

GENERAL SUMMARY

Prepared for:

Project ID:

Scope:

No. Of Floors:

Date:



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	\$ -	\$ -
23000	HVAC	\$ -	\$ -
TOTAL TRADE COST		\$ -	\$ -
INSURANCE	15%	\$ -	\$ -
CONTINGENCY	0%	\$ -	\$ -
TAX	0%	\$ -	\$ -
TOTAL TRADE COST		\$ -	\$ -

BREAKDOWN OF ITEMS

Prepared for:

Project ID:

Scope: HVAC



Date:

SR #	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	\$ -	\$ -	\$ -	\$ -
SUBTOTAL \$									-

DEMOLITION									
8	Remove Existing Roof Top Unit	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
9	Remove Existing Air Devices	EA	23	0%	23	\$ -	\$ -	\$ -	\$ -
10	Remove Supply Air Duct	LF	214	0%	214	\$ -	\$ -	\$ -	\$ -
SUBTOTAL \$									-

HVAC									
Compressed Air Pipe									
Type L Copper W/ Brazed Fittings									
11	1/2" Dia Compressed Air Pipe	LF	137	10%	150	\$ -	\$ -	\$ -	\$ -
12	2" Dia Compressed Air Pipe	LF	214	10%	236	\$ -	\$ -	\$ -	\$ -
Compressed Air Pipe Fittings									
Elbow									
13	1/2" Dia Compressed Air Pipe 90 Deg Elbow	EA	26	0%	26	\$ -	\$ -	\$ -	\$ -
14	2" Dia Compressed Air Pipe 90 Deg Elbow	EA	10	0%	10	\$ -	\$ -	\$ -	\$ -
Tee									
15	2" Dia Compressed Air Pipe Tee	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
16	2" / 1/2" Dia Compressed Air Pipe Tee	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
Reducer									
17	2" / 1/2" Dia Compressed Air Pipe Reducer	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
Refrigerant Pipe									
18	3/8" Dia Refrigeration Liquid Pipe	LF	10	10%	11	\$ -	\$ -	\$ -	\$ -
19	5/8" Dia Refrigeration Suction Pipe	LF	10	10%	11	\$ -	\$ -	\$ -	\$ -
Insulation									
1/2" Thick Fiberglass Pipe Insulation									
20	3/8" Dia Refrigeration Liquid Pipe	LF	10	10%	11	\$ -	\$ -	\$ -	\$ -
21	5/8" Dia Refrigeration Suction Pipe	LF	10	10%	11	\$ -	\$ -	\$ -	\$ -
Refrigerant Pipe Fittings									
Elbow									
22	3/8" Dia Refrigeration Liquid Pipe 90 Deg Elbow	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
23	5/8" Dia Refrigeration Suction Pipe 90 Deg Elbow	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
Condensate Drain Pipe									
24	1/2" Dia Condensate Drain Pipe	LF	20	10%	22	\$ -	\$ -	\$ -	\$ -
Insulation									
1/2" Thick Fiberglass Pipe Insulation									
25	1/2" Dia Condensate Drain Pipe	LF	20	10%	22	\$ -	\$ -	\$ -	\$ -
Condensate Drain Pipe Fittings									
Elbow									
26	1/2" Dia Condensate Drain Pipe 90 Deg Elbow	EA	5	0%	5	\$ -	\$ -	\$ -	\$ -
Air Devices									
27	1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum	EA	7	0%	7	\$ -	\$ -	\$ -	\$ -
28	1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
29	1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
30	1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
31	1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
32	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
33	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
34	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
35	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
36	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
37	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
38	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
39	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim	EA	8	0%	8	\$ -	\$ -	\$ -	\$ -
40	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
41	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
42	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T-	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
43	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T-	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
44	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T-	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
45	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T-	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
46	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T-	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -

BREAKDOWN OF ITEMS

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SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
47	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T-	EA	7	0%	7	\$ -	\$ -	\$ -	\$ -
48	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T-	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
49	2, Return Grille, TITUS 50F, Material Aluminum, Trim: G	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
50	Fabricated, 4-Way Throw Diffuser, 26"x26" Neck Size	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
Roof Top Unit									
51	RTU-1, Roof Top Unit, DAIKIN DBG0364BH00029C3, T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
52	RTU-2, Roof Top Unit, DAIKIN DBG048BH00016C4, Ty	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
53	RTU-3, Roof Top Unit, DAIKIN DBG0604BH00008C5, T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
54	RTU-4, Roof Top Unit, DAIKIN DBG0604BH00008C5, T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
55	RTU-5, Roof Top Unit, DAIKIN DBG048BH00016C4, Ty	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
56	RTU-6, Roof Top Unit, DAIKIN DBG0364BH00029C3, T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
57	RTU-7, Roof Top Unit, DAIKIN DBG0364BH00029C3, T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
58	RTU-8, Roof Top Unit, DAIKIN DBG0364BH00029C3, T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
59	RTU-9, Roof Top Unit, DAIKIN DBG0904VH00006C7.5	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Unit Heater									
60	UH-1, Unit Heater, REZNOR UDAS-45, Type: Separate	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
61	UH-2, Unit Heater, REZNOR UDAS-45, Type: Separate	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
62	UH-3, Unit Heater, REZNOR UDAS-45, Type: Separate	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
63	UH-4, Unit Heater, REZNOR UDAS-45, Type: Separate	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Fan Schedule									
64	EF-1, Exhaust Fan, GREENHECK SP-A200, 50 CFM, 14C	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
65	EF-2, Exhaust Fan, GREENHECK SP-A200, 50 CFM, 14C	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
66	EF-3, Exhaust Fan, GREENHECK SP-A200, 50 CFM, 14C	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Evaporator Cooler									
67	EC-1, Evaporator Cooler, PHEONIX 1425, 10,120 CFM	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
68	EC-2, Evaporator Cooler, PHEONIX 1425, 10,120 CFM	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
69	EC-3, Evaporator Cooler, PHEONIX 1425, 10,120 CFM	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Split System									
70	AC-1, Air Conditioner, DAIKIN FTXB18AXVJU, 560 CFM	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
71	CU-1, Condensing Unit, DAIKIN RXB18AXVJU, 12 MCA	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Relief Air Hoods									
72	RH-1, Relied Air Hood, GREENHECK, Size: 60Lx96H, M	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
73	RH-2, Relied Air Hood, GREENHECK, Size: 60Lx96H, M	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Relief Air Hoods									
74	RH-1, Relied Air Hood, GREENHECK, Size: 60Lx96H, M	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
75	RH-2, Relied Air Hood, GREENHECK, Size: 60Lx96H, M	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Compressed Air Unit									
76	CA-1, Compressed Air Unit, INGERSOLL 7100E1.5, Typ	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Air Dryer									
77	AD-1, Air Dryer, INGERSOLL, D54IN, Type: Non Cyclin	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Dampers									
78	6" Dia Manual Volume Damper W/ Remote Ceiling Op	EA	5	0%	5	\$ -	\$ -	\$ -	\$ -
79	8" Dia Manual Volume Damper W/ Remote Ceiling Op	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
80	10" Dia Manual Volume Damper W/ Remote Ceiling C	EA	8	0%	8	\$ -	\$ -	\$ -	\$ -
81	8" Dia Manual Volume Damper	EA	15	0%	15	\$ -	\$ -	\$ -	\$ -
82	10" Dia Manual Volume Damper	EA	21	0%	21	\$ -	\$ -	\$ -	\$ -
Misc.									
83	1/2" Dia Pressure Regulator, WILKERSON #C28-06-FH	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
84	Duct Mounted Smoke Detector	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
85	Thermostat	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
86	Air Tool	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
87	Inline Filters	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
88	PACE Flow Controller	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
89	6" Dia Weather Cap	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
Air Drop Single Detail									
90	1/2" Dia Cross	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
91	1/2" Dia Drip Leg, 12" Long	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
92	1/2" Dia Plug On Cross	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
93	1/2" Dia Quick Disconnect	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
94	1/2" Dia SOV, Shut-Off Valve	EA	33	0%	33	\$ -	\$ -	\$ -	\$ -
95	1/2" x 3/8" Reducer	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
Duct Weight									
96	Galvanized Sheet Metal Duct	LB	4218	0%	4218	\$ -	\$ -	\$ -	\$ -
Duct Installation									
97	1-1/2" Thick Mineral Fiber Blanket	SQFT	3767	0%	3767	\$ -	\$ -	\$ -	\$ -
Pipe Support									
98	1/2" Dia Adjustable Clevis Hanger	EA	22	0%	22	\$ -	\$ -	\$ -	\$ -
99	2" Dia Adjustable Clevis Hanger	EA	21	0%	21	\$ -	\$ -	\$ -	\$ -
100	1/2" Dia Threaded Rod (1 Ea = 1 FT)	EA	43	0%	43	\$ -	\$ -	\$ -	\$ -
Duct Support									

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101	3/8" Threaded Rod	EA	229	0%	229	\$ -	\$ -	\$ -	\$ -
102	1" x 22 Ga. Strap	EA	114	0%	114	\$ -	\$ -	\$ -	\$ -

SUBTOTAL \$ -

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

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.

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SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
HVAC					
Sheet Metal Duct					
Galvanized Sheet Metal Duct					
1	6" Dia Supply Air Duct	LFT	26	10%	28
2	8" Dia Supply Air Duct	LFT	169	10%	186
3	10" Dia Supply Air Duct	LFT	306	10%	337
4	12" Dia Supply Air Duct	LFT	16	10%	17
5	14" Dia Supply Air Duct	LFT	46	10%	51
6	16" Dia Supply Air Duct	LFT	159	10%	175
7	16"x16" Supply Air Duct (Size assumed)	LFT	29	10%	32
8	18" Dia Supply Air Duct	LFT	34	10%	37
9	18"x14" Supply Air Duct (Size assumed)	LFT	8	10%	9
10	26"x26" Supply Air Duct (Service & Size assumed)	LFT	8	10%	9
11	8" Dia Return Air Duct	LFT	15	10%	16
12	10" Dia Return Air Duct	LFT	62	10%	68
13	12" Dia Return Air Duct	LFT	43	10%	47
14	14" Dia Return Air Duct	LFT	57	10%	62
15	14"x14" Return Air Duct (Size assumed)	LFT	10	10%	11
16	16" Dia Return Air Duct	LFT	54	10%	59
17	18" Dia Return Air Duct	LFT	49	10%	54
18	22"x10" Return Air Duct	LFT	4	10%	5
19	22"x14" Return Air Duct (Size assumed)	LFT	33	10%	37
20	6" Dia Exhaust Air Duct	LFT	18	10%	19
Duct Fittings					
Elbow					
21	6" Dia Supply Air Duct 90 Deg Elbow	EA	5	0%	5
22	8" Dia Supply Air Duct 90 Deg Elbow	EA	23	0%	23
23	10" Dia Supply Air Duct 45 Deg Elbow	EA	1	0%	1
24	10" Dia Supply Air Duct 90 Deg Elbow	EA	47	0%	47
25	12" Dia Supply Air Duct 90 Deg Elbow	EA	1	0%	1
26	14" Dia Supply Air Duct 90 Deg Elbow	EA	2	0%	2
27	16" Dia Supply Air Duct 90 Deg Elbow	EA	7	0%	7
28	18" Dia Supply Air Duct 90 Deg Elbow	EA	3	0%	3
29	10" Dia Return Air Duct 90 Deg Elbow	EA	6	0%	6
30	12" Dia Return Air Duct 90 Deg Elbow	EA	7	0%	7
31	14" Dia Return Air Duct 90 Deg Elbow	EA	2	0%	2
32	16" Dia Return Air Duct 45 Deg Elbow	EA	2	0%	2
33	16" Dia Return Air Duct 90 Deg Elbow	EA	6	0%	6
34	18" Dia Return Air Duct 45 Deg Elbow	EA	1	0%	1
35	18" Dia Return Air Duct 90 Deg Elbow	EA	4	0%	4
36	8" Dia Return Air Duct 90 Deg Elbow	EA	3	0%	3
37	6" Dia Exhaust Air Duct 90 Deg Elbow	EA	3	0%	3
Take-Off					

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SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
38	8" / 6" Dia Supply Air Duct Takeoff	EA	1	0%	1
39	10" / 8" Dia Supply Air Duct Takeoff	EA	5	0%	5
40	12" / 6" Dia Supply Air Duct Takeoff	EA	1	0%	1
41	12" / 10" Dia Supply Air Duct Takeoff	EA	1	0%	1
42	14" / 8" Dia Supply Air Duct Takeoff	EA	2	0%	2
43	14" / 10" Dia Supply Air Duct Takeoff	EA	4	0%	4
44	16" / 6" Dia Supply Air Duct Takeoff	EA	1	0%	1
45	16" / 8" Dia Supply Air Duct Takeoff	EA	5	0%	5
46	16" / 10" Dia Supply Air Duct Takeoff	EA	17	0%	17
47	16"x16" / 8" Dia Supply Air Duct Takeoff	EA	2	0%	2
48	16"x16" / 10" Dia Supply Air Duct Takeoff	EA	1	0%	1
49	16"x16" / 14" Dia Supply Air Duct Takeoff	EA	1	0%	1
50	16"x16" / 16" Dia Supply Air Duct Takeoff	EA	7	0%	7
51	18" / 6" Dia Supply Air Duct Takeoff	EA	1	0%	1
52	18" / 10" Dia Supply Air Duct Takeoff	EA	3	0%	3
53	18"x14" / 18" Dia Supply Air Duct Takeoff	EA	2	0%	2
54	14" / 10" Dia Return Air Duct Takeoff	EA	1	0%	1
55	14" / 12" Dia Return Air Duct Takeoff	EA	2	0%	2
56	14"x14" / 16" Dia Return Air Duct Takeoff	EA	4	0%	4
57	16" / 16" Dia Return Air Duct Takeoff	EA	1	0%	1
58	18" / 18" Dia Return Air Duct Takeoff	EA	1	0%	1
59	22"x10" / 18" Dia Return Air Duct Takeoff	EA	1	0%	1
60	22"x14" / 8" Dia Return Air Duct Takeoff	EA	1	0%	1
61	22"x14" / 10" Dia Return Air Duct Takeoff	EA	2	0%	2
62	22"x14" / 12" Dia Return Air Duct Takeoff	EA	1	0%	1
63	22"x14" / 14" Dia Return Air Duct Takeoff	EA	3	0%	3
64	22"x14" / 14"x14" Return Air Duct Takeoff	EA	2	0%	2
65	22"x14" / 16" Dia Return Air Duct Takeoff	EA	3	0%	3
	Reducer				
66	8" / 6" Dia Supply Air Duct Reducer	EA	1	0%	1
67	10" / 8" Dia Supply Air Duct Reducer	EA	3	0%	3
68	12" / 10" Dia Supply Air Duct Reducer	EA	1	0%	1
69	14" / 10" Dia Supply Air Duct Reducer	EA	3	0%	3
70	16" / 10" Dia Supply Air Duct Reducer	EA	3	0%	3
71	16" / 12" Dia Supply Air Duct Reducer	EA	1	0%	1
72	16" / 14" Dia Supply Air Duct Reducer	EA	2	0%	2
73	18" / 14" Dia Supply Air Duct Reducer	EA	1	0%	1
74	18" / 16" Dia Supply Air Duct Reducer	EA	1	0%	1
75	14" / 10" Dia Return Air Duct Reducer	EA	1	0%	1
76	14" / 12" Dia Return Air Duct Reducer	EA	2	0%	2
77	16" / 8" Dia Return Air Duct Reducer	EA	1	0%	1
	Duct Couplers				

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SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
78	8" Dia Duct Coupler	EA	2	0%	2
79	10" Dia Duct Coupler	EA	6	0%	6
80	12" Dia Duct Coupler	EA	1	0%	1
81	14" Dia Duct Coupler	EA	2	0%	2
82	16" Dia Duct Coupler	EA	5	0%	5
83	18" Dia Duct Coupler	EA	2	0%	2