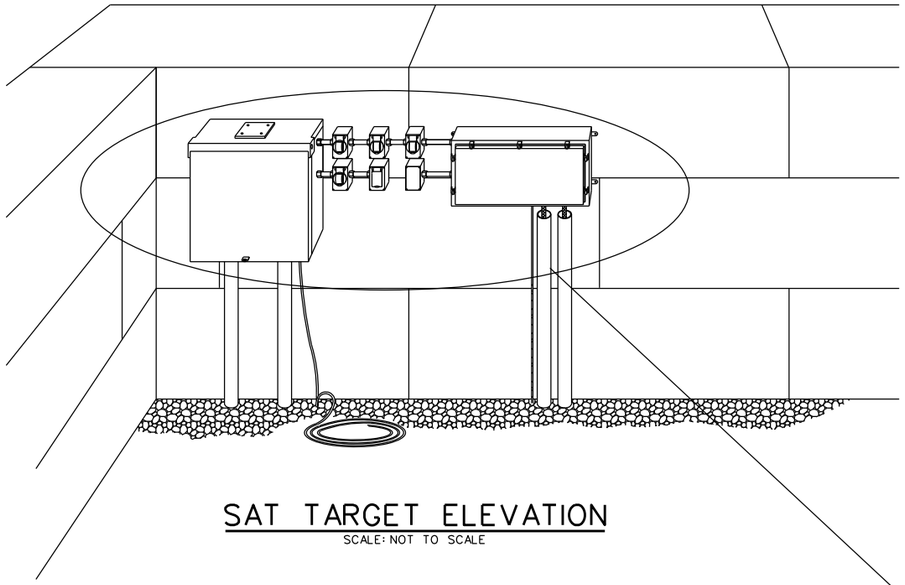


SAT TARGET ELEVATION

SCALE: NOT TO SCALE

PANEL BOARD: PB-xx LOCATION: XXXXXXX MOUNTED: SURFACE FEED: BOTTOM

100 AMP MIN MAIN LUGS ONLY ASYM A.I.C. MIN.:10,000

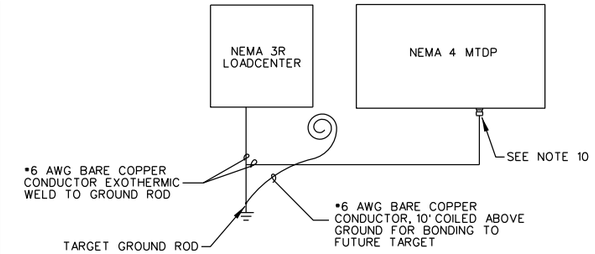
VOLTAGE: 240/120 PHASE: 1 WIRE: 3 RATING: NEMA 3R

LOAD SERVED	NO. POLES	TRIP AMPS	WIRE SIZE	VA/ PHASE A	VA/ PHASE B	CKT NO.	CKT. NO.	VA/ PHASE A	VA/ PHASE B	WIRE SIZE	TRIP AMPS	NO. POLES	LOAD SERVED
SURGE ARRESTOR	2	---	---	---		1	2	900		12	20	2	SAT - NEMA L14-20R
					---				900				
FEED THRU PROVISIONS	2	---	---	---		5	6	50		12	20	1	MR
						7	8		1000	12	20	1	2-NEMA L5-20R, DPR
				0	0			950	1900				

TOTAL VA PHASE: A: 950
TOTAL VA PHASE: B: 1900

TOTAL CONNECTED WATTAGE: 2850

SUPPLIED FROM: TRSF-XX

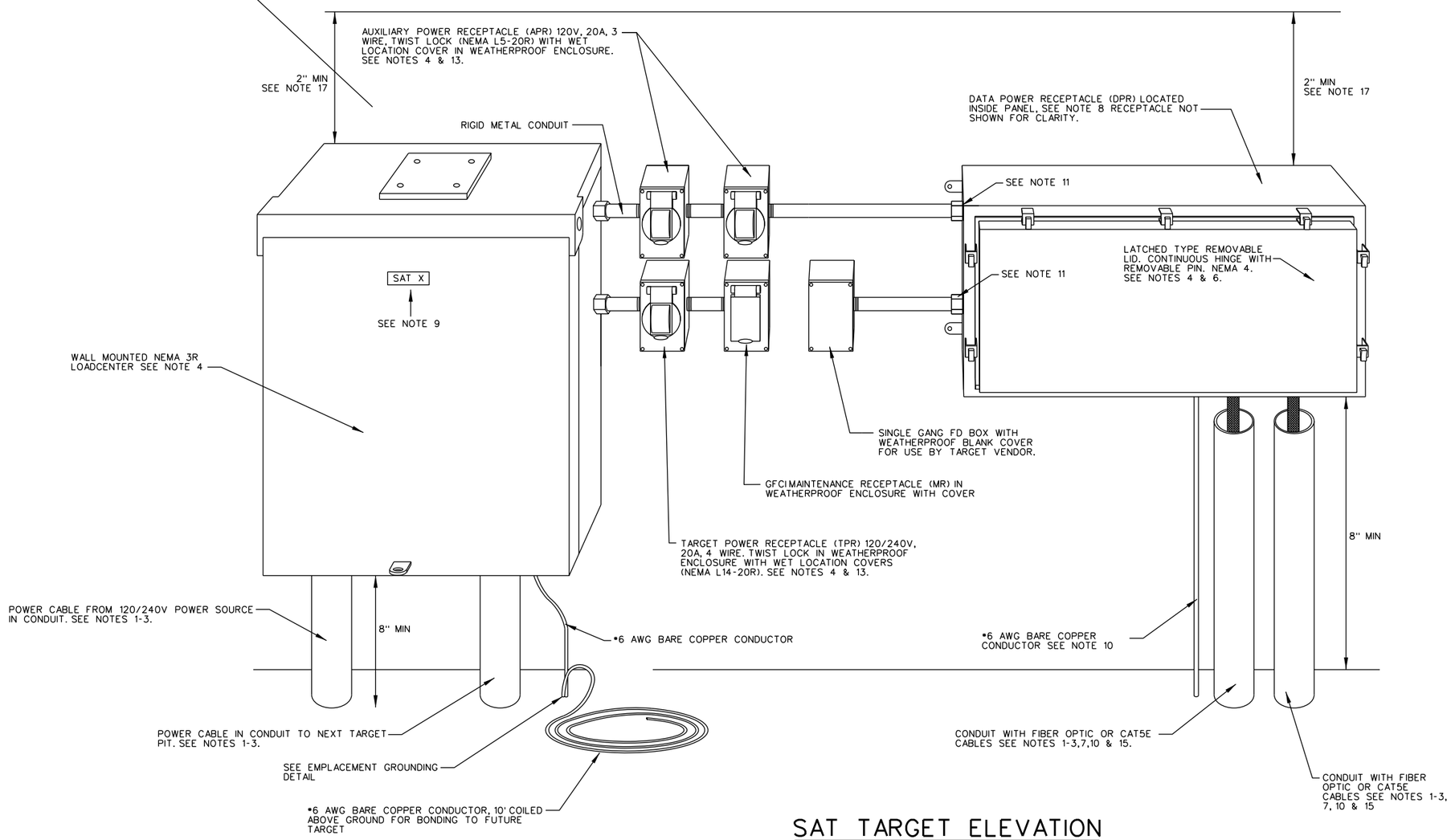


EMPLACEMENT GROUNDING DETAIL

SCALE: NOT TO SCALE

NOTES:

1. CONDUIT TO EXTEND 5 FEET BEYOND EMPLACEMENT.
2. CABLES/CONDUITS ARE ROUTED FROM SIDE OF BERM TO PREVENT CABLE DAMAGE DURING MAINTENANCE OF BERM.
3. ROUTE UNDER SLAB. POWER AND DATA INSTALLED IN SAME TRENCH.
4. EQUIPMENT SHALL NOT BE MOUNTED HIGHER THAN 2" FROM TOP OF EMPLACEMENT WALL.
5. FOR FLANK TYPE SAT TARGET INCREASE THE LENGTH OF GROUND CABLE TO 18 FT.
6. WHEN FIBER OPTIC CABLE IS NOT USED, 16"X12" TARGET DATA PANEL (TDP) CAN BE USED INSTEAD OF 24"X12" MASTER TARGET DATA PANEL (MTDP). FIBER PATCH PANEL IS NOT REQUIRED IN TDP.
7. THE ENDS OF THE CAT5E CABLES SHALL BE TERMINATED WITH A DATA SURGE PROTECTOR.
8. TPR, APR AND DPR SHALL NOT BE GFCI PROTECTED.
9. PERMANENTLY LABEL THE EMPLACEMENT ACCORDING TO THE CIVIL AND ELECTRICAL DESIGNATIONS.
10. PROVIDE SEAL FITTINGS AS SHOWN IN DETAIL ON SHEET ED-01 FOR ALL CABLE PENETRATIONS TO NEMA 4, 4X, OR 6P RATED ENCLOSURES.
11. INSTALL MYERS TYPE HUBS ON ALL CONDUIT PENETRATIONS TO SIDE OF ENCLOSURE.
12. ALL DIMENSIONS SHOWN IN INCHES UNLESS OTHERWISE NOTED.
13. PROVIDE TARGET AND AUXILIARY OUTLETS WITH NEMA 3R WET LOCATION COVERS MAKING OUTLETS SUITABLE FOR USE IN WET LOCATIONS. SEE DETAIL SHEET (ED-01) FOR WET LOCATION COVER. IN USE COVERS SUCH AS LEVITON M59X TYPE OUTLET COVER WILL NOT CLOSE OVER TARGET PLUG AND CORD AND ARE NOT ACCEPTABLE FOR TARGET POWER AND AUXILIARY RECEPTACLES.
14. DEVIATIONS TO THE EQUIPMENT SIZES, EQUIPMENT NUMBERS, RECEPTACLE COVERS, OR CABLE ENTRY METHODS INTO ENCLOSURES WILL REQUIRE RANGE TRAINING AND LAND PROGRAM HUNTSVILLE CENTER MANDATORY CENTER OF EXPERTISE APPROVAL.
15. CONDUIT STUBBED UP AS CLOSE TO CABLE SEAL FITTING AS POSSIBLE.
16. SEE SHEET ED-06 FOR ADDITIONAL INFORMATION ON TARGET DATA PANELS. SEE SHEET ED-07 FOR ADDITIONAL INFORMATION ON MASTER TARGET DATA PANELS.
17. PREFERRED MOUNTING HEIGHT IS AT THE MINIMUM MOUNTING HEIGHT SHOWN FOR EQUIPMENT INSTALLED ABOVE FINISHED GRADE IN THE TARGET ELEVATION.



SAT TARGET ELEVATION

SCALE: NOT TO SCALE

US Army Corps of Engineers

Rev.	Description	Date	Approved
Rev. *			

Designed by: Dwn by: Ckd by: Reviewed by: Submitted by: Date: Rev.
Design file no.
Drawing code:
File name:
Plot scale:
Plot date:

U. S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
HUNTSVILLE, ALABAMA

FEBRUARY 2016

RANGE AND TRAINING LAND PROGRAM
STANDARD DESIGN MANUAL

STATIONARY ARMOR TARGET
ELECTRICAL DETAILS

Sheet reference number:
ED-03
Sheet ___ of ___