

Building Data Summary																	
Project Name:			OZH Mountain View Clinic														
Location:																	
Scope of Work:			MECHANICAL														
Date:																	
Project ID																	
Note:																	
Item #	Deg	Detail	Item Description	Unit	QTY.	Wastage	Quantity w/ Wastage	Unit Material Cost	Total Material Cost	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost				
DIVISION 23 -- HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)																	
BASIC HVAC REQUIREMENTS																	
1	See Specs	23 05 10	Provide labor, materials, tools, machinery, equipment, and services necessary to complete the HVAC.	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -	\$ -					
COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT																	
2	M101	23 05 13	Motor starter for fan EF-3,4. - GREENHECK #MSAC.	EA	2	0%	2	\$ 550.00	\$ 1,100.00	\$ 51.00	\$ 102.00	\$ 1,202.00					
HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT																	
3	M101	23 05 29	DURA blok pipe support for refrigerant piping. - With CUSH-A-CLAMP pipe clamps.	EA	4	0%	4	\$ 32.00	\$ 128.00	\$ 7.00	\$ 28.00	\$ 156.00					
VALVES																	
4	M101		Ball valves field installed up system and downstream from BS unit.	EA	3	0%	3	\$ 55.00	\$ 165.00	\$ 15.00	\$ 45.00	\$ 210.00					
5	M501		Service valve.	EA	2	0%	2	\$ 80.00	\$ 160.00	\$ 15.00	\$ 30.00	\$ 190.00					
6	M501		Liquid line filter dryer.	EA	1	0%	1	\$ 150.00	\$ 150.00	\$ 150.00	\$ 150.00	\$ 300.00					
7	M501		Liquid line site glass.	EA	1	0%	1	\$ 90.00	\$ 90.00	\$ 90.00	\$ 90.00	\$ 180.00					
VARIABLE-FREQUENCY MOTOR CONTROLLERS FOR HVAC																	
Refer to section 23 05 13																	
VIBRATION AND SEISMIC CONTROLS FOR HVAC																	
8	See Specs	23 05 48	Provide vibration isolators for hvac system as required.VIF	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -	\$ -					
IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT																	
9	See Specs	23 05 53	Provide complete identification for hvac system as required.VIF	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -	\$ -					
TESTING, ADJUSTING, AND BALANCING FOR HVAC																	
10	See Specs	23 05 93	Provide testing, adjusting and balancing of hvac system as required.VIF	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -	\$ -					
DUCT INSULATION																	
11	M101	23 07 13	2" thick, flexible fiberglass insulation on rectangular (supply, return, outside air) duct.	SF	2550	0%	2550	\$ 1.50	\$ 3,825.00	\$ 2.00	\$ 5,100.00	\$ 8,925.00					
12	M101		2" thick, flexible fiberglass insulation on circular duct.	SF	1030	0%	1030	\$ 1.40	\$ 1,442.00	\$ 2.50	\$ 2,575.00	\$ 4,017.00					
HVAC PIPING INSULATION																	
13	M101	23 07 19	Provide 1/2" thick molded fiberglass insulation on condensate drain piping.	LF	350	10%	385	\$ 1.20	\$ 462.00	\$ 1.45	\$ 558.25	\$ 1,020.25					
14	M101		1" Flexible Elastomeric Insulation on refrigerant piping.	LF	581	10%	639	\$ 2.50	\$ 1,597.75	\$ 2.42	\$ 1,546.62	\$ 3,144.37					
COMMISSIONING OF HVAC																	
SEE SPECS																	
INSTRUMENTATION AND CONTROL DEVICES FOR HVAC																	
15	M101	23 09 13	Simplified controller (BRC2A71) With room temperature sensor.	EA	9	0%	9	\$ 195.00	\$ 1,755.00	\$ 22.00	\$ 198.00	\$ 1,953.00					
16	M101		Intelligent touch controller (DCS601C71).	EA	9	0%	9	\$ 380.00	\$ 3,420.00	\$ 29.00	\$ 261.00	\$ 3,681.00					
DIRECT-DIGITAL CONTROL SYSTEM FOR HVAC																	
17	M101	23 09 23	Thermostat.	EA	11	0%	11	\$ 55.00	\$ 605.00	\$ 75.00	\$ 825.00	\$ 1,430.00					
18	M101		Control wiring.	LF	101	10%	111	\$ 1.00	\$ 111.10	\$ 2.00	\$ 222.20	\$ 333.30					
REFRIGERANT PIPING																	
19	M101	23 23 00	Refrigerant piping set (1-1/8" suction, 1/2" liquid).	LF	340	10%	374	\$ 12.50	\$ 4,675.00	\$ 7.25	\$ 2,711.50	\$ 7,386.50					
20	M101		Refrigerant piping set (1-1/8" suction, 1/2" liquid , 7/8" hot gas).	LF	220	10%	242	\$ 17.00	\$ 4,114.00	\$ 9.57	\$ 2,315.94	\$ 6,429.94					
21	M101		Refrigerant piping set (1/4" liquid, 1/2" suction).	LF	21	10%	23	\$ 9.00	\$ 207.90	\$ 5.80	\$ 133.98	\$ 341.88					
22	M101		3/4" Condensate drain piping.	LF	350	10%	385	\$ 2.50	\$ 962.50	\$ 1.45	\$ 558.25	\$ 1,520.75					
HVAC DUCTS AND CASINGS																	
23	M101	23 31 00	38/10 Return air duct. - LF 6	LBS	165	10%	182	\$ 13.00	\$ 2,359.50	\$ 6.00	\$ 1,089.00	\$ 3,448.50					
24	M101		30/10 Return air duct. - LF 5	LBS	95	10%	105	\$ 15.00	\$ 1,567.50	\$ 7.00	\$ 731.50	\$ 2,299.00					
25	M101		20/10 Return air duct. - LF 10	LBS	140	10%	154	\$ 13.00	\$ 2,002.00	\$ 6.00	\$ 924.00	\$ 2,926.00					
26	M101		16/14 Return air duct. - LF 12	LBS	122	10%	134	\$ 13.00	\$ 1,744.60	\$ 6.00	\$ 805.20	\$ 2,549.80					
27	M101		38/10 Return air duct. - LF 5	LBS	92	10%	101	\$ 15.00	\$ 1,518.00	\$ 7.00	\$ 708.40	\$ 2,226.40					
28	M101		6/6 Return air duct. - LF 95	LBS	385	10%	424	\$ 12.00	\$ 5,082.00	\$ 5.00	\$ 2,117.50	\$ 7,199.50					
29	M101		8/8 Return air duct. - LF 15	LBS	65	10%	72	\$ 15.00	\$ 1,072.50	\$ 7.00	\$ 500.50	\$ 1,573.00					
30	M101		10/10 Return air duct. - LF 23	LBS	425	10%	468	\$ 12.00	\$ 5,610.00	\$ 5.00	\$ 2,337.50	\$ 7,947.50					
31	M101		10/8 Return air duct. - LF 35	LBS	170	10%	187	\$ 13.00	\$ 2,431.00	\$ 6.00	\$ 1,122.00	\$ 3,553.00					
32	M101		14/14 Return air duct. - LF 10	LBS	75	10%	83	\$ 15.00	\$ 1,237.50	\$ 7.00	\$ 577.50	\$ 1,815.00					
33	M101		12/10 Return air duct. - LF 60	LBS	400	10%	440	\$ 12.00	\$ 5,280.00	\$ 5.00	\$ 2,200.00	\$ 7,480.00					
34	M101		24/12 Return air duct. - LF 6	LBS	67	10%	74	\$ 15.00	\$ 1,105.50	\$ 7.00	\$ 515.90	\$ 1,621.40					
35	M101		54/10 Return air duct. - LF 3	LBS	103	10%	113	\$ 13.00	\$ 1,472.90	\$ 6.00	\$ 679.80	\$ 2,152.70					
36	M101		48/10 Return air duct. - LF 4	LBS	125	10%	138	\$ 13.00	\$ 1,787.50	\$ 6.00	\$ 825.00	\$ 2,612.50					
37	M101		4/4 Outside air duct. - LF 30	LBS	885	10%	974	\$ 11.00	\$ 10,708.50	\$ 4.00	\$ 3,894.00	\$14,602.50					
38	M101		10/10 Outside air duct. - LF 70	LBS	467	10%	514	\$ 12.00	\$ 6,164.40	\$ 5.00	\$ 2,568.50	\$ 8,732.90					
39	M101		8/8 Outside air duct. - LF 32	LBS	137	10%	151	\$ 13.00	\$ 1,959.10	\$ 6.00	\$ 904.20	\$ 2,863.30					
40	M101		6/6 Outside air duct. - LF 30	LBS	97	10%	107	\$ 15.00	\$ 1,600.50	\$ 7.00	\$ 746.90	\$ 2,347.40					
41	M101		12/12 Outside air duct. - LF 17	LBS	57	10%	63	\$ 15.00	\$ 940.50	\$ 7.00	\$ 438.90	\$ 1,379.40					
42	M101		24/12 Outside air duct. - LF 3	LBS	25	10%	28	\$ 15.00	\$ 412.50	\$ 7.00	\$ 192.50	\$ 605.00					
43	M101		49/12 Outside air duct. - LF 5	LBS	179	10%	197	\$ 13.00	\$ 2,559.70	\$ 6.00	\$ 1,181.40	\$ 3,741.10					
44	M101		24/16 Outside air duct. - LF 6	LBS	66	10%	73	\$ 15.00	\$ 1,089.00	\$ 7.00	\$ 508.20	\$ 1,597.20					
45	M101		36/22 Outside air duct. - LF 5	LBS	256	10%	282	\$ 13.00	\$ 3,660.80	\$ 6.00	\$ 1,689.60	\$ 5,350.40					
46	M101		8/6 Outside air duct. - LF 40	LBS	214	10%	235	\$ 13.00	\$ 3,060.20	\$ 6.00	\$ 1,412.40	\$ 4,472.60					
47	M101		6/4 Outside air duct. - LF 40	LBS	128	10%	141	\$ 13.00	\$ 1,830.40	\$ 6.00	\$ 844.80	\$ 2,675.20					
48	M101		4/6 Outside air duct. - LF 50	LBS	134	10%	147	\$ 13.00	\$ 1,916.20	\$ 6.00	\$ 884.40	\$ 2,800.60					
49	M101		10/10 Supply air duct. - LF 10	LBS	67	10%	74	\$ 15.00	\$ 1,105.50	\$ 7.00	\$ 515.90	\$ 1,621.40					
50	M101		16/10 Supply air duct. - LF 15	LBS	130	10%	143	\$ 13.00	\$ 1,859.00	\$ 6.00	\$ 858.00	\$ 2,717.00					

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51	M101		32/8 Supply air duct. - LF 5	LBS	77	10%	85	\$ 15.00	\$ 1,270.50	\$ 7.00	\$ 592.90	\$ 1,863.40		
52	M101		24/10 Supply air duct. - LF 10	LBS	110	10%	121	\$ 13.00	\$ 1,573.00	\$ 6.00	\$ 726.00	\$ 2,299.00		
53	M101		32/8 Supply air duct. - LF 3	LBS	46	10%	51	\$ 15.00	\$ 759.00	\$ 7.00	\$ 354.20	\$ 1,113.20		
54	M101		18/12 Supply air duct. - LF 6	LBS	40	10%	44	\$ 15.00	\$ 660.00	\$ 7.00	\$ 308.00	\$ 968.00		
55	M101		32/8 Supply air duct. - LF 5	LBS	77	10%	85	\$ 15.00	\$ 1,270.50	\$ 7.00	\$ 592.90	\$ 1,863.40		
56	M101		8/10 Supply air duct. - LF 25	LBS	175	10%	193	\$ 13.00	\$ 2,502.50	\$ 6.00	\$ 1,155.00	\$ 3,657.50		
57	M101		10/8 Supply air duct. - LF 27	LBS	130	10%	143	\$ 13.00	\$ 1,859.00	\$ 6.00	\$ 858.00	\$ 2,717.00		
58	M101		14/8 Supply air duct. - LF 6	LBS	36	10%	40	\$ 15.00	\$ 594.00	\$ 7.00	\$ 277.20	\$ 871.20		
59	M101		20/10 Supply air duct. - LF 7	LBS	96	10%	106	\$ 15.00	\$ 1,584.00	\$ 7.00	\$ 739.20	\$ 2,323.20		
60	M101		36/10 Supply air duct. - LF 10	LBS	287	10%	316	\$ 13.00	\$ 4,104.10	\$ 6.00	\$ 1,894.20	\$ 5,998.30		
61	M101		48/8 Supply air duct. - LF 3	LBS	92	10%	101	\$ 15.00	\$ 1,518.00	\$ 7.00	\$ 708.40	\$ 2,226.40		
62	M101		28/10 Supply air duct. - LF 5	LBS	87	10%	96	\$ 15.00	\$ 1,435.50	\$ 7.00	\$ 669.90	\$ 2,105.40		
63	M101		32/8 Supply air duct. - LF 2	LBS	30	10%	33	\$ 15.00	\$ 495.00	\$ 7.00	\$ 231.00	\$ 726.00		
64	M101		10/10 EA duct. - LF 12	LBS	80	10%	88	\$ 15.00	\$ 1,320.00	\$ 7.00	\$ 616.00	\$ 1,936.00		
65	M101		8" dia Supply air duct.	LF	280	10%	308	\$ 13.00	\$ 4,004.00	\$ 6.00	\$ 1,848.00	\$ 5,852.00		
66	M101		6" dia Supply air duct.	LF	280	10%	308	\$ 13.00	\$ 4,004.00	\$ 6.00	\$ 1,848.00	\$ 5,852.00		
67	M101		6" dia exhaust duct.	LF	70	10%	77	\$ 15.00	\$ 1,155.00	\$ 7.00	\$ 539.00	\$ 1,694.00		
68	M101		10/10 duct transition. - 14" expended metal grate over open duct.	EA	1	0%	1	\$ 250.00	\$ 250.00	\$ 150.00	\$ 150.00	\$ 400.00		
		23 33 00	AIR DUCT ACCESSORIES											
69	M101		36/22 intake louver L-1. -GREENHECK. -EACC-401. -800 CFM. -Concealed 24V actuator. -Bird screen. -Integral sill.	EA	1	0%	1	#####	\$ 1,350.00	\$ 102.00	\$ 102.00	\$ 1,452.00		
70	M101		18/22 intake louver L-2. -GREENHECK. -EACC-401. -200 CFM. -Concealed 24V actuator. -Bird screen. -Integral sill.	EA	1	0%	1	\$ 650.00	\$ 650.00	\$ 68.00	\$ 68.00	\$ 718.00		
71	M101		18/22 intake louver L-3. -GREENHECK. -EACC-401. -200 CFM. -Concealed 24V actuator. -Bird screen. -Integral sill.	EA	1	0%	1	\$ 650.00	\$ 650.00	\$ 68.00	\$ 68.00	\$ 718.00		
72	M101		6/6 manual balancing damper.	EA	2	0%	2	\$ 90.00	\$ 180.00	\$ 26.00	\$ 52.00	\$ 232.00		
73	M101		10/8 manual balancing damper.	EA	4	0%	4	\$ 110.00	\$ 440.00	\$ 26.00	\$ 104.00	\$ 544.00		
74	M101		12/10 manual balancing damper.	EA	1	0%	1	\$ 125.00	\$ 125.00	\$ 26.00	\$ 26.00	\$ 151.00		
75	M101		24/12 manual balancing damper.	EA	1	0%	1	\$ 180.00	\$ 180.00	\$ 42.00	\$ 42.00	\$ 222.00		
76	M101		26/10 manual balancing damper.	EA	1	0%	1	\$ 190.00	\$ 190.00	\$ 42.00	\$ 42.00	\$ 232.00		
77	M101		30/10 manual balancing damper.	EA	1	0%	1	\$ 210.00	\$ 210.00	\$ 51.00	\$ 51.00	\$ 261.00		
78	M101		38/10 manual balancing damper.	EA	1	0%	1	\$ 260.00	\$ 260.00	\$ 60.00	\$ 60.00	\$ 320.00		
79	M101		Volume damper for 8" duct.	EA	24	0%	24	\$ 40.00	\$ 960.00	\$ 17.00	\$ 408.00	\$ 1,368.00		
80	M101		Volume damper for 6/6 duct.	EA	9	0%	9	\$ 35.00	\$ 315.00	\$ 17.00	\$ 153.00	\$ 468.00		
81	M101		Volume damper for 6/4 duct.	EA	3	0%	3	\$ 35.00	\$ 105.00	\$ 17.00	\$ 51.00	\$ 156.00		
82	M101		Volume damper for 4/4 duct.	EA	1	0%	1	\$ 30.00	\$ 30.00	\$ 17.00	\$ 17.00	\$ 47.00		
83	M101		Volume damper for 6" duct.	EA	19	0%	19	\$ 38.00	\$ 722.00	\$ 17.00	\$ 323.00	\$ 1,045.00		
84	M101		Volume damper for 12/10 duct.	EA	1	0%	1	\$ 50.00	\$ 50.00	\$ 26.00	\$ 26.00	\$ 76.00		
85	M101		Volume damper for 10/8 duct.	EA	1	0%	1	\$ 45.00	\$ 45.00	\$ 26.00	\$ 26.00	\$ 71.00		
86	M101		Volume damper for 20/10 duct.	EA	1	0%	1	\$ 95.00	\$ 95.00	\$ 42.00	\$ 42.00	\$ 137.00		
87	M101		Volume damper for 4/6 duct.	EA	1	0%	1	\$ 30.00	\$ 30.00	\$ 17.00	\$ 17.00	\$ 47.00		
88	M101		Volume damper for 16/14 duct.	EA	1	0%	1	\$ 120.00	\$ 120.00	\$ 42.00	\$ 42.00	\$ 162.00		
89	M102		6" roof cap.	EA	2	0%	2	\$ 120.00	\$ 240.00	\$ 34.00	\$ 68.00	\$ 308.00		
90	M501		Elbows, fittings and accessories as required.VIF	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -	\$ -		
91	M501		Flexible duct connection.	EA	2	0%	2	\$ 45.00	\$ 90.00	\$ 9.00	\$ 18.00	\$ 108.00		
		23 34 23	HVAC POWER VENTILATORS											
92	M101		115V/1PH exhaust fan EF-1. -GREENHECK. -G-060-G -50 CFM -Backdraft damper -18" high roof curb.	EA	1	0%	1	\$ 750.00	\$ 750.00	\$ 87.00	\$ 87.00	\$ 837.00		
93	M101		115V/1PH exhaust fan EF-2. -GREENHECK. -G-080-G -150 CFM -Backdraft damper -18" high roof curb.	EA	1	0%	1	\$ 980.00	\$ 980.00	\$ 116.00	\$ 116.00	\$ 1,096.00		
94	M101		115V/1PH exhaust fan EF-3. -GREENHECK. -G-070-G -175 CFM -Backdraft damper -18" high roof curb	EA	1	0%	1	#####	\$ 1,050.00	\$ 131.00	\$ 131.00	\$ 1,181.00		
95	M101		115V/1PH exhaust fan EF-4. -GREENHECK. -G-070-G -150 CFM -Backdraft damper -18" high roof curb	EA	1	0%	1	#####	\$ 1,020.00	\$ 116.00	\$ 116.00	\$ 1,136.00		
		23 36 00	AIR TERMINAL UNITS											

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96	M101		115V/1PH exhaust fan EF-5. -GREENHECK. -SP-B70 -70 CFM -Backdraft damper	EA	1	0%	1	\$ 161.00	\$ 161.00	\$ 30.00	\$ 30.00	\$ 191.00		
97	M101		115V/1PH exhaust fan EF-6. -GREENHECK. -SP-B70 -70 CFM -Backdraft damper	EA	1	0%	1	\$ 161.00	\$ 161.00	\$ 30.00	\$ 30.00	\$ 191.00		
		23 37 00	AIR OUTLETS AND INLETS											
98	M101		24x24 square plaque diffuser A. -PRICE. -SPD. -R-6 Insulated back pan.	EA	45	0%	45	\$ 185.00	\$ 8,325.00	\$ 29.00	\$ 1,305.00	\$ 9,630.00		
99	M101		24x24 eggcrate grille 1. -PRICE. -80. - factory insulated square plenum.	EA	23	0%	23	\$ 95.00	\$ 2,185.00	\$ 25.00	\$ 575.00	\$ 2,760.00		
100	M101		24x24 eggcrate grille 2. -PRICE. -80. - factory insulated square plenum.	EA	4	0%	4	\$ 95.00	\$ 380.00	\$ 25.00	\$ 100.00	\$ 480.00		
101	M101		12x12 45 DEG fixed blade grille 3. -PRICE. -630 -45deg deflection. -Blade spacing and countersunk fasteners..	EA	2	0%	2	\$ 110.00	\$ 220.00	\$ 25.00	\$ 50.00	\$ 270.00		
		23 40 00	HVAC AIR CLEANING DEVICES											
102	M101		Washable inlet air filter for unit heater.	EA	1	0%	1	\$ 45.00	\$ 45.00	\$ 55.00	\$ 55.00	\$ 100.00		
		23 74 33	DEDICATED OUTDOOR AIR UNITS											
103	M101		Mini-split outdoor unit MSCU-1. -DAIKIN. -RKF18BVJU9. -24-hour on/off timer.	EA	1	0%	1	#####	\$ 2,198.00	\$ 210.00	\$ 210.00	\$ 2,408.00		
		23 81 26	SPLIT-SYSTEM AIR CONDITIONERS											
104	M101		208V/1PH variable refrigerant volume indoor unit AC-1. -DAIKIN. -FXSA07AAVJU. -275 CFM -24VAC transformer minimum. -Auxiliary drain pan with float switch.	EA	1	0%	1	\$ 825.00	\$ 825.00	\$ 179.00	\$ 179.00	\$ 1,004.00		
105	M101		208V/1PH variable refrigerant volume indoor unit AC-2. -DAIKIN. -FXSA09AAVJU. -320 CFM -24VAC transformer minimum. -Auxiliary drain pan with float switch.	EA	1	0%	1	\$ 885.00	\$ 885.00	\$ 189.00	\$ 189.00	\$ 1,074.00		
106	M101		208V/1PH variable refrigerant volume indoor unit AC-3. -DAIKIN. -FXSA24AAVJU. -785 CFM -24VAC transformer minimum. -Auxiliary drain pan with float switch.	EA	1	0%	1	#####	\$ 1,625.00	\$ 232.00	\$ 232.00	\$ 1,857.00		
107	M101		208V/1PH variable refrigerant volume indoor unit AC-4. -DAIKIN. -FXSA15AAVJU. -570 CFM -24VAC transformer minimum. -Auxiliary drain pan with float switch.	EA	1	0%	1	#####	\$ 1,295.00	\$ 203.00	\$ 203.00	\$ 1,498.00		
108	M101		208V/1PH variable refrigerant volume indoor unit AC-5. -DAIKIN. -FXSA18AAVJU. -430 CFM -24VAC transformer minimum. -Auxiliary drain pan with float switch.	EA	1	0%	1	#####	\$ 1,095.00	\$ 203.00	\$ 203.00	\$ 1,298.00		
109	M101		208V/1PH variable refrigerant volume indoor unit AC-6. -DAIKIN. -FXSA30AAVJU. -940 CFM -24VAC transformer minimum. -Auxiliary drain pan with float switch.	EA	1	0%	1	#####	\$ 1,895.00	\$ 261.00	\$ 261.00	\$ 2,156.00		
110	M101		208V/1PH variable refrigerant volume indoor unit AC-7. -DAIKIN. -FXSA24AAVJU. -525 CFM -24VAC transformer minimum. -Auxiliary drain pan with float switch.	EA	1	0%	1	#####	\$ 1,545.00	\$ 232.00	\$ 232.00	\$ 1,777.00		
111	M101		208V/1PH variable refrigerant volume indoor unit AC-8. -DAIKIN. -FXSA18AAVJU. -775 CFM -24VAC transformer minimum. -Auxiliary drain pan with float switch.	EA	1	0%	1	#####	\$ 1,225.00	\$ 218.00	\$ 218.00	\$ 1,443.00		
112	M101		208V/1PH variable refrigerant volume indoor unit AC-9. -DAIKIN. -FXSA36AAVJU. -750 CFM -24VAC transformer minimum. -Auxiliary drain pan with float switch.	EA	1	0%	1	#####	\$ 2,095.00	\$ 261.00	\$ 261.00	\$ 2,356.00		
113	M101		Condensate pump.	EA	9	0%	9	\$ 365.00	\$ 3,285.00	\$ 58.00	\$ 522.00	\$ 3,807.00		
		23 81 26.13	SMALL-CAPACITY SPLIT-SYSTEM AIR CONDITIONERS											
114	M101		Mini-split indoor unit MSAC-1 -DAIKIN. -FTKF18BVJU9.	EA	1	0%	1	\$ 785.00	\$ 785.00	\$ 145.00	\$ 145.00	\$ 930.00		
		23 81 27	LARGE CONDENSING UNITS											
115	M101		208V/3phase outdoor refringent volume unit HP-1. - DAIKIN - REYA144AATJA. - Hail guard. - All accessories required for a complete and operational system. - All pipe fitting and controls devices required.	EA	1	0%	1	#####	\$ 48,000.00	\$ 4,056.00	\$ 4,056.00	\$52,056.00		

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Note:														
Item #	Deg	Detail	Item Description	Unit	QTY.	Wastage	Quantity w/ Wastage	Unit Material Cost	Total Material Cost	Unit Labor Cost	Total Labor Cost	Sub Cost	Total Trade Cost	
116	M101		208V/3phase outdoor refrigent volume unit HP-2. - DAIKIN - RXYQ72AAYDA. - Hail guard. - All accessories required for a complete and operational system. - All pipe fitting and controls devices required.	EA	1	0%	1	#####	\$ 28,000.00	\$ 2,432.00	\$ 2,432.00	\$30,432.00		
		23 81 28	DUCTLESS AND MINI-SPLIT SYSTEMS											
117	M101		208V/1PHASE indoor Doas unit DOAS-1. -DAIKIN. -T12IN. -900-1200CFM. -Low ambient controls. -AHU integration valve kit equal to Daikin EKEXV200-US.	EA	1	0%	1	#####	\$ 22,000.00	\$ 2,864.00	\$ 2,864.00	\$24,864.00		
118	M101		Valve kit equal to Daikin EKEXV200-US.	EA	1	0%	1	\$ 150.00	\$ 150.00	\$ 76.00	\$ 76.00	\$ 226.00		
		23 81 29	VARIABLE REFRIGERANT FLOW HVAC SYSTEMS											
119	M101		208V/1PH Branch selector unit BS-1. -DAIKIN. -BSF4A54AAVJ.	EA	1	0%	1	#####	\$ 10,700.00	\$ 416.00	\$ 416.00	\$11,116.00		
120	M101		208V/1PH Branch selector unit BS-2. -DAIKIN. -BSF4A54AAVJ.	EA	1	0%	1	#####	\$ 10,700.00	\$ 416.00	\$ 416.00	\$11,116.00		
121	M101		208V/1PH Branch selector unit BS-3. -DAIKIN. -BSF4A54AAVJ.	EA	1	0%	1	#####	\$ 10,700.00	\$ 416.00	\$ 416.00	\$11,116.00		
		23 82 00	CONVECTION HEATING AND COOLING UNITS											
122	M101		208V/1PH unit heater UH-1. -TPL -F1FUH03003. -Built in thermostat. -18 ga.steel cabinet. -Extruded aluminum bar grill.	EA	1	0%	1	\$ 820.00	\$ 820.00	\$ 109.00	\$ 109.00	\$ 929.00		
		23 83 13	RADIANT-HEATING CABLES											
123	See Specs		Provide radiant heating cables as required. - R.F.I. - Quantity not shown on plans.VIF	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -	\$ -		
124			Diems of project.	LS	1	0%	1	\$ -	\$ -	\$ -	\$10,200.00	\$10,200.00		

