

MATERIAL TAKEOFF AND COST ESTIMATE STATEMENT							
 M-TECH ESTIMATING Modern Tech drafting & Estimation Solutions	Date: 01/12/2025 Web: www.mtechestimating.com E-mail: info@mtechestimating.com Call us: +1 (307) 393-9746 <i>Scope: MEP Estimate</i>		PROJECT NAME:		MEP Estimate		
			LOCATION:		Project Name and Address removed for privacy!		
			MTE ID:		M24-2441-DC		
			Area Summary (GSF)		208,744		
					TOTAL TRADES AMOUNT	\$ 4,768,715	
				TOTAL BASE BID	\$ 6,056,268		
DIVISION WISE SUMMARY							
		CSI DIVISIONS	Total material cost	Total labor cost	Total cost	Cost/SF	
1		01 - General Conditions	\$ -	\$ -	\$ 47,500	\$0.23	
2		21 - Fire Protection	\$ 223,318	\$ 132,907	\$ 356,225	\$1.71	
3		22 - Plumbing	\$ 973,087	\$ 275,760	\$ 1,248,847	\$5.98	
4		23 - HVAC	\$ 1,158,168	\$ 353,041	\$ 1,511,210	\$7.24	
5		26 - Electrical	\$ 966,703	\$ 638,230	\$ 1,604,933	\$7.69	
		Total Trade Cost	3,321,277	\$ 1,399,938	\$ 4,768,715	\$22.84	
NOTES FOR CLIENTS							
1. This estimate is based on real market prices that are regularly updated by our team persons through market surveys and online resources, we still encourage our clients to put their own. 2. This sheet is your property and we encourage you to fine tune the wastage and pricing values to your preference. 3. Feel free to contact us for any queries or suggestions.					TOTAL TRADES AMOUNT		\$ 4,768,715
					OVERHEAD	7%	\$ 333,810
					PROFIT	15%	\$ 715,307
					INSURANCE	3%	\$ 143,061
					CONTINGENCY	2%	\$ 95,374
					TOTAL BASE BID		\$ 6,056,268

MATERIAL TAKEOFF AND COST ESTIMATE STATEMENT														
			Date: 01/12/2025		PROJECT NAME:		MEP Estimate							
			Web: www.mtechestimating.com		LOCATION:		Project Name and Address removed for privacy!							
			E-mail: info@mtechestimating.com		MTE ID:									
			Call us: +1 (307) 393-9746		M24-2441-DC									
Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
DIV. 01 GENERAL CONDITIONS														
GENERAL REQUIREMENTS														
1		Mobilization	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 5,000	
2		Supervision	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 7,000	
3		Safety requirements	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 8,000	
4		Office overheads	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 4,000	
5		Project Closeouts	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 3,500	
6		Submittal and approval	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 10,000	
7		Temporary Facilities and Controls	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 10,000	
Subtotal (General conditions)							Total mat. cost:	\$ -		Total labor cost:	\$ -	\$ -	\$ 47,500	
DIV. 21 FIRE PROTECTION														
PIPES														
8		1" Sprinkler Pipe	4552	5%	4780	LF	\$ 4.50	\$ 21,508.20	0.021	102.42	\$ 70	\$ 7,169	\$ 28,678	
9		1-1/2" Sprinkler Pipe	3019	5%	3170	LF	\$ 4.50	\$ 14,264.78	0.021	67.93	\$ 70	\$ 4,755	\$ 19,020	
10		1-1/4" Sprinkler Pipe	2656	5%	2789	LF	\$ 4.50	\$ 12,549.60	0.021	59.76	\$ 70	\$ 4,183	\$ 16,733	
11		2" Sprinkler Pipe	585	5%	614	LF	\$ 6.50	\$ 3,992.63	0.036	21.94	\$ 70	\$ 1,536	\$ 5,528	
12		3" Sprinkler Pipe	1696	5%	1781	LF	\$ 7.50	\$ 13,386.00	0.043	76.32	\$ 70	\$ 5,342	\$ 18,698	
13		6" Sprinkler Pipe	588	5%	617	LF	\$ 9.00	\$ 5,556.60	0.057	35.28	\$ 70	\$ 2,470	\$ 8,026	
14		6" Stand Pipe	288	5%	302	LF	\$ 9.00	\$ 2,721.60	0.057	17.28	\$ 70	\$ 1,210	\$ 3,931	
15		8" Sprinkler Pipe	228	5%	239	LF	\$ 10.00	\$ 2,394.00	0.071	17.10	\$ 70	\$ 1,197	\$ 3,591	
FIXTURES														
16		4"x (4) 2-1/2" Fire Pump Test Header	1	0%	1	EA	\$ 65.00	\$ 65.00	0.786	0.79	\$ 70	\$ 55	\$ 120	
17		6"x 2-1/2" x 2-1/2" Roof Manifold	2	0%	2	EA	\$ 65.00	\$ 130.00	0.786	1.57	\$ 70	\$ 110	\$ 240	
18		2-1/2" Drain Valve	22	0%	22	EA	\$ 45.00	\$ 990.00	0.429	9.43	\$ 70	\$ 660	\$ 1,650	
19		Concealed Sprinkler (Mfr: Reliable, Model: G4 XLO QREC/EC)	556	0%	556	EA	\$ 65.00	\$ 36,140.00	0.786	436.86	\$ 70	\$ 30,580	\$ 66,720	
20		Sidewall Sprinkler (Mfr: Reliable, Model: F1/RES)	178	0%	178	EA	\$ 65.00	\$ 11,570.00	0.786	139.86	\$ 70	\$ 9,790	\$ 21,360	
21		Upright Sprinkler (Mfr: Viking, Model: M ECOH)	519	0%	519	EA	\$ 65.00	\$ 33,735.00	0.786	407.79	\$ 70	\$ 28,545	\$ 62,280	
22		Fire Pump Controller	1	0%	1	EA	\$ 35.00	\$ 35.00	0.643	0.64	\$ 70	\$ 45	\$ 80	
23		Fire Pump (Mfr: Patterson, Model: 6x5x17 SSC-H, Operating Weight 2000 LBS, GPM: 1000, HP: 100, Motor Type: ODP)	1	0%	1	EA	\$ 35.00	\$ 35.00	0.643	0.64	\$ 70	\$ 45	\$ 80	
24		Jockey Pump (Mfr: Patterson, Model: CR1-13, Operating Weight 100 LBS, GPM: 10, HP: 1-1/2, Motor Type: TEFC)	1	0%	1	EA	\$ 35.00	\$ 35.00	0.643	0.64	\$ 70	\$ 45	\$ 80	
25		Concentric Flanged Inverter	1	0%	1	EA	\$ 35.00	\$ 35.00	0.643	0.64	\$ 70	\$ 45	\$ 80	
26		Check Valve	1	0%	1	EA	\$ 55.00	\$ 55.00	0.429	0.43	\$ 70	\$ 30	\$ 85	
27		Flanged O.S&Y Valve	1	0%	1	EA	\$ 55.00	\$ 55.00	0.429	0.43	\$ 70	\$ 30	\$ 85	
28		Grooved Butterfly Valve With Tamper	3	0%	3	EA	\$ 55.00	\$ 165.00	0.429	1.29	\$ 70	\$ 90	\$ 255	
29		Screwed OS & Y Gate Valve	2	0%	2	EA	\$ 55.00	\$ 110.00	0.429	0.86	\$ 70	\$ 60	\$ 170	
30		Screwed Check Valve	1	0%	1	EA	\$ 55.00	\$ 55.00	0.429	0.43	\$ 70	\$ 30	\$ 85	
31		Grooved Check Valve	1	0%	1	EA	\$ 55.00	\$ 55.00	0.429	0.43	\$ 70	\$ 30	\$ 85	
32		1/4" Pressure Gauge- 300 Lbs	4	0%	4	EA	\$ 120.00	\$ 480.00	1.214	4.86	\$ 70	\$ 340	\$ 820	
33		Pipe Hanger For 1" to 4" Pipes (3/8" Rod Coupling, 3/8" All Thread Rod, Pipe Ring)	1092	0%	1092	EA	\$ 55.00	\$ 60,060.00	0.429	468.00	\$ 70	\$ 32,760	\$ 92,820	
34		Pipe Hanger For 6" to 8" Pipes (3/8" Rod Coupling, 3/8" All Thread Rod, Pipe Ring)	57	0%	57	EA	\$ 55.00	\$ 3,135.00	0.429	24.43	\$ 70	\$ 1,710	\$ 4,845	
Subtotal (Fire Protection)							Total mat. cost:	\$ 223,318		Total labor cost:	\$ 132,907	\$ 356,225		
DIV. 22 PLUMBING														
PIPES														
36		1/2" Cold Water Pipe	3895	5%	4090	LF	\$ 1.75	\$ 7,157.06	0.021	87.64	\$ 70	\$ 6,135	\$ 13,292	
37		3/4" Cold Water Pipe	3806	5%	3996	LF	\$ 1.75	\$ 6,993.53	0.021	85.64	\$ 70	\$ 5,994	\$ 12,988	
38		1/2" Hot Water Pipe	4066	5%	4269	LF	\$ 1.75	\$ 7,471.28	0.021	91.49	\$ 70	\$ 6,404	\$ 13,875	
39		3/4" Hot Water Pipe	4066	5%	4269	LF	\$ 1.75	\$ 7,471.28	0.021	91.49	\$ 70	\$ 6,404	\$ 13,875	
40		1/2" Retail Water Pipe	425	5%	446	LF	\$ 1.75	\$ 780.94	0.021	9.56	\$ 70	\$ 669	\$ 1,450	
41		1-1/4" Cold Water Pipe	84	5%	88	LF	\$ 2.50	\$ 220.50	0.029	2.52	\$ 70	\$ 176	\$ 397	
42		2" Cold Water Pipe	888	5%	932	LF	\$ 4.50	\$ 4,195.80	0.050	46.62	\$ 70	\$ 3,263	\$ 7,459	
43		4" Cold Water Pipe	31	5%	33	LF	\$ 5.50	\$ 179.03	0.057	1.86	\$ 70	\$ 130	\$ 309	
44		4" Condensate Drain Pipe	126	5%	132	LF	\$ 5.50	\$ 727.65	0.057	7.56	\$ 70	\$ 529	\$ 1,257	
45		2" Irrigation Pipe	395	5%	415	LF	\$ 4.50	\$ 1,866.38	0.050	20.74	\$ 70	\$ 1,452	\$ 3,318	
46		2" Vent Pipe	3150	5%	3308	LF	\$ 4.50	\$ 14,883.75	0.050	165.38	\$ 70	\$ 11,576	\$ 26,460	
47		3" Vent Pipe	1585	5%	1664	LF	\$ 4.50	\$ 7,489.13	0.050	83.21	\$ 70	\$ 5,825	\$ 13,314	
48		Domestic Water Pipe (No Size)	63	5%	66	LF	\$ 4.50	\$ 297.68	0.050	3.31	\$ 70	\$ 232	\$ 529	
49		2" Sanitary Pipe	3522	5%	3698	LF	\$ 4.50	\$ 16,641.45	0.050	184.91	\$ 70	\$ 12,943	\$ 29,585	
50		3" Sanitary Pipe	3500	5%	3675	LF	\$ 4.50	\$ 16,537.50	0.050	183.75	\$ 70	\$ 12,863	\$ 29,400	
51		4" Sanitary Pipe	3470	5%	3644	LF	\$ 5.50	\$ 20,039.25	0.057	208.20	\$ 70	\$ 14,574	\$ 34,613	
52		6" Sanitary Pipe	2210	5%	2321	LF	\$ 6.50	\$ 15,083.25	0.071	165.75	\$ 70	\$ 11,603	\$ 26,686	
53		8" Sanitary Pipe	52	5%	55	LF	\$ 8.00	\$ 436.80	0.086	4.68	\$ 70	\$ 328	\$ 764	
FIXTURES														
54		BT: Bath Tub with Faucet Set	73	0%	73	EA	\$ 2,500.00	\$ 182,500.00	5.000	365.00	\$ 70	\$ 25,550	\$ 208,050	
55		K-SK: Kitchen Sink	64	0%	64	EA	\$ 1,100.00	\$ 70,400.00	2.143	137.14	\$ 70	\$ 9,600	\$ 80,000	
56		Mfr: KOHLER, Model: K-3822-1												
57		LAV: Lavatory	158	0%	158	EA	\$ 1,200.00	\$ 189,600.00	4.286	677.14	\$ 70	\$ 47,400	\$ 237,000	
58		Mfr: American Standard "Lucerne", Model: 0355.012												
59		Bath Shower with Shower Head	52	0%	52	EA	\$ 2,500.00	\$ 130,000.00	5.000	260.00	\$ 70	\$ 18,200	\$ 148,200	
60		WC: Water Closet	124	0%	124	EA	\$ 1,600.00	\$ 198,400.00	4.286	531.43	\$ 70	\$ 37,200	\$ 235,600	
61		Mfr: American Standard "Madera", Model: 2854.128												
62		EW1-1: Electric Water Heater	23	0%	23	EA	\$ 650.00	\$ 14,950.00	4.286	98.57	\$ 70	\$ 6,900	\$ 21,850	
63		Mfr: Rheem, Model: XE47SB06ST45U0, Nominal Capacity: 47 Gallons												
64		EW1-2: Electric Water Heater	27	0%	27	EA	\$ 650.00	\$ 17,550.00	4.286	115.71	\$ 70	\$ 8,100	\$ 25,650	
65		Mfr: Rheem, Model: PROE802 RH93, Nominal Capacity: 72 Gallons												
66		EW1-3: Electric Water Heater	1	0%	1	EA	\$ 650.00	\$ 650.00	4.286	4.29	\$ 70	\$ 300	\$ 950	
67		Mfr: A.O. Smith, Model: DEL-6S-2.5, Nominal Capacity: 6 Gallons												
68		EW1-4: Electric Water Heater	1	0%	1	EA	\$ 650.00	\$ 650.00	4.286	4.29	\$ 70	\$ 300	\$ 950	
69		Mfr: A.O. Smith, Model: DES-30-9, Nominal Capacity: 30 Gallons												
70		EW2: Drinking Fountain	2	0%	2	EA	\$ 650.00	\$ 1,300.00	3.571	7.14	\$ 70	\$ 500	\$ 1,800	
71		Mfr: ELKAY, Model: LVRCHDTL8S3JOC												
72		FCO: Floor Cleanout	8	0%	8	EA	\$ 120.00	\$ 960.00	0.929	7.43	\$ 70	\$ 520	\$ 1,480	
73		JSK: Janitor Sink	2	0%	2	EA	\$ 1,200.00	\$ 2,400.00	4.286	8.57	\$ 70	\$ 600	\$ 3,000	
74		Mfr: FIAT, Model: TSBCR1000												
75		SK: Countertop Stainless Steel Sink & Faucet	2	0%	2	EA	\$ 1,100.00	\$ 2,200.00	2.143	4.29	\$ 70	\$ 300	\$ 2,500	
76		Mfr: KOHLER, Model: K-3822-1												
77		TWH-1: Electric Tankless Water Heater	2	0%	2	EA	\$ 800.00	\$ 1,600.00	4.286	8.57	\$ 70	\$ 600	\$ 2,200	
78		Mfr: Siebel Eltron, Model: DHCE-3												
79		UR: Urinal	1	0%	1	EA	\$ 155.00	\$ 155.00	0.929	0.93	\$ 70	\$ 65	\$ 220	
80		P-1: Domestic Water Pump	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
81		Mfr: Grundfos Series, Model: CR-32-2-1-3PH, Motor HP: 7.5HP, RPM: 3650, Total GPM: 140												
82		P-2: Domestic Water Pump	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
83		Mfr: Grundfos Series, Model: CR-32-2-1-3PH, Motor HP: 7.5HP, RPM: 3650, Total GPM: 140												
84		Sump Pump	1	0%	1	EA	\$ 120.00	\$ 120.00	0.786	0.79	\$ 70	\$ 55	\$ 175	
85		Solid Interceptor SI-75	1	0%	1	EA	\$ 120.00	\$ 120.00	0.786	0.79	\$ 70	\$ 55	\$ 175	
86		Grease Interceptor GB-250	1	0%	1	EA	\$ 120.00	\$ 120.00	0.786	0.79	\$ 70	\$ 55	\$ 175	
87		Simplex Mod. CAFP-2 Automatic Fuel Port Remote Fueling Unit With Spill Containment Device	1	0%	1	EA	\$ 150.00	\$ 150.00	0.929	0.93	\$ 70	\$ 65	\$ 215	
88		3/4" HB: HoseBib	16	0%	16	EA	\$ 12							

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOURL	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
86		Grundfos CR 32-2-2 Pump	2	0%	2	EA	\$ 120.0	\$ 240.00	0.320	1.96	\$ 70	\$ 130	\$ 370	
87		Butterfly Valve	4	0%	4	EA	\$ 120.0	\$ 480.00	0.786	3.14	\$ 70	\$ 220	\$ 700	
88		Check Valve	2	0%	2	EA	\$ 120.0	\$ 240.00	0.786	1.57	\$ 70	\$ 110	\$ 350	
89		Pressure Gauge	2	0%	2	EA	\$ 120.0	\$ 240.00	0.786	1.57	\$ 70	\$ 110	\$ 350	
90		Transducer	2	0%	2	EA	\$ 120.0	\$ 240.00	0.786	1.57	\$ 70	\$ 110	\$ 350	
91		Suction Header 3"	1	0%	1	EA	\$ 120.0	\$ 120.00	0.786	0.79	\$ 70	\$ 55	\$ 175	
92		Discharge Header 3"	1	0%	1	EA	\$ 120.0	\$ 120.00	0.786	0.79	\$ 70	\$ 55	\$ 175	
93		System Control Panel	1	0%	1	EA	\$ 120.0	\$ 120.00	0.786	0.79	\$ 70	\$ 55	\$ 175	
94		System Base	1	0%	1	EA	\$ 120.0	\$ 120.00	0.786	0.79	\$ 70	\$ 55	\$ 175	
		ALLOWANCES												
95		Allowance for Plumbing Connections (208,744 SF)	1	0%	1	LS	\$ 12,000.0	\$ 12,000.00	130.000	130.00	\$ 70	\$ 9,100	\$ 21,100	
		Subtotal (Plumbing)					Total mat. cost:	\$ 973,087		Total labor cost:	\$ 275,760		\$ 1,248,847	
	DIV. 23	HEATING VENTILATING & AIR CONDITIONING (HVAC)												
		PIPE & DUCTS												
96		Ref. Line	2520	5%	2646	LF	\$ 4.55	\$ 12,039.30	0.052	137.97	\$ 70	\$ 9,658	\$ 21,697	
97		4" Dia Duct	3370	5%	3539	LF	\$ 4.15	\$ 14,684.78	0.052	184.51	\$ 70	\$ 12,916	\$ 27,600	
98		4"x4" Duct	5	5%	5	LF	\$ 4.15	\$ 21.79	0.052	0.27	\$ 70	\$ 19	\$ 41	
99		4"x6" Duct	10	5%	11	LF	\$ 4.15	\$ 43.58	0.052	0.55	\$ 70	\$ 38	\$ 82	
100		6" Dia Duct	2700	5%	2835	LF	\$ 5.15	\$ 14,600.25	0.061	172.13	\$ 70	\$ 12,049	\$ 26,649	
101		6"x4" Duct	117	5%	123	LF	\$ 5.15	\$ 632.68	0.061	7.46	\$ 70	\$ 522	\$ 1,155	
102		6"x6" Duct	852	5%	895	LF	\$ 5.15	\$ 4,607.19	0.061	54.32	\$ 70	\$ 3,802	\$ 8,409	
103		6"x8" Duct	6	5%	6	LF	\$ 5.15	\$ 32.45	0.061	0.38	\$ 70	\$ 27	\$ 59	
104		7" Engine Exhaust Pipe	18	5%	19	LF	\$ 7.95	\$ 150.26	0.081	1.53	\$ 70	\$ 107	\$ 257	
105		8" Dia Duct	147	5%	154	LF	\$ 7.95	\$ 1,227.08	0.081	12.46	\$ 70	\$ 872	\$ 2,099	
106		8"x6" Duct	80	5%	84	LF	\$ 7.95	\$ 667.80	0.081	6.78	\$ 70	\$ 475	\$ 1,142	
107		8"x8" Duct	19	5%	20	LF	\$ 7.95	\$ 158.60	0.081	1.61	\$ 70	\$ 113	\$ 271	
108		10"x6" Duct	678	5%	712	LF	\$ 9.25	\$ 6,585.08	0.124	87.97	\$ 70	\$ 6,158	\$ 12,743	
109		10"x8" Duct	215	5%	226	LF	\$ 9.25	\$ 2,088.19	0.124	27.90	\$ 70	\$ 1,953	\$ 4,041	
110		12"x6" Duct	415	5%	436	LF	\$ 10.33	\$ 4,501.30	0.134	58.20	\$ 70	\$ 4,074	\$ 8,576	
111		12"x8" Duct	178	5%	187	LF	\$ 10.33	\$ 1,930.68	0.134	24.96	\$ 70	\$ 1,748	\$ 3,678	
112		14"x6" Duct	325	5%	341	LF	\$ 10.65	\$ 3,634.31	0.150	51.19	\$ 70	\$ 3,583	\$ 7,217	
113		14"x8" Duct	162	5%	170	LF	\$ 10.65	\$ 1,811.57	0.150	25.52	\$ 70	\$ 1,786	\$ 3,598	
114		16"x6" Duct	252	5%	265	LF	\$ 12.26	\$ 3,244.00	0.162	42.83	\$ 70	\$ 2,998	\$ 6,242	
115		16"x8" Duct	257	5%	270	LF	\$ 12.26	\$ 3,308.36	0.162	43.68	\$ 70	\$ 3,057	\$ 6,362	
116		16"x10" Duct	44	5%	46	LF	\$ 12.26	\$ 566.41	0.162	7.48	\$ 70	\$ 523	\$ 1,090	
117		16"x16" Duct	8	5%	8	LF	\$ 12.26	\$ 102.98	0.162	1.36	\$ 70	\$ 95	\$ 198	
118		18"x6" Duct	189	5%	198	LF	\$ 13.60	\$ 2,698.92	0.181	35.86	\$ 70	\$ 2,510	\$ 5,209	
119		18"x8" Duct	241	5%	253	LF	\$ 13.60	\$ 3,441.48	0.181	45.73	\$ 70	\$ 3,201	\$ 6,643	
120		20"x6" Duct	21	5%	22	LF	\$ 14.11	\$ 311.13	0.186	4.10	\$ 70	\$ 287	\$ 598	
121		20"x8" Duct	220	5%	231	LF	\$ 14.11	\$ 3,259.41	0.186	42.90	\$ 70	\$ 3,003	\$ 6,292	
122		22"x6" Duct	189	5%	198	LF	\$ 14.35	\$ 2,847.76	0.189	37.56	\$ 70	\$ 2,629	\$ 5,477	
123		22"x8" Duct	236	5%	248	LF	\$ 14.35	\$ 3,555.93	0.189	46.91	\$ 70	\$ 3,283	\$ 6,839	
124		22"x10" Duct	120	5%	126	LF	\$ 14.35	\$ 1,808.10	0.189	23.85	\$ 70	\$ 1,670	\$ 3,478	
125		24"x6" Duct	31	5%	33	LF	\$ 14.35	\$ 467.09	0.189	6.16	\$ 70	\$ 431	\$ 898	
126		24"x8" Duct	268	5%	281	LF	\$ 14.35	\$ 4,038.09	0.189	53.27	\$ 70	\$ 3,729	\$ 7,767	
127		24"x10" Duct	105	5%	110	LF	\$ 14.35	\$ 1,582.09	0.189	20.87	\$ 70	\$ 1,461	\$ 3,043	
128		26"x6" Duct	42	5%	44	LF	\$ 14.99	\$ 661.06	0.199	8.79	\$ 70	\$ 615	\$ 1,276	
129		26"x8" Duct	173	5%	182	LF	\$ 14.99	\$ 2,722.93	0.199	36.20	\$ 70	\$ 2,534	\$ 5,257	
130		28"x6" Duct	19	5%	20	LF	\$ 14.99	\$ 299.05	0.199	3.98	\$ 70	\$ 278	\$ 577	
131		28"x8" Duct	27	5%	28	LF	\$ 14.99	\$ 424.87	0.199	5.65	\$ 70	\$ 395	\$ 820	
132		30"x6" Duct	12	5%	13	LF	\$ 14.99	\$ 188.87	0.199	2.51	\$ 70	\$ 176	\$ 365	
133		30"x8" Duct	197	5%	207	LF	\$ 14.99	\$ 3,100.68	0.199	41.22	\$ 70	\$ 2,886	\$ 5,986	
134		30"x10" Duct	90	5%	95	LF	\$ 14.99	\$ 1,416.56	0.199	18.83	\$ 70	\$ 1,318	\$ 2,735	
135		30"x24" Duct	13	5%	14	LF	\$ 14.99	\$ 204.61	0.199	2.72	\$ 70	\$ 190	\$ 395	
136		30"x30" Duct	19	5%	20	LF	\$ 14.99	\$ 299.05	0.199	3.98	\$ 70	\$ 278	\$ 577	
137		32"x6" Duct	63	5%	66	LF	\$ 15.33	\$ 1,014.06	0.202	13.34	\$ 70	\$ 934	\$ 1,948	
138		32"x10" Duct	47	5%	49	LF	\$ 15.33	\$ 756.54	0.202	9.95	\$ 70	\$ 697	\$ 1,453	
139		34"x6" Duct	37	5%	39	LF	\$ 15.66	\$ 608.39	0.208	8.08	\$ 70	\$ 566	\$ 1,174	
140		34"x8" Duct	15	5%	16	LF	\$ 15.66	\$ 246.65	0.208	3.28	\$ 70	\$ 229	\$ 476	
141		34"x10" Duct	36	5%	38	LF	\$ 15.66	\$ 591.95	0.208	7.86	\$ 70	\$ 550	\$ 1,142	
142		36"x6" Duct	8	5%	8	LF	\$ 15.66	\$ 131.54	0.208	1.75	\$ 70	\$ 122	\$ 254	
143		36"x8" Duct	73	5%	77	LF	\$ 15.66	\$ 1,200.34	0.208	15.94	\$ 70	\$ 1,116	\$ 2,316	
144		36"x12" Kitchen Exhaust Duct Up	21	5%	22	LF	\$ 15.66	\$ 345.30	0.208	4.59	\$ 70	\$ 321	\$ 666	
145		40"x10" Duct	8	5%	8	LF	\$ 16.50	\$ 138.60	0.218	1.83	\$ 70	\$ 128	\$ 267	
146		44x38 Duct Up	74	5%	78	LF	\$ 16.50	\$ 1,282.05	0.218	16.93	\$ 70	\$ 1,185	\$ 2,467	
147		46"x42" Duct	5	5%	5	LF	\$ 16.50	\$ 86.63	0.218	1.14	\$ 70	\$ 80	\$ 167	
		AIR DISTRIBUTION DEVICE												
148		Diffuser A: Supply Air, Side Wall, Titus 27ZFS	230	0%	230	EA	\$ 250.0	\$ 57,500.00	2.143	492.86	\$ 70	\$ 34,500	\$ 92,000	
149		Diffuser B: Supply Air, Ceiling Diffuser, Titus 250 AA	218	0%	218	EA	\$ 250.0	\$ 54,500.00	2.143	467.14	\$ 70	\$ 32,700	\$ 87,200	
150		Diffuser C: Return Air, Ceiling/Wall Grill, Titus 3FL	188	0%	188	EA	\$ 250.0	\$ 47,000.00	2.143	402.86	\$ 70	\$ 28,200	\$ 75,200	
151		Diffuser D: Supply Air, Ceiling Diffuser, Titus TDC-AA	25	0%	25	EA	\$ 250.0	\$ 6,250.00	2.143	53.57	\$ 70	\$ 3,750	\$ 10,000	
152		Diffuser E: Exhaust Air, Ceiling/Wall Register, Titus 3FLD	9	0%	9	EA	\$ 250.0	\$ 2,250.00	2.143	19.29	\$ 70	\$ 1,350	\$ 3,600	
153		Diffuser L: Exhaust/OA Intake, Wall Louver, Greenheck	25	0%	25	EA	\$ 250.0	\$ 6,250.00	2.143	53.57	\$ 70	\$ 3,750	\$ 10,000	
		VENTILATION FAN												
154		EF 1-1: Exhaust Fan, MFR: Greenheck, CFM: 50	120	0%	120	EA	\$ 350.0	\$ 42,000.00	2.143	257.14	\$ 70	\$ 18,000	\$ 60,000	
155		GEF 1-1: Garage Exhaust Fan, MFR: Greenheck, CFM: 10000	1	0%	1	EA	\$ 1,460.0	\$ 1,460.00	7.143	7.14	\$ 70	\$ 500	\$ 1,960	
156		CF 1: Garage Circulating Fan, MFR: Greenheck, CFM: 2600	10	0%	10	EA	\$ 500.0	\$ 5,000.00	3.571	35.71	\$ 70	\$ 2,500	\$ 7,500	
157		EF 1-1: Exhaust Fan, MFR: Greenheck, CFM: 50	1	0%	1	EA	\$ 350.0	\$ 350.00	2.143	2.14	\$ 70	\$ 150	\$ 500	
158		EF 1-2: Exhaust Fan, MFR: Greenheck, CFM: 50	1	0%	1	EA	\$ 350.0	\$ 350.00	2.143	2.14	\$ 70	\$ 150	\$ 500	
159		EF 1-3: Exhaust Fan, MFR: Greenheck, CFM: 1405	1	0%	1	EA	\$ 500.0	\$ 500.00	3.571	3.57	\$ 70	\$ 250	\$ 750	
160		EF 2-1: Exhaust Fan, MFR: Greenheck, CFM: 800	1	0%	1	EA	\$ 500.0	\$ 500.00	3.571	3.57	\$ 70	\$ 250	\$ 750	
161		EF 2-2: Exhaust Fan, MFR: Greenheck, CFM: 1480	1	0%	1	EA	\$ 500.0	\$ 500.00	3.571	3.57	\$ 70	\$ 250	\$ 750	
162		EF 2-3: Exhaust Fan, MFR: Greenheck, CFM: 800	1	0%	1	EA	\$ 500.0	\$ 500.00	3.571	3.57	\$ 70	\$ 250	\$ 750	
163		EF 4-1: Exhaust Fan, MFR: Greenheck, CFM: 50	1	0%	1	EA	\$ 350.0	\$ 350.00	2.143	2.14	\$ 70	\$ 150	\$ 500	
164		EF 4-2: Exhaust Fan, MFR: Greenheck, CFM: 50	1	0%	1	EA	\$ 350.0	\$ 350.00	2.143	2.14	\$ 70	\$ 150	\$ 500	
165		EF 4-3: Exhaust Fan, MFR: Greenheck, CFM: 50	1	0%	1	EA	\$ 350.0	\$ 350.00	2.143	2.14	\$ 70	\$ 150	\$ 500	
166		EF 4-4: Exhaust Fan, MFR: Greenheck, CFM: 145	1	0%	1	EA	\$ 350.0	\$ 350.00	2.143	2.14	\$ 70	\$ 150	\$ 500	
167		EF 5-1: Exhaust Fan, MFR: Greenheck, CFM: 50	1	0%	1	EA	\$ 350.0	\$ 350.00	2.143	2.14	\$ 70	\$ 150	\$ 500	
168		EF 8-1: Exhaust Fan, MFR: Greenheck, CFM: 50	1	0%	1	EA	\$ 350.0	\$ 350.00	2.143	2.14	\$ 70	\$ 150	\$ 500	
169		EF 8-2: Exhaust Fan, MFR: Greenheck, CFM: 50	1	0%	1	EA	\$ 350.0	\$ 350.00	2.143	2.14	\$ 70	\$ 150	\$ 500	
170		EF 8-3: Exhaust Fan, MFR: Greenheck, CFM: 1200	1	0%	1	EA	\$ 500.0	\$ 500.00	3.571	3.57	\$ 70	\$ 250	\$ 750	
171		EF 8-4: Exhaust Fan, MFR: Greenheck, CFM: 800	1	0%	1	EA	\$ 500.0	\$ 500.00	3.571	3.57	\$ 70	\$ 250	\$ 750	
172		SEF-R-1: Smoke Exhaust Fan, MFR: Greenheck, CFM: 3600	1	0%	1	EA	\$ 900.0	\$ 900.00	7.143	7.14	\$ 70	\$ 500	\$ 1,400	</

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
210		FCU4-4: VRF Indoor Unit, MFR: York, CFM: 300	1	0%	1	EA	\$ 5,500.00	\$ 5,500.00	9.286	9.29	\$ 70	\$ 650	\$ 6,150	
211		FCU4-5A: VRF Indoor Unit, MFR: York, CFM: 512	1	0%	1	EA	\$ 5,500.00	\$ 5,500.00	9.286	9.29	\$ 70	\$ 650	\$ 6,150	
212		FCU4-5B: VRF Indoor Unit, MFR: York, CFM: 512	1	0%	1	EA	\$ 5,500.00	\$ 5,500.00	9.286	9.29	\$ 70	\$ 650	\$ 6,150	
213		FCU1-5: VRF Indoor Unit, MFR: York, CFM: 512	1	0%	1	EA	\$ 5,500.00	\$ 5,500.00	9.286	9.29	\$ 70	\$ 650	\$ 6,150	
214		FCU5-1A: VRF Indoor Unit, MFR: York, CFM: 512	1	0%	1	EA	\$ 5,500.00	\$ 5,500.00	9.286	9.29	\$ 70	\$ 650	\$ 6,150	
215		FCU5-1B: VRF Indoor Unit, MFR: York, CFM: 512	1	0%	1	EA	\$ 5,500.00	\$ 5,500.00	9.286	9.29	\$ 70	\$ 650	\$ 6,150	
216		FCU8-1: VRF Indoor Unit, MFR: York, CFM: 512	1	0%	1	EA	\$ 5,500.00	\$ 5,500.00	9.286	9.29	\$ 70	\$ 650	\$ 6,150	
217		FCU8-2: VRF Indoor Unit, MFR: York, CFM: 300	1	0%	1	EA	\$ 5,500.00	\$ 5,500.00	9.286	9.29	\$ 70	\$ 650	\$ 6,150	
218		FCU8-3: VRF Indoor Unit, MFR: York, CFM: 300	1	0%	1	EA	\$ 5,500.00	\$ 5,500.00	9.286	9.29	\$ 70	\$ 650	\$ 6,150	
219		FCU8-4: VRF Indoor Unit, MFR: York, CFM: 300	1	0%	1	EA	\$ 5,500.00	\$ 5,500.00	9.286	9.29	\$ 70	\$ 650	\$ 6,150	
		VRF OUTDOOR UNIT												
220		CU1-1 (Future): VRF Outdoor Unit, MFR: York, Cooling Capacity: 162 MBH, Heating Capacity: 162 MBH, Refrigerant Type: R-410A	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
221		CU1-2 (Future): VRF Outdoor Unit, MFR: York, Cooling Capacity: 92 MBH, Heating Capacity: 108 MBH, Refrigerant Type: R-410A	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
222		CU1-3 (Future): VRF Outdoor Unit, MFR: York, Cooling Capacity: 36 MBH, Heating Capacity: 40 MBH, Refrigerant Type: R-410A	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
223		CU1-4 (Future): VRF Outdoor Unit, MFR: York, Cooling Capacity: 72 MBH, Heating Capacity: 81 MBH, Refrigerant Type: R-410A	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
224		CU1-5: VRF Outdoor Unit, MFR: York, Cooling Capacity: 36 MBH, Heating Capacity: 40 MBH, Refrigerant Type: R-410A	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
225		CU1-6: VRF Outdoor Unit, MFR: York, Cooling Capacity: 60 MBH, Heating Capacity: 64 MBH, Refrigerant Type: R-410A	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
226		CU1-7: VRF Outdoor Unit, MFR: York, Cooling Capacity: 60 MBH, Heating Capacity: 64 MBH, Refrigerant Type: R-410A	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
227		CU1-8: VRF Outdoor Unit, MFR: York, Cooling Capacity: 36 MBH, Heating Capacity: 40 MBH, Refrigerant Type: R-410A	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
228		CU1-9: VRF Outdoor Unit, MFR: York, Cooling Capacity: 60 MBH, Heating Capacity: 64 MBH, Refrigerant Type: R-410A	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
229		CU1-10: VRF Outdoor Unit, MFR: York, Cooling Capacity: 60 MBH, Heating Capacity: 64 MBH, Refrigerant Type: R-410A	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
230		CU2-1: VRF Outdoor Unit, MFR: York, Cooling Capacity: 36 MBH, Heating Capacity: 40 MBH, Refrigerant Type: R-410A	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
231		CU8-1: VRF Outdoor Unit, MFR: York, Cooling Capacity: 135 MBH, Heating Capacity: 144 MBH, Refrigerant Type: R-410A	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
232		CU8-3: VRF Outdoor Unit, MFR: York, 2.0 Tons	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
233		CU8-4: VRF Outdoor Unit, MFR: York, 2.0 Tons	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	6.429	6.43	\$ 70	\$ 450	\$ 3,950	
		MISC. EQUIPMENTS												
234		PACU-R-1: Residential 1008 Outside Air Unit, MFR: Addison, Model: PRO-A-B40-EB, Horizontal Air Cooles, Sized: 107x316.3x108, 8839 LBS, 10,000 CFM	1	0%	1	EA	\$ 5,500.00	\$ 5,500.00	9.286	9.29	\$ 70	\$ 650	\$ 6,150	
235		FP-1: Fire Pump	1	0%	1	EA	\$ 3,500.00	\$ 3,500.00	5.714	5.71	\$ 70	\$ 400	\$ 3,900	
236		M: Motorized Damper	33	0%	33	EA	\$ 120.00	\$ 3,960.00	0.786	25.93	\$ 70	\$ 1,815	\$ 5,775	
237		SD: Smoke Detector	2	0%	2	EA	\$ 120.00	\$ 240.00	0.786	1.57	\$ 70	\$ 110	\$ 350	
238		T: Thermostat	71	0%	71	EA	\$ 120.00	\$ 8,520.00	0.786	55.79	\$ 70	\$ 3,905	\$ 12,425	
239		24"x48" AP	1	0%	1	EA	\$ 120.00	\$ 120.00	0.786	0.79	\$ 70	\$ 55	\$ 175	
240		38"x2" Gooseneck with 1/2" Bird Screen	2	0%	2	EA	\$ 150.00	\$ 300.00	0.786	1.57	\$ 70	\$ 110	\$ 410	
241		Greenheck Model FGI Gravity Intake Hook	2	0%	2	EA	\$ 350.00	\$ 700.00	2.857	5.71	\$ 70	\$ 400	\$ 1,100	
242		Return Air Plenum, no Combustibles Material Allowed	1	0%	1	EA	\$ 350.00	\$ 350.00	2.857	2.86	\$ 70	\$ 200	\$ 550	
		ALLOWANCES												
243		Allowance for HVAC Connections/Accessories (208,744 SF)	1	0%	1	LS	\$ 18,000	\$ 18,000.00	200.000	200.00	\$ 70	\$ 14,000	\$ 32,000	
		Subtotal (HVAC)					Total mat. cost:	\$ 1,158,168		Total labor cost:		\$ 353,041		\$ 1,511,210
	DIV. 26	ELECTRICAL												
		POWER												
244		Retail Meter Center: 1200AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
245		MC 1: 800AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
246		Main # 1: 2000AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
247		SWBD1: 1600AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
248		SWBD2: 800AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
249		Panel R1: 400AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
250		Panel R2: 225AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
251		Panel R3: 225AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
252		Panel R4: 225AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
253		Panel G: 125AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
254		Panel G: 400AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
255		Panel GE: 125AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
256		Panel H: 125AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
257		Panel HE: 125AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
258		Panel H1: 125AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
259		Panel H1: 125AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
260		Panel A: 125AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
261		Panel F: 125AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
262		Panel R: 125AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
263		Panel RE: 125AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
264		Panel P: 125AMP, 3Dia, 4W, 120/208V	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
265		UNIT PANEL: 225AMP, 208/120, 3Dia, 4W	50	0%	50	EA	\$ 1,200.00	\$ 60,000.00	4.286	214.29	\$ 70	\$ 15,000	\$ 75,000	
266		Panel MC-2: 1200AMP 120/208V 3dia 4W	2	0%	2	EA	\$ 1,200.00	\$ 2,400.00	4.286	8.57	\$ 70	\$ 600	\$ 3,000	
267		400 AMP Disconnect Switch	1	0%	1	EA	\$ 1,200.00	\$ 1,200.00	4.286	4.29	\$ 70	\$ 300	\$ 1,500	
268		400 KW Generator	1	0%	1	EA	\$ 8,500.00	\$ 8,500.00	7.143	7.14	\$ 70	\$ 500	\$ 9,000	
269		ATS 800AMP	1	0%	1	EA	\$ 165.00	\$ 165.00	1.786	1.79	\$ 70	\$ 125	\$ 290	
270		Four Meter High	11	0%	11	EA	\$ 65.00	\$ 715.00	0.643	7.07	\$ 70	\$ 495	\$ 1,210	
271		Four Meters	1	0%	1	EA	\$ 65.00	\$ 65.00	0.643	0.64	\$ 70	\$ 45	\$ 110	
272		House CT Meter	1	0%	1	EA	\$ 65.00	\$ 65.00	0.643	0.64	\$ 70	\$ 45	\$ 110	
273		Main Meter Center One	1	0%	1	EA	\$ 65.00	\$ 65.00	0.643	0.64	\$ 70	\$ 45	\$ 110	
274		Main Meter Center Three	1	0%	1	EA	\$ 65.00	\$ 65.00	0.643	0.64	\$ 70	\$ 45	\$ 110	
275		Main Meter Center Two	1	0%	1	EA	\$ 65.00	\$ 65.00	0.643	0.64	\$ 70	\$ 45	\$ 110	
276		Main Retail Center One	1	0%	1	EA	\$ 65.00	\$ 65.00	0.643	0.64	\$ 70	\$ 45	\$ 110	
277		Three Meter High	2	0%	2	EA	\$ 165.00	\$ 330.00	1.786	3.57	\$ 70	\$ 250	\$ 580	
278		100 AMP Disconnect Switch	1	0%	1	EA	\$ 65.00	\$ 65.00	0.643	0.64	\$ 70	\$ 45	\$ 110	
279		3 Way Switch	160	0%	160	EA	\$ 65.00	\$ 10,400.00	0.643	102.86	\$ 70	\$ 7,200	\$ 17,600	
280		30 AMP Disconnect Switch	37	0%	37	EA	\$ 65.00	\$ 2,405.00	0.643	23.79	\$ 70	\$ 1,665	\$ 4,070	
281		4 Way Switch	11	0%	11	EA	\$ 165.00	\$ 1,815.00	1.786	19.64	\$ 70	\$ 1,375	\$ 3,190	
282		60 AMP Disconnect Switch	19	0%	19	EA	\$ 65.00	\$ 1,235.00	0.643	12.21	\$ 70	\$ 855	\$ 2,090	
283		Backboard	24	0%	24	EA	\$ 65.00	\$ 1,560.00	0.643	15.43	\$ 70	\$ 1,080	\$ 2,640	
284		Circuit Breaker For Generator	2	0%	2	EA	\$ 65.00	\$ 130.00	0.643	1.29	\$ 70	\$ 90	\$ 220	
285		Data Outlet	465	0%	465	EA	\$ 65.00	\$ 30,225.00	0.643	298.93	\$ 70	\$ 20,925	\$ 51,150	
286		Disconnect Switch	100	0%	100	EA	\$ 65.00	\$ 6,500.00	0.643	64.29	\$ 70	\$ 4,500	\$ 11,000	
287		Duplex Grounding Receptical	444	0%	444	EA	\$ 65.00	\$ 28,860.00	0.643	285.43	\$ 70	\$ 19,980	\$ 48,840	
288		Duplex Grounding Receptical WP	12	0%	12	EA	\$ 165.00	\$ 1,980.00	1.786	21.43	\$ 70	\$ 1,500	\$ 3,480	
289		Duplex Grounding Receptical WP/GFI	85	0%	85	EA	\$ 165.00	\$ 10,725.00	1.786	116.07	\$ 70	\$ 8,125	\$ 18,850	
290		Duplex Receptical	10											

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
314		Light Type FE: Outdoor Sconce BOH/ Manufacturer: Lumark With Battery Pack	10	0%	10	EA	\$ 500.00	\$ 5,000.00	3.571	35.71	\$ 70	\$ 2,500	\$ 7,500	
315		Light Type G: Parking Garage LED/ Manufacturer: MCGRAW-EDISON	13	0%	13	EA	\$ 218.00	\$ 2,834.00	2.143	27.86	\$ 70	\$ 1,950	\$ 4,784	
316		Light Type GE: Parking Garage LED/ Manufacturer: MCGRAW-EDISON With Battery Pack	21	0%	21	EA	\$ 500.00	\$ 10,500.00	3.571	75.00	\$ 70	\$ 5,250	\$ 15,750	
317		Light Type LE: 2" Downlight/ Manufacturer: Litaline	6	0%	6	EA	\$ 218.00	\$ 1,308.00	2.143	12.86	\$ 70	\$ 900	\$ 2,208	
318		Light Type LP-03 VP: Detail Not Given	125	0%	125	EA	\$ 218.00	\$ 27,250.00	2.143	267.86	\$ 70	\$ 18,750	\$ 46,000	
319		Light Type LT-01: Bold Economy 4 Inch Dia Recessed-L-927-B	954	0%	954	EA	\$ 218.00	\$ 207,972.00	2.143	2044.29	\$ 70	\$ 143,100	\$ 351,072	
320		Light Type LT-01-2: Bold Economy 4 Inch Dia Recessed-H-927-B	7	0%	7	EA	\$ 218.00	\$ 1,526.00	2.143	15.00	\$ 70	\$ 1,050	\$ 2,576	
321		Light Type LT-01-2E: Bold Economy 4 Inch Dia Recessed-H-927-B With Battery Pack	4	0%	4	EA	\$ 500.00	\$ 2,000.00	3.571	14.29	\$ 70	\$ 1,000	\$ 3,000	
322		Light Type LT-01E: Bold Economy 4 Inch Dia Recessed-L-927-B With Battery Pack	146	0%	146	EA	\$ 218.00	\$ 31,828.00	2.143	312.86	\$ 70	\$ 21,900	\$ 53,728	
323		Light Type LT-02: Lumens 576311	158	0%	158	EA	\$ 218.00	\$ 34,444.00	2.143	338.57	\$ 70	\$ 23,700	\$ 58,144	
324		Light Type LT-03 VP: Bold Economy4" Recessed-H-927-B Shower Light	1	0%	1	EA	\$ 218.00	\$ 218.00	2.143	2.14	\$ 70	\$ 150	\$ 368	
325		Light Type LT-04:Lumens Nodes 1 Flushmount	113	0%	113	EA	\$ 218.00	\$ 24,634.00	2.143	242.14	\$ 70	\$ 16,950	\$ 41,584	
326		Light Type LT-05: Hudson Valley 3-Agb	77	0%	77	EA	\$ 218.00	\$ 16,786.00	2.143	165.00	\$ 70	\$ 11,550	\$ 28,336	
327		Light Type LT-06:Lumens Nodes 1 Flushmount	43	0%	43	EA	\$ 218.00	\$ 9,374.00	2.143	92.14	\$ 70	\$ 6,450	\$ 15,824	
328		Light Type LT-07:Tech Fin 24 Bath	16	0%	16	EA	\$ 218.00	\$ 3,488.00	2.143	34.29	\$ 70	\$ 2,400	\$ 5,888	
329		Light Type LT-08: Oxygen 3-5010	30	0%	30	EA	\$ 218.00	\$ 6,540.00	2.143	64.29	\$ 70	\$ 4,500	\$ 11,040	
330		Light Type LT-09: Oxygen 3-520	56	0%	56	EA	\$ 218.00	\$ 12,208.00	2.143	120.00	\$ 70	\$ 8,400	\$ 20,608	
331		Light Type LT-10: Tom Dixon Plane Round	3	0%	3	EA	\$ 218.00	\$ 654.00	2.143	6.43	\$ 70	\$ 450	\$ 1,104	
332		Light Type LT-11: Hudson Valley 3600-Agb	2	0%	2	EA	\$ 218.00	\$ 436.00	2.143	4.29	\$ 70	\$ 300	\$ 736	
333		Light Type LT-12: Liton D1340b-L15ue-Dun	17	0%	17	EA	\$ 218.00	\$ 3,706.00	2.143	36.43	\$ 70	\$ 2,550	\$ 6,256	
334		Light Type LT-14:Tech Hilo 16	5	0%	5	EA	\$ 218.00	\$ 1,090.00	2.143	10.71	\$ 70	\$ 750	\$ 1,840	
335		Light Type LT-14E: Tech Hilo 16 With Battery Pack	4	0%	4	EA	\$ 500.00	\$ 2,000.00	3.571	14.29	\$ 70	\$ 1,000	\$ 3,000	
336		Light Type LT-15:Lumens 339	6	0%	6	EA	\$ 218.00	\$ 1,308.00	2.143	12.86	\$ 70	\$ 900	\$ 2,208	
337		Light Type LT-16: Detail Not Given	16	0%	16	EA	\$ 218.00	\$ 3,488.00	2.143	34.29	\$ 70	\$ 2,400	\$ 5,888	
338		Light Type LT-17: Tech Flama 24	6	0%	6	EA	\$ 218.00	\$ 1,308.00	2.143	12.86	\$ 70	\$ 900	\$ 2,208	
339		Light Type LT-17E: Tech Flama 24 With Battery Pack	2	0%	2	EA	\$ 500.00	\$ 1,000.00	3.571	7.14	\$ 70	\$ 500	\$ 1,500	
340		Light Type LT-19: Hudson Valley 6029 AGB	2	0%	2	EA	\$ 218.00	\$ 436.00	2.143	4.29	\$ 70	\$ 300	\$ 736	
341		Light Type LT-20: Circa Paxton 48	1	0%	1	EA	\$ 218.00	\$ 218.00	2.143	2.14	\$ 70	\$ 150	\$ 368	
342		Light Type LT-20E: Circa Paxton 48 With Battery Pack	1	0%	1	EA	\$ 500.00	\$ 500.00	3.571	3.57	\$ 70	\$ 250	\$ 750	
343		Light Type LT-21: Hudson Valley 3-Agb	1	0%	1	EA	\$ 218.00	\$ 218.00	2.143	2.14	\$ 70	\$ 150	\$ 368	
344		Light Type O: LED Wall Sconce	2	0%	2	EA	\$ 218.00	\$ 436.00	2.143	4.29	\$ 70	\$ 300	\$ 736	
345		Light Type OE: LED Wall Sconce On Generator	3	0%	3	EA	\$ 218.00	\$ 654.00	2.143	6.43	\$ 70	\$ 450	\$ 1,104	
346		Light Type P: Sistemalux Mini Look Bollard Wood L9211w	2	0%	2	EA	\$ 218.00	\$ 436.00	2.143	4.29	\$ 70	\$ 300	\$ 736	
347		Light Type P2E: We-EI Pyl24 (114-9788)	26	0%	26	EA	\$ 218.00	\$ 5,668.00	2.143	55.71	\$ 70	\$ 3,900	\$ 9,568	
348		Light Type P3E: Sistemalux Mini Look Bollard Wood L9206w	19	0%	19	EA	\$ 218.00	\$ 4,142.00	2.143	40.71	\$ 70	\$ 2,850	\$ 6,992	
349		Light Type PE: LED Landscape Uplight/ Manufacturer: Vista Pro	26	0%	26	EA	\$ 218.00	\$ 5,668.00	2.143	55.71	\$ 70	\$ 3,900	\$ 9,568	
350		Light Type PTE: LED Landscape Uplight/ Manufacturer: Vista Pro With Battery Backup	4	0%	4	EA	\$ 500.00	\$ 2,000.00	3.571	14.29	\$ 70	\$ 1,000	\$ 3,000	
351		Light Type S: B-K Yk-D-Led-AA080-Whp-H-Sd-60-010-Mt(Horizontal)	4	0%	4	EA	\$ 218.00	\$ 872.00	2.143	8.57	\$ 70	\$ 600	\$ 1,472	
352		Light Type SE: Corridors On Generator/ Manufacturer: Halo Commercial	42	0%	42	EA	\$ 500.00	\$ 21,000.00	3.571	150.00	\$ 70	\$ 10,500	\$ 31,500	
353		Light Type U: B-K Lighting La-525	73	0%	73	EA	\$ 218.00	\$ 15,914.00	2.143	156.43	\$ 70	\$ 10,950	\$ 26,864	
354		Light Type U2 Fc Lighting Fcd809r-Xc-3k-13i-Cri85-Ss-Wll	13	0%	13	EA	\$ 218.00	\$ 2,834.00	2.143	27.86	\$ 70	\$ 1,950	\$ 4,784	
355		Light Type VE: 48" Strip Light	11	0%	11	EA	\$ 218.00	\$ 2,398.00	2.143	23.57	\$ 70	\$ 1,650	\$ 4,048	
356		Light Type W: Liton Wd1340b-L15ue-Dun	1	0%	1	EA	\$ 218.00	\$ 218.00	2.143	2.14	\$ 70	\$ 150	\$ 368	
357		Light Type WE: Liton Wd1340b-L15ue-Dun With Battery Pack	4	0%	4	EA	\$ 500.00	\$ 2,000.00	3.571	14.29	\$ 70	\$ 1,000	\$ 3,000	
358		Light Type X: Universal Edge LIT Exit/ Manufacturer: Surelites	68	0%	68	EA	\$ 218.00	\$ 14,824.00	2.143	145.71	\$ 70	\$ 10,200	\$ 25,024	
359		Light Type X WP: Universal Edge LIT Exit/ Manufacturer: Surelites Weatherproof	5	0%	5	EA	\$ 218.00	\$ 1,090.00	2.143	10.71	\$ 70	\$ 750	\$ 1,840	
360		OS: Occupancy Sensor	32	0%	32	EA	\$ 95.00	\$ 3,040.00	0.929	29.71	\$ 70	\$ 2,080	\$ 5,120	
361		FIRE ALARM												
361		BDA Interface By Others	2	0%	2	EA	\$ 165.00	\$ 330.00	2.643	5.29	\$ 70	\$ 370	\$ 700	
362		Ceiling Thermal Detector/ Model: FDT421/DB-11	5	0%	5	EA	\$ 165.00	\$ 825.00	2.643	13.21	\$ 70	\$ 925	\$ 1,750	
363		Digital Dialer	1	0%	1	EA	\$ 165.00	\$ 165.00	2.643	2.64	\$ 70	\$ 185	\$ 350	
364		Elevator Status Panel With Recall Switch And Emergency Power Selector Switch	1	0%	1	EA	\$ 165.00	\$ 165.00	2.643	2.64	\$ 70	\$ 185	\$ 350	
365		Fire Alarm Panel	1	0%	1	EA	\$ 165.00	\$ 165.00	2.643	2.64	\$ 70	\$ 185	\$ 350	
366		Fire Alarm Speaker Strobe, Slectable Candela/ Model: SLSPSWW-F	101	0%	101	EA	\$ 165.00	\$ 16,665.00	2.643	266.93	\$ 70	\$ 18,685	\$ 35,350	
367		Fire Alarm Speaker Strobe, Slectable Candela/ Model: SLSPSWW-F WP	15	0%	15	EA	\$ 165.00	\$ 2,475.00	2.643	39.64	\$ 70	\$ 2,775	\$ 5,250	
368		Fire Alarm Speaker Strobe, Slectable Candela/ Model: SLSWW-F	2	0%	2	EA	\$ 165.00	\$ 330.00	2.643	5.29	\$ 70	\$ 370	\$ 700	
369		Fire Alarm Speaker/ Model: SLSPSWW-F	136	0%	136	EA	\$ 165.00	\$ 22,440.00	2.643	359.43	\$ 70	\$ 25,160	\$ 47,600	
370		Fire Man's Phone Jack	9	0%	9	EA	\$ 165.00	\$ 1,485.00	2.643	23.79	\$ 70	\$ 1,665	\$ 3,150	
371		Fire Pump Panel	1	0%	1	EA	\$ 165.00	\$ 165.00	2.643	2.64	\$ 70	\$ 185	\$ 350	
372		Flow Switch (By Others)/ Model: F.B.O.	10	0%	10	EA	\$ 165.00	\$ 1,650.00	2.643	26.43	\$ 70	\$ 1,850	\$ 3,500	
373		Input Module/ Model: FDC12221	4	0%	4	EA	\$ 165.00	\$ 660.00	2.643	10.57	\$ 70	\$ 740	\$ 1,400	
374		Manual Pull Station/ Model: XMS	54	0%	54	EA	\$ 165.00	\$ 8,910.00	2.643	142.71	\$ 70	\$ 9,990	\$ 18,900	
375		Manual Pull Station/ Model: XMS WP	2	0%	2	EA	\$ 165.00	\$ 330.00	2.643	5.29	\$ 70	\$ 370	\$ 700	
376		Photoelectric Detector w/DB-11XRS Relay Base/ Model: FD0421/DB-11	69	0%	69	EA	\$ 165.00	\$ 11,385.00	2.643	182.36	\$ 70	\$ 12,765	\$ 24,150	
377		Relay	2	0%	2	EA	\$ 165.00	\$ 330.00	2.643	5.29	\$ 70	\$ 370	\$ 700	
378		Remote Generator Panel	1	0%	1	EA	\$ 165.00	\$ 165.00	2.643	2.64	\$ 70	\$ 185	\$ 350	
379		Smoke Control Panel	1	0%	1	EA	\$ 165.00	\$ 165.00	2.643	2.64	\$ 70	\$ 185	\$ 350	
380		Tamper Switch (By Others)/ Model: F.B.O.	22	0%	22	EA	\$ 165.00	\$ 3,630.00	2.643	58.14	\$ 70	\$ 4,070	\$ 7,700	
381		Telephone System Equipment	1	0%	1	EA	\$ 165.00	\$ 165.00	2.643	2.64	\$ 70	\$ 185	\$ 350	
382		Two-Way Communication Panel	1	0%	1	EA	\$ 165.00	\$ 165.00	2.643	2.64	\$ 70	\$ 185	\$ 350	
383		ALLOWANCES												
		Allowance for Electrical Wiring (208,744 SF)	1	0%	1	LS	\$ 28,000	\$ 28,000.00	250.000	250.00	\$ 70	\$ 17,500	\$ 45,500	
		Subtotal (Electrical)					Total mat. cost:	\$ 966,703		Total labor cost:		\$ 638,230		\$ 1,604,933
NOTES FOR CLIENTS												TOTAL TRADES AMOUNT		\$4,768,715
1. This estimate is based on real market prices that are regularly updated by our team persons through market surveys and online resources, we still encourage our clients to put their own.												OVERHEAD		7% \$ 333,810.05
2. This sheet is your property and we encourage you to fine tune the wastage and pricing values to your preference.												PROFIT		15% \$ 715,307.25
3. Feel free to contact us for any queries or suggestions.												INSURANCE		3% \$ 143,061.45
Notes:												CONTINGENCY		2% \$ 95,374.30
												TOTAL BASE BID		\$ 6,056,268