

TABLE 6-5 & A-1 EQUIVALENT WSFU & DEMAND WEIGHT OF FIXTURES				
Fixture type ²	WSFU ³		Min connection	
	Private	Public	Cold	Hot
Dental unit or cuspidor	-	1	10	-
Sink (wash-up, each set of faucets)	-	2	13	13
Urinal with flush tank	-	3	-	-
Sink (wash-up circular spray)	-	4		
Urinal wall	-	5	13	-
Urinal stall	-	5	19	-
Urinal, pedestal	-	10	25	-
Bedpan washer	-	10	25	-
Sink (flushing rim, clinic)	-	10		
Combination sink & tray	3	-	13	13
Bar sink	1	2		
Lavatory	1	2	10	10
Dental lavatory	1	2	13	13
Drinking fountain	1	2	10	-
Bathtub ⁴	2	4	13	13
Bidet	2	4	13	13
Kitchen sink	2	4	13	13
Laundry tray (1or2 compts)	2	4	13	13
Shower, each head ⁴	2	4	13	13
Sink, service	2	4	13	13
Hose bibb or sill cock (std type)	3	5		
Water closet: Flush tank	3	5	10	-
Water closet: Flushometer-tank	3	5	10	-
Water closet: Flushometer valve	6	10	25	-
Mobile Home (each)	6	6		

TABLE 7-3 DISCHARGE CAPACITY	
L/s	F.U.
Up to 0.47	1
0.5 – 0.95	2
1.0 – 1.89	4
1.95 – 3.15	6

TABLE 10-1 HORIZONTAL DISTANCE OF TRAP ARMS	
Trap arm dia	Dist to Vent
32	0.76
38	1.07
51	1.52
76	1.83
102 & up	3.05

Table 7-2 MIN TRAP DIAMETERS AND DFU			
No.	Fixture	DFU	Size
	Dental units or cuspidors	1	32
	Drinking fountains	1	32
	Receptors (floor sinks), indirect waste receptors for ref, coffee urns, water stn, etc	1	38
	Sinks, bar private 38mm min waste	1	38
	Wash basin (lavatory) single	1	32
	Bathtubs	2	38
	Bidets	2	38
	Laundry tubs	2	38
	Sinks, and/or dishwasher (residential) 51mm min waste	2	38
	Sinks, bar, comm'l 51mm min waste	2	38
	Urinal, washout, wall mounted, separate trap 50.8mm min waste	2	38
	Wash basins, in sets	2	38
	Clotheswashers	2	51
	Floor drains	2	51
	Shower, single stall	2	51
	Shower, gang (1 unit per head)		51
	Urinal, stall, separate trap	2	51
	Urinal, washdown or siphon jet, wall-mounted, integral trap, trap arm only	2	51
	Comm'l or ind'l, schools sinks, etc., including dishwashers, wash up sinks, and fountains 50.8 mm waste	3	38
	Interceptors for grease, oil, etc	3	51
	Receptors, indirect waste receptors for comm'l sinks, dishwashers, air washers, etc	3	51
	Sink, service	3	51
	Urinal, wall mounted, integral trap, trap arm only	3	51
	Water closet, private	4	76
	Water closet, public	6	76
	Interceptors for sand, auto wash, etc	6	76
	Sink, flushing rim, clinic	6	76
	Mobile home park traps (1 for ea trailer)	6	76
	Urinal, pedestal, trap arm only	6	76
	Urinal, blowout, wall-mounted, integral trap, trap arm only	6	76

TABLE 7-5 MAX FU LOADING AND MAX LENGTH OF EXC DRAIN AND VENT PIPING											
Size	32	38	51	65	76	102	127	152	203	254	305
Ver	1	2	16	32	48	256	600	1380	3600	5600	8400
Hor	1	2	8	14	35	216	428	720	2640	4680	8200
Length	14	20	26	45	65	91	119	155	228		
Max FU	1	8	24	48	84	256	600	1380	3600		
Length	14	18	37	55	65	91	119	155	228		

Table 7-4 CLEANOUTS		
Pipe size	Cleanout	TPI
3		27
6		18
10		18
13		14
19		14
25		11-1/2
32		11-1/2
38	38	11-1/2
51	38	11-1/2
64	64	8
76	64	8
102 & larger	89	8

TABLE B-1 LOC SDS				
MIN	BS	ST	DF	SP/C
B&S	0.6	1.5	2.4	2.4
PL	CLEAR	1.5	1.5	2.4
WSW	15.2	15.2	30.5	45.7
S	15.2	15.2	15.2	30.5
T	-	3	-	3
SP/C	-	1.5	1.5	1.5
DF	-	1.5	1.2	1.5
OSDWSL	.3	1.5	1.5	1.5
DB	-	-	1.5	1.5
PPWL	3	3	3	3

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Table 7-1 MAX TRAP LOADING	
Size	F.U.
32	1
38	3
51	4
76	6
102	8

HOT WATER CONSUMPTION	
bldg	g/ps/hr
S	2-3
O	4-5
F	4-6
A	8
H	8-10
R	10

Working load of hot water	
bldg	Ave. WL
SOI	25%
AR	35%
HResto	50%

Table 8-1 PIPE CONNECTIONS IN BLOWOFF CONDENSERS & SUMPS		
Boiler blowoff	Water outlet	Size of vent
19	19	51
25.4	25.4	64
32	32	76
38	38	102
51	51	127
64	64	152

REFRIGERATION WASTE	
32	not more than 2.8m ³
51	4-12m ³
76	13-36m ³

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