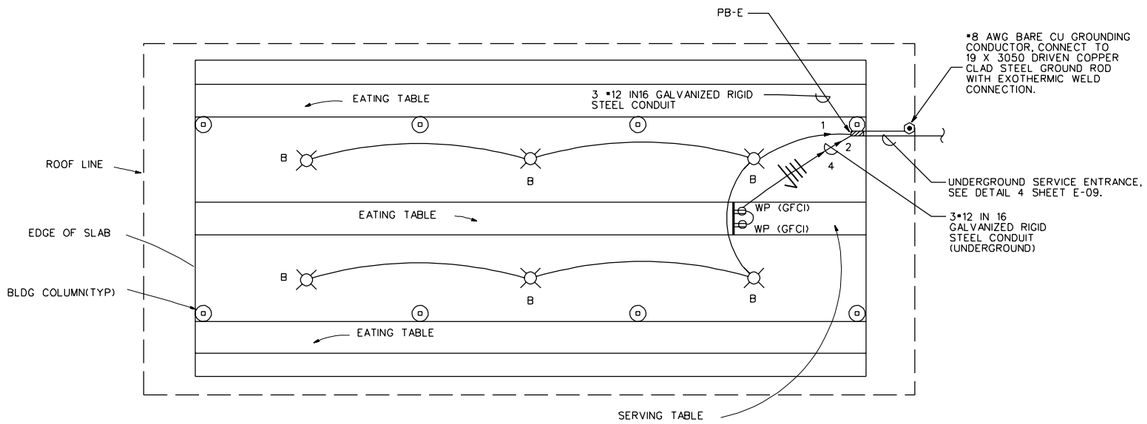


COVERED MESS ELECTRICAL PLAN

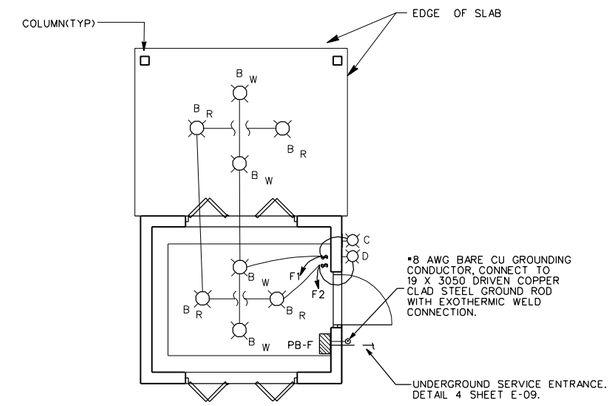
SCALE : N.T.S.

GRAPHIC SCALE

1:50 1000 500 0 1000 2000

PANELBOARD PB-E SCHEDULE (AMMO)													
60A MAIN BREAKER, 60A MAIN BUS, 120/240V, 1 PHASE, 3 WIRE, 10 KAIC MINIMUM, SURFACE MOUNT													
LOAD SERVED	LOAD (VA) A	LOAD (VA) B	BKR. TRIP	WIRE SIZE	CKT. NO.	PHASE A	PHASE B	CKT. NO.	WIRE SIZE	BKR. TRIP	LOAD (VA) A	LOAD (VA) B	LOAD SERVED
LIGHTS	900		20	12	1			2	12	20	1000		RECEPTACLE
SPARE		500	20		3			4	12	20		1000	RECEPTACLE
SPACE					5			6					SPACE
SPACE					7			8					SPACE
TOTAL	900	500									1000	1000	TOTAL
TOTAL CONNECTED VA A: 1900 B: 1500													

CONNECTED: 3400VA
CONTINUOUS A: 29 A



AMMO BREAKDOWN BLDG PLAN - ELECTRICAL

SCALE: 1:50

GRAPHIC SCALE

1:50 1000 500 0 1000 2000

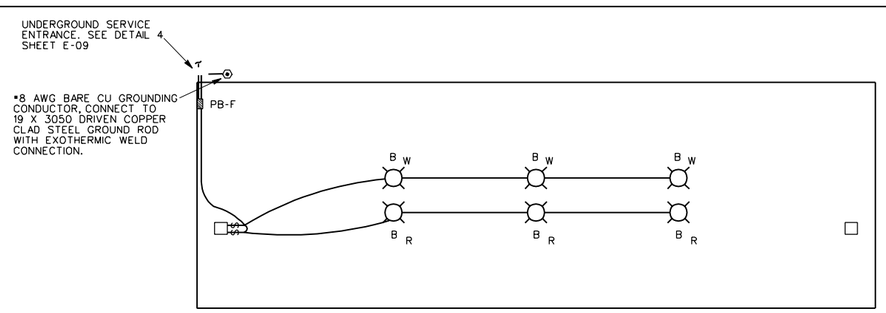
PANELBOARD PB-F SCHEDULE (AMMO)													
60A MAIN BREAKER, 60A MAIN BUS, 120/240V, 1 PHASE, 2 WIRE, 10 KAIC MINIMUM, SURFACE MOUNT													
LOAD SERVED	LOAD (VA) A	LOAD (VA) B	BKR. TRIP	WIRE SIZE	CKT. NO.	PHASE A	PHASE B	CKT. NO.	WIRE SIZE	BKR. TRIP	LOAD (VA) A	LOAD (VA) B	LOAD SERVED
LIGHTS (RED)	750		20	12	1			2	12	20	618		LIGHTS (WHITE)
SPARE		400	20		3			4		20		400	SPARE
SPACE					5			6					SPACE
TOTAL	750	400									618	400	TOTAL
TOTAL CONNECTED VA A: 1368 B: 800													

CONNECTED: 2168 VA
CONTINUOUS A: 18 A

DEMAND: 2168 VA

NOTE:

1. ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. DELETE RED LIGHTS FOR RANGES NOT USED FOR NIGHT FIRING.



BLEACHER ENCLOSURE LIGHTING PLAN

SCALE : N.T.S.

PANELBOARD PB-F SCHEDULE (BLEACHER)													
60A MAIN BREAKER, 60A MAIN BUS, 120, 1 PHASE, 2 WIRE, 10 KAIC MINIMUM, SURFACE MOUNT													
LOAD SERVED	LOAD (VA) A	LOAD (VA) B	BKR. TRIP	WIRE SIZE	CKT. NO.	PHASE A	PHASE B	CKT. NO.	WIRE SIZE	BKR. TRIP	LOAD (VA) A	LOAD (VA) B	LOAD SERVED
LIGHTS (RED)	450		20	12	1			2	12	20	450		LIGHTS (WHITE)
SPARE		400	20		3			4		20		400	SPARE
SPACE					5			6					SPACE
TOTAL	450	400									450	400	TOTAL
TOTAL CONNECTED VA A: 900 B: 800													

CONNECTED: 1700 VA
CONTINUOUS A: 14 A

DEMAND: 1700 VA

BLEACHER ENCLOSURE NOTES:

1. LIGHTS SHALL ONLY BE PROVIDED FOR BLEACHER ENCLOSURE AT LOCATIONS WHERE NIGHT FIRING WILL OCCUR.

US Army Corps of Engineers

Symbol	Description	Date	Approved	Symbol	Description	Date	Approved

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

FORCE XXI/FORCE MODERNIZATION PROGRAM
STANDARD DESIGN

AMMO BREAKDOWN BLDG., BLEACHER ENCLOSURE, AND COVERED MESS

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E-16
Sheet of