

Project Title: Sample Project
 Project ID: 30206
 Project Manger: T.M.

Prepared By: W.T Sheet: 1 of 1
 Checked By: D.W. Date: 7/25/13

WATER VOLUME INSIDE PIPING AND EQUIPMENT ESTIMATE

Notes: Water Volume Inside Pipe Estimate

Water Volume Inside Piping					
Segment	Pipe Dia. (inches)	Length (feet)	Gallons per Foot of Pipe	Gallons	Remarks
A-B	4"	50.0	0.653	32.65	Main
B-C	3"	75.0	0.367	27.53	
C-D	2 1/2"	20.0	0.255	5.10	
D-E	2"	55.0	0.163	8.97	
E-F	1 1/2"	25.0	0.092	2.30	
F-G	1"	25.0	0.041	1.03	

	Total Volume =	77.57	Gallons
Allowance/Safety:	15%	11.63	Percent
Total Water Inside Piping with Safety =		89.2	Gallons

Water Volume Inside Equipment		
Equipment	Gallons	Remarks
Chiller #1	20.00	From Manufacturer Cut
Expansion Tank #1	15.00	

	Total Volume =	35.00	Gallons
Allowance/Safety:	15%	5.25	Percent
Total Water Inside Equipment with Safety =		40.3	Gallons

Grand Total (Piping + Equipment) =	129.4	Gallons
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REMARKS: