TABLE 5. RETURN PIPE CAPACITIES FOR LOW PRESSURE SYSTEMS

Capacity Expressed in Square Feet of Equivalent Direct Radiation

(Reference to this table will be by column letter *M* through *EE*)

This table is based on pipe size data developed through the research investigations of the AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS.

PIPE SIZE INCHES	CAPACITY OF RETURN MAINS AND RISERS																			
	MAINS																			
	1/32 Psi or 1/8 Oz Drop per 100 Ft			1/24 Psi or 3/16 Oz Drop per 100 Ft			1/16 Psi or 1 Oz Drop per 100 Ft			1/8 Psi or 2 Oz Drop per 100 Ft			1/4 Psi or 4 Oz Drop per 100 Ft			1/2 Psi or 8 Oz Drop per 100 Ft				
	Wet	Dry	Vac.	Wet	Dry	Vac.	Wet	Dry	Vac.	Wet	Dry	Vac.	Wet	Dry	Vac.	Wet	Dry	Vac.		
M	*N*	*O*	*P*	*Q*	*R*	*S*	*T*	*U*	*V*	*W*	*X*	*Y*	*Z*	*AA*	*BB*	*CC*	*DD*	*EE*		
3/4						326			400			568			800			1,130		
1	500	248		580	285	570	700	320	700	1,000	412	994	1,400	460	1,400			1,980		
1 1/4	850	520		990	595	976	1,200	670	1,200	1,700	868	1,700	2,400	962	2,400			3,390		
1 1/2	1,350	822		1,570	943	1,550	1,900	1,060	1,900	2,700	1,360	2,700	3,800	1,510	3,800			5,370		
2	2,800	1,880		3,240	2,140	3,260	4,000	2,300	4,000	5,600	2,960	5,680	8,000	3,300	8,000			11,300		
2 1/2	4,700	3,040		5,300	3,470	5,450	6,700	3,800	6,700	9,400	4,900	9,510	13,400	5,450	13,400			18,900		
3	7,500	5,840		8,500	6,250	8,710	10,700	7,000	10,700	15,000	9,000	15,200	21,400	10,000	21,400			30,200		
3 1/2	11,000	7,880		13,200	8,800	13,000	16,000	10,000	16,000	22,000	12,900	22,700	32,000	14,300	32,000			45,200		
4	15,500	11,700		18,300	13,400	18,000	22,000	15,000	22,000	31,000	19,300	31,200	44,000	21,500	44,000			62,190		
5						31,500			38,700			54,900			77,400			109,000		
6						50,450			62,000			88,000			124,000			175,000		
	RISERS																			
3/4		190			190	570		190	700		190	994		190	1,400			1,980		
1		450			450	976		450	1,200		450	1,700		450	2,400			3,390		
1 1/4		990			990	1,550		990	1,900		990	2,700		990	3,800			5,370		
1 1/2		1,500			1,500	3,260		1,500	4,000		1,500	5,680		1,500	8,000			11,300		
2		3,000			3,000	5,450		3,000	6,700		3,000	9,510		3,000	13,400			18,900		
2 1/2						8,710			10,700			15,200			21,400			30,200		
3						13,000			16,000			22,700			32,000			45,200		
3 1/2						17,900			22,000			31,200			44,000			62,200		
4						31,500			38,700			54,900			77,400			109,000		
5						50,500			62,000			88,000			124,000			175,000		

TABLE 6. RETURN PIPE CAPACITIES FOR LOW PRESSURE SYSTEMS

Capacity Expressed in Pounds per Hour

(Reference to this table will be made by column letter *M* through *EE*)

This table is based on pipe size data developed through the research investigations of the AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS.

PIPE SIZE INCHES	CAPACITY OF RETURN MAINS AND RISERS																			
	MAINS																			
	1/32 Psi or 1/8 Oz Drop per 100 Ft			1/24 Psi or 3/16 Oz Drop per 100 Ft			1/16 Psi or 1 Oz Drop per 100 Ft			1/8 Psi or 2 Oz Drop per 100 Ft			1/4 Psi or 4 Oz Drop per 100 Ft			1/2 Psi or 8 Oz Drop per 100 Ft				
	Wet	Dry	Vac.	Wet	Dry	Vac.	Wet	Dry	Vac.	Wet	Dry	Vac.	Wet	Dry	Vac.	Wet	Dry	Vac.		
M	*N*	*O*	*P*	*Q*	*R*	*S*	*T*	*U*	*V*	*W*	*X*	*Y*	*Z*	*AA*	*BB*	*CC*	*DD*	*EE*		
3/4						42			100			142			200			283		
1	125	62		145	71	143	175	80	175	250	103	249	350	115	350			494		
1 1/4	213	130		248	149	244	300	168	300	425	217	426	600	241	600			848		
1 1/2	338	206		393	236	388	475	265	475	675	340	674	950	378	950			1,340		
2	700	470		810	535	815	1,000	575	1,000	1,400	740	1,420	2,000	825	2,000			2,830		
2 1/2	1,180	760		1,580	868	1,360	1,680	950	1,680	2,350	1,230	2,380	3,350	1,360	3,350			4,730		
3	1,880	1,460		2,130	1,560	2,180	2,680	1,750	2,680	3,750	2,250	3,800	5,350	2,500	5,350			7,560		
3 1/2	2,750	1,970		3,300	2,200	3,250	4,000	2,500	4,000	5,500	3,230	5,680	8,000	3,580	8,000			11,300		
4	3,880	2,930		4,580	3,350	4,500	5,500	3,750	5,500	7,750	4,830	7,810	11,000	5,380	11,000			15,500		
5						7,880			9,680			13,700			19,400			27,300		
6						12,600			15,500			22,000			31,000			43,800		
	RISERS																			
3/4		48			48	143		48	175		48	249		48	350			494		
1		113			113	244		113	300		113	426		113	600			848		
1 1/4		248			248	388		248	475		248	674		248	950			1,340		
1 1/2		375			375	815		375	1,000		375	1,420		375	2,000			2,830		
2		750			750	1,360		750	1,680		750	2,380		750	3,350			4,730		
2 1/2						2,180			2,680			3,800			5,350			7,560		
3						3,250			4,000			5,680			8,000			11,300		
3 1/2						4,480			5,500			7,810			11,000			15,500		
4						7,880			9,680			13,700			19,400			27,300		
5						12,600			15,500			22,000			31,000			43,800		