

ADDRESS:

REV: 0

									LABOR RATE		\$ 115
SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT COST	MATERIAL COST	LABOR RATE	LABOR HOURS	LABOR HOURS COST	TOTAL COST
<b>HVAC ESTIMATE</b>											
<b>CHILLED WATER FLOW PIPE</b>											
Sch 80, ERW or Seamless, ASTM A53 or A106, Fitting: Forged Steel, 300 Psig WOG Malleable Iron, Screwed. (Assumed)											
1	32 mm Dia Chilled Water Flow Pipe	344	10%	378	M		\$ -	\$ 115		\$ -	\$ -
2	40 mm Dia Chilled Water Flow Pipe	79	10%	87	M		\$ -	\$ 115		\$ -	\$ -
3	50 mm Dia Chilled Water Flow Pipe	70	10%	77	M		\$ -	\$ 115		\$ -	\$ -
4	65 mm Dia Chilled Water Flow Pipe	164	10%	180	M		\$ -	\$ 115		\$ -	\$ -
5	80 mm Dia Chilled Water Flow Pipe	54	10%	60	M		\$ -	\$ 115		\$ -	\$ -
6	100 mm Dia Chilled Water Flow Pipe	28	10%	31	M		\$ -	\$ 115		\$ -	\$ -
7	150 mm Dia Chilled Water Flow Pipe	39	10%	42	M		\$ -	\$ 115		\$ -	\$ -
<b>CHILLED WATER FLOW PIPE INSULATION</b>											
50 mm Thick, Glass Mineral Wool Fiber Insulation. (Assumed)											
1	32 mm Dia Chilled Water Flow Pipe	344	10%	378	M		\$ -	\$ 115		\$ -	\$ -
2	40 mm Dia Chilled Water Flow Pipe	79	10%	87	M		\$ -	\$ 115		\$ -	\$ -
3	50 mm Dia Chilled Water Flow Pipe	70	10%	77	M		\$ -	\$ 115		\$ -	\$ -
4	65 mm Dia Chilled Water Flow Pipe	164	10%	180	M		\$ -	\$ 115		\$ -	\$ -
5	80 mm Dia Chilled Water Flow Pipe	54	10%	60	M		\$ -	\$ 115		\$ -	\$ -
6	100 mm Dia Chilled Water Flow Pipe	28	10%	31	M		\$ -	\$ 115		\$ -	\$ -
7	150 mm Dia Chilled Hot Water Flow Pipe	39	10%	42	M		\$ -	\$ 115		\$ -	\$ -
<b>CHILLED WATER FLOW PIPE FITTING</b>											
<b>ELBOW</b>											
1	32 mm Dia Chilled Water Flow 90 Deg Elbow	155	0%	155	EA		\$ -	\$ 115		\$ -	\$ -
2	40 mm Dia Chilled Water Flow 90 Deg Elbow	3	0%	3	EA		\$ -	\$ 115		\$ -	\$ -
3	50 mm Dia Chilled Water Flow 90 Deg Elbow	3	0%	3	EA		\$ -	\$ 115		\$ -	\$ -
4	65 mm Dia Chilled Water Flow 90 Deg Elbow	1	0%	1	EA		\$ -	\$ 115		\$ -	\$ -
5	80 mm Dia Chilled Water Flow 90 Deg Elbow	4	0%	4	EA		\$ -	\$ 115		\$ -	\$ -
6	100 mm Dia Chilled Water Flow 90 Deg Elbow	3	0%	3	EA		\$ -	\$ 115		\$ -	\$ -
7	150 mm Dia Chilled Water Flow 90 Deg Elbow	11	0%	11	EA		\$ -	\$ 115		\$ -	\$ -
<b>TEE</b>											
1	32 mm Dia Chilled Water Flow Tee	13	0%	13	EA		\$ -	\$ 115		\$ -	\$ -
2	40 / 32 mm Dia Chilled Water Flow Tee	15	0%	15	EA		\$ -	\$ 115		\$ -	\$ -
3	50 / 32 mm Dia Chilled Water Flow Tee	15	0%	15	EA		\$ -	\$ 115		\$ -	\$ -





SENSOR											
1	Floow And Return Temperature Sensors	4	0%	4	EA		\$ -	\$ 115		\$ -	\$ -
STRAINER											
1	32 mm Strainer	7	0%	7	EA		\$ -	\$ 115		\$ -	\$ -
DRAIN COCK											
1	32 mm Drain Cock	42	0%	42	EA		\$ -	\$ 115		\$ -	\$ -
VALVE											
1	32 mm Air Vent Valve	42	0%	42	EA		\$ -	\$ 115		\$ -	\$ -
2	32 mm Isolation Valve	47	0%	47	EA		\$ -	\$ 115		\$ -	\$ -
3	40 mm Isolation Valve	2	0%	2	EA		\$ -	\$ 115		\$ -	\$ -
4	50 mm Isolation Valve	5	0%	5	EA		\$ -	\$ 115		\$ -	\$ -
5	65 mm Isolation Valve	13	0%	13	EA		\$ -	\$ 115		\$ -	\$ -
6	100 mm Isolation Valve	2	0%	2	EA		\$ -	\$ 115		\$ -	\$ -
7	150 mm Isolation Valve	14	0%	14	EA		\$ -	\$ 115		\$ -	\$ -
8	Motorized 32 mm 2-Way Valve	35	0%	35	EA		\$ -	\$ 115		\$ -	\$ -
9	Motorized 32 mm 3-Way Valve	7	0%	7	EA		\$ -	\$ 115		\$ -	\$ -
10	32 mm Isolating Regulator Valve	50	0%	50	EA		\$ -	\$ 115		\$ -	\$ -
11	32 mm Double Regulating Valve	4	0%	4	EA		\$ -	\$ 115		\$ -	\$ -
12	40 mm Double Regulating Valve	2	0%	2	EA		\$ -	\$ 115		\$ -	\$ -
13	50 mm Double Regulating Valve	5	0%	5	EA		\$ -	\$ 115		\$ -	\$ -
14	65 mm Isolating Regulator Valve	2	0%	2	EA		\$ -	\$ 115		\$ -	\$ -
15	150 mm Double Regulating Valve	2	0%	2	EA		\$ -	\$ 115		\$ -	\$ -
PIPE SUPPORT											
1	32 mm Adjustable Clevis Hanger	68	0%	68	EA		\$ -	\$ 115		\$ -	\$ -
2	40 mm Adjustable Clevis Hanger	15	0%	15	EA		\$ -	\$ 115		\$ -	\$ -
3	50 mm Adjustable Clevis Hanger	14	0%	14	EA		\$ -	\$ 115		\$ -	\$ -
4	65 mm Adjustable Clevis Hanger	32	0%	32	EA		\$ -	\$ 115		\$ -	\$ -
5	80 mm Adjustable Clevis Hanger	10	0%	10	EA		\$ -	\$ 115		\$ -	\$ -
6	100 mm Adjustable Clevis Hanger	6	0%	6	EA		\$ -	\$ 115		\$ -	\$ -
7	150 mm Adjustable Clevis Hanger	8	0%	8	EA		\$ -	\$ 115		\$ -	\$ -
8	10 mm Full Threaded Rod	139	0%	139	EA		\$ -	\$ 115		\$ -	\$ -
9	12 mm Full Threaded Rod	14	0%	14	EA		\$ -	\$ 115		\$ -	\$ -
<b>TOTAL MATERIAL COST</b>										<b>\$ -</b>	
<b>TOTAL LABORS' COST</b>										<b>\$ -</b>	
<b>TOTAL COST</b>										<b>\$ -</b>	
<b>OVERHEADS &amp; PROFIT</b>										<b>25%</b>	<b>\$ -</b>
<b>TOTAL BID</b>										<b>\$ -</b>	

SCOPE OF ESTIMATE:	
<b>I</b>	<b>SUPPLY &amp; INSTALLATION</b>
1	Chilled Water Flow Pipe W/ Fittings
2	Chilled Water Return Pipe W/ Fittings
3	Temperature Gauge
4	Test Point
5	Flow Switch
6	Sensors
7	Strainer
8	Drain Cock
9	Valves
10	Pipe Supports
<b>II</b>	<b>NOTES</b>
1	Specification file was not given in the drawing set so we assumed material and Insulation for piping.