

Project Title: CHW Piping
 Project ID: 30206
 Project Manger: W.M.

Prepared By: W.T Sheet: 1 of 1
 Checked By: D.W. Date: 2/4/18

PIPING WITH WATER WEIGHT ESTIMATE (Schedule 40 Steel)

Project Description

CHW Piping

Density of water at 68F and 14.7 psia = 62.3 lb/ft³
 Weight of water per foot of piping = 0.3405 X ID²

	Segment	Length of Pipe (ft)	Diameter (inches)	Inside Diamter (inches)	Weight of Pipe per ft of length (lbs)	Weight of Water per ft of pipe (lbs)	Weight of Pipe with Water (lbs)	Remarks	
1	A-B	6.0	3/4" Dia.	0.824	1.130	0.23	8.17		
2	B-C	5.5	1-1/4" Dia.	1.380	2.270	0.65	16.05		
3	C-D	10.0	1-1/2" Dia.	1.610	2.720	0.88	36.03		
4	D-E	21.0	1-1/2" Dia.	1.610	2.720	0.88	75.65		
5	E-F	5.0	2" Dia.	2.067	3.650	1.45	25.52		
6	F-G	8.0	2-1/2" Dia.	2.469	5.790	2.08	62.93		
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TOTAL =							224	lbs	

Notes:

Preliminary