

PROJECT ADDRESS
Submission
Date of plans
MEP ONLY

MECHANICAL TAKEOFF



SR #	DWG. NO.	DETAIL NO.	DESCRIPTION	QTY.	WASTE	QTY. W/ WASTE	UNIT	LABOR / EQUIP.	MATERIAL	TOTAL UNIT COST	TOTAL COST	SUB TOTAL
MECHANICAL												
DEMOLITION (Ductwork & Piping)												
1	M090		Remove Supply Air/Return Air Diffusers/Grilles. Contractor To Verify In Field For Exact Location. (Typ.)	13	0%	13	LOC.	\$ -	\$ -	\$ -	\$ -	
2	M090		Remove Partial Ductwork. Cap And Seal Duct Opening Air Tight. (Typ.)	9	0%	9	LOC.	\$ -	\$ -	\$ -	\$ -	
3	M090		Remove Transfer Fan And Associated Ductwork, Controls, Wiring, Support, Etc.	1	0%	1	LOC.	\$ -	\$ -	\$ -	\$ -	
4	M090		Remove Heating And Ventilating Unit And Associated Ductwork, Controls, Wiring, Support, Etc.	1	0%	1	LOC.	\$ -	\$ -	\$ -	\$ -	
5	M090		Remove Transfer Duct With Grilles And Associated Fire Damper. Contractor To Verify In Field For Exact Location	1	0%	1	LOC.	\$ -	\$ -	\$ -	\$ -	
	M090		Remove Partial Chws/R, Hws/R And Condensate Drain Piping To The Point Of Demolition Shown.									
6			CHWR	116	3%	119	LF	\$ -	\$ -	\$ -	\$ -	
7			CHWS	117	3%	121	LF	\$ -	\$ -	\$ -	\$ -	
8			HWR	144	3%	148	LF	\$ -	\$ -	\$ -	\$ -	
9			HWS	147	3%	151	LF	\$ -	\$ -	\$ -	\$ -	
10			CD	121	3%	125	LF	\$ -	\$ -	\$ -	\$ -	
11			FD	21	3%	22	LF	\$ -	\$ -	\$ -	\$ -	
12	M090		Remove Fan Coil Unit And Associated Ductwork, Controls, Wiring, Support, Etc	2	0%	2	LOC.	\$ -	\$ -	\$ -	\$ -	
13	M090		Remove Thermostat And Associated Wiring.	1	0%	1	LOC.	\$ -	\$ -	\$ -	\$ -	
14	M090		Disconnect And Remove OA Duct At The Point Of Demolition Shown. Cap & Seal Opening	1	0%	1	LOC.	\$ -	\$ -	\$ -	\$ -	
15	M090		Relocate Return Air Grille & Associated Transfer Duct, Fire Damper. See New Work	3	0%	3	LOC.	\$ -	\$ -	\$ -	\$ -	
16	M090		Relocate Existing Inline Hot Water Pump & Associated Controls, Support And Other Accessories. Extend Electrical Wiring If Needed. See New Work Plan On Dwg M200 For Exact Location.	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
17	M090		Remove Existing Exhaust Duct Riser.	2	0%	2	LOC.	\$ -	\$ -	\$ -	\$ -	
18	M090		Remove Duct 12x12 TG	10	3%	10	LF	\$ -	\$ -	\$ -	\$ -	
19	M090		Remove Duct 12x8 SA	4	3%	4	LF	\$ -	\$ -	\$ -	\$ -	
20	M090		Remove Duct 14x10 SA	13	3%	13	LF	\$ -	\$ -	\$ -	\$ -	
21	M090		Remove Duct 14x8 SA	8	3%	8	LF	\$ -	\$ -	\$ -	\$ -	
22	M090		Remove Duct 16x10 SA	20	3%	21	LF	\$ -	\$ -	\$ -	\$ -	
23	M090		Remove Duct 16x6 RG	9	3%	9	LF	\$ -	\$ -	\$ -	\$ -	

PROJECT ADDRESS
Submission
Date of plans
MEP ONLY

MECHANICAL TAKEOFF



SR #	DWG. NO.	DETAIL NO.	DESCRIPTION	QTY.	WASTE	QTY. W/ WASTE	UNIT	LABOR / EQUIP.	MATERIAL	TOTAL UNIT COST	TOTAL COST	SUB TOTAL
24	M090		Remove Duct 20x12 OA	30	3%	31	LF	\$ -	\$ -	\$ -	\$ -	
25	M090		Remove Duct 28x24	11	3%	11	LF	\$ -	\$ -	\$ -	\$ -	
26	M090		Remove Duct 30x16	12	3%	12	LF	\$ -	\$ -	\$ -	\$ -	
27	M090		Remove Duct 30x6 SA	8	3%	8	LF	\$ -	\$ -	\$ -	\$ -	
28	M090		Remove Duct 40x18 OA	33	3%	34	LF	\$ -	\$ -	\$ -	\$ -	
29	M090		Remove Duct 60x13 OA	16	3%	16	LF	\$ -	\$ -	\$ -	\$ -	
30	M090		Remove Duct 6x6	23	3%	24	LF	\$ -	\$ -	\$ -	\$ -	
	M091		Remove Partial Sa/Ra Ductwork And Associated Fire Damper.									
31			12x10 Duct	17	3%	18	LF	\$ -	\$ -	\$ -	\$ -	
32			14x14 Duct	28	3%	29	LF	\$ -	\$ -	\$ -	\$ -	
33			16x12 Duct	11	3%	11	LF	\$ -	\$ -	\$ -	\$ -	
34			18x8 Duct	17	3%	18	LF	\$ -	\$ -	\$ -	\$ -	
35			30x14 Duct	17	3%	18	LF	\$ -	\$ -	\$ -	\$ -	
36			36x14 Duct	10	3%	10	LF	\$ -	\$ -	\$ -	\$ -	
37	M091		Remove 4" Dia. Duct	9	3%	9	LF	\$ -	\$ -	\$ -	\$ -	
38	M091		Remove 6" Dia. Duct	18	3%	19	LF	\$ -	\$ -	\$ -	\$ -	
39	M091		Remove 7" Dia. Duct	8	3%	8	LF	\$ -	\$ -	\$ -	\$ -	
40	M091		Remove 8" Dia. Duct	6	3%	6	LF	\$ -	\$ -	\$ -	\$ -	
41	M091		Remove Existing Window Ac Unit And Associated Connections, Wiring, Controls Etc.,	4	0%	4	LOC.	\$ -	\$ -	\$ -	\$ -	
42	M091		Relocate Return Air Grille & Associated Transfer Duct, Fire Damper. See New Work Plan In Dwg. M100 For Exact Location.	2	0%	2	LOC.	\$ -	\$ -	\$ -	\$ -	
43	M091		Cap And Seal Unused Duct Opening Air Tight.	1	0%	1	LOC.	\$ -	\$ -	\$ -	\$ -	
44	M091		Remove Existing Dust Collector And Associated Connections, Controls, Wiring, Etc.	1	0%	1	LOC.	\$ -	\$ -	\$ -	\$ -	
45	M091		Remove Existing Exhaust Duct And Associated Fire Dampers.	2	0%	2	LOC.	\$ -	\$ -	\$ -	\$ -	
46	M091		Relocate Existing Exhaust Air Grille And Associated Exhaust Duct. Fire Damper. See New Work Plan In Dwg. M101 For Exact Location.	1	0%	1	LOC.	\$ -	\$ -	\$ -	\$ -	
47	M091		Remove Existing Exhaust Duct And Associated Risers.	3	0%	3	LOC.	\$ -	\$ -	\$ -	\$ -	
48	M092		Disconnect Ea Duct & Remove Existing Exhaust Fan And Associated Controls, Support, Wiring Etc.	2	0%	2	LOC.	\$ -	\$ -	\$ -	\$ -	
49	M092		Remove Existing Exhaust Fan And Associated Controls, Supports, Wiring, Exhaust Riser Etc.,	5	0%	5	LOC.	\$ -	\$ -	\$ -	\$ -	
			NEW WORK (Ductwork)									

PROJECT ADDRESS
Submission
Date of plans
MEP ONLY

MECHANICAL TAKEOFF



SR #	DWG. NO.	DETAIL NO.	DESCRIPTION	QTY.	WASTE	QTY. W/ WASTE	UNIT	LABOR / EQUIP.	MATERIAL	TOTAL UNIT COST	TOTAL COST	SUB TOTAL
50	M100/M101		Contractor To Service All Existing Fan Coil Unit And Associated Piping, Coil, Motor, Controls, Condensate Drain, Control Valves, Its Seals And Other Accessories To Assure Proper Operation. Provide Dust Proofing During Construction Only. Replace Filter After Construction. (Typical) (2 Levels)	1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	
51	M100/M101		Contractor To Verify All Existing Ductwork For Air Leakage. (4+1 Locations)	1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	
52	M100/M101		Provide 7-Day Programmable Thermostat 4'-0" Aff To Meet Ada Compliance. (Typical)	23	0%	23	EA.	\$ -	\$ -	\$ -	\$ -	
53	M100		22X10 Oa And 26X10 Ra Duct Up.	26	3%	27	LF	\$ -	\$ -	\$ -	\$ -	
54	M100/M101		Relocate Existing Transfer Duct And Associated Fire Damper, Air Devices.	3	0%	3	LOC.	\$ -	\$ -	\$ -	\$ -	
55			16x8 Duct	36	0%	36	LF	\$ -	\$ -	\$ -	\$ -	
56	M100		Provide Wall Mounted Carbon Dioxide Sensors For Vav. (Typical)	3	0%	3	EA.	\$ -	\$ -	\$ -	\$ -	
57	M100/M101		Provide 1/2" Door Undercut.	12	0%	12	LOC.	\$ -	\$ -	\$ -	\$ -	
58	M100		Provide 14X10 Return Air Open End Duct With 1" Acoustical Sound Lining And 1/2" X 1/2" Wire Mesh Screen Guard.	14	3%	14	LF	\$ -	\$ -	\$ -	\$ -	
59	M100		Provide Transfer Duct With 1" Acoustical Sound Lining And 1/2" X1/2" Wire Mesh Screen Guard Above Ceiling.	4	3%	4	LF	\$ -	\$ -	\$ -	\$ -	
60	M100		Contractor To Verify Existing Equipment, Ductwork, Air Device Locations And Offset As Necessary To Match New Floor Plan With New Connection. (Typical) (7 Locations)	1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	
61	M100		14X6 Ea Duct Up Connect To Exhaust Fan On Roof.	25	3%	26	LF	\$ -	\$ -	\$ -	\$ -	
62	M100		Blank-Off Unused Part Of Louver With Insulated Panel.	1	0%	1	LOC.	\$ -	\$ -	\$ -	\$ -	
63	M100/M101	FD	All Existing And New Ductwork Passing Through Fire Rated Walls To Be Provided With Fire Dampers. (Typical). Provide Firedamper With Access As Per The Detail Shown In Dwg M702.	43	0%	43	LOC.	\$ -	\$ -	\$ -	\$ -	
64	M100		After Duct/Diffuser Installation, Contractor To Ensure And Repair Drywall Ceiling In The Locker/Bathroom. (7 Locations)	1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	
65	M100		Provide 6X6 Transfer Duct With 1" Acoustical Sound Lining.	6	3%	6	LF	\$ -	\$ -	\$ -	\$ -	

PROJECT ADDRESS
Submission
Date of plans
MEP ONLY

MECHANICAL TAKEOFF



SR #	DWG. NO.	DETAIL NO.	DESCRIPTION	QTY.	WASTE	QTY. W/ WASTE	UNIT	LABOR / EQUIP.	MATERIAL	TOTAL UNIT COST	TOTAL COST	SUB TOTAL
	M101		22X10 Oa And 26X10 Ra Duct Up To Doas-1 And Down To Ground Floor. Provide 2" Acoustical Sound Lining As Indicated On Plans.		0%	-	LOC.	\$ -	\$ -	\$ -	\$ -	
66	M101		Contractor To Verify Existing Ductwork, Air Device Locations And Offset As Necessary To Match New Floor Plan With New Connection. (Typ)	1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	
67	M101		14X6 Ea Duct Up And Connect To Exhaust Fan On Roof	13	3%	13	LF	\$ -	\$ -	\$ -	\$ -	
68	M101		Ceiling Height Shall Be Coordinated To Allow Duct Offset Around New Elevator. Minimum Ceiling Height Of Eight Feet (8') Shall Be Confirmed By The Contractor On The Field	326	3%	336	SF	\$ -	\$ -	\$ -	\$ -	
69	M101		New Shaft Enclosure Shall Be Provided.	52	3%	54	LF	\$ -	\$ -	\$ -	\$ -	
70	M101		Provide New Fire Damper With New Sleeve.	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
71	M101		Provide Barometric Damper 24X12. Damper With Start To Open Pressure 0.01 In. W.G Setpoint Start Open Pressure 0.3" (Adjustable). Provide Square Duct Goose Neck On Exterior Wall. Open End Down With Wire Mesh. Ruskin Cbd4 Or Similar.	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
72	M101		Re-Balance Existing Supply Grille Cfm To New Supply Air Cfm Shown On Plans.	1	0%	1	LOC.	\$ -	\$ -	\$ -	\$ -	
73	M102		Provide 8" Dia. Exhaust Round Duct Dn To Connect Kitchen Exhaust Hood. Provide 18" Roof Curb At Roof Penetration. Terminate Exhaust Duct With Roof Cap And Backdraft Damper 3'-0" Above Roof Structure	30	3%	31	LF	\$ -	\$ -	\$ -	\$ -	
74	M102		Provide Barometric Damper 24X24. Damper With Start To Open Pressure 0.01 In Wg, Setpoint Start Open Pressure 0.3" (Adj).Provide Square Duct Goose Neck On Exterior Wall. Open End With Wire Mesh. Open End Shall Be 24" From Roof Surface. Ruskin Cbd4 Or Similar.	2	0%	2	EA.	\$ -	\$ -	\$ -	\$ -	
			DUCTS									
75	M100		10x10 OA	7	3%	7	LF	\$ -	\$ -	\$ -	\$ -	
76	M100		10x18 with Lining	15	3%	15	LF	\$ -	\$ -	\$ -	\$ -	
77	M100		10x6 OA	55	3%	57	LF	\$ -	\$ -	\$ -	\$ -	
78	M100/M101		10x8 OA	49	3%	50	LF	\$ -	\$ -	\$ -	\$ -	
79	M100		12x8 EA	32	3%	33	LF	\$ -	\$ -	\$ -	\$ -	
80	M100		12x8 OA	17	3%	18	LF	\$ -	\$ -	\$ -	\$ -	
81	M100		14x6 EA	19	3%	20	LF	\$ -	\$ -	\$ -	\$ -	

PROJECT ADDRESS
 Submission
 Date of plans
 MEP ONLY

MECHANICAL TAKEOFF



SR #	DWG. NO.	DETAIL NO.	DESCRIPTION	QTY.	WASTE	QTY. W/ WASTE	UNIT	LABOR / EQUIP.	MATERIAL	TOTAL UNIT COST	TOTAL COST	SUB TOTAL
82	M100		16x4 with Linning	16	3%	16	LF	\$ -	\$ -	\$ -	\$ -	
83	M100		18x12 OA	12	3%	12	LF	\$ -	\$ -	\$ -	\$ -	
84	M100		6x6 OA	26	3%	27	LF	\$ -	\$ -	\$ -	\$ -	
85	M100		8x10 OA	30	3%	31	LF	\$ -	\$ -	\$ -	\$ -	
86	M100		8x8 OA	9	3%	9	LF	\$ -	\$ -	\$ -	\$ -	
87	M101		12x10 SA	22	3%	23	LF	\$ -	\$ -	\$ -	\$ -	
88	M101		14x14 SA	38	3%	39	LF	\$ -	\$ -	\$ -	\$ -	
89	M101		14x6 EA	27	3%	28	LF	\$ -	\$ -	\$ -	\$ -	
90	M101		18x8 SA	26	3%	27	LF	\$ -	\$ -	\$ -	\$ -	
91	M101		30x14 SA	30	3%	31	LF	\$ -	\$ -	\$ -	\$ -	
92	M100		6" Dia.	6	3%	6	LF	\$ -	\$ -	\$ -	\$ -	
93	M100/M101		8" Dia.	13	3%	13	LF	\$ -	\$ -	\$ -	\$ -	
94	M100		14" Dia.	3	3%	3	LF	\$ -	\$ -	\$ -	\$ -	
			ACCESSORIES									
95	M100/M101		6x6 Elbow	3	0%	3	EA.	\$ -	\$ -	\$ -	\$ -	
96	M100/M101		8x10 Elbow	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
97	M100/M101		12x8 Elbow	4	0%	4	EA.	\$ -	\$ -	\$ -	\$ -	
98	M100/M101		12x10 Elbow	2	0%	2	EA.	\$ -	\$ -	\$ -	\$ -	
99	M100/M101		10x6 Elbow	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
100	M100/M101		10x8 Elbow	2	0%	2	EA.	\$ -	\$ -	\$ -	\$ -	
101	M100/M101		16x14 Elbow	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
102	M100/M101		14x6 Elbow	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
103	M100/M101		30x14 Elbow	2	0%	2	EA.	\$ -	\$ -	\$ -	\$ -	
104	M100/M101		18x18 Elbow	2	0%	2	EA.	\$ -	\$ -	\$ -	\$ -	
105	M100/M101		14x14 Elbow	2	0%	2	EA.	\$ -	\$ -	\$ -	\$ -	
106	M100/M101		6" Elbow	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
107	M100/M101		8" Elbow	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
108	M100/M101		12x8 To 6x6 Transition	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
109	M100/M101		14x6 To 10x6 Transition	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
110	M100/M101		18x12 To 10x6 Transition	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
111	M100/M101		18x12 To 10x8 Transition	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
112	M100/M101		16x14 To 10x8 Transition	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
113	M100/M101		12x8 To 20x16 Transition	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
114	M100/M101		18x12 To 10x10 Transition	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
115	M100/M101		10x10 To 10x6 Transition	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
116	M100/M101		10x10 To 10x8 Transition	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
117	M100/M101		14x12 To 8x8 Transition	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
118	M100/M101		8x8 To 20x16 Transition	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	

PROJECT ADDRESS
Submission
Date of plans
MEP ONLY

MECHANICAL TAKEOFF



SR #	DWG. NO.		DESCRIPTION	QTY.	WASTE	QTY. W/ WASTE	UNIT	LABOR / EQUIP.	MATERIAL	TOTAL UNIT COST	TOTAL COST	SUB TOTAL
119	M100/M101		14x14 To 14x10 Transition	2	0%	2	EA.	\$ -	\$ -	\$ -	\$ -	
			NEW WORK (Piping)									
120	M200	Note#2,6/M200	Contractor Shall Install, Insulate And Size Refrigerant Piping In Accordance With Manufacturer'S Recommendations And Provide Required Slope. (Typical)	1071	3%	1,103	LF	\$ -	\$ -	\$ -	\$ -	
121	M201		RG	70	3%	72	LF	\$ -	\$ -	\$ -	\$ -	
122	M201		RI	67	3%	69	LF	\$ -	\$ -	\$ -	\$ -	
123	M201		RS	71	3%	73	LF	\$ -	\$ -	\$ -	\$ -	
124	M200	Note#3&2/M200 &M201	Connect Condensate Drain To The Existing Storm Riser. Provide Back Water Valve. Condensate Piping Must Be Pitched Away From The Unit Not Less Than 1/4" Per Foot. Coordinate Condensate Drain With Plumbing Contractor. (Typical) See Plumbing Drawing For Exact Storm Riser Locations.	7	0%	7	LOC.	\$ -	\$ -	\$ -	\$ -	
125	M200	Note#9/M200	Relocate And Reconnect Existing Piping/Pump/Accessories In The Ground Floor Ceiling Plenum To Allow Reconnection To The Offseted Piping.	27	3%	28	LF	\$ -	\$ -	\$ -	\$ -	
			PIPES									
126	M200/M201		3/4" Condensate Drain	314	3%	323	LF	\$ -	\$ -	\$ -	\$ -	
127	M200/M201		1" Condensate Drain	43	3%	44	LF	\$ -	\$ -	\$ -	\$ -	
128	M200/M201		1-1/4" Condensate Drain	110	3%	113	LF	\$ -	\$ -	\$ -	\$ -	
129	M200		3/4" CHWR	80	3%	82	LF	\$ -	\$ -	\$ -	\$ -	
130	M200		3/4" CHWS	81	3%	83	LF	\$ -	\$ -	\$ -	\$ -	
131	M200		3/4" HWR	95	3%	98	LF	\$ -	\$ -	\$ -	\$ -	
132	M200		3/4" HWS	98	3%	101	LF	\$ -	\$ -	\$ -	\$ -	
133	M200	Note# 1/M200	1/2" Insulation For Chilled Water Piping	161	10%	177	LF	\$ -	\$ -	\$ -	\$ -	
134	M200	Note# 1/M200	1-1/2" Insulation For Hot Water Piping	193	10%	212	LF	\$ -	\$ -	\$ -	\$ -	
135	M201	Note# 1/M201	Insulate Refrigerant Piping	1279	10%	1,407	LF	\$ -	\$ -	\$ -	\$ -	
			EQUIPMENT									
136	M100	M601	CD-1 Service: Supply CFM Range: 0-100 Size: 24x24 Device Type: Square Basis Of Design: TMS	9	0%	9	EA.	\$ -	\$ -	\$ -	\$ -	

PROJECT ADDRESS
 Submission
 Date of plans
 MEP ONLY

MECHANICAL TAKEOFF



SR #	DWG. NO.	DETAIL NO.	DESCRIPTION	QTY.	WASTE	QTY. W/ WASTE	UNIT	LABOR / EQUIP.	MATERIAL	TOTAL UNIT COST	TOTAL COST	SUB TOTAL
137	M100	M601	CD-2 Service: Supply CFM Range: 201-300 Size: 24x24 Device Type: Square Basis Of Design: TMSA	2	0%	2	EA.	\$ -	\$ -	\$ -	\$ -	
138	M100	M601	SG-1 Service: Supply CFM Range: 101-200 Size: 12x8 Device Type: Grille Basis Of Design: 300RS	2	0%	2	EA.	\$ -	\$ -	\$ -	\$ -	
139	M100	M601	SG-2 Service: Supply CFM Range: 201-200 Size: 12x10 Device Type: Grille Basis Of Design: 300RS	3	0%	3	EA.	\$ -	\$ -	\$ -	\$ -	
140	M100/M101	M601	RG-1 Service: Return CFM Range: 0-500 Size: 24x24 Device Type: Square Basis Of Design: TITUS - PAR	3	0%	3	EA.	\$ -	\$ -	\$ -	\$ -	
141	M100	M601	EG-1 Service: Exhaust CFM Range: 0-300 Size: 12x10 Device Type: Grille Basis Of Design: 350RL	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
142	M100	M601	TG-1 Service: Transfer CFM Range: 0-100 Size: 8x8 Device Type: Grille Basis Of Design: 350RL	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
143	M100	M601	TG-2 Service: Transfer CFM Range: 101-500 Size: 20x10 Device Type: Grille Basis Of Design: 350RL	2	0%	2	EA.	\$ -	\$ -	\$ -	\$ -	
144	M100 to M102	M601	VAV/CAV BOX (Ventilation Only) VAV-1-1 CFM; Max: 440 Min: 55 Outlet: 12x10 Radiated: 19 Discharge: 18 Model: Desv Manufacturer: Titus	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
145	M100 to M102	M601	VAV/CAV BOX (Ventilation Only) VAV-1-2 CFM; Max: 340 Min: 110 Outlet: 12x8 Radiated: 22 Discharge: 20 Model: Desv Manufacturer: Titus	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
146	M100 to M102	M601	VAV/CAV BOX (Ventilation Only) VAV-1-3 CFM; Max: 220 Min: 44 Outlet: 12x8 Radiated: 15 Discharge: 14 Model: Desv Manufacturer: Titus	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	

PROJECT ADDRESS
 Submission
 Date of plans
 MEP ONLY

MECHANICAL TAKEOFF



SR #	DWG. NO.	DETAIL NO.	DESCRIPTION	QTY.	WASTE	QTY. W/ WASTE	UNIT	LABOR / EQUIP.	MATERIAL	TOTAL UNIT COST	TOTAL COST	SUB TOTAL
147	M100 to M102	M601	VAV/CAV BOX (Ventilation Only) CAV-1 CFM; Max: 1370 Min: 1370 Outlet: 20x17.5 Radiated: 20 Discharge: 15 Model: Desv Manufacturer: Titus	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
148	M100 to M102	M601	SPLIT SYSTEM (Indoor) AC-1 Cooling Capacity: 12000 Btu/Hr Seer: 20.5 Dimension: 37-7/16x9-1/8x11-5/8 Model: MSZ-GE12NA Manufacturer: Mitsubishi	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
149	M100 to M102	M601	SPLIT SYSTEM (Indoor) AC-2 Cooling Capacity: 24000 Btu/Hr Seer: 19 Dimension: 43-5/16x9-3/8x12-13/16 Model: MSY-GE24NA Manufacturer: Mitsubishi	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
150	M100 to M102	M601	SPLIT SYSTEM (Outdoor) ACCU-1 FLA: 0.5 MCA: 12 Dimension: 31-1/2x11-1/4x21-5/8 Model: MUZ-GE12NA Manufacturer: Mitsubishi	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
151	M100 to M102	M601	SPLIT SYSTEM (Outdoor) ACCU-2 FLA: 0.93 MCA: 17.1 Dimension: 36-1/4x13x34-5/8 Model: MUY-GE24NA Manufacturer: Mitsubishi	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
152	M100 to M102	M601	VRV BRANCH SELECTOR BS-1-1 & BS-1-2 Max.Connectable Cooling Capacity(Btu/Hr): 144000 Dimension: 14-9/16x11-3/4x18-15/16 Manufacturer: Daikin Basis Of Design: R-410A	2	0%	2	EA.	\$ -	\$ -	\$ -	\$ -	
153	M100 to M102	M601	VRV BRANCH SELECTOR BS-2-1 & BS-2-2 & BS-2-3 Max.Connectable Cooling Capacity(Btu/Hr): 36000 Dimension: 15-1/4x8-1/8x12-13/16 Manufacturer: Daikin Basis Of Design: R-410A	3	0%	3	EA.	\$ -	\$ -	\$ -	\$ -	
154	M100 to M102	M601	EXHAUST FANS EF-1 & EF-2 & EF-4 Method Of Control: Time Clock Manufacturer: Greenheck Model: G-080-VG	3	0%	3	EA.	\$ -	\$ -	\$ -	\$ -	

PROJECT ADDRESS
 Submission
 Date of plans
 MEP ONLY

MECHANICAL TAKEOFF



SR #	DWG. NO.	DETAIL NO.	DESCRIPTION	QTY.	WASTE	QTY. W/ WASTE	UNIT	LABOR / EQUIP.	MATERIAL	TOTAL UNIT COST	TOTAL COST	SUB TOTAL
155	M100 to M102	M601	EXHAUST FANS EF-3 Method Of Control: Time Clock Manufacturer: Greenheck Model: G-099-VG	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
156	M100 to M102	M601	EXHAUST FANS EF-5 Method Of Control: Continuous Manufacturer: Greenheck Model: G-080-VG	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
157	M100 to M102	M601	EXHAUST FANS EF-6 Method Of Control: Thermostat Manufacturer: Greenheck Model: G-080-VG	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
158	M100 to M102	M601	OUTDOOR VRV CONDENSING UNIT CU-1 Cooling Capacity (Btu/H): 148347 Heating Capacity (Btu/Hr): 147949 Size: (66-7x48-9x30-2)x2 Basis Of Design: Daikin REYQ192XAYDU	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
159	M100 to M102	M601	INDOOR VRV AIR CONDITIONING FCU-1-1 Size: 12x31x9 Type: Wall Mount Model: FXAQ07PVJU Manufacturer: Daikin	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
160	M100 to M102	M601	INDOOR VRV AIR CONDITIONING FCU-1-2 Size: 8x38x38 Type: Ceiling Suspended Model: FXUQ18PVJU Manufacturer: Daikin	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	
161	M100 to M102	M601	INDOOR VRV AIR CONDITIONING FCU-1-3 & 4 Size: 8x55x27 Type: Ceiling Suspended Model: FXHQ24MVJU Manufacturer: Daikin	2	0%	2	EA.	\$ -	\$ -	\$ -	\$ -	
162	M100 to M102	M601	INDOOR VRV AIR CONDITIONING FCU-1-5 & 6 Size: 10x33x33 Type: Cassette Model: FXFQ15TVJU Manufacturer: Daikin	2	0%	2	EA.	\$ -	\$ -	\$ -	\$ -	
163	M100 to M102	M601	INDOOR VRV AIR CONDITIONING FCU-1-7 Size: 8x37x37 Type: Ceiling Suspended Model: FXUQ24PVJU Manufacturer: Daikin	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -	

PROJECT ADDRESS
 Submission
 Date of plans
 MEP ONLY

MECHANICAL TAKEOFF



SR #	DWG. NO.	DETAIL NO.	DESCRIPTION	QTY.	WASTE	QTY. W/ WASTE	UNIT	LABOR / EQUIP.	MATERIAL	TOTAL UNIT COST	TOTAL COST	SUB TOTAL	
164	M100 to M102	M601	INDOOR VRV AIR CONDITIONING FCU-2-1 & 2 & 3 Size: 8x19x49 Type: Cassette Model: FXEQ18PVJU Manufacturer: Daikin	3	0%	3	EA.	\$ -	\$ -	\$ -	\$ -		
165	M100 to M102	M601	HOT WATER UNIT HEATER HWUH-1 CFM: 500 Capacity (MBH): 18.4 Type: Ceiling Mounted Basis Of Design: Sterling-HS-118A	1	0%	1	EA.	\$ -	\$ -	\$ -	\$ -		
			Sub-Total									\$ -	
TOTAL											\$ -	\$ -	
OVERHEAD AND PROFIT											20%	\$ -	\$ -
TOTAL BASE BID												\$ -	