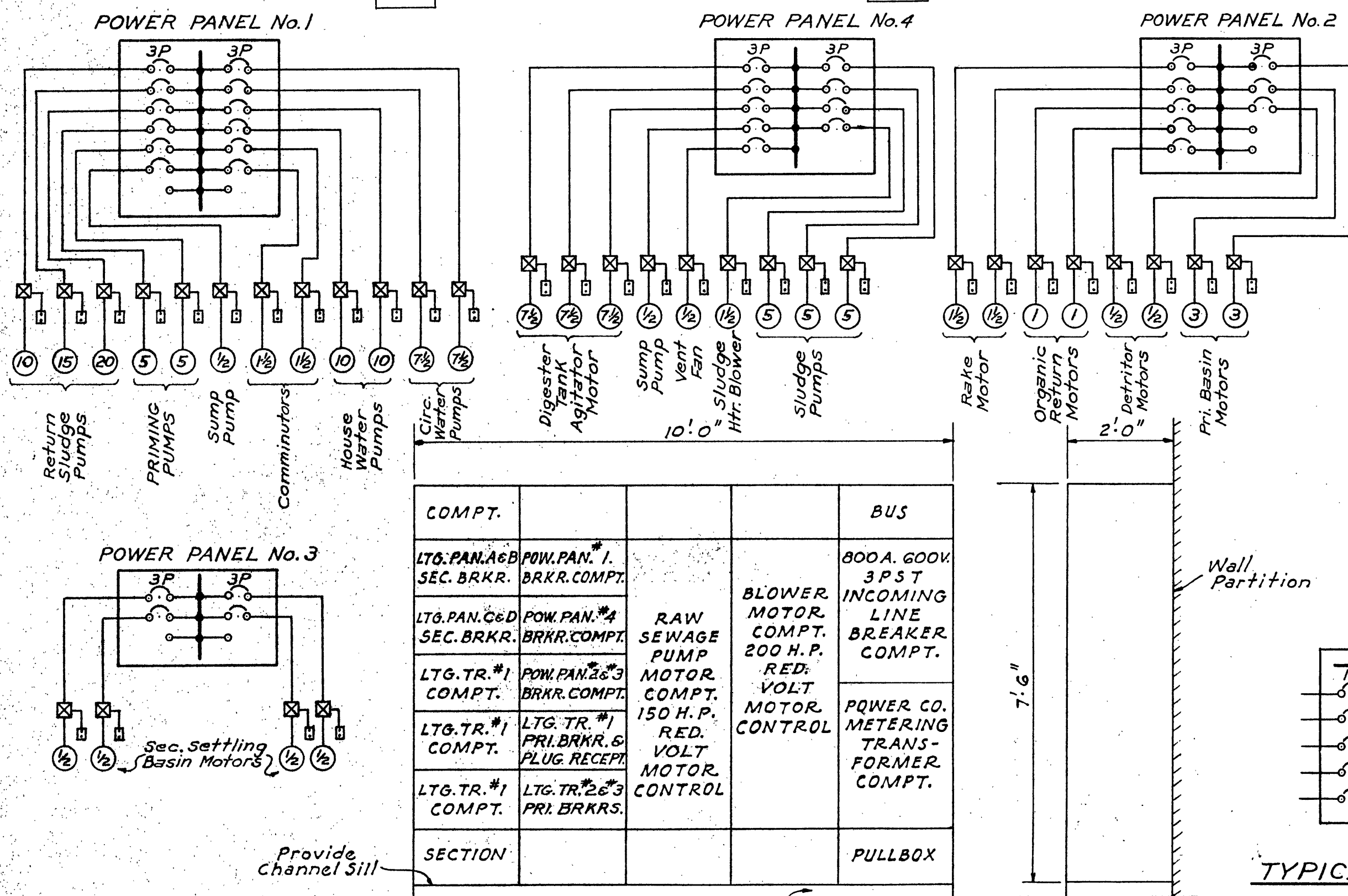
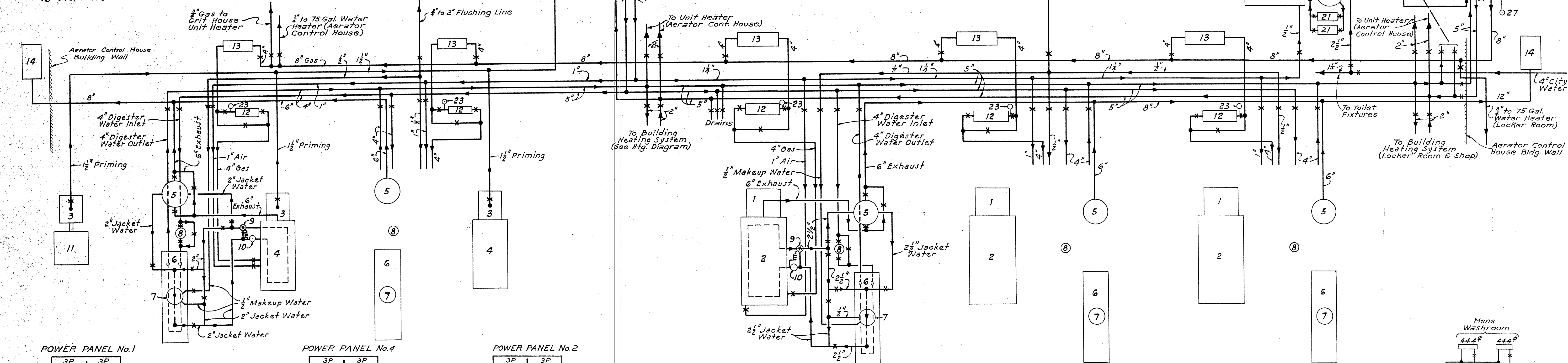


LEGEND

1. 5000 CFM BLOWER.
2. BLOWER ENGINE DRIVE
3. RAW SEWAGE PUMP
4. RAW SEWAGE PUMP ENGINE DRIVE
5. EXHAUST GAS HEAT EXCHANGER.
6. ENGINE JACKET WATER COOLER.
7. JACKET WATER SURGE TANK.
8. WATER METER.
9. JACKET WATER THERMOSTATIC VALVE
10. ENGINE JACKET WATER PUMP
11. RAW SEWAGE PUMP ELECTRIC DRIVE
12. SEWAGE GAS METER.
13. SEWAGE GAS EXPANSION TANK.
14. ENGINE EXHAUST VAULT
15. VACUUM TANK.
16. PRIMING PUMP
17. CIRCULATING WATER PUMP
18. AIR COMPRESSOR
19. COMPRESSED AIR TANK.
20. PLANT WATER RESERVOIR (DOMESTIC SUPPLY)
21. PLANT WATER PUMP
22. PLANT WATER COMPRESSION TANK.
23. DRIP TRAP
24. PRIMARY DIGESTERS
25. SECONDARY DIGESTER
26. SEWAGE GAS PURIFIER.
27. WASTE GAS BURNER.
28. AUTOMATIC RELIEF & FLAME TRAP
29. SLUDGE HEATER.
30. FLAME ARRESTER
31. EXPANSION TANK



FRONT ELEVATION

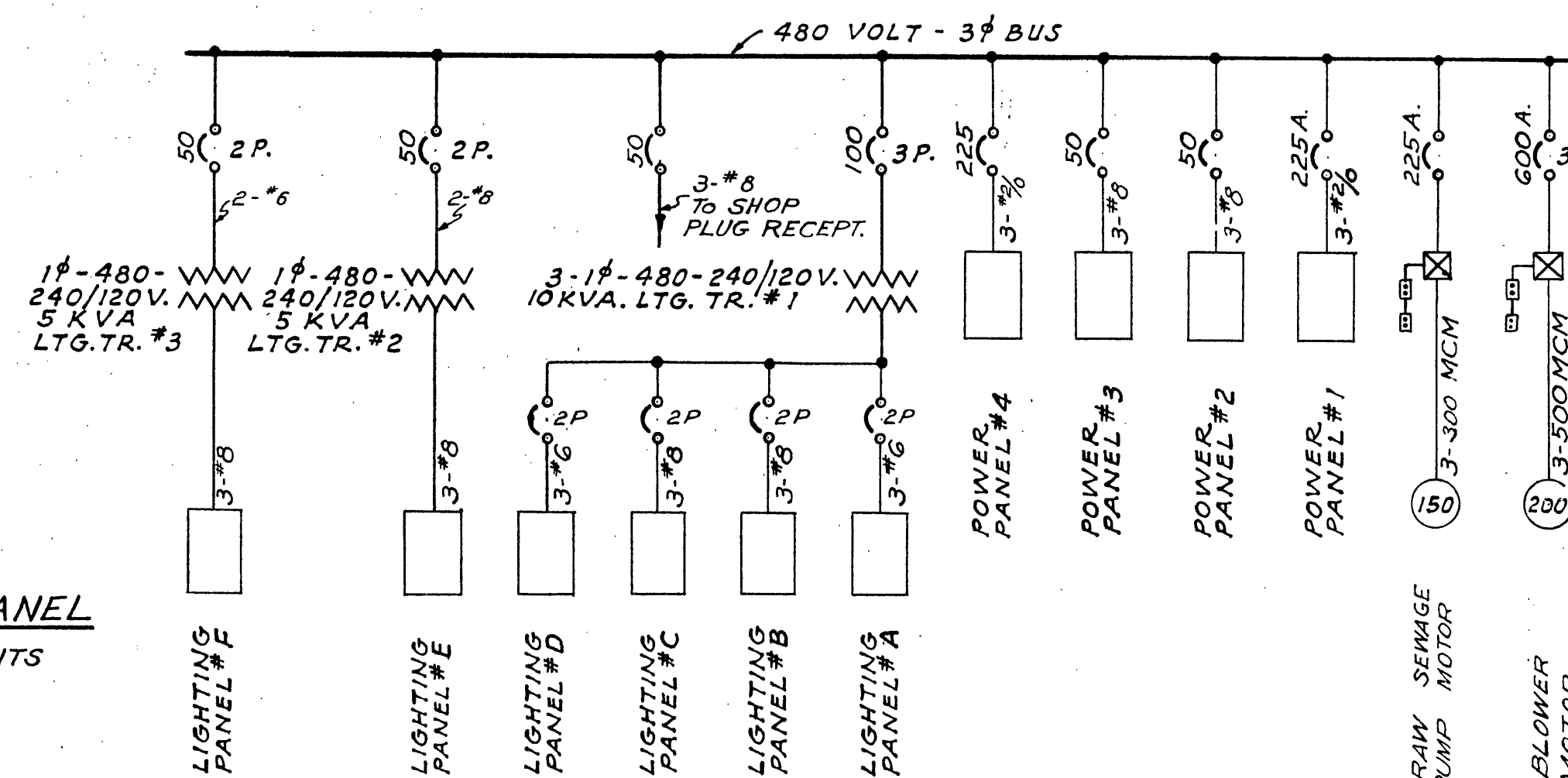
SIDE ELEVATION

ELECTRICAL DISTRIBUTION CENTER

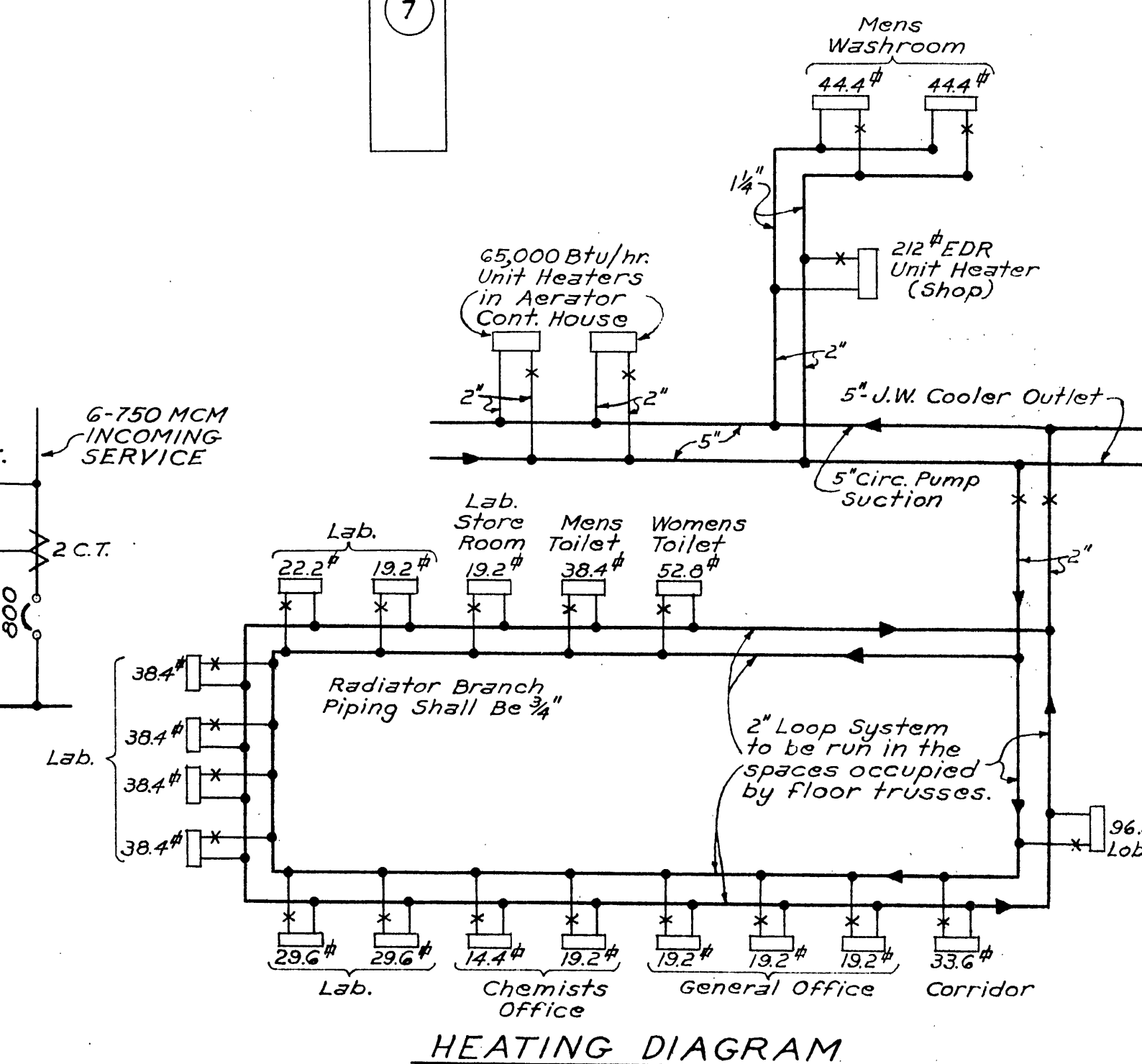
TYPICAL LIGHTING PANEL

LTG. PAN. "A" = 32 CIRCUITS
 LTG. PAN. "B" = 18 "
 LTG. PAN. "C" = 18 "
 LTG. PAN. "D" = 24 "
 LTG. PAN. "E" = 10 "
 LTG. PAN. "F" = 8 "

SCHEMATIC DIAGRAM - PLANT AUXILIARY PIPING



PLANT SINGLE LINE WIRING DIAGRAM



HEATING DIAGRAM

SANITARY SEWER PROJECT No. 3 - 1950

ALVORD, BURCK & HANSON | MATTERN & MATTERN
 ENGINEERS
 CHICAGO, ILL. | ROANOKE, VA.

SEWAGE TREATMENT PLANT
 CITY OF ROANOKE, VIRGINIA
 SCHEMATIC
 PIPING & WIRING

DESIGNED F.W.M. SCALE AS SHOWN
 DRAWN F.W.M. DATE AUGUST, 1950
 CHECKED F.W.M. SHEET NO. 26