

The equivalent length of run from the farthest radiator served by riser *I* to the vacuum pump is between 300 and 400 ft.—therefore size that riser according to Column R. Size the return riser *I* in a manner similar to that used for riser *H*.

The equivalent length of run from the farthest radiator served by return main *JK* to the vacuum pump is between 400 and 500 ft.—therefore size entire run from top of return riser *K* to *J* according to Column S.

PART OF SYSTEM	SECTION OF PIPE	RADIATION SERVED, SQ. FT.	PIPE SIZE, INCHES
Return Riser <i>K</i>	<i>g</i> to <i>f</i>	400	$\frac{3}{4}$
" "	<i>f</i> to <i>e</i>	600	$\frac{3}{4}$
" "	<i>e</i> to <i>d</i>	800	1
" "	<i>d</i> to <i>c</i>	1000	1
" "	<i>c</i> to <i>b</i>	1200	1
" "	<i>b</i> to <i>a</i>	1400	1 $\frac{1}{4}$
Branch	to Return Riser <i>K</i>	1400	1 $\frac{1}{4}$
Return Main	<i>K</i> to <i>J</i>	1600	1 $\frac{1}{2}$

TYPICAL PIPING CONNECTIONS

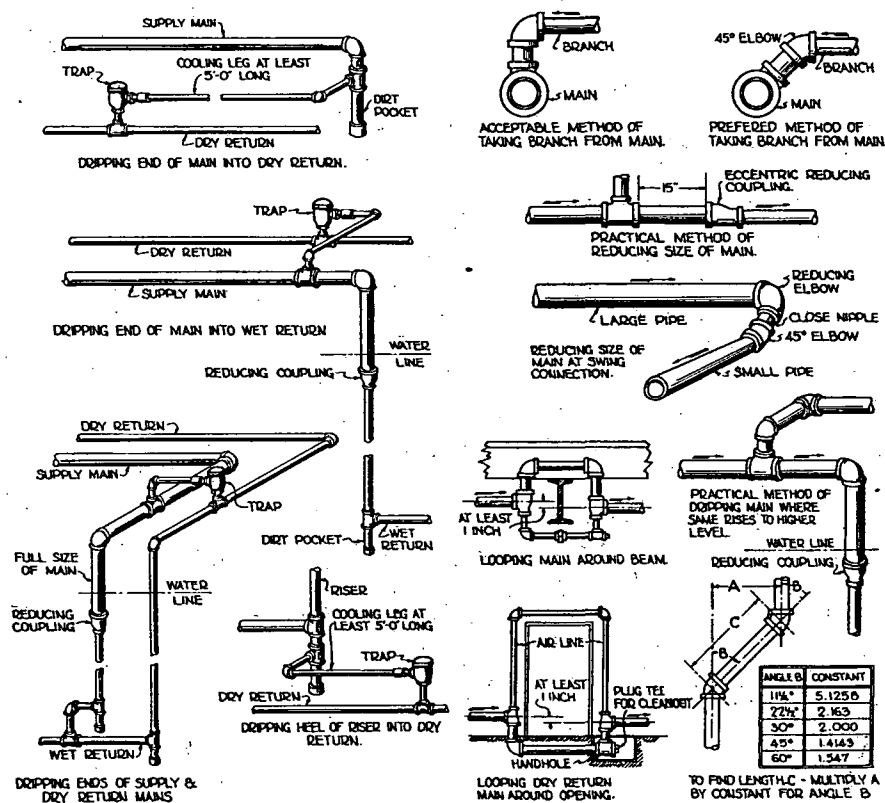


FIG. 9. TYPICAL CONNECTIONS FOR MAINS AND BRANCHES

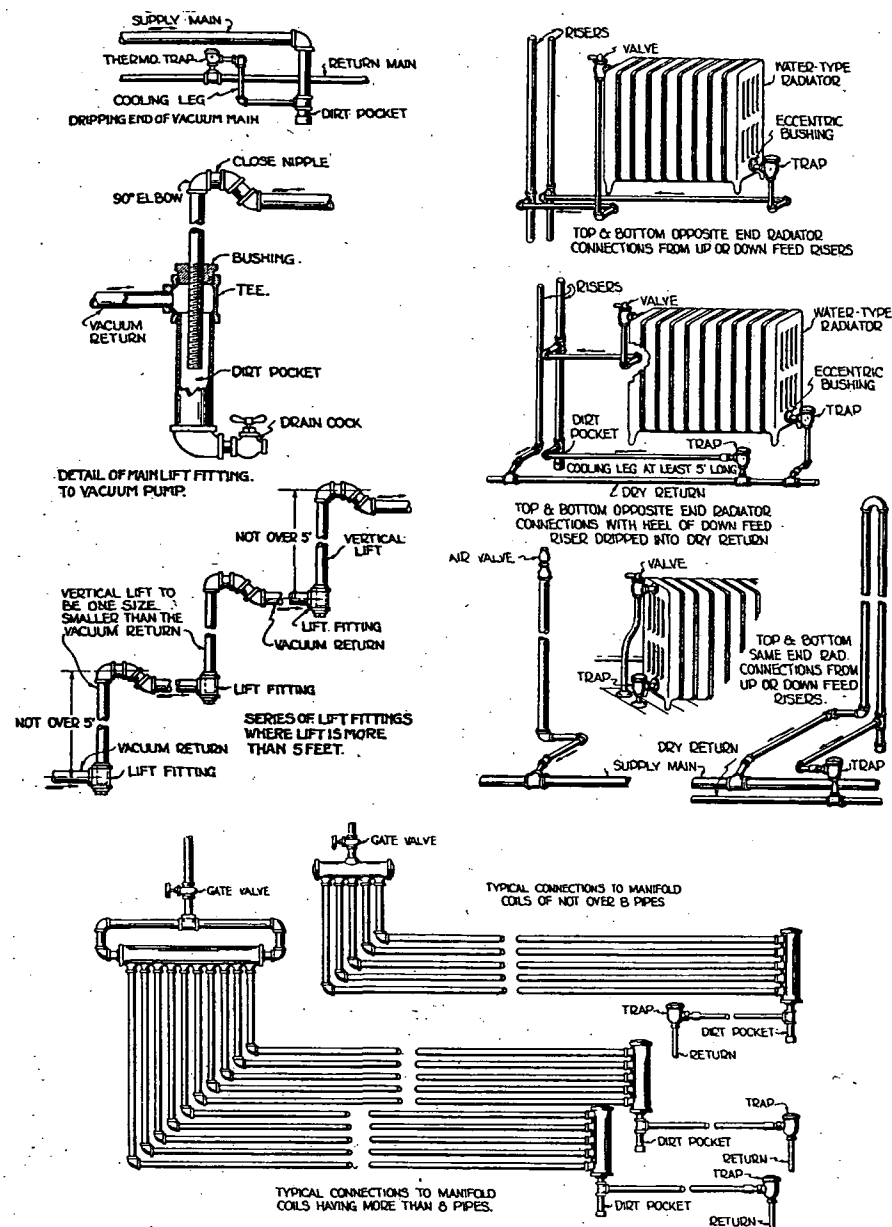


FIG. 10. TYPICAL STEAM PIPING CONNECTIONS