

# Final Calculations - Hazen-Williams

SPRINKLER SYSTEMS INC.  
3 CANAL PLAZA THIRD FLOOR AREA 1

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Date

Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
10 to D	50.00 241.31	2.003 150.0 0.3698	Fsp 2F T Ball	0.0 5.186 12.965 2.917	3.500 21.068 24.568	76.066 2.783 9.085	Qa = 50.00 * * Fixed Loss = 3 Vel = 24.57		
D to E	50.00 291.31	4.26 120.0 0.0201		0.0 0.0 0.0	12.000 0.0 12.000	87.934 5.197 0.241	Qa = 50.00 Vel = 6.56		
E to F	0.0 291.31	4.26 120.0 0.0201		0.0 0.0 0.0	12.000 0.0 12.000	93.372 5.197 0.241	Vel = 6.56		
F to G	0.0 291.31	4.26 120.0 0.0200		0.0 0.0 0.0	13.330 0.0 13.330	98.810 5.739 0.267	Vel = 6.56		
G to HOSE	0.0 291.31	4.26 120.0 0.0201	10E G S	131.671 2.633 28.968	100.000 163.272 263.272	104.816 4.223 5.283	Vel = 6.56		
HOSE to PUMP	0.0 291.31	4.026 120.0 0.0260		0.0 0.0 0.0	0.500 0.0 0.500	114.322 0.0 0.013	Vel = 7.34		
	0.0 291.31					114.335	K Factor = 27.24		