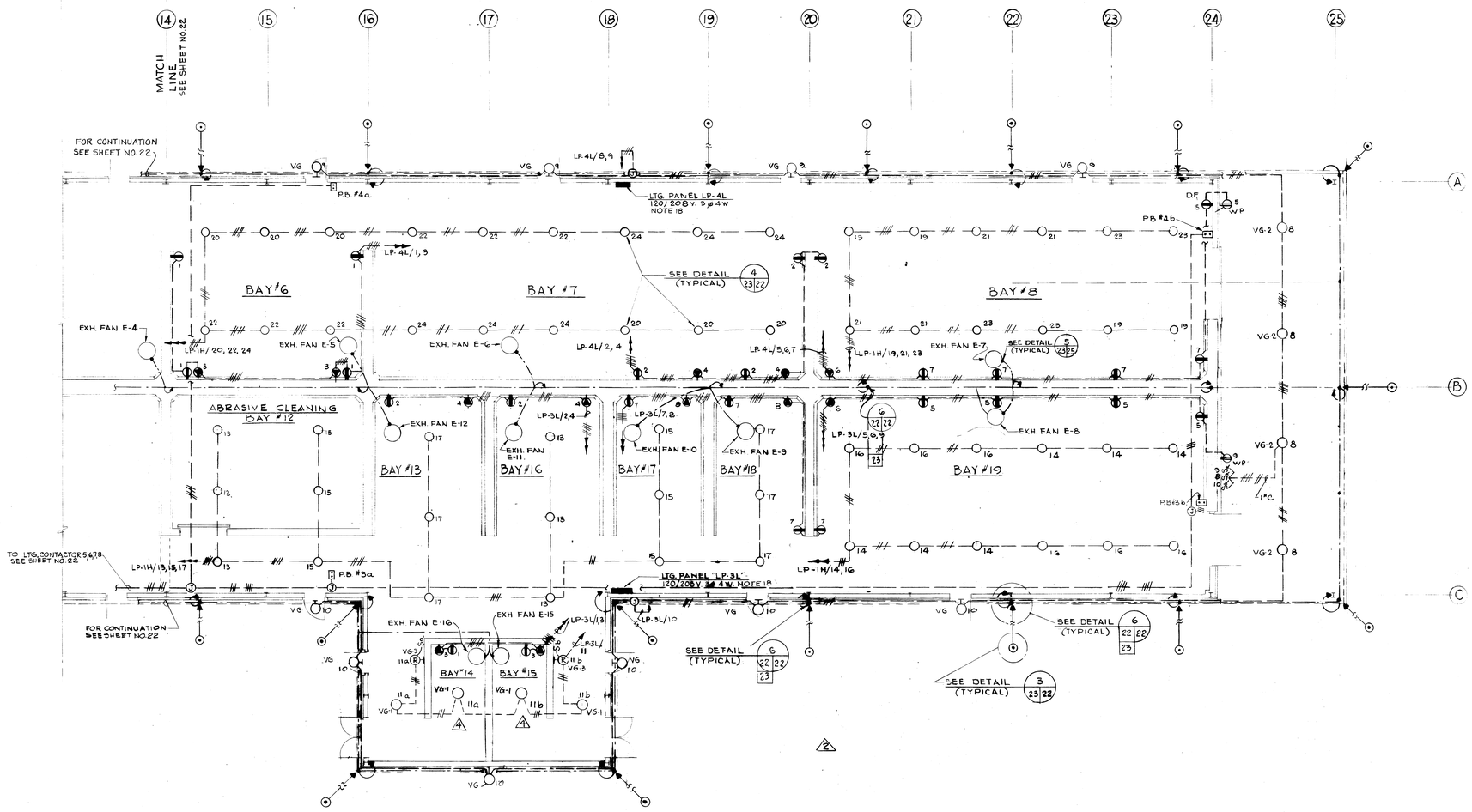

NOTES:

1. WIRING AND EQUIPMENT IN ALL BAYS TO BE CLASS II, DIV. 1, EXCEPT AS NOTED IN NOTES 2 & 3.
2. WIRING AND EQUIPMENT IN BAYS 4 & 11 TO BE CLASS I, DIV. 1, GROUP D.
3. ALL EXTERIOR EQUIP. SHALL BE WEATHERPROOF. WIRING IN BAY 20 SHALL BE GENERAL PURPOSE.
4. FOR POWER CONVEYOR CONTROL AND WIRING DETAILS SEE DWG. "POWER CONVEYOR", SHEET NO. 40
5. FOR SPRAY BOOTH WIRING SEE DWG. 35-69-09 SHEET NO. 27.
6. A MAXIMUM GROUND RESISTANCE OF 10 OHMS MUST BE ESTABLISHED. IF REQUIRED, ADD. GROUND RODS, NOT LESS THAN 10'-0" APART, MUST BE DRIVEN TO OBTAIN THIS VALUE.
7. ALL WALLS & PARTITIONS, EXCEPT BAY 20, ARE TO BE EQUIPPED WITH STATIC GROUNDING BUS. MAX. GROUND RESISTANCE OF 10 OHM MUST BE ESTABLISHED. BUSSES TO BE LOCATED 42" ABOVE FINISHED FLOOR. SEE DETAILS FOR MOUNTING METHODS, SHEET NO 24. ON EXTERIOR STEEL WALLS, BUS WILL BE LOCATED ON HORIZ. SURFACE OF CONCRETE CURB & WILL BE CONNECTED WITH NO. 2 AWG. CONDUCTOR, TO STEEL COLUMNS HAVING EXTERIOR GROUND ROD CONNECTION. BUSSES ON INTERIOR PARTITIONS & EXTERIOR MASONRY WALLS WILL BE CONNECTED WITH NO. 2 AWG CONDUCTOR TO STEEL COLUMNS HAVING EXTERIOR GROUND ROD CONNECTION. CONNECTION FROM BUS TO GROUNDED COLUMN SHALL BE PROVIDED FOR EA. 100-FT. LENGTH OF BUS OR MAJOR FRACTION THEREOF. SEE SPECS. FOR TYPES OF CONNECTIONS.
9. WIRING FOR FRACT. H.P. EXHAUST FANS TO BE RUN EXPOSED ON ROOF TO MECH. & ELECT. EQUIPMENT ROOM.
11. FOR LIGHTNING PROTECTION DETAILS REFER TO DWG. NO. 35-69-09 SHEET 22 & 25.
12. ALL CONDUITS SHALL BE SIZED IN ACCORDANCE WITH THE N.E.C. MINIMUM SIZE CONDUIT SHALL BE ½"
13. ALL WIRES SHALL BE #12 AWG UNLESS OTHERWISE INDICATED.
14. PROVIDE SEALING FITTINGS AT ALL POINTS WHERE CONDUITS ENTER OR LEAVE HAZARDOUS AREAS.
15. ALL FIXTURES ON THIS DWG. SHALL BE TYPE "A" UNLESS OTHERWISE NOTED.
16. PROVIDE 2'-0" AIR TERMINALS 15'-0" OVER PAINT SPRAY AREA FORCED DRAFT VENTILATOR OPENINGS. SEE NOTE 11.
17. PROVIDE 5'-0" AIR TERMINALS OVER EACH FORCED DRAFT VENTILATOR OPENING. SEE NOTE 11.
18. FOR CONDUCTOR & CONDUIT SIZES - SEE PANELBOARD SCHEDULE, SHEET 25
19. CIRCUIT NUMBERS ARE FOR IDENTIFICATION ONLY. MULTIPLE PHASE WIRES USED WITH COMMON NEUTRAL SHALL NOT BE CONNECTED TO A COMMON PHASE

PANELBOARD SCHEDULE — 3ø 4 WIRE

PANEL	MAINS	CKT. NO.	POLES	FRAME	TRIP	LOAD	REMARKS
LP-1H NEMA 1 ENCL.	225 AMP 3ø 4 WIRE 480/277V	1, 3, 5	1	100A	20A	MERCURY LIGHTING	CONTACTOR NO. 1 } CONTROL
		2, 4, 6					2 } CKT. NO. 25
		7, 9, 11					CONTACTOR Nº 3 } CONTROL
		8, 10, 12					" 4 } CKT. NO. 26
		13, 15, 17					5 } CONTROL
		14, 16					6 } CKT NO. 27
		18				SPARE	
		19, 21, 23				MERCURY LIGHTING	7 } CONTROL
		20, 22, 24				" "	8 } CKT. NO. 28
		25 TO 28				CONTACTOR CONTROL CKTS.	
		29 TO 36				SPARES	
LP-1L NEMA 9 ENCL.	100 AMP 120/208V 3ø 4W	1, 2, 3, 6	1	100A	20A	RECEPTACLES 110V	8 CKT 1P. ACTIVE; 2 " 3P " ; 7 " 1P SPARE; 1 " 3P "
		4, 5	3			" 208V	
		7, 8, 9, 10	1			LIGHTING	
LP-2L NEMA 9 ENCL.	100 AMP 120/208V 3ø 4W	1, 2, 3, 7, 8	1			RECEPTACLES 110V	10 CKT. 1P. ACTIVE; 4 " 3P. " ; 3 " 1P SPARE; 1 " 3P "
		4, 5, 6, 9	3			" 208V	
		10, 11, 12, 13, 14	1			LIGHTING	
LP-3L NEMA 9 ENCL.	100 AMP 120/208V 3ø 4W	1, 2, 5, 7, 9	1			RECEPTACLES 110V	8 CKT 1P. ACTIVE; 4 " 3P " ; 5 " 1P SPARE; 1 " 3P "
		3, 4, 6, 8	3			" 208V	
		10, 11, 12	1			LIGHTING & MOTOR	
LP-4L NEMA 9 ENCL.	100 AMP 120/208V 3ø 4W	1, 2, 5, 7,	1			RECEPTACLES 110V	6 CKT 1P ACTIVE; 3 " 3P " ; 4 " 1P SPARE; 1 " 3P "
		3, 4, 6,	3			" 208V	
		8, 9	1			LIGHTING	
LP-5L NEMA 1 ENCL.	225 AMP 120/208V 3ø 4W	1-10	1			EXHAUST FANS	22 CKT 1P. ACTIVE; 3 " 2P " ; 4 " 3P " ; 2 " 1P SPARE
		12, 14, 16	1			" "	
		11	1			EVACUATION ALARM	
		13	1			TOILETS LTG. & EXH. FAN	
		15, 17	1			SPARES	
		18, 20	1			BASEBOARD HTR. #1 & 2	
		19, 21	1			LTG. & RECEPT. MECH. RM.	
		22	1			AIR COMPRESSOR, & UNIT HTR.	
		23	1			OUTSIDE LTG.	
		24	1			H.W. PUMP #3, WATER CIRC. PUMP #1	
		25	3			HOT WATER PUMP #1	
		26	3			" " " #2	
		27	3			OIL PUMP #2 & 3	
		28	2			OIL HEATER #3	
		29	2		20	" " #1 & 2	
		30	3		20	BLOWER OIL HEATER	
		31	2		20	E.W.H. (TOILET)	

SYMBOLS

- CEILING OUTLET. SEE FIXTURE SCHEDULE
- WALL BRACKET SEE FIXTURE SCHEDULE
- JUNCTION BOX
- DUPLEX CONVENIENCE OUTLET 110 V. 2W. 3P. 15 A. GROUNDING, 4'-0" UP ABV. FIN. FLOOR
- SINGLE RECEPTACLE, 20A, 125V, 3P. 2W. GROUNDING, EXPLOS.-PROOF, 4'-0" UP
- SINGLE RECEPTACLE, 20A, 3P, 3W, 250V, GROUNDING, EXPLOS.-PROOF, 4'-0" UP
- BRANCH CIRCUIT, EXPOSED.
- LIGHTNING CONDUCTOR #2 BARE COPPER UNLESS OTHERWISE NOTED
- HOME RUN TO PANEL BOARD. NUMBER OF CIRCUITS INDICATED BY NUMBER OF ARROWS.
- LIGHTING PANEL.
- LIGHTING CONTROL PUSH BUTTON
- COPPER CLAD STEEL GROUND ELECTRODE 10'-0"
- AIR TERMINAL
- CONNECTION OF #2 BARE COPPER CONDUCTOR TO REINFORCING STEEL AT ROOF PEAK AND COLUMNS AT EXTERIOR WALLS.
- MOTOR. (NUMERAL INDICATES MOTOR H.P.)
- COMBINATION CIRCUIT BREAKER & MOTOR STARTER
- S — SINGLE POLE SWITCH.
- S_T — FRACTIONAL H.P. MANUAL MOTOR STARTER (SEE MECH. SPECS)
- S_K — KEY OPERATED SWITCH, WEATHERPROOF.
- SINGLE RECEPTACLE, 20A, 250V, 3P, 2W, GROUNDING, WITH MATCHING PLUG
- W.P. — WEATHER PROOF.
- EVACUATION ALARM HORN.
- EVACUATION ALARM PUSHBUTTON, MOMENTARY CONTACT

FIXTURE SCHEDULE

TYPE	LAMP SIZE	SYMBOL	DWG. 40-06-04
A	400 WATTS. MERCURY		SEE DETAIL SHEET 22
VG-2	200 WATTS. INCANDESC	VG-2	10
VG-4	200 WATTS "	VG	11
I-2	150 WATTS "	I2	3
R-2	100 WATTS "	R2	26
VG-3	100 WATTS " WITH RED GLASS GLOBE	R	11
VG-1	100 WATT INCANDESC.	VG-1	10

GRAPHIC SCALES

1/8" = 1'-0"

SYMBOL	DESCRIPTION	DATE	APPROVAL
4	REV. NOTES & PANELBOARD SCHEDULE; RELOC. FIXTURES IN BAYS 14, 15.	22 AUG 68	
3	REV. SYMBOLS; PANELBOARD SCHED.; NOTES 1, 3, 7, 9, 15; DEL. NOTE 8. GEN'L REV. OF BRANCH WIRING & RECEPTS.	22 AUG 68	
2	LAYOUT OF LIGHTNING PROT. & SYMBOLS MOD.	20 JUN 66	
1	ADDED NOTE 19	8/22/66	

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SUBMITTED BY: AMMANN & WHITNEY

AMMUNITION MAINTENANCE FACILITY

AMMUNITION MAINTENANCE BUILDING

LIGHTING & MISC. LAYOUT ELECTRICAL

APPROVED: CHIEF, UTILITIES BRANCH
APPROVED: CHIEF, ENGINEERING DIVISION, MIL. CONSTR. O.C.E.
DATE: 18 JULY 1966

APPROVED FOR
DATE:

SCALE: 1/8" = 1'-0"
SPEC. NO. 15-08-324-66-C
DRAWING NUMBER 35-69-09
SHEET 23 OF 45