

DEMO - HOUSE

Filename: Demo - House.the

Pipe Row	Begin Node	End Node	Length (feet)	Diameter (inches)	Type	Fittings	"C" Value	St	Sh	FD
1	1	2	12.000	1	CP		150	-		
2	2	3	6.000	1	CP	E	150	-		
3	3	4	20.000	1	CP	3TFTR E	150	-		
4	4	5	22.500	1	CP	T E	150	-		
5	5	6	17.500	1	CP	T	150	-		
6	7	6	8.000	1Q	40	E	120	FD		*
7	7	8	100.000	1	CL	E T GV	150	-		
8			0.000		40		120	-		
9			0.000		40		120	-		
10			0.000		40		120	-		
11			0.000		40		120	-		
12			0.000		40		120	-		
13			0.000		40		120	-		
14			0.000		40		120	-		
15			0.000		40		120	-		
16			0.000		40		120	-		
17			0.000		40		120	-		
18			0.000		40		120	-		

Node Row	Node	Elevation (feet)	K-factor (gpm/(psi) ^{1/2})	Area (sqft)	Hose (gpm)
1	1	33.000	4.20	0.00	0.00
2	2	33.000	4.20	0.00	0.00
3	3	33.000	0.00	0.00	0.00
4	4	33.000	0.00	0.00	0.00
5	5	20.500	0.00	0.00	0.00
6	6	8.000	0.00	0.00	0.00
7	7	0.000	0.00	0.00	0.00
8	8	0.000	0.00	0.00	0.00
9		0.000	0.00	0.00	0.00
10		0.000	0.00	0.00	0.00
11		0.000	0.00	0.00	0.00
12		0.000	0.00	0.00	0.00
13		0.000	0.00	0.00	0.00
14		0.000	0.00	0.00	0.00
15		0.000	0.00	0.00	0.00
16		0.000	0.00	0.00	0.00
17		0.000	0.00	0.00	0.00
18		0.000	0.00	0.00	0.00

Pump #	Suction Node	Discharge Node
1		
2		
3		
4		
5		

FDPLD #	In Node	Out Node
1	7	6
2		
3		
4		
5		

Source Row	Node	Static (psi)	Residual (psi)	Flow (gpm)	HSA (gpm)
1	8	70.00	55.00	100.00	0.00
2		0.00	0.00	0.00	0.00

Click on the "St" (Status) column to insert a flow device such as a Double Check Valve Assembly.

Double click on the asterisk in the "FD" (Fitting Description) column to view the fitting description.

Click on the Row # in the FDPLD (Flow Dependent Pressure Loss Device) Table to see the pressure losses for the flow device.

Flow Device Flow and Pressure Points

In Node: 7 Out Node: 6

Point 0: 0 gpm @ 0.00 psi

REQ. POINT 1: 10 gpm @ 5.00 psi

Point 2: 20 gpm @ 5.00 psi

Point 3: 30 gpm @ 5.00 psi

REQ. POINT 4: 40 gpm @ 6.00 psi

Point 5: 50 gpm @ 6.00 psi

REQ. POINT 6: 60 gpm @ 6.00 psi

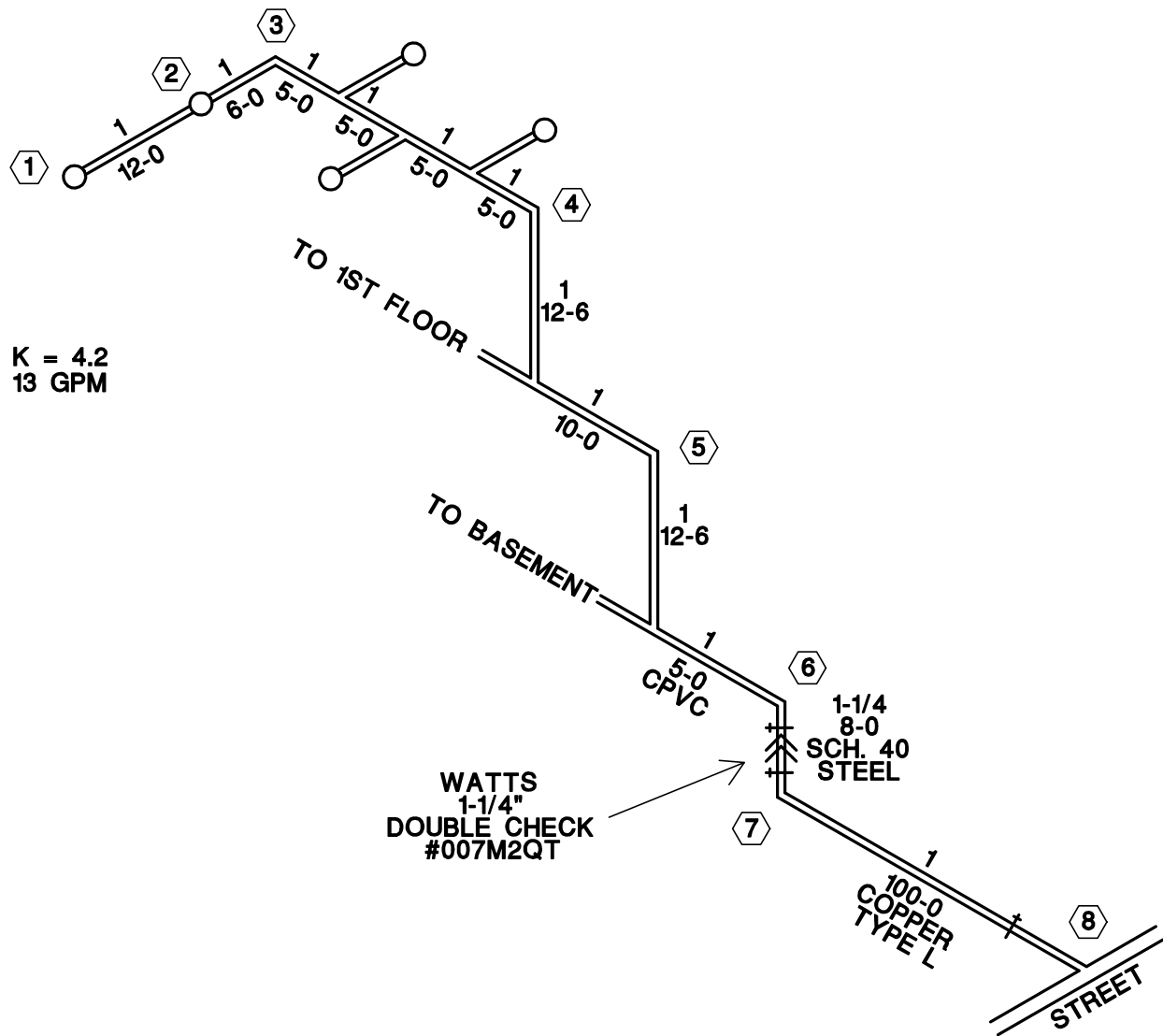
Flow device flow points must be entered in succession (i.e., Required Point 1 is Zero Flow through Required Point 6, which is Maximum Flow)

Any missing data points (1,2 or 5) will be interpolated by the program.

OK Cancel

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K = 4.2
13 GPM

WATER SUPPLY TEST
STATIC - 70 PSI
RESIDUAL - 55 PSI
FLOW - 100 GPM