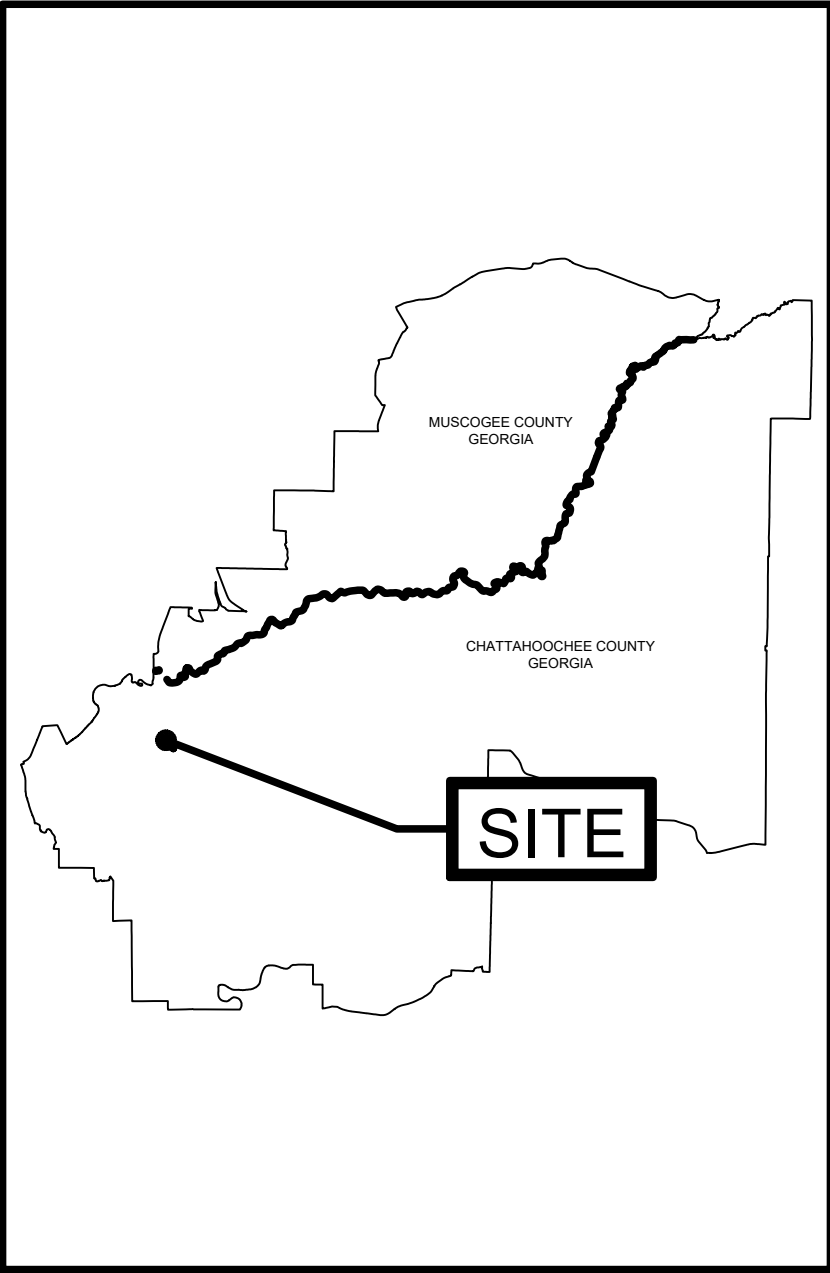
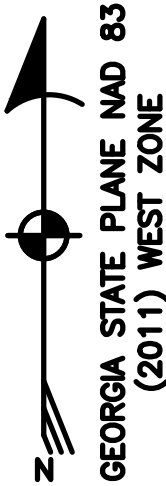


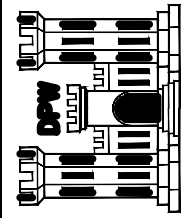
HOOK RANGE CTA FORT BENNING, GA



TOTAL LAND DISTURBANCE:
0.15 ACRES



INDEX TO DRAWINGS	
NO.	NAME
CIVIL	
C.1	TITLE SHEET
C.2	EXISTING
C.3	DEMO
C.5	SITE PLAN



**DIRECTORATE OF
PUBLIC WORKS**

6650 MELOY DR., BLDG. 6, 3RD FLOOR
FORT BENNING, GEORGIA 31905

HOOK RANGE CTA
FORT BENNING, GA.

GAR 100001

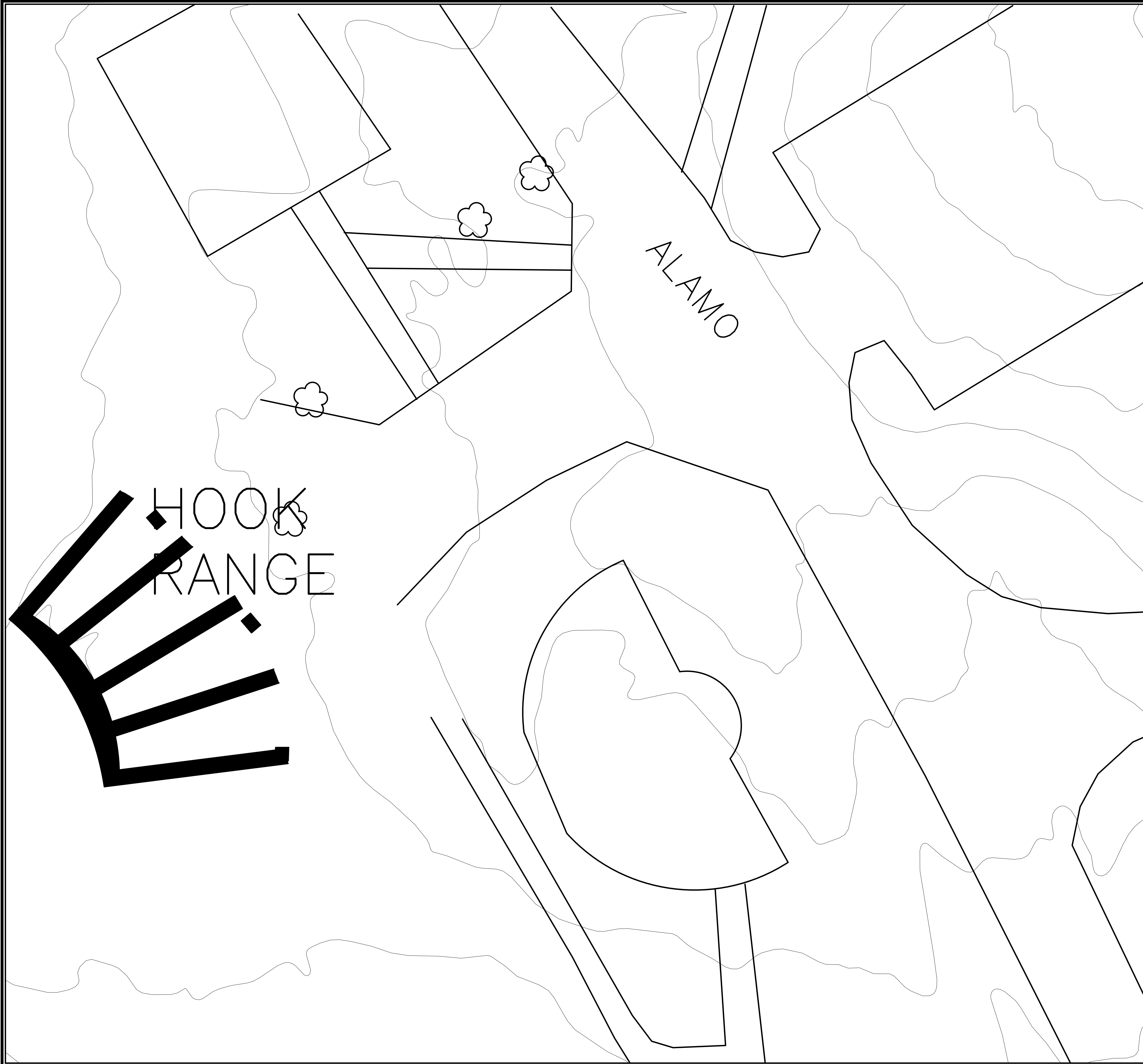
COVER SHEET

CAD FILE NO.:	440
APPROVED BY:	DCS
DESIGN BY:	JLM
DRAWN BY:	JLM
SURVEYED BY:	---
DWG DATE:	8-14-2020

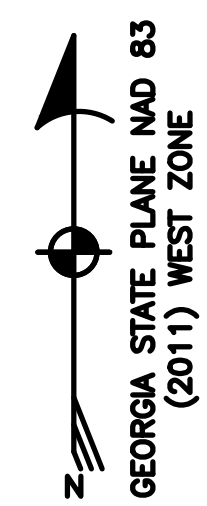
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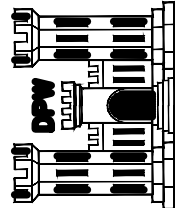
1 OF 4 SHTS

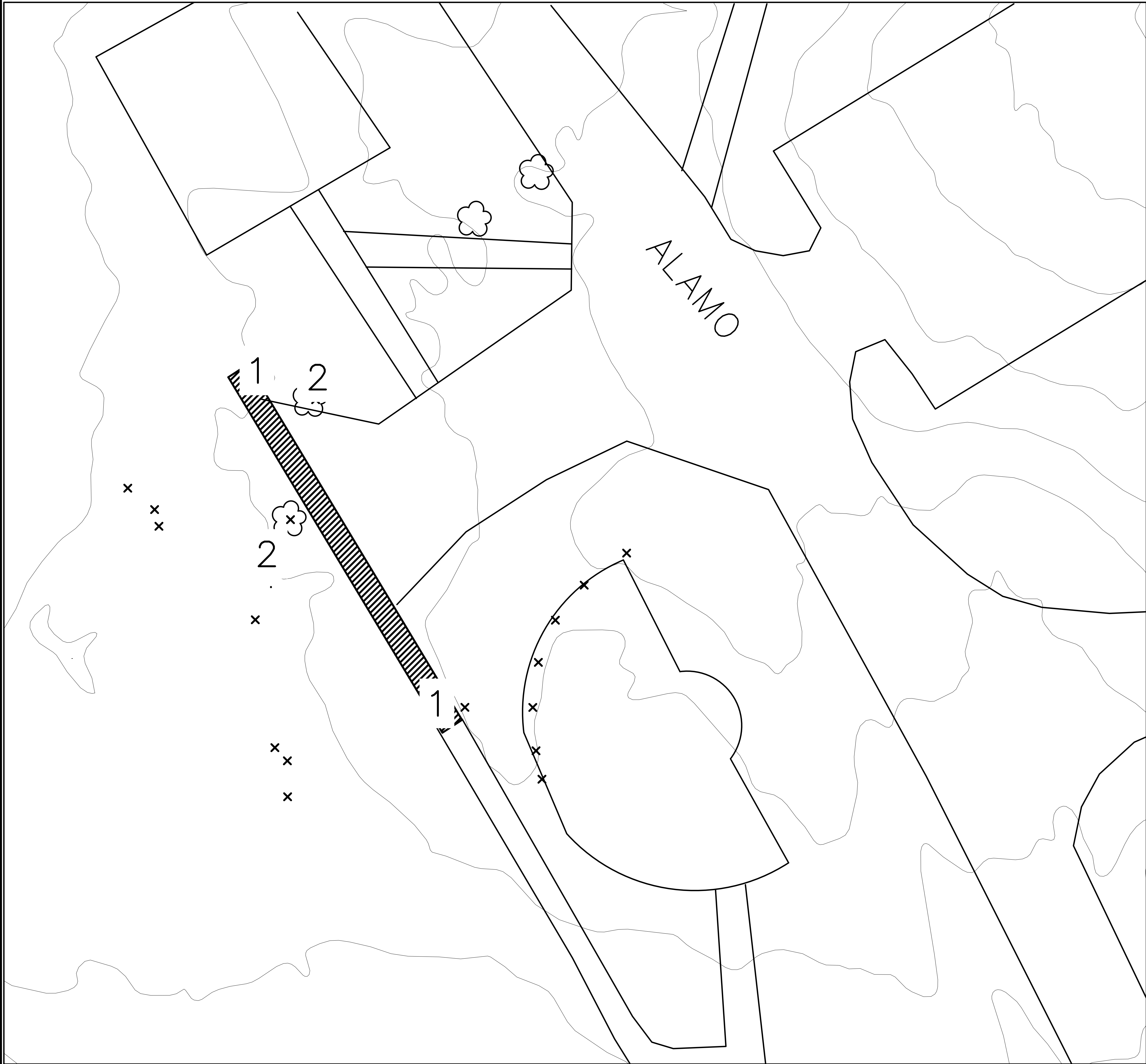
GSWCC#



- GENERAL NOTES:**
- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL CONSTRUCTION DEBRIS.
 - B. THE CONTRACTOR SHALL PREPARE AND SUBMIT A SOIL, EROSION AND POLLUTION CONTROL PLAN FOLLOWING GASWCC. EROSION CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. INCLUDE POST-CONSTRUCTION STORM WATER MANAGEMENT IN ACCORDANCE WITH PERMIT NO. GAG480000 (MS4).
 - C. CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES & SHALL MAINTAIN SAFE PASSAGEWAY FOR WORKERS & NON-WORKERS AS REQUIRED ADJACENT TO THE PROJECT SITE.
 - D. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND ELEVATIONS PRIOR TO BEGINNING NEW WORK, AN UPDATED SURVEY SHALL BE DONE.
 - E. ALL DIMENSIONS IN THIS DRAWING ARE IN FEET.

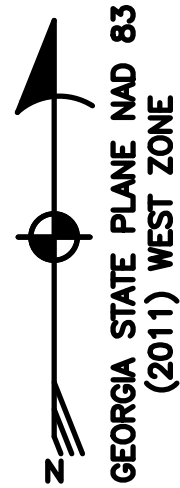


 DIRECTORATE OF PUBLIC WORKS 6650 MELOY DR., BLDG. 6, 3RD FLOOR FORT BENNING, GEORGIA 31905		GSWCC# _____	
HOOK RANGE CTA FORT BENNING, GA. GAR 100002		EXISTING CONDITIONS	
CAD FILE NO.: 440		APPROVED BY: DCS	
DESIGN BY: JLM		DRAWN BY: JLM	
SURVEYED BY: ---		DWG DATE: 8-14-2020	
SHEET C0002		2 OF 4 SHTS	



- GENERAL NOTES:**
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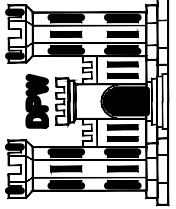
- NOTES:**
- 1. DEMO EXISTING SIDEWALK. APPROXIMATELY 43 SY
 - 2. DEMO TREES.



CAD FILE NO.:	440
APPROVED BY:	DCS
DESIGN BY:	JLM
DRAWN BY:	JLM
SURVEYED BY:	---
DWG DATE:	8-14-2020
SHEET	
C0003	
3	OF 4 SHTS

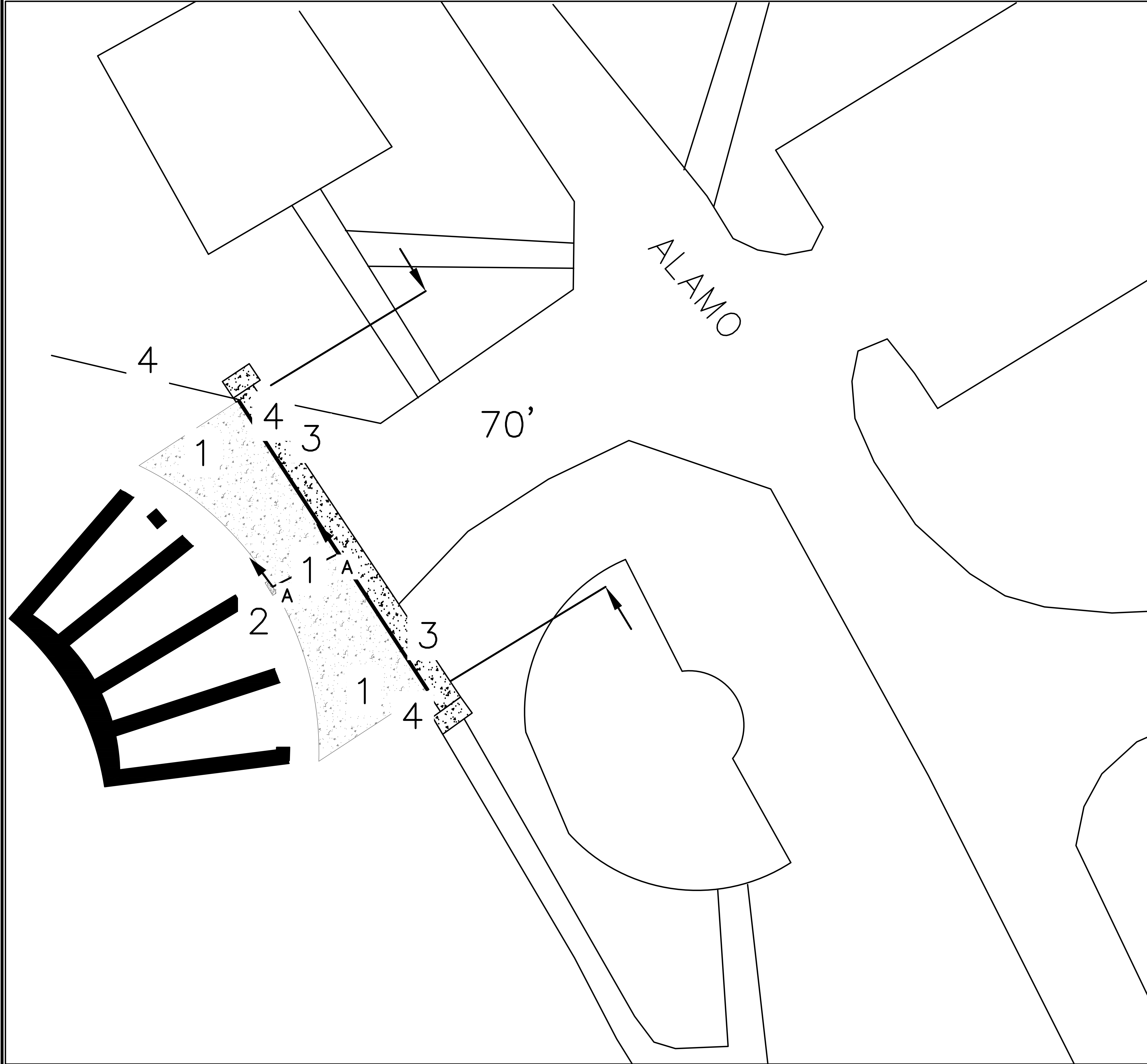
HOOK RANGE CTA
FORT BENNING, GA.

GAR 100002
DEMO PLAN

 **DIRECTORATE OF PUBLIC WORKS**
6650 MELOY DR., BLDG. 6, 3RD FLOOR
FORT BENNING, GEORGIA 31905

GSWCC#

CREATED: 8/14/2020 BY: JONATHAN L. MACK, CIV. PLOT DATE: 8/17/2020 LAST SAVED: 8/17/2020

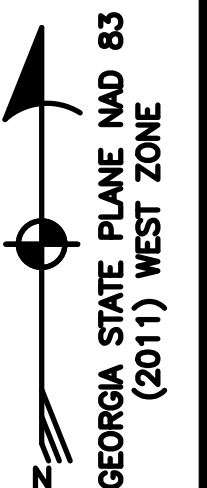
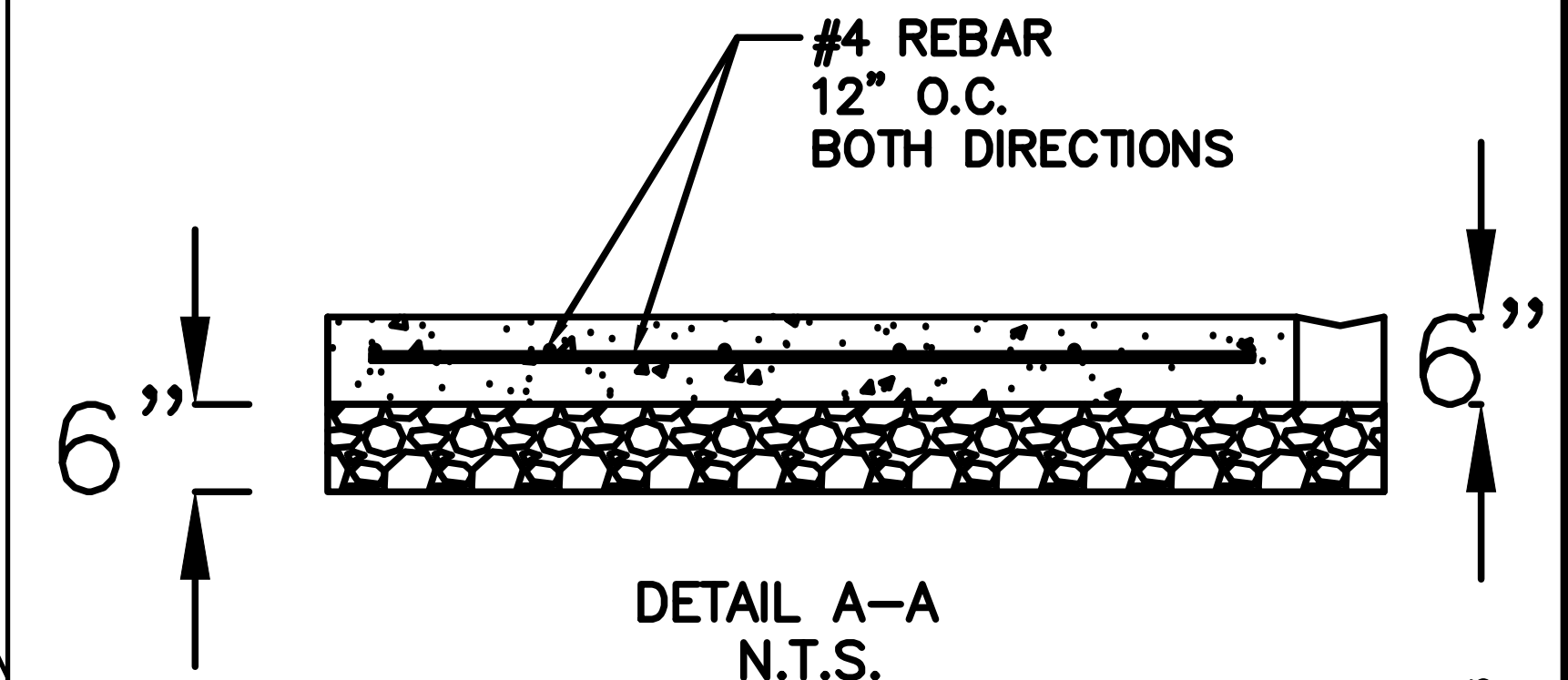


GENERAL NOTES:

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- ALL DIMENSIONS IN THIS DRAWING ARE IN FEET.

NOTES:

- NEW CONCRETE PAD TO HAVE 6" GAB COMPACTED 100% SUBGRADE. CONCRETE PAD TO BE 6" THICK WITH A #4 REBAR MAT. 12" ON CENTER SPACING FOR REBAR. SEE DETAIL A-A BELOW. SLAB IS TO HAVE 1% SLOPE. OUTSIDE THE SLAB MUST BE A MINIMUM OF 2% GRADED TO DRAIN. 4000 PSI. CONTRACTOR TO SUBMIT JOINT PLAN FOR REVIEW. APPROXIMATELY 140 SY
- INSTALL CONCRETE STEP.
- NEW SIDEWALK TO BE 4" THICK FIBER REINFORCED. 4000 PSI. CONTRACTOR TO SUBMIT JOINT PLAN FOR REVIEW. APPROXIMATELY 45 SY
- CONTRACTOR TO INSTALL GRATE DRAIN AND HDPE DRAIN PIPE. APPROXIMATELY 70 LFT GRATE DRAIN AND 40 LFT OF HDPE SEE DETAIL A-A. CONTRACTOR TO SIZE DRAINAGE.



HOOK RANGE CTA
FORT BENNING, GA.

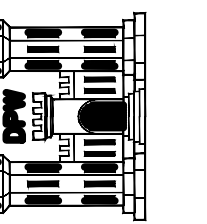
GAR 100002
SITE PLAN

CAD FILE NO.: 440
APPROVED BY: DCS
DESIGN BY: JLM
DRAWN BY: JLM
SURVEYED BY: ---
DWG DATE: 8-14-2020

SHEET

C0004

4 OF 4 SHTS



DIRECTORATE OF
PUBLIC WORKS

6650 MELOY DR., BLDG. 6, 3RD FLOOR
FORT BENNING, GEORGIA 31905

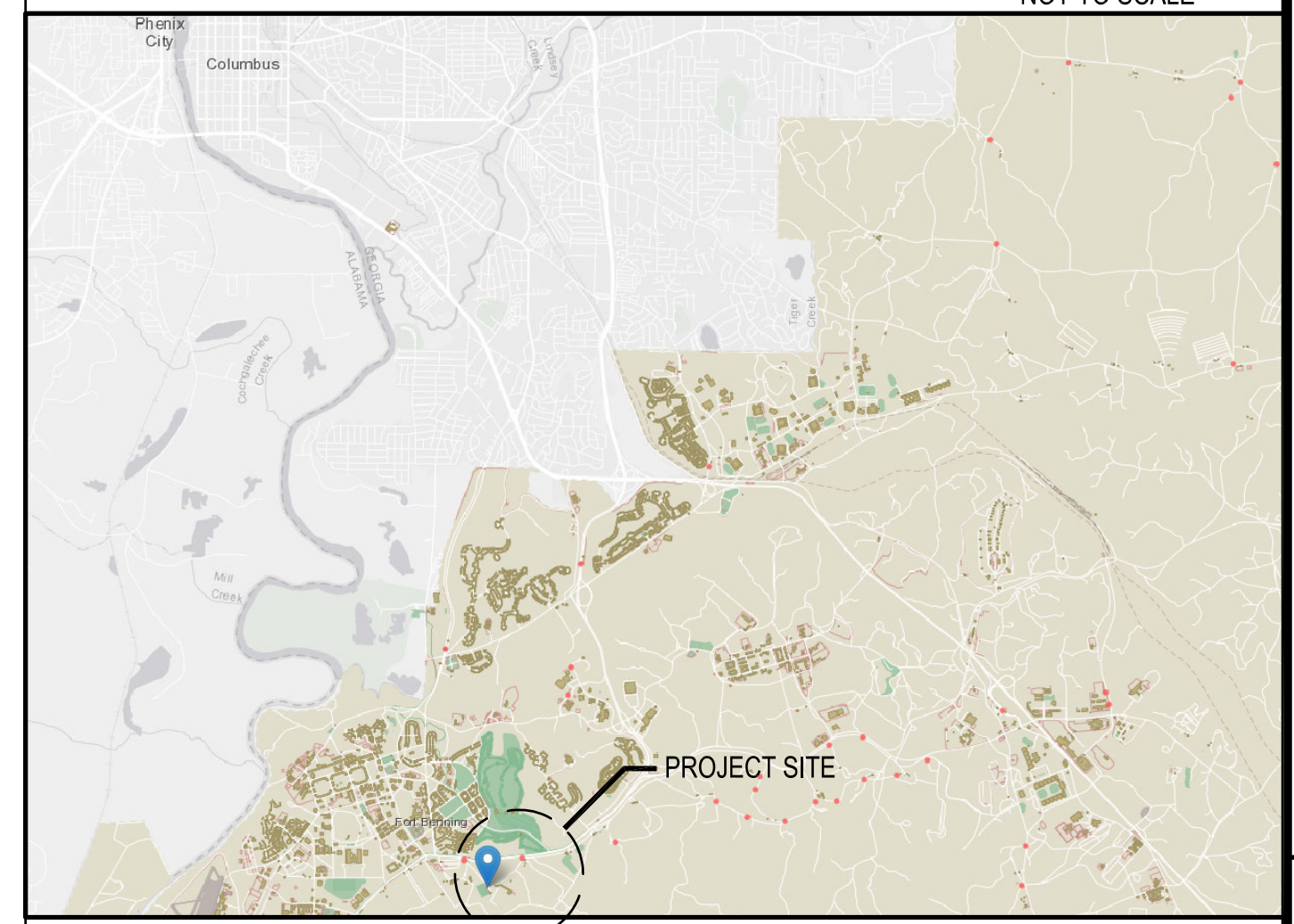
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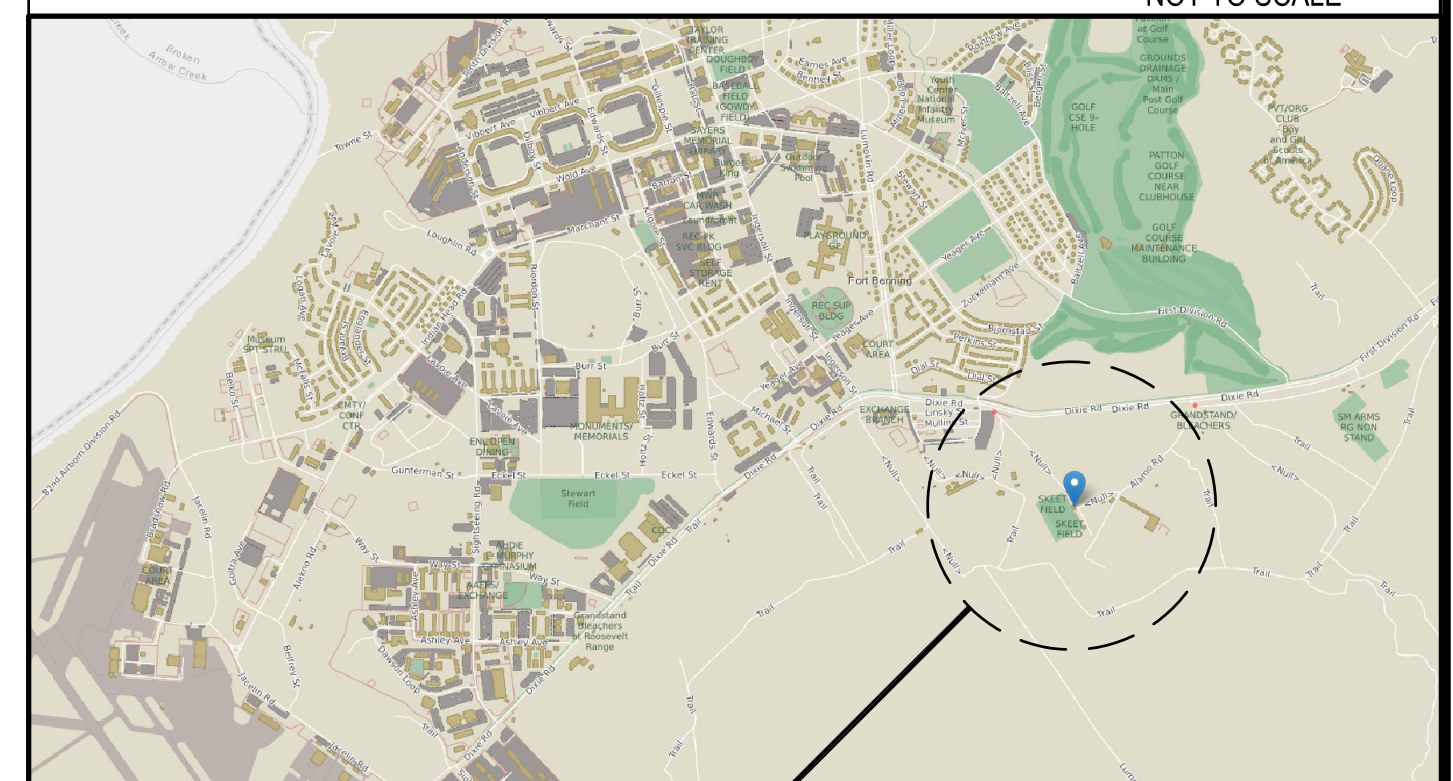
19 AUGUST 2020



NOT TO SCALE



NOT TO SCALE



PROJECT SITE -

DESCRIPTION OF WORK	APPLICABLE CODES	BUILDING DATA	SHEET INDEX	GENERAL NOTES:																																																														
THE PROJECT OBJECTIVE IS TO REPAIR BY REPLACING HOOK RANGE COVERED TRAINING AREA (CTA). EXISTING CTA WILL BE REMOVED BY THE END USER PRIOR TO WORK. CANOPY IS PRE-ENGINEERED METAL BUILDING SYSTEM DESIGNED BY STRUCTURAL ENGINEER. CONCRETE SLAB AND FOUNDATION TO BE DESIGNED BY STRUCTURAL ENGINEER. 1. GRADING PER CIVIL SCOPE. SLOPE TO DRAIN AWAY FROM THE BUILDING PERIMETER, TYP. 2. NEW SLAB ON GRADE CONCRETE FOUNDATION, TYP. CONTROL JOINTS AND SEAL FINISH, TYP. COORDINATE CIVIL SCOPE. SLOPE TO DRAIN, TYP. 3. NEW REINFORCED CONCRETE FOUNDATIONS AND STEEL COLUMN CONNECTIONS, TYP. 4. NEW CURVE CONCRETE STEP EDGE, TYP. COORDINATE CIVIL SCOPE AND EXISTING SHOOTING PADS AND CONCRETE RADIUS, TYP. 5. NEW STEEL COLUMN FRAMING, TYP. SPECIAL INSPECTIONS PER IBC. LIGHT BEIGE EXTERIOR PAINT FINISH TO MATCH EXISTING CTA, TYP. 6. NEW METAL GUTTER, DOWNSPOUT AND SPLASH BLOCKS, TYP. LIGHT BEIGE FINISH, TYP. 7. NEW STEEL ROOF FRAMING, TYP. SPECIAL INSPECTIONS PER IBC. DARK BROWN EXTERIOR PAINT FINISH TO MATCH EXISTING CTA, TYP. 8. NEW STANDING SEAM METAL ROOF, TYP. DARK BROWN FINISH TO MATCH EXISTING CTA, TYP. 9. NEW EXTERIOR CEILING FANS, TYP. COORDINATE ELECTRICAL SCOPE. 10. NEW EXTERIOR ALUMINUM BLEACHERS, TYP. 11. NEW OPTION FOR EXTERIOR CEILING SOUND ABSORPTION, TYP. 12. NEW PROVIDE OPTION FOR EXTERIOR ARTIFICIAL TURF ON NEW CONCRETE FLOOR, TYP. 13. NEW LIGHT FIXTURES, TYP. REFERENCE ELECTRICAL SCOPE.	UNIFIED FACILITIES CRITERIA (UFC) 1-200-01 DOD BUILDING CODE, 8 OCTOBER 2019 UFC 1-200-02 HIGH PERFORMANCE AND SUSTAINABLE BUILDING REQUIREMENTS, WITH CHANGE 4. UFC 1-300-02 UNIFIED FACILITIES GUIDE SPECIFICATIONS (UFGS) FORMAT STANDARD, WITH CHANGE 2. UFC 3-101-01, ARCHITECTURE, WITH CHANGE 5, 25 SEPTEMBER 2019 UFC 3-110-03 ROOFING, WITH CHANGE 4, OCTOBER 29 2019. CONJUNCTION WITH CURRENT EDITIONS OF THE NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA) ROOFING MANUALS (NRCA MANUAL). UFC 3-120-01 DESIGN: SIGN STANDARDS, WITH CHANGES 3. UFC 3-190-06 PROTECTIVE COATINGS AND PAINTS UFC 3-301-01, STRUCTURAL ENGINEERING, OCTOBER 1 2019 UFC 3-410-01 HEATING, VENTILATING, AND AIR CONDITIONING SYSTEMS, WITH CHANGE 6. UFC 3-420-01 PLUMBING SYSTEMS, WITH CHANGE 11. UFC 4-010-01 DOD MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS 2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL PLUMBING CODE 2018 INTERNATIONAL EXISTING BUILDING CODE 2018 NFPA 101 2020 NATIONAL ELECTRIC CODE AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE GUIDE ARCHITECTURAL BARRIERS ACT (ABA) INSTALLATION DESIGN GUIDE FORT BENNING ENVIRONMENTAL CONSIDERATIONS AS LISTED ON THE FB-144R COMPLY WITH ALL LOCAL, STATE, AND FEDERAL NPDES LAWS AND GUIDELINES. UNITED STATES ARMY CORPS OF ENGINEERS, SAFETY AND HEALTH REQUIREMENTS MANUAL EM 385-1. APPLICABLE EDITION AT AWARD. TM 111 GUIDANCE PROVIDED IN U.S. ARMY TRAINING AND DOCTRINE COMMAND (TRADOC) FORCE PROTECTION PROGRAM (FPP): UNIFIED FACILITIES CRITERIA (UFC) FOR BUILDINGS	OCCUPANCY TYPE: ASSEMBLY STORY: 1 STORY TOTAL BUILDING AREA: 2,380 SF CONSTRUCTION TYPE: TYPE II-B BUILDING HEIGHT: 16'-0" FEET SPRINKLER SYSTEM: NONE FIRE ALARM SYSTEM: NONE	<table><tr><td>NO.</td><td>NAME</td></tr><tr><td></td><td></td></tr><tr><td></td><td>CIVIL</td></tr><tr><td>C.1</td><td>COVER SHEET</td></tr><tr><td>C.2</td><td>EXISTING CONDITIONS</td></tr><tr><td>G3</td><td>DEMOLITION PLAN</td></tr><tr><td>G5</td><td>SITE PLAN</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td>ARCHITECTURAL GENERAL SHEETS</td></tr><tr><td>G1</td><td>TITLE SHEET</td></tr><tr><td>G2</td><td>GENERAL INFORMATION</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td>ARCHITECTURAL SHEETS</td></tr><tr><td>A1</td><td>FIRST FLOOR PLAN - NEW</td></tr><tr><td>A2</td><td>REFLECTED CEILING PLAN - NEW</td></tr><tr><td>A3</td><td>ROOF PLAN - NEW</td></tr><tr><td>A4</td><td>EXTERIOR ELEVATIONS - NEW</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td>ELECTRICAL SHEETS</td></tr><tr><td>E0</td><td>ELECTRICAL SITE PLAN</td></tr><tr><td>E1</td><td>ELECTRICAL FLOOR PLAN</td></tr><tr><td>E2</td><td>ELECTRICAL FLOOR PLAN - ELEVATIONS</td></tr><tr><td>E3</td><td>LIGHTNING PROTECTION PLAN AND DETAILS</td></tr><tr><td>E4</td><td>LIGHTNING PROTECTION PLAN - ELEVATIONS</td></tr><tr><td>E5</td><td>LIGHTNING PROTECTION TYPICAL DETAILS</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>	NO.	NAME				CIVIL	C.1	COVER SHEET	C.2	EXISTING CONDITIONS	G3	DEMOLITION PLAN	G5	SITE PLAN						ARCHITECTURAL GENERAL SHEETS	G1	TITLE SHEET	G2	GENERAL INFORMATION						ARCHITECTURAL SHEETS	A1	FIRST FLOOR PLAN - NEW	A2	REFLECTED CEILING PLAN - NEW	A3	ROOF PLAN - NEW	A4	EXTERIOR ELEVATIONS - NEW								ELECTRICAL SHEETS	E0	ELECTRICAL SITE PLAN	E1	ELECTRICAL FLOOR PLAN	E2	ELECTRICAL FLOOR PLAN - ELEVATIONS	E3	LIGHTNING PROTECTION PLAN AND DETAILS	E4	LIGHTNING PROTECTION PLAN - ELEVATIONS	E5	LIGHTNING PROTECTION TYPICAL DETAILS					1. COORDINATE DEMOLITION AND NEW SCOPES OF CIVIL, ELECTRICAL AND ARCHITECTURAL, TYP. 2. STEEL FRAME STRUCTURE DESIGNED BY STRUCTURAL ENGINEER COMPLY TO INTERNATIONAL BUILDING CODE. 3. PROVIDE DESIGN AND CONSTRUCTION PER SPECIAL INSPECTION PROVISIONS OF INTERNATIONAL BUILDING CODE. 4. PERIMETER GRADE OF BUILDING SLOPED TO DRAIN AWAY, TYP. 5. REMOVE EXISTING TREES. COORDINATE CIVIL AND ELECTRICAL SCOPES, TYP. 6. PROVIDE OPTIONS FOR EXTERIOR ARTIFICIAL TURF AND SOUND ATTENUATION CEILING. 7. EXISTING CTA DEMOLISHED AND REMOVED BY THE END USER. 8. PRE-ENGINEER STEEL STRUCTURE, SLAB ON GRADE AND FOUNDATION DESIGNED BY STRUCTURAL ENGINEER, TYP.
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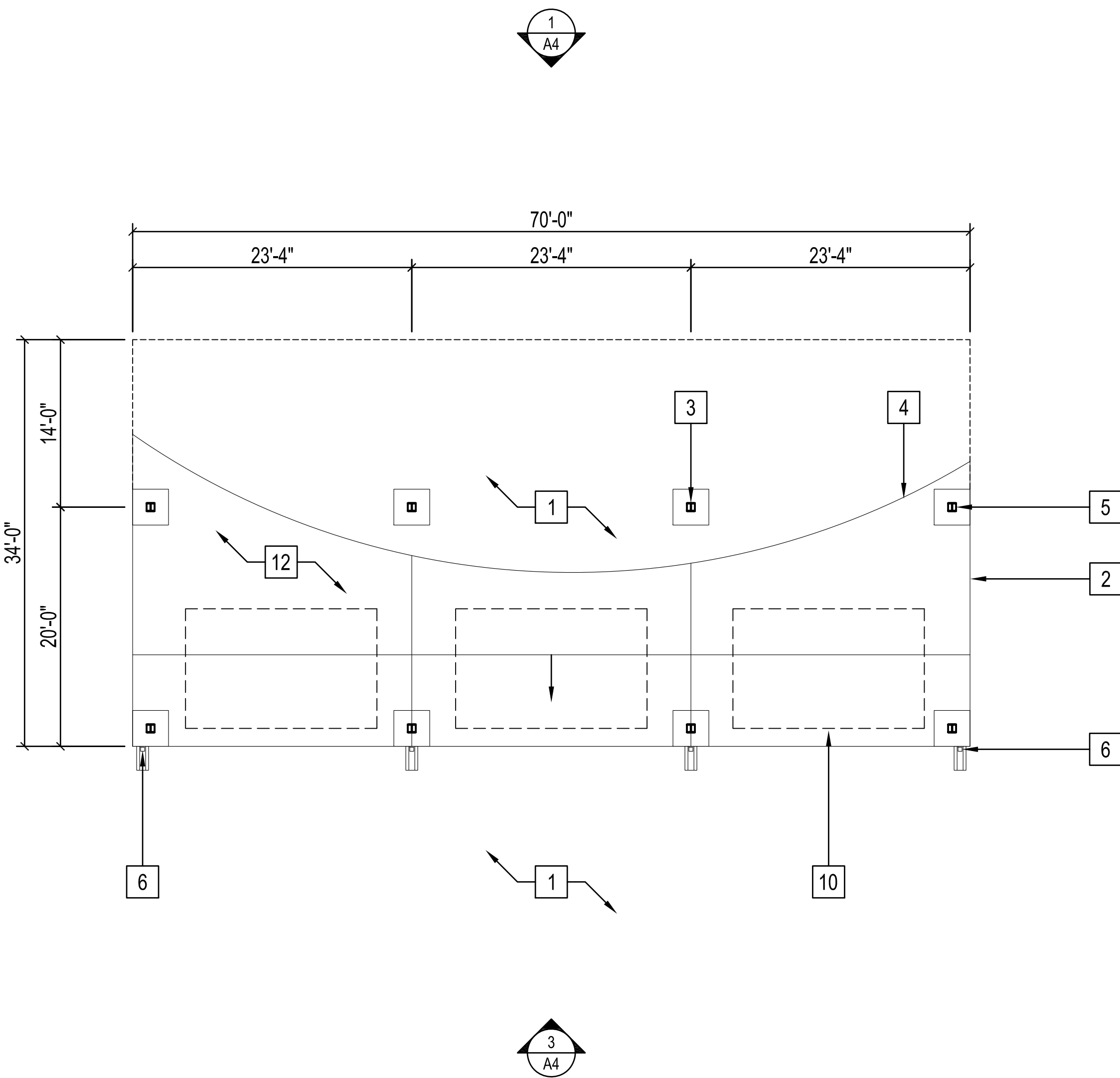
ARCHITECTURAL ABBREVIATIONS

AB	ANCHOR BOLT	ELEV	ELEVATION, ELEVATOR	LLH	LONG LEG HORIZONTAL	STD	STANDARD
ABV	ABOVE	EMER	EMERGENCY	LP	LOW POINT	STFT	STOREFRONT
ACM	ASBESTOS CONTAINING MATERIAL	ENCL	ENCLOSE, ENCLOSURE	LVR	LOUVER	STL	STEEL
ACOUS	ACOUSTIC	ENG	ENGINEERED	LW	LIGHTWEIGHT	STN	STAIN
ACP	ACOUSTICAL CEILING PANEL	EPDM	ETHYLENE PROPYLENE DIENE MONOMER			STOR	STORAGE
ACT	ACOUSTICAL CEILING TILE	EPS	EXPANDED POLYSTYRENE	M	METER	STRUCT	STRUCTURAL
ADH	ADHESIVE	EPX	EPOXY	MACH	MACHINE	SUB	SUBSTITUTE
ADJ	ADJUSTABLE	EQ	EQUAL	MANUF	MANUFACTURE, MANUFACTURER	SUSP	SUSPENDED
AFF	ABOVE FINISH FLOOR	EQUIP	EQUIPMENT	MAR	MARBLE	SYM	SYMMETRICAL, SYMMETRY
AGG	AGGREGATE	EST	ESTIMATE	MAINT	MAINTENANCE	SYN	SYNTHETIC
ALUM	ALUMINUM	EWC	ELECTRIC WATER COOLER	MAS	MASONRY	SYS	SYSTEM
ALT	ALTERNATE	EXH	EXHAUST EXIST EXISTING	MATL	MATERIAL	S/S	STAINLESS STEEL
ANCH	ANCHOR, ANCHORAGE	EXP	EXPANSION, EXPOSED	MAX	MAXIMUM		
ANOD	ANODIZED			MECH	MECHANIC, MECHANICAL	T	TREAD
AP	ACCESS PANEL	FAB	FABRICATE	MED	MEDIUM	T&B	TOP & BOTTOM
APPROX	APPROXIMATE	FAS	FASTEN, FASTENER	MEMB	MEMBRANE	TBD	TO BE DETERMINED
ARCH	ARCHITECT, ARCHITECTURAL	FD	FLOOR DRAIN, FIRE DAMPER	MIN	MINIMUM	TOC	TOP OF CURB
ASB	ASBESTOS	FDN	FOUNDATION	MIR	MIRROR	TG	TEMPERED GLASS
ASPH	ASPHALT	FE	FIRE EXTINGUISHER	MISC	MISCELLANEOUS	T&G	TONGUE & GROOVE
ATFP	ANTITERRORISM FORCE PROTECTION	FEC	FIRE EXTINGUISHER CABINET	MLD	MOLDING	THK	THICK, THICKNESS
AUTO	AUTOMATIC	FF	FINISH FLOOR	MO	MASONRY OPENING	THHD	THRESHOLD
ATTEN	ATTENUATION	FFE	FINISH FLOOR ELEVATION	MOV	MOVABLE	THRU	THROUGH
AVG	AVERAGE	FRGB	FIBER REINFORCED GYPSUM BOARD	MT	MOUNT	TOB	TOP OF BEARING
AWP	ACOUSTICAL WALL PANEL	FGL	FIBERGLASS	MTD	MOUNTED, MOUNTING	TOS	TOP OF STEEL
		FIN	FINISH, FINISHED	MTL	METAL	TOW	TOP OF WALL
BC	BOTTOM OF CURB	FIX	FIXTURE	MULL	MULLION	TRTD	TREATED
BD	BOARD	FLEX	FLEXIBLE	MWP	MEMBRANE WATERPROOFING	TYP	TYPICAL
BEJ	BUILDING EXPANSION JOINT	FLSHG	FLASHING				
BETW	BETWEEN	FLR	FLOOR	N	NORTH	UC	UNDERCUT
BIT	BITUMINOUS	FOB	FACE OF BRICK	NAT	NATURAL	UG	UNDERGROUND
BLDG	BUILDING	FOM	FACE OF MASONRY	NIC	NOT IN CONTRACT	UNF	UNFINISHED
BLK	BLOCK	FOS	FACE OF STUDS	NO	NUMBER	UON	UNLESS OTHERWISE NOTED
BLKG	BLOCKING	FP	FIREPROOF	NOM	NOMINAL		
BM	BEAM	FR	FRAME, FRAMED, FRAMING	NRC	NOISE REDUCTION COEFFICIENT	VAT	VINYL ASBESTOS TILE
BOT, B	BOTTOM	FRG	FIBER REINFORCED GYPSUM (GLASS)	NTS	NOT TO SCALE	VB	VINYL BASE
BRG	BEARING	FRP	FIBERGLASS REINFORCED PLASTIC			VCT	VINYL COMPOSITION TILE
BRK	BRICK	FRT	FIRE RETARDANT TREATED	OA	OVERALL	VEN	VENEER
BSMT	BASEMENT	FS	FLOOR SINK	OBS	OBSCURE	VERT	VERTICAL
BTWN	BETWEEN	FT	FOOT, FEET	OC	ON CENTER	VEST	VESTIBULE
BUR	BUILT-UP ROOFING	FTG	FOOTING	OD	OUTSIDE DIAMETER	VR	VAPOR RETARDER
		FUR	FURRED, FURRING	OH	OVERHEAD	VT	VINYL TILE
CAB	CABINET	FURN	FURNITURE	OPNG	OPENING	VTR	VENT THRU ROOF
CAP	CAPACITY	FVC	FIRE VALVE CABINET	OPP	OPPOSITE		
CER	CERAMIC					W	WEST, WIDE, WIDTH
CF	CUBIC FOOT	GA	GAUGE	PAR	PARALLEL PARTIAL PART	WC	WATER CLOSET
CFLSHG	COUNTER FLASHING	GALV	GALVANIZED	PC	PRECAST	WD	WOOD
CG	CORNER GUARD	GB	GRAB BAR	PED	PEDESTAL	WIN	WINDOW
CHAM	CHAMFER	GC	GENERAL CONTRACT, CONTRACTOR	PEMB	PRE ENGINEERED METAL BUILDING	WP	WATERPROOFING
CI	CAST IRON	GCMU	GLAZED CONCRETE MASONRY UNIT	PERF	PERFORATE(D)	WPT	WORKING POINT
CIP	CAST IN PLACE CONCRETE	GEN	GENERAL	PERM	PERIMETER	WT	WEIGHT
CIR	CIRCLE	GCRC	GLASS FIBER REINFORCED CONCRETE	PIP	POURED IN PLACE	WWF	WELDED WIRE FABRIC
CJ	CONTROL JOINT	GL	GLASS, GLAZING	PL	PLATE	WWM	WELDED WIRE MESH
CK	CAULK, CAULKING	GRD	GRADE	PLAM	PLASTIC LAMINATE	W	WITH
CLG	CEILING	GSU	GLAZED STRUCTURAL UNIT	PLAS	PLASTER	W/O	WITHOUT
CLO	CLOSET	GWT	GLAZED WALL TILE	PLUMB	PLUMBING		
CLR	CLEAR	GWB	GYPSUM WALLBOARD	PLYWD	PLYWOOD	&	AND
CMP	CORRUGATED METAL PIPE	GYP	GYPSUM	PNL	PANEL	∠	ANGLE
CMU	CONCRETE MASONRY UNIT			POLY	POLYURETHANE	⊗	AT
CNTR	COUNTER	H	HIGH	PPT	PRESERVATIVE PRESSURE TREATED	Ⓢ	CENTER LINE
COL	COLUMN	HC	HOLLOW CORE	PR	PAIR	XX°	DEGREES
COMM	COMMUNICATION	HDBD	HARDBOARD	PREFAB	PREFABRICATED	⌀	DIAMETER
COMP	COMPOSITE	HDR	HEADER	PREFIN	PRE-FINISHED	#	NUMBER

ARCHITECTURAL SYMBOLS			
PLAN NORTH PLAN AND TRUE NORTH ARROW	ROOM NAME ROOM A101 ROOM IDENTIFIER ROOM NUMBER	ELEVATION HEIGHT IDENTIFIER ELEVATION DATUM	
TOILET ACCESSORIES IDENTIFIER IDENTIFIER COLUMN IDENTIFICATION	PARTITION TYPE INDICATOR PARTITION TYPE IDENTIFIER	DETAIL NUMBER A1 TITLE SCALE: 1/8" = 1'-0" R101 SHEET WHERE TAKEN	
INDICATES DIRECTION BUILDING SECTION NUMBER BUILDING SECTION SHEET WHERE SECTION IS DRAWN	KEYNOTE INDICATOR KEYNOTE IDENTIFIER	CURTAINWALL TYPE INDICATOR CURTAINWALL TYPE IDENTIFIER	
INDICATES DIRECTION WALL SECTION NUMBER WALL SECTION INDICATES DIRECTION SHEET WHERE SECTION IS DRAWN	DOOR SUFFIX (IF REQUIRED) DOOR NUMBER DOOR IDENTIFIER BUILDING DIVISION	TITLE SCALE: 1/8" = 1'-0"	
ELEVATION IDENTIFIER SHEET WHERE ELEVATION IS DRAWN EXTERIOR, INTERIOR ELEVATION	WINDOW TYPE INDICATOR WINDOW TYPE IDENTIFIER	MATCH LINE	
DETAIL IDENTIFIER CALL OUT SHEET WHERE SECTION IS DRAWN	STOREFRONT TYPE INDICATOR STOREFRONT TYPE IDENTIFIER		
DEMOLITION WALL EXISTING WALL TO REMAIN NEW WALL	CONTINUOUS ONE HOUR UL ASSEMBLY CONTINUOUS TWO HOUR UL ASSEMBLY		
MATERIAL LEGEND			
WOOD - ROUGH CONCRETE MASONRY UNIT CAST-IN-PLACE CONCRETE STEEL EARTH / COMPACT FILL BATT INSULATION POROUS FILL / GRAVEL RIGID INSULATION	ALUMINUM FINISHED WOOD WOOD BLOCKING BRICK GLASS ACOUSTICAL TILE PLYWOOD CERAMIC TILE - LARGE SCALE	SAND / MORTAR / PLASTER GRAVEL GYPSUM BOARD RESILIENT FLOORING / PLASTIC LAMIN	
GENERAL INFORMATION			
DIRECTORATE OF PUBLIC WORKS FORT BENNING, GEORGIA			
COVERED TRAINING AREA HOOK RANGE FORT BENNING, GEORGIA, 31905			
DRAWN BY KS		DRAWING NUMBER 44117-G2	
APPROVED BY DCS		SCALE AS NOTED	
L&E NO.		DATE 19 AUG. 2020	

GENERAL NOTES:

1. COORDINATE DEMOLITION AND NEW SCOPES OF CIVIL, ELECTRICAL AND ARCHITECTURAL, TYP.
2. STEEL FRAME STRUCTURE DESIGNED BY STRUCTURAL ENGINEER COMPLY TO INTERNATIONAL BUILDING CODE.
3. PROVIDE DESIGN AND CONSTRUCTION PER SPECIAL INSPECTION PROVISIONS OF INTERNATIONAL BUILDING CODE.
4. PERIMETER GRADE OF BUILDING SLOPED TO DRAIN AWAY, TYP.
5. REMOVE EXISTING TREES. COORDINATE CIVIL AND ELECTRICAL SCOPES, TYP.
6. PROVIDE OPTIONS FOR EXTERIOR ARTIFICIAL TURF AND SOUND ATTENUATION CEILING.
7. EXISTING CTA DEMOLISHED AND REMOVED BY THE END USER.
8. PRE-ENGINEER STRUCTURAL FRAMES, SLAB ON GRADE AND FOUNDATIONS DESIGNED BY STRUCTURAL ENGINEER, TYP.



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



KEY NOTES

- 1 GRADING PER CIVIL SCOPE. SLOPE TO DRAIN AWAY FROM THE BUILDING PERIMETER, TYP.
2 NEW SLAB ON GRADE CONCRETE FOUNDATION, TYP. CONTROL JOINTS AND SEAL FINISH, TYP. COORDINATE CIVIL SCOPE, SLOPE TO DRAIN, TYP.
3 NEW REINFORCED CONCRETE FOUNDATIONS AND STEEL COLUMN CONNECTIONS, TYP.
4 NEW CURVE CONCRETE STEP EDGE, TYP. COORDINATE CIVIL SCOPE AND EXISTING SHOOTING PADS AND CONCRETE RADIUS, TYP.
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8 NEW STANDING SEAM METAL ROOF, TYP. DARK BROWN FINISH TO MATCH EXISTING CTA, TYP.
9 NEW EXTERIOR CEILING FANS, TYP. COORDINATE ELECTRICAL SCOPE.
10 NEW EXTERIOR ALUMINUM BLEACHERS, TYP. REFERENCE ELECTRICAL LIGHTNING PROTECTION SCOPE.

KEY NOTES

- 11 NEW OPTION FOR EXTERIOR CEILING SOUND ABSORPTION, TYP.
12 NEW PROVIDE OPTION FOR EXTERIOR ARTIFICIAL TURF ON NEW CONCRETE FLOOR, TYP.
13 NEW LIGHT FIXTURES, TYP. REFERENCE ELECTRICAL SCOPE.
14 VAPOR BARRIER ON GRAVEL, TYP.
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GRAPHIC SCALE

IF DRAWING IS A REPRODUCTION USE THE GRAPHIC SCALE FOR ALL MEASUREMENTS

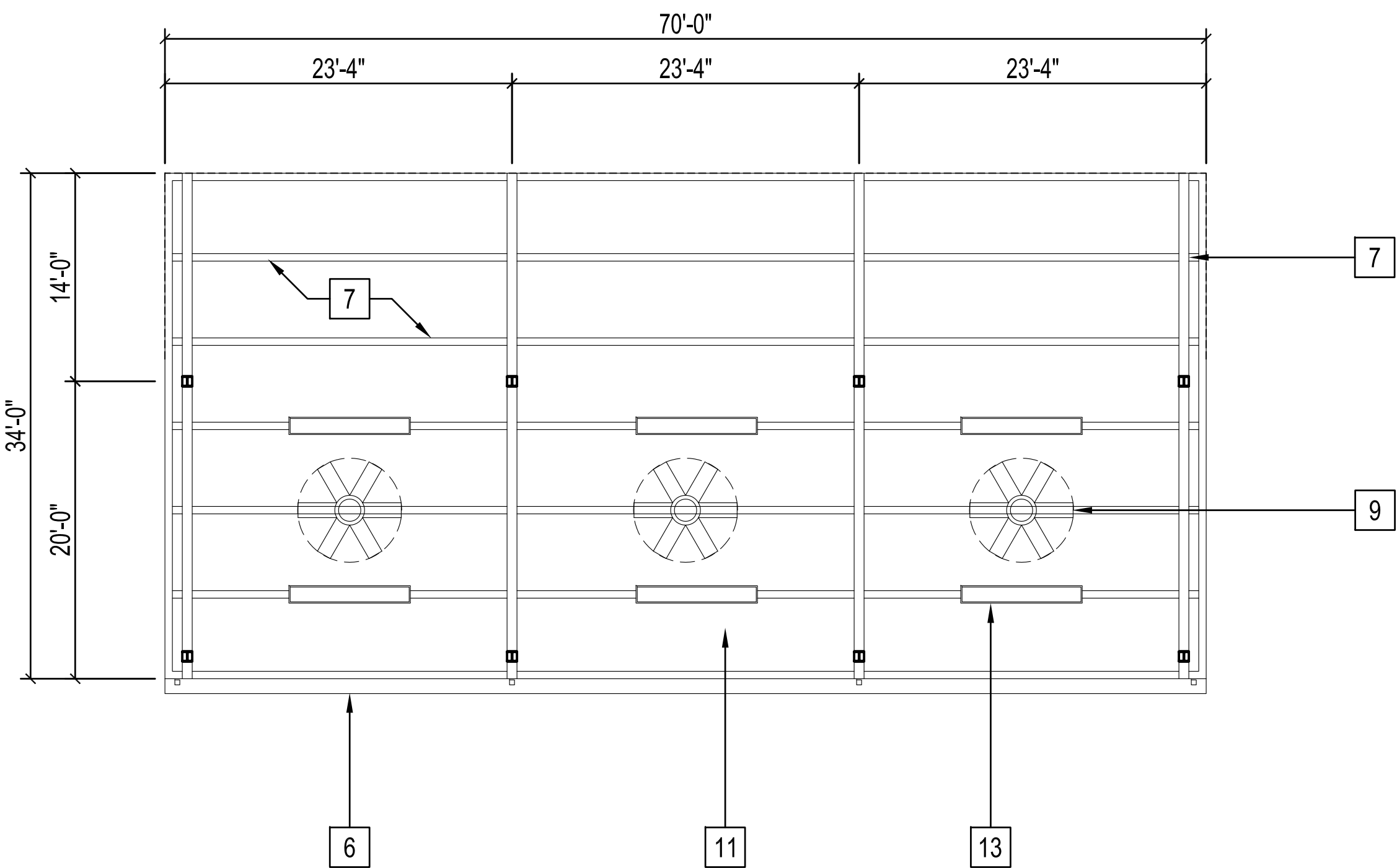


FIRST FLOOR PLAN - NEW

				BY			
				DATE			
				REVISIONS			
				DRAWN BY			
				KS			
				APPROVED BY			
				DCS			
				DRAWING NUMBER			
				44117-A1			
				SCALE			
				AS NOTED			
				DATE			
				19 AUG. 2020			
				L&E NO.			

GENERAL NOTES:

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2. STEEL FRAME STRUCTURE DESIGNED BY STRUCTURAL ENGINEER COMPLY TO INTERNATIONAL BUILDING CODE.
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1 REFLECTED CEILING PLAN - NEW

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



KEY NOTES

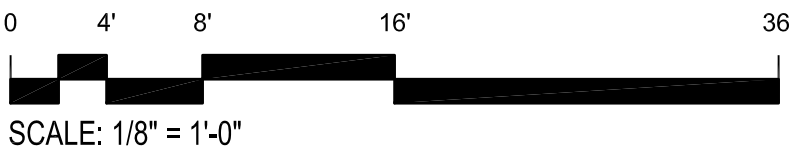
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KEY NOTES

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- 14 VAPOR BARRIER ON GRAVEL, TYP.
- 15 ---
- 16 ---
- 17 ---
- 18 ---
- 19 ---
- 20 ---

GRAPHIC SCALE

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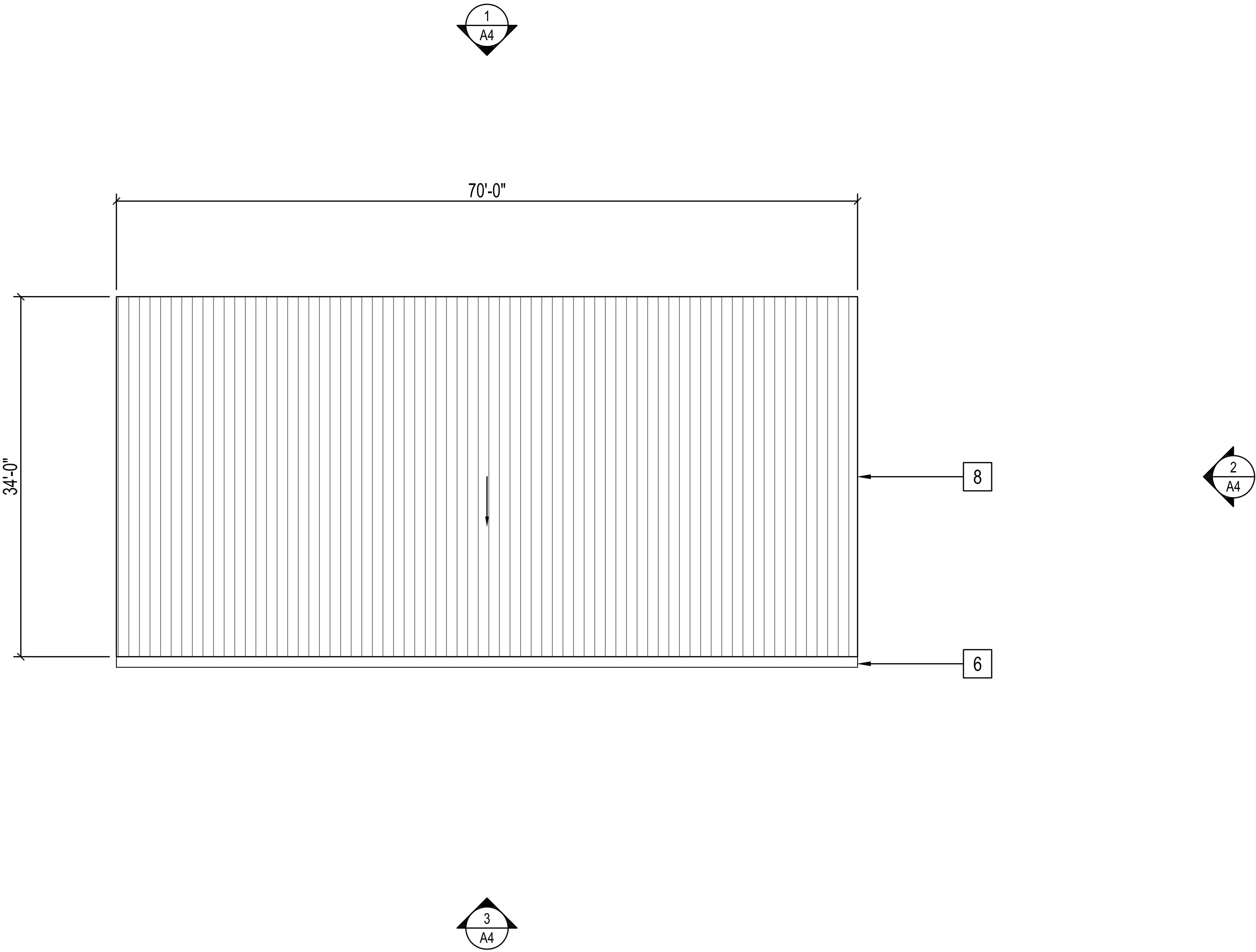
SCALE: 1/8" = 1'-0"

REFLECTED CEILING PLAN - NEW

				BY			
				DATE			
				REVISIONS			
				DRAWN BY			
				KS			
				APPROVED BY			
				DCS			
				DRAWING NUMBER			
				44117-A2			
				SCALE			
				AS NOTED			
				DATE			
				19 AUG. 2020			
				L&E NO.			

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



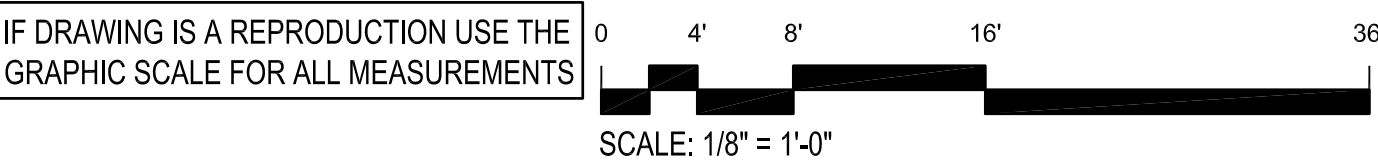
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- 13 NEW LIGHT FIXTURES, TYP. REFERENCE ELECTRICAL SCOPE.
- 14 VAPOR BARRIER ON GRAVEL, TYP.
- 15 ---
- 16 ---
- 17 ---
- 18 ---
- 19 ---
- 20 ---

GRAPHIC SCALE



ROOF PLAN - NEW

				BY			
				DATE			
				REVISIONS			
				SYMBOL			
				DRAWN BY			
				KS			
				APPROVED BY			
				DCS			
				DRAWING NUMBER			
				44117-A3			
				SCALE			
				AS NOTED			
				DATE			
				19 AUG. 2020			
				L&E NO.			



11	NEW OPTION FOR EXTERIOR CEILING SOUND ABSORPTION, TYP.
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20	---

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0 4' 8' 16' 36'

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

SCALE	
AS NOTED	
DATE	
19 AUG. 2020	



PHOTOGRAPH A



PHOTOGRAPH B

1

ELECTRICAL SITE PLAN

E0

SCALE: 20' = 1'-0"

SPECIAL ELECTRICAL KEYED NOTES:

- 1

FIELD VERIFY THE LOCATION AND EQUIPMENT FEEDING FROM THE EXISTING 100A, SINGLE-PHASE POWER CIRCUIT IN THE 200A PANELBOARD. COORDINATE WITH THE USER TO DETERMINE THE POSSIBILITY TO SHUT DOWN THE POWER SERVICE TO THAT LOCATION AND EQUIPMENT. PROVIDE EMERGENCY BACK-UP POWER SERVICE TO THAT LOCATION AND EQUIPMENT IF NECESSARY.
- 2

COMPLETELY REMOVE EXISTING MOUNTING RACK, 200A PANELBOARD AND METER BASE FROM THIS LOCATION. IT INCLUDES REMOVING POWER SERVICE CABLES, WIRING, CONDUITS, JUNCTION BOXES, MOUNTING RACK, PANELBOARD, AND POWER METER BASE. EXISTING 100A, SINGLE PHASE, POWER CIRCUITS SHALL BE REMAIN IN PLACE AND SHALL BE RECONNECTED BACK TO NEW 200A PANELBOARD MOUNTED ON THE CTA COLUMN. SEE PHOTOGRAPH A.
- 3

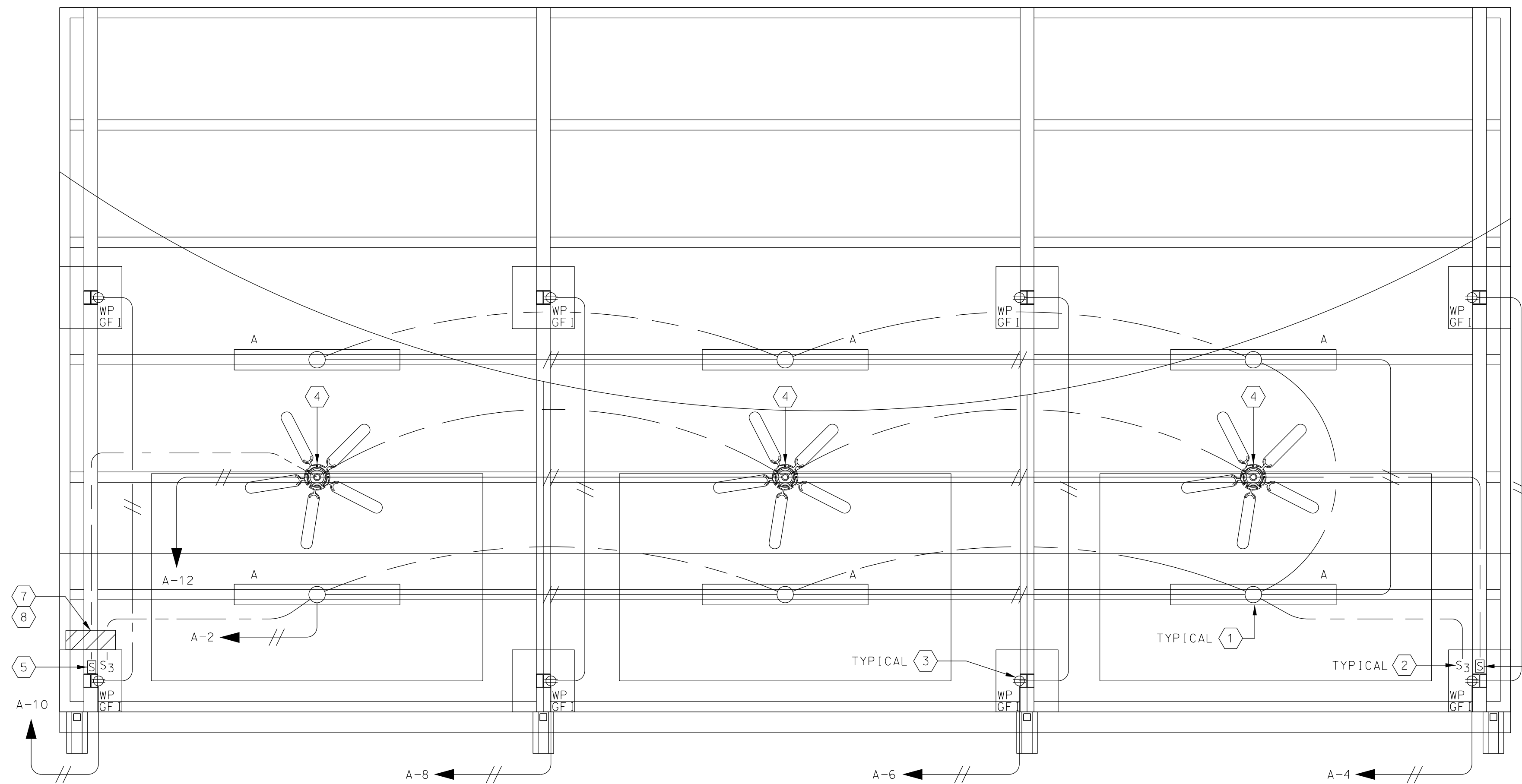
RELOCATE EXISTING ELECTRIC HAND-HOLE AS INDICATED ON THE DRAWING BY FLINT ELECTRIC. COORDINATE THE RELOCATION WITH FLINT ELECTRIC BEFORE POURING THE CONCRETE SLAB. SEE PHOTOGRAPH B.

35% DESIGN
BID DOCUMENTS



ELECTRICAL SITE PLAN

				BY			
				DATE			
				REVISIONS			
				SYMBOL			
				DRAWN BY			
				K. CHAN			
				APPROVED			
				D. SAYLOR			
				DRAWING NUMBER			
				44117-E0			
				SCALE			
				NOTED			
				DATE			
				18 AUG 20			



1 ELECTRICAL FLOOR PLAN
E1 6 SCALE: 1/4" = 1'-0"

FIXTURE SCHEDULE			
TYPE	LAMP	MOUNTING	DESCRIPTION
A	LED	SURFACE	LITHONIA LIGHTING CAT# FEM-L96-12000LM-1MAFD-MD-MVOLT-GZ10-40K-80CRI
			FEM LED LOW-PROFILE ENCLOSED AND GASKETED

BIGASS FAN, MODEL: I6 SCHEDULE										
DIAMETER (A)	ENVIRONMENT	CFM	EFFICIENCY (CFM/W)	MAX WATTS	MAX SPEED	LIGHT KIT	INPUT POWER	WEIGHT	WINGLET TO CEILING (B)	LIGHT KIT HEIGHT
84 INCH	OUTDOOR	15814	369	41W	110 RPM	72.6 LM/W	100-277 VAC 60 Hz, 1Ø	37.3 LB	16.8 INCH	0.7 INCH
										SOUND LEVEL LESS THAN 35 dBA AT MAX SPEED

BIGASS FAN, MODEL: I6 ORDERING INFORMATION				
DIAMETER (A)	ENVIRONMENT	MOUNT	FINISH	LED LIGHT
MK-I61-07	19: OUTDOOR	06: STANDARD	A730: OIL-RUBBED BRONZE	S2: LED LIGHT

SPECIAL ELECTRICAL KEYED NOTES:

- PROVIDE AND INSTALL THE SURFACE-MOUNT, LOW-PROFILE, ENCLOSED AND GASKETED INDUSTRIAL FEM LED LIGHT FIXTURE (FIXTURE A) AS INDICATED ON THE DRAWING. THE LED LIGHT FIXTURES SHALL BE UL LISTED AND SUITABLE FOR WET LOCATION OPERATION. INSTALL LIGHT FIXTURES TO THE BEAM STRUCTURE AND PROVIDE POWER SERVICE TO THE LED LIGHT FIXTURES PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE AND INSTALL THE WEATHERPROOF THREE-WAY SWITCH CONTROL BOXES ON THE COLUMNS AS INDICATED ON THE DRAWING. MOUNT THE THREE-WAY SWITCH CONTROL BOXES 48-INCH ABOVE THE FINISHED FLOOR. INSTALL THE LIGHT SWITCHES AND PROVIDE POWER SERVICE TO THE LIGHT SWITCHES PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE 120V, 20A WEATHERPROOF GFI DUPLEX RECEPTACLE ON EACH COLUMN. MOUNT RECEPTACLE 30-INCH ABOVE THE FINISHED FLOOR. INSTALL THE RECEPTACLE OUTLETS ON THE COLUMNS AND PROVIDE POWER TO THE RECEPTACLE OUTLETS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE AND INSTALL A 7 FOOT DIAMETER INDUSTRIAL CEILING FAN (BIGASSFAN: MODEL I6) TO THE BEAM STRUCTURE AS INDICATED ON THE DRAWING AND PROVIDE POWER SERVICE TO INDUSTRIAL CEILING FANS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE AND INSTALL WEATHERPROOF REMOTE CONTROLLER IN NEMA-3R ENCLOSURE ON THE COLUMNS TO CONTROL CEILING FANS. PROVIDE POWER SERVICE TO REMOTE CONTROLLERS PER MANUFACTURER'S RECOMMENDATIONS.
- NEW CONDUITS UNDER THE COVERED TRAINING AREA (UNDER THE ROOF) SHALL BE ELECTRICAL METALLIC TUBING (EMT) CONDUIT.
- PROVIDE AND INSTALL A NEW 200A, 120/240V, SINGLE-PHASE AND 3-WIRE PANELBOARD (PANEL A) MOUNTED ON THE COLUMN AS INDICATED ON THE DRAWING. NEW PANELBOARD SHALL HAVE 20-CIRCUIT SPACES AND SHALL HAVE A NEMA-3R PANELBOARD ENCLOSURE. PROVIDE AND INSTALL A SURGE PROTECTION DEVICE FOR THE PANELBOARD.
- ELECTRICAL CONTRACTOR WILL OBTAIN THE METER BASE FROM FLINT ELECTRIC AND INSTALL THE METER BASE ON THE COLUMN. CONTRACTOR WILL CONNECT THE LOAD SIDE OF METER BASE TO THE NEW 200A, 120/240V, SINGLE-PHASE PANELBOARD (PANEL A).

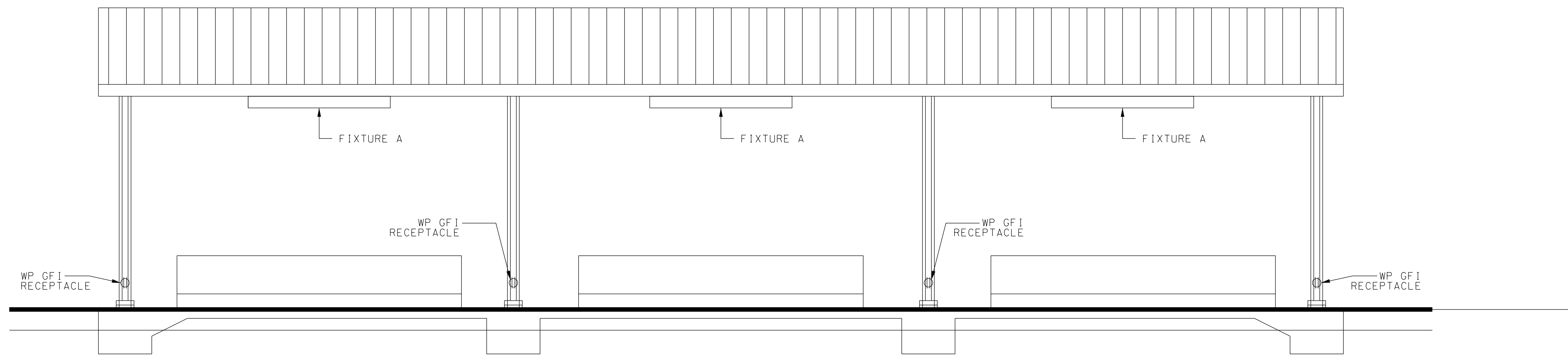
PANEL SCHEDULE										
PANEL: A			PANEL A I.C. RATING: XX,000 AMPS							
RACK MOUNTED			SURFACE MOUNTED		VOLTS 120/240		PHASE 1 WIRES 3		MCB: 200A	
CIRC NO.	TRIP AMPS	NO. POLES	LOAD SERVED	PHASE A	LOAD VA	PHASE B	LOAD SERVED	CIRC NO.	TRIP AMPS	NO. POLES
1	20	100	EXISTING CIRCUITS	4800	700		LED LIGHT FIXTURES	2	20	1
3				4800	360		TWO WP RECEPTACLES	4	20	1
5			SPACE	-	360		TWO WP RECEPTACLES	6	20	1
7			SPACE	-	360		TWO WP RECEPTACLES	8	20	1
9			SPACE	-	360		TWO WP RECEPTACLES	10	20	1
11			SPACE	-	300		BIGASS FANS	12	20	1
13			SPACE	-	-		SPACE	14		
15			SPACE	-	-		SPACE	16		
17			SPACE	-	-		SPACE	18		
19			SPACE	-	-		SPACE	20		
TOTAL				9600	2440					
TOTAL CONNECTED LOAD				100%	12.04 KVA	DEMAND LINE AMPS = 50 A				
ESTIMATED DEMAND LOAD				70%	8.43 KVA					

35% DESIGN
BID DOCUMENTS

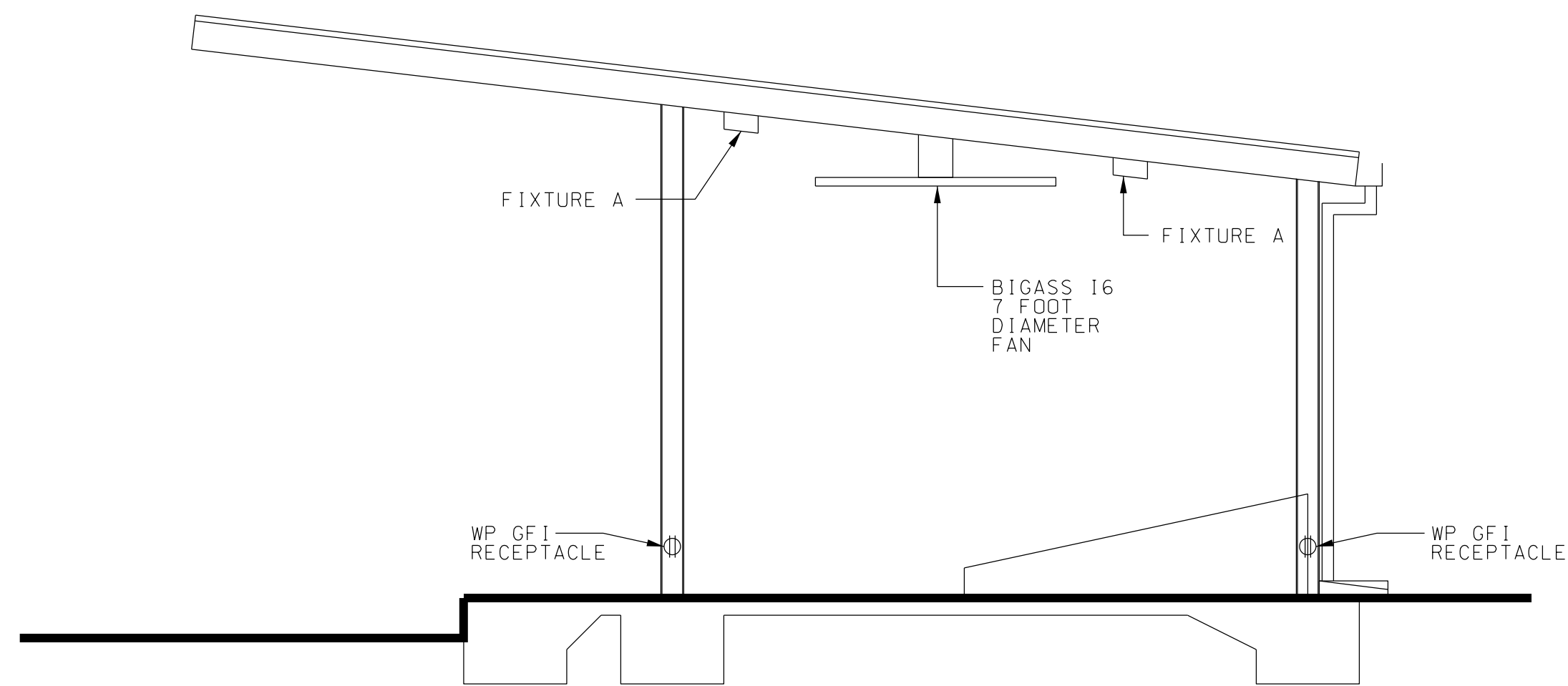
ELECTRICAL FLOOR PLAN

				BY	DIRECTORATE OF PUBLIC WORKS FORT BENNING, GEORGIA				
				DATE					
				SYMBOL	REPAIR BY REPLACING HOOK RANGE CTA FORT BENNING, GEORGIA				
					DRAWN BY K. CHAN	DRAWING NUMBER 44117-E1			SCALE NOTED
					APPROVED D. SAYLOR	DATE 18 AUG 20			
					L&E NO:				

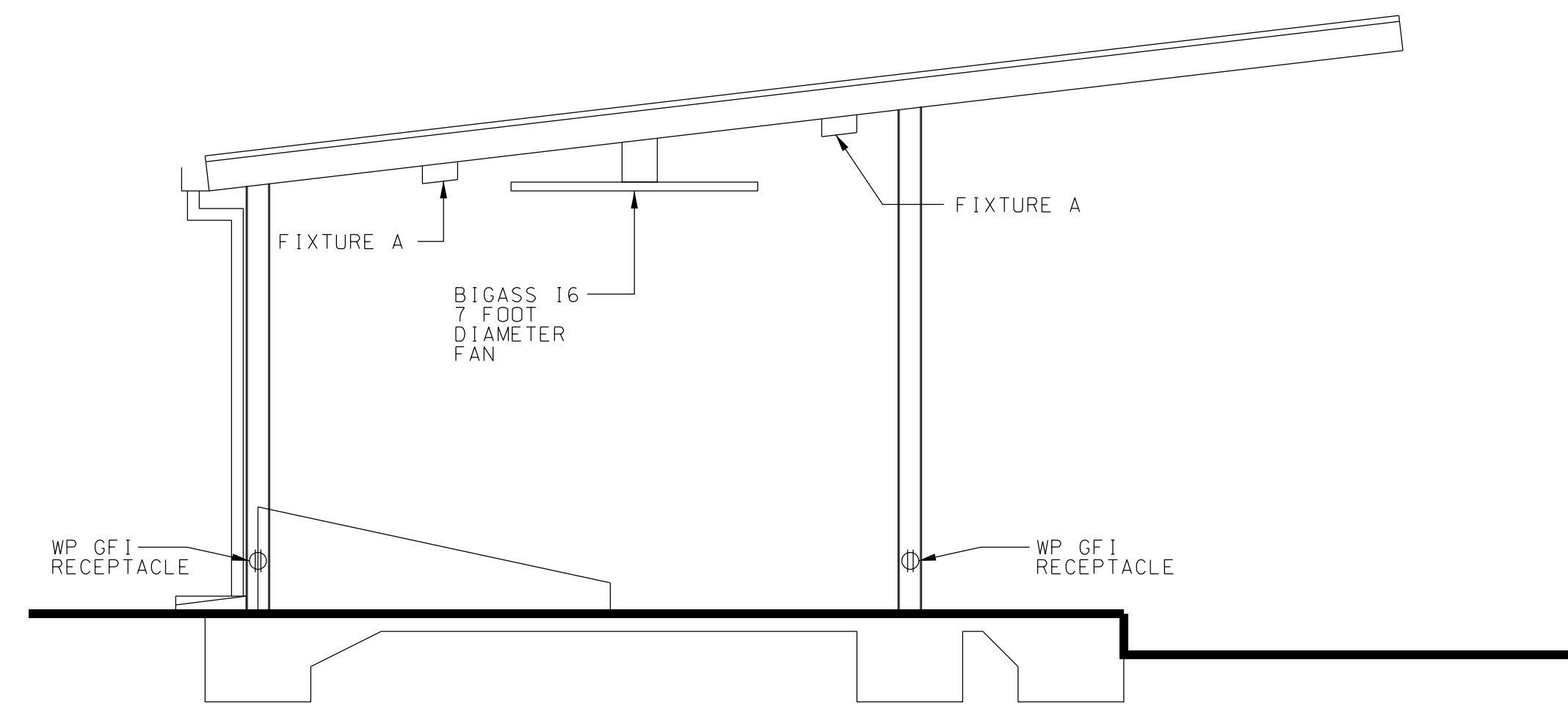
12" 0' 5' 10'
SCALE: 1/4 INCH = 1 FOOT



1 ELECTRICAL FLOOR PLAN
E2 FRONT/BACK ELEVATIONS SCALE: 1/4" = 1'-0"



1 ELECTRICAL FLOOR PLAN
E2 LEFT ELEVATION SCALE: 1/4" = 1'-0"

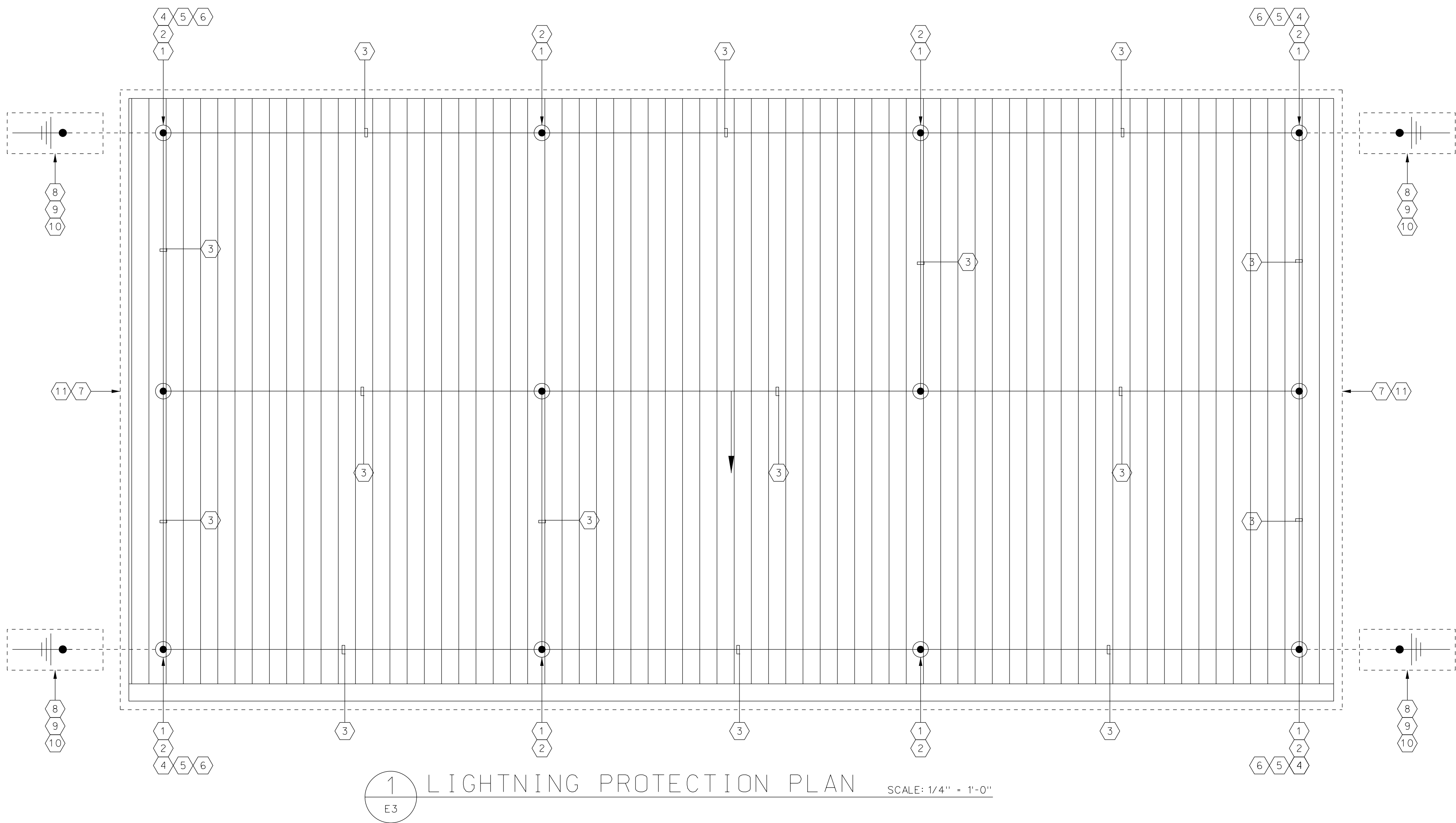


1 ELECTRICAL FLOOR PLAN
E2 RIGHT ELEVATION SCALE: 1/4" = 1'-0"

35% DESIGN
BID DOCUMENTS

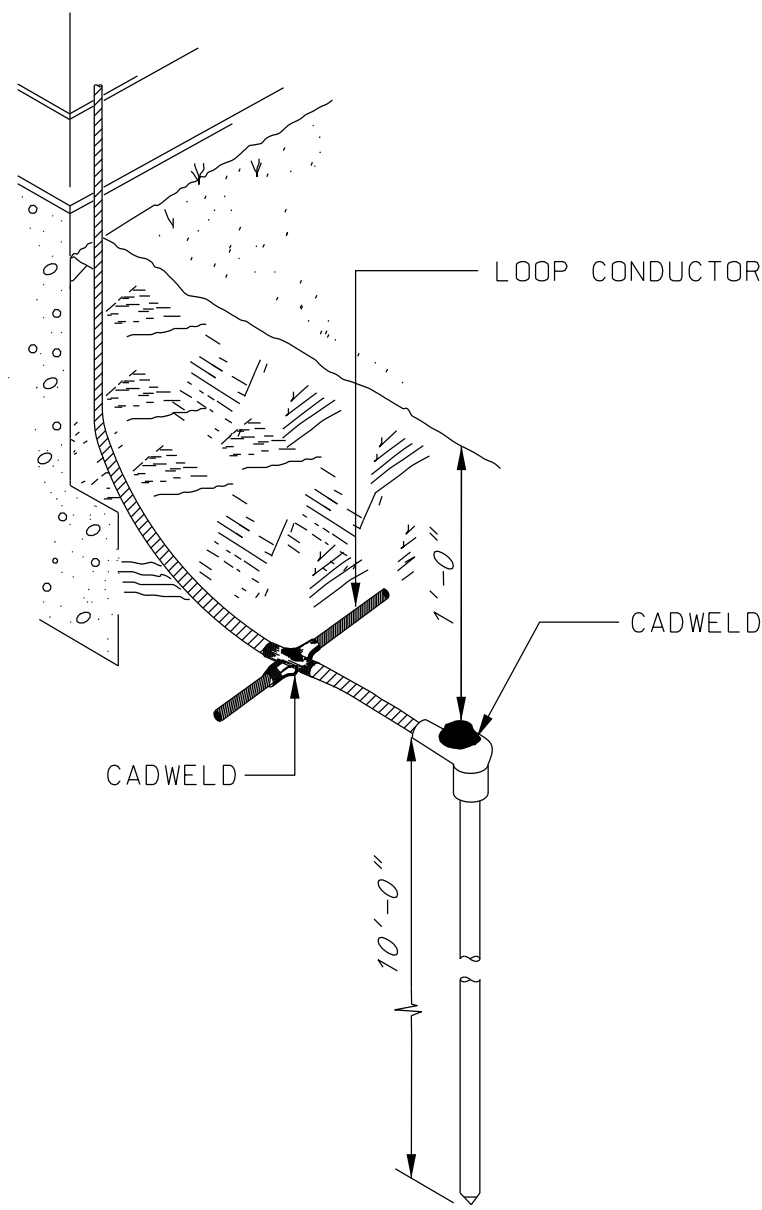
12" 0' 5' 10'
SCALE: 1/4 INCH = 1 FOOT

ELECTRICAL FLOOR PLAN - ELEVATIONS									



ELECTRICAL KEYED NOTES:

- 1 INSTALL AIR TERMINAL ON THE ROOF. CONNECT THE PRIMARY (ROOF) CONDUCTOR TO THE AIR TERMINAL AND SECURE THEM ON THE ROOF WITH CABLE SUPPORT AND CONNECTOR. SEE DETAILS, 4, 5, AND 6 ON THE DRAWING SHEET 43902-E3.
- 2 AIR TERMINAL WILL BE IN ACCORDANCE WITH UL 96, UL96A, AND NFPA NO. 78 OR MIL-HDB-419.
- 3 INDICATE ROUTING OF PRIMARY (ROOF) CONDUCTORS.
- 4 PROVIDE WALL (ABOVE ROOF) PENETRATION AND APPY ADEQUATE WATERPROOFING AND CAULKING AROUND PENETRATED AREA.
- 5 THRU WALL (ABOVE ROOF) FLASHING SHALL BE COPPER WITH 8 INCH ROUND BASE AND HORIZONTAL TUBE WITH NEOPRENE SEAL.
- 6 INDICATED THE LOCATION OF PRIMARY (DOWNCONDUCTORS) CONNECTORS AND INSTALL DOWNCONDUCTORS OUTSIDE OF THE STRUCTURE.
- 7 ALL CONDUCTORS (PRIMARY AND SECONDARY) SHALL NOT BE PAINTED.
- 8 CONDUCTOR BONDING BELOW GRADE SHALL BE EXOTHERMIC WELD TYPE.
- 9 GROUNDING WILL CONFORM TO NEPA NO. 78, EXCEPT AS REQUIRED BY THE USING AGENCY.
- 10 COUNTERPOISE WILL EXTEND 10 FOOT BEYOND BUILDING PERIMETER AND GROUND RODS WILL BE AT LEAST 3/4" X 10'-0" LONG. SEE DETAIL 7 ON THE DRAWING SHEET 43902-E3.
- 11 ALL METAL EQUIPMENT ON THE ROOF SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM USING SECONDARY CONDUCTOR.

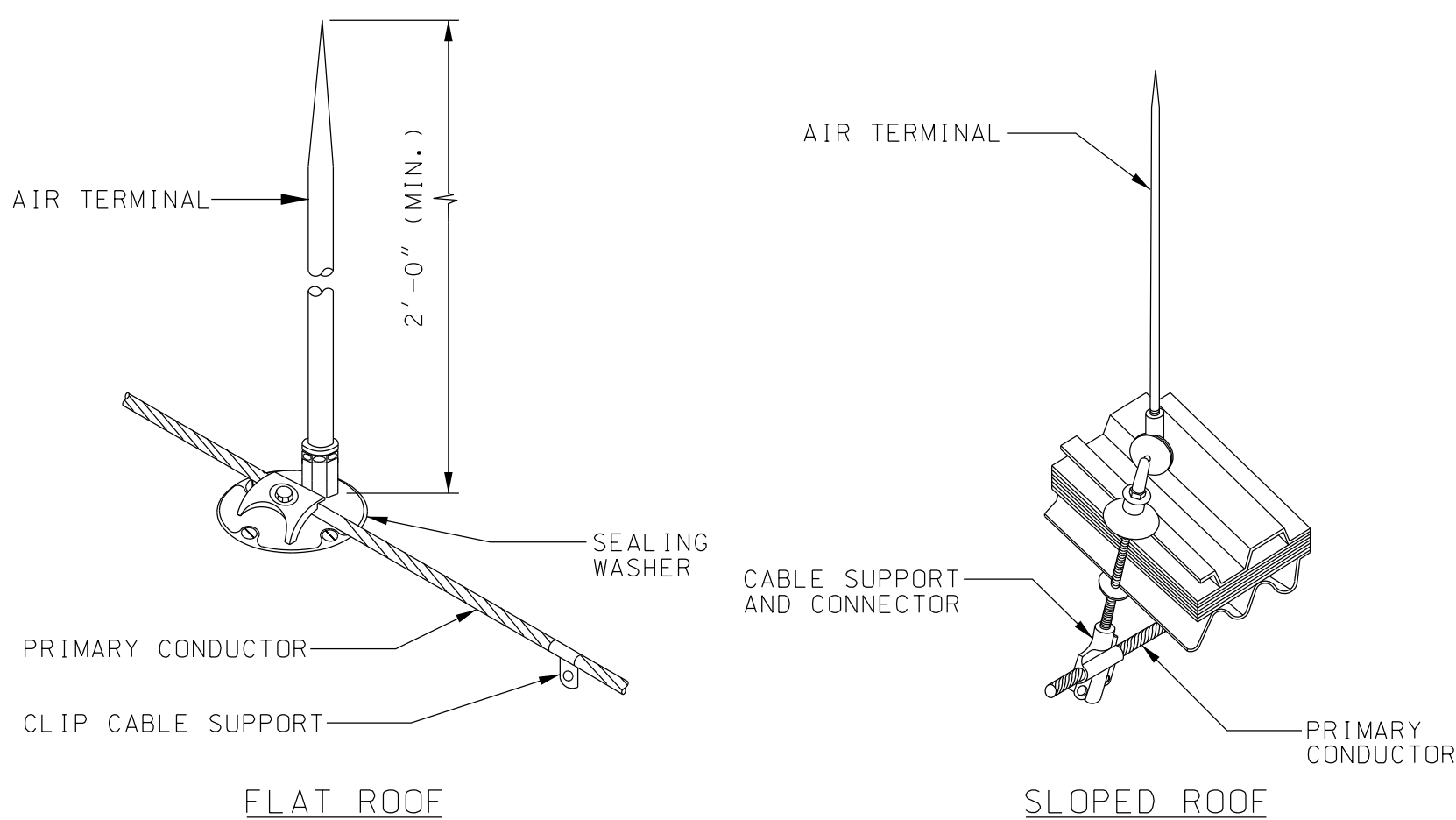


5 GROUNDING DETAIL (TYPICAL) NO SCALE

35% DESIGN
BID DOCUMENTS

LIGHTNING PROTECTION NOTE:

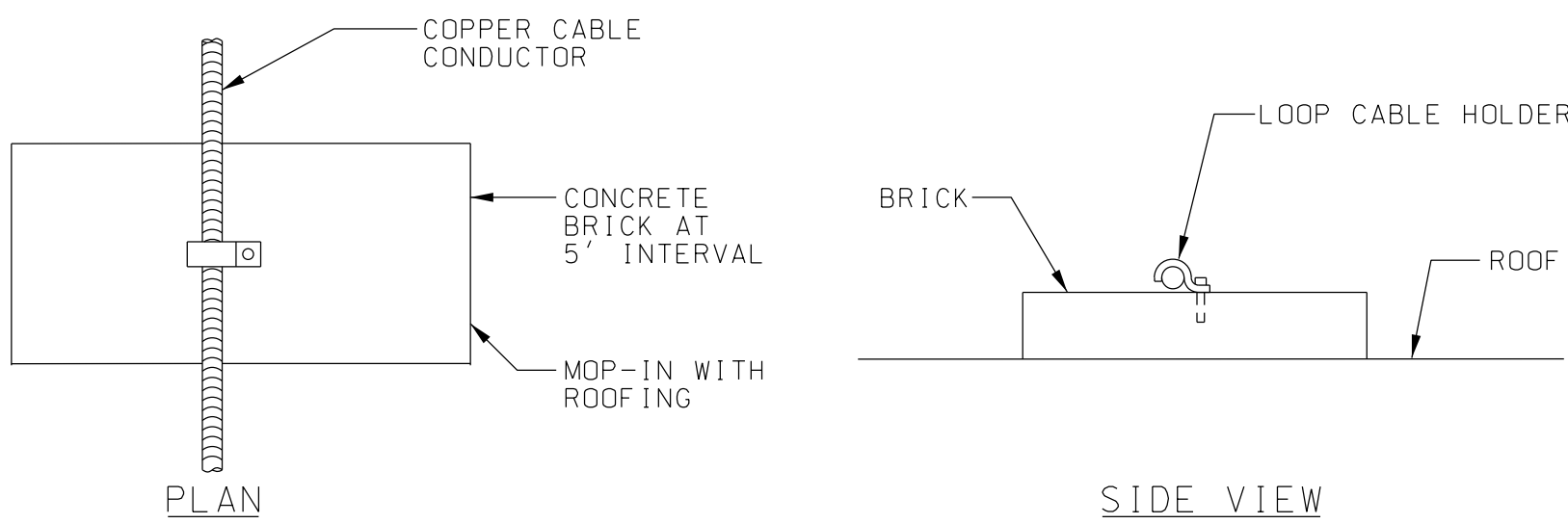
CONTRACTOR SHALL DESIGN THE LIGHTNING PROTECTION SYSTEM AND THE SYSTEM SHALL BE ABLE TO OBTAIN UL MASTER LABEL CERTIFICATE.



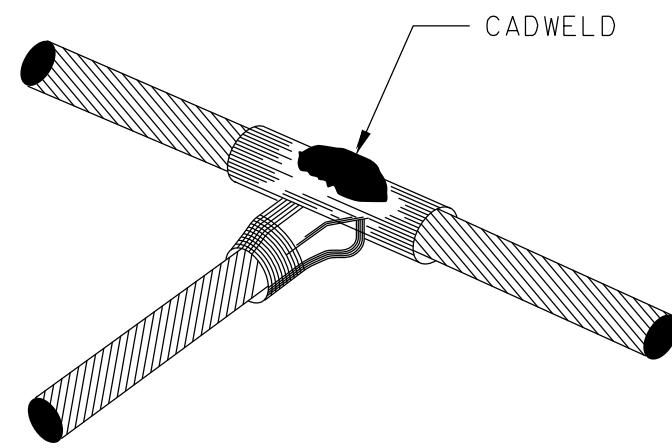
2 AIR TERMINAL DETAILS (TYPICAL) NO SCALE

LEGEND

- 24" AIR TERMINAL
- PRIMARY CONDUCTOR
- SECONDARY CONDUCTOR WITH BONDING
- GROUND ROD
- ROOF PENETRATION LOCATION



3 SUPPORT DETAILS (TYPICAL) NO SCALE

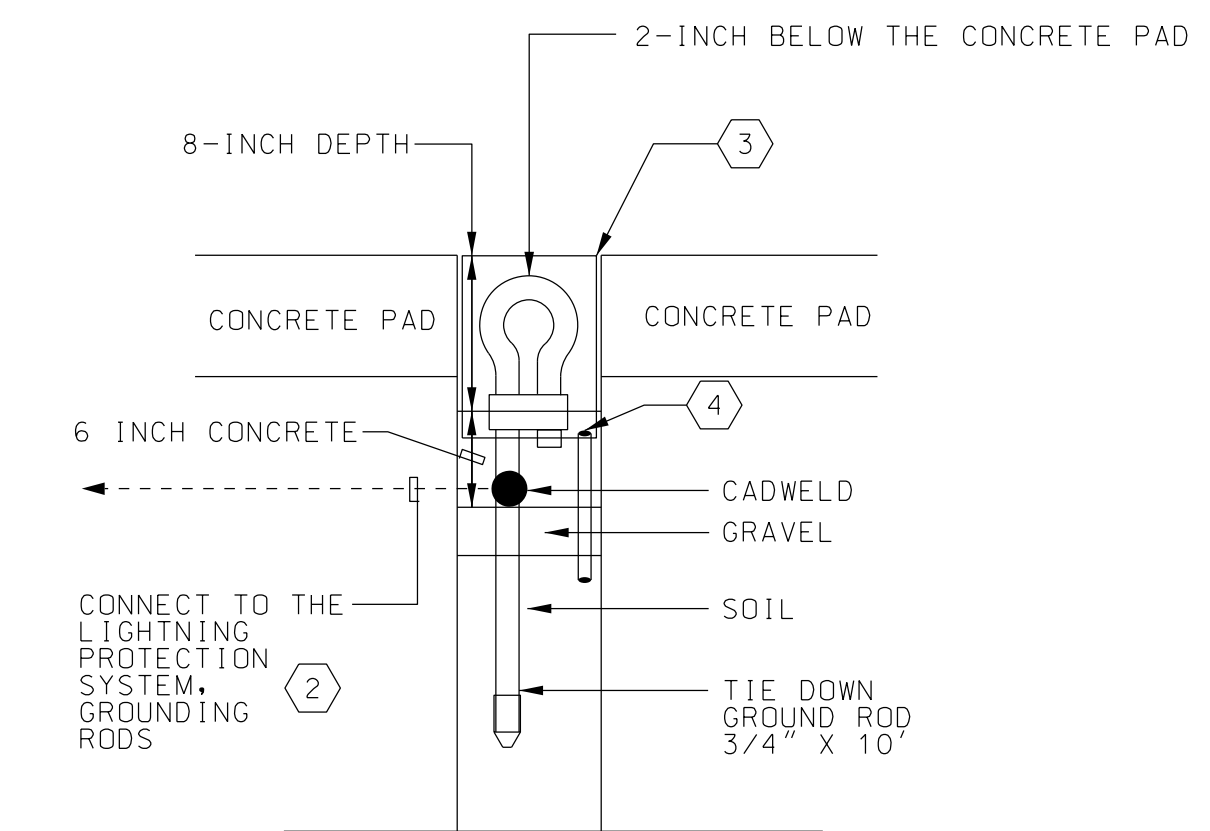


4 TEE-SPLICER CONNECTOR DETAIL (TYPICAL) NO SCALE

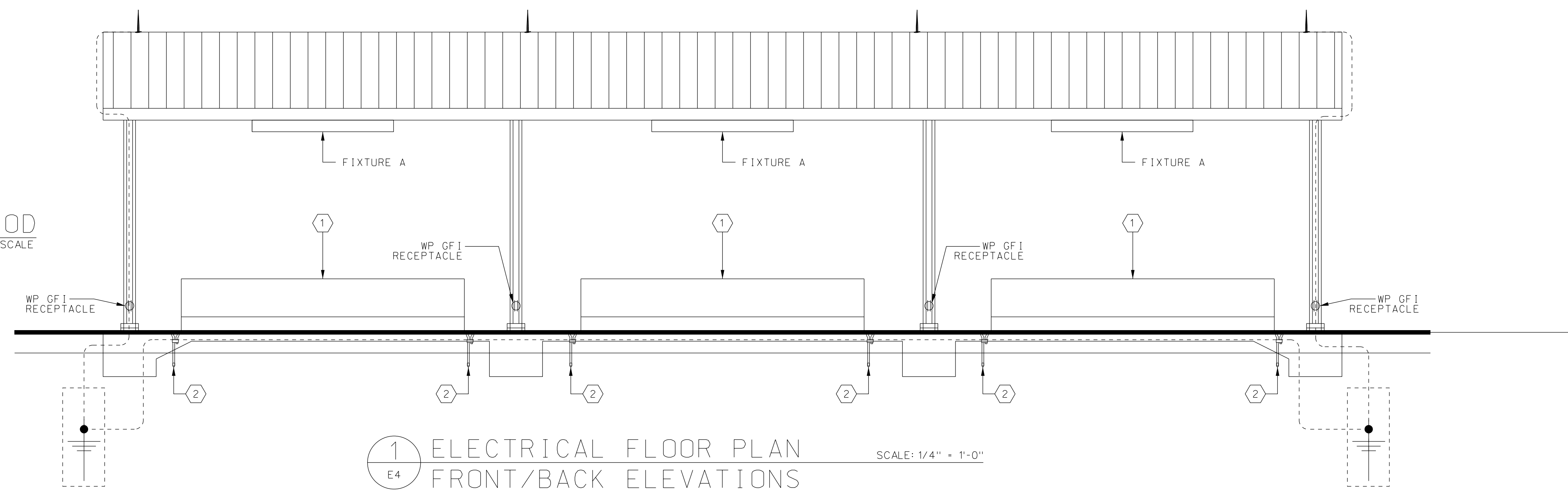
12" 0' 5' 10'
SCALE: 1/4 INCH = 1 FOOT

LIGHTNING PROTECTION PLAN AND DETAILS

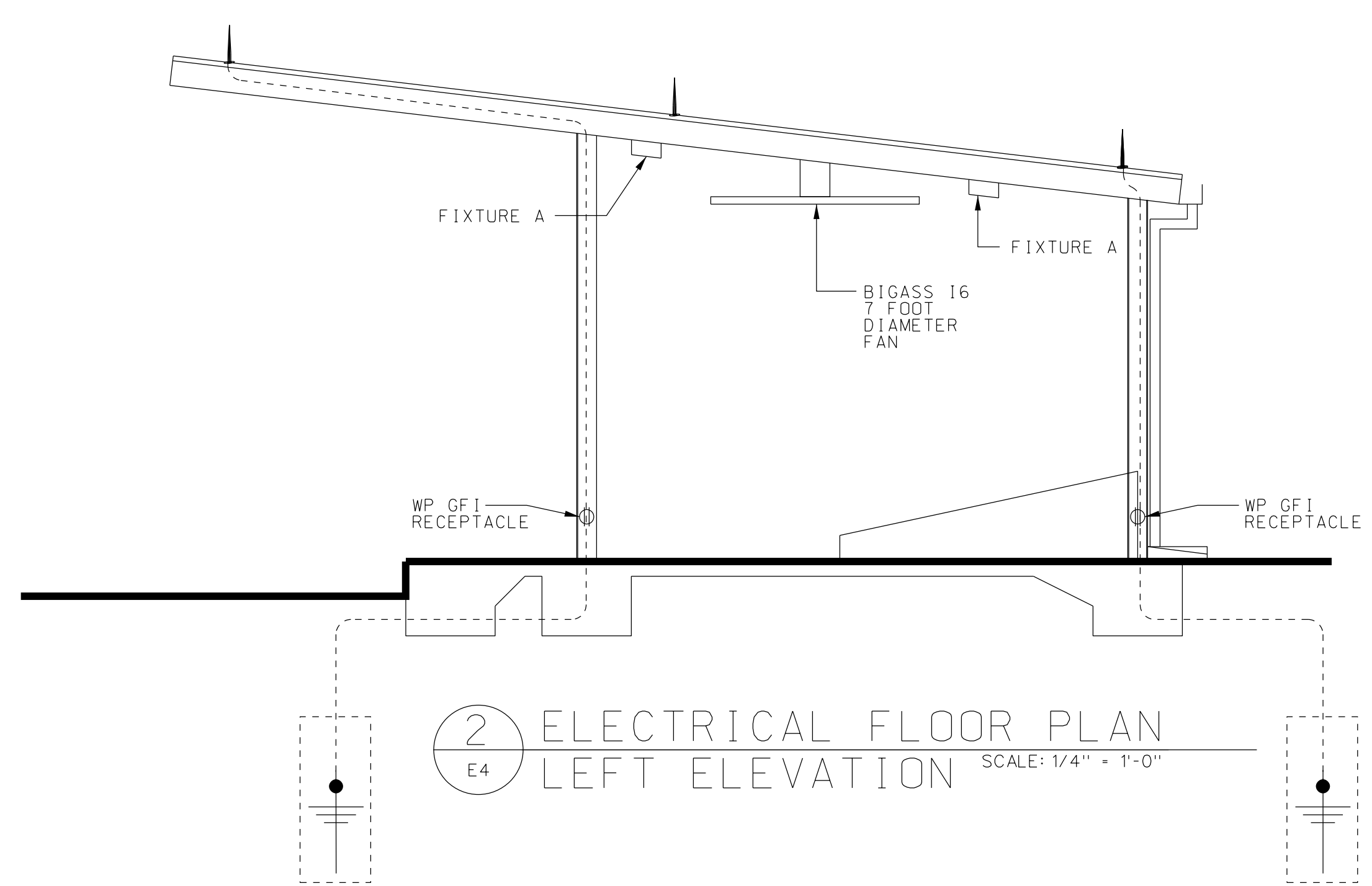
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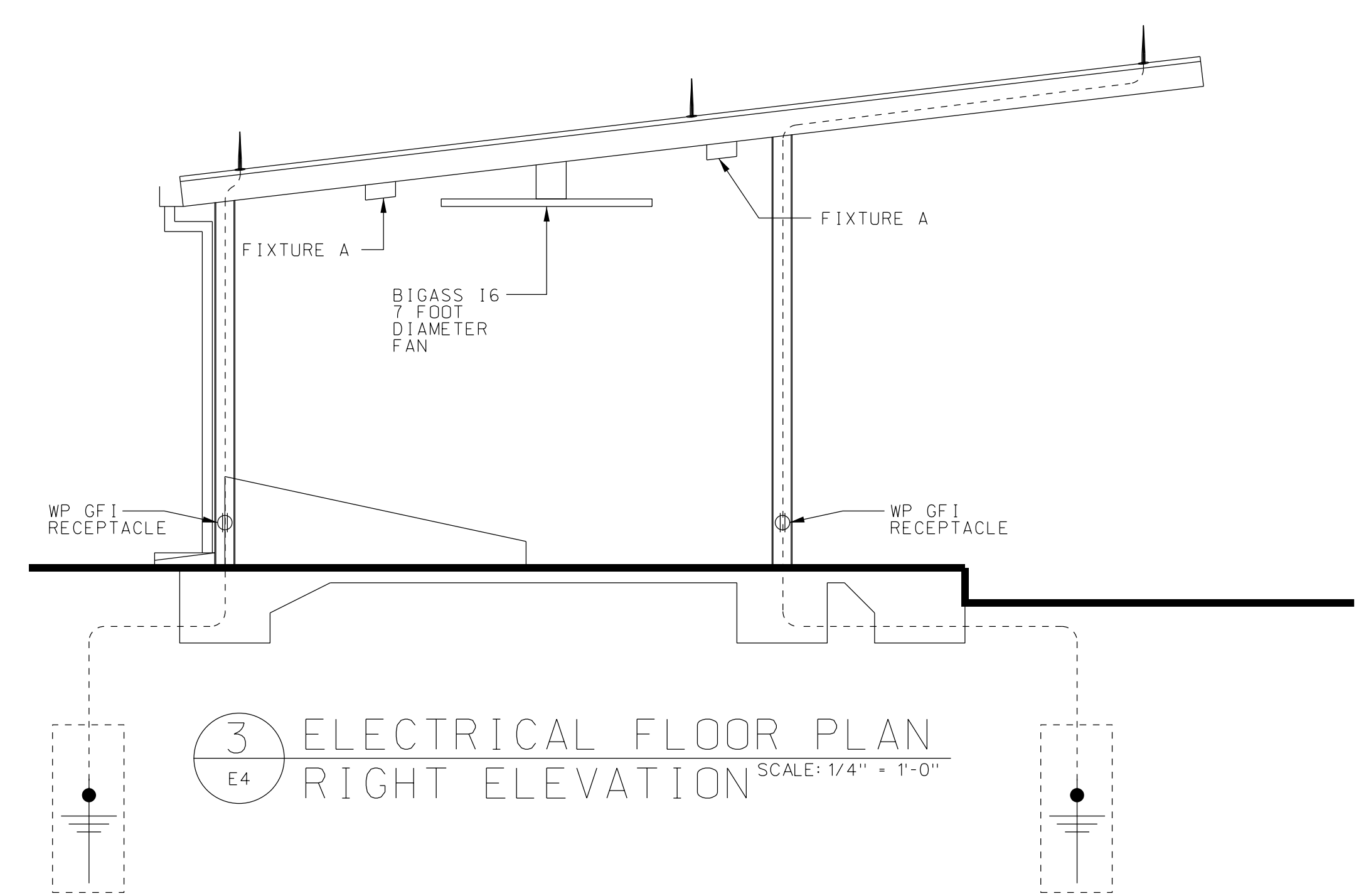
4 TIE DOWN GROUND ROD
E4 INSTALLATION NO SCALE



1 ELECTRICAL FLOOR PLAN
E4 FRONT/BACK ELEVATIONS SCALE: 1/4" = 1'-0"



2 ELECTRICAL FLOOR PLAN
E4 LEFT ELEVATION SCALE: 1/4" = 1'-0"



3 ELECTRICAL FLOOR PLAN
E4 RIGHT ELEVATION SCALE: 1/4" = 1'-0"

ELECTRICAL KEYED NOTES:

- 1 ALL BLEACHERS SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM. IN THIS CASE, THE USER WILL MOVE THE BLEACHERS FREQUENTLY; THEREFORE, OUR DESIGN IS TO INSTALL THE TIE DOWN GROUND RODS IN THE CONCRETE PAD ALLOWING THE USER TO TIE THE BLEACHERS TO THE LIGHTNING PROTECTION SYSTEM WHEN REQUIRED.
- 2 PROVIDE AND INSTALL THE TIE DOWN GROUND RODS (3/4"x10') AS INDICATED ON THE DRAWING. CONNECT THE TIE DOWN GROUND RODS TO THE LIGHTNING PROTECTION SYSTEM.
- 3 PROVIDE AND INSTALL A 9-INCH DIAMETER AND 10.25-INCH LONG PVC GROUND INSPECTION WELL WITH THE COVER.
- 4 PROVIDE AND INSTALL A 1/2-INCH, 24-INCH LONG, SCHEDULE 40 PVC CONDUIT AS INDICATED ON THE DRAWING. PROVIDE AND INSTALL A PLUG ON THE CONDUIT.

- 24" AIR TERMINAL
- PRIMARY CONDUCTOR
- SECONDARY CONDUCTOR WITH BONDING
- GROUND ROD
- ROOF PENETRATION LOCATION

35% DESIGN
BID DOCUMENTS

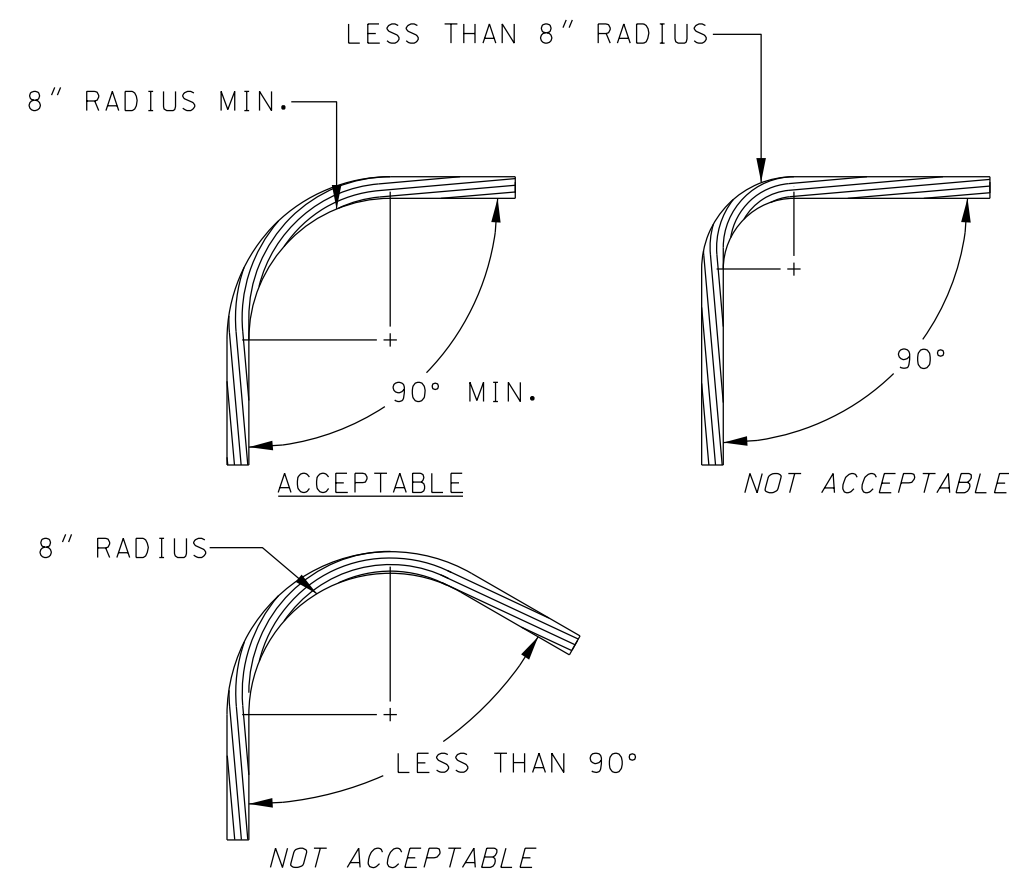
12" 0' 5' 10'
SCALE: 1/4 INCH = 1 FOOT

LIGHTNING PROTECTION SYSTEM PLAN -
ELEVATIONS

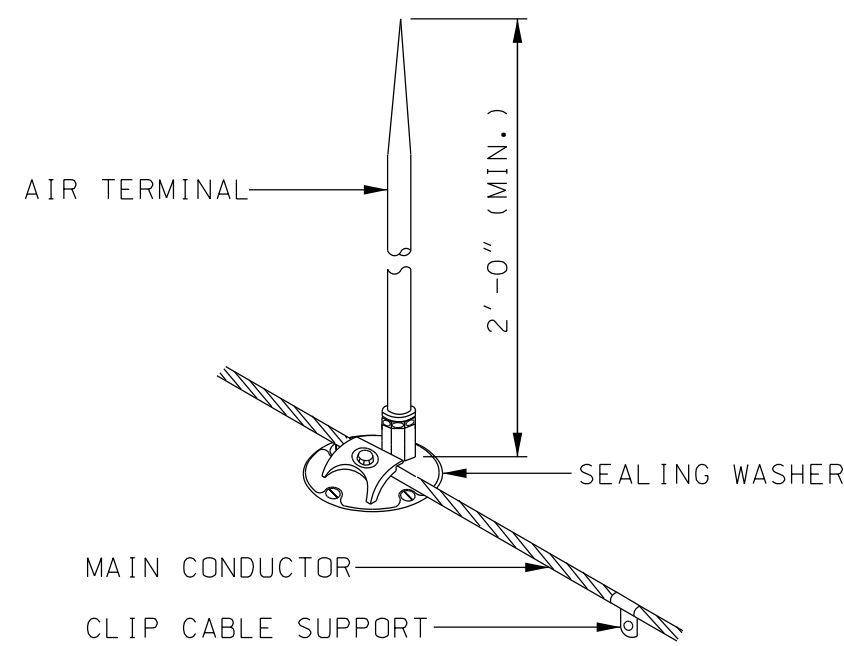
BY		DATE		REVISIONS	
SYMBOL		DATE		REVISIONS	
DIRECTORATE OF PUBLIC WORKS FORT BENNING, GEORGIA					
REPAIR BY REPLACING HOOK RANGE CTA FORT BENNING, GEORGIA					
DRAWN BY K. CHAN		DRAWING NUMBER 44117-E4		SCALE NOTED	
APPROVED D. SAYLOR		L&E NO:		DATE 18 AUG 20	

LIGHTNING PROTECTION SCOPE OF WORKS:

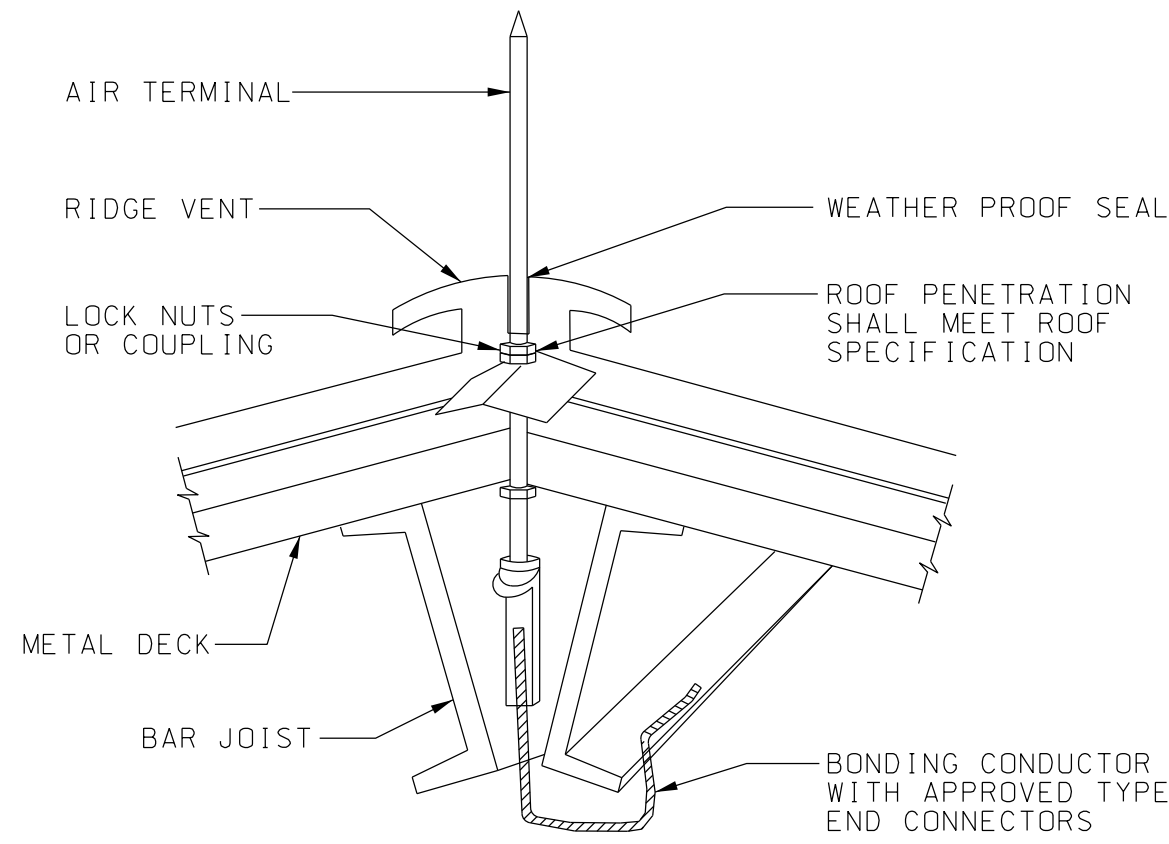
1. PROVIDE AND INSTALL AIR TERMINAL ON THE ROOF. CONNECT THE PRIMARY (ROOF) CONDUCTOR TO THE AIR TERMINAL, AND SECURE THEM ON THE ROOF WITH CABLE SUPPORT AND CONNECTOR. SEE TYPICAL DETAILS ON BOTH 43902-E3 AND 43902-E4.
2. ALL LIGHTNING PROTECTION DEVICES WILL BE IN ACCORDANCE WITH UL 96A.
3. PROVIDE ROOF PENETRATION IF NECESSARY AND APPLY ADEQUATE WATERPROOFING AND CAULKING AROUND PENETRATED AREA.
4. THRU ROOF FLASHING SHALL BE COPPER WITH 8-INCH ROUND BASE AND VERTICAL TUBE WITH NEOPRENE SEAL.
5. PROVIDE AND INSTALL DOWNCONDUCTORS OUTSIDE OF THE STRUCTURE.
6. ALL LIGHTNING PROTECTION MATERIALS AND COMPONENTS SHALL COMPLY WITH UL 96A AND NFPA 780 MATERIAL CODE REQUIREMENTS.
7. ALL METAL SHALL BE COPPER, BRONZE, OR STAINLESS STEEL.
8. ALUMINUM COMPONENTS SHALL BE USED IN LOCATIONS WHERE SYSTEM COMPONENTS ARE MOUNTED TO ALUMINUM SURFACES TO AVOID GALVANIC CORROSION OF DISSIMILAR METALS.
9. ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED AT INTERVALS NOT TO EXCEED 3'-0" O.C..
10. ALL LIGHTNING PROTECTION CONDUCTORS SHALL INTERCONNECT ALL AIR TERMINALS TO FORM A TWO WAY PATH TO GROUND.
11. NO CONDUCTOR SHALL FORM AN ANGLE THAT EXCEEDS 90 DEGRESS, NOR HAVE A RADIUS OF BEND LESS THAN 8-INCHES.
12. ALL CONDUCTORS (PRIMARY AND SECONDARY) SHALL NOT BE PAINTED.
13. CONNECTOR BONDING BELOW GRADE SHALL BE EXOTHERMIC WELD TYPE.
14. GROUNDING WILL CONFORM TO UL96A, EXCEPT AS REQUIRED BY THE USING AGENCY.
15. COUNTERPOISE WILL EXTEND 10' BEYOND BUILDING PERIMETER AND GROUND ROD WILL BE AT LEAST 3/4" X 10'-0" LONG.
16. ALL METAL EQUIPMENT ON THE ROOF SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM USING SECONDARY CONDUCTOR.



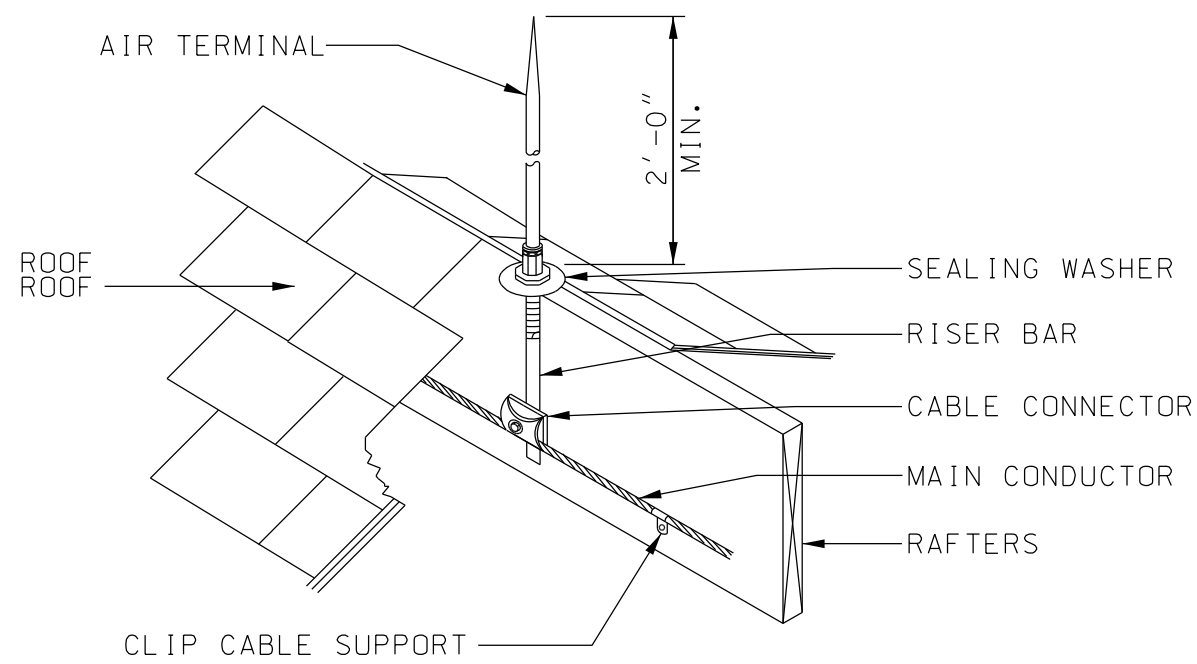
4 TYPICAL - ACCEPTABLE CABLE BENDS NO SCALE



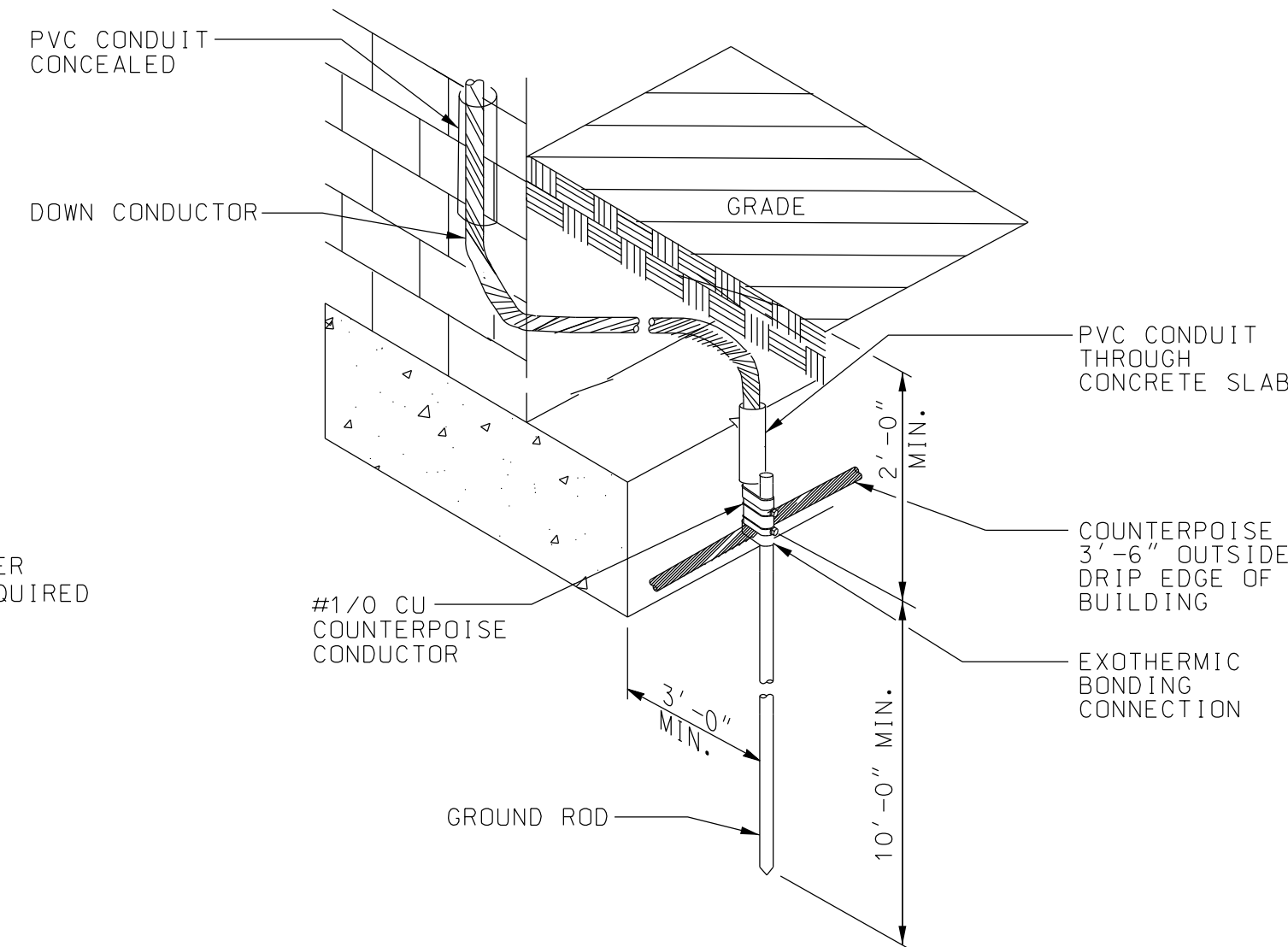
3 AIR TERMINAL NO SCALE



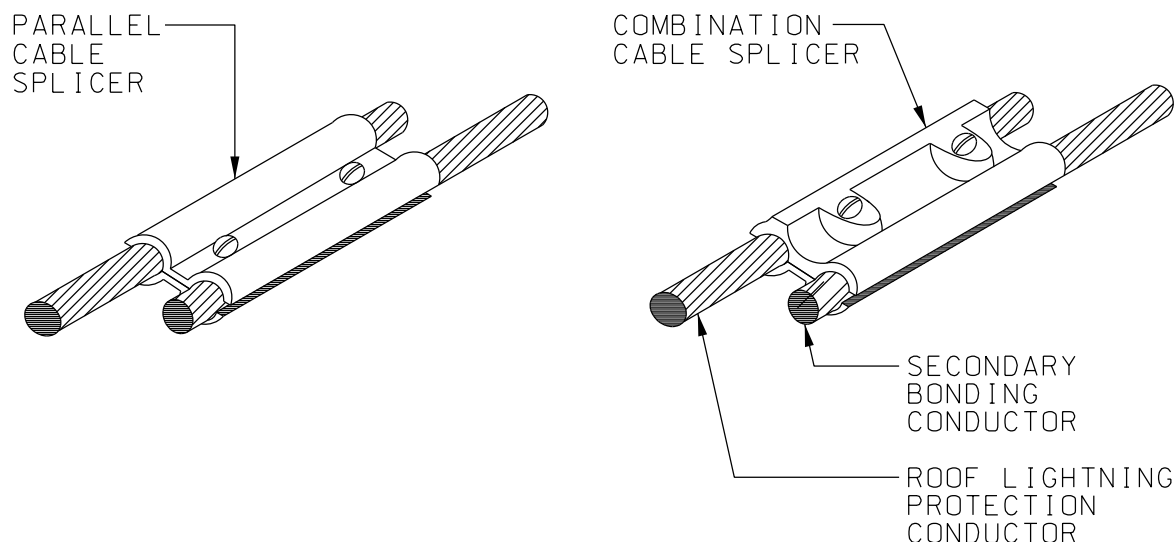
8 TYPICAL MOUNTING OF TERMINALS THROUGH ROOF RIDGE VENT NO SCALE



9 AIR TERMINAL DETAIL NO SCALE



6 GROUNDING DETAIL NO SCALE

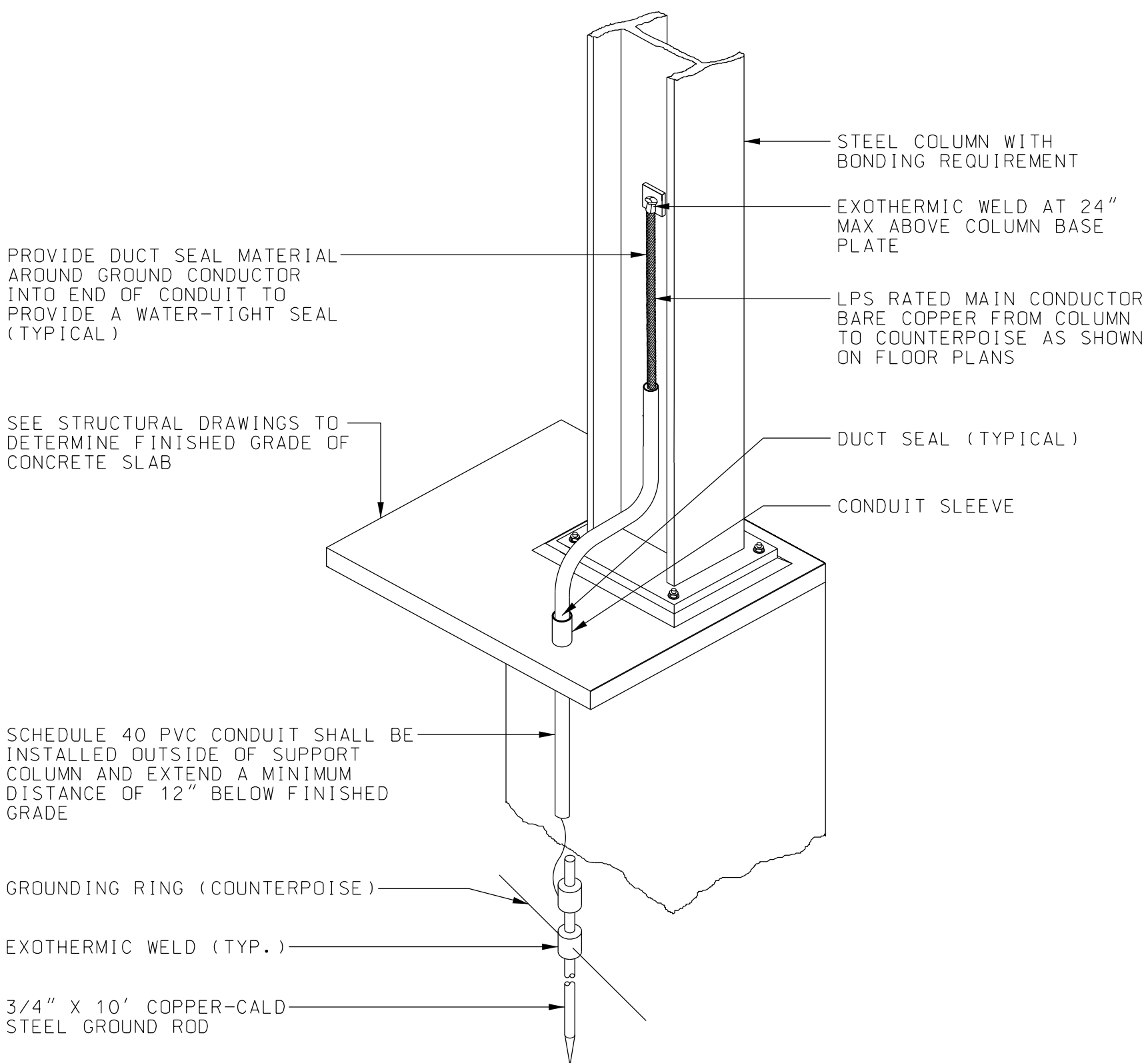


7 CABLE SPLICERS DETAIL NO SCALE

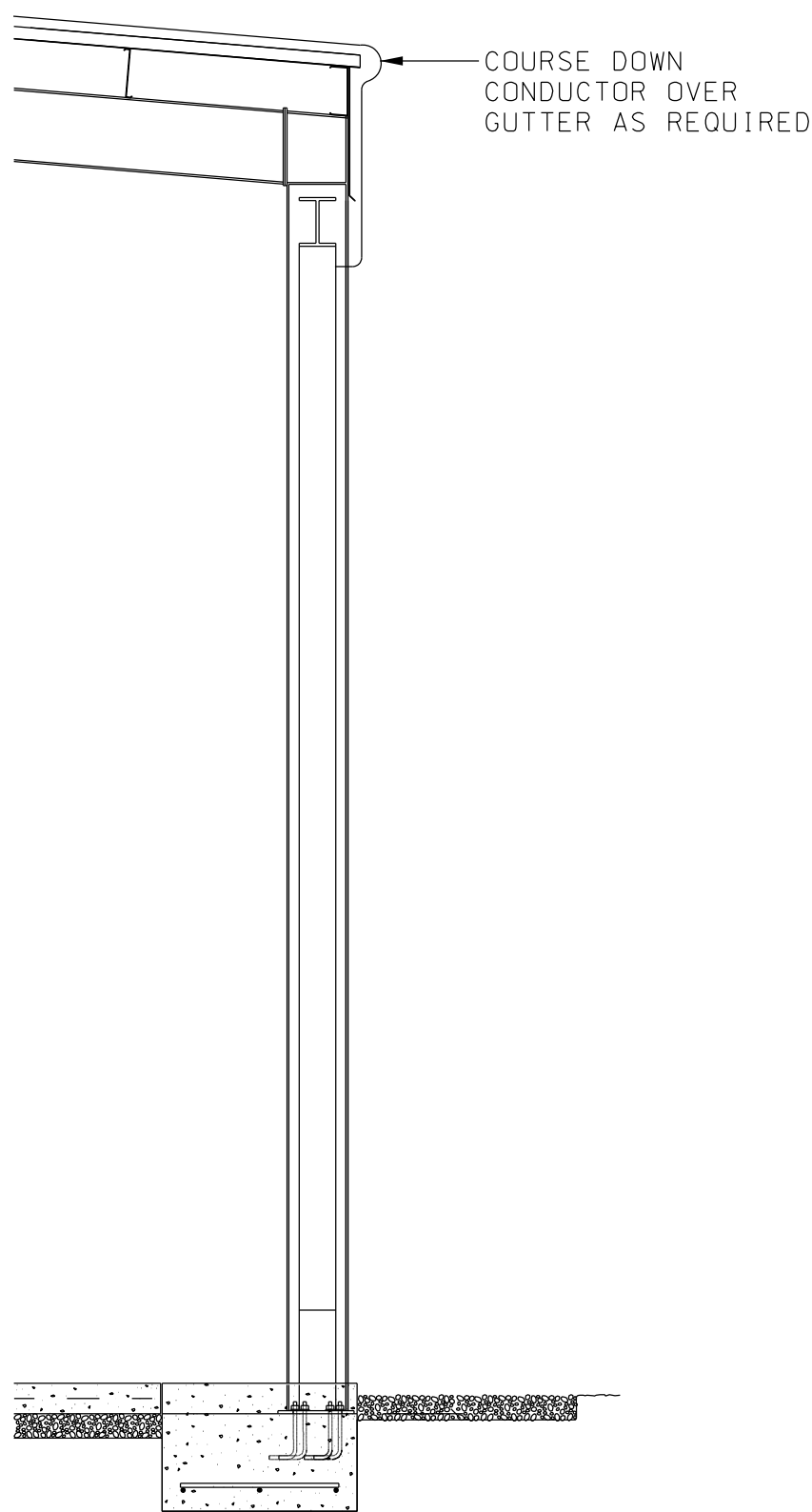
LIGHTNING PROTECTION NOTES:

1. CONTRACTOR SHALL DESIGN THE LIGHTNING PROTECTION SYSTEM.
2. THE LIGHTNING PROTECTION SYSTEM (LPS) SHALL BE INSTALLED IN ACCORDANCE WITH UL 96A.
3. PROVIDE AND INSTALL TRANSIENT VOLTAGE SURGE SUPPRESSOR (TVSS) OR SURGE PROTECTIVE DEVICE SUITABLE FOR ELECTRICAL SERVICE ENTRANCE ON LIGHTNING PROTECTION APPLICATIONS.

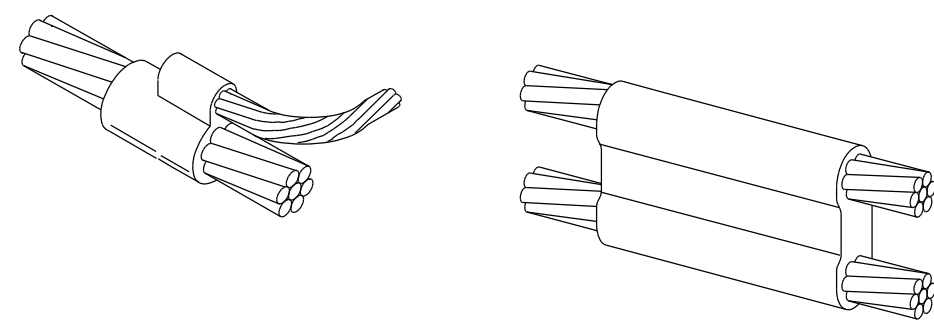
35% DESIGN
BID DOCUMENTS



1 BONDING PERIMETER STRUCTURAL STEEL COLUMN TO COUNTERPOISE DETAIL NO SCALE



2 DOWN CONDUCTOR DETAIL NO SCALE



5 EXOTHERMIC BOND DETAIL NO SCALE

LIGHTNING PROTECTION TYPICAL DETAILS

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