

DETAILED BREAKDOWN OF ITEMS												
Prepared for: Prevea Health On Investors Court												
Project ID: 503 North Maple Street, Grand Chute, WI 54913												
Scope: HVAC												
										Date:	14-Oct-22	
SR #	DESCRIPTION	SR	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MAN/HR	LABOR COST	MAT. COST	UNIT COST	SUB COST	
GENERAL REQUIREMENTS												
1	Permits		LS	1	0%	1	0.000	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00	
2	Supervision and Coordination		LS	1.5	0%	2	0.000	\$ -	\$ -	\$ 10,000.00	\$ 15,000.00	
3	Submittals and Shop drawings		LS	1	0%	1	0.000	\$ -	\$ -	\$ 2,500.00	\$ 2,500.00	
4	Final Cleaning		LS	1	0%	1	0.000	\$ -	\$ -	\$ 1,000.00	\$ 1,000.00	
5	Mobilization Costs		LS	1	0%	1	0.000	\$ -	\$ -	\$ 10,000.00	\$ 10,000.00	
6	Temporary Control & Facilities		LS	1	0%	1	0.000	\$ -	\$ -	\$ 1,500.00	\$ 1,500.00	
7	Scaffolding		SF	0	0%	0	0.000	\$ -	\$ -	\$ 1,800.00	\$ -	
						LABOUR RATE	\$ 62.00					SUBTOTAL \$ 35,000
HVAC												
Flexible Duct												
8	6" Dia Flexible Duct		LF	52	10%	57	0.060	\$ 3.72	\$ 5.84	\$ 9.56	\$ 549.04	
9	8" Dia Flexible Duct		LF	141	10%	155	0.060	\$ 3.72	\$ 6.45	\$ 10.17	\$ 1,574.57	
10	10" Dia Flexible Duct		LF	7	10%	7	0.082	\$ 5.08	\$ 9.10	\$ 14.18	\$ 106.10	
11	12" Dia Flexible Duct		LF	32	10%	35	0.082	\$ 5.08	\$ 12.30	\$ 17.38	\$ 605.61	
12	14" Dia Flexible Duct		LF	10	10%	11	0.090	\$ 5.55	\$ 16.60	\$ 20.08	\$ 217.13	
13	16" Dia Flexible Duct		LF	8	10%	8	0.100	\$ 6.20	\$ 20.80	\$ 23.70	\$ 196.05	
Hot Water Supply Pipe Underground												
Schedule 40 Black Steel Pipe With ASTM A53, Type F, Standard Weight With ASTM A126/ANSI B16.4, Class 125, Standard Weight Cast Iron Threaded Fittings												
14	1/2" Dia Hot Water Supply Pipe		LF	55	10%	61	0.080	\$ 2.42	\$ 2.70	\$ 7.66	\$ 466.21	
Insulation												
1" Pipe, WATTS R-Flex Dual												
15	1/2" Dia Hot Water Supply Pipe		LF	55	10%	61		\$ 2.42	\$ 2.80	\$ 5.22	\$ 317.58	
Hot Water Supply Pipe Fittings												
Elbow												
16	1/2" Dia Hot Water Supply Pipe 90 Deg Elbow		EA	8	0%	8		\$ 15.50	\$ 2.71	\$ 18.21	\$ 145.68	
Hot Water Return Pipe												
Schedule 40 Black Steel Pipe With ASTM A53, Type F, Standard Weight With ASTM A126/ANSI B16.4, Class 125, Standard Weight Cast Iron Threaded Fittings												
17	1/2" Dia Hot Water Supply Pipe		LF	241	10%	265	0.080	\$ 4.96	\$ 2.70	\$ 7.66	\$ 2,028.73	
18	3/4" Dia Hot Water Supply Pipe		LF	335	10%	368	0.098	\$ 6.08	\$ 2.95	\$ 9.03	\$ 3,323.00	
19	1" Dia Hot Water Supply Pipe		LF	16	10%	17	0.170	\$ 10.54	\$ 3.53	\$ 14.07	\$ 243.92	
20	1-1/4" Dia Hot Water Supply Pipe		LF	54	10%	60	0.200	\$ 12.40	\$ 3.90	\$ 16.30	\$ 974.67	
21	1-1/2" Dia Hot Water Supply Pipe		LF	48	10%	53	0.240	\$ 14.88	\$ 4.80	\$ 19.68	\$ 1,039.75	
22	2" Dia Hot Water Supply Pipe		LF	170	10%	187	0.280	\$ 17.36	\$ 6.70	\$ 24.06	\$ 4,506.90	
Insulation												
1-1/2" Thick, Rigid Fiberglass Pipe Insulation, White Kraft Reinforced Foil Vapor Barrier All Service Jacket, Factory Applied, KNAUF INSULATION BOARD With Ecosse												
23	1/2" Dia Hot Water Supply Pipe		LF		10%	265	0.039	\$ 2.42	\$ 2.80	\$ 5.22	\$ 1,381.97	
24	3/4" Dia Hot Water Supply Pipe		LF	335	10%	368	0.039	\$ 2.42	\$ 2.95	\$ 5.37	\$ 1,976.28	
25	1" Dia Hot Water Supply Pipe		LF	16	10%	17	0.056	\$ 3.47	\$ 3.20	\$ 6.67	\$ 115.67	
26	1-1/4" Dia Hot Water Supply Pipe		LF	54	10%	60	0.056	\$ 3.47	\$ 3.50	\$ 6.97	\$ 416.90	
27	1-1/2" Dia Hot Water Supply Pipe		LF	48	10%	53	0.062	\$ 3.84	\$ 3.96	\$ 7.80	\$ 412.31	
2" Thick, Rigid Fiberglass Pipe Insulation, White Kraft Reinforced Foil Vapor Barrier All Service Jacket, Factory Applied, KNAUF INSULATION BOARD With Ecosse												
28	2" Dia Hot Water Supply Pipe				10%	187	0.280	\$ 17.36	\$ 6.70	\$ 24.06	\$ 4,506.90	
Hot Water Supply Pipe Fittings												
Elbow												
29	1/2" Dia Hot Water Supply Pipe 90 Deg Elbow		EA	76	0%	76	0.250	\$ 15.50	\$ 2.71	\$ 18.21	\$ 1,383.96	
30	3/4" Dia Hot Water Supply Pipe 90 Deg Elbow		EA	51	0%	51	0.300	\$ 18.60	\$ 3.20	\$ 21.80	\$ 1,111.80	
31	1" Dia Hot Water Supply Pipe 90 Deg Elbow		EA	7	0%	7	0.350	\$ 21.70	\$ 3.80	\$ 25.50	\$ 178.50	
32	1-1/2" Dia Hot Water Supply Pipe 90 Deg Elbow		EA	11	0%	11	0.450	\$ 2				

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SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MAN/HR	LABOR COST	MAT. COST	UNIT COST	SUB COST
53	1/2" Dia Hot Water Return Pipe	LF	234	10%	258	0.080	\$ 4.96	\$ 2.70	\$ 7.66	\$ 1,973.12
54	3/4" Dia Hot Water Return Pipe	LF	367	10%	403	0.098	\$ 6.08	\$ 2.95	\$ 9.03	\$ 3,639.82
55	1" Dia Hot Water Return Pipe	LF	46	10%	50	0.170	\$ 10.54	\$ 3.53	\$ 14.07	\$ 708.54
56	1-1/4" Dia Hot Water Return Pipe	LF	17	10%	19	0.200	\$ 12.40	\$ 3.90	\$ 16.30	\$ 311.98
57	1-1/2" Dia Hot Water Return Pipe	LF	38	10%	41	0.240	\$ 14.88	\$ 4.80	\$ 19.68	\$ 812.88
58	2" Dia Hot Water Return Pipe	LF	199	10%	219	0.280	\$ 17.36	\$ 6.70	\$ 24.06	\$ 5,258.00
	Insulation									
	1-1/2" Thick, Rigid Fiberglass Pipe Insulation, White Kraft Reinforced Foil Vapor Barrier All Service Jacket, Factory Applied, KNAUF INSULATION BOARD With Ecosse									
59	1/2" Dia Hot Water Return Pipe	LF	234	10%	258	0.039	\$ 2.42	\$ 2.80	\$ 5.22	\$ 1,344.09
60	3/4" Dia Hot Water Return Pipe	LF	367	10%	403	0.039	\$ 2.42	\$ 2.95	\$ 5.37	\$ 2,164.70
61	1" Dia Hot Water Return Pipe	LF	46	10%	50	0.056	\$ 3.47	\$ 3.20	\$ 6.67	\$ 335.99
62	1-1/4" Dia Hot Water Return Pipe	LF	17	10%	19	0.056	\$ 3.47	\$ 3.50	\$ 6.97	\$ 133.44
63	1-1/2" Dia Hot Water Return Pipe	LF	38	10%	41	0.062	\$ 3.84	\$ 3.96	\$ 7.80	\$ 322.34
	2" Thick, Rigid Fiberglass Pipe Insulation, White Kraft Reinforced Foil Vapor Barrier All Service Jacket, Factory Applied, KNAUF INSULATION BOARD With Ecosse									
64	2" Dia Hot Water Return Pipe	LF	199	10%	219	0.280	\$ 17.36	\$ 6.70	\$ 24.06	\$ 5,258.00
	Hot Water Return Pipe Fittings									
	Elbow									
65	1" Dia Hot Water Return Pipe 90 Deg Elbow	EA	9	0%	9	0.350	\$ 21.70	\$ 3.80	\$ 25.50	\$ 229.50
66	1/2" Dia Hot Water Return Pipe 90 Deg Elbow	EA	77	0%	77	0.250	\$ 15.50	\$ 2.71	\$ 18.21	\$ 1,402.17
67	1-1/2" Dia Hot Water Return Pipe 90 Deg Elbow	EA	2	0%	2	0.450	\$ 27.90	\$ 4.50	\$ 32.40	\$ 64.80
68	1-1/4" Dia Hot Water Return Pipe 90 Deg Elbow	EA	1	0%	1	1.450	\$ 89.90	\$ 4.70	\$ 94.60	\$ 94.60
69	2" Dia Hot Water Return Pipe 90 Deg Elbow	EA	27	0%	27	0.480	\$ 29.76	\$ 5.00	\$ 34.76	\$ 938.52
70	3/4" Dia Hot Water Return Pipe 90 Deg Elbow	EA	55	0%	55	0.300	\$ 18.60	\$ 3.20	\$ 21.80	\$ 1,199.00
	Tee									
71	3/4" Dia Hot Water Return Pipe Tee	EA	2	0%	2	0.330	\$ 20.46	\$ 8.61	\$ 29.07	\$ 58.14
72	2" Dia Hot Water Return Pipe Tee	EA	2	0%	2	0.980	\$ 60.76	\$ 24.00	\$ 84.76	\$ 169.52
73	3/4" / 1/2" Dia Hot Water Return Pipe Tee	EA	4	0%	4	0.600	\$ 37.20	\$ 13.10	\$ 50.30	\$ 201.20
74	1" / 1/2" Dia Hot Water Return Pipe Tee	EA	2	0%	2	0.650	\$ 40.30	\$ 14.50	\$ 54.80	\$ 109.60
75	1" / 3/4" Dia Hot Water Return Pipe Tee	EA	1	0%	1	0.650	\$ 40.30	\$ 14.50	\$ 54.80	\$ 54.80
76	1-1/4" / 1/2" Dia Hot Water Return Pipe Tee	EA	1	0%	1	0.780	\$ 48.36	\$ 15.60	\$ 63.96	\$ 63.96
77	1-1/4" / 3/4" Dia Hot Water Return Pipe Tee	EA	1	0%	1	0.780	\$ 48.36	\$ 16.70	\$ 65.06	\$ 65.06
78	1-1/2" / 1/2" Dia Hot Water Return Pipe Tee	EA	1	0%	1	0.780	\$ 48.36	\$ 17.80	\$ 66.16	\$ 66.16
79	1-1/2" / 3/4" Dia Hot Water Return Pipe Tee	EA	3	0%	3	0.780	\$ 48.36	\$ 18.50	\$ 66.86	\$ 200.58
80	2" / 1/2" Dia Hot Water Return Pipe Tee	EA	11	0%	11	0.780	\$ 48.36	\$ 24.00	\$ 72.36	\$ 932.36
81	2" / 3/4" Dia Hot Water Return Pipe Tee	EA	6	0%	6	0.980	\$ 60.76	\$ 27.00	\$ 87.76	\$ 526.56
82	2" / 1" Dia Hot Water Return Pipe Tee	EA	3	0%	3	1.200	\$ 74.40	\$ 32.00	\$ 106.40	\$ 319.20
	Reducer									
83	3/4" / 1/2" Dia Hot Water Return Pipe Reducer	EA	2	0%	2	0.600	\$ 37.20	\$ 13.10	\$ 50.30	\$ 100.60
84	1" / 3/4" Dia Hot Water Return Pipe Reducer	EA	1	0%	1	0.650	\$ 40.30	\$ 14.80	\$ 55.10	\$ 55.10
85	1-1/4" / 1" Dia Hot Water Return Pipe Reducer	EA	1	0%	1	0.650	\$ 40.30	\$ 16.20	\$ 56.50	\$ 56.50
86	1-1/2" / 1-1/4" Dia Hot Water Return Pipe Reducer	EA	1	0%	1	0.780	\$ 48.36	\$ 17.80	\$ 66.16	\$ 66.16
87	2" / 1-1/2" Dia Hot Water Return Pipe Reducer	EA	1	0%	1	1.200	\$ 74.40	\$ 34.20	\$ 108.60	\$ 108.60
	Refrigerant Pipe									
	Type "L" Hard Drawn Copper Tube ASTM B88, Cleaned And Capped In Accordance With ASTM B280, And Marked "ACR", With ANSI B16.22 Wrought Copper Or Forged Brass Solder Type Fittings.									
88	1/4" Dia Refrigeration Liquid Pipe	LF	28	10%	31	0.038	\$ 2.36	\$ 2.20	\$ 4.56	\$ 140.32
89	1/2" Dia Refrigeration Suction Pipe	LF	29	10%	32	0.042	\$ 2.60	\$ 2.59	\$ 5.19	\$ 165.69
	Insulation									
	1/2" Thick, Elastomeric Pipe Insulation, Flexible Closed Cell, 5.5 Lbs. Density									
90	1/4" Dia Refrigeration Liquid Pipe	LF	28	10%	31	0.033	\$ 2.05	\$ 2.50	\$ 4.55	\$ 140.02
91	1/2" Dia Refrigeration Suction Pipe	LF	29	10%	32	0.039	\$ 2.42	\$ 2.80	\$ 5.22	\$ 166.45
	Refrigerant Pipe Fittings									
	Elbow									
92	1/4" Dia Refrigeration Liquid Pipe 90 Deg Elbow	EA	7	0%	7	0.150	\$ 9.30	\$ 1.04	\$ 10.34	\$ 72.38
93	1/2" Dia Refrigeration Suction Pipe 90 Deg Elbow	EA	7	0%	7	0.200	\$ 12.40	\$ 1.75	\$ 14.15	\$ 99.05
	Condensate Drain Pipe									
	Type "L" Hard Temper Copper Tubing ASTM B88, With ASTM B145/ANSI B16.23 Cast Red Bronze Or ASTM B75/ANSI B16.29 Wrought Solder Type Drainage Fittings.									
94	3/4" Dia Condensate Drain Pipe	LF	40	10%	44	0.056	\$ 3.47	\$ 4.02	\$ 7.49	\$ 332.70
	Insulation									
	1/2" Thick, Rigid Fiberglass Pipe Insulation, White Kraft Reinforced Foil Vapor Barrier All Service Jacket, Factory Applied, KNAUF INSULATION BOARD With Ecosse									
95	3/4" Dia Condensate Drain Pipe	LF	40	10%	44	0.045	\$ 2.79	\$ 3.20	\$ 5.99	\$ 266.00
	Condensate Drain Pipe Fittings									
	Elbow									
96	3/4" Dia Condensate Drain Pipe 90 Deg Elbow	EA	19	0%	19	0.260	\$ 16.12	\$ 2.01	\$ 18.13	\$ 344.47
	Gas Pipe Underground									
	Schedule 40 Black Steel Pipe ASTM A53, Type E Or S, Standard Weight ASTM A197/ANSI B16.3 Class 150 Black Malleable Iron Threaded Fittings Or ASTM A234 Grade WPB/ANSI B16.9 Standard Weight, Seamless, Carbon Steel Weld Fittings.									
97	1-1/2" Dia Gas Pipe	LF	40	10%	44	0.240	\$ 14.88	\$ 4.80	\$ 19.68	\$ 858.13
	Gas Pipe Fittings									
	Elbow									
98	1-1/2" Dia Gas Pipe 90 Deg Elbow	EA	3	0%	3	0.450	\$ 27.90	\$ 4.50	\$ 32.40	\$ 97.20
	Gas Pipe									
	Schedule 40 Black Steel Pipe ASTM A53, Type E Or S, Standard Weight ASTM A197/ANSI B16.3 Class 150 Black Malleable Iron Threaded Fittings Or ASTM A234 Grade WPB/ANSI B16.9 Standard Weight, Seamless, Carbon Steel Weld Fittings.									
99	3/4" Dia Gas Pipe	LF	4	10%	4	0.098	\$ 6.08	\$ 2.95	\$ 9.03	\$ 38.03

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100	1-1/4" Dia Gas Pipe	LF	3	10%	4	0.200	\$ 12.40	\$ 3.90	\$ 16.30	\$ 57.20
101	1-1/2" Dia Gas Pipe	LF	25	10%	27	0.240	\$ 14.88	\$ 4.80	\$ 19.68	\$ 533.19
	Gas Pipe Fittings									
	Elbow									
102	3/4" Dia Gas Pipe 90 Deg Elbow	EA	1	0%	1	0.300	\$ 18.60	\$ 3.20	\$ 21.80	\$ 21.80
103	1-1/4" Dia Gas Pipe 90 Deg Elbow	EA	1	0%	1	0.450	\$ 27.90	\$ 4.02	\$ 31.92	\$ 31.92
104	1-1/2" Dia Gas Pipe 90 Deg Elbow	EA	4	0%	4	0.450	\$ 27.90	\$ 4.50	\$ 32.40	\$ 129.60
	Tee									
105	1-1/2" Dia Gas Pipe Tee	EA	2	0%	2	0.560	\$ 34.72	\$ 14.50	\$ 49.22	\$ 98.44
106	1-1/2" / 1" Dia Gas Pipe Tee	EA	2	0%	2	0.850	\$ 52.70	\$ 22.00	\$ 74.70	\$ 149.40
	Reducer									
107	1-1/2" / 3/4" Dia Gas Pipe Reducer	EA	1	0%	1	0.780	\$ 48.36	\$ 19.80	\$ 68.16	\$ 68.16
108	1-1/2" / 1-1/4" Dia Gas Pipe Reducer	EA	1	0%	1	0.890	\$ 55.18	\$ 25.60	\$ 80.78	\$ 80.78
	Makeup Water Pipe									
	Type "L" Copper Pipe									
109	1/2" Dia Makeup Water Pipe	LF	50	10%	55	0.042	\$ 2.60	\$ 2.59	\$ 5.19	\$ 284.41
	Insulation									
	1/2" Thick, Rigid Fiberglass Pipe Insulation, White Kraft Reinforced Foil Vapor Barrier All Service Jacket, Factory Applied, KNAUF INSULATION BOARD With Ecosse									
110	1/2" Dia Makeup Water Pipe	LF	50	10%	55	0.039	\$ 2.42	\$ 2.80	\$ 5.22	\$ 285.73
	Makeup Water Pipe Fittings									
	Elbow									
111	1/2" Dia Makeup Water Pipe 90 Deg Elbow	EA	6	0%	6	0.200	\$ 12.40	\$ 1.75	\$ 14.15	\$ 84.90
	Steam Pipe									
	Type "L" Copper Pipe									
112	1-3/8" Dia Steam Pipe	LF	52	10%	57	0.098	\$ 6.08	\$ 9.08	\$ 15.16	\$ 859.75
	Insulation									
	2-1/2" Thick, Rigid Fiberglass Pipe Insulation, White Kraft Reinforced Foil Vapor Barrier All Service Jacket, Factory Applied, KNAUF INSULATION BOARD With Ecosse									
113	1-3/8" Dia Steam Pipe	LF	52	10%	57	0.060	\$ 3.72	\$ 3.79	\$ 7.51	\$ 426.02
	Steam Pipe Fittings									
	Elbow									
114	1-3/8" Dia Steam Pipe 90 Deg Elbow	EA	4	0%	4	0.294	\$ 18.23	\$ 5.86	\$ 24.09	\$ 96.35
	Boiler Intake Pipe									
	PVC Schedule 40 Pipe									
115	4" Dia Boiler Exhaust Pipe	LF	8	10%	9	0.177	\$ 10.97	\$ 13.20	\$ 24.17	\$ 212.73
116	5" Dia Boiler Intake Pipe	LF	10	10%	11	0.195	\$ 12.09	\$ 15.50	\$ 27.59	\$ 303.49
	Boiler Intake Pipe Fittings									
	Elbow									
117	5" Dia Boiler Intake Pipe 90 Deg Elbow	EA	3	0%	3	0.500	\$ 31.00	\$ 29.50	\$ 60.50	\$ 181.50
	Vent Pipe									
	PVC Schedule 40 Pipe									
118	1" Dia Vent Pipe	LF	8	10%	9		\$ 4.71	\$ 2.50	\$ 7.21	\$ 66.64
	Vent Pipe Fittings									
	Elbow									
119	1" Dia Vent Pipe 90 Deg Elbow	EA	5	0%	5		\$ 7.44	\$ 1.39	\$ 8.83	\$ 44.15
	Air Devices									
120	B: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 123.79
121	B: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 123.79
122	B: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 123.79
123	B: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 123.79
124	B: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	5	0%	5	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 618.97
125	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 123.79
126	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	6	0%	6	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 742.76
127	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	4	0%	4	1.020	\$ 63.24	\$ 120.00	\$ 183.24	\$ 732.96
128	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	1.020	\$ 63.24	\$ 120.00	\$ 183.24	\$ 183.24
129	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	2	0%	2	1.020	\$ 63.24	\$ 120.00	\$ 183.24	\$ 366.48
130	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	1.020	\$ 63.24	\$ 120.00	\$ 183.24	\$ 183.24
131	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	3	0%	3	1.020	\$ 63.24	\$ 120.00	\$ 183.24	\$ 549.72
132	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	2	0%	2	1.020	\$ 63.24	\$ 120.00	\$ 183.24	\$ 366.48
133	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	3	0%	3	1.300	\$ 80.60	\$ 155.00	\$ 235.60	\$ 706.80
134	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	2	0%	2	1.300	\$ 80.60	\$ 155.00	\$ 235.60	\$ 471.20
135	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	2	0%	2	1.300	\$ 80.60	\$ 155.00	\$ 235.60	\$ 471.20
136	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	2	0%	2	1.300	\$ 80.60	\$ 155.00	\$ 235.60	\$ 471.20
137	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	4	0%	4	1.300	\$ 80.60	\$ 155.00	\$ 235.60	\$ 942.40
138	C: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	2.100	\$ 130.20	\$ 200.00	\$ 330.20	\$ 330.20
139	D: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	2.100	\$ 130.20	\$ 200.00	\$ 330.20	\$ 330.20
140	D: Supply Air Diffuser, Face Size 24x24, Pattern 4-Way, "Face Type" Square Plaque, Mounting Surface Lay On	EA	2	0%	2	2.100	\$ 130.20	\$ 260.00	\$ 390.20	\$ 780.40
141	G: Exhaust Air Griller, Face Size 6x6, "Face Type" 35" Louvered, Mounting Surface Acoustical Based On	EA	5	0%	5	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 618.97
142	G: Exhaust Air Griller, Face Size 6x6, "Face Type" 35" Louvered, Mounting Surface Acoustical Based On	EA	3	0%	3	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 371.38
143	H: Exhaust Air Griller, Face Size 8x8, "Face Type" 35" Louvered, Mounting Surface Acoustical Based On	EA	1	0%	1	1.020	\$ 63.24	\$ 120.00	\$ 183.24	\$ 183.24
144	M: Return Air Griller, Face Size 24x24, "Face Type" Square Plaque, Mounting Surface Lay On	EA	11	0%	11	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 1,361.73
145	M: Return Air Griller, Face Size 24x24, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 123.79
146	N: Return Air Griller, Face Size 24x24, "Face Type" Square Plaque, Mounting Surface Lay On	EA	2	0%	2	1.020	\$ 63.24	\$ 120.00	\$ 183.24	\$ 366.48
147	N: Return Air Griller, Face Size 24x24, "Face Type" Square Plaque, Mounting Surface Lay On	EA	3	0%	3	1.300	\$ 80.60	\$ 155.00	\$ 235.60	\$ 706.80
148	N: Return Air Griller, Face Size 24x24, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	1.300	\$ 80.60	\$ 155.00	\$ 235.60	\$ 235.60
149	N: Return Air Griller, Face Size 24x24, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	1.300	\$ 80.60	\$ 155.00	\$ 235.60	\$ 235.60
150	N: Return Air Griller, Face Size 24x24, "Face Type" Square Plaque, Mounting Surface Lay On	EA	2	0%	2	1.300	\$ 80.60	\$ 155.00	\$ 235.60	\$ 471.20
151	N: Return Air Griller, Face Size 24x24, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	2.100	\$ 130.20	\$ 200.00	\$ 330.20	\$ 330.20
152	O: Return Air Griller, Face Size 24x24, "Face Type" Square Plaque, Mounting Surface Lay On	EA	15	0%	15	2.100	\$ 130.20	\$ 200.00	\$ 330.20	\$ 4,953.00
153	O: Return Air Griller, Face Size 24x24, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	2.100	\$ 130.20	\$ 260.00	\$ 390.20	\$ 390.20
154	O: Return Air Griller, Face Size 24x24, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	2.100	\$ 130.20	\$ 260.00	\$ 390.20	\$ 390.20
155	O: Return Air Griller, Face Size 24x24, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	2.100	\$ 130.20	\$ 260.00	\$ 390.20	\$ 390.20
156	O: Return Air Griller, Face Size 24x24, "Face Type" Square Plaque, Mounting Surface Lay On	EA	1	0%	1	2.100	\$ 130.20	\$ 260.00	\$ 390.20	\$ 390.20
157	P: Return Air Griller, Face Size 22x22, "Face Type" 35" Louvered, Mounting Surface Based On	EA	1	0%	1	2.450	\$ 151.90	\$ 350.00	\$ 501.90	\$ 501.90
158	Q: Supply Air Diffuser, "Face Type" 3" Single Slot Diffuser, Mounting Surface Based On	EA	3	0%	3	2.450	\$ 151.90	\$ 295.00	\$ 446.90	\$ 1,340.70
159	R: Supply Air Diffuser, "Face Type" 3" Single Slot Diffuser, Mounting Surface Based On	EA	2	0%	2	2.900	\$ 179.80	\$ 380.00	\$ 559.80	\$ 1,119.60
160	R: Supply Air Diffuser, "Face Type" 3" Single Slot Diffuser, Mounting Surface Based On	EA	1	0%	1	2.900	\$ 179.80	\$ 450.00	\$ 629.80	\$ 629.80

DETAILED BREAKDOWN OF ITEMS

Prepared for: Prevea Health On Investors Court
 Project ID: 503 North Maple Street, Grand Chute, WI 54913
 Scope: HVAC

Date: 14-Oct-22

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MAN/HR	LABOR COST	MAT. COST	UNIT COST	SUB COST
161	T- Exhaust Air Griller, Face Size 6x6, "Face Type" Louvered, Mounting Surface: Side	EA	1	0%	1	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 123.79
162	T- Exhaust Air Griller, Face Size 6x6, "Face Type" Louvered, Mounting Surface: Side	EA	1	0%	1	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 123.79
163	T- Exhaust Air Griller, Face Size 6x6, "Face Type" Louvered, Mounting Surface: Side	EA	2	0%	2	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 247.59
164	W- Exhaust Air Griller, Face Size 18x10, "Face Type" Louvered, Mounting Surface: Side	EA	1	0%	1	2.900	\$ 179.80	\$ 400.00	\$ 579.80	\$ 579.80
165	X- Supply Air Diffuser, Face Size 6x6, "Face Type" 3/4" Double Deflection, Mounting Surface: Top	EA	1	0%	1	0.787	\$ 48.79	\$ 75.00	\$ 123.79	\$ 123.79
166	RTU-001, Roof Top Unit, JCI - A, 180 CFM, 550 O.A. CFM, "Supply Fan" 6	EA	1	0%	1	4.250	\$ 263.50	\$ 4,598.00	\$ 4,861.50	\$ 4,861.50
167	RTU-002, Roof Top Unit, JCI - A, 180 CFM, 950 O.A. CFM, "Supply Fan" 6	EA	1	0%	1	4.000	\$ 248.00	\$ 4,300.00	\$ 4,548.00	\$ 4,548.00
168	Unit Heater UH-001, Unit Heater, ZEHNDER RITTLING RH-47, "Type" Horizontal Air Flow, Airflow 565	EA	1	0%	1	3.200	\$ 198.40	\$ 1,230.00	\$ 1,428.40	\$ 1,428.40
169	Unit Heater UH-002, Unit Heater, ZEHNDER RITTLING RH-47, "Type" Horizontal Air Flow, Airflow 565	EA	1	0%	1	3.200	\$ 198.40	\$ 1,090.00	\$ 1,288.40	\$ 1,288.40
170	Fan Schedule F-001, Fan, ZEHNDER G-095-VG, "Service" Exhaust, "Type" PRV, 300 CFM, 0.04 BHP	EA	1	0%	1	1.800	\$ 111.60	\$ 540.00	\$ 651.60	\$ 651.60
171	F-002, Fan, ZEHNDER G-099-VG, "Service" Exhaust, "Type" PRV, 670 CFM, 0.11 BHP	EA	1	0%	1	2.900	\$ 179.80	\$ 1,240.00	\$ 1,419.80	\$ 1,419.80
172	F-003, Fan, ZEHNDER G-095-VG, "Service" Heat Removal, "Type" PRV, 500 CFM, 0.0	EA	1	0%	1	2.200	\$ 136.40	\$ 850.00	\$ 986.40	\$ 986.40
173	F-004, Fan, BROAN XB110, "Service" Heat Removal, "Type" PRV, 110 CFM, 0.07 BHP, 1	EA	1	0%	1	1.800	\$ 111.60	\$ 417.00	\$ 528.60	\$ 528.60
174	Variable Air Volume Terminal VAV-102, Variable Air Volume, Airflow Max 1320 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	3.000	\$ 186.00	\$ 1,170.00	\$ 1,356.00	\$ 1,356.00
175	VAV-103(1), Variable Air Volume, Airflow Max 2350 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.500	\$ 93.00	\$ 1,600.00	\$ 1,693.00	\$ 1,693.00
176	VAV-104, Variable Air Volume, Airflow Max 170 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.500	\$ 93.00	\$ 560.00	\$ 653.00	\$ 653.00
177	VAV-107(1), Variable Air Volume, Airflow Max 1780 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	2.200	\$ 136.40	\$ 1,500.00	\$ 1,636.40	\$ 1,636.40
178	VAV-107(2), Variable Air Volume, Airflow Max 950 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	2.200	\$ 136.40	\$ 850.00	\$ 986.40	\$ 986.40
179	VAV-107C, Variable Air Volume, Airflow Max 320 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.500	\$ 93.00	\$ 633.00	\$ 726.00	\$ 726.00
180	VAV-109, Variable Air Volume, Airflow Max 320 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.500	\$ 93.00	\$ 634.00	\$ 727.00	\$ 727.00
181	VAV-110, Variable Air Volume, Airflow Max 310 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.500	\$ 93.00	\$ 635.00	\$ 728.00	\$ 728.00
182	VAV-113, Variable Air Volume, Airflow Max 470 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.750	\$ 108.50	\$ 706.00	\$ 814.50	\$ 814.50
183	VAV-114, Variable Air Volume, Airflow Max 460 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.750	\$ 108.50	\$ 706.00	\$ 814.50	\$ 814.50
184	VAV-116, Variable Air Volume, Airflow Max 510 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	2.750	\$ 170.50	\$ 707.00	\$ 877.50	\$ 877.50
185	VAV-117, Variable Air Volume, Airflow Max 250 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.500	\$ 93.00	\$ 560.00	\$ 653.00	\$ 653.00
186	VAV-119, Variable Air Volume, Airflow Max 420 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.750	\$ 108.50	\$ 706.00	\$ 814.50	\$ 814.50
187	VAV-122, Variable Air Volume, Airflow Max 160 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.500	\$ 93.00	\$ 560.00	\$ 653.00	\$ 653.00
188	VAV-124, Variable Air Volume, Airflow Max 460 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.750	\$ 108.50	\$ 706.00	\$ 814.50	\$ 814.50
189	VAV-127, Variable Air Volume, Airflow Max 350 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.500	\$ 93.00	\$ 634.00	\$ 727.00	\$ 727.00
190	VAV-134, Variable Air Volume, Airflow Max 430 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.750	\$ 108.50	\$ 706.00	\$ 814.50	\$ 814.50
191	VAV-137, Variable Air Volume, Airflow Max 420 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	2.750	\$ 170.50	\$ 707.00	\$ 877.50	\$ 877.50
192	VAV-140, Variable Air Volume, Airflow Max 140 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.500	\$ 93.00	\$ 560.00	\$ 653.00	\$ 653.00
193	VAV-141A, Variable Air Volume, Airflow Max 380 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.500	\$ 93.00	\$ 633.00	\$ 726.00	\$ 726.00
194	VAV-142, Variable Air Volume, Airflow Max 380 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.500	\$ 93.00	\$ 633.00	\$ 726.00	\$ 726.00
195	VAV-144, Variable Air Volume, Airflow Max 780 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	2.200	\$ 136.40	\$ 850.00	\$ 986.40	\$ 986.40
196	VAV-145, Variable Air Volume, Airflow Max 330 CFM, "Hot Water Reheat Coils" Heat	EA	1	0%	1	1.500	\$ 93.00	\$ 633.00	\$ 726.00	\$ 726.00
197	Cabinet Unit Heater CH-001, Cabinet Heater, TRANE FORCE-FLO 600 MODEL M, "Type" Inverted Vertical, Air	EA	1	0%	1	2.300	\$ 142.60	\$ 750.00	\$ 892.60	\$ 892.60
198	CH-002, Cabinet Heater, TRANE FORCE-FLO 600 MODEL M, "Type" Inverted Vertical, Air	EA	1	0%	1	2.300	\$ 142.60	\$ 750.00	\$ 892.60	\$ 892.60
199	Split System Ductless Minisplit Indoor Unit	EA	1	0%	1	2.500	\$ 155.00	\$ 1,359.00	\$ 1,514.00	\$ 1,514.00
200	Ductless Minisplit Condenser Unit	EA	1	0%	1	2.500	\$ 155.00	\$ 1,389.00	\$ 1,544.00	\$ 1,544.00
201	Boiler B-001, Boiler, 21"W x37"D x 48"H, HARSCO INDUSTRIAL PATTERSON-KELLEY CM-399,	EA	1	0%	1	10.500	\$ 651.00	\$ 71,000.00	\$ 71,651.00	\$ 71,651.00
202	Expansion Tank ET-001, Expansion Tank, B&G B-351A, Design Code ASME, "Type" Bladder, Tank Volume	EA	1	0%	1	0.000	\$ 186.00	\$ 1,852.00	\$ 2,038.00	\$ 2,038.00
203	Convactor C-001, ZEHNDER RITTLING PL-26-36-04, "Type" Fully Recessed, Capacity 2 MBH, 26" H	EA	1	0%	1	3.500	\$ 217.00	\$ 934.00	\$ 1,151.00	\$ 1,151.00
204	Air Separator AS-001, Air Separator, SPIROTERM VDN-200, 38.7 GPM, Minimum Volume 1.8 Gals, V	EA	1	0%	1	1.000	\$ 155.00	\$ 587.65	\$ 742.65	\$ 742.65
205	Pumps P-001, Pump, B&G e-90, "Type" Inline, "Service" B-001 Circ, 37 GPM, 0.5 HP, Volt 120,	EA	1	0%	1	3.500	\$ 204.60	\$ 1,054.00	\$ 1,258.60	\$ 1,258.60
206	P-002, Pump, B&G e-80, "Type" Inline, "Service" Hot Water, 38.7 GPM, 1.5 HP, Volt 46	EA	1	0%	1	3.500	\$ 217.00	\$ 1,250.00	\$ 1,467.00	\$ 1,467.00
207	P-003, Pump, B&G e-80, "Type" Inline, "Service" Hot Water, 38.7 GPM, 1.5 HP, Volt 46	EA	1	0%	1	3.500	\$ 217.00	\$ 1,250.00	\$ 1,467.00	\$ 1,467.00
208	Humidifier H-001, Humidifier, NEPTRONIC SKE4-N10, "Type" Electric Resistive, Capacity 30 LB/HR, 6300 CFM, Lat/Lahr 55, Power 10 KW, 480/3 Voltage. Ulti-Steam Distribution Manifold, Single Tube Not Acceptable. 1. See Detail K14/M501 For Humidifier Installation. 2. Drain With Waste Water Cooling. 3. Duct Mounted Humidistat. 4. If AI Ternate manufacturer Is Provided, Minimum Capacity For Both System Shall Be 25#-HR.	EA	2	0%	2	9.000	\$ 558.00	\$ 28,000.00	\$ 28,558.00	\$ 57,116.00
209	H-002, Humidifier, NEPTRONIC SKE4-N10, "Type" Electric Resistive, Capacity 30 LB/HR, 6100 CFM, Lat/Lahr 55, Power 10 KW, 480/3 Voltage. Ulti-Steam Distribution Manifold, Single Tube Not Acceptable.	EA	2	0%	2	8.000	\$ 496.00	\$ 26,000.00	\$ 26,496.00	\$ 52,992.00
210	Wall Heater Electric Wall Heater	EA	1	0%	1	2.300	\$ 142.60	\$ 457.00	\$ 599.60	\$ 599.60
211	Chemical Feeder Chemical Feeder, 2 Gallon, Fill In Top With Removable Cap	EA	1	0%	1	1.700	\$ 105.40	\$ 356.00	\$ 461.40	\$ 461.40
212	Finned Tube FTR-001, Finned Tube, Capacity 650 BTUH, Ent. Water Temp. 150 °F, LVG. Water Temp. 130 °F, Enclosure Depth 6", Enclosure Height 14", Mounting Height 4", 0.7 GPM. Provide (2) Wall Trim. 11'-0" Element, 15'-0" Enclosure	EA	1	0%	1	3.850	\$ 238.70	\$ 1,285.00	\$ 1,523.70	\$ 1,523.70
213	FTR-002, Finned Tube, Capacity 650 BTUH, Ent. Water Temp. 150 °F, LVG. Water Temp. 130 °F, Enclosure Depth 6", Enclosure Height 14", Mounting Height 4", 2.8 (0.7 Each) GPM. Provide (1) Wall Trim, (1) End Cap, (1) Inside Corner Trim. 11'-0" Element, 14'-9" Enclosure	EA	1	0%	1	3.850	\$ 238.70	\$ 1,285.00	\$ 1,523.70	\$ 1,523.70

DETAILED BREAKDOWN OF ITEMS

Prepared for: Prevea Health On Investors Court
 Project ID: 503 North Maple Street, Grand Chute, WI 54913
 Scope: HVAC

Date: 14-Oct-22

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	LABOR COST	MAT. COST	UNIT COST	SUB COST
214	FTR-002, Finned Tube, Capacity 650 BTUH, Ent. Water Temp. 150 °F, LVG, Water Temp. 130 °F, Enclosure Depth 6", Enclosure Height 14", Mounting Height 2.8 (0.7 Ead) GPM. Provide (1) Wall Trim, (1) End Cap, (1) Inside Corner Trim. (3)11'-0" Element, 46'-0" Enclosure	EA	1	0%	1	3.850	\$ 238.70	\$ 1,285.00	\$ 1,523.70	\$ 1,523.70
215	FTR-003, Finned Tube, Capacity 650 BTUH, Ent. Water Temp. 150 °F, LVG, Water Temp. 130 °F, Enclosure Depth 6", Enclosure Height 14", Mounting Height 2.8 (0.7 Ead) GPM. Provide (2) Wall Trim, (1) Inside Corner Trim. 11'-0" Element, 15'-0" Enclosure	EA	1	0%	1	3.850	\$ 238.70	\$ 1,285.00	\$ 1,523.70	\$ 1,523.70
216	FTR-003, Finned Tube, Capacity 650 BTUH, Ent. Water Temp. 150 °F, LVG, Water Temp. 130 °F, Enclosure Depth 6", Enclosure Height 14", Mounting Height 2.8 (0.7 Ead) GPM. Provide (2) Wall Trim, (1) Inside Corner Trim. (3)11'-0" Element, 15'-0" Enclosure	EA	1	0%	1	3.850	\$ 238.70	\$ 1,285.00	\$ 1,523.70	\$ 1,523.70
217	FTR-004, Finned Tube, Capacity 650 BTUH, Ent. Water Temp. 150 °F, LVG, Water Temp. 130 °F, Enclosure Depth 6", Enclosure Height 14", Mounting Height 4", 0.4 GPM. Provide (1) Wall Trim, (1) End Cap. 6'-0" Element, 15'-0" Enclosure	EA	1	0%	1	3.850	\$ 238.70	\$ 1,165.00	\$ 1,403.70	\$ 1,403.70
218	6" Dia Volume Damper	EA	20	0%	20	0.600	\$ 37.20	\$ 120.00	\$ 157.20	\$ 3,144.00
219	8" Dia Volume Damper	EA	37	0%	37	0.600	\$ 37.20	\$ 135.00	\$ 172.20	\$ 6,371.40
220	10" Dia Volume Damper	EA	3	0%	3	0.760	\$ 47.12	\$ 150.00	\$ 197.12	\$ 591.36
221	10"x10" Volume Damper	EA	5	0%	5	0.850	\$ 52.70	\$ 165.00	\$ 217.70	\$ 1,088.50
222	12"x8" Volume Damper	EA	3	0%	3	0.850	\$ 52.70	\$ 178.00	\$ 230.70	\$ 692.10
223	28"x16" Volume Damper	EA	2	0%	2	0.900	\$ 55.80	\$ 180.00	\$ 235.80	\$ 471.60
224	36"x20" Volume Damper	EA	1	0%	1	0.950	\$ 58.90	\$ 240.00	\$ 298.90	\$ 298.90
225	32x16- 24V Control Damper	EA	1	0%	1	0.950	\$ 58.90	\$ 200.00	\$ 258.90	\$ 258.90
226	30"x20" Backdraft Damper	EA	2	0%	2	0.950	\$ 58.90	\$ 195.00	\$ 253.90	\$ 507.80
227	36"x18" Backdraft Damper	EA	2	0%	2	0.950	\$ 58.90	\$ 240.00	\$ 298.90	\$ 597.80
228	36"x20" Backdraft Damper	EA	2	0%	2	0.950	\$ 58.90	\$ 240.00	\$ 298.90	\$ 597.80
229	1 PSI Outdoor Gas Meter By Gas Utility	EA	1	0%	1	1.800	\$ 111.60	\$ 550.00	\$ 661.60	\$ 661.60
230	1" Bug Screen	EA	2	0%	2	0.500	\$ 31.00	\$ 181.00	\$ 212.00	\$ 424.00
231	1/2" Dia 2-Way Control Valve	EA	5	0%	5	0.450	\$ 27.90	\$ 54.00	\$ 81.90	\$ 409.50
232	1/2" Dia Ball Valve	EA	12	0%	12	0.240	\$ 14.88	\$ 15.40	\$ 30.28	\$ 363.36
233	1-1/4" Dia Gas Shut-Off Valve	EA	1	0%	1	0.450	\$ 27.90	\$ 56.00	\$ 83.90	\$ 83.90
234	1-1/4" Dia Pipe Cap	EA	1	0%	1	0.050	\$ 3.10	\$ 3.20	\$ 6.30	\$ 6.30
235	16"x16" Transfer Air Opening	EA	1	0%	1	0.200	\$ 12.40	\$ 56.00	\$ 68.40	\$ 68.40
236	2" Dia Isolation Valve	EA	1	0%	1	0.400	\$ 24.80	\$ 32.00	\$ 56.80	\$ 56.80
237	2" Dia Strainer	EA	1	0%	1	0.180	\$ 11.16	\$ 13.50	\$ 24.66	\$ 24.66
238	24"x12" Transfer Air Opening	EA	9	0%	9	0.450	\$ 27.90	\$ 86.00	\$ 113.90	\$ 1,025.10
239	24"x30" Transfer Air Opening	EA	1	0%	1	0.500	\$ 31.00	\$ 95.00	\$ 126.00	\$ 126.00
240	3/4" Dia 2-Way Control Valve	EA	3	0%	3	0.450	\$ 27.90	\$ 65.00	\$ 92.90	\$ 278.70
241	3/4" Dia Ball Valve	EA	11	0%	11	0.300	\$ 18.60	\$ 18.80	\$ 37.40	\$ 411.40
242	3/4" Dia Hose Bibb	EA	2	0%	2	0.340	\$ 21.08	\$ 45.00	\$ 66.08	\$ 132.16
243	3/4" Dia Pipe Cap	EA	3	0%	3	0.033	\$ 2.05	\$ 1.20	\$ 3.25	\$ 9.74
244	32Wx16Hx24L Louver	EA	1	0%	1	1.500	\$ 93.00	\$ 413.00	\$ 506.00	\$ 506.00
245	5" Dia VTR, Vent Through Roof	EA	2	0%	2	0.460	\$ 28.52	\$ 120.00	\$ 148.52	\$ 297.04
246	Nipple Pipe Portal	EA	5	0%	5	0.300	\$ 18.60	\$ 19.80	\$ 38.40	\$ 192.00
247	Smoke Detector	EA	2	0%	2	0.400	\$ 24.80	\$ 72.00	\$ 96.80	\$ 193.60
248	Temperature Control Panel	EA	2	0%	2	0.350	\$ 21.70	\$ 75.00	\$ 96.70	\$ 193.40
249	Thermostat	EA	26	0%	26	0.375	\$ 23.25	\$ 60.00	\$ 83.25	\$ 2,164.50
250	3/4" Dia Ball Valve	EA	5	0%	5	0.300	\$ 18.60	\$ 18.80	\$ 37.40	\$ 187.00
251	2" Dia Ball Valve	EA	11	0%	11	0.420	\$ 24.04	\$ 23.00	\$ 69.04	\$ 759.44
252	2" Dia Tripel Duty Valve	EA	2	0%	2	0.480	\$ 28.80	\$ 1,250.00	\$ 1,278.80	\$ 2,557.60
253	2" Dia Strainer	EA	3	0%	3	0.180	\$ 11.16	\$ 13.50	\$ 24.66	\$ 73.98
254	Thermometer	EA	4	0%	4	0.700	\$ 42.70	\$ 55.00	\$ 97.70	\$ 286.96
255	2" Dia Isolation Valve	EA	1	0%	1	0.400	\$ 24.80	\$ 32.00	\$ 56.80	\$ 56.80
256	1" Dia Ball Valve (Size assumed)	EA	5	0%	5	0.360	\$ 21.60	\$ 26.80	\$ 48.40	\$ 245.60
257	1/2" Drain Valve (Size assumed)	EA	6	0%	6	0.360	\$ 21.60	\$ 15.00	\$ 36.60	\$ 175.56
258	1/2" Dia Union	EA	2	0%	2	0.320	\$ 19.84	\$ 18.60	\$ 38.44	\$ 70.68
259	3/4" Dia Union	EA	4	0%	4	0.320	\$ 19.84	\$ 20.60	\$ 40.44	\$ 161.76
260	Pressure Gauge	EA	3	0%	3	0.300	\$ 18.60	\$ 32.00	\$ 50.60	\$ 161.10
261	3/4" Dia Gas Pressure Regulator	EA	1	0%	1	0.300	\$ 18.60	\$ 75.00	\$ 93.60	\$ 105.38
262	3/4" Dia Gas Shut-Off Valve	EA	1	0%	1	0.300	\$ 18.60	\$ 19.90	\$ 38.50	\$ 38.50
263	3/4" Dia Dirt Leg And Union	EA	1	0%	1	0.360	\$ 21.60	\$ 73.50	\$ 95.10	\$ 108.22
264	1-1/4" Dia Gas Valve	EA	1	0%	1	0.360	\$ 21.60	\$ 26.80	\$ 48.40	\$ 49.12
265	1-1/4" Dia Gas Union	EA	1	0%	1	0.390	\$ 23.40	\$ 24.10	\$ 47.50	\$ 48.28
266	1-1/4" Dia Gas Pressure Regulator, 400 CFH, 1 PSI	EA	1	0%	1	0.490	\$ 30.38	\$ 102.00	\$ 132.38	\$ 132.38
267	1-1/4" Dia Dirt Leg	EA	1	0%	1	0.450	\$ 27.90	\$ 68.00	\$ 95.90	\$ 95.90
268	3/4" Dia Union	EA	1	0%	1	0.320	\$ 19.84	\$ 20.60	\$ 40.44	\$ 40.44
269	3/4" Dia Check Valve	EA	1	0%	1	0.300	\$ 18.60	\$ 16.80	\$ 35.40	\$ 35.40
270	1/2" Dia Union	EA	1	0%	1	0.270	\$ 16.74	\$ 18.60	\$ 35.34	\$ 35.34
271	1/2" Dia Drain Valve	EA	1	0%	1	0.230	\$ 14.26	\$ 15.00	\$ 29.26	\$ 29.26
272	1/2" Dia Vent Cap	EA	1	0%	1	0.260	\$ 16.12	\$ 14.30	\$ 30.42	\$ 30.42
273	1/2" Dia Ball Valve	EA	10	0%	10	0.240	\$ 14.88	\$ 15.40	\$ 30.28	\$ 847.84
274	3/4" Dia Ball Valve	EA	10	0%	10	0.300	\$ 18.60	\$ 18.80	\$ 37.40	\$ 374.00
275	1" Dia Ball Valve	EA	4	0%	4	0.360	\$ 21.60	\$ 26.80	\$ 48.40	\$ 196.48
276	1/2" Dia 2-Way T.C. Valve	EA	14	0%	14	0.240	\$ 14.88	\$ 16.20	\$ 31.08	\$ 435.12
277	3/4" Dia 2-Way T.C. Valve	EA	5	0%	5	0.300	\$ 18.60	\$ 19.40	\$ 38.00	\$ 190.00
278	1" Dia 2-Way T.C. Valve	EA	2	0%	2	0.360	\$ 21.60	\$ 25.60	\$ 47.20	\$ 95.84
279	1/2" Dia Union	EA	14	0%	14	0.270	\$ 16.74	\$ 18.60	\$ 35.34	\$ 494.76
280	3/4" Dia Union	EA	5	0%	5	0.320	\$ 19.84	\$ 20.60	\$ 40.44	\$ 202.20

DETAILED BREAKDOWN OF ITEMS

Prepared for: Prevea Health On Investors Court
 Project ID: 503 North Maple Street, Grand Chute, WI 54913
 Scope: HVAC

Date: 14-Oct-22

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MAN/HR	LABOR COST	MAT. COST	UNIT COST	SUB COST
281	1" Dia Union	EA	2	0%	2	0.390	\$ 24.18	\$ 24.10	\$ 48.28	\$ 96.56
282	1/2" Dia Dirt Leg	EA	14	0%	14	0.320	\$ 19.84	\$ 45.00	\$ 64.84	\$ 907.76
283	3/4" Dia Dirt Leg	EA	5	0%	5	0.370	\$ 22.94	\$ 53.00	\$ 75.94	\$ 379.70
284	1" Dia Dirt Leg	EA	2	0%	2	0.450	\$ 27.90	\$ 65.00	\$ 92.90	\$ 185.80
285	1/2" Dia Drain W/ Cap	EA	14	0%	14	0.230	\$ 14.26	\$ 12.00	\$ 26.26	\$ 367.64
286	3/4" Dia Drain W/ Cap	EA	5	0%	5	0.230	\$ 14.26	\$ 15.60	\$ 29.86	\$ 149.30
287	1" Dia Drain W/ Cap	EA	2	0%	2	0.300	\$ 18.60	\$ 18.90	\$ 37.50	\$ 75.00
288	1/2" Dia Manual Key Vent W/ 1/4" Copper Tubing	EA	14	0%	14	0.350	\$ 21.70	\$ 17.70	\$ 39.40	\$ 551.60
289	3/4" Dia Manual Key Vent W/ 1/4" Copper Tubing	EA	5	0%	5	0.350	\$ 21.70	\$ 20.50	\$ 42.20	\$ 211.00
290	1" Dia Manual Key Vent W/ 1/4" Copper Tubing	EA	2	0%	2	0.400	\$ 24.80	\$ 24.60	\$ 49.40	\$ 98.80
	Duct Weight									
291	Galvanized Sheet Metal Duct	LB	6486	10%	7135	0.041	\$ 2.54	\$ 2.50	\$ 5.04	\$ 35,972.65
	Duct Installation									
292	1-1/2" Thick Flexible Fiberglass Duct Insulation, Foil-Kraft or Barrier Jacket, Factory Ap	SQFT	5045	10%	5550	0.035	\$ 2.17	\$ 3.85	\$ 6.02	\$ 33,407.99
	Duct Installation									
293	2" Thick Rigid Fiberglass Duct Insulation, Foil System Kraft or Barrier Jacket, Factory Ap	SQFT	475	10%	523	0.056	\$ 3.47	\$ 4.50	\$ 7.97	\$ 4,165.37
	Pipe Support									
294	1/4" Dia Adjustable Clevis Hanger	EA	4	0%	4	0.036	\$ 2.23	\$ 2.50	\$ 4.73	\$ 18.93
295	1/2" Dia Adjustable Clevis Hanger	EA	91	0%	91	0.036	\$ 2.23	\$ 2.80	\$ 5.03	\$ 457.91
296	3/4" Dia Adjustable Clevis Hanger	EA	122	0%	122	0.036	\$ 2.23	\$ 3.20	\$ 5.43	\$ 662.70
297	1" Dia Adjustable Clevis Hanger	EA	10	0%	10	0.040	\$ 2.48	\$ 3.50	\$ 5.98	\$ 59.80
298	1-3/8" Dia Adjustable Clevis Hanger	EA	8	0%	8	0.040	\$ 2.48	\$ 4.10	\$ 6.58	\$ 52.64
299	1-1/4" Dia Adjustable Clevis Hanger	EA	11	0%	11	0.040	\$ 2.48	\$ 4.24	\$ 6.72	\$ 73.92
300	1-1/2" Dia Adjustable Clevis Hanger	EA	18	0%	18	0.052	\$ 3.22	\$ 4.50	\$ 7.72	\$ 139.03
301	2" Dia Adjustable Clevis Hanger	EA	36	0%	36	0.052	\$ 3.22	\$ 5.60	\$ 8.82	\$ 317.66
302	5" Dia Adjustable Clevis Hanger	EA	1	0%	1	0.063	\$ 3.91	\$ 8.30	\$ 12.21	\$ 12.21
303	3/8" Threaded Rod (1 Ea. = 1 FT)	EA	264	0%	264	0.050	\$ 3.10	\$ 5.50	\$ 8.60	\$ 2,270.40
304	5/8" Threaded Rod (1 Ea. = 1 FT)	EA	37	0%	37	0.050	\$ 3.10	\$ 6.80	\$ 9.90	\$ 366.30
	Duct Support									
305	3/8" Threaded Rod	EA	324	0%	324	0.050	\$ 3.10	\$ 5.50	\$ 8.60	\$ 2,786.40
306	1" x 22 Ga. Steel	EA	162	0%	162	0.068	\$ 4.22	\$ 6.75	\$ 10.97	\$ 1,776.49
SUBTOTAL										\$ 450,587

							PROJECTED COST			
OVERHEAD AND PROFIT							0.15	0.15	15%	\$485,587
INSURANCE							0.03	0.03	3%	\$14,568
CONTINGENCY							0.05	0.05	5%	\$24,279
TAX							0.05	0.05	5%	\$17,057
SUGGESTED BID										\$614,329

Note:

- Please verify the equipment's and their prices with owner.
- For tree plantation average prices are use. Please verify according to tree type.
- Online sources are used for pricing.
- Prices can vary depending upon field conditions.