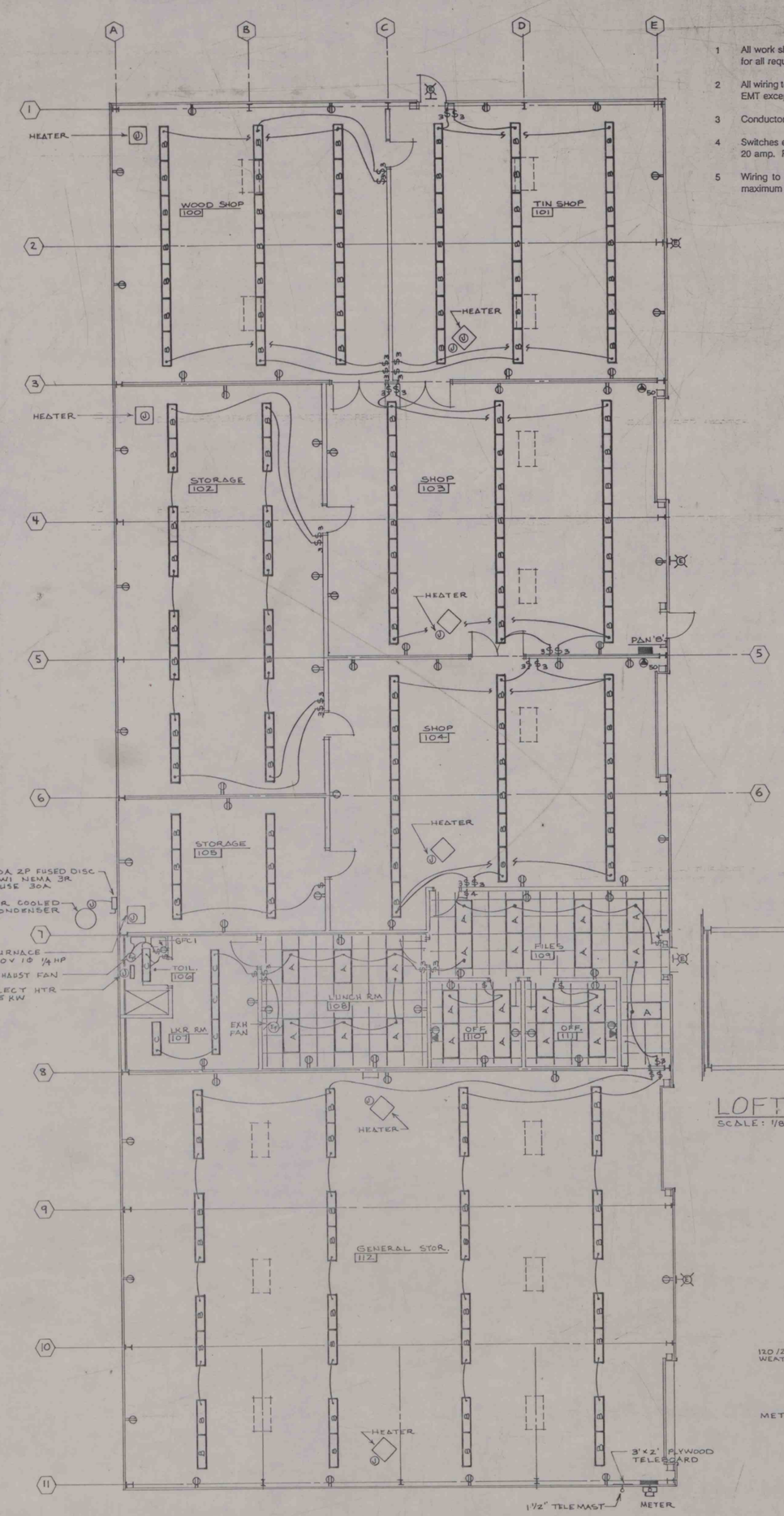


ELECTRICAL NOTES

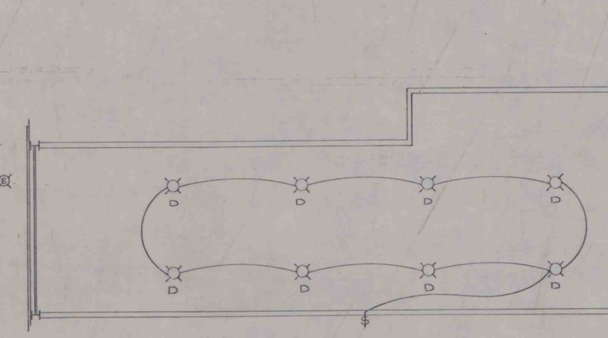
1. All work shall conform to the requirements of the National Electrical Code. Obtain and pay for all required certificates and permits.
2. All wiring to be in conduit, either electrical metallic tubing (EMT) or rigid heavy wall steel. Use EMT except in underground, exterior, weatherproof areas or in concrete walls.
3. Conductors shall be type THW or THHN copper as required #12 AWG minimum size.
4. Switches equal to Hubbell 1221, 1223, and 1224 series. Duplex receptacles Hubbell #5352, 20 amp. Provide thermal plastic plates.
5. Wiring to devices and light fixtures to be arranged to contain no more than 1600 watts maximum per circuit and no more than three receptacles per circuit.

ELECTRICAL SYMBOLS

- FLUORESCENT LIGHT FIXTURE
- LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- SINGLE POLE SWITCH
- THREE WAY SWITCH
- FOUR WAY SWITCH
- DUPLEX RECEPTACLE
- GFCI — DUPLEX GROUND FAULT CIRCUIT INTERUPTING RECEPTACLE
- SPECIAL OUTLET - TYPE AS NOTED ON PLAN. (250V, 2P, 3W GROUNDING RECEPTACLE - NEMA 6 - 50)
- JUNCTION BOX
- TELEPHONE OUTLET MOUNTED AT 18" AFF.
- EXHAUST FAN
- DISCONNECT SWITCH
- NEC — NATIONAL ELECTRICAL CODE

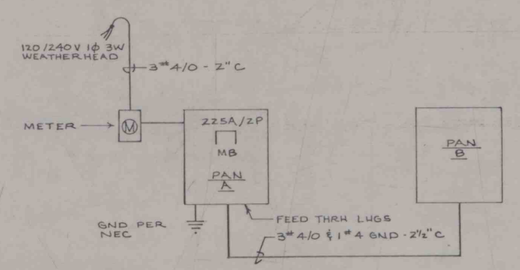
ELECTRICAL FLOOR PLAN

1/8" = 1'-0



LOFT STORAGE LIGHTING PLAN

SCALE: 1/8"=1'-0"



POWER RISER

NOT DRAWN TO SCALE

NOTES:

A. Panels to be equal to Square D type NQOD with full compliment of 20 amp, 1 pole, QOB bolt-on circuit breakers, copper bus and ground bar, with 42 poles rated at 120/240 volt, 1 Phase 225 amp,bus. Provide one 30 amp, 2 pole breaker for air conditioning condenser.

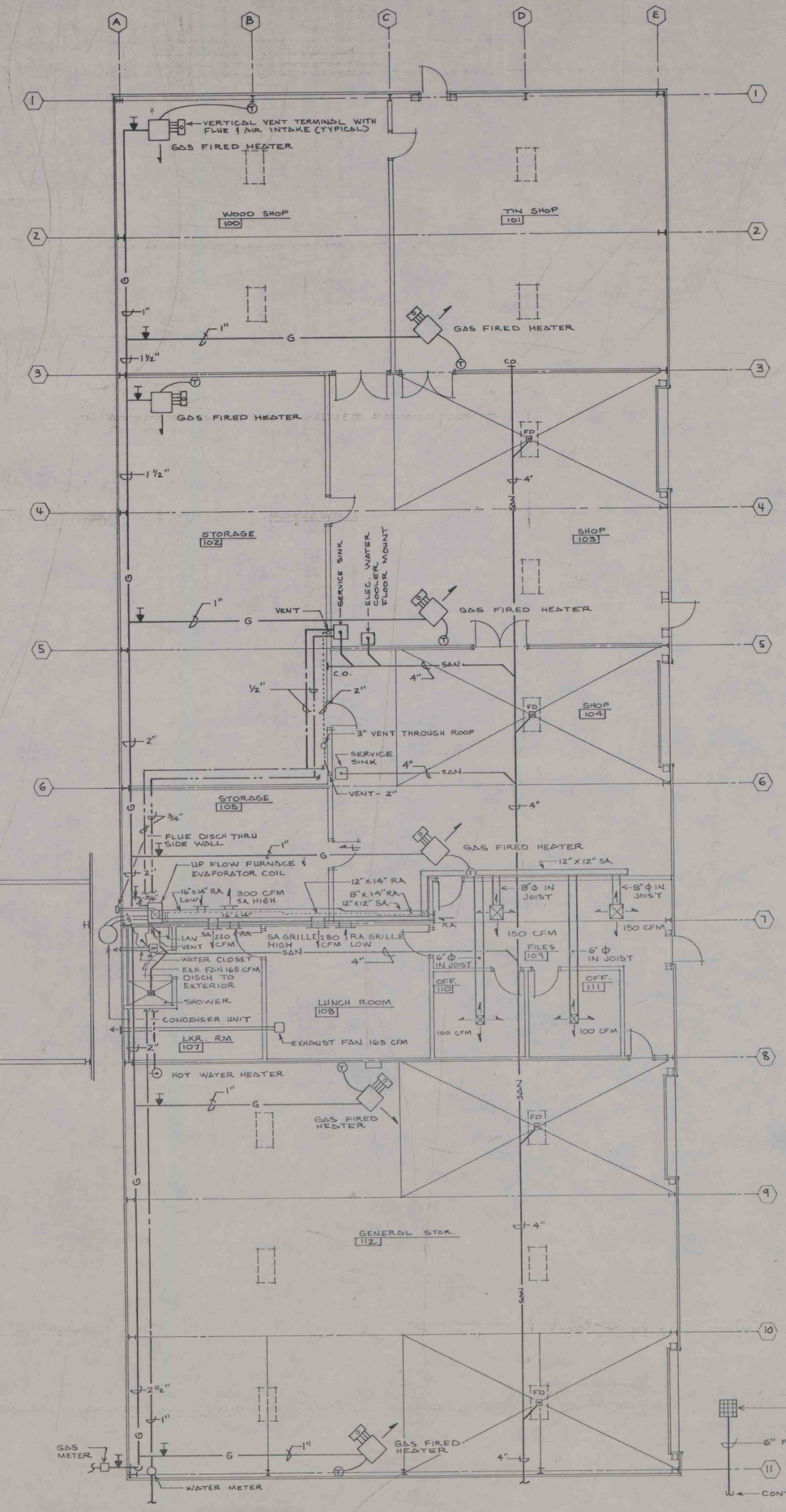
B. Panel 'A' to have 225 amp, 2 pole main breaker type O2 with through feed lugs, 42 poles. Provide one 30 amp, 2 pole breaker for air conditioning condenser.

C. Panel 'B' to have 42 poles with main lugs only. Provide two 50 amp, 2 pole breakers for two 50 amp welder receptacles.

LIGHTING FIXTURE SCHEDULE

FIXT	MANUFACT.	MANUFACT. NUMBER	MOUNTING	LOCATION	WATTS	LAMP I	LAMP F	LAMP MH	LAMP HS	LAMP DESCRIPTION	REMARKS
A	LITHONIA	2GT240A12.125120ES	RECESSED	OFFICE	100		2			F40T12CW	
B	LITHONIA	EJA240120ESHG	CHAIN	VARIES	100		2			F40T12CW	Chain Hung Approx. 12" Below Purlins
C	LITHONIA	WA240A120 ES SR	SURFACE	VARIES	100		2			F40T12CW	
D	PROGRESS	P5791-68/P8601	SURFACE	LOFT	150	1				150WA21	
E	HUBBELL	NRG-301467F-PO	WALL	EXTERIOR	50				1	B17/PS	Mount 8'-0" to Bottom

- + — + — HIGH PRESSURE SODIUM
- + — + — METAL HALIDE
- + — + — FLUORESCENT
- + — + — INCANDESCENT



MECHANICAL CONSTRUCTION NOTES

1. Gas fired heaters shall be rated 125,000 BTU input natural gas, 120 volt motor Reznor Model SCA-125 with separated combustion. Provide an approved vertical vent terminal for extending flue and combustion air intake through the roof. Provide 6" diameter 22 gauge flue pipe and 6" diameter combustion air pipe, concentric adaptor and all flashing. Furnish with low voltage thermostat including summer winter switch and relay - Option BF2.
2. Upflow furnace shall be rated 60,000 BTU input, 1300 CFM at 0.2" s.p. with nominal 3 tons of cooling. Furnace to be Comfortmaker Model CGUA 060A A012. Condenser to be Comfortmaker Model CADD36G, 240 volt 1 phase with Comfortmaker Model U36A15 evaporator coil. Furnish 3" metal fab plexvent flue out through sidewall elbowed down and 3" intake for fresh air.
3. Exhaust fan to be Penn Zephyr Z8, 165CFM at 0.25" S.P., complete with grille, ductwork and wall discharge cap.
4. Hot water heater, gas fired, 40 gallon, 37,000 BTU input equal to Rheem Model 21V405-3.
5. Lavatory - Eljer Delywn #051-1644 with #804-1185 trap, #802-0325 supply pipe, #803-0562 tailpiece and strainer, floor mounted concealed carrier Zurn #1231 and Chicago Faucet #192DA with #1000 handle.
6. Water closet - Eljer #091-1605 tank type, elongated front with white open front seat.
7. Service sinks - Eljer #242-0155 Rollins 24" x 20" with wall hanger, #805-0190 stainless steel ringguard, #804-1060 acid resisting enamel with 3" trap and strainer and Chicago faucet #305-VB-R.
8. Electric water cooler Elkay #EFA-8 floor mounted with 8.9 GPH capacity.
9. Shower with exposed supplies Bradley type 1E-6'-0"-HC-IS-SD.
10. Gas piping schedule 40 black steel ASTM specifications A-53.
11. Water piping hard grade type "L" copper tubing ASTM B-88. All piping to be insulated with 1" fiberglass with factory applied ASJ jacket.
12. Floor drains 4" Zurn #Z-611.
13. Water service entrance - provide necessary valving and backflow preventors.

Mechanical Symbols

- Vent
- Cold Water Line
- Hot Water Line
- SAN — Sanitary Line
- G — Gas Line
- FD — Floor Drain
- Thermostat
- Gas Shut-Off Valve
- SA — Supply Air
- RA — Return Air

MECHANICAL FLOOR PLAN

1/8" = 1'-0

REVISIONS

NOTES

ARCHITECTS
SDR
ENGINEERS
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210 CHESTNUT ST., MEADVILLE, PA 16335 • (814) 336-3101

NOT FOR CONSTRUCTION

MAINTENANCE & STORAGE BUILDINGS
FOR
MARION CENTER AREA SCHOOL DISTRICT
MARION CENTER, INDIANA CO., PA.

MECHANICAL FLOOR PLAN AND ELECTRICAL FLOOR PLAN

COMM. No. 2657
DATE 9/12/91
SHEET No. 4 OF 4