



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB HRS	UNIT MAT	UNIT LAB	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
95	Fan Coil Units 'FCU-1-1' Manufacturer: FRANE Model: BHC-24 CFM:1000	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
96	Fan Coil Units 'FCU-2-2' Manufacturer: FRANE Model: BHC-24 CFM:1000	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
97	Electric Steam Humidifier 'H-1-1-1' Manufacturer: NORTEC Model: RS DUCTED 20 CFM:1350	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
98	Electric Steam Humidifier 'H-1-1-2' Manufacturer: NORTEC Model: RS DUCTED 15 CFM:1100	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
99	Electric Steam Humidifier 'H-1-1-3' Manufacturer: NORTEC Model: RS DUCTED 15 CFM:1100	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
100	Electric Steam Humidifier 'H-1-1-4' Manufacturer: NORTEC Model: RS DUCTED 20 CFM:1350	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
101	Sensor & Detectors				0.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
102	Thermostate Sensor	26	EA	0%	26.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
103	Humidity Sensor	3	EA	0%	3.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
104	Second Floor				0.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
105	Risers				0.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
106	Hot Water Supply Pipe 'HWS'				0.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
107	1/4" Dia Hot Water Supply Pipe 'HWS' Material: Copper Type L / Schedule 40 Steel Pipe	1138	LF	0%	1138.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
108	1/2" Dia Hot Water Supply Pipe 'HWS' Material: Schedule 40 Steel Pipe	114	LF	0%	114.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
109	1-1/4" Dia Hot Water Supply Pipe 'HWS' Material: Schedule 40 Steel Pipe	50	LF	0%	50.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
110	1-1/2" Dia Hot Water Supply Pipe 'HWS' Material: Schedule 40 Steel Pipe	39	LF	0%	39.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
111	1" Dia Hot Water Supply Pipe 'HWS' Material: Schedule 40 Steel Pipe	131	LF	0%	131.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
112	1/4" Dia Hot Water Return Pipe 'HWR' Material: Copper Type L / Schedule 40 Steel Pipe	1152	LF	0%	1152.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
113	1" Dia Hot Water Return Pipe 'HWR' Material: Schedule 40 Steel Pipe	112	LF	0%	112.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
114	1-1/4" Dia Hot Water Return Pipe 'HWR' Material: Schedule 40 Steel Pipe	53	LF	0%	53.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
115	1-1/2" Dia Hot Water Return Pipe 'HWR' Material: Schedule 40 Steel Pipe	39	LF	0%	39.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
116	1/2" Dia Hot Water Return Pipe 'HWR' Material: Schedule 40 Steel Pipe	132	LF	0%	132.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
117	1" Dia Chilled Water Supply Pipe 'CWS'	37	LF	0%	37.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
118	1" Dia Chilled Water Return Pipe 'CWR' Material: Schedule 40 Steel Pipe	40	LF	0%	40.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
119	Condensate Drain Pipe 'CD'	34	LF	0%	34.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
120	1-1/4" Dia Condensate Drain Pipe 'CD'	43	LF	0%	43.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
121	1" Dia Condensate Drain Pipe 'CD'	30	EA	0%	30.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
122	1/4" Dia & 90 Degree Hot Water Supply Pipe 'HWS' Bend	266	EA	0%	266.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
123	1/2" Dia & 90 Degree Hot Water Supply Pipe 'HWS' Bend	12	EA	0%	12.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
124	1-1/4" Dia & 90 Degree Hot Water Return Pipe 'HWR' Bend	12	EA	0%	12.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
125	1/2" Dia & 90 Degree Hot Water Return Pipe 'HWR' Bend	4	EA	0%	4.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
126	1-1/4" Dia & 90 Degree Condensate Drain Pipe 'CD' Bend	20	EA	0%	20.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
127	1" Dia & 90 Degree Condensate Drain Pipe 'CD' Bend	14	EA	0%	14.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
128	1" Dia & 90 Degree Chilled Water Supply Pipe 'CWS' Bend	4	EA	0%	4.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
129	1" Dia & 90 Degree Chilled Water Return Pipe 'CWR' Bend	4	EA	0%	4.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
130	1-1/4" Dia & 90 Degree Hot Water Supply Pipe 'HWS' Tee	10	EA	0%	10.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
131	1" Dia & 90 Degree Hot Water Supply Pipe 'HWS' Tee	4	EA	0%	4.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
132	1-1/2" Dia & 90 Degree Hot Water Supply Pipe 'HWS' Tee	2	EA	0%	2.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
133	1/4" Dia & 90 Degree Hot Water Supply Pipe 'HWS' Tee	27	EA	0%	27.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
134	1/2" Dia & 90 Degree Hot Water Supply Pipe 'HWS' Tee	4	EA	0%	4.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
135	1-1/4" Dia & 90 Degree Hot Water Return Pipe 'HWR' Tee	2	EA	0%	2.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
136	1-1/2" Dia & 90 Degree Hot Water Return Pipe 'HWR' Tee	3	EA	0%	3.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
137	1/4" Dia & 90 Degree Hot Water Return Pipe 'HWR' Tee	10	EA	0%	10.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
138	1/2" Dia & 90 Degree Hot Water Return Pipe 'HWR' Tee	10	EA	0%	10.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
139	1" Dia 3/4" Dia Hot Water Supply Pipe 'HWS' Transition	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
140	1" Dia 3/4" Dia Hot Water Return Pipe 'HWR' Transition	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
141	1/4" Dia Hot Water Supply Pipe 'HWS' Connection From Existing To New	29	EA	0%	29.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
142	1/2" Dia Hot Water Supply Pipe 'HWS' Connection From Existing To New	3	EA	0%	3.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
143	1-1/4" Dia Hot Water Supply Pipe 'HWS' Connection From Existing To New	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
144	1-1/2" Dia Hot Water Supply Pipe 'HWS' Connection From Existing To New	3	EA	0%	3.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
145	1/2" Dia Hot Water Supply Pipe 'HWS' Connection From Existing To New	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
146	1/4" Dia Hot Water Return Pipe 'HWR' Connection From Existing To New	29	EA	0%	29.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
147	1/2" Dia Hot Water Return Pipe 'HWR' Connection From Existing To New	3	EA	0%	3.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
148	1-1/4" Dia Hot Water Return Pipe 'HWR' Connection From Existing To New	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
149	1-1/2" Dia Hot Water Return Pipe 'HWR' Connection From Existing To New	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
150	1/2" Dia Hot Water Return Pipe 'HWR' Connection From Existing To New	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
151	1/4" Dia Shutoff Valves	136	EA	0%	136.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
152	1/2" Dia Shutoff Valves	8	EA	0%	8.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
153	1-1/4" Dia Shutoff Valves	4	EA	0%	4.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
154	1/2" Dia Isolation Valves 'IV'	176	EA	0%	176.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
155	1" Dia Isolation Valves 'IV'	12	EA	0%	12.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
156	1-1/2" Dia Isolation Valves 'IV'	4	EA	0%	4.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
157	1/4" Dia Control Valve 'CV'	88	EA	0%	88.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
158	1/2" Dia Control Valve 'CV'	6	EA	0%	6.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
159	1-1/2" Dia Control Valve 'CV'	2	EA	0%	2.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
160	R/T Testing Ports	192	EA	0%	192.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
161	Variable Air Volume Terminal Units 'ATU-1-1-3' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
162	Variable Air Volume Terminal Units 'ATU-2-1-4' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
163	Variable Air Volume Terminal Units 'ATU-2-1-6' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
164	Variable Air Volume Terminal Units 'ATU-2-1-7' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
165	Variable Air Volume Terminal Units 'ATU-2-1-8' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
166	Variable Air Volume Terminal Units 'ATU-2-1-9' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
167	Variable Air Volume Terminal Units 'ATU-2-1-10' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
168	Variable Air Volume Terminal Units 'ATU-2-1-11' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
169	Variable Air Volume Terminal Units 'ATU-2-1-13' Manufacturer: FRANE	1	EA	0%	0.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
170	Variable Air Volume Terminal Units 'ATU-2-1-15' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
171	Variable Air Volume Terminal Units 'ATU-2-1-16' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
172	Variable Air Volume Terminal Units 'ATU-2-1-17' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
173	Variable Air Volume Terminal Units 'ATU-2-1-18' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
174	Variable Air Volume Terminal Units 'ATU-2-1-19' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
175	Variable Air Volume Terminal Units 'ATU-2-1-20' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
176	Variable Air Volume Terminal Units 'ATU-2-1-21' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
177	Variable Air Volume Terminal Units 'ATU-2-1-22' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
178	Variable Air Volume Terminal Units 'ATU-2-1-23' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
179	Variable Air Volume Terminal Units 'ATU-2-1-24' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
180	Variable Air Volume Terminal Units 'ATU-2-1-25' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
181	Variable Air Volume Terminal Units 'ATU-2-1-26' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -



Job Name:
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SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB HRS	UNIT MAT	UNIT LAB	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
248	Fin Tube Radiator (FTR-12A(B)) Manufacturer: VULCAN Model: VC3/4 45	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
249	Fin Tube Radiator (FTR-12B(B)) Manufacturer: VULCAN Model: VC3/4 45	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
250	Fin Tube Radiator (FTR-12C(B)) Manufacturer: VULCAN Model: VC3/4 45	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
251	Fin Tube Radiator (FTR-13A(B)) Manufacturer: VULCAN Model: VC3/4 45	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
252	Fin Tube Radiator (FTR-13B(B)) Manufacturer: VULCAN Model: VC3/4 45	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
253	Fin Tube Radiator (FTR-13C(B)) Manufacturer: VULCAN Model: VC3/4 45	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
254	Fin Tube Radiator (FTR-13D(B)) Manufacturer: VULCAN Model: VC3/4 45	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
255	Fin Tube Radiator (FTR-14A(B)) Manufacturer: VULCAN Model: VC3/4 45	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
256	Fin Tube Radiator (FTR-14B(B)) Manufacturer: VULCAN Model: VC3/4 45	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
257	Fan Coil Units (FCU) Fan Coil Units (FCU-2-2) Manufacturer: TRANE Model: SCV3-24 CFM:1000 Sensors & Detectors Thermostat Sensor	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
258	Thermostat Sensor	52	EA	0%	52.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
259	259 (13/4" Dia) Hot Water Supply Pipe Dropper (20 EA & 10" O" H)	200	LF	0%	200.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
260	260 (13/4" Dia) Hot Water Return Pipe (HW) Dropper (20 EA & 10" O" H)	200	LF	0%	200.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
261	261 (1" Dia) Condensate Drain Pipe Dropper (4 EA & 10" O" H) Third Floor Pipes	40	LF	0%	40.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
262	Hot Water Supply Pipe (HWS) 18/4" Dia Hot Water Supply Pipe (HWS) Material: Copper Type I / Schedule 40 Steel Pipe	279	LF	0%	279.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
263	17" Dia Hot Water Supply Pipe (HWS) Material: Copper Type I / Schedule 40 Steel Pipe	103	LF	0%	103.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
264	11-1/2" Dia Hot Water Supply Pipe (HWS) Material: Schedule 40 Steel Pipe	157	LF	0%	157.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
265	12" Dia Hot Water Supply Pipe (HWS) Material: Schedule 40 Steel Pipe	68	LF	0%	68.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
266	Hot Water Return Pipe (HWR) 18/4" Dia Hot Water Return Pipe (HWR) Material: Copper Type I / Schedule 40 Steel Pipe	288	LF	0%	288.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
267	17" Dia Hot Water Return Pipe (HWR) Material: Copper Type I / Schedule 40 Steel Pipe	102	LF	0%	102.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
268	11-1/2" Dia Hot Water Return Pipe (HWR) Material: Schedule 40 Steel Pipe	157	LF	0%	157.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
269	12" Dia Hot Water Return Pipe (HWR) Material: Schedule 40 Steel Pipe	69	LF	0%	69.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
270	Condensate Drain Pipe (CD) 13/4" Dia Condensate Drain Pipe (CD)	6	LF	0%	6.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
271	11" Dia Condensate Drain Pipe (CD) Fittings	132	LF	0%	132.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
272	13/4" Dia & 90 Degree Hot Water Supply Pipe (HWS) Bend	146	EA	0%	146.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
273	11" Dia & 90 Degree Hot Water Supply Pipe (HWS) Bend	6	EA	0%	6.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
274	11-1/2" Dia & 90 Degree Hot Water Supply Pipe (HWS) Bend	4	EA	0%	4.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
275	13/4" Dia & 90 Degree Hot Water Return Pipe (HWR) Bend	146	EA	0%	146.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
276	11" Dia & 90 Degree Hot Water Return Pipe (HWR) Bend	6	EA	0%	6.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
277	11-1/2" Dia & 90 Degree Hot Water Return Pipe (HWR) Bend	4	EA	0%	4.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
278	13/4" Dia & 90 Degree Condensate Drain Pipe (CD) Bend	4	EA	0%	4.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
279	11" Dia & 90 Degree Condensate Drain Pipe (CD) Bend	6	EA	0%	6.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
280	11-1/2" Dia & 90 Degree Condensate Drain Pipe (CD) Bend	4	EA	0%	4.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
281	11" Dia & 90 Degree Hot Water Supply Pipe (HWS) Tee	18	EA	0%	18.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
282	17" Dia & 90 Degree Hot Water Supply Pipe (HWS) Tee	7	EA	0%	7.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
283	11" Dia & 90 Degree Hot Water Return Pipe (HWR) Tee	5	EA	0%	5.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
284	11-1/2" Dia & 90 Degree Hot Water Return Pipe (HWR) Tee	5	EA	0%	5.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
285	17" Dia & 90 Degree Hot Water Return Pipe (HWR) Tee	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
286	Transitions 11" Dia To 3/4" Dia Hot Water Supply Pipe (HWS) Transition	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
287	17" Dia To 1-1/2" Dia Hot Water Supply Pipe (HWS) Transition	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
288	11" Dia To 3/4" Dia Hot Water Return Pipe (HWR) Transition	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
289	17" Dia To 1-1/2" Dia Hot Water Return Pipe (HWR) Transition	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
290	Connections 13/4" Dia Hot Water Supply Pipe (HWS) Connection From Existing To New	14	EA	0%	14.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
291	11" Dia Hot Water Supply Pipe (HWS) Connection From Existing To New	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
292	17" Dia Hot Water Supply Pipe (HWS) Connection From Existing To New	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
293	13/4" Dia Hot Water Return Pipe (HWR) Connection From Existing To New	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
294	11" Dia Hot Water Return Pipe (HWR) Connection From Existing To New	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
295	17" Dia Hot Water Return Pipe (HWR) Connection From Existing To New	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
296	11" Dia Condensate Drain Pipe (CD) Connection From Existing To New Valves 13/4" Dia Shutoff Valves	96	EA	0%	96.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
297	11/2" Dia Isolation Valves "V"	96	EA	0%	96.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
298	13/4" Dia Control Valves "V"	48	EA	0%	48.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
299	1/2" Testing Ports	96	EA	0%	96.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
300	Fittings Variable Air Volume Terminal Unit (VAVU) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
301	Variable Air Volume Terminal Unit (VAVU-3-1-2) Manufacturer: TRANE	7	EA	0%	7.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
302	Variable Air Volume Terminal Unit (VAVU-3-1-3) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
303	Variable Air Volume Terminal Unit (VAVU-3-1-4) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
304	Variable Air Volume Terminal Unit (VAVU-3-1-5) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
305	Variable Air Volume Terminal Unit (VAVU-3-1-6) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
306	Variable Air Volume Terminal Unit (VAVU-3-1-7) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
307	Variable Air Volume Terminal Unit (VAVU-3-1-8) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
308	Variable Air Volume Terminal Unit (VAVU-3-1-9) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
309	Variable Air Volume Terminal Unit (VAVU-3-1-10) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
310	Variable Air Volume Terminal Unit (VAVU-3-1-11) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
311	Variable Air Volume Terminal Unit (VAVU-3-1-12) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
312	Variable Air Volume Terminal Unit (VAVU-3-1-13) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
313	Variable Air Volume Terminal Unit (VAVU-3-1-14) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
314	Variable Air Volume Terminal Unit (VAVU-3-1-15) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
315	Variable Air Volume Terminal Unit (VAVU-3-1-17) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
316	Variable Air Volume Terminal Unit (VAVU-3-1-18) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
317	Variable Air Volume Terminal Unit (VAVU-3-1-19) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
318	Variable Air Volume Terminal Unit (VAVU-3-1-20) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
319	Variable Air Volume Terminal Unit (VAVU-3-1-21) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
320	Variable Air Volume Terminal Unit (VAVU-3-1-23) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
321	Variable Air Volume Terminal Unit (VAVU-3-1-24) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
322	Variable Air Volume Terminal Unit (VAVU-3-1-25) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
323	Variable Air Volume Terminal Unit (VAVU-3-1-26) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
324	Variable Air Volume Terminal Unit (VAVU-3-1-27) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
325	Variable Air Volume Terminal Unit (VAVU-3-1-28) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
326	Variable Air Volume Terminal Unit (VAVU-3-1-30) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
327	Variable Air Volume Terminal Unit (VAVU-3-1-31) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
328	Variable Air Volume Terminal Unit (VAVU-3-1-32) Manufacturer: TRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -



Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB HRS	UNIT MAT	UNIT LAB	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
330	Variable Air Volume Terminal Unit 'ATU-3-1-33' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
331	Variable Air Volume Terminal Unit 'ATU-3-1-34' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
332	Variable Air Volume Terminal Unit 'ATU-3-1-35' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
333	Variable Air Volume Terminal Unit 'ATU-3-1-36' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
334	Variable Air Volume Terminal Unit 'ATU-3-1-37' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
335	Variable Air Volume Terminal Unit 'ATU-3-1-38' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
336	Variable Air Volume Terminal Unit 'ATU-3-1-39' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
337	Variable Air Volume Terminal Unit 'ATU-3-1-40' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
338	Variable Air Volume Terminal Unit 'ATU-3-1-41' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
339	Variable Air Volume Terminal Unit 'ATU-3-1-42' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
340	Variable Air Volume Terminal Unit 'ATU-3-1-44' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
341	Variable Air Volume Terminal Unit 'ATU-3-1-45' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
342	Variable Air Volume Terminal Unit 'ATU-3-1-46' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
343	Variable Air Volume Terminal Unit 'ATU-3-1-47' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
344	Variable Air Volume Terminal Unit 'ATU-3-1-48' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
345	Variable Air Volume Terminal Unit 'ATU-3-1-49' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
346	Variable Air Volume Terminal Unit 'ATU-3-1-50' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
347	Variable Air Volume Terminal Unit 'ATU-3-1-51' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
348	Variable Air Volume Terminal Unit 'ATU-3-1-52' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
349	Sensor & Detectors	0	EA	0%	0.00	0.000	5	5	5	5	5
350	Thermosense Sensor	45	EA	0%	45.00	0.000	5	5	5	5	5
350	Pressure Sensor	8	EA	0%	8.00	0.000	5	5	5	5	5
350	Droppers	0	EA	0%	0.00	0.000	5	5	5	5	5
351	(1-1/2" Dia) Condensate Drain Pipe Dropper (2 EA & 10' LF) Fourth Floor Pipes	20	LF	0%	20.00	0.000	5	5	5	5	5
352	(1/4" Dia) Hot Water Supply Pipe 'HW' Material: Copper Type L / Schedule 40 Steel Pipe	278	LF	0%	278.00	0.000	5	5	5	5	5
353	(1" Dia) Hot Water Supply Pipe 'HW' Material: Copper Type L / Schedule 40 Steel Pipe	58	LF	0%	58.00	0.000	5	5	5	5	5
354	(1-1/2" Dia) Hot Water Supply Pipe 'HW' Material: Schedule 40 Steel Pipe	143	LF	0%	143.00	0.000	5	5	5	5	5
355	(2" Dia) Hot Water Supply Pipe 'HW' Material: Schedule 40 Steel Pipe	76	LF	0%	76.00	0.000	5	5	5	5	5
356	(1/4" Dia) Hot Water Return Pipe 'HW' Material: Copper Type L / Schedule 40 Steel Pipe	293	LF	0%	293.00	0.000	5	5	5	5	5
357	(1" Dia) Hot Water Return Pipe 'HW' Material: Copper Type L / Schedule 40 Steel Pipe	58	LF	0%	58.00	0.000	5	5	5	5	5
358	(1-1/2" Dia) Hot Water Return Pipe 'HW' Material: Schedule 40 Steel Pipe	144	LF	0%	144.00	0.000	5	5	5	5	5
359	(2" Dia) Hot Water Return Pipe 'HW' Material: Schedule 40 Steel Pipe	77	LF	0%	77.00	0.000	5	5	5	5	5
360	(1/4" Dia) Condensate Drain Pipe 'CD' Fittings	100	LF	0%	100.00	0.000	5	5	5	5	5
361	(1" Dia) Condensate Drain Pipe 'CD' Bends	1	EA	0%	1.00	0.000	5	5	5	5	5
362	(1/4" Dia & 90 Degree) Hot Water Supply Pipe 'HW' Bend	3	EA	0%	3.00	0.000	5	5	5	5	5
363	(1" Dia & 90 Degree) Hot Water Supply Pipe 'HW' Bend	4	EA	0%	4.00	0.000	5	5	5	5	5
364	(1-1/2" Dia & 90 Degree) Hot Water Supply Pipe 'HW' Bend	3	EA	0%	3.00	0.000	5	5	5	5	5
365	(1/4" Dia & 90 Degree) Hot Water Return Pipe 'HW' Bend	3	EA	0%	3.00	0.000	5	5	5	5	5
366	(1" Dia & 90 Degree) Hot Water Return Pipe 'HW' Bend	4	EA	0%	4.00	0.000	5	5	5	5	5
367	(1-1/2" Dia & 90 Degree) Hot Water Return Pipe 'HW' Bend	3	EA	0%	3.00	0.000	5	5	5	5	5
368	(1/4" Dia & 90 Degree) Condensate Drain Pipe 'CD' Bend	2	EA	0%	2.00	0.000	5	5	5	5	5
369	(1" Dia & 90 Degree) Condensate Drain Pipe 'CD' Bend	3	EA	0%	3.00	0.000	5	5	5	5	5
370	(1-1/2" Dia & 90 Degree) Hot Water Supply Pipe 'HW' Tee	1	EA	0%	1.00	0.000	5	5	5	5	5
371	(1" Dia & 90 Degree) Hot Water Supply Pipe 'HW' Tee	1	EA	0%	1.00	0.000	5	5	5	5	5
372	(1-1/2" Dia & 90 Degree) Hot Water Supply Pipe 'HW' Tee	16	EA	0%	16.00	0.000	5	5	5	5	5
373	(1/4" Dia & 90 Degree) Hot Water Return Pipe 'HW' Tee	10	EA	0%	10.00	0.000	5	5	5	5	5
374	(1" Dia & 90 Degree) Hot Water Return Pipe 'HW' Tee	2	EA	0%	2.00	0.000	5	5	5	5	5
375	(1-1/2" Dia & 90 Degree) Hot Water Return Pipe 'HW' Tee	6	EA	0%	6.00	0.000	5	5	5	5	5
376	(1-1/2" Dia & 90 Degree) Hot Water Return Pipe 'HW' Tee	16	EA	0%	16.00	0.000	5	5	5	5	5
377	(2" Dia & 90 Degree) Hot Water Return Pipe 'HW' Tee	10	EA	0%	10.00	0.000	5	5	5	5	5
378	(1/4" Dia) Hot Water Supply Pipe 'HW' Connection From Existing To New	12	EA	0%	12.00	0.000	5	5	5	5	5
379	(1-1/2" Dia) Hot Water Supply Pipe 'HW' Connection From Existing To New	1	EA	0%	1.00	0.000	5	5	5	5	5
380	(1" Dia) Hot Water Supply Pipe 'HW' Connection From Existing To New	1	EA	0%	1.00	0.000	5	5	5	5	5
381	(1/4" Dia) Hot Water Return Pipe 'HW' Connection From Existing To New	12	EA	0%	12.00	0.000	5	5	5	5	5
382	(1-1/2" Dia) Hot Water Return Pipe 'HW' Connection From Existing To New	3	EA	0%	3.00	0.000	5	5	5	5	5
383	(2" Dia) Hot Water Return Pipe 'HW' Connection From Existing To New	1	EA	0%	1.00	0.000	5	5	5	5	5
384	Valves	0	EA	0%	0.00	0.000	5	5	5	5	5
385	(1/4" Dia) Shut-off Valves	88	EA	0%	88.00	0.000	5	5	5	5	5
385	(3/4" Dia) Isolation Valve 'IV'	86	EA	0%	86.00	0.000	5	5	5	5	5
386	(3/4" Dia) Control Valve 'TV'	43	EA	0%	43.00	0.000	5	5	5	5	5
387	1/2" Test Pits	86	EA	0%	86.00	0.000	5	5	5	5	5
388	Transitions	0	EA	0%	0.00	0.000	5	5	5	5	5
389	(1" Dia To 3/4" Dia) Hot Water Supply Pipe 'HW' Transition	1	EA	0%	1.00	0.000	5	5	5	5	5
390	(2" Dia To 1-1/2" Dia) Hot Water Supply Pipe 'HW' Transition	1	EA	0%	1.00	0.000	5	5	5	5	5
391	(1-1/2" Dia To 1" Dia) Hot Water Supply Pipe 'HW' Transition	2	EA	0%	2.00	0.000	5	5	5	5	5
392	(1" Dia To 3/4" Dia) Hot Water Return Pipe 'HW' Transition	1	EA	0%	1.00	0.000	5	5	5	5	5
393	(1-1/2" Dia To 1" Dia) Hot Water Return Pipe 'HW' Transition	2	EA	0%	2.00	0.000	5	5	5	5	5
394	(2" Dia To 1-1/2" Dia) Hot Water Return Pipe 'HW' Transition	1	EA	0%	1.00	0.000	5	5	5	5	5
394	Variable Air Volume Terminal Unit 'ATM' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
395	Variable Air Volume Terminal Unit 'ATU-4-1-1' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
396	Variable Air Volume Terminal Unit 'ATU-4-1-3' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
397	Variable Air Volume Terminal Unit 'ATU-4-1-4' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
398	Variable Air Volume Terminal Unit 'ATU-4-1-5' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
399	Variable Air Volume Terminal Unit 'ATU-4-1-6' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
400	Variable Air Volume Terminal Unit 'ATU-4-1-7' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
401	Variable Air Volume Terminal Unit 'ATU-4-1-8' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
402	Variable Air Volume Terminal Unit 'ATU-4-1-10' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
403	Variable Air Volume Terminal Unit 'ATU-4-1-13' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
404	Variable Air Volume Terminal Unit 'ATU-4-1-14' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
405	Variable Air Volume Terminal Unit 'ATU-4-1-15' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
406	Variable Air Volume Terminal Unit 'ATU-4-1-16' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
407	Variable Air Volume Terminal Unit 'ATU-4-1-17' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
408	Variable Air Volume Terminal Unit 'ATU-4-1-19' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
409	Variable Air Volume Terminal Unit 'ATU-4-1-20' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
410	Variable Air Volume Terminal Unit 'ATU-4-1-21' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
411	Variable Air Volume Terminal Unit 'ATU-4-1-22' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
412	Variable Air Volume Terminal Unit 'ATU-4-1-23' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
413	Variable Air Volume Terminal Unit 'ATU-4-1-24' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
414	Variable Air Volume Terminal Unit 'ATU-4-1-25' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
415	Variable Air Volume Terminal Unit 'ATU-4-1-26' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
416	Variable Air Volume Terminal Unit 'ATU-4-1-27' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
417	Variable Air Volume Terminal Unit 'ATU-4-1-28' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5
418	Variable Air Volume Terminal Unit 'ATU-4-1-29' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	5



Job Name:
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SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB HRS	UNIT MAT	UNIT LAB	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
419	Variable Air Volume Terminal Unit 'ATU-4-1-30' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
420	Variable Air Volume Terminal Unit 'ATU-4-1-31' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
421	Variable Air Volume Terminal Unit 'ATU-4-1-32' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
422	Variable Air Volume Terminal Unit 'ATU-4-1-33' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
423	Variable Air Volume Terminal Unit 'ATU-4-1-34' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
424	Variable Air Volume Terminal Unit 'ATU-4-1-35' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
425	Variable Air Volume Terminal Unit 'ATU-4-1-36' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
426	Variable Air Volume Terminal Unit 'ATU-4-1-37' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
427	Variable Air Volume Terminal Unit 'ATU-4-1-38' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
428	Variable Air Volume Terminal Unit 'ATU-4-1-39' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
429	Variable Air Volume Terminal Unit 'ATU-4-1-40' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
430	Variable Air Volume Terminal Unit 'ATU-4-1-41' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
431	Variable Air Volume Terminal Unit 'ATU-4-1-42' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
432	Variable Air Volume Terminal Unit 'ATU-4-1-43' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
433	Variable Air Volume Terminal Unit 'ATU-4-1-44' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
434	Variable Air Volume Terminal Unit 'ATU-4-1-45' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
435	Variable Air Volume Terminal Unit 'ATU-4-1-46' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
436	Variable Air Volume Terminal Unit 'ATU-4-1-47' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
437	Sensor & Detectors										
437	Thermostatic Sensor	41	EA	0%	41.00	0.000	5	5	5	5	-
438	Pressure Sensor	8	EA	0%	8.00	0.000	5	5	5	5	-
439	Dropcap	20	LF	0%	20.00	0.000	5	5	5	5	-
439	11-1/4" Condensate Drain Pipe Dropper (2 EA & 10' 0" H) Fifth Floor										
	Flange										
	Hot Water Supply Pipe HW5'										
440	13/4" Dia Hot Water Supply Pipe 'HW5'	304	LF	0%	304.00	0.000	5	5	5	5	-
441	17" Dia Hot Water Supply Pipe 'HW5'	79	LF	0%	79.00	0.000	5	5	5	5	-
442	1-1/4" Dia Hot Water Supply Pipe 'HW5'	130	LF	0%	130.00	0.000	5	5	5	5	-
443	1-1/2" Dia Hot Water Supply Pipe 'HW5'	93	LF	0%	93.00	0.000	5	5	5	5	-
444	12" Dia Hot Water Supply Pipe 'HW5'	71	LF	0%	71.00	0.000	5	5	5	5	-
445	13/4" Dia Hot Water Return Pipe 'HW5'	322	LF	0%	322.00	0.000	5	5	5	5	-
446	1-1/4" Dia Hot Water Return Pipe 'HW5'	76	LF	0%	76.00	0.000	5	5	5	5	-
447	1-1/4" Dia Hot Water Return Pipe 'HW5'	131	LF	0%	131.00	0.000	5	5	5	5	-
448	1-1/2" Dia Hot Water Return Pipe 'HW5'	93	LF	0%	93.00	0.000	5	5	5	5	-
449	12" Dia Hot Water Return Pipe 'HW5'	70	LF	0%	70.00	0.000	5	5	5	5	-
450	Condensate Drain Pipe 'CD'	13	LF	0%	13.00	0.000	5	5	5	5	-
451	13/4" Dia Condensate Drain Pipe 'CD'	104	LF	0%	104.00	0.000	5	5	5	5	-
	Elbows										
	Bends										
452	13/4" Dia & 90 Degree Hot Water Supply Pipe 'HW5' Bend	158	EA	0%	158.00	0.000	5	5	5	5	-
453	1-1/4" Dia & 90 Degree Hot Water Supply Pipe 'HW5' Bend	2	EA	0%	2.00	0.000	5	5	5	5	-
454	1-1/4" Dia & 90 Degree Hot Water Supply Pipe 'HW5' Bend	4	EA	0%	4.00	0.000	5	5	5	5	-
455	1-1/2" Dia & 90 Degree Hot Water Supply Pipe 'HW5' Bend	2	EA	0%	2.00	0.000	5	5	5	5	-
456	13/4" Dia & 90 Degree Hot Water Return Pipe 'HW5' Bend	158	EA	0%	158.00	0.000	5	5	5	5	-
457	1-1/4" Dia & 90 Degree Hot Water Return Pipe 'HW5' Bend	7	EA	0%	7.00	0.000	5	5	5	5	-
458	1-1/2" Dia & 90 Degree Hot Water Return Pipe 'HW5' Bend	7	EA	0%	7.00	0.000	5	5	5	5	-
459	1-1/2" Dia & 90 Degree Hot Water Return Pipe 'HW5' Bend	1	EA	0%	1.00	0.000	5	5	5	5	-
	Tees										
460	13/4" Dia & 90 Degree Hot Water Supply Pipe 'HW5' Tee	4	EA	0%	4.00	0.000	5	5	5	5	-
461	1-1/4" Dia & 90 Degree Hot Water Supply Pipe 'HW5' Tee	4	EA	0%	4.00	0.000	5	5	5	5	-
462	1-1/2" Dia & 90 Degree Hot Water Supply Pipe 'HW5' Tee	12	EA	0%	12.00	0.000	5	5	5	5	-
463	1-1/2" Dia & 90 Degree Hot Water Supply Pipe 'HW5' Tee	12	EA	0%	12.00	0.000	5	5	5	5	-
464	1-1/2" Dia & 90 Degree Hot Water Return Pipe 'HW5' Tee	6	EA	0%	6.00	0.000	5	5	5	5	-
465	13/4" Dia & 90 Degree Hot Water Return Pipe 'HW5' Tee	4	EA	0%	4.00	0.000	5	5	5	5	-
466	1-1/4" Dia & 90 Degree Hot Water Return Pipe 'HW5' Tee	8	EA	0%	8.00	0.000	5	5	5	5	-
467	1-1/2" Dia & 90 Degree Hot Water Return Pipe 'HW5' Tee	12	EA	0%	12.00	0.000	5	5	5	5	-
468	1-1/2" Dia & 90 Degree Hot Water Return Pipe 'HW5' Tee	12	EA	0%	12.00	0.000	5	5	5	5	-
469	13/4" Dia & 90 Degree Condensate Drain Pipe 'CD' Bend	6	EA	0%	6.00	0.000	5	5	5	5	-
470	13/4" Dia & 90 Degree Condensate Drain Pipe 'CD' Bend	6	EA	0%	6.00	0.000	5	5	5	5	-
471	11-1/4" Dia & 90 Degree Condensate Drain Pipe 'CD' Bend	8	EA	0%	8.00	0.000	5	5	5	5	-
	Transitions										
472	11-1/4" Dia To 3/4" Dia Hot Water Supply Pipe 'HW5' Transition	1	EA	0%	1.00	0.000	5	5	5	5	-
473	1-1/4" Dia To 1-1/4" Dia Hot Water Supply Pipe 'HW5' Transition	1	EA	0%	1.00	0.000	5	5	5	5	-
474	1-1/2" Dia To 1-1/2" Dia Hot Water Supply Pipe 'HW5' Transition	1	EA	0%	1.00	0.000	5	5	5	5	-
475	1-1/2" Dia To 1-1/2" Dia Hot Water Supply Pipe 'HW5' Transition	1	EA	0%	1.00	0.000	5	5	5	5	-
476	1-1/4" Dia To 1-1/4" Dia Hot Water Supply Pipe 'HW5' Transition	2	EA	0%	2.00	0.000	5	5	5	5	-
477	1-1/4" Dia To 3/4" Dia Hot Water Return Pipe 'HW5' Transition	1	EA	0%	1.00	0.000	5	5	5	5	-
478	1-1/4" Dia To 1-1/4" Dia Hot Water Return Pipe 'HW5' Transition	1	EA	0%	1.00	0.000	5	5	5	5	-
479	1-1/2" Dia To 1-1/2" Dia Hot Water Return Pipe 'HW5' Transition	1	EA	0%	1.00	0.000	5	5	5	5	-
480	11-1/4" Dia To 1-1/4" Dia Hot Water Return Pipe 'HW5' Transition	1	EA	0%	1.00	0.000	5	5	5	5	-
481	11-1/4" Dia To 1-1/2" Dia Hot Water Return Pipe 'HW5' Transition	1	EA	0%	1.00	0.000	5	5	5	5	-
482	11-1/4" Dia & 90 Degree Condensate Drain Pipe 'CD' Tee	1	EA	0%	1.00	0.000	5	5	5	5	-
	Connections										
483	13/4" Dia Hot Water Supply Pipe 'HW5' Connection From Existing To New	14	EA	0%	14.00	0.000	5	5	5	5	-
484	1-1/4" Dia Hot Water Supply Pipe 'HW5' Connection From Existing To New	1	EA	0%	1.00	0.000	5	5	5	5	-
485	1-1/2" Dia Hot Water Supply Pipe 'HW5' Connection From Existing To New	2	EA	0%	2.00	0.000	5	5	5	5	-
486	13/4" Dia Hot Water Return Pipe 'HW5' Connection From Existing To New	14	EA	0%	14.00	0.000	5	5	5	5	-
487	1-1/4" Dia Hot Water Return Pipe 'HW5' Connection From Existing To New	1	EA	0%	1.00	0.000	5	5	5	5	-
488	1-1/2" Dia Hot Water Return Pipe 'HW5' Connection From Existing To New	1	EA	0%	1.00	0.000	5	5	5	5	-
489	11-1/4" Dia Hot Water Return Pipe 'HW5' Connection From Existing To New	1	EA	0%	1.00	0.000	5	5	5	5	-
490	11-1/4" Dia Condensate Drain Pipe 'CD' Connection From Existing To New	2	EA	0%	2.00	0.000	5	5	5	5	-
	Valves										
491	13/4" Dia Shut Off Valve	108	EA	0%	108.00	0.000	5	5	5	5	-
492	1-1/4" Dia Shut Off Valve	2	EA	0%	2.00	0.000	5	5	5	5	-
493	13/4" Dia Isolation Valve 'V'	92	EA	0%	92.00	0.000	5	5	5	5	-
494	13/4" Dia Control Valve 'V'	46	EA	0%	46.00	0.000	5	5	5	5	-
495	13/4" Dia Control Valve 'V'	92	EA	0%	92.00	0.000	5	5	5	5	-
	Return										
	Variable Air Volume Terminal Unit 'ATU'										
496	Variable Air Volume Terminal Unit 'ATU-5-1-1' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
497	Variable Air Volume Terminal Unit 'ATU-5-1-2' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
498	Variable Air Volume Terminal Unit 'ATU-5-1-3' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
499	Variable Air Volume Terminal Unit 'ATU-5-1-4' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
500	Variable Air Volume Terminal Unit 'ATU-5-1-5' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
501	Variable Air Volume Terminal Unit 'ATU-5-1-6' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
502	Variable Air Volume Terminal Unit 'ATU-5-1-7' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
503	Variable Air Volume Terminal Unit 'ATU-5-1-8' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
504	Variable Air Volume Terminal Unit 'ATU-5-1-9' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
505	Variable Air Volume Terminal Unit 'ATU-5-1-10' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
506	Variable Air Volume Terminal Unit 'ATU-5-1-11' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
507	Variable Air Volume Terminal Unit 'ATU-5-1-12' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
508	Variable Air Volume Terminal Unit 'ATU-5-1-13' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
509	Variable Air Volume Terminal Unit 'ATU-5-1-14' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
510	Variable Air Volume Terminal Unit 'ATU-5-1-15' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
511	Variable Air Volume Terminal Unit 'ATU-5-1-16' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
512	Variable Air Volume Terminal Unit 'ATU-5-1-17' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-
513	Variable Air Volume Terminal Unit 'ATU-5-1-18' Manufacturer: TRANE	1	EA	0%	1.00	0.000	5	5	5	5	-



TAKEOFF & COST ESTIMATE

Job Name:
Address:
Date:

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	LAB HRS	UNIT MAT	UNIT LAB	UNIT MAT/UNIT LAB	TOTAL COST	TRADE COST
514	Variable Air Volume Terminal Unit 'ATU-5-1-13' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
515	Variable Air Volume Terminal Unit 'ATU-5-1-20' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
516	Variable Air Volume Terminal Unit 'ATU-5-1-21' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
517	Variable Air Volume Terminal Unit 'ATU-5-1-22' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
518	Variable Air Volume Terminal Unit 'ATU-5-1-23' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
519	Variable Air Volume Terminal Unit 'ATU-5-1-24' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
520	Variable Air Volume Terminal Unit 'ATU-5-1-25' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
521	Variable Air Volume Terminal Unit 'ATU-5-1-26' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
522	Variable Air Volume Terminal Unit 'ATU-5-1-27' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
523	Variable Air Volume Terminal Unit 'ATU-5-1-28' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
524	Variable Air Volume Terminal Unit 'ATU-5-1-29' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
525	Variable Air Volume Terminal Unit 'ATU-5-1-30' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
526	Variable Air Volume Terminal Unit 'ATU-5-1-31' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
527	Variable Air Volume Terminal Unit 'ATU-5-1-32' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
528	Variable Air Volume Terminal Unit 'ATU-5-1-33' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
529	Variable Air Volume Terminal Unit 'ATU-5-1-34' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
530	Variable Air Volume Terminal Unit 'ATU-5-1-35' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
531	Variable Air Volume Terminal Unit 'ATU-5-1-36' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
532	Variable Air Volume Terminal Unit 'ATU-5-1-38' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
533	Variable Air Volume Terminal Unit 'ATU-5-1-39' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
534	Variable Air Volume Terminal Unit 'ATU-5-1-40' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
535	Variable Air Volume Terminal Unit 'ATU-5-1-41' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
536	Variable Air Volume Terminal Unit 'ATU-5-1-42' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
537	Variable Air Volume Terminal Unit 'ATU-5-1-44' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
538	Variable Air Volume Terminal Unit 'ATU-5-1-45' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
539	Variable Air Volume Terminal Unit 'ATU-5-1-46' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
540	Variable Air Volume Terminal Unit 'ATU-5-1-47' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
541	Variable Air Volume Terminal Unit 'ATU-5-1-48' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
542	RA Variable Terminal Unit 'RAV-5-1-2' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
543	RA Variable Terminal Unit 'RAV-5-1-3' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
544	RA Variable Terminal Unit 'RAV-5-1-5' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
545	RA Variable Terminal Unit 'RAV-5-1-7' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
546	RA Variable Terminal Unit 'RAV-5-1-8' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
547	RA Variable Terminal Unit 'RAV-5-1-9' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
548	RA Variable Terminal Unit 'RAV-5-1-10' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
549	RA Variable Terminal Unit 'RAV-5-1-12' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
550	RA Variable Terminal Unit 'RAV-5-1-13' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
551	RA Variable Terminal Unit 'RAV-5-1-15' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
552	RA Variable Terminal Unit 'RAV-5-1-16' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
553	RA Variable Terminal Unit 'RAV-5-1-17' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
554	RA Variable Terminal Unit 'RAV-5-1-18' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
555	RA Variable Terminal Unit 'RAV-5-1-20' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
556	RA Variable Terminal Unit 'RAV-5-1-23' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
557	RA Variable Terminal Unit 'RAV-5-1-24' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
558	RA Variable Terminal Unit 'RAV-5-1-25' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
559	RA Variable Terminal Unit 'RAV-5-1-26' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
560	RA Variable Terminal Unit 'RAV-5-1-27' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
561	RA Variable Terminal Unit 'RAV-5-1-28' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
562	RA Variable Terminal Unit 'RAV-5-1-30' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
563	RA Variable Terminal Unit 'RAV-5-1-31' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
564	RA Variable Terminal Unit 'RAV-5-1-32' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
565	RA Variable Terminal Unit 'RAV-5-1-34' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
566	RA Variable Terminal Unit 'RAV-5-1-35' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
567	RA Variable Terminal Unit 'RAV-5-1-41' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
568	RA Variable Terminal Unit 'RAV-5-1-44/45' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
569	RA Variable Terminal Unit 'RAV-5-1-46/47' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
570	RA Variable Terminal Unit 'RAV-5-1-48' Manufacturer: FRANE	1	EA	0%	1.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
571	Sensor & Detectors Termostate Sensor	46	EA	0%	46.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
572	Pressure Sensor	26	EA	0%	26.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
573	Clamps 1" Dia Condensate Drain Pipe Drooper (2 EA & 10' 0" ht)	20	LF	0%	20.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
574	Hangers, Supports / Rods (Horizontal Piping) Hangers, Supports / Rods & Clamps (1/2") Rod	735	EA	0%	735.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
575	Hangers, Supports / Rods For (3/4" Dia) Pipe (1/2") Rod	322	EA	0%	322.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
576	Hangers, Supports / Rods For (1-1/4" Dia) Pipe (1/2") Rod	55	EA	0%	55.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
577	Hangers, Supports / Rods For (1-1/2" Dia) Pipe (3/8") Rod	133	EA	0%	133.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
578	Hangers, Supports / Rods For (2" Dia) Pipe (1/2") Rod	90	EA	0%	90.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
579	Hangers, Supports / Rods For (2-1/2" Dia) Pipe (1/2") Rod	6	EA	0%	6.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
580	Clamps (Vertical Piping) MSS Type 8 or 43, Clamps	50	EA	0%	50.00	0.000	\$ -	\$ -	\$ -	\$ -	\$ -
Sub Total										50	50
PROJECTED COST											
Overhead										20%	\$ -
Contingency										5%	\$ -
Insurance										3%	\$ -
SUGGESTED BID											\$ -