

FIG. 22. TYPICAL PIPING CONNECTIONS TO INDIRECT RADIATORS WITH DRY RETURN

Note.—Suitable for atmospheric, vapor, vacuum, sub-atmospheric, and orifice systems.

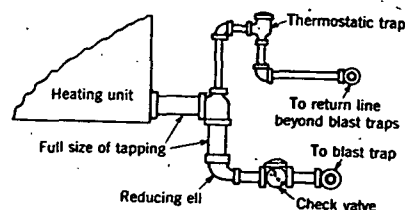


FIG. 25. HEATING UNIT RETURN CONNECTION WITH SEPARATE AIR LINE

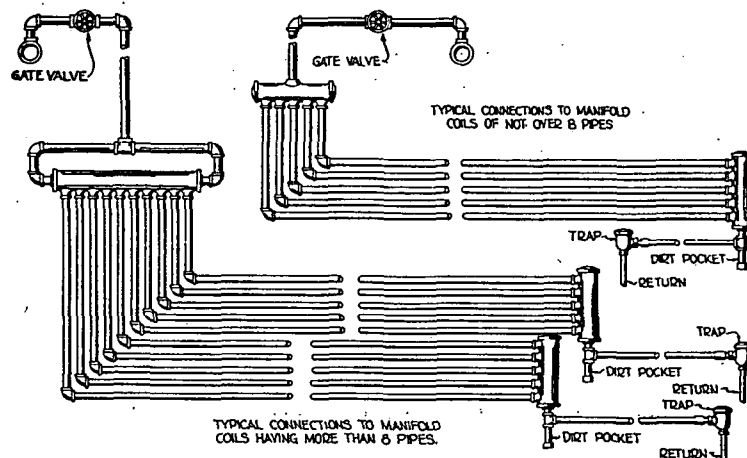


FIG. 23. TYPICAL PIPE COIL CONNECTIONS

Note.—Suitable for up-feed or down-feed. For atmospheric, vapor, vacuum, sub-atmospheric, and orifice systems.

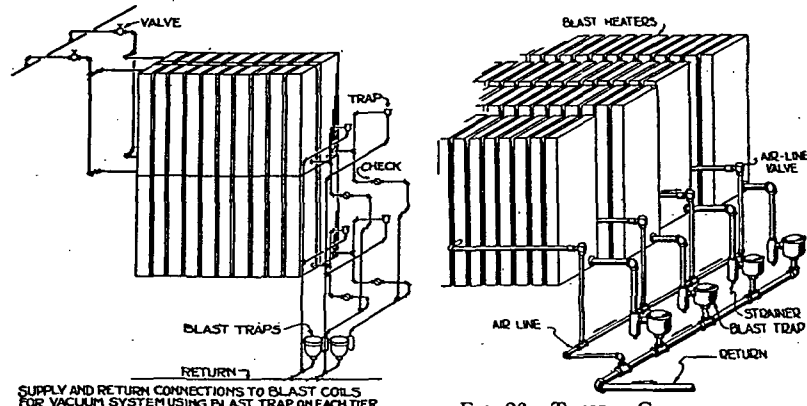


FIG. 24. CONNECTIONS FOR HEATING UNITS OF CENTRAL FAN SYSTEMS

Note.—Suitable for atmospheric and vacuum systems.

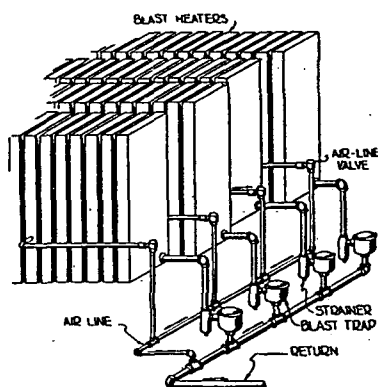


FIG. 26. TYPICAL CONNECTIONS TO CENTRAL FAN SYSTEM HEATING UNITS EXCEEDING 12 SECTIONS

Note.—Suitable for vacuum and atmospheric systems.

Solution. For the C row,

$$R = \frac{50,000 \times (40 - 0)}{220.8} = 9058 \text{ sq. ft.}$$

For the B row,

$$R = \frac{50,000 \times (65 - 40)}{220.8} = 5661 \text{ sq. ft.}$$

For the A row,

$$R = \frac{50,000 \times (80 - 65)}{220.8} = 3397 \text{ sq. ft.}$$

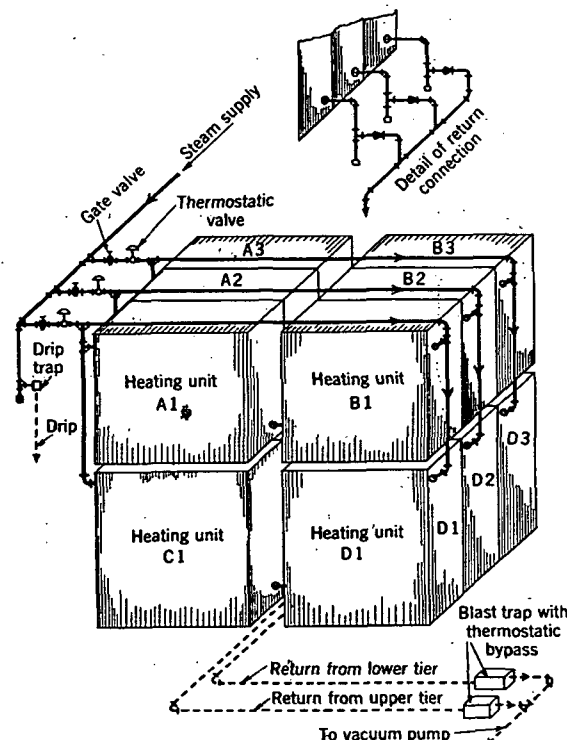


FIG. 27. TYPICAL PIPING FOR ATMOSPHERIC AND VACUUM SYSTEMS WITH THERMOSTATIC CONTROL (CENTRAL FAN SYSTEM)

Each row of heating units consists of four stacks and each stack has two connections so that the load on each stack and each connection of the stack is as follows:

Row	TOTAL LOAD (EDR)	STACK LOAD ^a (EDR)	CONNECTION LOAD ^b (EDR)
C	9058	2265	2265 or 1132
B	5661	1415	1415 or 708
A	3397	849	849 or 425

^a 1/4 of total row load.

^b 1/2 of stack load if two steam connections are made; otherwise, same as stack load.