounted	SSK	Service Sink
ASB	Asbestos	FD	Floor Drain	MTG	Mounting	SSTL	Stainless Steel
ASPH	Asphalt	FDN	Foundation	MTL	Material	STD	Standard
BD	Board	FEC	Fire Extinguisher	MUL	Mulion	STOR	Storage
BITUM	Bituminous	FEE	Fire Extinguisher Cabinet	NIC	Not in Contract	STRL	Structural
BLK	Block	FFE	Finish Floor Elevation	NO or #	Number	STRUC	Structure
BLKG	Blocking	FFS	Finish Floor Separation	NOM	Nominal	SURR	Surround
BLDG	Building	FG	Floor Glass	NTS	Not to Scale	SUSP	Suspended
BLDG	Building	FHC	Fire Hose Cabinet			SVC	Service
BM	Beam	FIN	Finish			SYM	Symmetrical
BOT	Bottom	FIXT	Fixture			SYS	System
BR	Bedroom	FL	Floor	OA	Overall		
BRG	Bearing	FLASH	Flashing	OBS	Obscured	TB	Towel Bar
BRKT	Bracket	FLDG	Flooring	OC	On Center	TEL	Telephone
BS	Both Sides	FLUOR	Fluorescent	OD	Outside Diameter (Dim)	TEMP	Temperd
BTWN	Between	FOC	Face of Concrete	OFCL	Owner Furnished – Contractor Installed	TER	Terrazzo
BUR	Built-up Roofing	FOF	Face of Finish	OFFO	Office	T & G	Tongue and Groove
CAB	Cabinet	FOM	Face of Masonry	OPNG	Opening	THK	Thick or Thickness
CB	Catch Basin	FOS	Face of Stud, Slob or Structure	OPP	Opposite	THR	Through
CEM	Cement	FOV	Face of Wall	OVD	Overhead	TJ	Tooled Joint
CEMPLAS	Cement Plaster	FRP	Frame	PC	Piece	TPD	Top of (Item)
CER	Ceramic	FRT	Fire Retarded Wood	PL	Plate or Property Line	TPH	Toilet Paper Dispenser
CI	Cast Iron	FT	Full Size or Floor Sink	PLAM	Plaster Laminite	TRD	Toilet Paper Holder
CP	Cast-in-Place	FS	Foot or Feet	PLAS	Plaster	TV	Television
CJ	Control Joint	FTG	Footing	PLBG	Pumbing	TYP	Typical
CLG	Ceiling	FURR	Furring or Furred	PLYMD	Plywood		
CLD	Closet	FUT	Future	PNL	Panel		
CLR	Clear			PNL	Panel		
CMU	Concrete Masonry Units			PR	Pair	UNF	Unfinished
CNT	Counter	GA	Gauge	PR	Precast	UON	Unless Otherwise Noted
CO	Clean Out	GALV	Galvanized	PREST	Precast	UR	Urinal
COL	Column	GB	Grid Bar	PRETAB	Pretabricate		
CONC	Concrete	GI	Galvanized Iron	PREP	Preparation	VCT	Vinyl Composition Tile
COND	Condition	GL	Glass	PROP	Property	VERT	Vertical
CONN	Connection	GLU-LAM	Glue Laminated Wood	PT	Point	VEST	Vestibule
CONSTR	Construction	GLU-LAM	Glue Laminated Wood	PTD	Paper Towel Dispenser	VIF	Verify in Field
COORD	Coordinate	GND	Ground	PTD/R	Combination Paper Towel Dispenser and Receptacle	VTR	Vent Through Roof
CORR	Corridor	GR	Grade	PTN	Partition		
CORR	Corridor	GWB	Gypsum Wall Board	PTR	Paper Towel Receptacle	W	Wide or Width
CONTR	Contractor	GYP	Gypsum	PTR	Paper Towel Receptacle	W/	With
COTD	Clean Out to Drain	H	High or Height	PVMT	Polyvinyl Chloride Poverment	WC	Wall Covering or Water Closet
CRM	Concrete Rubble Masonry	HB	Hose Bibb			WD	Wood
CT	Ceramic Tile	HC	Hollow Core			WDW	Window
CTR	Center	HD	Head	QT	Quarry Tile	WH	Water Heater
CTSK	Countersink	HDCP	Handicapped			WO	Without
		HDWD	Hardwood	R	Riser	WO	Where Occurs
D	Deep or Depth	HDWD	Hardwood	RAD	Radius	WP	Waterproof
DA	Double Acting	HDWE	Hardware	RB	Resilient Base	WR	Water Resistant
DBL	Double	HM	Hollow Metal	RD	Roof Drain	WSC	Wainscot
DEPT	Department	HADR	Hammer Drive	REC	Recessed	WSP	Wet Stairpipe
DET	Detail	HORIZ	Horizontal	REF	Reference	WT	Weight
DF	Drinking Fountain	HR	Hour	REFR	Refrigerator	WTF	Welded Wire Fabric
DIA	Diameter	ID	Inside Diameter (Dim)	REIN	Reinforced or Reinforcing		
DIAG	Diagram	IN	Inch	REO	Required		
IM	Dimension	INCL	Inclusive, Included or Including	RESL	Resilient		
ISP	Dispenser	INSUL	Insulation	RGTR	Register		

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	SOIL
	BASE COURSE, CUSHION FILL
	CONCRETE
	CONCRETE MASONRY UNIT
	EXISTING
	INSULATION, CLOSURE STRIP

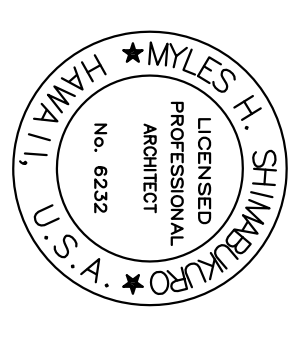


INSULATION, CLOSURE STRIP

EXISTING

CONCRETE MASONRY UNIT

BASE COURSE,
CUSHION FILL



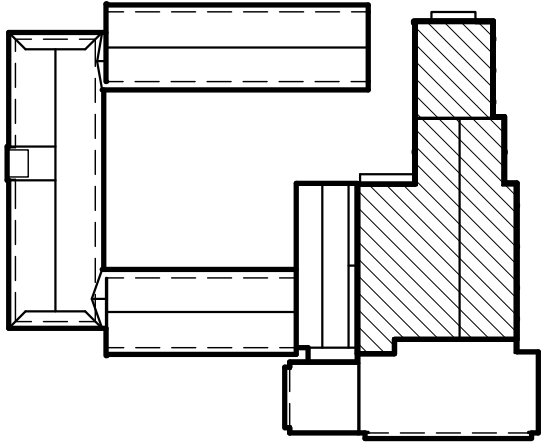
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[Signature]

SYN	DESCRIPTION	DATE	APPR

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

STATE OF HAWAII	HAWAII ARMY NATIONAL GUARD	DEPARTMENT OF DEFENSE
FACILITY MANAGEMENT OFFICE	DESIGN AND PROJECT MANAGEMENT BRANCH	
RE-ROOF TROOP COMMAND BLDGS #1 & #2		
WAIAWA ARMORY		
PARTIAL SCHEMATIC ROOF FRAMING PLAN		

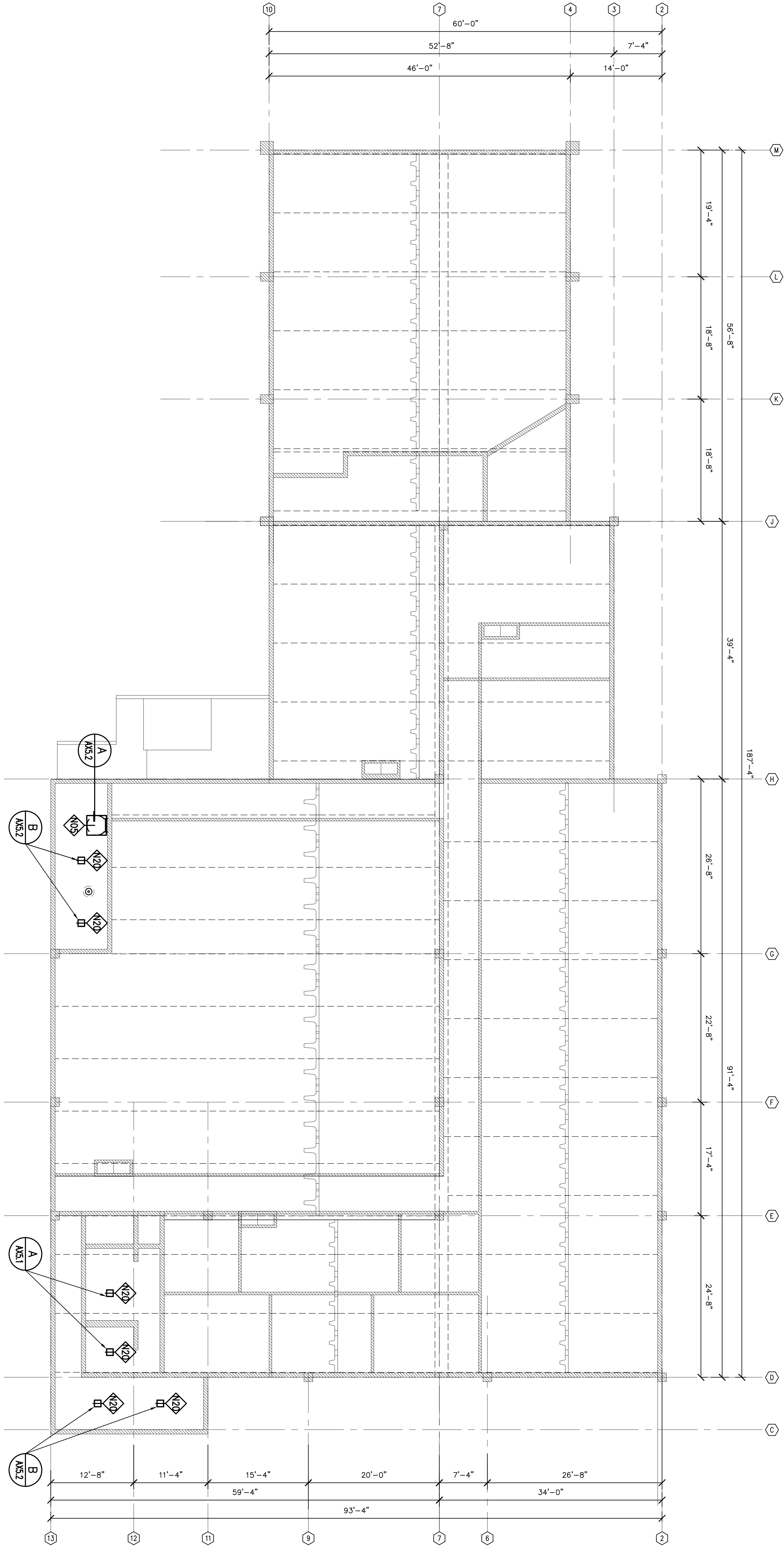


KEY PLAN

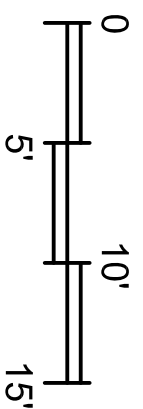
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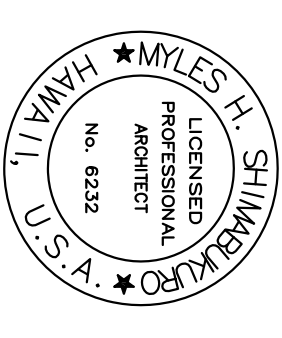
AA1.3

SHEET 6 OF 41



A BUILDING 2 – PARTIAL SCHEMATIC ROOF FRAMING DIAGRAM V.I.F.
AA1.3 SCALE: 1/8" = 1'-0"





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[Signature]

SYN	DESCRIPTION	DATE	APPR

DECEMBER 18, 2013

REVISIONS

DATE

BY

CHK

APP

DEPARTMENT OF DEFENSE
DESIGN AND PROJECT MANAGEMENT BRANCH

HAWAII ARMY NATIONAL GUARD

STATE OF HAWAII
FACILITY MANAGEMENT OFFICE

RE-ROOF TROOP COMMAND BLDGS #1 & #2
WAIAWA ARMORY

PARTIAL DETAILED ROOF PLAN

SCALE: AS NOTED

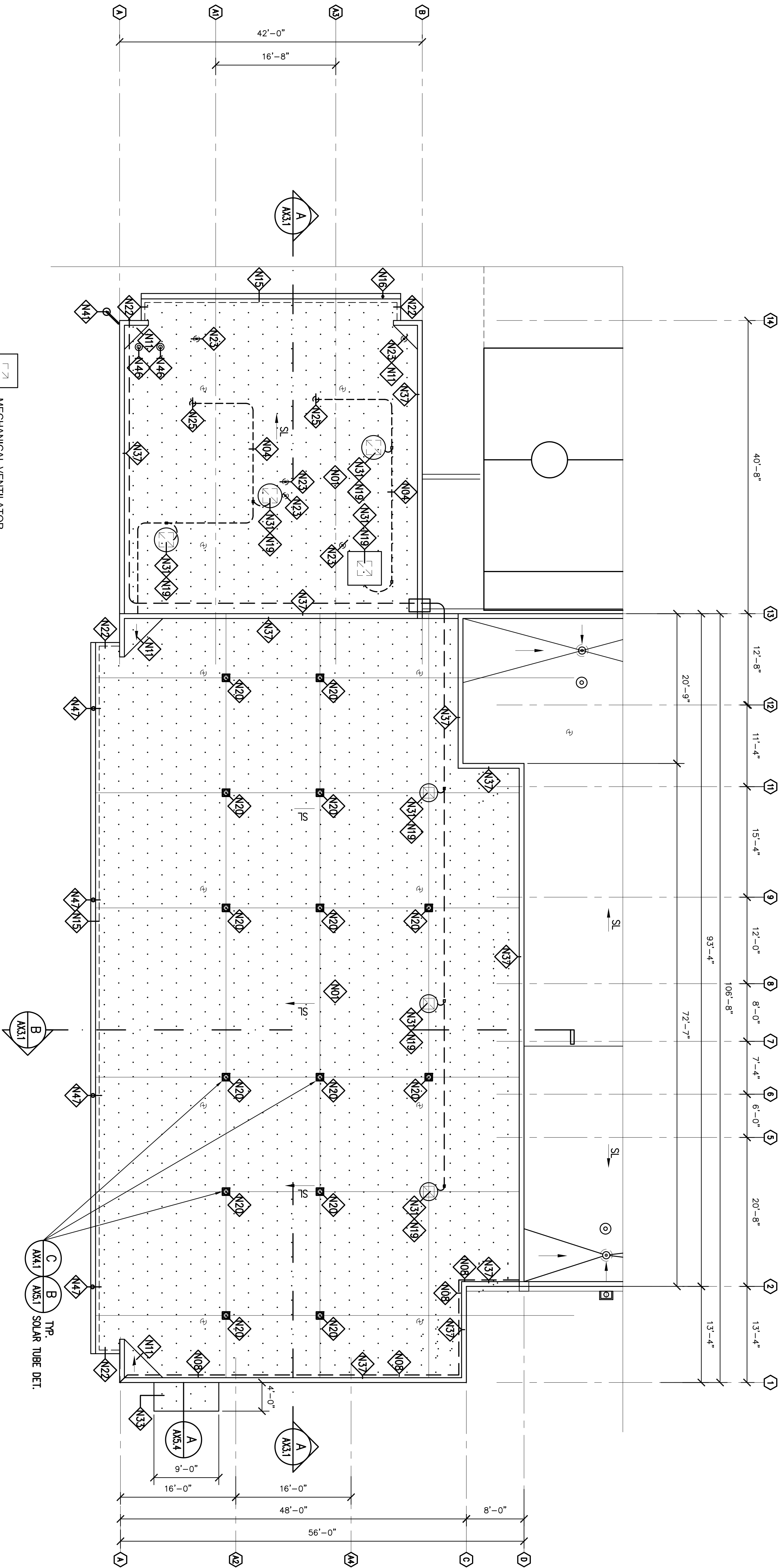
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FEDERAL PROJECT NO.

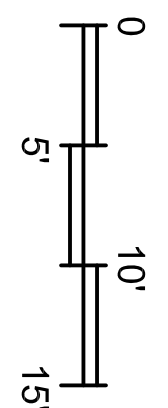
DRAWING NO.

AB1.1

SHEET 7 OF 41



BUILDING 2 – PARTIAL DETAILED ROOF PLAN
SCALE: 1/8" = 1'-0"



MECHANICAL VENTILATOR



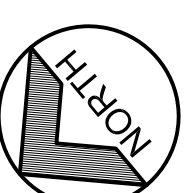
MECHANICAL VENTILATOR

ROOFING VENT

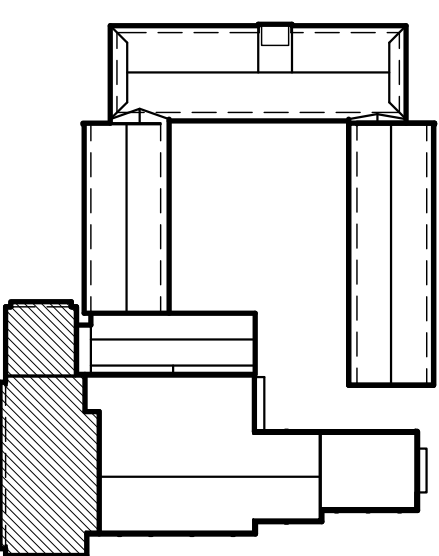
PLUMBING VENT

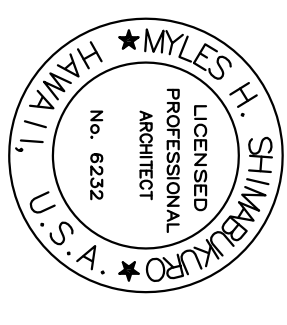


6" FLUE



KEY PLAN
SCALE: N.T.S.





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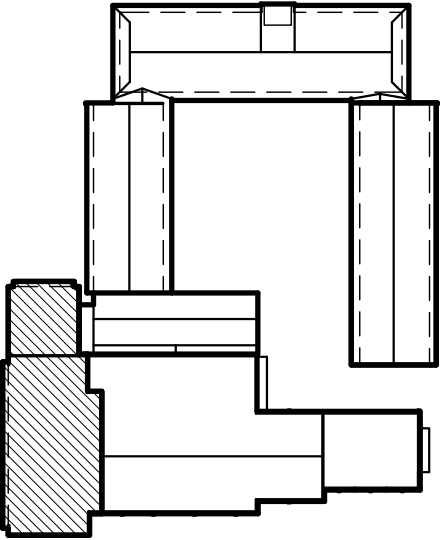
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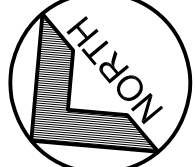
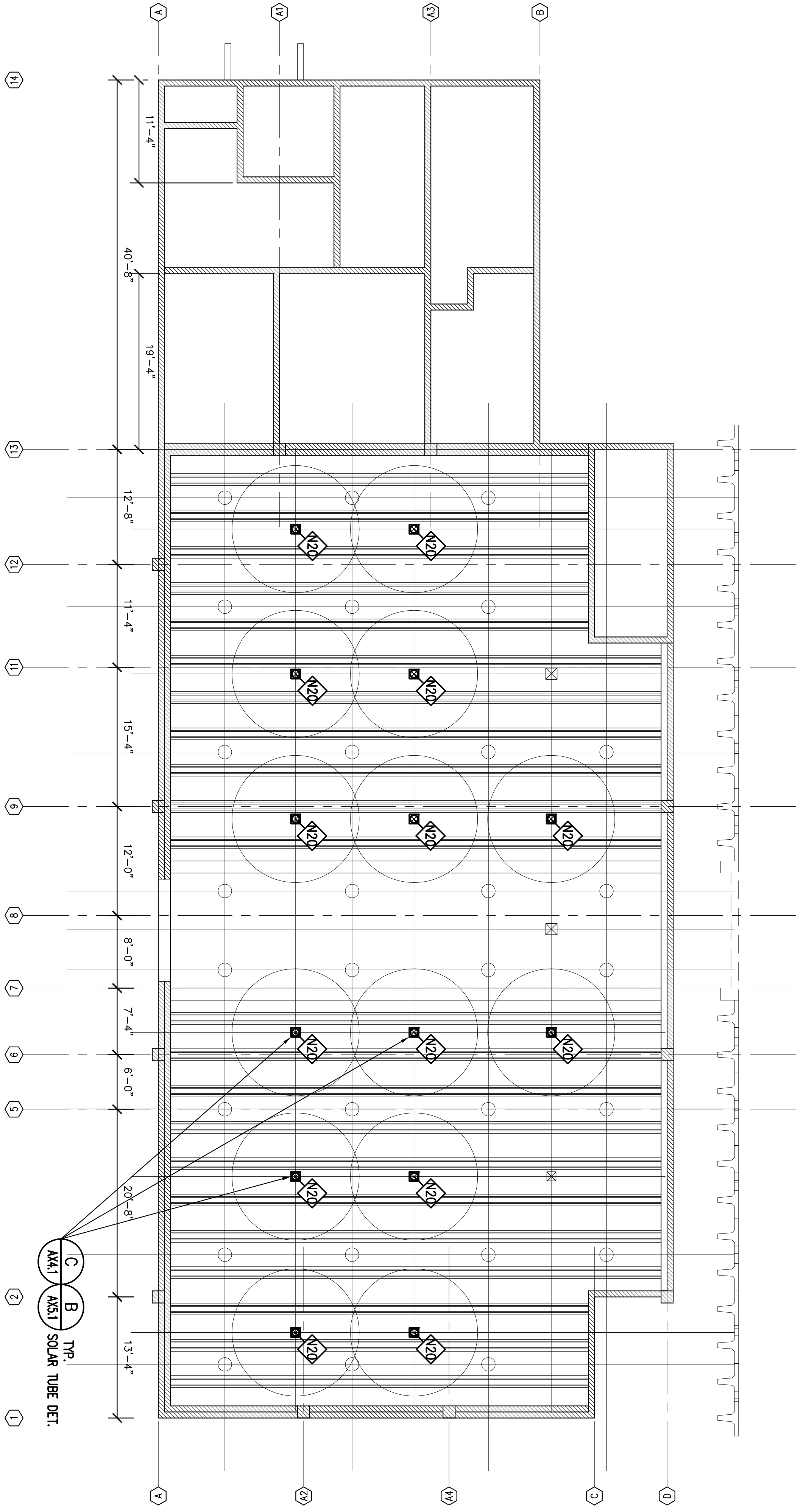
DECEMBER 18, 2013
SUBMITTAL DATE
DES. INCH. REV. INCH. CHK. INCH.

DESIGN AND PROJECT MANAGEMENT BRANCH
HAWAII ARMY NATIONAL GUARD
FACILITY MANAGEMENT OFFICE

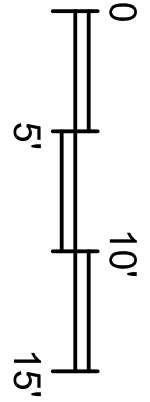
RE-ROOF TROOP COMMAND BLDGS #1 & #2
WAIKAWA ARMORY
PARTIAL DETAILED REFLECTED CEILING PLAN

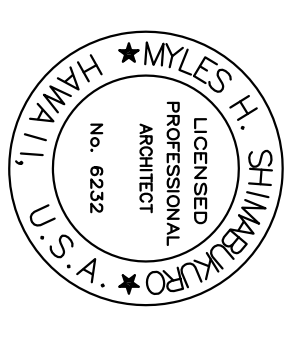


KEY PLAN
SCALE: N.T.S.



A BUILDING 2 – PARTIAL DETAILED REFLECTED CEILING PLAN
AB1.2 SCALE: 1/8" = 1'-0"





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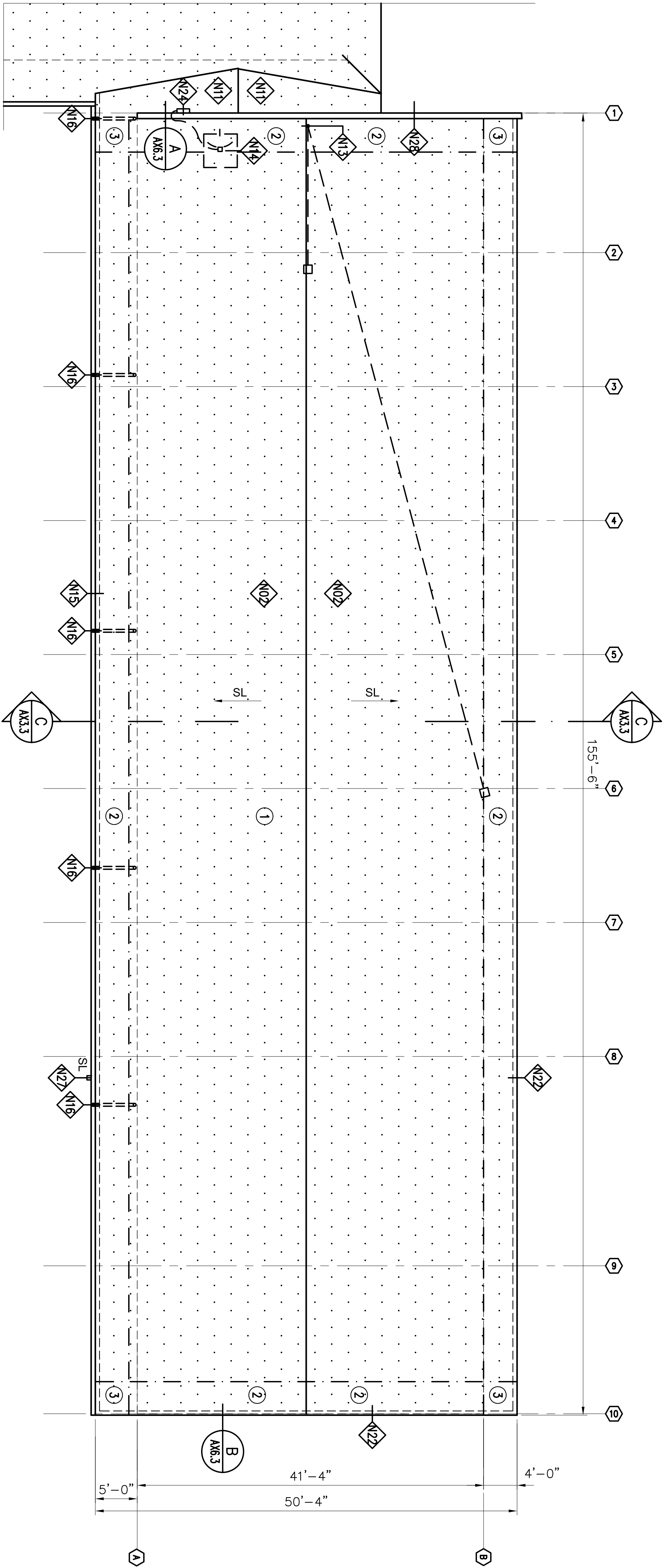
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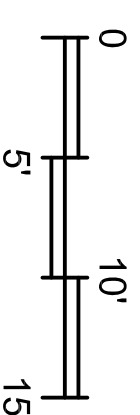
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CHECKED BY: [Signature]
DATE: [Signature]

STATE OF HAWAII	HAWAII ARMY NATIONAL GUARD	DEPARTMENT OF DEFENSE
FACILITY MANAGEMENT OFFICE	DESIGN AND PROJECT MANAGEMENT BRANCH	
RE-ROOF TROOP COMMAND BLDGS #1 & #2		
WAIAWA ARMORY		
PARTIAL DETAILED ROOF PLAN		

STATE OF HAWAII	
PROJECT NO. 0A-1219-D	
SCALE: AS NOTED	
DATE: 0A-1219-D	
DRAWING NO. AC1.1	
SHEET 8 OF 41	



A BUILDING 1 – PARTIAL DETAILED ROOF PLAN
AC1.1 SCALE: 1/8" = 1'-0"

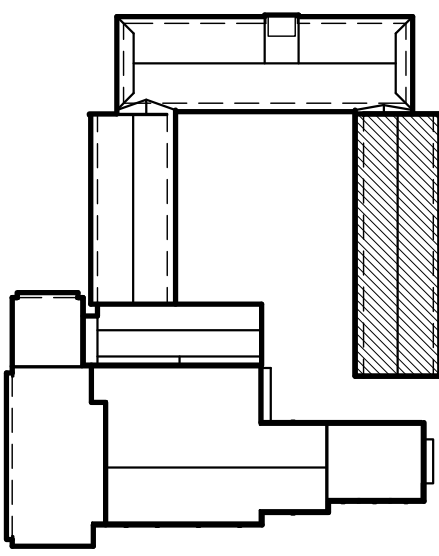


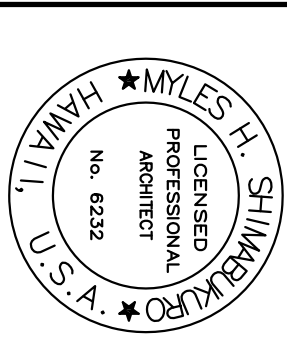
SUBSTRATE FASTENING SCHEDULE

ZONE	DESCRIPTION
1	FIELD PANELS - FASTEN AS PER DETAIL C/A4.3 - W/ 8 #10 X 2 1/2 SSTL SCREWS AND SEAM PLATES / BD.
2	EDGE, RIDGE, AND HIP PANELS - FASTEN AS PER DETAIL C/A4.3 - W/ 15 #10 X 2 1/2 SSTL SCREWS AND SEAM PLATES / BD.
3	CORNER PANELS (4'-0" X 4'-0" CORNERS) FASTEN AS PER DETAIL C/A4.3 - W/ 9 #10 X 2 1/2 SSTL SCREWS AND SEAM PLATES / HALF BD.



KEY PLAN
SCALE: N.T.S.





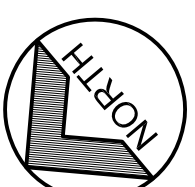
Stacy Davis

DECEMBER 18, 2013

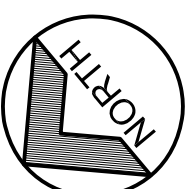
SUBMITTAL DATE

DES	MAHS	GRW	MAHS	CHK	MAHS
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AS NOTED
STATE JOB NO.
CA-1219-D
FEDERAL PROJECT NO.
DRAWING NO.

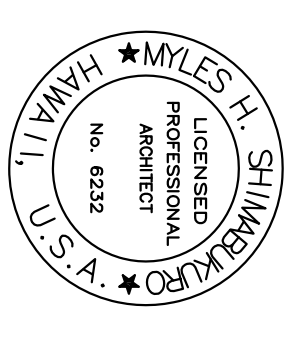


SHEET 11 of 41



ZONE	DESCRIPTION
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- ① "FIELD PANELS" - FASTEN AS PER DETAIL C/AX.3 - W/ # 8 #10 X 2 L STSL SCREWS AND SEAM PLATES / BD.
- ② "EDGE, RIDGE, AND HIP PANELS" - FASTEN AS PER DETAIL C/AX.3 - W/ #15 #10 X 2 L STSL SCREWS AND SEAM PLATES / BD.
- ③ "CORNER PANELS (4"0" X 4"0" CORNERS)" - FASTEN AS PER DETAIL C/AX.3 - W/ # 10 #10 X 2 L STSL SCREWS AND SEAM PLATES / H/AL / BD.



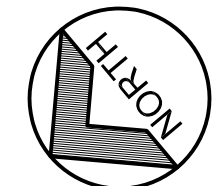
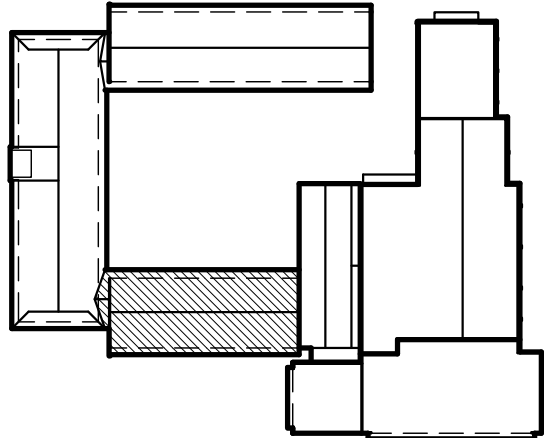
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[Signature]

SYN	DESCRIPTION	DATE	APPR

DECEMBER 18, 2013
SUBMITTAL DATE
SUBMITTAL LINE
DES. LINES
REV. LINES
DATE
BY
CHK
APP

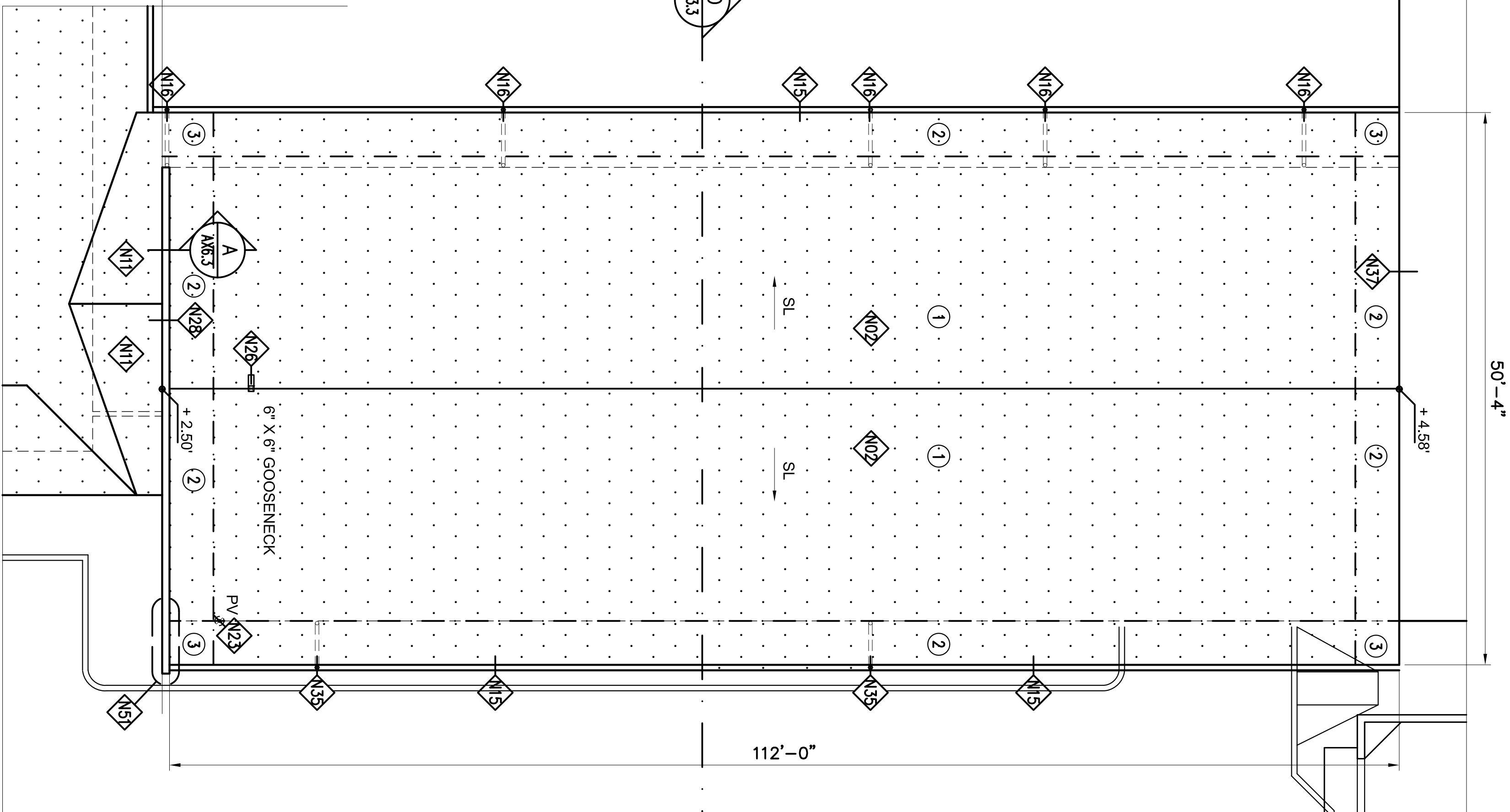
STATE OF HAWAII	HAWAII ARMY NATIONAL GUARD	DESIGN AND PROJECT MANAGEMENT BRANCH
FACILITY MANAGEMENT OFFICE	RE-ROOF TROOP COMMAND BLDGS #1 & #2	WAIAWA ARMORY
	PARTIAL DETAILED FLOOR PLAN	



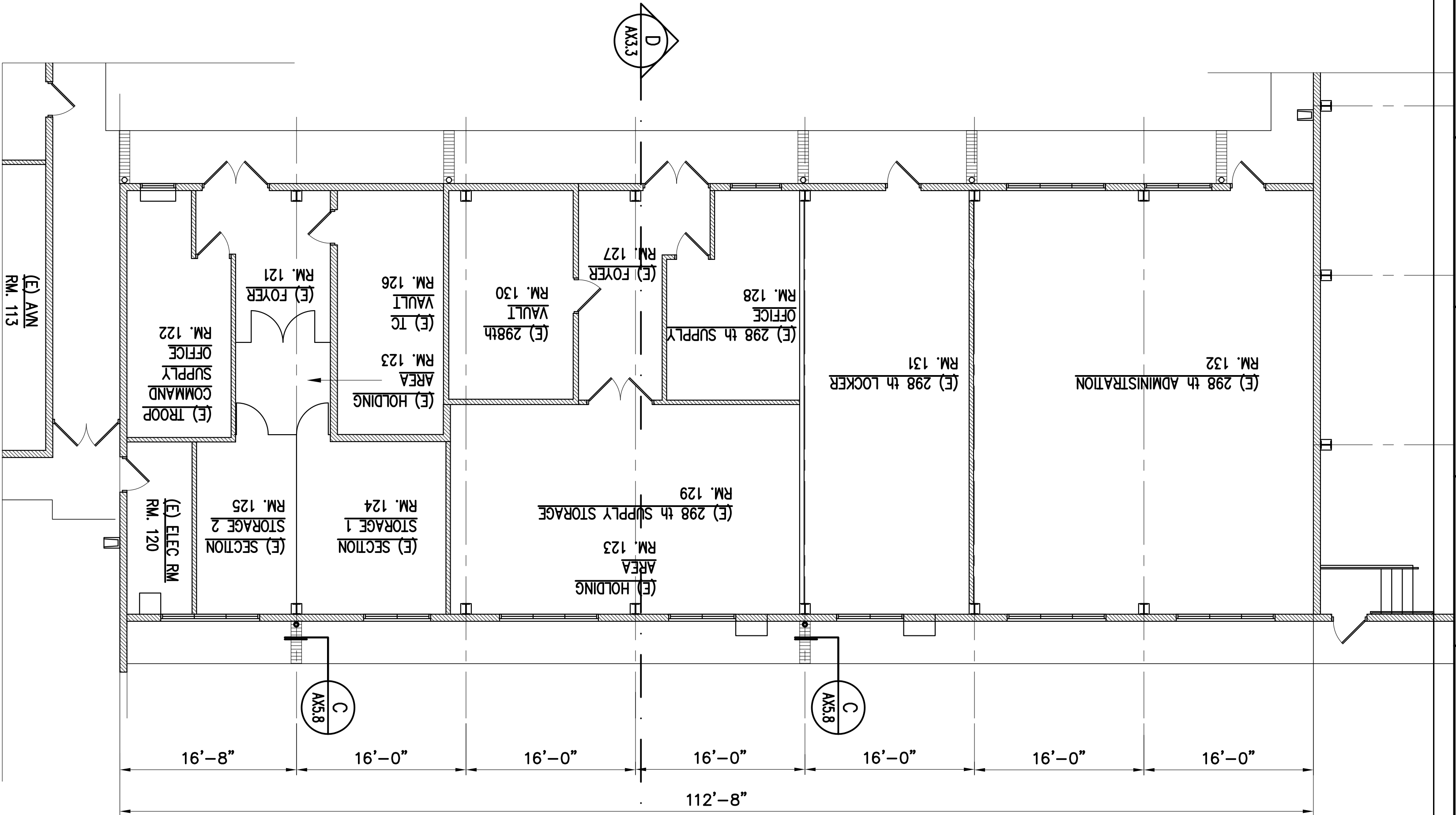
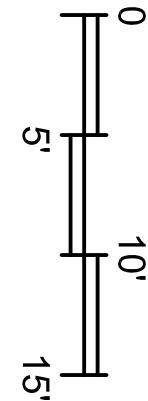
KEY PLAN
SCALE: N.T.S.

SUBSTRATE FASTENING SCHEDULE

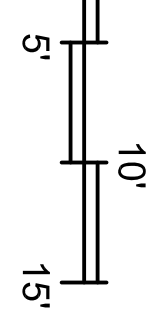
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- FIELD PANELS - FASTEN AS PER DETAIL C/A#4.3 - W/ 8 #10 X 2 1/2" SSTL SCREWS AND SEAM PLATES / BD.
 - EDGE, RIDGE, AND HIP PANELS - FASTEN AS PER DETAIL C/A#4.3 - W/ 15 #10 X 2 1/2" SSTL SCREWS AND SEAM PLATES / BD.
 - CORNER PANELS (4'-0" X 4'-0" CORNERS) FASTEN AS PER DETAIL C/A#4.3 - W/ 9 #10 X 2 1/2" SSTL SCREWS AND SEAM PLATES / HALF BD.

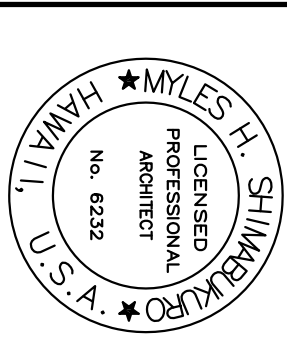


B BUILDING 1 – PARTIAL DETAILED ROOF PLAN
SCALE: 1/8" = 1'-0"



B BUILDING 1 – PARTIAL DETAILED FLOOR PLAN
SCALE: 1/8" = 1'-0"





Adrian J. Davis

SYM	DESCRIPTION	DATE	APPR

DECEMBER 18, 2013

SUBMITTAL DATE			
DES	MHS	GRW	MHS
		CHK	MHS

RD DESIGN AND PRO.

STATE OF HAWAII

FACILITY MANAGEMENT OFFICE

RE-ROOF TROOP COMMAND BLDG
WAI'AWA ARMORY

PARTIAL DETAILED FLOOR PLAN

AS NOIEL

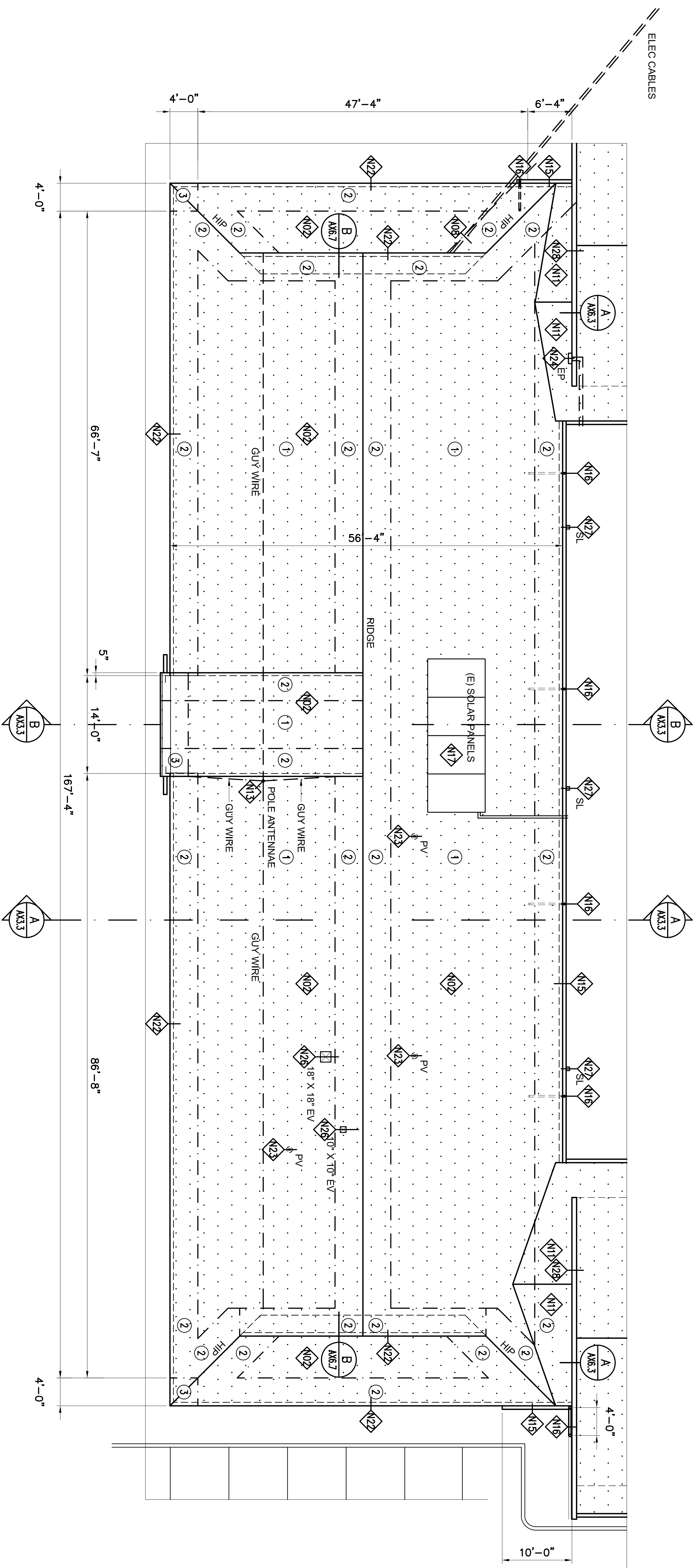
FEDERAL PROJECT NO.

The drawing shows a cross-section of a mechanical assembly. On the left, a hatched rectangular block represents a shaft or a component. To its right, a larger, more complex shape represents a housing or a bracket. The housing has a central vertical slot or keyway. The hatched block is positioned such that it fits into this slot. The drawing uses standard engineering conventions: hatching for the shaft, solid lines for the housing, and dashed lines to indicate hidden internal features within the housing.

KEY PLAN
SCALE: N.T.S.

AF1.1

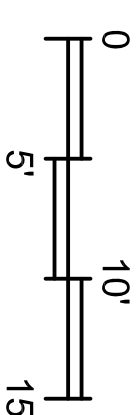
SHEET 13 of 41



A
AF1.1

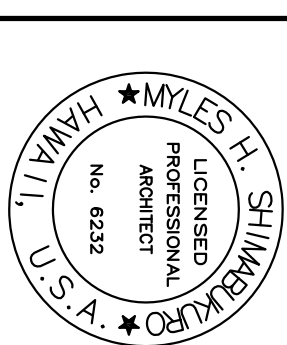
BUILDING

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



SUBSTRATE FASTENING SCHEDULE

ZONE	DESCRIPTION
①	"FIELD PANELS" - FASTEN AS PER DETAIL C.A.X.X. 3 - W/ #10 X 2"L SSTL SCREWS AND SEAM PLATES / BD.
②	"EDGE, RIDGE, AND HIP PANELS" - FASTEN AS PER DETAIL C.A.X.X. 3 - W/ #10 X 2"L SSTL SCREWS AND SEAM PLATES / BD.
③	"CORNER PANELS (4'-0" x 4'-0" CORNERS) FASTEN AS PER DETAIL C.A.X.X. 4 - W/ #9 X 10 X 2"L SSTL SCREWS AND SEAM PLATES / H.M.F. BD.

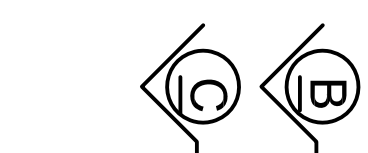


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DECEMBER 18, 2013

SUBMITTAL DATE			
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		CHK	MHS

AS NOTED
STATE JOB NO. CA-1219-D
FEDERAL PROJECT NO.
DRAWING NO.

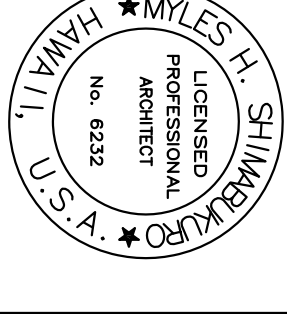


A BUILDING
SCALE: 1/8" = 1'-0"

B BUILDING 1 – EXTERIOR ELEVATION
 A&2.1 SCALE: 1/8" = 1'-0"

C BUILDING 1 – EXTERIOR ELEVATION
AX2.1 SCALE: 1/8" = 1'-0"

(E) ELEC CABLE & SUPPORT TO REMAIN



[Signature]

SYM	DESCRIPTION	DATE	APPR

SUBMITTAL PHASE				
DECEMBER 18, 2013				
SUBMITTAL DATE				
DES	MHS	DRW	MHS	CHK

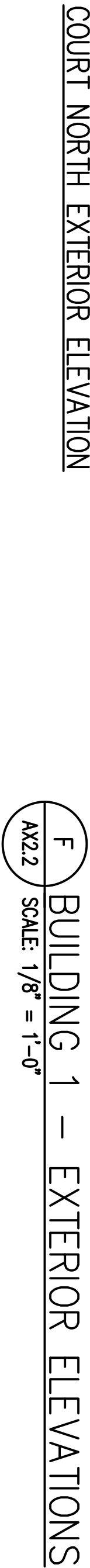
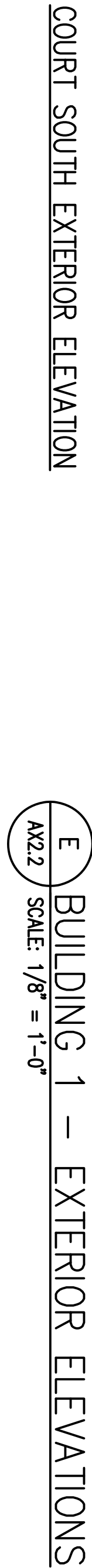
STATE OF HAWAII	HAWAII ARMY NATIONAL GUARD
FACILITY MANAGEMENT OFFICE	DE
RE-ROOF TROOP COMMAND BLDGS #1 & #2 WAIJAWA ARMORY	
EXTERIOR ELEVATIONS	

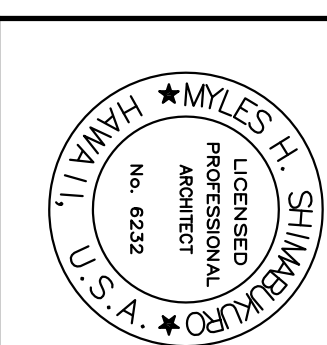
SCALE:	AS NOTED
STATE JOB NO.	CA-1219-D
FEDERAL PROJECT NO.	
DRAWING NO.	



AX2.2

15 of 41





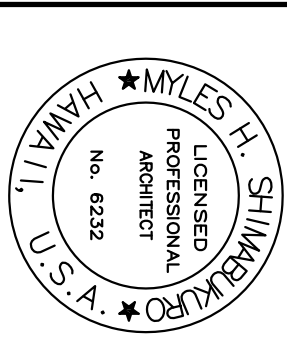
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DECEMBER 18, 2013			
SUBMITTAL DATE			
DCS	MHS	CRM	MHS
		CRM	MHS

AS NOTED
STATE JOB NO. CA-1219-D
FEDERAL PROJECT NO.
DRAWING NO.

6





Thomas J. Davis

DECEMBER 18, 2013

SUBMITTAL DATE					
DES	MHS	DRW	MHS	CHK	MHS

DESIGN AND PRO

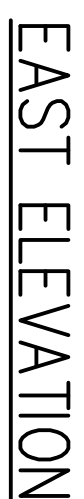
HAWAII

STATE OF HAWAII
FACILITY MANAGER

STATE JOB NO.
CA-1219-D
FEDERAL PROJECT NO.

AX2.4

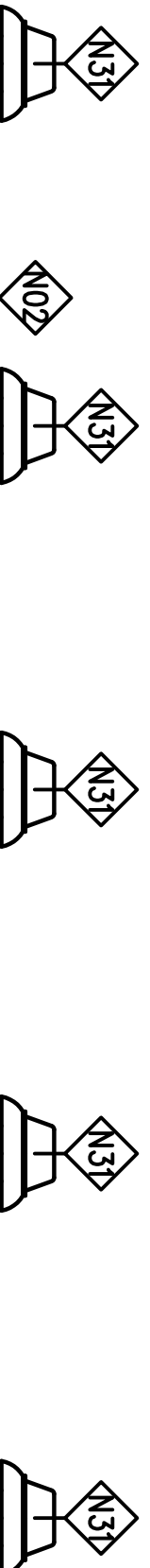
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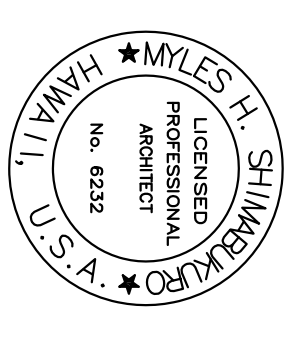


AX2.4 SCALE: 1/8" = 1'-0"

AX2.4 SCALE: 1/8" = 1'-0"

AX2.4 SCALE: 1/8" = 1'-0"





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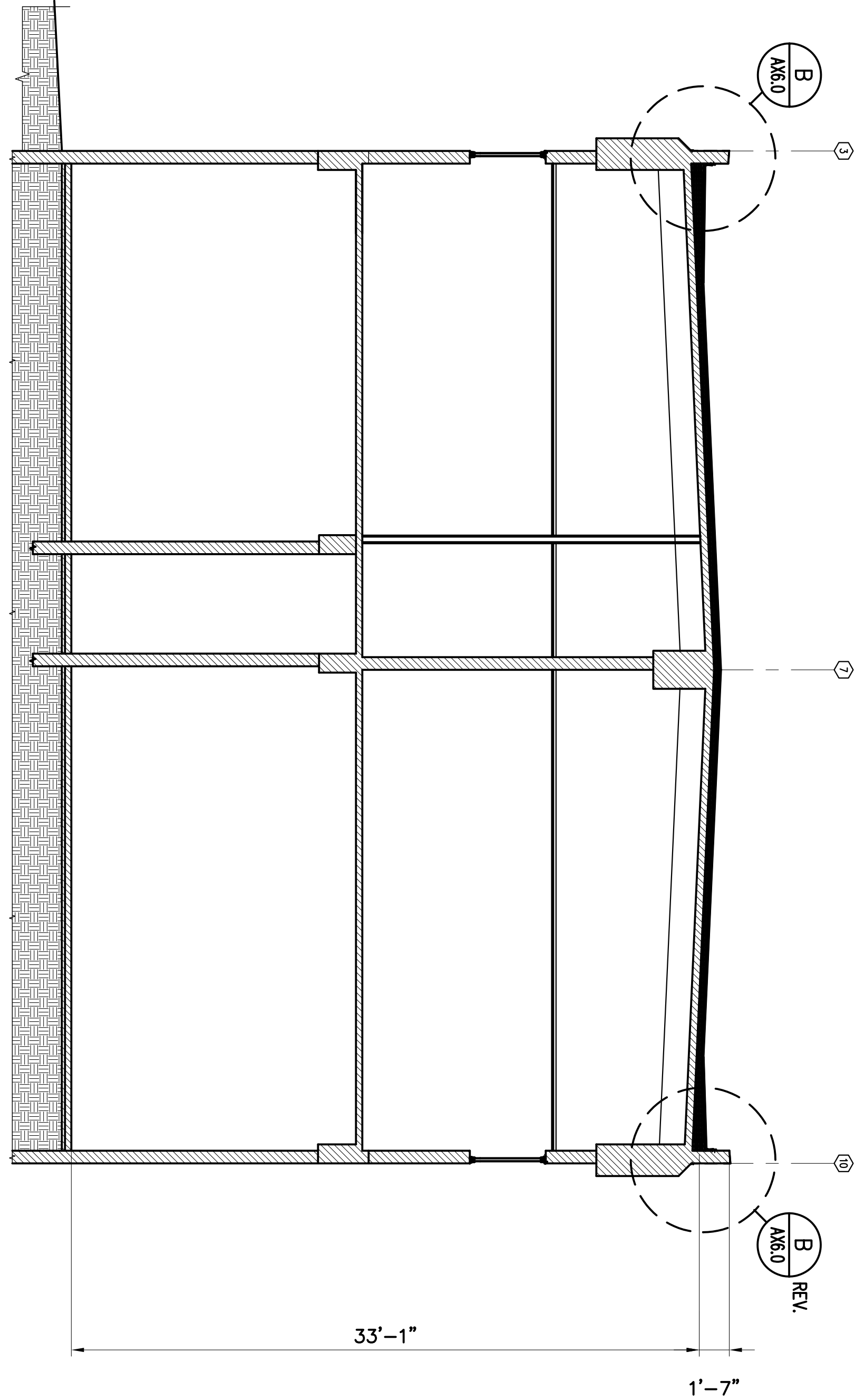
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SYN	DESCRIPTION		

SUBMITTAL DATE			
DECEMBER 18, 2013			
DES	MHS	REV	MHS
		CHK	MHS

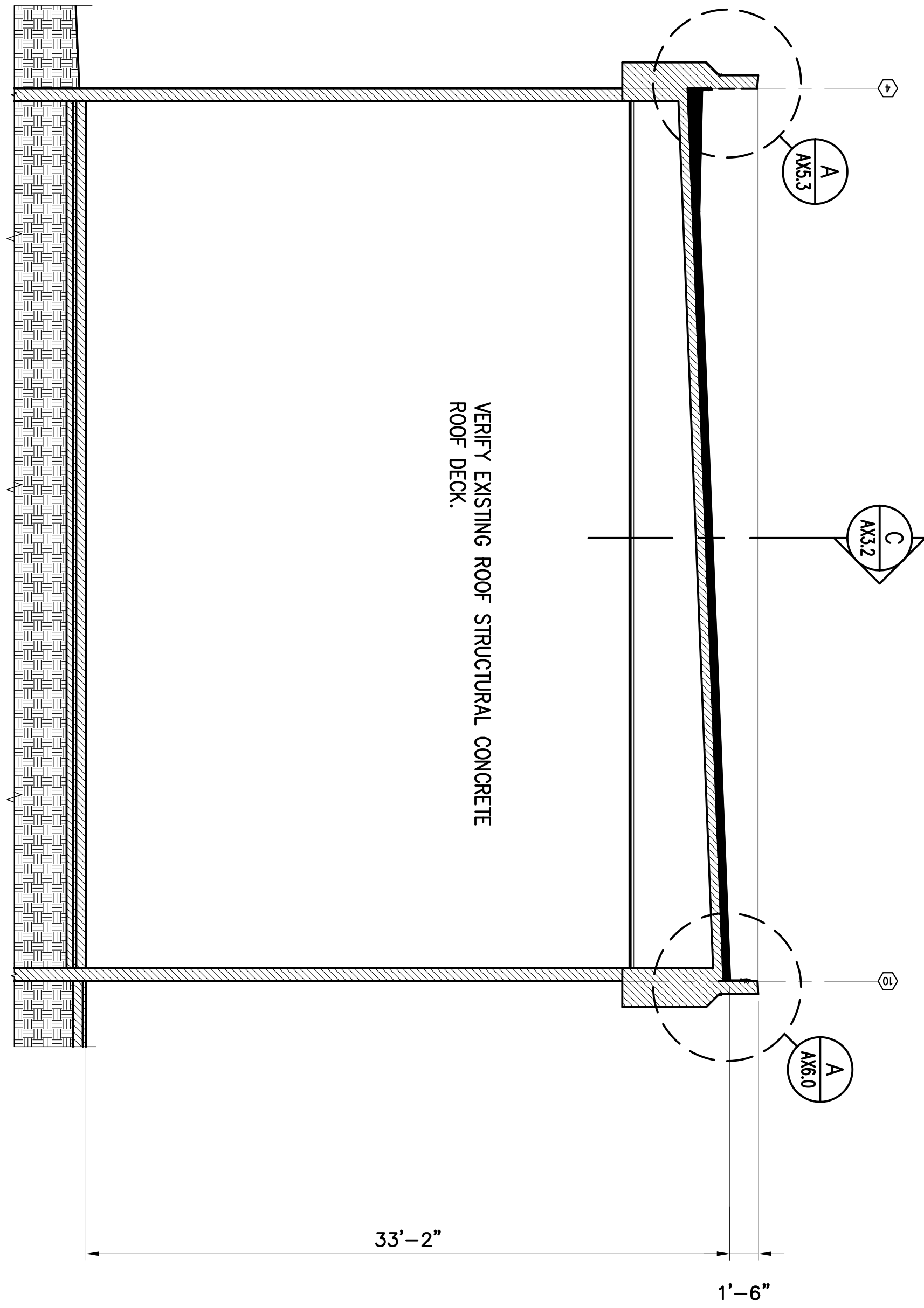
DEPARTMENT OF DEFENSE DESIGN AND PROJECT MANAGEMENT BRANCH		STATE OF HAWAII FACILITY MANAGEMENT OFFICE
RE-ROOF TROOP COMMAND BLDGS #1 & #2 WAIAWA ARMORY		
BUILDING SECTIONS		
SCALE: AS NOTED		STATE JOB NO. CA-1219-D
		FEDERAL PROJECT NO.
		DRAWING NO.



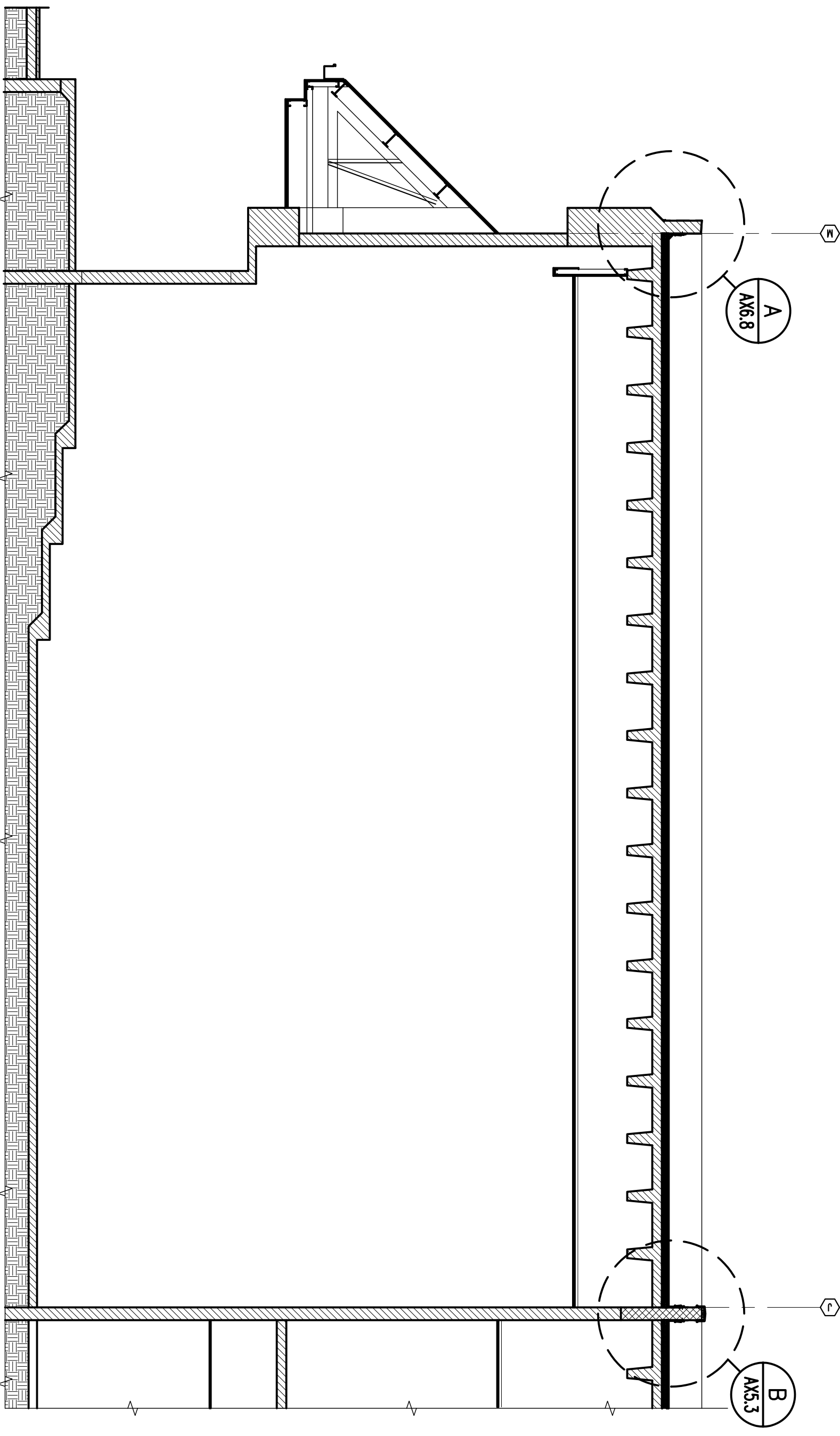
KEY PLAN
SCALE: N.T.S.



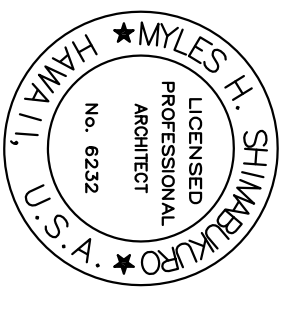
B BUILDING 2 – BUILDING SECTION
AX3.2 SCALE: 3/16" = 1'-0"



A BUILDING 2 BUILDING SECTION
AX3.2 SCALE: 3/16" = 1'-0"



C BUILDING 2 – BUILDING SECTION
AX3.2 SCALE: 3/16" = 1'-0"



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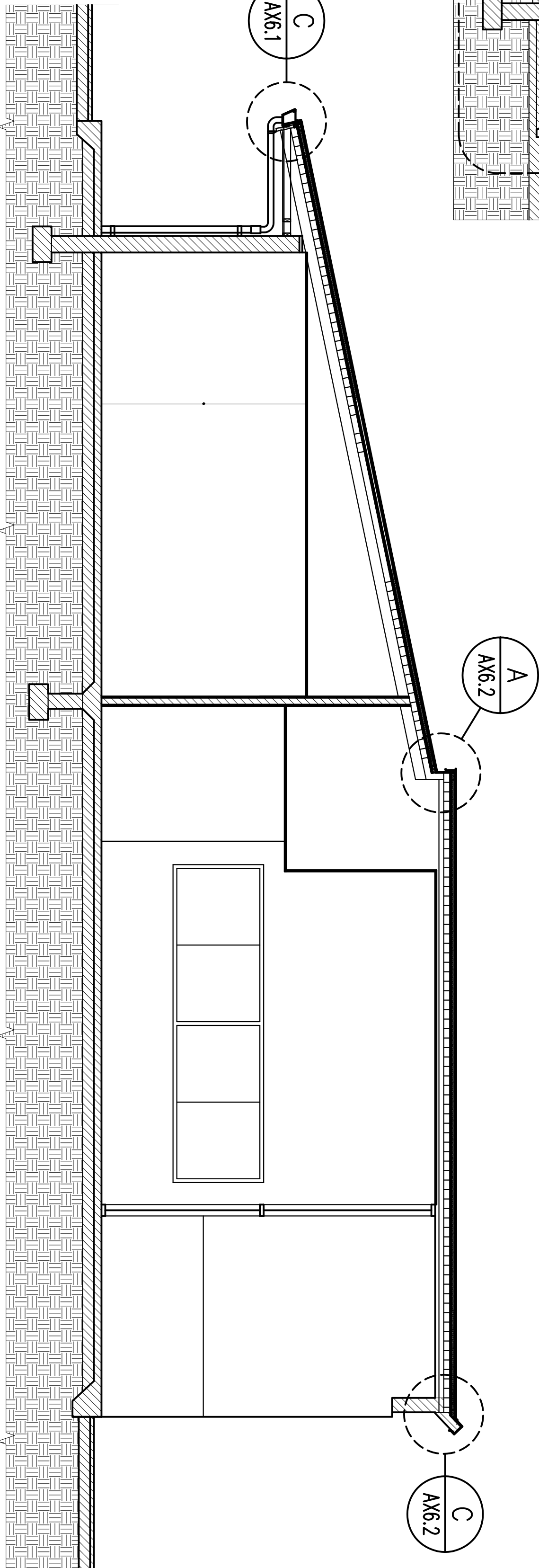
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SYN	DESCRIPTION	DATE	APPR

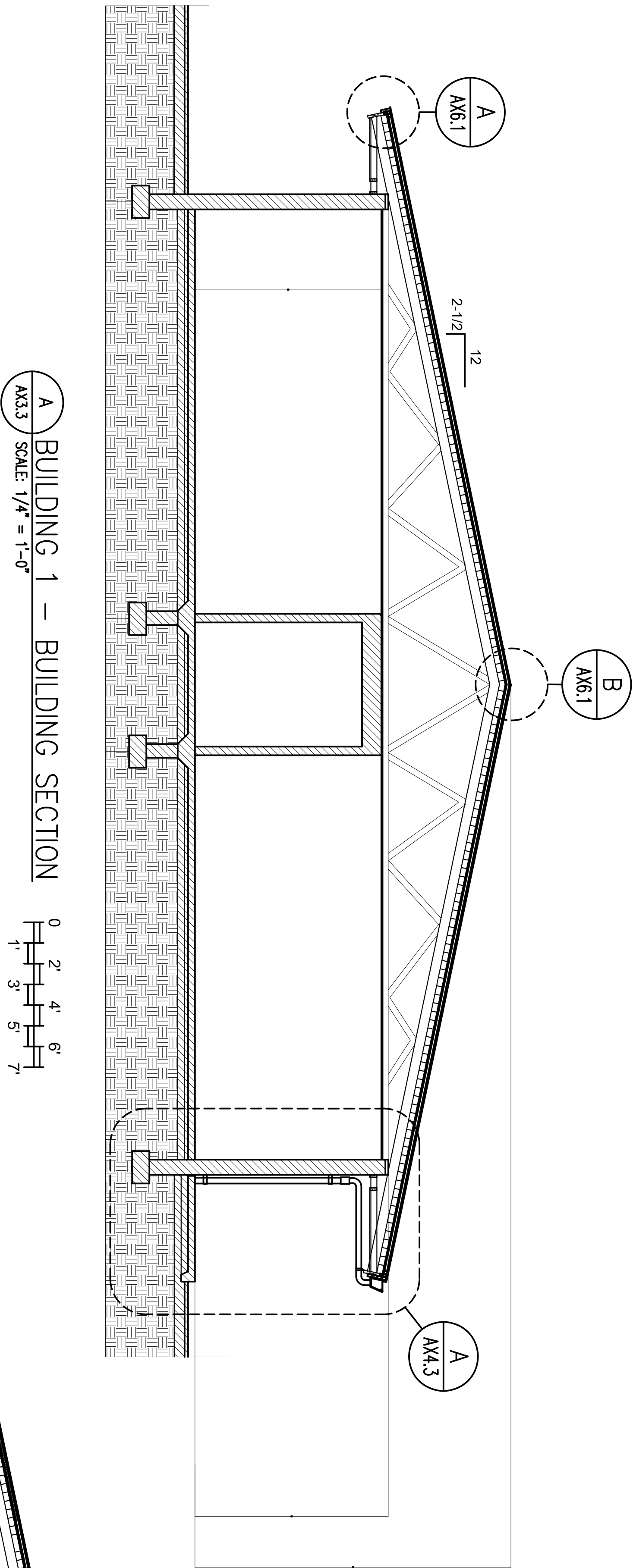
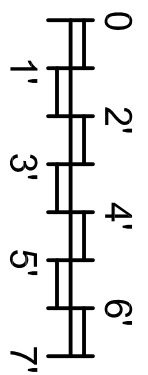
SEATTLE, WASH.
DECEMBER 18, 2013
DES. MHS
REV. MHS
CHK. MHS

STATE OF HAWAII	HAWAII ARMY NATIONAL GUARD	DEPARTMENT OF DEFENSE
FACILITY MANAGEMENT OFFICE	DESIGN AND PROJECT MANAGEMENT BRANCH	
RE-ROOF TROOP COMMAND BLDGS #1 & #2		
WAIAWA ARMORY		
BUILDING SECTIONS		

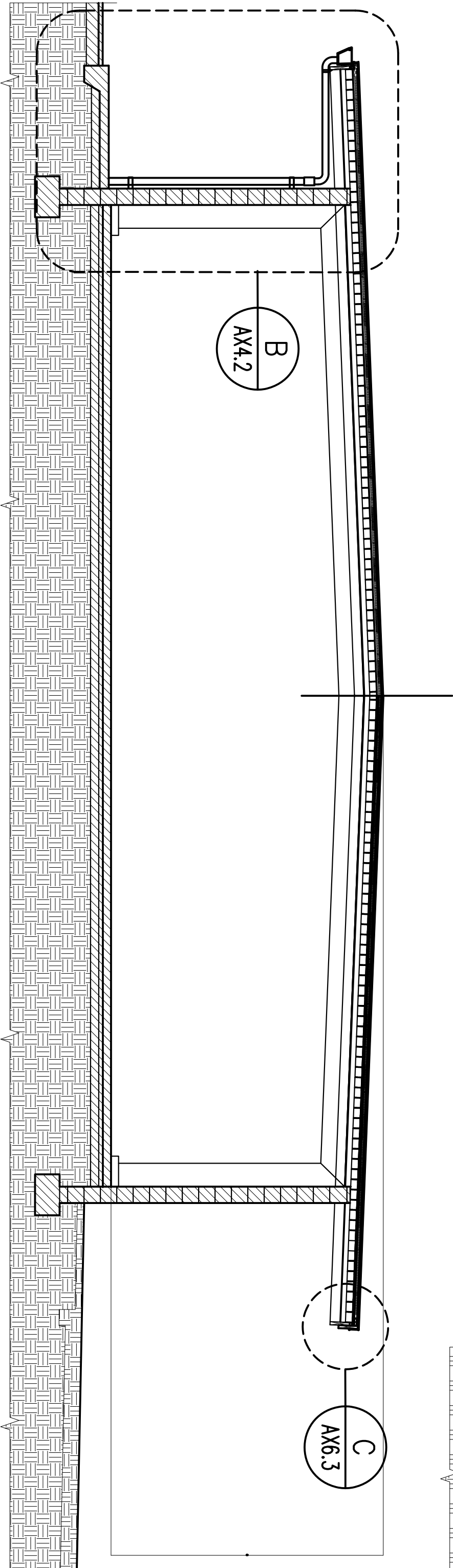
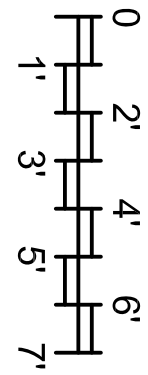
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STATE JOB NO. CA-1219-D
FEDERAL PROJECT NO.
DRAWING NO.
AX3.3
SHEET 20 OF 41



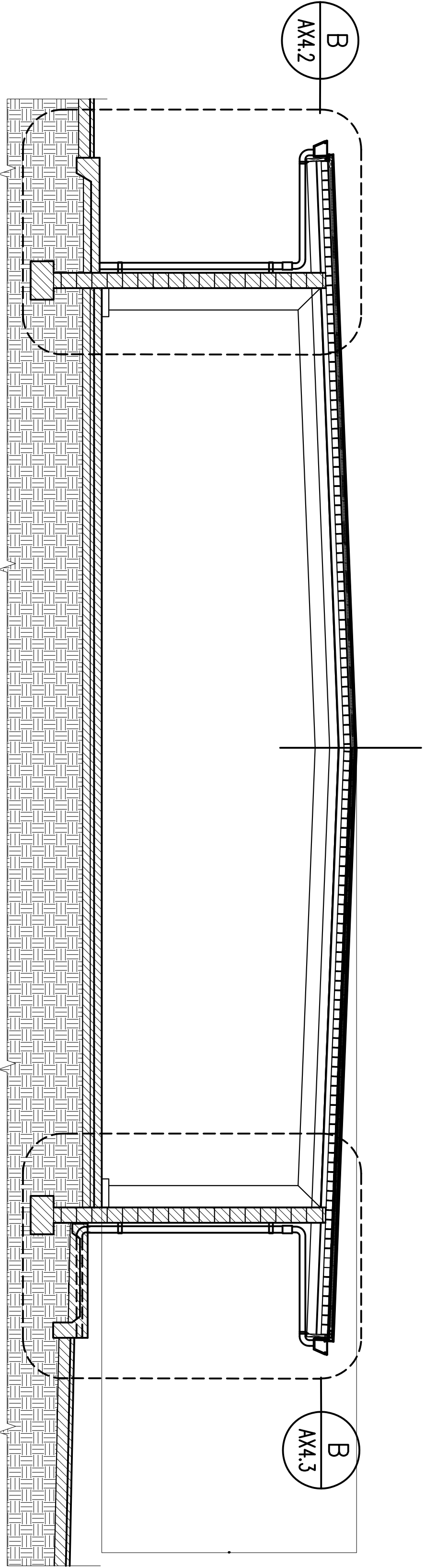
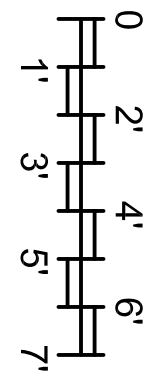
B BUILDING 1 – BUILDING SECTION
AX3.3 SCALE: 1/4" = 1'-0"



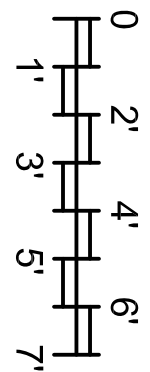
A BUILDING 1 – BUILDING SECTION
AX3.3 SCALE: 1/4" = 1'-0"

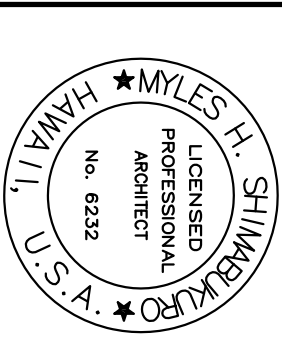


C BUILDING 1 – BUILDING SECTION
AX3.3 SCALE: 1/4" = 1'-0"



D BUILDING 1 – BUILDING SECTION
AX3.3 SCALE: 1/4" = 1'-0"

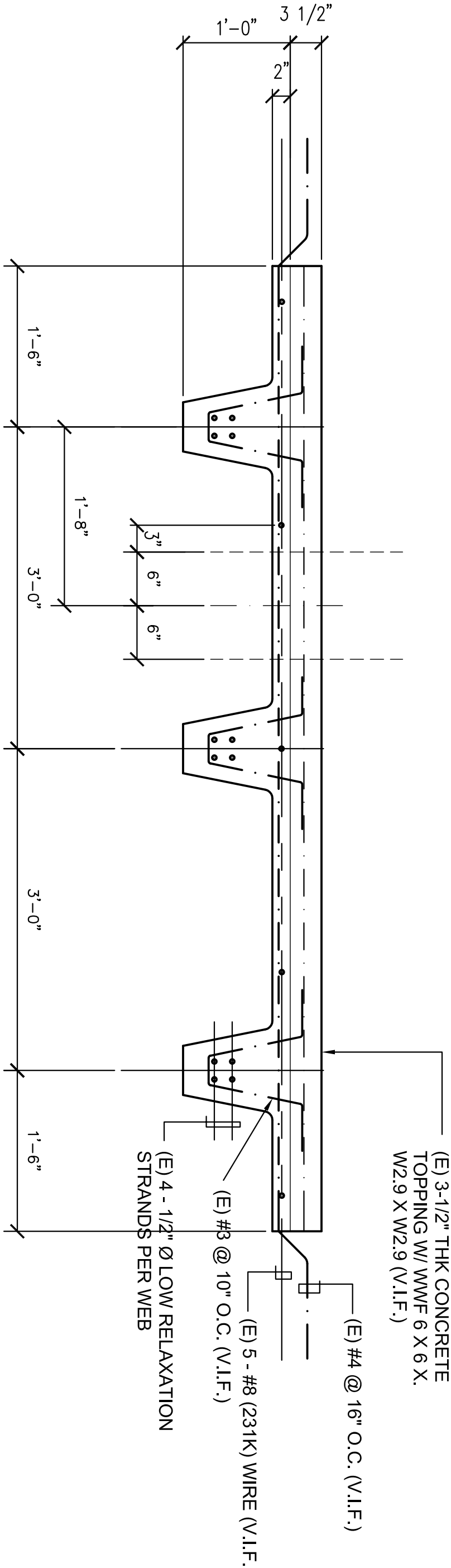




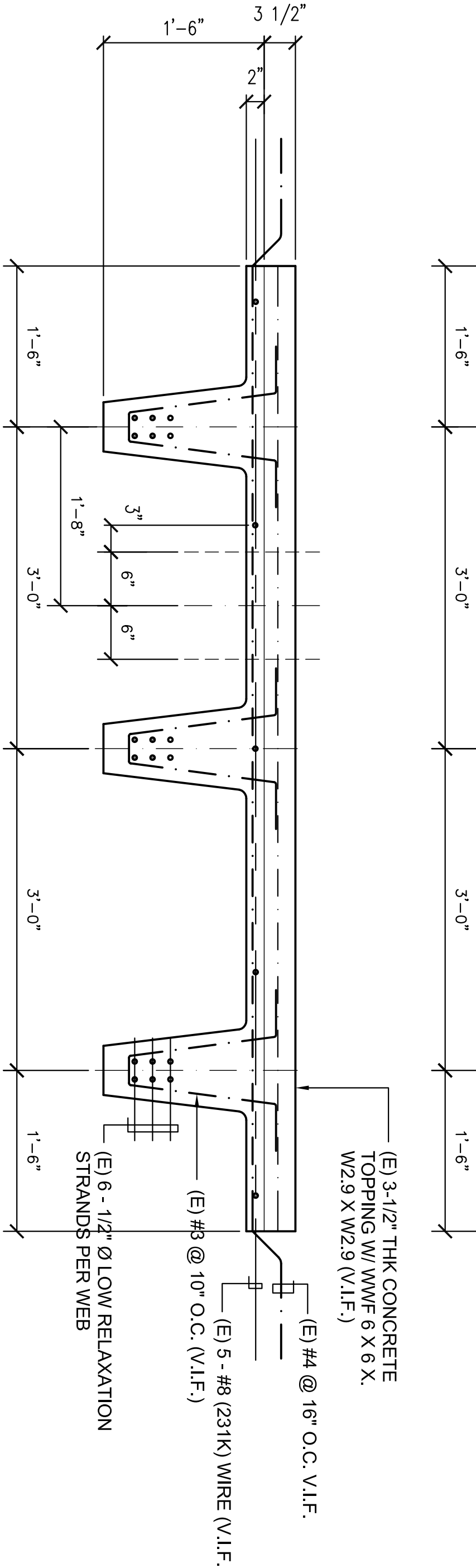
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[illegible]

(c) EXISTING DOUBLETEE PENETRATION CROSS SECTION VIF
SCALE: 1" = 1'-0"
AX4.1



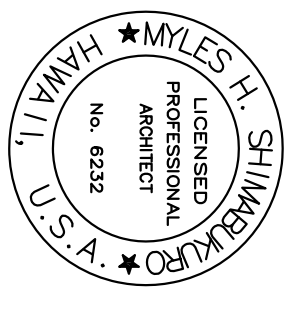
AX4.1 SCALE: 1" = 1'-0"



AX4.1 SCALE: 1" = 1'-0"



AX4.1



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M. Shinkell

SYN	DESCRIPTION	DATE	APPR

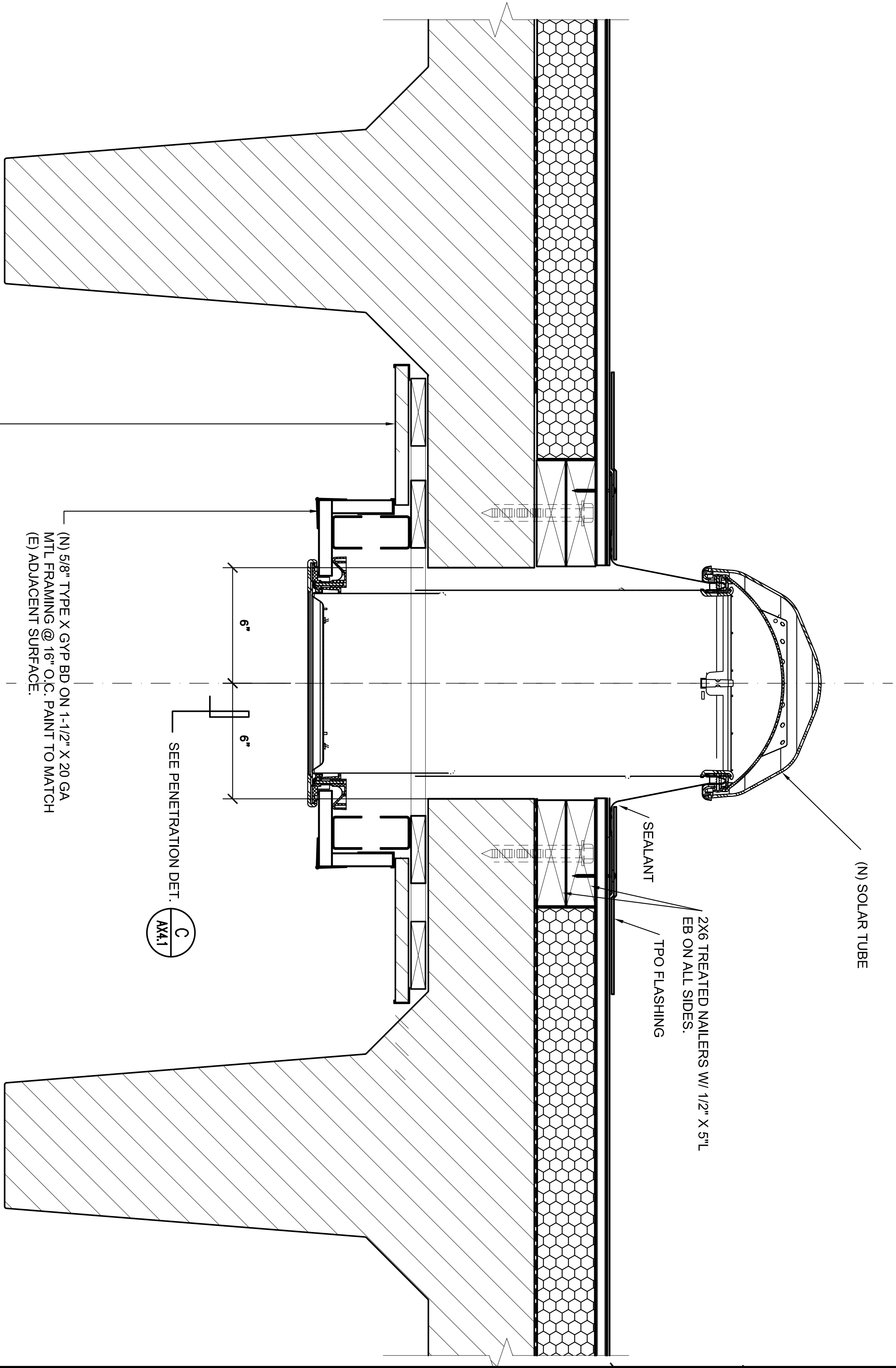
DECEMBER 18, 2013
SEALANT
DES. MINS. REV. MINS. DWG. MINS.

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

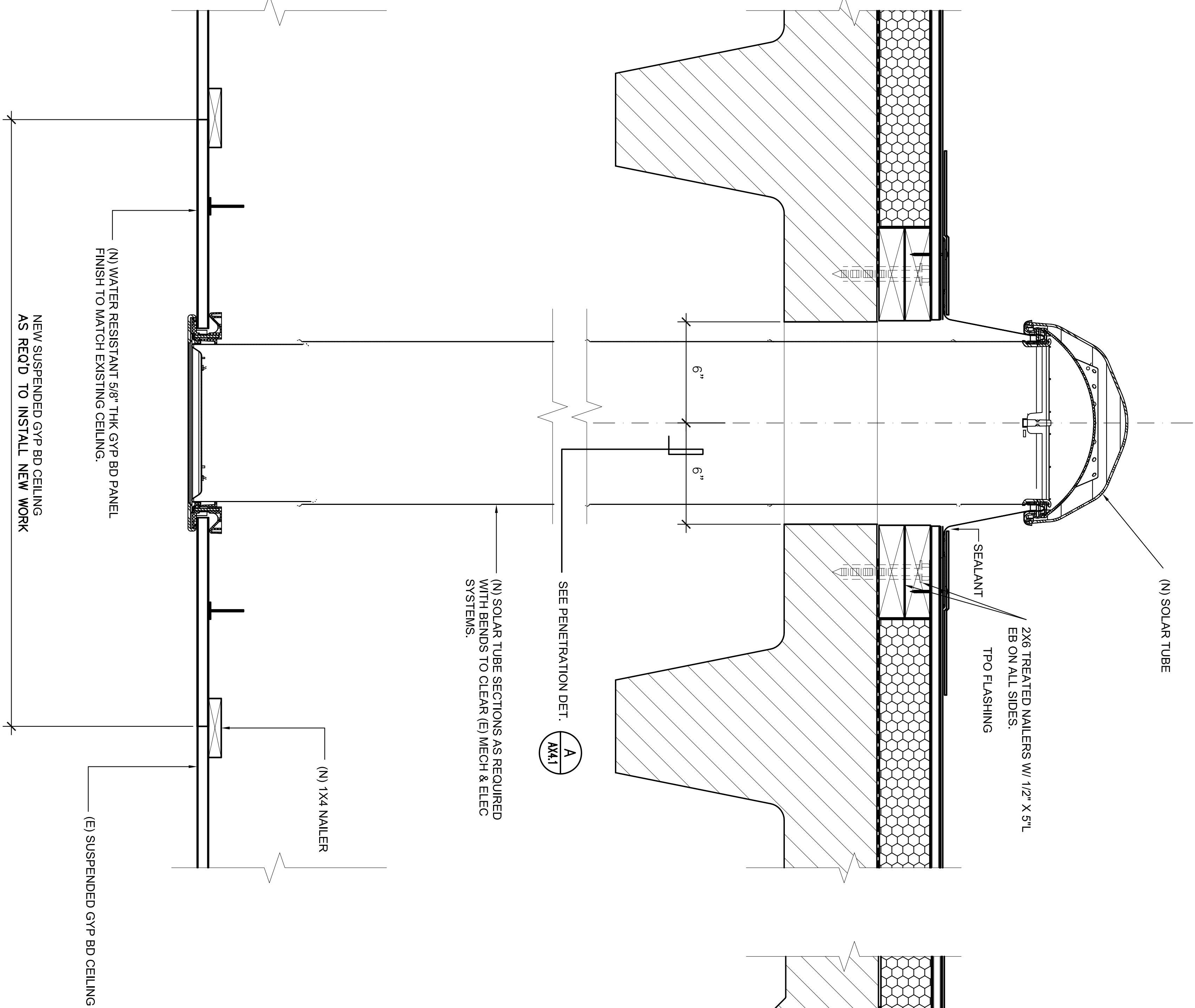
STATE OF HAWAII
FACILITY MANAGEMENT OFFICE
RE-ROOF TROOP COMMAND BLDGS #1 & #2
WAIAWA ARMORY
DETAILS

SCALE: AS NOTED
STATE JOB NO. CA-1219-D
FEDERAL PROJECT NO.

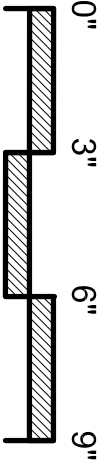
DRAWING NO.
AX5.1
SHEET 24 OF 41

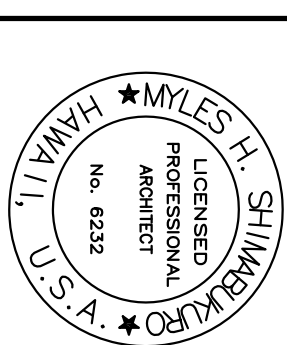


DETAIL @ SOLAR TUBE
@ ASSEMBLY RM. 101
AX5.1 SCALE: 3" = 1'-0"



DETAIL @ SOLAR TUBE
@ SHOWER & LATRINE RM 202
AX5.1 SCALE: 3" = 1'-0"



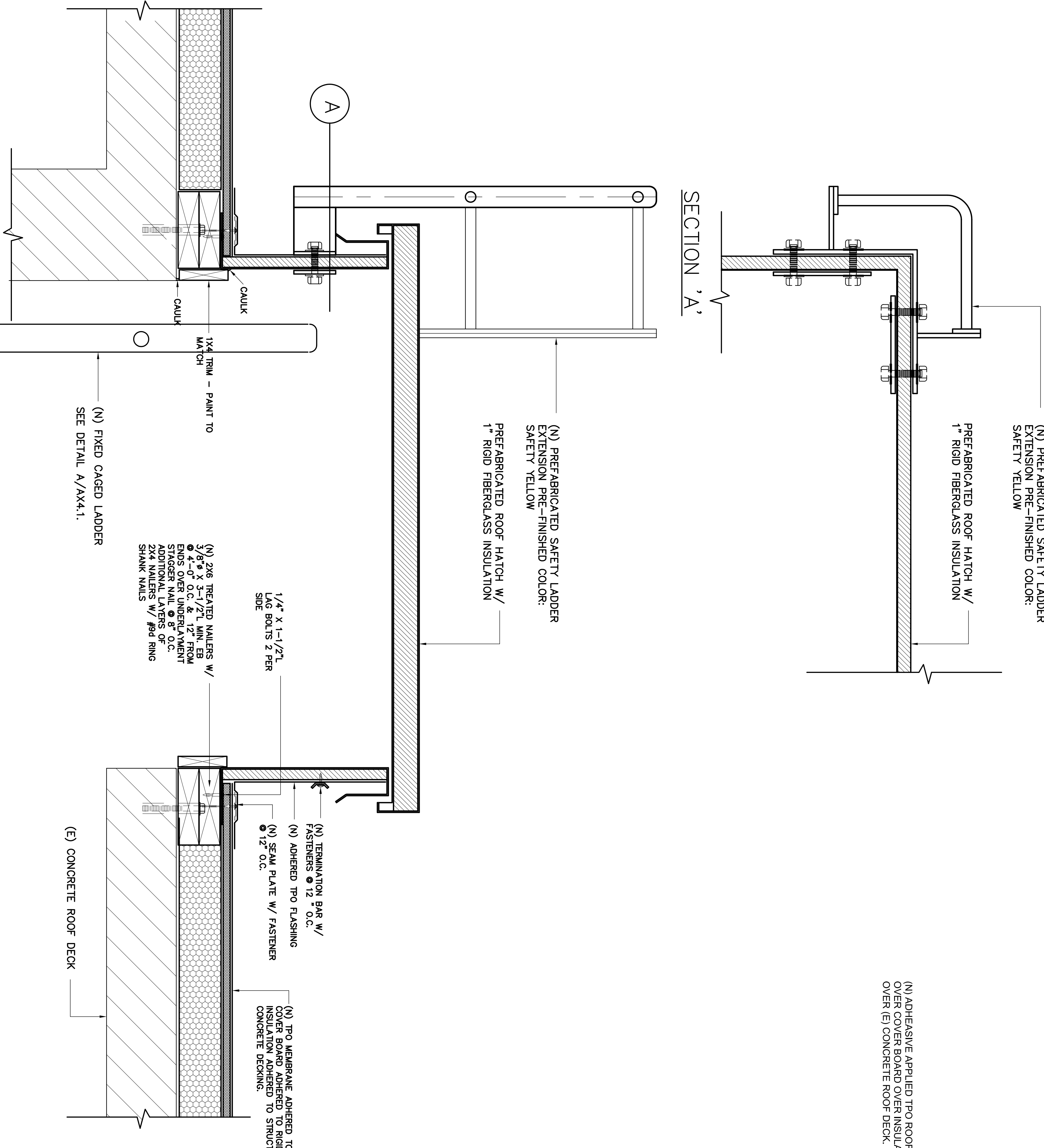
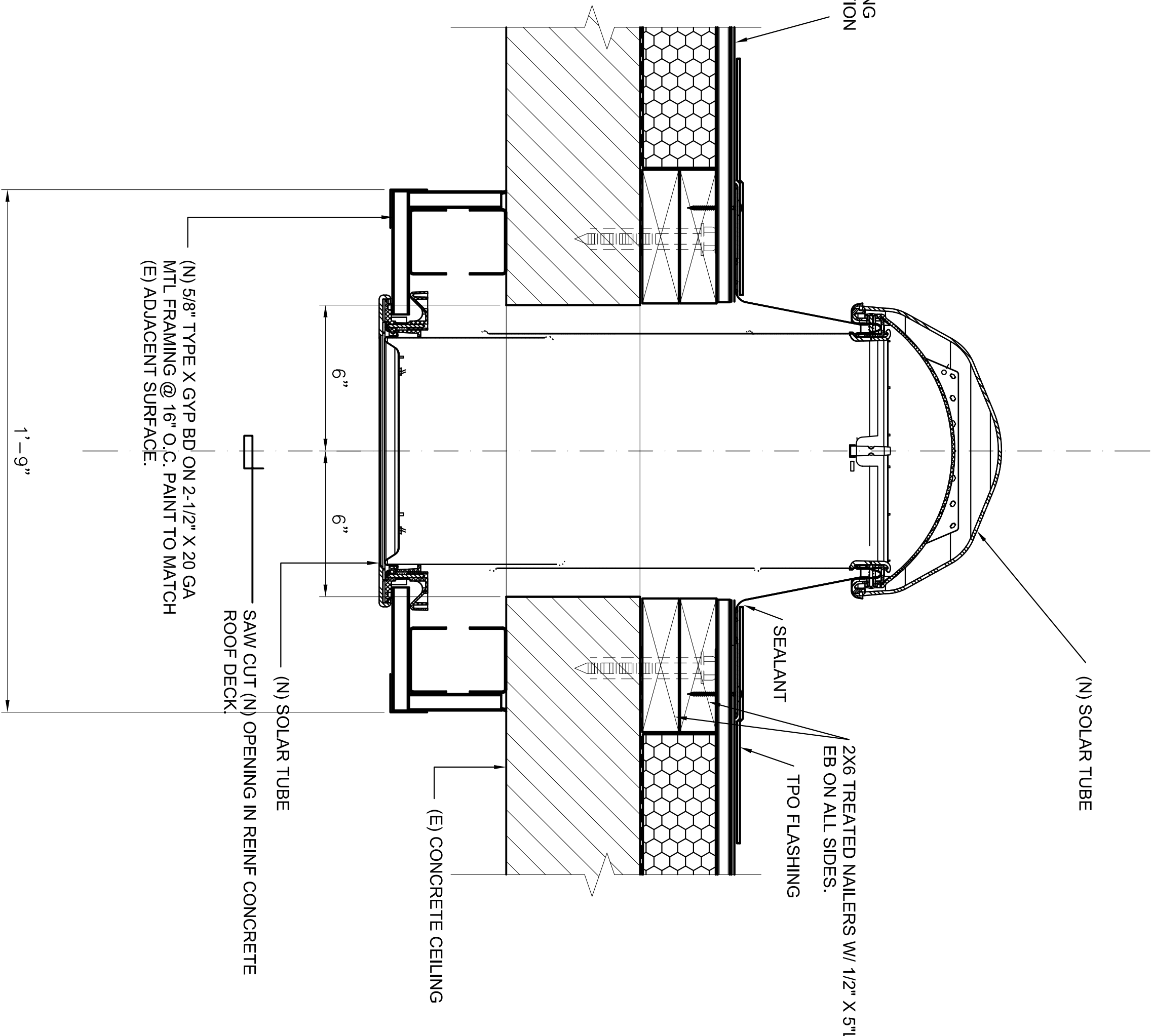


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DECEMBER 18, 2013

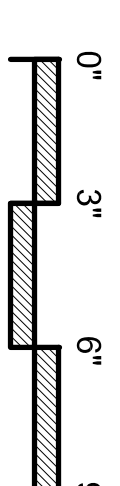
E	
H	

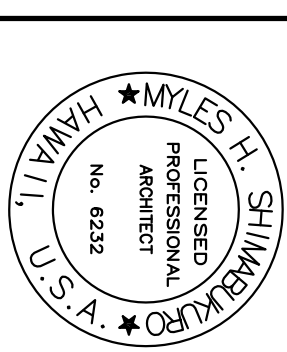
AX5.2 SCALE: 3" = 1'-0"



A	DETAIL @ ROOF SCUTTLE
AX5.2	SCALE 3" = 1'-0"

DETAIL @ SOLAR TUBE





[Signature]

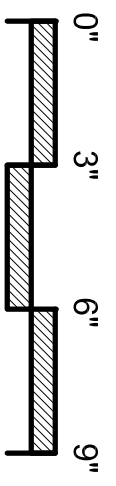
DECEMBER 18, 2013

SUBMITTAL DATE			
DOS	MHS	DRW	MHS
		CRK	MHS

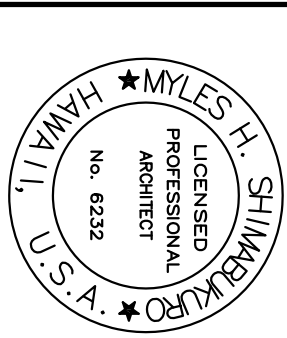
DEPARTMENT OF
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SHEET 26 of 41



[Signature]

DECEMBER 18, 2013

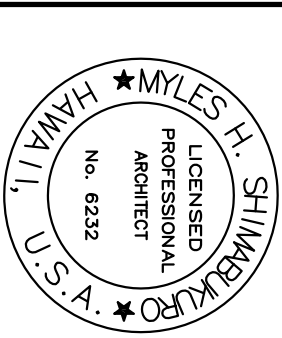
SUBMITTAL DATE			
DES	MHS	CRM	MHS
		CRM	MHS

DES	MHS	GRW	MHS	CHK	MHS
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STATE OF HAWAII	HAWAII ARMY NATIONAL GUARD
FACILITY MANAGEMENT OFFICE	DESIGN AND PROJECTS
RE-ROOF TROOP COMMAND BLDGS #1 & #2 WAIAWA ARMORY	
DETAILS	

DRAWING NO.

SHEET 28 OF 41



[Signature]

S/N	DESCRIPTION	DATE	APPRO.

SUBMITTAL DATE			
DES	NIHS	CRW	NIHS

OF DEFENSE
UNIT BRANCH

PROJECT

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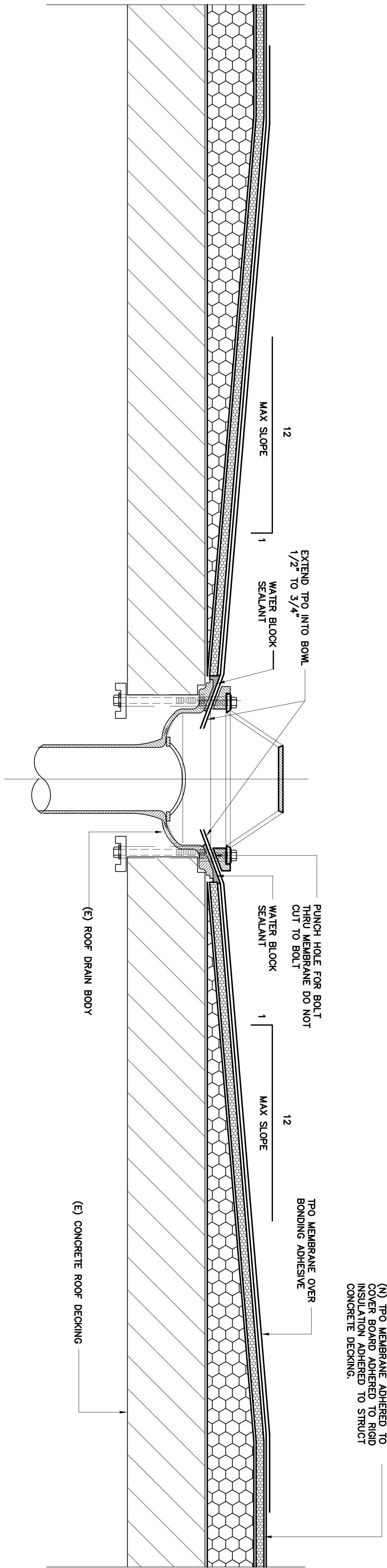
DATE OF	RE- WA	DETA
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SCALE:
AS NOTED

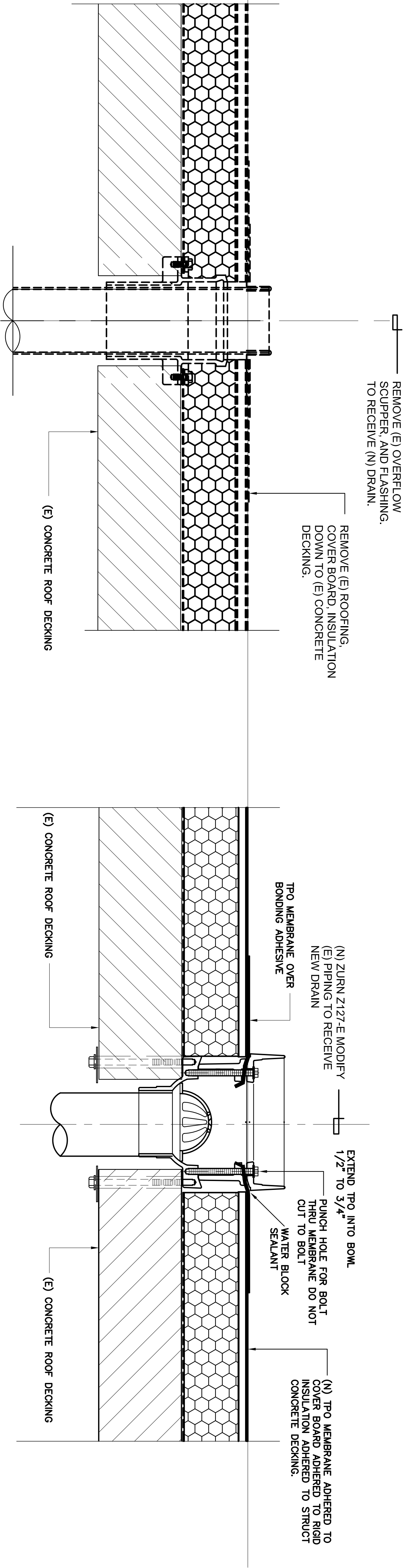
FEDERAL PROJECT NO.	
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SHEET 29 of 41



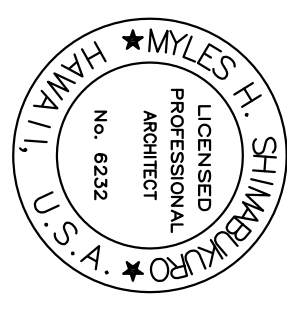
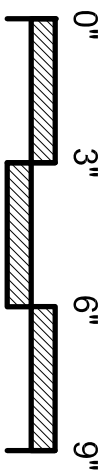
A
AX5.7
DETAIL @ ROOF DRAIN
SCALE 3" = 1'-0"



B
AX5.7
DETAIL @ OVERFLOW DRAIN
SCALE 3" = 1'-0"

REMOVAL DETAIL

RENOVATION DETAIL



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[Signature]

SYN	DESCRIPTION	DATE	APPR

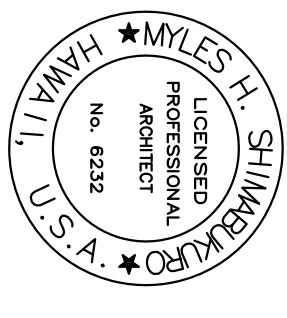
DECEMBER 18, 2013

REVISIONS
REV. DATE
REV. DATE
REV. DATE

DEPARTMENT OF DEFENSE
DESIGN AND PROJECT MANAGEMENT BRANCH
HAWAII ARMY NATIONAL GUARD
RE-ROOF TROOP COMMAND BLDGS #1 & #2
WAIAWA ARMORY

STATE OF HAWAII
FACILITY MANAGEMENT OFFICE
DETAILS

AX5.7
SHEET 30 OF 41



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Myles H. Shinkell

SYN	DESCRIPTION	DATE	APPR

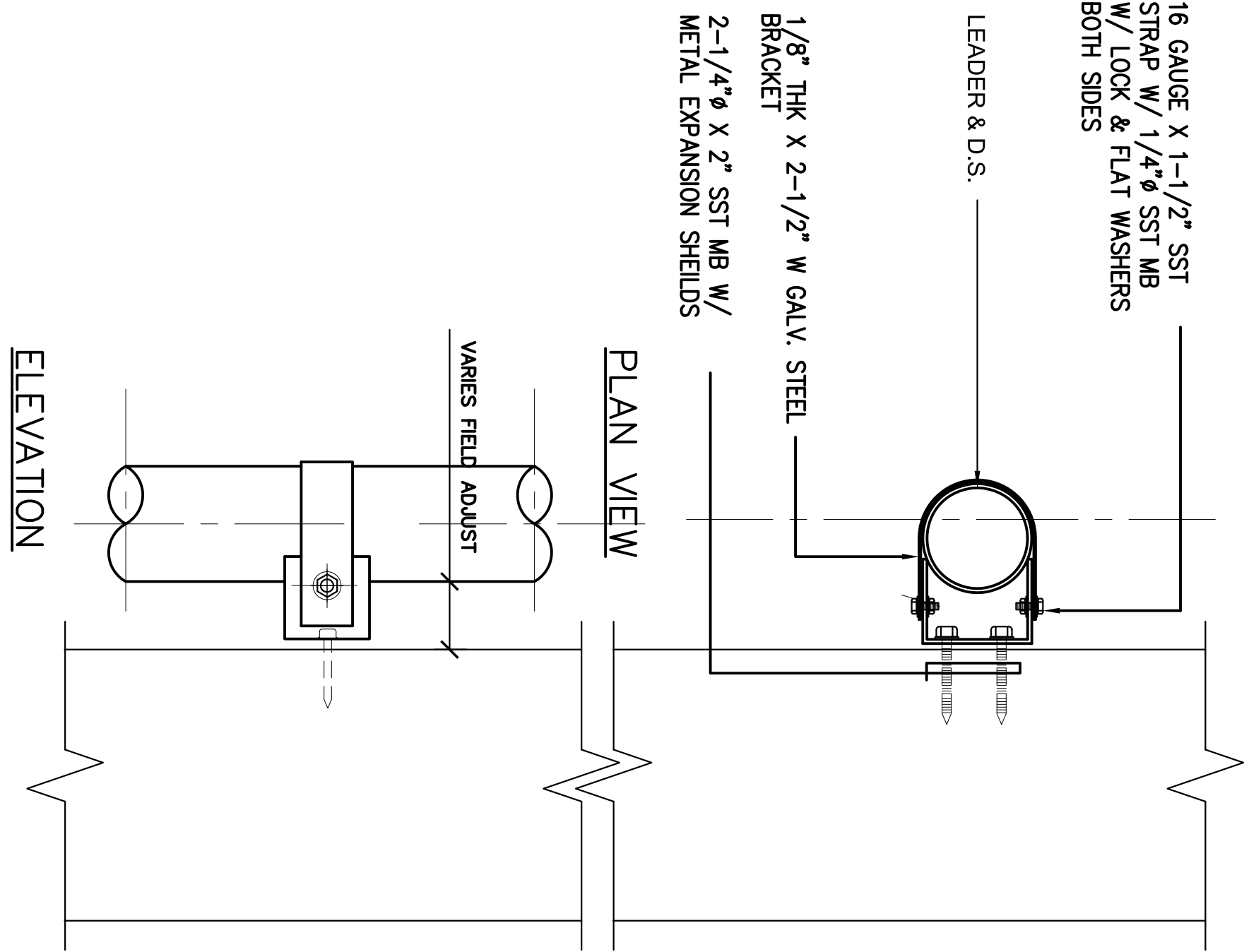
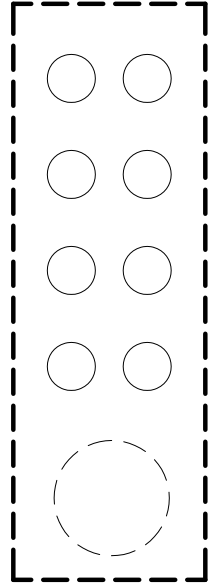
DECEMBER 18, 2013
SUBMITTAL DATE
DESIGN DATE
REV. DATE
REV. DATE
REV. DATE

DEPARTMENT OF DEFENSE
DESIGN AND PROJECT MANAGEMENT BRANCH
HAWAII ARMY NATIONAL GUARD
FACILITY MANAGEMENT OFFICE
RE-ROOF TROOP COMMAND BLDGS #1 & #2
WAIAWA ARMORY
DETAILS

STATE OF HAWAII
SCALE: AS NOTED
STATE JOB NO. CA-1219-D
FEDERAL PROJECT NO.
DRAWING NO.

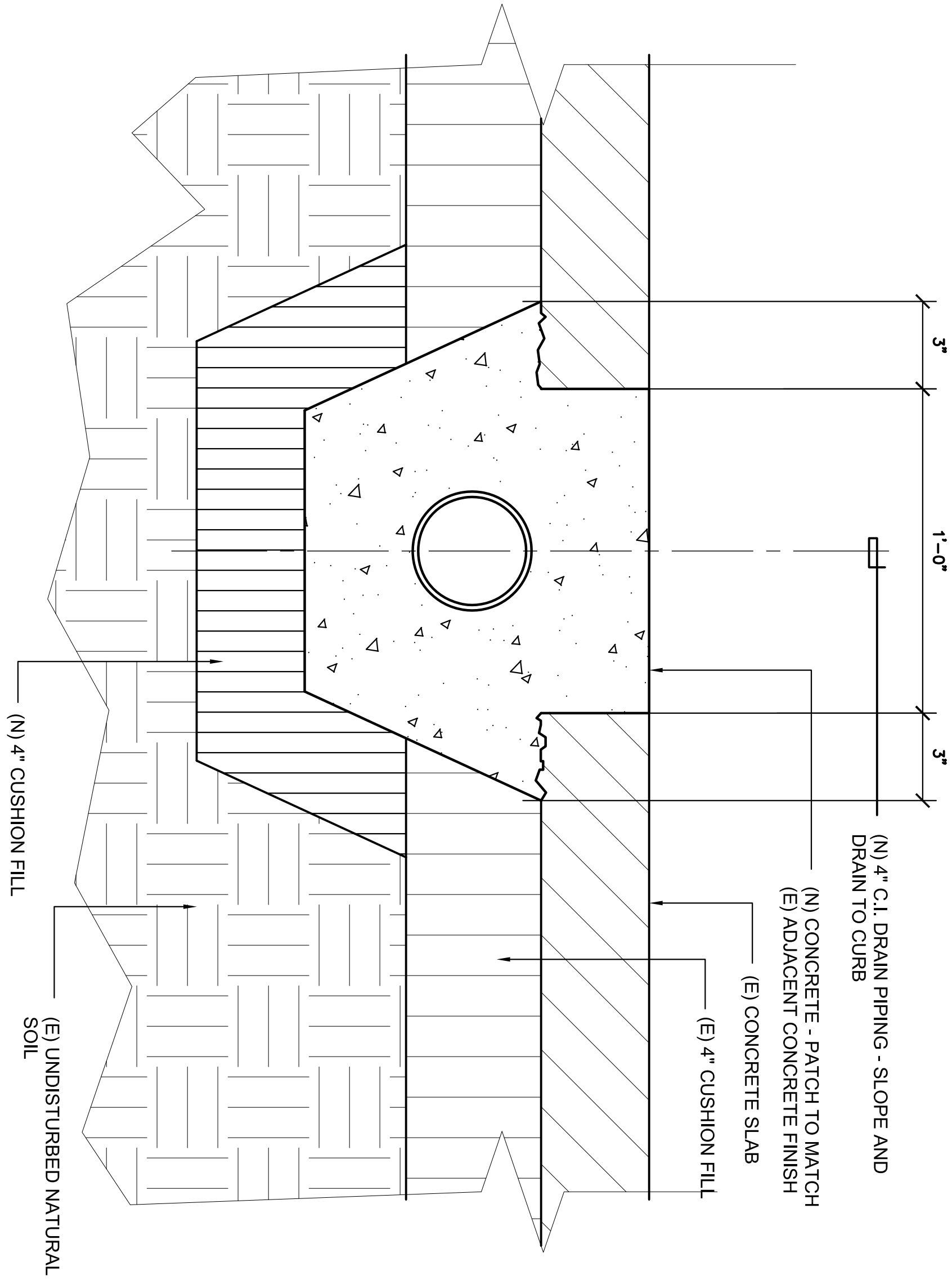
AX5.8

SHEET 31 OF 41

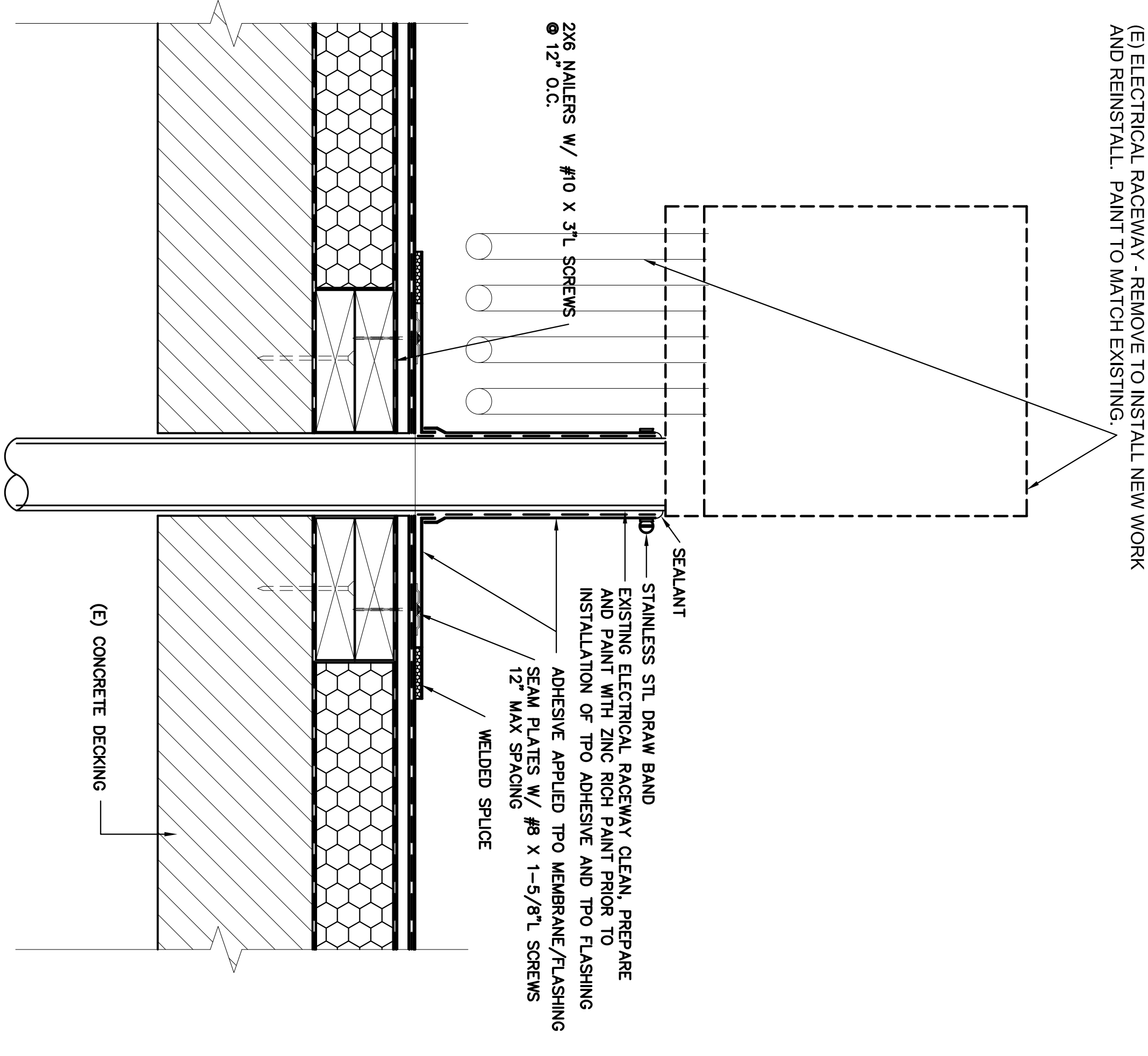


3" & 4" DOWN SPOUT

B
DETAIL @ DOWNSPOUT BRACKET
SCALE: 3" = 1'-0"

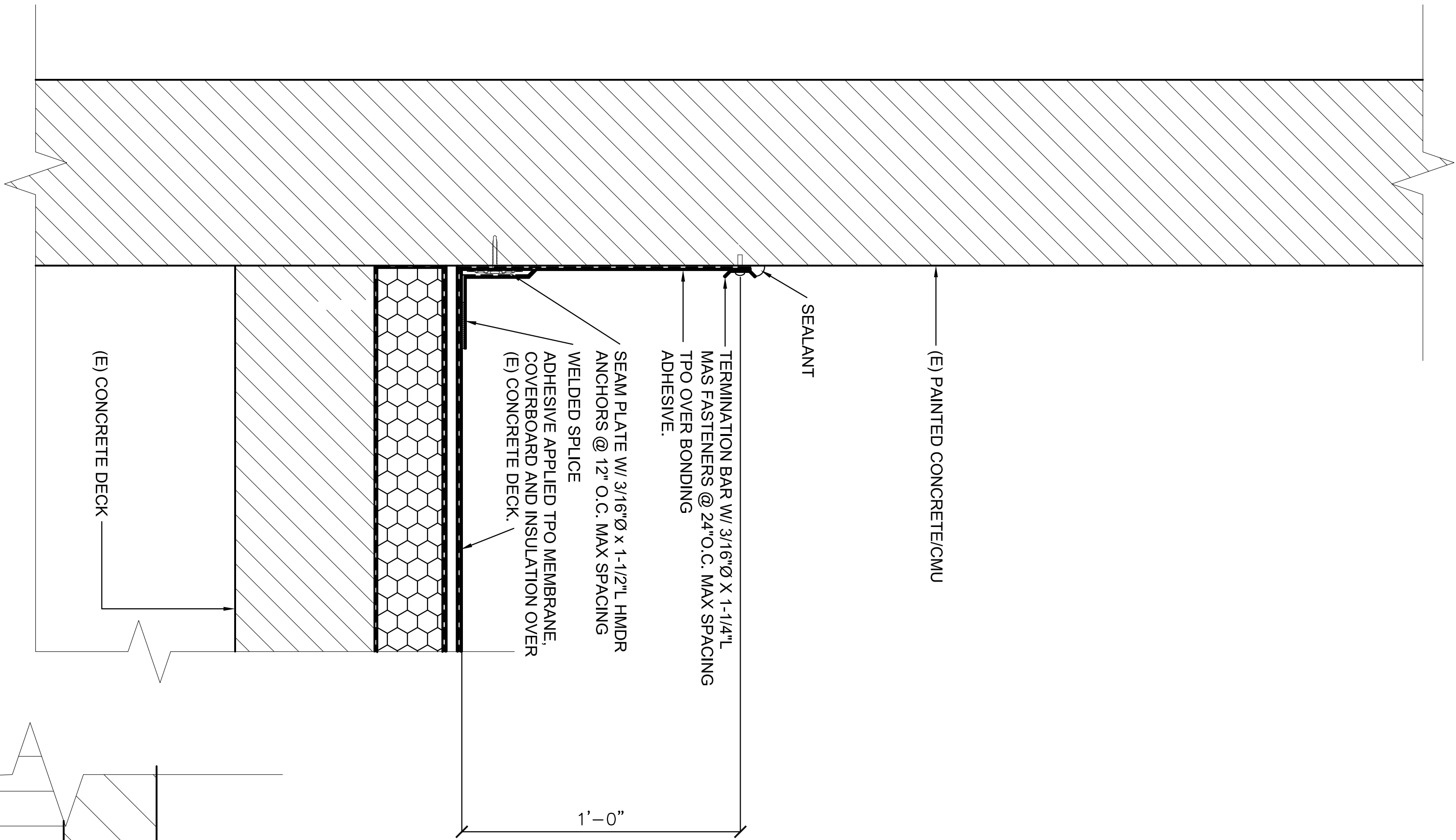


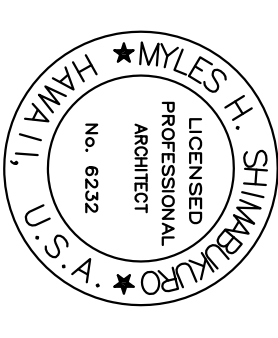
C
DETAIL @ SUBSURFACE DRAIN PIPING
SCALE: 3" = 1'-0"



D
DETAIL @ CONDUIT PENETRATION
SCALE: 3" = 1'-0"

A
DETAIL @ ROOF
SCALE: 3" = 1'-0"





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[Signature]

APPR	DATE	SYN	DESCRIPTION

DECEMBER 18, 2013

SUBMITTAL DATE

SUBMITTAL DATE

DES. DATE

REV. DATE

CHK. DATE

DESIGN AND PROJECT MANAGEMENT BRANCH

HAWAII ARMY NATIONAL GUARD

RE-ROOF TROOP COMMAND BLDGS #1 & #2
WAIAWA ARMORY

DETAILS

STATE OF HAWAII
FACILITY MANAGEMENT OFFICE

SCALE: AS NOTED

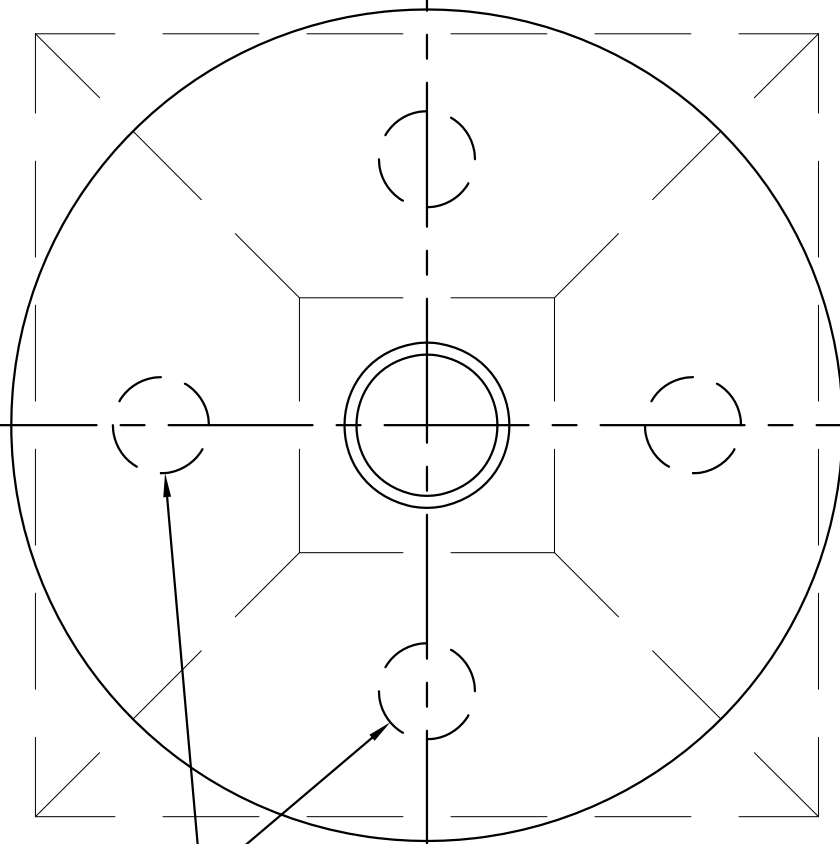
STATE JOB NO. CA-1219-D

FEDERAL PROJECT NO.

DRAWING NO.

AX5.9

SHEET 32 OF 41



SEAM PLATES W/ #9 X 1-5/8\"/>

SEALANT
TERMINATION BAR W/
1/4\"/>

AD

ADHESIVE APPLIED TPO MEMBRANE

SEAM PLATE W/ #10 X 1-5/8\"/>

@ 12\"/>

WELDED SPLICE

TPO MEMBRANE ADHESIVE APPLIED OVER
(E) CONCRETE DECK.

(N) EDGE FLASHING W/ #8 X 1 1/2\"/>

SCREWS @ 12\"/>

MAX SPACING

AM6

(N) GUTTER
SEE DETAIL

(N) 2X8 FASCIA W/ 5/8\"/>

X 3-1/2\"/>

EB @ 24\"/>

2X6 NAILED W/ #10 X 3\"/>

SCREWS @ 12\"/>

O.C.

INSULATION

WELDED WIRE STAINLESS STEEL MESH SCREEN

STAINLESS STL DRAW BAND

SEALANT

STAINLESS STL DRAW BAND
EXISTING PLUMBING VENT PIPE EXTEND AS REQUIRED
CLEAN, PREPARE, AND PAINT WITH ZINC RICH PAINT
PRIOR TO INSTALLATION OF TPO ADHESIVE AND
TPO FLASHING

ADHESIVE APPLIED TPO MEMBRANE/FLASHING

ADHESIVE APPLIED TPO MEMBRANE/FLASHING
SEAM PLATES W/ #8 X 1-5/8\"/>

SCREWS 12\"/>

MAX SPACING

WELDED SPLICE

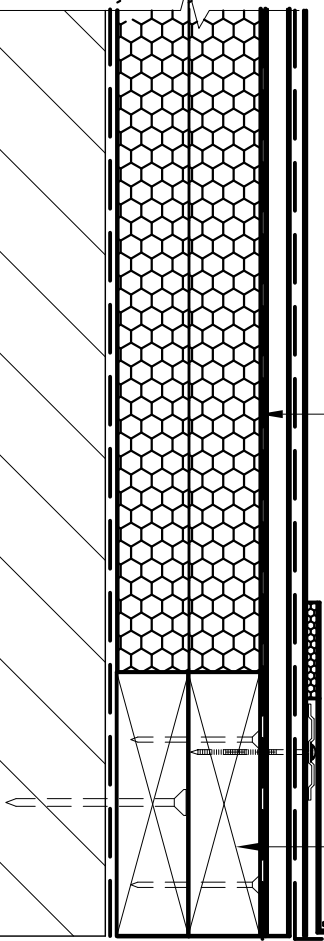
2\"/>

MIN.

8\"/>

MIN.

(E) CONCRETE DECKING



2X6 NAILED W/ #10 X 3\"/>

SCREWS @ 12\"/>

O.C.

INSULATION

2X6 NAILED W/ #10 X 3\"/>

SCREWS @ 12\"/>

O.C.

INSULATION

2X6 NAILED W/ #10 X 3\"/>

SCREWS @ 12\"/>

O.C.

INSULATION

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SCREWS @ 12\"/>

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SCREWS @ 12\"/>

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INSULATION

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SCREWS @ 12\"/>

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INSULATION

2X6 NAILED W/ #10 X 3\"/>

SCREWS @ 12\"/>

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SCREWS @ 12\"/>

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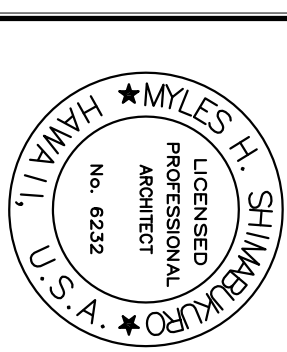
O.C.

INSULATION

2X6 NAILED W/ #10 X 3\"/>

SCREWS @ 12\"/>

O.C.



[Signature]

DECEMBER 18, 2013

SUBMITTAL DATE			
DES	MHS	DRW	MHS
		CHK	MHS

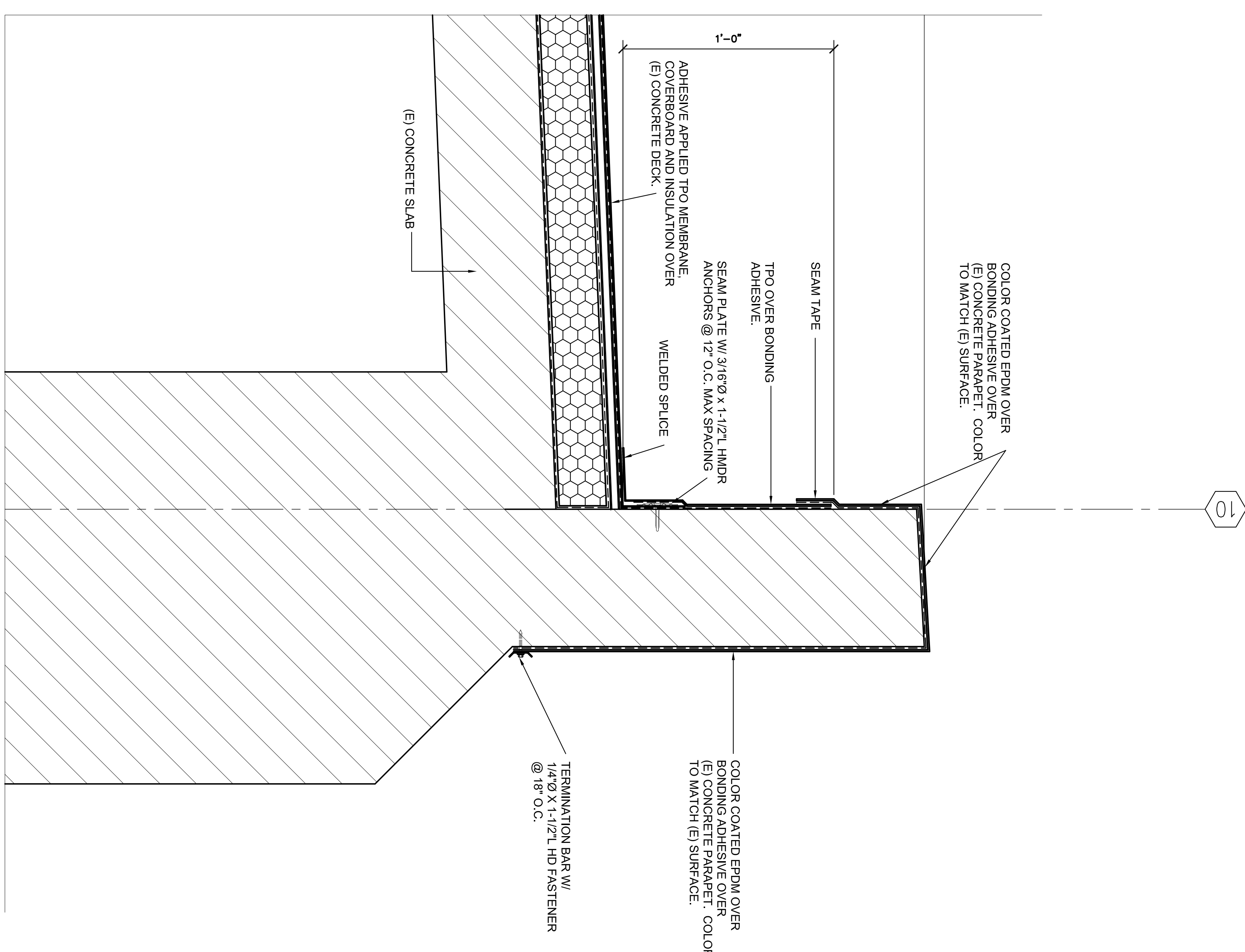
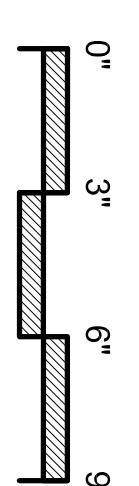
AS NOTED
STATE JOB NO.
CA-1219-D
FEDERAL PROJECT NO.

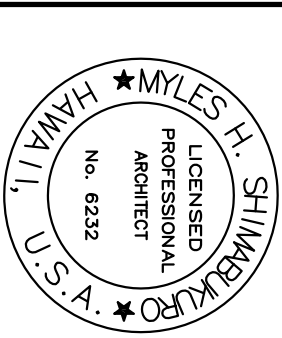
AX6.0

A
AX6.0

DETAIL @ PARAPET

SCALE: 3" = 1'-0"





[Signature]

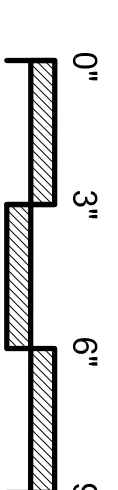
DECEMBER 18, 2013

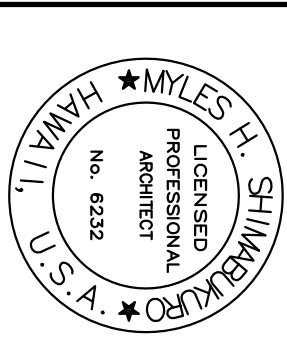
SUBMITTAL DATE			
DES	MHS	GRW	MHS
		CRK	MHS

STATE OF HAWAII	HAWAII ARMY NATIONAL GUARD
FACILITY MANAGEMENT OFFICE	
RE-ROOF TROOP COMMAND BLDGS #1 & #2 WAI'AWA ARMORY	
DETAILS	

AX6.1

SHEET 34 of 41





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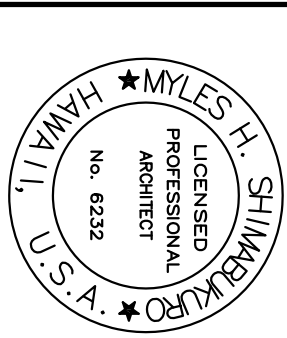
SUBMITTAL DATE			
DECEMBER 18, 2013			
DES	MHS	CRM	MHS

AS NOTED
STATE JOB NO.
CA-1219-D
FEDERAL PROJECT NO.

AX6.2

AX6.2





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DECEMBER 18, 2013

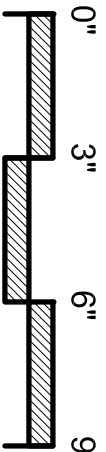
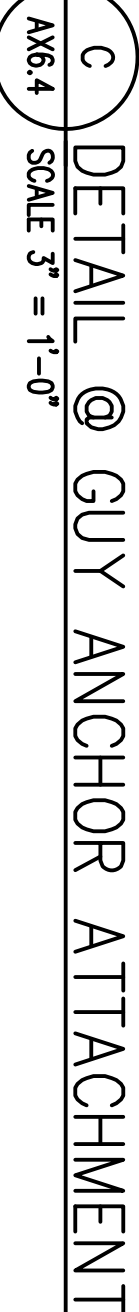
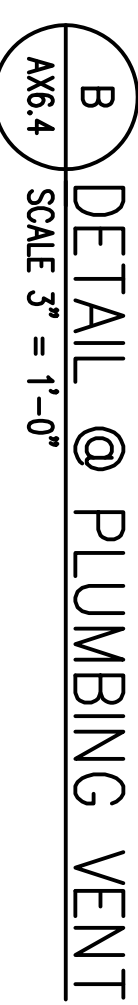
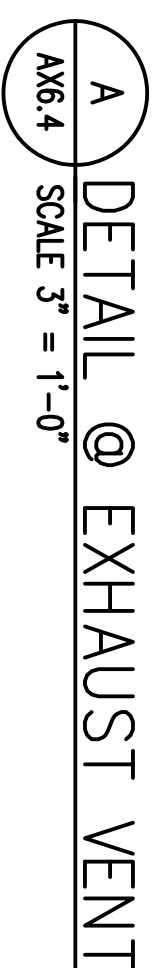
SUBMITTAL DATE

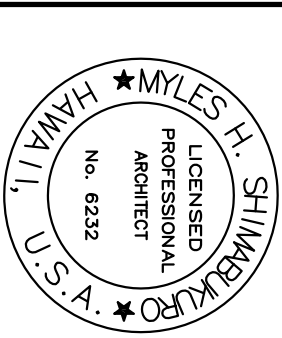
DES	MIHS	GRW	MIHS	CHK	MIHS
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STATE OF HAWAII	HAWAII ARMY NATIONAL GUARD
FACILITY MANAGEMENT OFFICE	DESIGN AND PROJECT
RE-ROOF TROOP COMMAND BLDGS #1 & #2 WAIAWA ARMORY	
DETAILS	

DRAWING 1

SHEET 37 of 41





Stacy Davis

S/N	DESCRIPTION	DATE	APPRO.

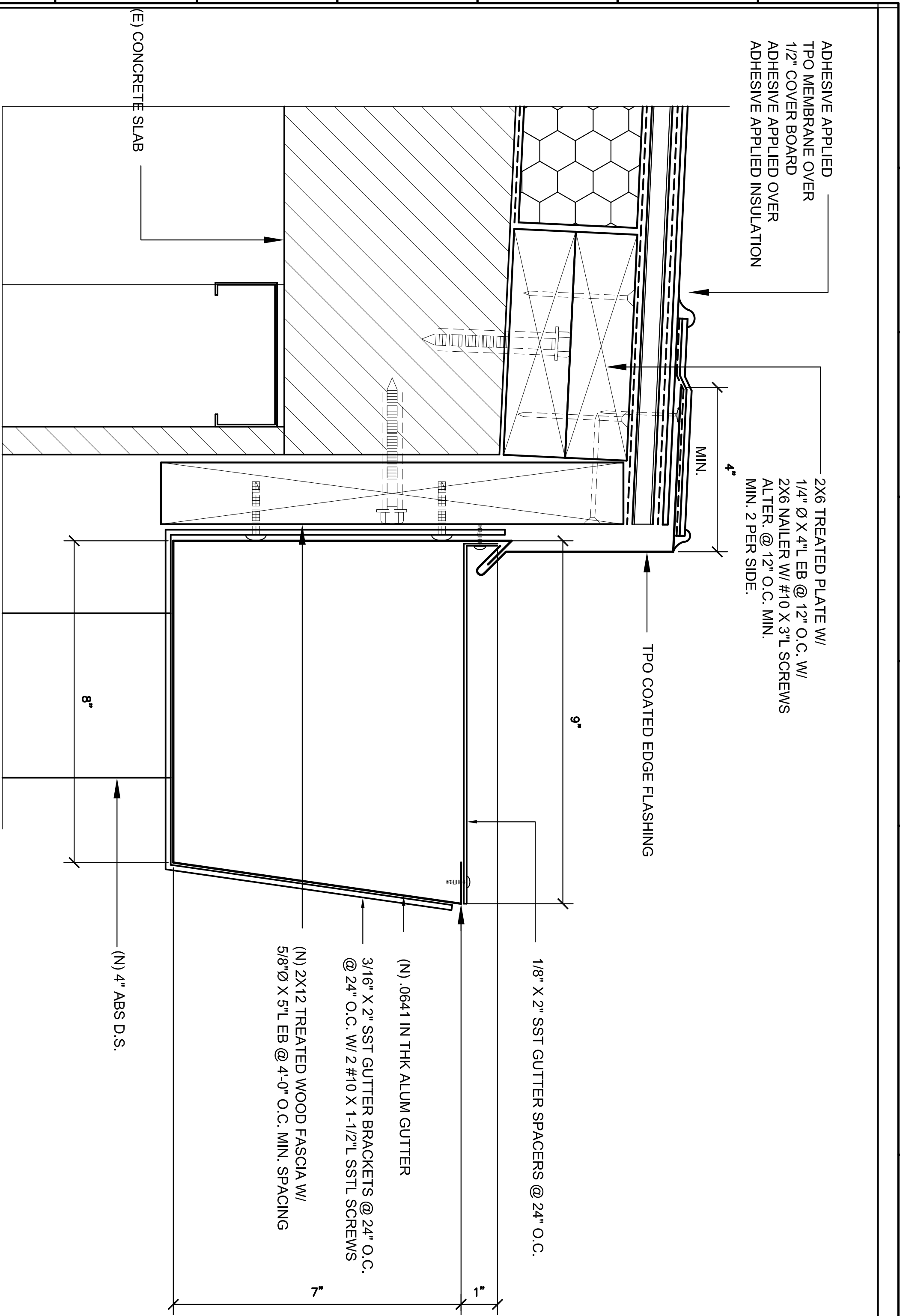
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DES	MHS	CRM	MHS	CHK	MHS
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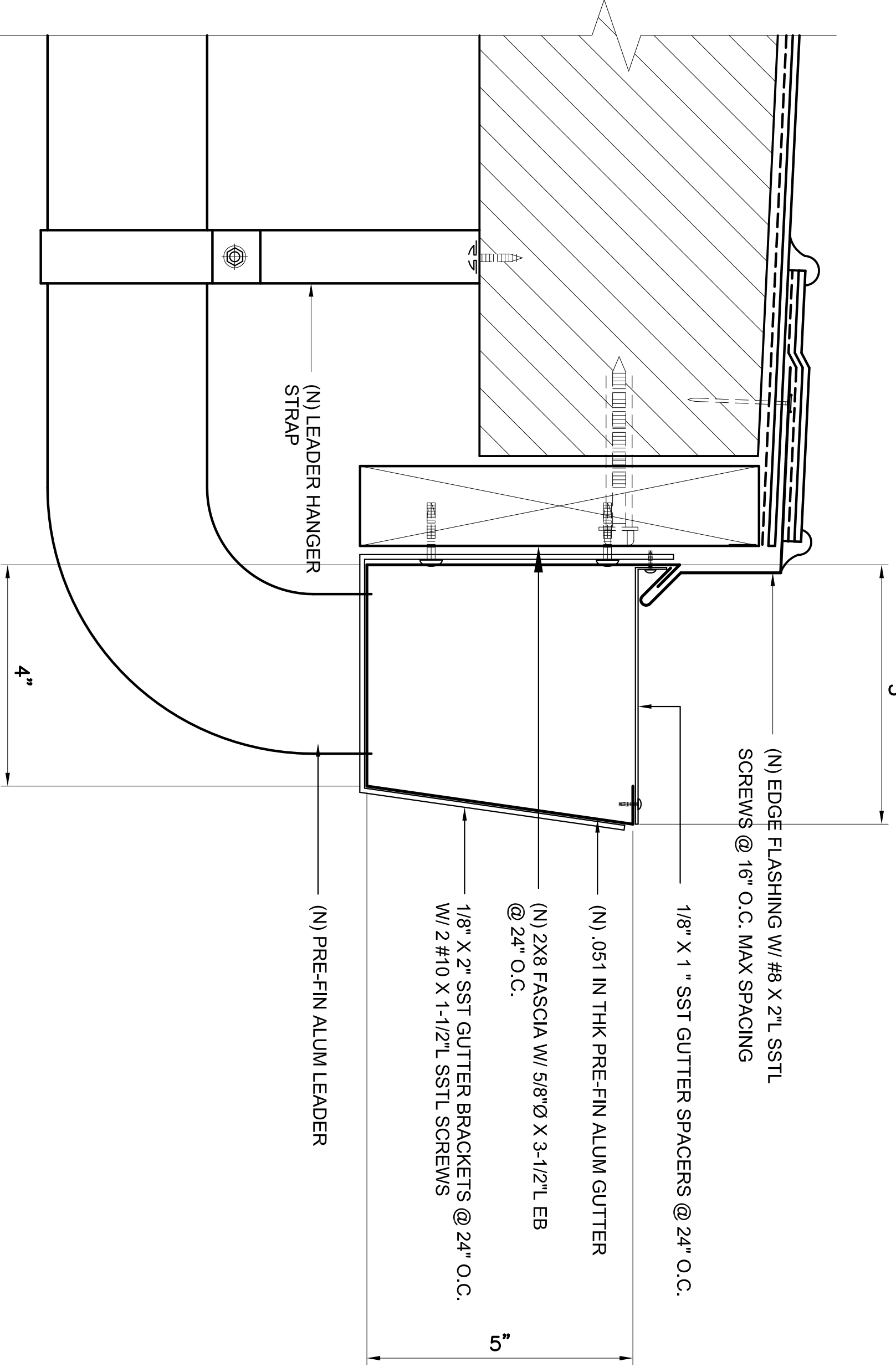
STATE OF HAWAII	HAWAII ARMY NATIONAL GUARD	DESIGN AND PROJECT
FACILITY MANAGEMENT OFFICE		
RE-ROOF TROOP COMMAND BLDGS #1 & #2 WAIAWA ARMORY		
DETAILS		

DRAWING NO.

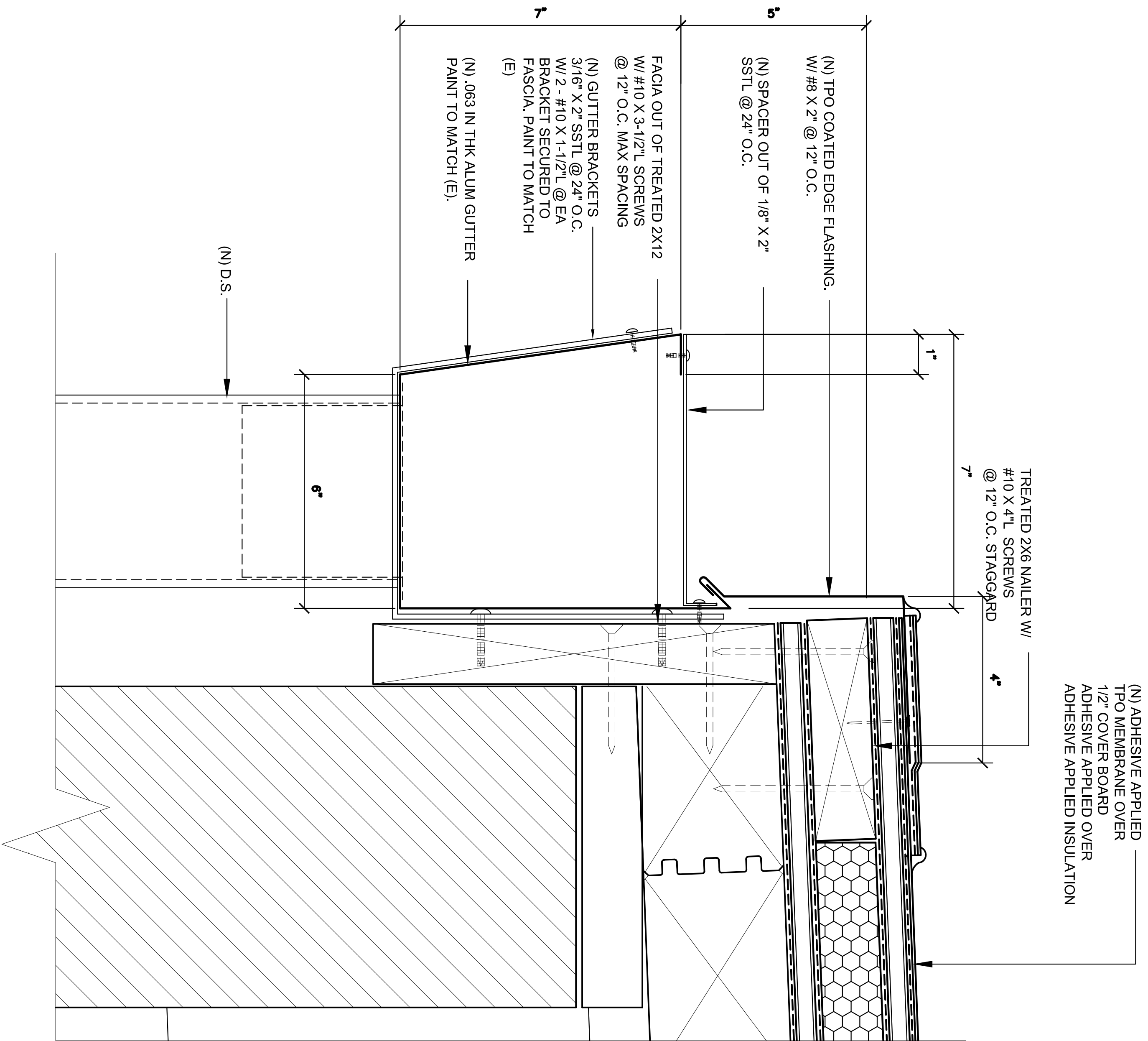
SHEET 38 of 41



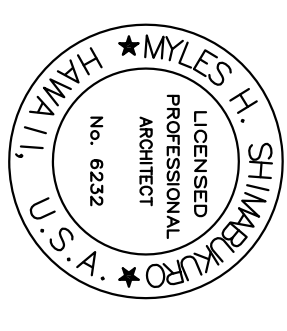
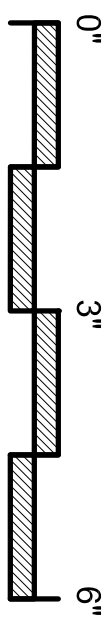
B DETAIL @ GUTTER
AX6.6 SCALE: 6" = 1'-0"



C DETAIL @ GUTTER
AX6.6 SCALE: 6" = 1'-0"



A DETAIL @ GUTTER
AX6.6 SCALE: 6" = 1'-0"



This work was prepared by me or under my supervision

[Signature]

SYN	DESCRIPTION	DATE	APPR

DECEMBER 18, 2013

ISS. MINS. REV. MINS. DES. MINS.

DESIGN AND PROJECT MANAGEMENT BRANCH

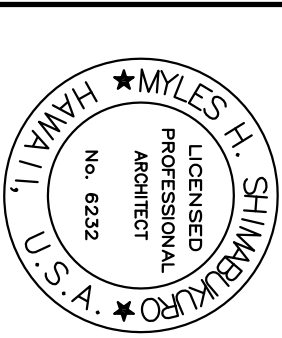
HAWAII ARMY NATIONAL GUARD

RE-ROOF TROOP COMMAND BLDGS #1 & #2
WAIAWA ARMORY

DETAILS

AX6.6

SHEET 39 41



Stacy Davis

SVM	DESCRIPTION	DATE	ADDD

DECEMBER 18, 2013

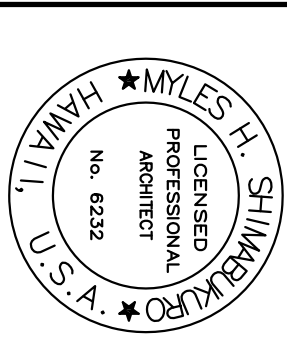
SUBMITTAL DATE					
DOS	MHS	GRW	MHS	CHK	MHS

STATE OF HAWAII	HAWAII ARMY NATIONAL GUARD	DEPARTMENT OF DEFENSE
FACILITY MANAGEMENT OFFICE		DESIGN AND PROJECT MANAGEMENT BRANCH
RE-ROOF TROOP COMMAND BLDGS #1 & #2 WAIKAWA ARMOY		
DETAILS		

AX6.7

AX6.7

SHEET 40 of 41



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DECEMBER 18, 2013

SCALE:	AS NOTED
STATE JOB NO.	CA-1219-D
FEDERAL PROJECT NO.	

AX6.8

A	DETAIL @ PARAPET
AX6.8	SCALE 3" = 1'-0"

