

GENERAL SUMMARY

Prepared for:

Project ID:

Scope: MEP

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/Site Work	\$ -	\$ -
22000	Plumbing	\$ -	\$ -
23000	HVAC	\$ -	\$ -
26000	Electrical	\$ -	\$ -
TOTAL TRADE COST		\$ -	\$ -
OVERHEAD AND PROFIT		15%	\$ -
INSURANCE		0%	\$ -
CONTINGENCY		0%	\$ -
TAX		0%	\$ -
TOTAL TRADE COST		\$ -	\$ -

BREAKDOWN OF ITEMS

Prepared for:
 Project ID:
 Scope: **MEP**



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	16522	0%	16522	\$ -	\$ -	\$ -	\$ -
SUBTOTAL \$									-
DEMOLITION									
8	Remove Existing Water Heater	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
9	Remove Existing Tank	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
10	Remove Existing Piping	LFT	210	0%	210	\$ -	\$ -	\$ -	\$ -
11	Remove Existing Roof Top Units	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
12	Remove Existing Duct	LFT	164	0%	164	\$ -	\$ -	\$ -	\$ -
13	Remove Existing Lighting Fixtures	EA	60	0%	60	\$ -	\$ -	\$ -	\$ -
14	Remove Existing Wiring With Conduit	FT	320	0%	320	\$ -	\$ -	\$ -	\$ -
SUBTOTAL \$									-
Plumbing									
Cold Water Pipe Underground									
Type K Soft Drawn Copper W/ Wrought Copper Fittings									
15	1" Dia Cold Water Pipe	LF	458	10%	504	\$ -	\$ -	\$ -	\$ -
16	2-1/2" Dia Cold Water Pipe	LF	9	10%	9	\$ -	\$ -	\$ -	\$ -
Cold Water Pipe Fittings									
Elbow									
17	1" Dia Cold Water Pipe 90 Deg Elbow	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
18	2-1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Cold Water Pipe									
Type L Hard Drawn Copper W/ Wrought Copper Fittings									
19	1/2" Dia Cold Water Pipe	LF	150	10%	165	\$ -	\$ -	\$ -	\$ -
20	3/4" Dia Cold Water Pipe	LF	150	10%	165	\$ -	\$ -	\$ -	\$ -
21	1" Dia Cold Water Pipe	LF	177	10%	195	\$ -	\$ -	\$ -	\$ -
22	1-1/4" Dia Cold Water Pipe	LF	82	10%	90	\$ -	\$ -	\$ -	\$ -
23	1-1/2" Dia Cold Water Pipe	LF	82	10%	90	\$ -	\$ -	\$ -	\$ -
24	2" Dia Cold Water Pipe	LF	40	10%	44	\$ -	\$ -	\$ -	\$ -
25	2-1/2" Dia Cold Water Pipe	LF	13	10%	14	\$ -	\$ -	\$ -	\$ -
Insulation									
1" Thick Noncombustible, Performed, Fiberglass Pipe Insulation W/ A Conductivity, K-Value, Of 0.27 A 75 F, With Kraft Reinforced Foil Vapor Barrier W/ Self Adhesive Joints.									
26	1/2" Dia Cold Water Pipe	LF	136	10%	150	\$ -	\$ -	\$ -	\$ -
27	3/4" Dia Cold Water Pipe	LF	412	10%	453	\$ -	\$ -	\$ -	\$ -
28	1" Dia Cold Water Pipe	LF	177	10%	195	\$ -	\$ -	\$ -	\$ -
29	1-1/4" Dia Cold Water Pipe	LF	18	10%	19	\$ -	\$ -	\$ -	\$ -
30	1-1/2" Dia Cold Water Pipe	LF	82	10%	90	\$ -	\$ -	\$ -	\$ -
31	2" Dia Cold Water Pipe	LF	40	10%	44	\$ -	\$ -	\$ -	\$ -
32	2-1/2" Dia Cold Water Pipe	LF	13	10%	14	\$ -	\$ -	\$ -	\$ -
Cold Water Pipe Fittings									
Elbow									
33	1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	32	0%	32	\$ -	\$ -	\$ -	\$ -
34	3/4" Dia Cold Water Pipe 90 Deg Elbow	EA	21	0%	21	\$ -	\$ -	\$ -	\$ -
35	1" Dia Cold Water Pipe 90 Deg Elbow	EA	14	0%	14	\$ -	\$ -	\$ -	\$ -
36	1-1/4" Dia Cold Water Pipe 90 Deg Elbow	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
37	1-1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
38	2-1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
Tee									
39	1/2" Dia Cold Water Pipe Tee	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
40	3/4" Dia Cold Water Pipe Tee	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
41	1" Dia Cold Water Pipe Tee	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
42	3/4" / 1/2" Dia Cold Water Pipe Tee	EA	5	0%	5	\$ -	\$ -	\$ -	\$ -
43	1" / 1/2" Dia Cold Water Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
44	1" / 3/4" Dia Cold Water Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
45	1-1/4" / 1/2" Dia Cold Water Pipe Tee	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -

SAMPLE ESTIMATE BY
 NATIONAL ESTIMATING, DRAFTING AND ENGINEERING SERVICES

BREAKDOWN OF ITEMS

Prepared for:
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Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
46	1-1/2" / 1/2" Dia Cold Water Pipe Tee	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
47	1-1/2" / 3/4" Dia Cold Water Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
48	1-1/2" / 1-1/4" Dia Cold Water Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
49	2" / 3/4" Dia Cold Water Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
50	2" / 1-1/2" Dia Cold Water Pipe Tee	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
51	2-1/2" / 1" Dia Cold Water Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
	Reducer								
52	3/4" / 1/2" Dia Cold Water Pipe Reducer	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
53	1" / 3/4" Dia Cold Water Pipe Reducer	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
54	1-1/4" / 3/4" Dia Cold Water Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
55	1-1/2" / 3/4" Dia Cold Water Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
56	1-1/2" / 1" Dia Cold Water Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
57	1-1/2" / 1-1/4" Dia Cold Water Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
58	2" / 1-1/2" Dia Cold Water Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
59	2-1/2" / 2" Dia Cold Water Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Hot Water Pipe								
	Type L Hard Drawn Copper W/ Wrought Copper Fittings								
60	1/2" Dia Hot Water Pipe	LF	76	10%	84	\$ -	\$ -	\$ -	\$ -
61	3/4" Dia Hot Water Pipe	LF	109	10%	120	\$ -	\$ -	\$ -	\$ -
62	1" Dia Hot Water Pipe	LF	60	10%	66	\$ -	\$ -	\$ -	\$ -
	Insulation								
	1" Thick Noncombustible, Performed, Fiberglass Pipe Insulation W/ A Conductivity, K-Value, Of 0.27 A 75 F, With Kraft Reinforced Foil Vapor Barrier W/ Self Adhesive Joints.								
63	1/2" Dia Hot Water Pipe	LF	76	10%	84	\$ -	\$ -	\$ -	\$ -
64	3/4" Dia Hot Water Pipe	LF	109	10%	120	\$ -	\$ -	\$ -	\$ -
65	1" Dia Hot Water Pipe	LF	60	10%	66	\$ -	\$ -	\$ -	\$ -
	Hot Water Pipe Fittings								
	Elbow								
66	1/2" Dia Hot Water Pipe 90 Deg Elbow	EA	19	0%	19	\$ -	\$ -	\$ -	\$ -
67	3/4" Dia Hot Water Pipe 90 Deg Elbow	EA	8	0%	8	\$ -	\$ -	\$ -	\$ -
68	1" Dia Hot Water Pipe 90 Deg Elbow	EA	8	0%	8	\$ -	\$ -	\$ -	\$ -
	Tee								
69	1/2" Dia Hot Water Pipe Tee	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
70	3/4" / 1/2" Dia Hot Water Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
71	1" / 1/2" Dia Hot Water Pipe Tee	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
72	1" / 3/4" Dia Hot Water Pipe Tee	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Reducer								
73	1" / 1/2" Dia Hot Water Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Hot Water Return Pipe								
	Type L Hard Drawn Copper W/ Wrought Copper Fittings								
74	1/2" Dia Hot Water Return Pipe	LF	53	10%	58	\$ -	\$ -	\$ -	\$ -
	Insulation								
	1" Thick Noncombustible, Performed, Fiberglass Pipe Insulation W/ A Conductivity, K-Value, Of 0.27 A 75 F, With Kraft Reinforced Foil Vapor Barrier W/ Self Adhesive Joints.								
75	1/2" Dia Hot Water Return Pipe	LF	53	10%	58	\$ -	\$ -	\$ -	\$ -
	Hot Water Return Pipe Fittings								
	Elbow								
76	1/2" Dia Hot Water Return Pipe 90 Deg Elbow	EA	10	0%	10	\$ -	\$ -	\$ -	\$ -
	Gas Pipe Underground								
	Sch 40 Black Steel								
77	2" Dia Gas Pipe	LF	7	10%	8	\$ -	\$ -	\$ -	\$ -
	Sch 40 Black Steel, W/ Class 150 Black Malleable Iron Screwed Fittings								
78	3" Dia Gas Pipe	LF	400	10%	440	\$ -	\$ -	\$ -	\$ -
	Gas Pipe Fittings								
	Elbow								
79	2" Dia Gas Pipe 90 Deg Elbow	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
80	3" Dia Gas Pipe 90 Deg Elbow	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
	Reducer								
81	3" / 2" Dia Gas Pipe Reducer	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
	Gas Pipe								
	Sch 40 Black Steel								
82	3/4" Dia Gas Pipe	LF	183	10%	201	\$ -	\$ -	\$ -	\$ -

SAMPLE ESTIMATE BY
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 SERVICES

ESTIMATE BY
 ENGINEERING

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SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
83	1" Dia Gas Pipe	LF	190	10%	209	\$ -	\$ -	\$ -	\$ -
84	1-1/4" Dia Gas Pipe	LF	171	10%	188	\$ -	\$ -	\$ -	\$ -
85	1-1/2" Dia Gas Pipe	LF	98	10%	108	\$ -	\$ -	\$ -	\$ -
86	2" Dia Gas Pipe	LF	29	10%	32	\$ -	\$ -	\$ -	\$ -
	Sch 40 Black Steel, W/ Class 150 Black Malleable Iron Screwed Fittings								
87	2-1/2" Dia Gas Pipe	LF	58	10%	64	\$ -	\$ -	\$ -	\$ -
88	3" Dia Gas Pipe	LF	2	10%	2	\$ -	\$ -	\$ -	\$ -
	Gas Pipe Fittings								
	Elbow								
89	3/4" Dia Gas Pipe 90 Deg Elbow	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
90	1" Dia Gas Pipe 90 Deg Elbow	EA	20	0%	20	\$ -	\$ -	\$ -	\$ -
91	1-1/2" Dia Gas Pipe 90 Deg Elbow	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
92	2" Dia Gas Pipe 90 Deg Elbow	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
93	2-1/2" Dia Gas Pipe 90 Deg Elbow	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
	Tee								
94	2-1/2" Dia Gas Pipe Tee	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
95	1" / 3/4" Dia Gas Pipe Tee	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
96	1-1/4" / 1" Dia Gas Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
97	1-1/2" / 3/4" Dia Gas Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
98	1-1/2" / 1" Dia Gas Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
99	2" / 1" Dia Gas Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
100	2-1/2" / 1" Dia Gas Pipe Tee	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
101	3" / 2" Dia Gas Pipe Tee	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Reducer								
102	1" / 3/4" Dia Gas Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
103	1-1/4" / 1" Dia Gas Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
104	1-1/2" / 1" Dia Gas Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
105	1-1/2" / 1-1/4" Dia Gas Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
106	2" / 1-1/2" Dia Gas Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
107	2-1/2" / 1-1/2" Dia Gas Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
108	2-1/2" / 2" Dia Gas Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
109	3" / 2-1/2" Dia Gas Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Overflow Storm Drain Pipe								
	Cast Iron No Hub Coupling								
110	4" Dia Overflow Storm Drain Pipe	LF	145	10%	160	\$ -	\$ -	\$ -	\$ -
	Overflow Storm Drain Pipe Fittings								
	Elbow								
111	4" Dia Overflow Storm Drain Pipe 90 Deg Elbow	EA	12	0%	12	\$ -	\$ -	\$ -	\$ -
112	4" Dia Overflow Storm Drain Pipe 45 Deg Elbow	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Storm Drain Pipe								
	Cast Iron No Hub Coupling								
113	4" Dia Storm Drain Pipe	LF	146	10%	161	\$ -	\$ -	\$ -	\$ -
	Storm Drain Pipe Fittings								
	Elbow								
114	4" Dia Storm Drain Pipe 90 Deg Elbow	EA	13	0%	13	\$ -	\$ -	\$ -	\$ -
115	4" Dia Storm Drain Pipe 45 Deg Elbow	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
	Waste Pipe Underground								
	Cast Iron No Hub Coupling								
116	2" Dia Waste Pipe	LF	101	10%	111	\$ -	\$ -	\$ -	\$ -
117	3" Dia Waste Pipe	LF	22	10%	24	\$ -	\$ -	\$ -	\$ -
118	4" Dia Waste Pipe	LF	866	10%	953	\$ -	\$ -	\$ -	\$ -
	Waste Pipe Fittings								
	Elbow								
119	2" Dia Waste Pipe 90 Deg Elbow	EA	15	0%	15	\$ -	\$ -	\$ -	\$ -
120	3" Dia Waste Pipe 90 Deg Elbow	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
121	4" Dia Waste Pipe 90 Deg Elbow	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
122	2" Dia Waste Pipe 45 Deg Elbow	EA	20	0%	20	\$ -	\$ -	\$ -	\$ -
123	3" Dia Waste Pipe 45 Deg Elbow	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
124	4" Dia Waste Pipe 45 Deg Elbow	EA	21	0%	21	\$ -	\$ -	\$ -	\$ -
	Wye								
125	2" Dia Waste Pipe Wye	EA	12	0%	12	\$ -	\$ -	\$ -	\$ -
126	4" Dia Waste Pipe Wye	EA	26	0%	26	\$ -	\$ -	\$ -	\$ -
127	3" / 1-1/2" Dia Waste Pipe Wye	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
128	3" / 2" Dia Waste Pipe Wye	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
129	4" / 1-1/4" Dia Waste Pipe Wye	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
130	4" / 2" Dia Waste Pipe Wye	EA	22	0%	22	\$ -	\$ -	\$ -	\$ -

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SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
131	4" / 3" Dia Waste Pipe Wye	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
	Reducer								
132	2" / 1-1/2" Dia Waste Pipe Reducer	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
133	2" / 1-1/4" Dia Waste Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
134	4" / 2" Dia Waste Pipe Reducer	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
	Vent Pipe Underground								
	Cast Iron No Hub Coupling								
135	1-1/2" Dia Vent Pipe	LF	12	10%	13	\$ -	\$ -	\$ -	\$ -
136	2" Dia Vent Pipe	LF	101	10%	111	\$ -	\$ -	\$ -	\$ -
	Vent Pipe Fittings								
	Elbow								
137	1-1/2" Dia Vent Pipe 90 Deg Elbow	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
138	2" Dia Vent Pipe 90 Deg Elbow	EA	34	0%	34	\$ -	\$ -	\$ -	\$ -
	Vent Pipe								
	Cast Iron No Hub Coupling								
139	1-1/4" Dia Vent Pipe	LF	10	10%	11	\$ -	\$ -	\$ -	\$ -
140	1-1/2" Dia Vent Pipe	LF	119	10%	131	\$ -	\$ -	\$ -	\$ -
141	2" Dia Vent Pipe	LF	226	10%	249	\$ -	\$ -	\$ -	\$ -
142	3" Dia Vent Pipe	LF	10	10%	11	\$ -	\$ -	\$ -	\$ -
	Vent Pipe Fittings								
	Elbow								
143	1-1/4" Dia Vent Pipe 90 Deg Elbow	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
144	1-1/2" Dia Vent Pipe 90 Deg Elbow	EA	18	0%	18	\$ -	\$ -	\$ -	\$ -
145	2" Dia Vent Pipe 90 Deg Elbow	EA	14	0%	14	\$ -	\$ -	\$ -	\$ -
146	3" Dia Vent Pipe 90 Deg Elbow	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
	Tee								
147	1-1/2" Dia Vent Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
148	2" / 1-1/2" Dia Vent Pipe Tee	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
149	2" Dia Vent Pipe Tee	EA	10	0%	10	\$ -	\$ -	\$ -	\$ -
	Reducer								
150	2" / 1-1/4" Dia Vent Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
151	2" / 1-1/2" Dia Vent Pipe Reducer	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
152	3" / 2" Dia Vent Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Condensate Drain Pipe								
	Type M Hard Drawn Copper W/ Wrought Copper Fittings, Soldered W/ Brazed With Silver Based Filler Material.								
153	3/4" Dia Condensate Drain Pipe	LF	88	10%	97	\$ -	\$ -	\$ -	\$ -
154	1" Dia Condensate Drain	LF	305	10%	335	\$ -	\$ -	\$ -	\$ -
155	1-1/4" Dia Condensate Drain Pipe	LF	54	10%	60	\$ -	\$ -	\$ -	\$ -
	Insulation								
	1" Thick Noncombustible, Performed, Fiberglass Pipe Insulation W/ A Conductivity, K-Value, Of 0.27 A 75 F, With Kraft Reinforced Foil Vapor Barrier W/ Self Adhesive Joints.								
156	3/4" Dia Condensate Drain Pipe	LF	88	10%	97	\$ -	\$ -	\$ -	\$ -
157	1" Dia Condensate Drain	LF	305	10%	335	\$ -	\$ -	\$ -	\$ -
158	1-1/4" Dia Condensate Drain Pipe	LF	54	10%	60	\$ -	\$ -	\$ -	\$ -
	Condensate Drain Pipe Fittings								
	Elbow								
159	3/4" Dia Condensate Drain Pipe 90 Deg Elbow	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
160	1" Dia Condensate Drain Pipe 90 Deg Elbow	EA	13	0%	13	\$ -	\$ -	\$ -	\$ -
161	1-1/4" Dia Condensate Drain Pipe 90 Deg Elbow	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
162	3/4" Dia Condensate Drain Pipe 45 Deg Elbow	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
163	1" Dia Condensate Drain Pipe 45 Deg Elbow	EA	7	0%	7	\$ -	\$ -	\$ -	\$ -
	Tee								
164	3/4" Dia Condensate Drain Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
165	1" Dia Condensate Drain Tee	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
166	1" / 3/4" Dia Condensate Drain Pipe Tee	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
167	1-1/4" / 1" Dia Condensate Drain Pipe Tee	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
	Reducer								
168	1" / 3/4" Dia Condensate Drain Pipe Reducer	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
169	1-1/4" / 1" Dia Condensate Drain Pipe Reducer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Drain & Cleanouts								
170	4" Dia FS, Floor Sink, JAY R. SMITH JRS-325.	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
171	4" Dia RD, Roof Drain, ZURN MODEL ZC100-NH-C 15	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
172	4" Dia ORD, Overflow Roof Drain, ZURN MODEL ZC100-NH-C 15	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
173	4" Dia TD-1, Trench Drain, ZURN MODEL ZA-880-300	EA	5	0%	5	\$ -	\$ -	\$ -	\$ -

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Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
174	3/4" Dia CO, Cleanout (Interior), JAY R.SMITH 442.	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
175	1" Dia CO, Cleanout (Interior), JAY R.SMITH 442.	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
176	2" Dia CO, Cleanout (Interior), JAY R.SMITH 442.	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
177	4" Dia CO, Cleanout (Interior), JAY R.SMITH 4120.	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
178	4" Dia COTG, Cleanout (Exterior), JAY R.SMITH 4880.	EA	10	0%	10	\$ -	\$ -	\$ -	\$ -
179	4" Dia COTG, Cleanout (Exterior 2-Way), JAY R.SMITH	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
180	4" Dia Downspout, JR SMITH FIGURE 1770-NB, Nickle	EA	8	0%	8	\$ -	\$ -	\$ -	\$ -
Plumbing Fixtures									
181	WC-1, Water Closet, SLOAN WETS-8029-8110-2SC	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
182	U-1, Urinal, AMERICAN STANDARD CADET #6601.01	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
183	LAV-1, Lavatory, AMERICAN STANDARD LUCERNA Wa	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
184	S-1, Sink, ELKAY GOURMET MODEL BLR15, COUNTER	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
185	KS-1, Kitchen Sink, ELKAY LUSTERTONE MODEL LRAD3	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
186	EWS-1, Emergency Eye Wash	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
187	DF-1, Drinking Fountain, ELKAY MODEL LVRCHDTL8SC	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
188	RB-1, Refrigerator Wall Box, SIOUX CHIEF OX BOX Ic	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
189	Ice Maker	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
190	Pressure Washer (Owner Provide)	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Pumps									
191	CP-1, Circulation Pump, TACO 0011-SF4, 5 GPM.	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Interceptors									
192	SB-1, Sample Box	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
193	SOI-1, Sand/ Oil Interceptor, 500 Gallon, Box Design	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
MISC.									
194	3" Dia Gas Meter	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
195	3/4" Dia HB, Hose Bibb, ZURN MODEL Z1341-P34, H	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
196	1" Dia HB, Wash Bay Hose Bibb, ZURN MODEL Z134	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
197	1" Dia Utility Stub	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
198	1/2" Dia NSF 12 Backflow Preventer Assembly	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
199	1" Dia Accessible Shut-Off Valve	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
200	2" Dia Accessible Gas Shut-Off Valve	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
201	3" Dia Accessible Gas Shut-Off Valve	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
202	2-1/2" Dia Gate Valve	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
203	1-1/2" Dia VTR, Vent Through Roof	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
204	2" Dia VTR, Vent Through Roof	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
205	3" Dia VTR, Vent Through Roof	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Hot Water Heater									
206	WH-1, Gas Fired Tank Water Heater, AO SMITH GDF	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Tank									
Water Heater Accessories									
207	1" Dia Check Valve	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
208	1" Dia Dirt Leg	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
209	1" Dia Gas Cock	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
210	1" Dia Shut-Off Valve	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
211	1" Dia Union	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
212	1/2" Dia Balancing Valve Assembly	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
213	1/2" Dia Check Valve	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
214	1/2" Dia Flexible Connection	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
215	1/2" Dia Pressure And Temperature Relief Valve	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
216	1/2" Dia Shut-Off Valve	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
217	1/2" Dia Strainer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
218	3" Wide 16 Gauge Galvanized Sheet Metal Seismic S	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
219	Secondary Drain Pan	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
220	ET-1, Expansion Tank, AMTROL ST-20VC, Furnished W	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Lavatory Accessories									
221	1/2" Dia Compression Fitting	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
222	1/2" Dia Inline Check Valve	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
223	1/2" Dia Mixing Valve, ACORN TMV-1 ST70, Set To	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
Gas Connection Detail (For Roof Top Units)									
224	1" Dia Cap	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
225	1" Dia Gas Cock	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
226	1" Dia Ground Joint Union	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
227	1" Dia Nipple	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
228	1" Dia Pugged 1/8" NPT Test Gage Connection	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
229	1" Dia Tee Fitting	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
No Hub Couplings									
230	1-1/4" Dia Coupling	EA	7	0%	7	\$ -	\$ -	\$ -	\$ -
231	1-1/2" Dia Coupling	EA	65	0%	65	\$ -	\$ -	\$ -	\$ -
232	2" Dia Coupling	EA	288	0%	288	\$ -	\$ -	\$ -	\$ -

SAMPLE ESTIMATE BY
 NATIONAL ESTIMATING, DRAFTING AND ENGINEERING
 SERVICES

BREAKDOWN OF ITEMS

Prepared for:
 Project ID:
 Scope: **MEP**



Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
233	3" Dia Coupling	EA	17	0%	17	\$ -	\$ -	\$ -	\$ -
234	4" Dia Coupling	EA	246	0%	246	\$ -	\$ -	\$ -	\$ -
	Pipe Support								
235	1/2" Dia Adjustable Clevis Hanger	EA	42	0%	42	\$ -	\$ -	\$ -	\$ -
236	3/4" Dia Adjustable Clevis Hanger	EA	118	0%	118	\$ -	\$ -	\$ -	\$ -
237	1" Dia Adjustable Clevis Hanger	EA	107	0%	107	\$ -	\$ -	\$ -	\$ -
238	1-1/4" Dia Adjustable Clevis Hanger	EA	15	0%	15	\$ -	\$ -	\$ -	\$ -
239	1-1/2" Dia Adjustable Clevis Hanger	EA	41	0%	41	\$ -	\$ -	\$ -	\$ -
240	2" Dia Adjustable Clevis Hanger	EA	28	0%	28	\$ -	\$ -	\$ -	\$ -
241	2-1/2" Dia Adjustable Clevis Hanger	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
242	3" Dia Adjustable Clevis Hanger	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
243	4" Dia Adjustable Clevis Hanger	EA	28	0%	28	\$ -	\$ -	\$ -	\$ -
244	1/2" Dia Threaded Rod (1 Ea = 1 FT)	EA	323	0%	323	\$ -	\$ -	\$ -	\$ -
245	3/8" Dia Threaded Rod (1 Ea = 1 FT)	EA	63	0%	63	\$ -	\$ -	\$ -	\$ -
SUBTOTAL \$									-

HVAC

Compressed Air Pipe

Type L Copper W/ Brazed Fittings

246	1/2" Dia Compressed Air Pipe	LF	127	10%	150	\$ -	\$ -	\$ -	\$ -
247	2" Dia Compressed Air Pipe	LF	214	10%	236	\$ -	\$ -	\$ -	\$ -

Compressed Air Pipe Fittings

Elbow

248	1/2" Dia Compressed Air Pipe 90 Deg Elbow	EA	26	0%	26	\$ -	\$ -	\$ -	\$ -
249	2" Dia Compressed Air Pipe 90 Deg Elbow	EA	10	0%	10	\$ -	\$ -	\$ -	\$ -

Tee

250	2" Dia Compressed Air Pipe Tee	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
251	2" / 1/2" Dia Compressed Air Pipe Tee	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -

Reducer

252	2" / 1/2" Dia Compressed Air Pipe Reducer	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
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Refrigerant Pipe

253	3/8" Dia Refrigeration Liquid Pipe	LF	10	10%	11	\$ -	\$ -	\$ -	\$ -
254	5/8" Dia Refrigeration Suction Pipe	LF	10	10%	11	\$ -	\$ -	\$ -	\$ -

Insulation

1/2" Thick Fiberglass Pipe Insulation

255	3/8" Dia Refrigeration Liquid Pipe	LF	10	10%	11	\$ -	\$ -	\$ -	\$ -
256	5/8" Dia Refrigeration Suction Pipe	LF	10	10%	11	\$ -	\$ -	\$ -	\$ -

Refrigerant Pipe Fittings

Elbow

257	3/8" Dia Refrigeration Liquid Pipe 90 Deg Elbow	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
258	5/8" Dia Refrigeration Suction Pipe 90 Deg Elbow	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -

Condensate Drain Pipe

259	1/2" Dia Condensate Drain Pipe	LF	20	10%	22	\$ -	\$ -	\$ -	\$ -
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Insulation

1/2" Thick Fiberglass Pipe Insulation

260	1/2" Dia Condensate Drain Pipe	LF	20	10%	22	\$ -	\$ -	\$ -	\$ -
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Condensate Drain Pipe Fittings

Elbow

261	1/2" Dia Condensate Drain Pipe 90 Deg Elbow	EA	5	0%	5	\$ -	\$ -	\$ -	\$ -
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Air Devices

262	1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum	EA	7	0%	7	\$ -	\$ -	\$ -	\$ -
263	1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
264	1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
265	1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
266	1, Supply Diffuser, TITUS OMNI-AA, Material Aluminum	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
267	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim: T	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
268	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim: T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
269	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim: T	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
270	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim: T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
271	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim: T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
272	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim: T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
273	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim: T	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
274	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim: T	EA	8	0%	8	\$ -	\$ -	\$ -	\$ -
275	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim: T	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
276	2, Supply Diffuser, TITUS TMS, Material Aluminum, Trim: T	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
277	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
278	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
279	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -

BREAKDOWN OF ITEMS

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SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
280	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
281	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
282	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T	EA	7	0%	7	\$ -	\$ -	\$ -	\$ -
283	1, Return Grille, TITUS PAR, Material Aluminum, Trim: T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
284	2, Return Grille, TITUS 50F, Material Aluminum, Trim: C	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
285	Fabricated, 4-Way Throw Diffuser, 26" x 26" Neck Siz	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
Roof Top Unit									
286	RTU-1, Roof Top Unit, DAIKIN DBG0364BH00029C3,	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
287	RTU-2, Roof Top Unit, DAIKIN DBG048BH00016C4, T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
288	RTU-3, Roof Top Unit, DAIKIN DBG0604BH00008C5,	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
289	RTU-4, Roof Top Unit, DAIKIN DBG0604BH00008C5,	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
290	RTU-5, Roof Top Unit, DAIKIN DBG048BH00016C4, T	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
291	RTU-6, Roof Top Unit, DAIKIN DBG0364BH00029C3,	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
292	RTU-7, Roof Top Unit, DAIKIN DBG0364BH00029C3,	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
293	RTU-8, Roof Top Unit, DAIKIN DBG0029C3,	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
294	RTU-9, Roof Top Unit, DAIKIN DBG0904VH00006C7,	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Unit Heater									
295	UH-1, Unit Heater, REZNOR UDAS-45, Type: Separate	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
296	UH-2, Unit Heater, REZNOR UDAS-45, Type: Separate	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
297	UH-3, Unit Heater, REZNOR UDAS-45, Type: Separate	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
298	UH-4, Unit Heater, REZNOR UDAS-45, Type: Separate	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Fan Schedule									
299	EF-1, Exhaust Fan, GREENHECK SP-A200, 50 CFM, 14	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
300	EF-2, Exhaust Fan, GREENHECK SP-A200, 50 CFM, 14	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
301	EF-3, Exhaust Fan, GREENHECK SP-A200, 50 CFM, 14	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Evaporator Cooler									
302	EC-1, Evaporator Cooler, PHEONIX 1425, 10,120 CF	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
303	EC-2, Evaporator Cooler, PHEONIX 1425, 10,120 CF	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
304	EC-3, Evaporator Cooler, PHEONIX 1425, 10,120 CF	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Split System									
305	AC-1, Air Conditioner, DAIKIN FTXB18AXVJU, 560 CF	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
306	CU-1, Condensing Unit, DAIKIN RXB18AXVJU, 12 MCA	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Relief Air Hoods									
307	RH-1, Relief Air Hood, GREENHECK, Size: 60Lx96H, A	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
308	RH-2, Relief Air Hood, GREENHECK, Size: 60Lx96H, A	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Relief Air Hoods									
309	RH-1, Relief Air Hood, GREENHECK, Size: 60Lx96H, A	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
310	RH-2, Relief Air Hood, GREENHECK, Size: 60Lx96H, A	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Compressed Air Unit									
311	CA-1, Compressed Air Unit, INGERSOLL 7100E15, Typ	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Air Dryer									
312	AD-1, Air Dryer, INGERSOLL, D54IN, Type: Non Cyclin	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Dampers									
313	6" Dia Manual Volume Damper W/ Remote Ceiling C	EA	5	0%	5	\$ -	\$ -	\$ -	\$ -
314	8" Dia Manual Volume Damper W/ Remote Ceiling C	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
315	10" Dia Manual Volume Damper W/ Remote Ceiling C	EA	8	0%	8	\$ -	\$ -	\$ -	\$ -
316	8" Dia Manual Volume Damper	EA	15	0%	15	\$ -	\$ -	\$ -	\$ -
317	10" Dia Manual Volume Damper	EA	21	0%	21	\$ -	\$ -	\$ -	\$ -
Misc.									
318	1/2" Dia Pressure Regulator, WILKERSON #C28-06-F	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
319	Duct Mounted Smoke Detector	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
320	Thermostat	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
321	Air Tool	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
322	Inline Filters	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
323	PACE Flow Controller	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
324	6" Dia Weather Cap	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
Air Drop Single Detail									
325	1/2" Dia Cross	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
326	1/2" Dia Drip Leg, 12" Long	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
327	1/2" Dia Plug On Cross	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
328	1/2" Dia Quick Disconnect	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
329	1/2" Dia SOV, Shut-Of	EA	33	0%	33	\$ -	\$ -	\$ -	\$ -
330	1/2" x 3/8" Reducer	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
Duct Weight									
331	Galvanized Sheet Metal Duct	LB	4218	0%	4218	\$ -	\$ -	\$ -	\$ -
Duct Installation									
332	1-1/2" Thick Mineral Fiber Blanket	SQFT	3767	0%	3767	\$ -	\$ -	\$ -	\$ -
Pipe Support									

BREAKDOWN OF ITEMS

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SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
374	Panel C: 200A, 120/208V, 3Ph, 4W, Mains: MLO, 22KAIC, 42 Poles, Surface Mounted	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
375	Panel D: 200A, 120/208V, 3Ph, 4W, Mains: MLO, 22KAIC, 42 Poles, Surface Mounted	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
376	Panel E: 150A, 120/208V, 3Ph, 4W, Mains: MLO, 22KAIC, 30 Poles, Surface Mounted	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
377	Panel MDP: 1000A, 120/208V, 3Ph, 4W, Mains: MCB, 22KAIC, 15 Poles, Surface Mounted	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Devices									
378	Utility Meter	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
379	Utility Transformer Pad	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Transformer Pad	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
380	50KW Diesel Generator	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Concrete Pad	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
381	400A ATS	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
382	20 KVA Transformer	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
383	35 KVA Transformer	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Disconnect Switch									
384	2P/30A Fused Disconnect Switch	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
385	3P/50A Fused Disconnect Switch	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
386	3P/60A Fused Disconnect Switch	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
387	3P/1000A Fused Service Disconnect Switch N3R	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
Grounding									
388	5/8" x 10' CU Clad Ground Rod	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
389	Ground Bus Bar	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
390	#6 CU Grounding Conductor	FT	100	10%	110	\$ -	\$ -	\$ -	\$ -
391	#3/0 CU Grounding Conductor	FT	40	10%	44	\$ -	\$ -	\$ -	\$ -
Power									
Conduit									
392	3/4" EMT Conduit	FT	5142	10%	5656	\$ -	\$ -	\$ -	\$ -
393	1" EMT Conduit	FT	415	10%	457	\$ -	\$ -	\$ -	\$ -
394	3/4" PVC SCH 40 Conduit	FT	18	10%	20	\$ -	\$ -	\$ -	\$ -
395	3/4" RGS Conduit	FT	65	10%	72	\$ -	\$ -	\$ -	\$ -
396	1" RGS Conduit	FT	50	10%	55	\$ -	\$ -	\$ -	\$ -
Conductor									
397	#12 CU THHN/THWN	FT	13755	10%	15131	\$ -	\$ -	\$ -	\$ -
398	#10 CU THHN/THWN	FT	2248	10%	2473	\$ -	\$ -	\$ -	\$ -
399	#8 CU THHN/THWN	FT	993	10%	1092	\$ -	\$ -	\$ -	\$ -
400	#6 CU THHN/THWN	FT	532	10%	585	\$ -	\$ -	\$ -	\$ -
Device									
401	Duplex Receptacle	EA	45	0%	45	\$ -	\$ -	\$ -	\$ -
402	Duplex Receptacle, Floor Mounted	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
403	Duplex Receptacle, GFCI	EA	26	0%	26	\$ -	\$ -	\$ -	\$ -
404	Equipment Connection	EA	16	0%	16	\$ -	\$ -	\$ -	\$ -
405	Motor Connection	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
406	Quad Receptacle	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
407	Single Pole Switch	EA	19	0%	19	\$ -	\$ -	\$ -	\$ -
Site Lighting									
Conduit									
408	1" EMT Conduit	FT	507	10%	558	\$ -	\$ -	\$ -	\$ -
409	1" PVC SCH 40 Conduit	FT	361	10%	398	\$ -	\$ -	\$ -	\$ -
Conductor									
410	#10 CU THHN/THWN	FT	868	10%	955	\$ -	\$ -	\$ -	\$ -
411	#8 CU THHN/THWN	FT	1736	10%	1910	\$ -	\$ -	\$ -	\$ -
Lighting Fixtures									
412	Exterior Wall Scone Light	EA	16	0%	16	\$ -	\$ -	\$ -	\$ -
413	Pole Mounted Light, Single Head	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
	30' Steel Round Pole	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
	Concrete Base	EA	11	0%	11	\$ -	\$ -	\$ -	\$ -
Lighting									
Conduit									
414	3/4" EMT Conduit	FT	4977	10%	5475	\$ -	\$ -	\$ -	\$ -
415	1" EMT Conduit	FT	1100	10%	1210	\$ -	\$ -	\$ -	\$ -
Conductor									
416	3#12 MC Cable	FT	2531	10%	2784	\$ -	\$ -	\$ -	\$ -
417	3#10 MC Cable	FT	830	10%	913	\$ -	\$ -	\$ -	\$ -
418	#12 CU THHN/THWN	FT	9909	10%	10900	\$ -	\$ -	\$ -	\$ -
419	#10 CU THHN/THWN	FT	5024	10%	5526	\$ -	\$ -	\$ -	\$ -
420	#8 CU THHN/THWN	FT	750	10%	825	\$ -	\$ -	\$ -	\$ -
Lighting Fixtures									

NATIONAL ESTIMATING, DRAFTING AND ENGINEERING SERVICES
 SAMPLE ESTIMATE BY

BREAKDOWN OF ITEMS

Prepared for:

Project ID:

Scope: **MEP**



Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
421	2 x 4 Recessed Emergency Light	EA	42	0%	42	\$ -	\$ -	\$ -	\$ -
422	2 x 4 Recessed Emergency Light For Tenant Space	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
423	2 x 4 Recessed Light	EA	102	0%	102	\$ -	\$ -	\$ -	\$ -
424	2 x 4 Recessed Light For Tenant Space	EA	13	0%	13	\$ -	\$ -	\$ -	\$ -
425	Elevator Pit Light	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
426	Exit Light	EA	20	0%	20	\$ -	\$ -	\$ -	\$ -
427	Lobby Recessed Light	EA	5	0%	5	\$ -	\$ -	\$ -	\$ -
428	Pendant Light	EA	7	0%	7	\$ -	\$ -	\$ -	\$ -
429	Wall Mounted Light	EA	12	0%	12	\$ -	\$ -	\$ -	\$ -
430	2X2 Chain Hanger Type Light Fixture	EA	15	0%	15	\$ -	\$ -	\$ -	\$ -
431	2X4 Chain Hanger Type Emergency Light	EA	10	0%	10	\$ -	\$ -	\$ -	\$ -
432	2X4 Chain Hanger Type Light Fixture	EA	58	0%	58	\$ -	\$ -	\$ -	\$ -
433	6" Recessed Downlight	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
434	Emergency Stair Light	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
	Lighting Control								
435	3 Way Switch	EA	12	0%	12	\$ -	\$ -	\$ -	\$ -
436	Dimmer Switch	EA	44	0%	44	\$ -	\$ -	\$ -	\$ -
437	Occupancy Sensor	EA	46	0%	46	\$ -	\$ -	\$ -	\$ -
438	Single Pole Switch	EA	31	0%	31	\$ -	\$ -	\$ -	\$ -
439	Photocell	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
440	Time Clock	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Fire Alarm								
	Conduit								
441	3/4" EMT Conduit	FT	1316	10%	1448	\$ -	\$ -	\$ -	\$ -
	Conductor								
442	#16 CU THHN/THWN	FT	1711	10%	1882	\$ -	\$ -	\$ -	\$ -
443	#14 CU THHN/THWN	FT	922	10%	1014	\$ -	\$ -	\$ -	\$ -
	Device								
444	Fire Alarm Annunciator Panel	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
445	Fire Alarm Control Panel	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
446	Horn/Strobe	EA	9	0%	9	\$ -	\$ -	\$ -	\$ -
447	Pull Station	EA	7	0%	7	\$ -	\$ -	\$ -	\$ -
448	Smoke Detector	EA	39	0%	39	\$ -	\$ -	\$ -	\$ -
449	Tamper Switch	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
450	Flow Switch	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Low Voltage								
	Conduit								
451	3/4" EMT Conduit	FT	1732	10%	1905	\$ -	\$ -	\$ -	\$ -
452	2" EMT Conduit With Pull String	FT	357	10%	393	\$ -	\$ -	\$ -	\$ -
	Conductor								
453	#18 CU THHN/THWN	FT	1478	10%	1626	\$ -	\$ -	\$ -	\$ -
454	#14 CU THHN/THWN	FT	1986	10%	2185	\$ -	\$ -	\$ -	\$ -
	Device								
455	Door Chime	EA	21	0%	21	\$ -	\$ -	\$ -	\$ -
456	Low Voltage Transformer	EA	21	0%	21	\$ -	\$ -	\$ -	\$ -
457	Push Button For Door Chime	EA	21	0%	21	\$ -	\$ -	\$ -	\$ -
	Telecom								
	Conduit								
458	3/4" EMT Conduit	FT	1110	10%	1210	\$ -	\$ -	\$ -	\$ -
459	2" EMT Conduit	FT	648	10%	713	\$ -	\$ -	\$ -	\$ -
460	2" PVC SCH 40 Conduit	FT	842	10%	926	\$ -	\$ -	\$ -	\$ -
	J-Hooks								
461	2" J-Hook	EA	86	0%	86	\$ -	\$ -	\$ -	\$ -
	Conduit								
462	CAT6 Plenum Rated Cable	FT	6531	10%	7184	\$ -	\$ -	\$ -	\$ -
463	Fiber Optical Cable	FT	745	10%	820	\$ -	\$ -	\$ -	\$ -
464	RG11 Cable	FT	745	10%	820	\$ -	\$ -	\$ -	\$ -
465	Quad Shield CMP Rated RG6 COAX Cable	FT	2178	10%	2396	\$ -	\$ -	\$ -	\$ -
	Device								
466	4' x 3/4" Fire Retardant Plywood Backboard	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
467	AT&T Pedestal	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
468	CATV Outlet With Two Gang Junction Box, Mud Ring	EA	31	0%	31	\$ -	\$ -	\$ -	\$ -
	F-Connectors								
469	Combination Tele/Data Outlet	EA	4	0%	4	\$ -	\$ -	\$ -	\$ -
	Jacks								
470	Telecom Main Point Of Connection	EA	6	0%	6	\$ -	\$ -	\$ -	\$ -
471	Telecommunication Outlet With Two Gang Junction Box, Mud Ring	EA	28	0%	28	\$ -	\$ -	\$ -	\$ -
	Jacks								
	Audio/Visual								
	Conduit								
472	1/2" EMT Conduit	FT	80	10%	88	\$ -	\$ -	\$ -	\$ -

SAMPLE ESTIMATE BY
 NATIONAL ESTIMATING, DRAFTING AND ENGINEERING
 SERVICES

BREAKDOWN OF ITEMS

Prepared for:
 Project ID:
 Scope: **MEP**



Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
473	3/4" EMT Conduit	FT	90	10%	99	\$ -	\$ -	\$ -	\$ -
	Conductor								
474	#24 THHW/THWN	FT	160	10%	176	\$ -	\$ -	\$ -	\$ -
475	#18 THHW/THWN	FT	210	10%	231	\$ -	\$ -	\$ -	\$ -
	Device								
476	Speakers, Ceiling Mounted	EA	10	0%	10	\$ -	\$ -	\$ -	\$ -
477	Speakers, Wall Mounted	EA	16	0%	16	\$ -	\$ -	\$ -	\$ -
478	Amplifier	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Security								
	Conduit								
479	3/4" EMT Conduit	FT	933	10%	1026	\$ -	\$ -	\$ -	\$ -
480	3/4" PVC SCH 40 Conduit	FT	1059	10%	1165	\$ -	\$ -	\$ -	\$ -
	J-Hooks								
481	2" J-Hooks	EA	90	0%	90	\$ -	\$ -	\$ -	\$ -
	Conductor								
482	CAT6 Cable	FT	5885	10%	6474	\$ -	\$ -	\$ -	\$ -
	Device								
483	Exterior Camera	EA	27	0%	27	\$ -	\$ -	\$ -	\$ -
484	Interior Camera	EA	16	0%	16	\$ -	\$ -	\$ -	\$ -
485	Dome Camera	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
486	PTZ Camera	EA	2	0%	2	\$ -	\$ -	\$ -	\$ -
	Nurse Call System								
	Conduit								
487	3/4" EMT Conduit	FT	315	10%	347	\$ -	\$ -	\$ -	\$ -
	Conductor								
488	#16 THHN/THWN	FT	685	10%	754	\$ -	\$ -	\$ -	\$ -
489	#14 THHN/THWN	FT	856	10%	942	\$ -	\$ -	\$ -	\$ -
	Device								
490	Duty Staff Nurse Call Station, Provide Rough In Box	EA	3	0%	3	\$ -	\$ -	\$ -	\$ -
491	Nurse Call Cord Oull Station, Provide 4/S Rough In Box	EA	18	0%	18	\$ -	\$ -	\$ -	\$ -
	Miscellaneous								
492	Jurction Box	EA	25	0%	25	\$ -	\$ -	\$ -	\$ -
493	Jurction Box (For Telephone)	EA	1	0%	1	\$ -	\$ -	\$ -	\$ -
494	Jurction Box (For Data)	EA	12	0%	12	\$ -	\$ -	\$ -	\$ -
	Fire Stopping								
495	Caulking Sealant	LS	1	0%	1	\$ -	\$ -	\$ -	\$ -
	Saw Cut								
496	Saw Cut & Repair Concrete Floor For Conduit Installation	FT	18	0%	18	\$ -	\$ -	\$ -	\$ -
	Trenching & Backfilling								
497	Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment	CFT	780	0%	780	\$ -	\$ -	\$ -	\$ -

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.

BREAKDOWN OF ITEMS

Prepared for:

Project ID:

Scope: **HVAC**



Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
HVAC					
Sheet Metal Duct					
Galvanized Sheet Metal Duct					
1	6" Dia Supply Air Duct	LF	26	10%	28
2	8" Dia Supply Air Duct	LF	169	10%	186
3	10" Dia Supply Air Duct	LF	306	10%	337
4	12" Dia Supply Air Duct	LF	16	10%	17
5	14" Dia Supply Air Duct	LF	46	10%	51
6	16" Dia Supply Air Duct	LF	159	10%	175
7	16"x16" Supply Air Duct (Size assumed)	LF	29	10%	32
8	18" Dia Supply Air Duct	LF	34	10%	37
9	18"x14" Supply Air Duct (Size assumed)	LF	8	10%	9
10	26"x26" Supply Air Duct (Service & Size assumed)	LF	8	10%	9
11	8" Dia Return Air Duct	LF	15	10%	16
12	10" Dia Return Air Duct	LF	62	10%	68
13	12" Dia Return Air Duct	LF	43	10%	47
14	14" Dia Return Air Duct	LF	57	10%	62
15	14"x14" Return Air Duct (Size assumed)	LF	10	10%	11
16	16" Dia Return Air Duct	LF	54	10%	59
17	18" Dia Return Air Duct	LF	49	10%	54
18	22"x10" Return Air Duct	LF	4	10%	5
19	22"x14" Return Air Duct (Size assumed)	LF	33	10%	37
20	6" Dia Exhaust Air Duct	LF	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

BREAKDOWN OF ITEMS

Prepared for:

Project ID:

Scope: **HVAC**



Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
	Take-Off				
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

BREAKDOWN OF ITEMS

Prepared for:

Project ID:

Scope: HVAC



Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE
	Duct Couplers				
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