

GENERAL SUMMARY

Prepared for:

Project ID:

Scope: **HVAC**

No. Of Floors:

Date: **17-Jan-22**



BUILDING GSF

Sub-Basement (SF)

Basement (SF)

1st Floor (SF)

2nd Floor (SF)

DIVISION NO.	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST
1000	General Requirements	\$ -	\$ -
2000	Demolition/Site Work	\$ -	\$ -
3000	Concrete	\$ -	\$ -
4000	Masonry	\$ -	\$ -
5000	Metals	\$ -	\$ -
6000	Wood Plastics And Composites	\$ -	\$ -
7000	Thermal and Moisture Protection	\$ -	\$ -
8000	Openings	\$ -	\$ -
9000	Finishes	\$ -	\$ -
10000	Specialities	\$ -	\$ -
11000	Equipment	\$ -	\$ -
21000	Fire Suppression	\$ -	\$ -
22000	Plumbing	\$ -	\$ -
23000	HVAC	\$ 1,785,411	\$ -
26000	Electrical	\$ -	\$ -
32000	Exterior Improvements	\$ -	\$ -
TOTAL TRADE COST		\$ 1,785,411	\$ -
OVERHEAD AND PROFIT			
	15%	\$ 267,812	\$ -
INSURANCE			
	0%	\$ -	\$ -
CONTINGENCY			
	0%	\$ -	\$ -
TAX			
	0%	\$ -	\$ -
TOTAL TRADE COST		\$ 2,053,223	\$ -

BREAKDOWN OF ITEMS

Prepared for:
Project ID:
Scope:

HVAC



Date: 17-Jan-22

SR #	REF. DWG.	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
GENERAL REQUIREMENTS										
1		Permits	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
2		Supervision and Coordination	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
3		Submittals and Shop drawings	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
4		Final Cleaning	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
5		Mobilization Costs	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
6		Temporary Control & Facilities	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
7		Scaffolding	SF	0	0%	0	\$ 0.53	\$ 1.13	\$ 1.66	\$ -
SUBTOTAL \$										-
HVAC										
Mechanical Pipe										
8		6" Dia HWH Flue Pipe	FT	54.63	10%	60.093	\$ 40.71	\$ 35.66	\$ 76.37	\$ 4,589.30
9		8" Dia Gas Vent Duct, Sch 40 Cast Iron	FT	26.4	10%	29.04	\$ 64.25	\$ 59.43	\$ 123.68	\$ 3,591.67
Condensate Drain										
10		3/4" Dia Condensate Drain	LF	1357.09	10%	1492.799	\$ 2.98	\$ 12.14	\$ 15.12	\$ 22,571.12
11		1" Dia Condensate Drain	LF	227.56	10%	250.316	\$ 3.48	\$ 13.50	\$ 16.98	\$ 4,250.37
12		1-1/4" Dia Condensate Drain	LF	88.3	10%	97.13	\$ 10.50	\$ 15.88	\$ 26.38	\$ 2,562.29
Condensate Drain Pipe Fittings										
Elbow										
13		3/4" Dia Condensate Drain 45 Deg Elbow	EA	261	0%	261	\$ 30.00	\$ 42.00	\$ 72.00	\$ 18,792.00
14		1" Dia Condensate Drain 45 Deg Elbow	EA	44	0%	44	\$ 38.00	\$ 59.00	\$ 97.00	\$ 4,268.00
15		1-1/4" Dia Condensate Drain 45 Deg Elbow	EA	16	0%	16	\$ 46.00	\$ 68.00	\$ 114.00	\$ 1,824.00
WYE										
16		3/4" Dia Condensate Drain WYE	EA	16	0%	16	\$ 44.00	\$ 75.00	\$ 119.00	\$ 1,904.00
17		1-1/4" / 3/4" Dia Condensate Drain Wye	EA	11	0%	11	\$ 72.00	\$ 130.00	\$ 202.00	\$ 2,222.00
Refrigerant Pipe										
18		1/4" Refrigeration Liquid Pipe	LF	3379.4	10%	3717.34	\$ 1.80	\$ 10.44	\$ 12.24	\$ 45,500.24
19		1/2" Dia Refrigeration Liquid Pipe	LF	4000	10%	4400	\$ 2.46	\$ 11.38	\$ 13.84	\$ 60,896.00
20		3/8" Dia Refrigeration Liquid Pipe	LF	1383	10%	1521.3	\$ 2.09	\$ 10.95	\$ 13.04	\$ 19,837.75
21		5/8" Dia Refrigeration Suction Pipe	LF	1243	10%	1367.3	\$ 5.94	\$ 11.63	\$ 17.57	\$ 24,023.46
22		3/4" Dia Refrigeration Suction Pipe	LF	1240	10%	1364	\$ 2.98	\$ 12.14	\$ 15.12	\$ 20,623.68
23		7/8" Dia Refrigeration Gas Pipe	LF	340	10%	374	\$ 3.20	\$ 13.10	\$ 16.30	\$ 6,096.20
24		1-1/8" Dia Refrigeration Gas Pipe	LF	540	10%	594	\$ 10.50	\$ 15.88	\$ 26.38	\$ 15,669.72
Refrigerant Pipe Fittings										
Elbow										
25		1/4" Refrigeration Liquid Pipe 90 Deg Elbow	EA	6679	0%	6679	\$ 6.50	\$ 14.20	\$ 20.70	\$ 138,255.30
26		1/2" Dia Refrigeration Liquid Pipe 90 Deg Elbow	EA	769	0%	769	\$ 14.00	\$ 39.00	\$ 53.00	\$ 40,757.00
27		3/8" Dia Refrigeration Liquid Pipe 90 Deg Elbow	EA	264	0%	264	\$ 16.50	\$ 42.40	\$ 58.90	\$ 15,549.60
28		5/8" Dia Refrigeration Suction Pipe 90 Deg Elbow	EA	264	0%	264	\$ 18.90	\$ 45.60	\$ 64.50	\$ 17,028.00
29		3/4" Dia Refrigeration Suction Pipe 90 Deg Elbow	EA	64	0%	64	\$ 18.00	\$ 46.00	\$ 64.00	\$ 4,096.00
30		7/8" Dia Refrigeration Gas Pipe 90 Deg Elbow	EA	110	0%	110	\$ 25.00	\$ 60.00	\$ 85.00	\$ 9,350.00
31		1-1/8" Dia Refrigeration Gas Pipe 90 Deg Elbow	EA	66	0%	66	\$ 34.00	\$ 72.00	\$ 106.00	\$ 6,996.00
Air Devices										
32		BG-1, Supply/Return, TITUS CT-480	EA	47	0%	47	\$ 144.00	\$ 65.00	\$ 209.00	\$ 9,823.00
33		BG-2, Supply/Return, TITUS CT-480	EA	139	0%	139	\$ 144.00	\$ 65.00	\$ 209.00	\$ 29,051.00
34		BG-3, Supply/Return, TITUS CT-480	EA	131	0%	131	\$ 144.00	\$ 65.00	\$ 209.00	\$ 27,379.00
35		BG-5, Supply/Return, TITUS CT-480	EA	1	0%	1	\$ 144.00	\$ 65.00	\$ 209.00	\$ 209.00
36		Supply Diffuser, TITUS 355 RS	EA	2	0%	2	\$ 162.00	\$ 74.00	\$ 236.00	\$ 472.00
37		Supply Diffuser, TITUS 355 RS, 1030 CFM	EA	2	0%	2	\$ 348.00	\$ 135.00	\$ 483.00	\$ 966.00
38		Supply Diffuser, TITUS 355 RS, 130 CFM	EA	3	0%	3	\$ 230.00	\$ 80.00	\$ 310.00	\$ 930.00
39		Supply Diffuser, TITUS 355 RS, 150 CFM	EA	2	0%	2	\$ 230.00	\$ 80.00	\$ 310.00	\$ 620.00
40		Supply Diffuser, TITUS 355 RS, 1500 CFM	EA	1	0%	1	\$ 429.00	\$ 166.00	\$ 595.00	\$ 595.00
41		Supply Diffuser, TITUS 355 RS, 200 CFM	EA	1	0%	1	\$ 244.00	\$ 87.00	\$ 331.00	\$ 331.00
42		Supply Diffuser, TITUS 355 RS, 225 CFM	EA	1	0%	1	\$ 244.00	\$ 87.00	\$ 331.00	\$ 331.00
43		Supply Diffuser, TITUS 355 RS, 240 CFM	EA	1	0%	1	\$ 244.00	\$ 87.00	\$ 331.00	\$ 331.00
44		Supply Diffuser, TITUS 355 RS, 240 CFM	EA	1	0%	1	\$ 244.00	\$ 87.00	\$ 331.00	\$ 331.00
45		Supply Diffuser, TITUS 355 RS, 25 CFM	EA	6	0%	6	\$ 107.00	\$ 48.00	\$ 155.00	\$ 930.00
46		Supply Diffuser, TITUS 355 RS, 250 CFM	EA	1	0%	1	\$ 244.00	\$ 87.00	\$ 331.00	\$ 331.00
47		Supply Diffuser, TITUS 355 RS, 300 CFM	EA	3	0%	3	\$ 263.00	\$ 96.00	\$ 359.00	\$ 1,077.00
48		Supply Diffuser, TITUS 355 RS, 350 CFM	EA	4	0%	4	\$ 263.00	\$ 96.00	\$ 359.00	\$ 1,436.00
49		Supply Diffuser, TITUS 355 RS, 360 CFM	EA	2	0%	2	\$ 263.00	\$ 96.00	\$ 359.00	\$ 718.00
50		Supply Diffuser, TITUS 355 RS, 375 CFM	EA	1	0%	1	\$ 263.00	\$ 96.00	\$ 359.00	\$ 359.00
51		Supply Diffuser, TITUS 355 RS, 375 CFM	EA	1	0%	1	\$ 263.00	\$ 96.00	\$ 359.00	\$ 359.00
52		Supply Diffuser, TITUS 355 RS, 50 CFM	EA	1	0%	1	\$ 107.00	\$ 48.00	\$ 155.00	\$ 155.00
53		Supply Diffuser, TITUS 355 RS, 640 CFM	EA	1	0%	1	\$ 312.00	\$ 98.00	\$ 410.00	\$ 410.00
54		Supply Diffuser, TITUS 355 RS, 700 CFM	EA	1	0%	1	\$ 330.00	\$ 106.00	\$ 436.00	\$ 436.00
55		Supply Diffuser, TITUS 355 RS, 75 CFM	EA	2	0%	2	\$ 107.00	\$ 48.00	\$ 155.00	\$ 310.00
56		Supply Diffuser, TITUS 355 RS, 750 CFM	EA	1	0%	1	\$ 330.00	\$ 106.00	\$ 436.00	\$ 436.00

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57		Supply Diffuser, TITUS 355 RS, 95 CFM	EA	1	0%	1	\$ 107.00	\$ 48.00	\$ 155.00	\$ 155.00
58		Supply Linear Diffuser, TITUS FL-10-HT, 160 CFM	EA	8	0%	8	\$ 230.00	\$ 80.00	\$ 310.00	\$ 2,480.00
59		Supply Linear Diffuser, TITUS FL-10-HT, 175 CFM	EA	8	0%	8	\$ 230.00	\$ 80.00	\$ 310.00	\$ 2,480.00
60		Supply Linear Diffuser, TITUS FL-10-JT, 200 CFM	EA	2	0%	2	\$ 244.00	\$ 87.00	\$ 331.00	\$ 662.00
61		Supply Linear Diffuser, TITUS FL-10-JT, 200 CFM	EA	2	0%	2	\$ 244.00	\$ 87.00	\$ 331.00	\$ 662.00
62		Supply Linear Diffuser, TITUS FL-10-JT, 215 CFM	EA	6	0%	6	\$ 244.00	\$ 87.00	\$ 331.00	\$ 1,986.00
63		Supply Linear Diffuser, TITUS FL-10-JT, 360 CFM	EA	1	0%	1	\$ 263.00	\$ 96.00	\$ 359.00	\$ 359.00
64		Return Diffuser, TITUS 355 RL, 1030 CFM	EA	1	0%	1	\$ 348.00	\$ 135.00	\$ 483.00	\$ 483.00
65		Return Diffuser, TITUS 355 RL, 250 CFM	EA	1	0%	1	\$ 244.00	\$ 87.00	\$ 331.00	\$ 331.00
66		Return Diffuser, TITUS 355 RL, 310 CFM	EA	2	0%	2	\$ 263.00	\$ 96.00	\$ 359.00	\$ 718.00
67		Return Diffuser, TITUS 355 RL, 360 CFM	EA	1	0%	1	\$ 263.00	\$ 96.00	\$ 359.00	\$ 359.00
68		Return Diffuser, TITUS 355 RL, 550 CFM	EA	3	0%	3	\$ 385.00	\$ 100.00	\$ 485.00	\$ 1,455.00
69		Return Grille, TITUS 355 RL	EA	4	0%	4	\$ 263.00	\$ 96.00	\$ 359.00	\$ 1,436.00
70		Return Grille, TITUS 355 RL, 300 CFM	EA	1	0%	1	\$ 263.00	\$ 96.00	\$ 359.00	\$ 359.00
71		Return Grille, TITUS 355 RL, 310 CFM	EA	1	0%	1	\$ 263.00	\$ 96.00	\$ 359.00	\$ 359.00
72		Return Grille, TITUS 355 RL, 350 CFM	EA	1	0%	1	\$ 263.00	\$ 96.00	\$ 359.00	\$ 359.00
73		Exhaust Grille, TITUS 355 RL 375 / 5350	EA	2	0%	2	\$ 263.00	\$ 96.00	\$ 359.00	\$ 718.00
74		Exhaust Grille, TITUS 355 RL, 100 CFM	EA	1	0%	1	\$ 107.00	\$ 48.00	\$ 155.00	\$ 155.00
75		Exhaust Grille, TITUS 355 RL, 150 CFM	EA	4	0%	4	\$ 244.00	\$ 87.00	\$ 331.00	\$ 1,324.00
76		Exhaust Grille, TITUS 355 RL, 200 CFM	EA	3	0%	3	\$ 244.00	\$ 87.00	\$ 331.00	\$ 993.00
77		Exhaust Grille, TITUS 355 RL, 225 CFM	EA	1	0%	1	\$ 244.00	\$ 87.00	\$ 331.00	\$ 331.00
78		Exhaust Grille, TITUS 355 RL, 25 CFM	EA	4	0%	4	\$ 107.00	\$ 48.00	\$ 155.00	\$ 620.00
79		Exhaust Grille, TITUS 355 RL, 250 CFM	EA	1	0%	1	\$ 244.00	\$ 87.00	\$ 331.00	\$ 331.00
80		Exhaust Grille, TITUS 355 RL, 275 CFM	EA	1	0%	1	\$ 244.00	\$ 87.00	\$ 331.00	\$ 331.00
81		Exhaust Grille, TITUS 355 RL, 300 CFM	EA	2	0%	2	\$ 263.00	\$ 96.00	\$ 359.00	\$ 718.00
82		Exhaust Grille, TITUS 355 RL, 350 CFM	EA	3	0%	3	\$ 263.00	\$ 96.00	\$ 359.00	\$ 1,077.00
83		Exhaust Grille, TITUS 355 RL, 50 CFM	EA	6	0%	6	\$ 107.00	\$ 48.00	\$ 155.00	\$ 930.00
84		Exhaust Grille, TITUS 355 RL, 50 CFM	EA	2	0%	2	\$ 107.00	\$ 48.00	\$ 155.00	\$ 310.00
85		Exhaust Grille, TITUS 355 RL, 700 CFM	EA	1	0%	1	\$ 330.00	\$ 106.00	\$ 436.00	\$ 436.00
86		Exhaust Grille, TITUS 355 RL, 75 CFM	EA	11	0%	11	\$ 107.00	\$ 48.00	\$ 155.00	\$ 1,705.00
87		6"x6" Ceiling Exhaust Register, TITUS 355 RL, 30 CFM	EA	65	0%	65	\$ 107.00	\$ 48.00	\$ 155.00	\$ 10,075.00
88		Transfer Grille, TITUS 355 RL	EA	112	0%	112	\$ 124.00	\$ 50.00	\$ 174.00	\$ 19,488.00
89		6"x6" Transfer Register, TITUS 355 RL, 30 CFM	EA	107	0%	107	\$ 107.00	\$ 48.00	\$ 155.00	\$ 16,585.00
90		24"x48" Bottom Register (Purge), TITUS 355 ZRL, 6000 CFM	EA	10	0%	10	\$ 568.00	\$ 185.00	\$ 753.00	\$ 7,530.00
Roof Top Unit										
91		RTU-1, Roof Top Unit, LG ARDE-212-58-30H-25I-J	EA	1	0%	1	\$ 4,757.00	\$ 3,197.00	\$ 7,954.00	\$ 7,954.00
Unit Heater										
92		WMH-1, Unit Heater, STELPRO AWF3008T	EA	6	0%	6	\$ 1,488.00	\$ 920.00	\$ 2,408.00	\$ 14,448.00
93		CMH-1, Unit Heater, STELPRO ACF3008C24	EA	12	0%	12	\$ 1,488.00	\$ 920.00	\$ 2,408.00	\$ 28,896.00
94		EUH-1, Unit Heater, STELPRO ASH0383CTCHAR	EA	3	0%	3	\$ 2,651.00	\$ 1,413.00	\$ 4,064.00	\$ 12,192.00
95		EUH-2, Unit Heater, STELPRO ASH0781CTCHAR	EA	4	0%	4	\$ 2,651.00	\$ 1,413.00	\$ 4,064.00	\$ 16,256.00
96		KUH-1, Unit Heater, STELPRO ASKS1001	EA	2	0%	2	\$ 3,110.00	\$ 1,652.00	\$ 4,762.00	\$ 9,524.00
Fan Schedule										
97		GKXF-1, Exhaust Fan, GREENHECK, USF-18	EA	1	0%	1	\$ 334.00	\$ 185.00	\$ 519.00	\$ 519.00
98		GXF-1, Exhaust Fan, GREENHECK, SQ-80-VG	EA	2	0%	2	\$ 334.00	\$ 185.00	\$ 519.00	\$ 1,038.00
99		GXF-1, Exhaust Fan, GREENHECK BSQ-180HP-20	EA	1	0%	1	\$ 334.00	\$ 185.00	\$ 519.00	\$ 519.00
100		GXF-2, Exhaust Fan, GREENHECK, SQ-80-VG	EA	1	0%	1	\$ 334.00	\$ 185.00	\$ 519.00	\$ 519.00
101		PXF-1, Exhaust Fan, GREENHECK, QEI-27	EA	1	0%	1	\$ 298.00	\$ 172.00	\$ 470.00	\$ 470.00
102		RXF-1, Exhaust Fan, GREENHECK, USF-10	EA	1	0%	1	\$ 298.00	\$ 172.00	\$ 470.00	\$ 470.00
103		RXF-R, Exhaust Fan, GREENHECK, SQ-97-VG	EA	1	0%	1	\$ 298.00	\$ 172.00	\$ 470.00	\$ 470.00
104		SPXF-1, Exhaust Fan, GREENHECK, AX-72-190-0610-A30	EA	1	0%	1	\$ 377.00	\$ 200.00	\$ 577.00	\$ 577.00
105		SPXF-2, Exhaust Fan, GREENHECK, AX-441-160-0418-M20	EA	1	0%	1	\$ 377.00	\$ 200.00	\$ 577.00	\$ 577.00
106		TXF-R, Exhaust Fan, GREENHECK, SQ-97-VG	EA	1	0%	1	\$ 460.00	\$ 220.00	\$ 680.00	\$ 680.00
107		MUAF-1, Makeup Air Unit Fan, LF SYSTEMS ISAF20	EA	1	0%	1	\$ 4,869.00	\$ 1,639.00	\$ 6,508.00	\$ 6,508.00
108		DXF-1, Clothes Dryer, LF SYSTEMS, DEF025	EA	1	0%	1	\$ 1,410.00	\$ 386.00	\$ 1,796.00	\$ 1,796.00
109		OAF-1, Details Not Given	EA	1	0%	1	\$ 280.00	\$ 196.00	\$ 476.00	\$ 476.00
Louver										
110		0.5 SQ.FT Louver	EA	6	0%	6	\$ 194.00	\$ 65.00	\$ 259.00	\$ 1,554.00
111		1 SQ.FT Louver	EA	1	0%	1	\$ 234.00	\$ 102.00	\$ 336.00	\$ 336.00
112		2 SQ.FT Louver	EA	1	0%	1	\$ 268.00	\$ 120.00	\$ 388.00	\$ 388.00
113		14 SQFT Garage Exhaust Louver	EA	1	0%	1	\$ 520.00	\$ 166.00	\$ 686.00	\$ 686.00
114		1SQFT, Exhaust Louver W/ Wire Mesh	EA	2	0%	2	\$ 234.00	\$ 102.00	\$ 336.00	\$ 672.00
115		21 SQFT Louver	EA	1	0%	1	\$ 568.00	\$ 195.00	\$ 763.00	\$ 763.00
116		2SQFT Louver	EA	1	0%	1	\$ 268.00	\$ 120.00	\$ 388.00	\$ 388.00
117		3 SQ.FT Louver	EA	2	0%	2	\$ 292.00	\$ 144.00	\$ 436.00	\$ 872.00
118		3 SQFT Relief Air Louver	EA	1	0%	1	\$ 292.00	\$ 144.00	\$ 436.00	\$ 436.00
119		5 SQFT General Exhaust Louver	EA	1	0%	1	\$ 343.00	\$ 160.00	\$ 503.00	\$ 503.00
120		50 SQIN Louver	EA	1	0%	1	\$ 630.00	\$ 244.00	\$ 874.00	\$ 874.00
121		9 SQFT, Relief Louver	EA	1	0%	1	\$ 420.00	\$ 179.00	\$ 599.00	\$ 599.00

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245		ACCU-2B, Air Conditioning Condensing Unit, LG, ARUM072BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
246		ACCU-3A, Air Conditioning Condensing Unit, LG, ARUM144BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
247		ACCU-3B, Air Conditioning Condensing Unit, LG, ARUM072BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
248		ACCU-4A, Air Conditioning Condensing Unit, LG, ARUM144BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
249		ACCU-4B, Air Conditioning Condensing Unit, LG, ARUM072BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
250		ACCU-5A, Air Conditioning Condensing Unit, LG, ARUM121BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
251		ACCU-5B, Air Conditioning Condensing Unit, LG, ARUM072BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
252		ACCU-6A, Air Conditioning Condensing Unit, LG, ARUM121BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
253		ACCU-6B, Air Conditioning Condensing Unit, LG, ARUM072BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
254		ACCU-7A, Air Conditioning Condensing Unit, LG, ARUM121BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
255		ACCU-7B, Air Conditioning Condensing Unit, LG, ARUM072BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
256		ACCU-8A, Air Conditioning Condensing Unit, LG, ARUM121BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
257		ACCU-8B, Air Conditioning Condensing Unit, LG, ARUM096BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
258		ACCU-C/SC, Air Conditioning Condensing Unit, LG, ARUM192BTE5	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
259		AC-C-1, Air Conditioning Unit, LG, ARNU073M1A4	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
260		AC-C-2, Air Conditioning Unit, LG, ARNU363M2A4	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
261		AC-C-3, Air Conditioning Unit, LG, ARNU263M2A4	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
262		AC-C-4, Air Conditioning Unit, LG, ARNU243M1A4	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
263		AC-SC-1, Air Conditioning Unit, LG, ARNU123M1A4	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
264		AC-SC-2, Air Conditioning Unit, LG, ARNU183M1A4	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
265		AC-SC-3, Air Conditioning Unit, LG, ARNU123M1A4	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
266		AC-SC-4, Air Conditioning Unit, LG, ARNU093M1A4	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
267		AC-SC-5, Air Conditioning Unit, LG, ARNU123M1A4	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
268		AC-SC-6, Air Conditioning Unit, LG, ARNU183M1A4	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
269		AC-SC-7, Air Conditioning Unit, LG, ARNU073TUD4	EA	1	0%	1	\$ 2,252.00	\$ 1,414.00	\$ 3,666.00	\$ 3,666.00
		Damper								
270		20"x8" Damper	EA	1	0%	1	\$ 252.00	\$ 69.00	\$ 321.00	\$ 321.00
271		20"x8" Fire Damper	EA	1	0%	1	\$ 252.00	\$ 69.00	\$ 321.00	\$ 321.00
272		10"x6" Damper	EA	51	0%	51	\$ 140.00	\$ 46.00	\$ 186.00	\$ 9,486.00
273		10"x6" Fire Damper	EA	5	0%	5	\$ 140.00	\$ 46.00	\$ 186.00	\$ 930.00
274		10"x6" Fire Smoke Damper	EA	4	0%	4	\$ 140.00	\$ 46.00	\$ 186.00	\$ 744.00
275		10"x8" Damper	EA	3	0%	3	\$ 144.00	\$ 50.00	\$ 194.00	\$ 582.00
276		10"x8" Fire Damper	EA	15	0%	15	\$ 144.00	\$ 50.00	\$ 194.00	\$ 2,910.00
277		12"x6" Cable Operated Damper	EA	8	0%	8	\$ 213.00	\$ 53.00	\$ 266.00	\$ 2,128.00
278		12"x6" Damper	EA	51	0%	51	\$ 213.00	\$ 53.00	\$ 266.00	\$ 13,566.00
279		12"x6" Fire Smoke Damper	EA	3	0%	3	\$ 213.00	\$ 53.00	\$ 266.00	\$ 798.00
280		12"x6" Fire Smoke Damper	EA	2	0%	2	\$ 213.00	\$ 53.00	\$ 266.00	\$ 532.00
281		12"x8" Cable Operated Damper	EA	1	0%	1	\$ 220.00	\$ 55.00	\$ 275.00	\$ 275.00
282		12"x8" Damper	EA	5	0%	5	\$ 220.00	\$ 55.00	\$ 275.00	\$ 1,375.00
283		14" Dia Fire Smoke Damper	EA	1	0%	1	\$ 167.00	\$ 57.00	\$ 224.00	\$ 224.00
284		14"x6" Damper	EA	6	0%	6	\$ 167.00	\$ 57.00	\$ 224.00	\$ 1,344.00
285		14"x6" Fire Damper	EA	3	0%	3	\$ 167.00	\$ 57.00	\$ 224.00	\$ 672.00
286		14"x6" Fire Smoke Damper	EA	2	0%	2	\$ 167.00	\$ 57.00	\$ 224.00	\$ 448.00
287		14"x8" Damper	EA	15	0%	15	\$ 185.00	\$ 64.00	\$ 249.00	\$ 3,735.00
288		14"x8" Fire Smoke Damper	EA	3	0%	3	\$ 185.00	\$ 64.00	\$ 249.00	\$ 747.00
289		16"x10" Damper	EA	2	0%	2	\$ 209.00	\$ 64.00	\$ 273.00	\$ 546.00
290		16"x10" Fire Smoke Damper	EA	1	0%	1	\$ 209.00	\$ 64.00	\$ 273.00	\$ 273.00
291		16"x6" Damper	EA	5	0%	5	\$ 209.00	\$ 64.00	\$ 273.00	\$ 1,365.00
292		16"x6" Fire Damper	EA	1	0%	1	\$ 209.00	\$ 64.00	\$ 273.00	\$ 273.00
293		18"x6" Damper	EA	5	0%	5	\$ 222.00	\$ 70.00	\$ 292.00	\$ 1,460.00
294		18"x8" Damper	EA	2	0%	2	\$ 222.00	\$ 70.00	\$ 292.00	\$ 584.00
295		18"x8" Fire Damper	EA	3	0%	3	\$ 222.00	\$ 70.00	\$ 292.00	\$ 876.00
296		20"x8" Fire Smoke Damper	EA	1	0%	1	\$ 252.00	\$ 69.00	\$ 321.00	\$ 321.00
297		22"x8" Fire Smoke Damper	EA	1	0%	1	\$ 272.00	\$ 78.00	\$ 350.00	\$ 350.00
298		24"x8" Fire Smoke Damper	EA	2	0%	2	\$ 289.00	\$ 86.00	\$ 375.00	\$ 750.00
299		26"x10" Fire Damper	EA	1	0%	1	\$ 322.00	\$ 110.00	\$ 432.00	\$ 432.00
300		26"x20" Fire Damper	EA	1	0%	1	\$ 322.00	\$ 110.00	\$ 432.00	\$ 432.00
301		26"x20" Motorized Damper	EA	1	0%	1	\$ 322.00	\$ 110.00	\$ 432.00	\$ 432.00
302		26"x24" Motorized Damper	EA	1	0%	1	\$ 322.00	\$ 110.00	\$ 432.00	\$ 432.00

BREAKDOWN OF ITEMS

Prepared for:

Project ID:

Scope: **HVAC**



Date: **17-Jan-22**

SR #	REF. DWG.	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
303		30"x12" Fire Damper	EA	1	0%	1	\$ 341.00	\$ 121.00	\$ 462.00	\$ 462.00
304		30"x24" Damper	EA	1	0%	1	\$ 341.00	\$ 121.00	\$ 462.00	\$ 462.00
305		30"x24" Fire Smoke Damper	EA	1	0%	1	\$ 341.00	\$ 121.00	\$ 462.00	\$ 462.00
306		30"x24" Fire Smoke Damper	EA	3	0%	3	\$ 341.00	\$ 121.00	\$ 462.00	\$ 1,386.00
307		32"x20" Fire Damper	EA	1	0%	1	\$ 366.00	\$ 132.00	\$ 498.00	\$ 498.00
308		34"x20" Fire Smoke Damper	EA	18	0%	18	\$ 375.00	\$ 138.00	\$ 513.00	\$ 9,234.00
309		36"x20" Fire Smoke Damper	EA	1	0%	1	\$ 388.00	\$ 150.00	\$ 538.00	\$ 538.00
310		44"x26" Motorized Damper	EA	1	0%	1	\$ 426.00	\$ 162.00	\$ 588.00	\$ 588.00
311		6"x6" Damper	EA	5	0%	5	\$ 44.00	\$ 40.00	\$ 84.00	\$ 420.00
312		6"x6" Fire Smoke Damper	EA	1	0%	1	\$ 44.00	\$ 40.00	\$ 84.00	\$ 84.00
313		8"x6" Damper	EA	17	0%	17	\$ 65.00	\$ 52.00	\$ 117.00	\$ 1,989.00
314		8"x6" Fire Damper	EA	4	0%	4	\$ 65.00	\$ 52.00	\$ 117.00	\$ 468.00
315		8"x6" Fire Smoke Damper	EA	4	0%	4	\$ 65.00	\$ 52.00	\$ 117.00	\$ 468.00
		Misc.								
316		RC Box	EA	31	0%	31	\$ 48.00	\$ 93.00	\$ 141.00	\$ 4,371.00
317		Thermostat	EA	45	0%	45	\$ 85.00	\$ 68.00	\$ 153.00	\$ 6,885.00
318		RC Box	EA	31	0%	31	\$ 48.00	\$ 93.00	\$ 141.00	\$ 4,371.00
319		6 SQFT Fire Smoke Purge Exhaust	EA	1	0%	1	\$ 184.00	\$ 155.00	\$ 339.00	\$ 339.00
320		36"x16" Cap	EA	1	0%	1	\$ 100.00	\$ 217.00	\$ 317.00	\$ 317.00
321		10"x8" Wire Mesh Screen	EA	1	0%	1	\$ 160.00	\$ 124.00	\$ 284.00	\$ 284.00
		Duct Weight								
322		Galvanized Sheet Metal Duct	LB	31485	0%	31485	\$ 0.73	\$ 11.76	\$ 12.49	\$ 393,247.65
		Duct Installation								
323		1-1/2" Thick Mineral Fiber Blanket	SQFT	5205	0%	5205	\$ 0.35	\$ 5.88	\$ 6.23	\$ 32,427.15
324		2" Thick Mineral Fiber Blanket	SQFT	274	0%	274	\$ 0.46	\$ 6.24	\$ 6.70	\$ 1,835.80
325		1" Thick Acoustical Liner (Thickness Assumed)	SQFT	9702	0%	9702	\$ 0.30	\$ 5.46	\$ 5.76	\$ 55,883.52
326		2" Thick Calcium Insulation	SQFT	104	0%	104	\$ 0.46	\$ 6.24	\$ 6.70	\$ 696.80
327		2-Hr Fire Rated Duct Wrap	SQFT	72	0%	72	\$ 0.46	\$ 6.24	\$ 6.70	\$ 482.40
328		1" Thick Mineral Fiber (Exhaust Duct as Mentioned on Drawing Sheet)	SQFT	600	0%	600	\$ 0.30	\$ 5.46	\$ 5.76	\$ 3,456.00
		Duct Support								
329		3/8" Threaded Rod	EA	1748	0%	1748	\$ 6.80	\$ 12.53	\$ 19.33	\$ 33,780.10
330		1" x 22 Ga. Strap	EA	874	0%	874	\$ 5.20	\$ 8.78	\$ 13.98	\$ 12,214.15

SUBTOTAL \$ 1,785,411

	PROJECTED COST		
OVERHEAD AND PROFIT	0.15	0.15	15%
INSURANCE	0	0	0%
CONTINGENCY	0	0	0%
TAX	0	0	0%
SUGGESTED BID			\$2,053,223

Note:

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