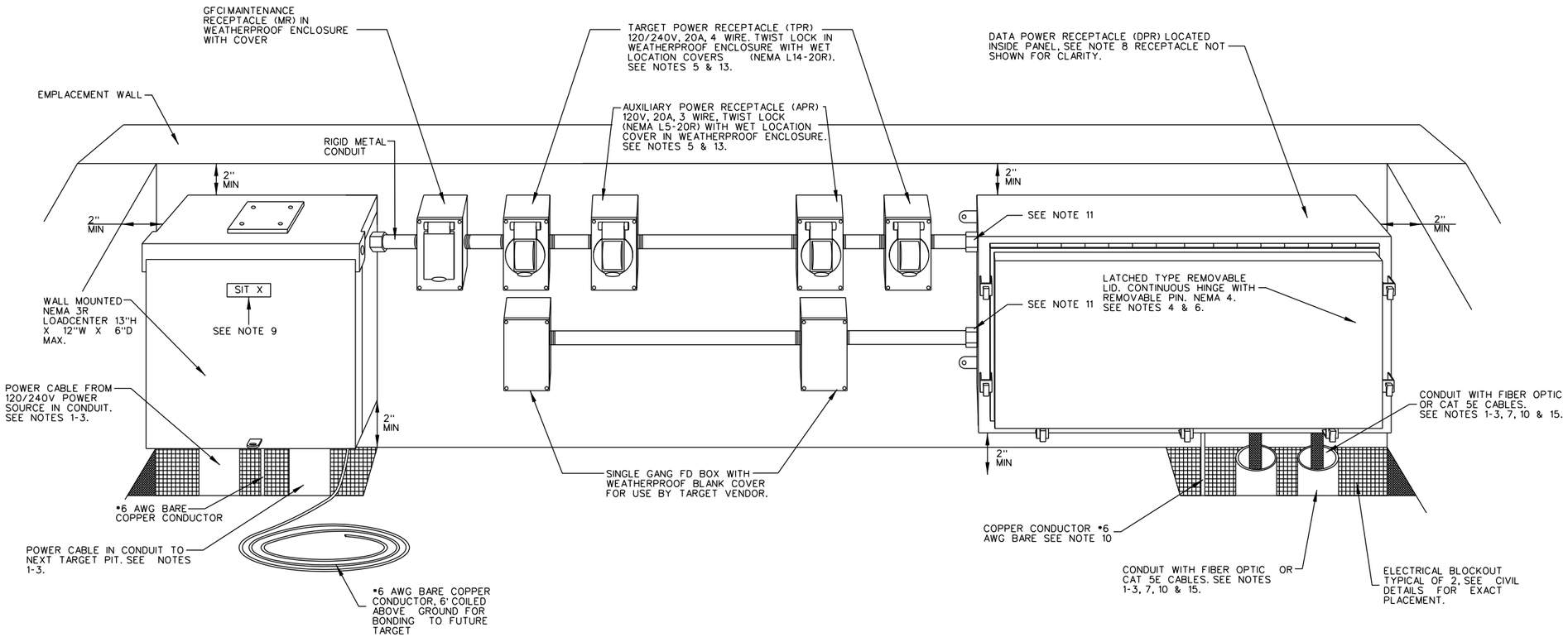
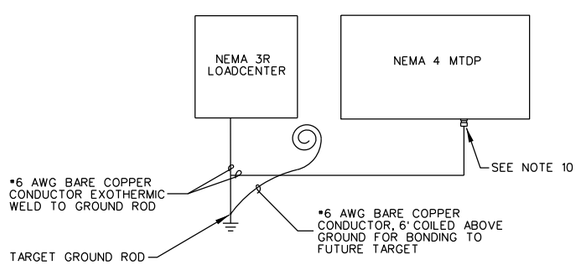


WIDENED SIT TARGET ELEVATION

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 DOUBLE SIT EMPLACEMENTS TWO TARGET LIFTING MECHANISMS MAY BE PROVIDED. DATA WILL BE PROVIDED FROM THE MTDP AND POWER WILL BE PROVIDED FROM ADDITIONAL EXTERIOR ENCLOSURES WITH A NEMA L14-20R AND TWO NEMA L5-20R RECEPTACLES FED FROM THE LOAD CENTER. MOUNT LOAD CENTER ON LEFT SIDE OF EMPLACEMENT AND MTDP ON THE RIGHT SIDE OF THE EMPLACEMENT. INSTALL ONE SET OF POWER OUTLETS NEXT TO LOAD CENTER AND ONE SET OF POWER OUTLETS NEXT TO MTDP.
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. WIRE THE DPR AHEAD OF THE GFCI MAINTENANCE RECEPTACLE TO AVOID NUISANCE TRIPPING.
9. PERMANENTLY LABEL THE EMPLACEMENT ACCORDING TO THE CIVIL AND ELECTRICAL DESIGNATIONS.
10. PROVIDE SEAL FITTINGS AS SHOWN IN CABLE SEAL FITTING DETAIL (SHEET ED-01) ON ALL CABLE ENTRANCES INTO 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.



EMPLACEMENT GROUNDING DETAIL

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	960	960	12	20	2	2-NEMA L14-20R 2-NEMA L5-20R, DPR
FEED THRU PROVISIONS	2	--	--	---		5	6	50		12	20	1	MR
						7	8		---	---	20	1	SPARE
				0	0			1010	960				

TOTAL VA PHASE: A: 1010
TOTAL VA PHASE: B: 960

TOTAL CONNECTED WATTAGE: 1,970
95% DEMAND WATTAGE: 1,872

SUPPLIED FROM: TRSF-XX TOTAL DEMAND AMPS: 8

GENERAL NOTE:

THIS EMPLACEMENT DETAIL PERTAINS TO WIDENED SIT EMPLACEMENTS THAT HOUSE TWO SEPARATE TARGET MECHANISMS.

US Army Corps of Engineers

Rev.	Description	Date	Approved
*			

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

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

JUNE 2015

RANGE AND TRAINING LAND PROGRAM
STANDARD DESIGN MANUAL

WIDENED STATIONARY INFANTRY TARGET
ELECTRICAL DETAILS

Sheet reference number:
ED-1A

Sheet ___ of ___