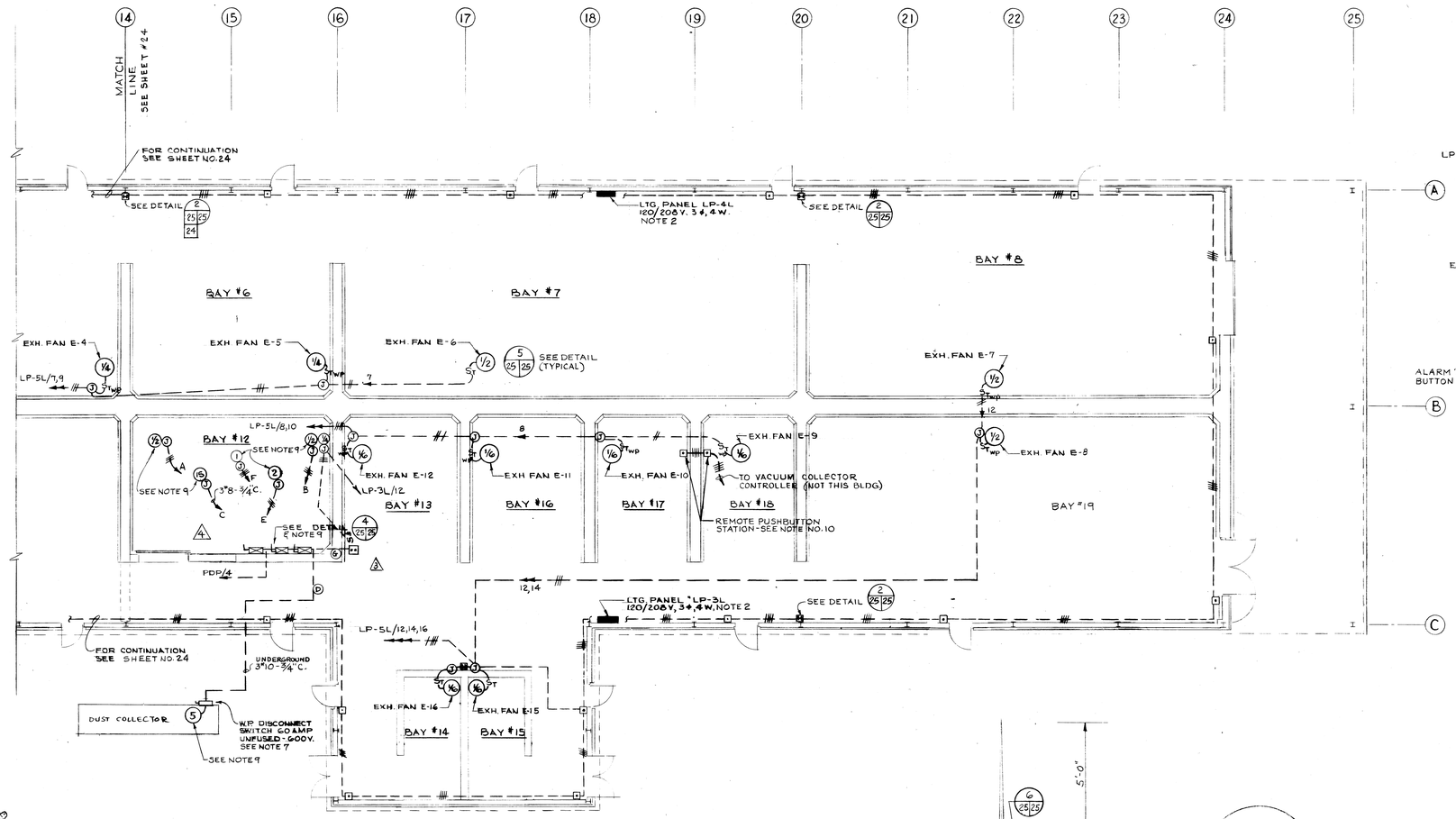
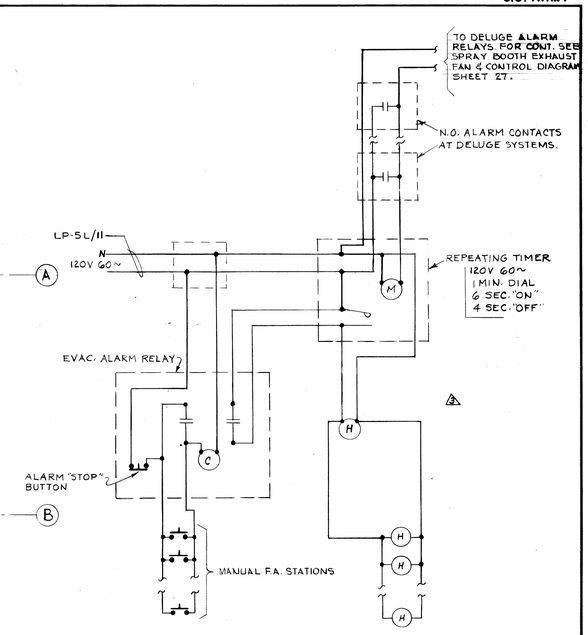
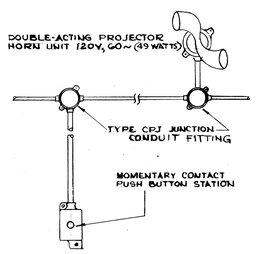




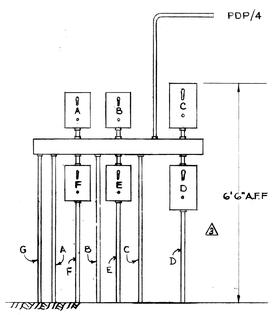
EVACUATION & DELUGE ALARM 4



EVACUATION ALARM 3

DETAIL 2/24/25/25

N.T.S.



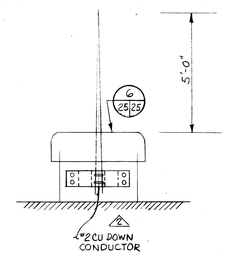
LEGEND 4

1 A - 1/2 HP DRIVE	- 1/2"C
1 B - 1/2 HP DRIVE	- 1/2"C
C - 15 HP MOTOR	- 3/4"C
D - 5 HP DUST COLL.	- 3/4"C
E - 2 HP DRIVE	- 1/2"C
F - 1 HP ELEV.	- 1/2"C
G - CONTROL STATION BAY #13	- 3/4"C

ABRASIVE BLAST MACHINE CONTROL MOUNTING

DETAIL 4/25/25 4

N.T.S.

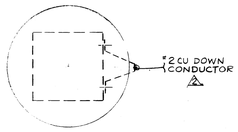


AIR TERMINAL AT VENTILATORS

DETAIL 5/22/25/23/24/25

(SIZE VARIES)

N.T.S.



DETAIL 6/25/25

NOTES:

1. FOR LEGEND & NOTES SEE SHEET NO. 23
2. FOR LOW VOLTAGE LTG. PANELBOARD SCHEDULE SEE SHEET NO. 23
3. GROUNDING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE NATIONAL ELECTRIC CODE.
4. SEE DWGS. OF RESPECTIVE BUILDINGS FOR LOADS, SIZES OF FEEDERS TO BE DETERMINED DURING SITE ADAPTION AND PANELBOARD SCHEDULE COMPLETION
5. FOR CONDUCTOR & CONDUIT SIZES - SEE PANELBOARD SCHEDULE - THIS SHEET.
6. FOR LIGHTNING PROTECTION AT EXHAUST AIR VENTILATORS, SEE TYPICAL DETAIL - THIS SHEET.
7. MOTOR HP, CIRCUIT BREAKER RATINGS, WIRING & CONDUIT SIZES ARE FOR REFERENCE ONLY. ACTUAL SIZES SHALL BE VERIFIED FOR EQUIPMENT FURNISHED.
8.
9. ELECTRICAL EQUIPMENT SHALL BE PROVIDED UNDER "SECTION ABRASIVE BLAST MACHINE."
10. ELECTRICAL EQUIPMENT SHALL BE PROVIDED UNDER "SECTION VACUUM COLLECTION SYSTEM."

CONDUCTOR SIZES SHOWN ARE BASED ON USE OF COPPER. EQUIVALENT ALUMINUM CONDUCTORS MAY BE USED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE. 3

COPPER	ALUMINIUM
3 #6 , 1" C.	3 #4 , 1 1/4" C.
4 #4 , 1 1/2" C	4 #2 , 2" C
4 #2 , 2" C	4 #1/0 , 2" C
4 #1/0 , 2" C	4 #3/0 , 2 1/2" C
3 - 500 mcm , 3" C	3 - 750 mcm , 3 1/2" C
4 - 500 mcm , 3 1/2" C	4 - 750 mcm , 3" C

GRAPHIC SCALE:

1/8" = 1'-0"

4 5 PANELBOARD SCHEDULE

PANEL	MAIN	CKT NO	POLES	FRAME	TRIP	LOAD	FEEDER	CONDUIT	REMARKS
POWER DISTR. PANEL "PDP"	600 AMP 3 ϕ, 4 W 480/277 V	1	3	225A	200A	COMP. 75 HP	3 #1	1 1/2"	
		2	3	225A	200A	COMP. 75 HP	3 #1	1 1/2"	
		3	3	100A	30A	2 CONVEYORS 2-5 HP	3 #12	1/2" C.	
		4	3	100A	70A	ABRASIVE BLAST & DUST COL	3 #6	1" C.	
		5	3	225A	150A	LP-1H	4 #1/0	2"	
		6	3	100A	50A	BLOWER EXH. 15 & 3/4 HP	3 #10	3/4" C.	
		7	3	100A	70A	BLOWER EXH. 20 & 3/4 HP	3 #8	3/4" C.	
		8	3	100A	50A	ROOF VENT 15 HP	3 #10	3/4" C.	
		9	3	100A	30A	PAINT BOOTH & MONO. 3-3 HP	3 #10	3/4" C.	
		10	3	225A	–				SPACE ONLY
		11	3	100A	–				SPACE ONLY
		12	3	100A	–				SPACE ONLY
LOW VOLTAGE DISTRIBUTION PANEL "LVDP"	400 AMP 3 ϕ, 4 W 120/208 V	1	3	100A	70A	LP-1L	4 #4	1 1/2" C	
		2	3	100A	100A	LP-2L	4 #2	2" C	
		3	3	100A	100A	LP-3L	4 #2	2" C	
		4	3	100A	100A	LP-4L	4 #2	2" C	
		5	3	225A	150A	LP-5L	4 #1/0	2" C	

SYMBOL	DESCRIPTION	DATE	APPROVAL
4	REV. PANELBOARD SCHED., DET. 4-25-25, NOTE 2, EVAC. & DELUGE ALARM, AND BAYS 12-13 WIRING.	22 AUG 68	
3	REV. PANELBOARD SCH., PANEL CALLOUT, REV. EVAC. & DELUGE ALARM, & EVAC. ALARM DETAIL, ADD SCHEDULE & STARTER FOR DEFLECTOR MOTOR		
2	MOD CONDUCTORS DELETED NOTE 8	30 OCT 66	
1	REV. HP. RATING ON DRIVE UNITS, DETAIL 4	8/22/66	

REVISIONS

AMMANN & WHITNEY
CONSULTING ENGINEERS
111-8TH AVENUE, NEW YORK, N.Y.

DEPARTMENT OF THE ARMY
OFFICE OF THE CHIEF OF ENGINEERS
MILITARY CONSTRUCTION - ENGINEERING DIVISION
WASHINGTON, D.C.

DRAWN BY: G.H.
TRACED BY: G.H.
CHECKED BY: F.B.
SUBMITTED BY: AMMANN & WHITNEY

AMMUNITION MAINTENANCE FACILITY

AMMUNITION MAINTENANCE BUILDING

POWER DISTRIBUTION & EQUIPMENT ELECTRICAL

APPROVED: DATE: 18 JULY 1968
CHIEF, UTILITIES BRANCH — CHIEF, ENGINEERING DIVISION, MIL. CONSTR. O.C.E.

APPROVED FOR

DATE:

SCALE: 1/8" = 1'-0" SPEC. NO. 15-05-120-69-3

DRAWING NUMBER 35-69-00

SHEET 25 OF 45