

PROJECT: Hidden For Privacy

ADDRESS:

DATE: Hidden For Privacy

REV: 0

LABOR RATE \$ 31

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT COST	UNIT	MATERIAL COST	LABOR RATE	LABOR	UNIT	TOTAL LABOR	LABOR COST	TOTAL COST
NEW WORK														
DISTRIBUTION														
CONDUITS														
1	2" EMT Conduit	22	10%	24	FT	\$ 361.75	C	\$ 87	\$ 31	12	C	2.87	\$ 89	\$ 176
2	4" EMT Conduit (length Assumed Location not Given)	40	10%	44	FT	\$ 941.80	C	\$ 414	\$ 31	18.5	C	8.14	\$ 252	\$ 667
3	4" PVC SCH 40 Conduit (Length Assumed Location not given)	100	10%	110	FT	\$ 276.22	C	\$ 304	\$ 31	17.98	C	19.78	\$ 613	\$ 917
4	4" RGS Conduit (length Assumed Location not Given)	10	10%	11	FT	\$ 2,888.96	C	\$ 318	\$ 31	21.2	C	2.33	\$ 72	\$ 390
CONDUCTORS														
1	#3 CU THHN/THWN	72	10%	79	FT	\$ 1,867.72	M	\$ 147	\$ 31	12.15	M	0.96	\$ 30	\$ 177
2	#3/0 CU THHN/THWN	87	10%	96	FT	\$ 5,099.92	M	\$ 488	\$ 31	21.25	M	2.03	\$ 63	\$ 551
3	#600 KCMIL CU THHN/THWN	600	10%	660	FT	\$ 18,552.94	M	\$ 12,245	\$ 31	36.72	M	24.24	\$ 751	\$ 12,996
TERMINATIONS														
1	Compression Lugs CU With 1-Hole, #3 CU Wire	3	0%	3	EA	\$ 4.43	E	\$ 13	\$ 31	0.42	E	1.26	\$ 39	\$ 52
	Heat Shrink Tubing For #3 CU Wire	3	0%	3	EA	\$ 1.20	E	\$ 4	\$ 31	0.1	E	0.30	\$ 9	\$ 13
2	Compression Lugs CU With 1-Hole, #3/0 CU Wire	16	0%	16	EA	\$ 7.52	E	\$ 120	\$ 31	0.565	E	9.04	\$ 280	\$ 401
	Heat Shrink Tubing For #3/0 CU Wire	16	0%	16	EA	\$ 1.85	E	\$ 30	\$ 31	0.152	E	2.43	\$ 75	\$ 105
3	Compression Lugs CU With 1-Hole, #600 KCMIL CU Wire	16	0%	16	EA	\$ 26.32	E	\$ 421	\$ 31	0.62	E	9.92	\$ 308	\$ 729
	Heat Shrink Tubing For #600 KCMIL CU Wire	16	0%	16	EA	\$ 2.32	E	\$ 37	\$ 31	0.188	E	3.01	\$ 93	\$ 130
CIRCUIT BREAKERS (ALL BREAKERS SHALL BE HACR RATED AS PER PANELBOARD NOTES)														
1	1P/20A Breaker	51	0%	51	EA	\$ 12.68	E	\$ 647	\$ 31	0.32	E	16.32	\$ 506	\$ 1,153
2	1P/20A GFI Breaker With 5mA Rating For Personnel Protection & 30mA Rating For Equipment Protection	3	0%	3	EA	\$ 124.86	E	\$ 375	\$ 31	0.452	E	1.36	\$ 42	\$ 417
3	1P/20A Lock On Clip Breaker	2	0%	2	EA	\$ 25.91	E	\$ 52	\$ 31	0.352	E	0.70	\$ 22	\$ 74
4	2P/15A Breaker	3	0%	3	EA	\$ 28.76	E	\$ 86	\$ 31	0.388	E	1.16	\$ 36	\$ 122
5	3P/20A GFI Breaker With 5mA Rating For Personnel Protection & 30mA Rating For Equipment Protection	2	0%	2	EA	\$ 692.53	E	\$ 1,385	\$ 31	0.458	E	0.92	\$ 28	\$ 1,413
6	3P/35A Breaker	1	0%	1	EA	\$ 149.04	E	\$ 149	\$ 31	0.42	E	0.42	\$ 13	\$ 162
7	3P/45A Breaker	1	0%	1	EA	\$ 147.65	E	\$ 148	\$ 31	0.488	E	0.49	\$ 15	\$ 163
8	3P/50A Breaker	1	0%	1	EA	\$ 144.86	E	\$ 145	\$ 31	0.52	E	0.52	\$ 16	\$ 161
9	3P/60A Breaker	1	0%	1	EA	\$ 142.70	E	\$ 143	\$ 31	0.632	E	0.63	\$ 20	\$ 162
10	3P/200A MCB Breaker	1	0%	1	EA	\$ 23,865.00	E	\$ 23,865	\$ 31	12	E	12.00	\$ 372	\$ 24,237
11	200A MCB Breaker In Existing 200A MLO Panel	1	0%	1	EA	\$ 23,865.00	E	\$ 23,865	\$ 31	12	E	12.00	\$ 372	\$ 24,237
PANELS														
1	Panel B: 200A, 3PH, 4W, 120/208V, Mian: 200A MCB, 42 Poles, Surface Mounted, SQUARE D, SIEMENS, G.E OR CUTLER HAMMER	1	0%	1	EA	\$ 1,024.48	E	\$ 1,024	\$ 31	3.25	E	3.25	\$ 101	\$ 1,125
DEVICES														
1	3P/400AS/400AF Service Disconnect Switch, NEMA 3R	1	0%	1	EA	\$ 2,082.16	E	\$ 2,082	\$ 31	1.85	E	1.85	\$ 57	\$ 2,140
2	6" Wireway	1	0%	1	EA	\$ 456.31	E	\$ 456	\$ 31	1	E	1.00	\$ 31	\$ 487
3	400A Meter	1	0%	1	EA	\$ 514.55	E	\$ 515	\$ 31	1.25	E	1.25	\$ 39	\$ 553
4	CT Cabinet	1	0%	1	EA	\$ 1,386.44	E	\$ 1,386	\$ 31	2.65	E	2.65	\$ 82	\$ 1,469
DISCONNECT SWITCH														
1	2P/30A Disconnect Switch With (2) 15A Fuses, NEMA 3R, SQUARE D, SIEMENS, G.E OR CUTLER HAMMER	1	0%	1	EA	\$ 77.46	E	\$ 77	\$ 31	0.895	E	0.90	\$ 28	\$ 105
2	3P/30A Disconnect Switch With (3) 20A Fuses,, SQUARE D, SIEMENS, G.E OR CUTLER HAMMER	2	0%	2	EA	\$ 114.11	E	\$ 228	\$ 31	0.988	E	1.98	\$ 61	\$ 289
3	3P/50A Disconnect (Factory Provided), SQUARE D, SIEMENS, G.E OR CUTLER HAMMER	1	0%	1	EA	\$ 111.39	E	\$ 111	\$ 31	1.2	E	1.20	\$ 37	\$ 149
4	3P/60A Disconnect Switch (Rating Assumed From Panel), SQUARE D, SIEMENS, G.E OR CUTLER HAMMER	1	0%	1	EA	\$ 176.29	E	\$ 176	\$ 31	1.5	E	1.50	\$ 47	\$ 223
5	3P/60A Disconnect Switch With (3) 45A Fuses, NEMA 3R, SQUARE D, SIEMENS, G.E OR CUTLER HAMMER	1	0%	1	EA	\$ 275.00	E	\$ 275	\$ 31	1.62	E	1.62	\$ 50	\$ 325
GROUNDING														
1	5/8"x10' Ground Rod	1	0%	1	EA	\$ 58.62	E	\$ 59	\$ 31	0.752	E	0.75	\$ 23	\$ 82
2	#1/0 Grounding Wire	40	1%	40	FT	\$ 3,280.57	M	\$ 133	\$ 31	17.82	M	0.72	\$ 22	\$ 155
RECEPTACLES & SWITCHES														
CONDUITS														
1	1/2" EMT Conduit	188	10%	207	FT	\$ 51.29	C	\$ 106	\$ 31	5.8	C	11.98	\$ 371	\$ 477
2	3/4" EMT Conduit (Upto Ceiling)	60	10%	66	FT	\$ 90.59	C	\$ 60	\$ 31	6.5	C	4.29	\$ 133	\$ 193
3	3/4" EMT Conduit	1870	10%	2057	FT	\$ 90.59	C	\$ 1,863	\$ 31	6.5	C	133.71	\$ 4,145	\$ 6,008
4	1" EMT Conduit	177	10%	195	FT	\$ 155.45	C	\$ 303	\$ 31	7	C	13.63	\$ 422	\$ 725
5	3/4"PVC SCH 40 Conduit	26	10%	29	FT	\$ 34.43	C	\$ 10	\$ 31	6.5	C	1.87	\$ 58	\$ 68
6	1/2" RGS Conduit	15	10%	17	FT	\$ 292.88	C	\$ 50	\$ 31	6.5	C	1.10	\$ 34	\$ 84
7	3/4" RGS Conduit	30	10%	33	FT	\$ 301.32	C	\$ 98	\$ 31	7.2	C	2.35	\$ 73	\$ 171
8	1" RGS Conduit	15	10%	17	FT	\$ 479.71	C	\$ 79	\$ 31	7.98	C	1.32	\$ 41	\$ 120
CONDUCTORS														
1	#12 CU THHN/THWN	1692	10%	1861	FT	\$ 221.25	M	\$ 412	\$ 31	12.15	M	22.61	\$ 701	\$ 1,113
2	#10 CU THHN/THWN	5350	10%	5885	FT	\$ 338.83	M	\$ 1,994	\$ 31	13.85	M	81.51	\$ 2,527	\$ 4,521
3	#8 CU THHN/THWN	330	10%	363	FT	\$ 628.94	M	\$ 228	\$ 31	7.29	M	2.65	\$ 82	\$ 310
4	#6 CU THHN/THWN	247	10%	272	FT	\$ 967.65	M	\$ 263	\$ 31	8.91	M	2.42	\$ 75	\$ 338

DEVICES																			
1	GFCI Duplex Receptacle, HUBBEL, P&S, LEVITON	7	0%	7	EA	\$	55.00	E	\$	385	\$	31	0.425	E	2.98	\$	92	\$	477
2	GFCI Duplex Receptacle, NEMA 5-15R, HUBBEL, P&S, LEVITON	4	0%	4	EA	\$	32.32	E	\$	129	\$	31	0.388	E	1.55	\$	48	\$	177
3	GFCI Duplex Receptacle, NEMA 5-20R, HUBBEL, P&S, LEVITON	1	0%	1	EA	\$	32.32	E	\$	32	\$	31	0.388	E	0.39	\$	12	\$	44
4	GFCI Duplex Receptacle, WP, HUBBEL, P&S, LEVITON	3	0%	3	EA	\$	41.20	E	\$	124	\$	31	0.425	E	1.28	\$	40	\$	163
5	GFCI Quadruplex Receptacle, HUBBEL, P&S, LEVITON	1	0%	1	EA	\$	52.98	E	\$	53	\$	31	0.588	E	0.59	\$	18	\$	71
6	Grounding Type Duplex Receptacle, HUBBEL, P&S, LEVITON	3	0%	3	EA	\$	39.52	E	\$	119	\$	31	0.452	E	1.36	\$	42	\$	161
7	Grounding Type Duplex Receptacle, Ceiling Mounted, HUBBEL, P&S, LEVITON	2	0%	2	EA	\$	39.52	E	\$	79	\$	31	0.452	E	0.90	\$	28	\$	107
8	Grounding Type Duplex Receptacle, Mounted To Millwork, NEMA 5-15R, HUBBEL, P&S, LEVITON	1	0%	1	EA	\$	39.52	E	\$	40	\$	31	0.452	E	0.45	\$	14	\$	54
9	Grounding Type Quadruplex Receptacle, HUBBEL, P&S, LEVITON	8	0%	8	EA	\$	52.98	E	\$	424	\$	31	0.588	E	4.70	\$	146	\$	570
10	Grounding Type Quadruplex Receptacle, Mounted TO Millwork, NEMA 5-15R, HUBBEL, P&S, LEVITON	2	0%	2	EA	\$	52.98	E	\$	106	\$	31	0.588	E	1.18	\$	36	\$	142
11	Grounding Type Quadruplex Receptacle, NEMA 5-15R, HUBBEL, P&S, LEVITON	3	0%	3	EA	\$	52.98	E	\$	159	\$	31	0.588	E	1.76	\$	55	\$	214
12	Tamper Resistant Grounding Type Duplex Receptacle, HUBBEL, P&S, LEVITON	4	0%	4	EA	\$	35.20	E	\$	141	\$	31	0.452	E	1.81	\$	56	\$	197
13	Manual Motor Starter Toggle Switch With Thermal Overload Protection With Enclosure With Lockout Accessory, SQUARE D, SIEMENS, G.E OR CUTLER HAMMER	3	0%	3	EA	\$	185.25	E	\$	556	\$	31	1	E	3.00	\$	93	\$	649
14	Single Pole Switch, WP, HUBBEL, P&S, LEVITON	1	0%	1	EA	\$	7.52	E	\$	8	\$	31	0.252	E	0.25	\$	8	\$	15
15	Exgust Fan Connection	2	0%	2	EA			E	\$	-	\$	31	1	E	2.00	\$	62	\$	62
16	Fly Control, LURALITE 405435FL	1	0%	1	EA	\$	208.65	E	\$	209	\$	31	1.5	E	1.50	\$	47	\$	255
LIGHTING (GC TO ORDER FROM MELETIO - JIM ELLIS 972.559.6943 JELLIS@MELETIO.COM)																			
CONDUITS																			
1	3/4" EMT Conduit	286	10%	315	FT	\$	90.59	C	\$	285	\$	31	6.5	C	20.45	\$	634	\$	919
2	1" EMT Conduit	187	10%	206	FT	\$	155.45	C	\$	320	\$	31	7	C	14.40	\$	446	\$	766
CONDUCTORS																			
1	#12 CU THHN/THWN	33.93	10%	37	FT	\$	221.25	M	\$	8	\$	31	12.15	M	0.45	\$	14	\$	22
2	#10 CU THHN/THWN	1011	10%	1112	FT	\$	338.83	M	\$	377	\$	31	13.85	M	15.40	\$	477	\$	854
3	#8 CU THHN/THWN	374	10%	411	FT	\$	628.94	M	\$	259	\$	31	7.29	M	3.00	\$	93	\$	352
LIGHTING FIXTURES																			
1	A: 2'X4' Lay-In Troffer Fixture With Aluminum Housing, Frosted Polystyrene Lens, 5,260 Lumen Output And (1) One 0-10V Dimming Driver, RAB LIGHTING EZPAN2X4-50YN/D10	13	0%	13	EA	\$	232.25	E	\$	3,019	\$	31	1	E	13.00	\$	403	\$	3,422
	Fixture Clamp	52	0%	52	EA	\$	2.45	E	\$	127	\$	31	0.1	E	5.20	\$	161	\$	289
	#12 Hanger Wire, 3FT	52	0%	52	EA	\$	1.35	E	\$	70	\$	31	0.125	E	6.50	\$	202	\$	272
2	A/EM: 2'X4' Lay-In Troffer Fixture With Aluminum Housing, Frosted Polystyrene Lens, 5,260 Lumen Output, (1) One 0-10V Dimming Driver And Emergency Battery Backup, RAB LIGHTING EZPAN2X4-50YN/D10/E2	2	0%	2	EA	\$	265.00	E	\$	530	\$	31	1.45	E	2.90	\$	90	\$	620
	Fixture Clamp	8	0%	8	EA	\$	2.45	E	\$	20	\$	31	0.1	E	0.80	\$	25	\$	44
	#12 Hanger Wire, 3FT	8	0%	8	EA	\$	1.35	E	\$	11	\$	31	0.125	E	1.00	\$	31	\$	42
3	B: 2'X2' Lay-In Troffer Fixture With Cold-Rolled Steel Construction, Frosted Polycarbonate Lens, 2,676 Lumen Output And (1) One 0-10V Dimming Driver, RAB LIGHTING SWISH2X2-19YN/D10	7	0%	7	EA	\$	152.20	E	\$	1,065	\$	31	0.852	E	5.96	\$	185	\$	1,250
	Fixture Clamp	28	0%	28	EA	\$	2.45	E	\$	69	\$	31	0.1	E	2.80	\$	87	\$	155
	#12 Hanger Wire, 3FT	28	0%	28	EA	\$	1.35	E	\$	38	\$	31	0.125	E	3.50	\$	109	\$	146
4	B/EM: 2'X2' Lay-In Troffer Fixture With Cold-Rolled Steel Construction, Frosted Polycarbonate Lens, 2,676 Lumen Output, (1) One 0-10V Dimming Driver And Emergency Battery Backup, RAB LIGHTING SWISH2X2-19YN/D10/E2	1	0%	1	EA	\$	195.32	E	\$	195	\$	31	1.2	E	1.20	\$	37	\$	233
	Fixture Clamp	4	0%	4	EA	\$	2.45	E	\$	10	\$	31	0.1	E	0.40	\$	12	\$	22
	#12 Hanger Wire, 3FT	4	0%	4	EA	\$	1.35	E	\$	5	\$	31	0.125	E	0.50	\$	16	\$	21
5	B1: 2'X2' Lay-In Troffer Fixture With Cold-Rolled Steel Construction, Frosted Polycarbonate Lens, 3,537 Lumen Output And (1) One 0-10V Dimming Driver, RAB LIGHTING EZPAN2X2-30YN/D10	1	0%	1	EA	\$	152.20	E	\$	152	\$	31	0.852	E	0.85	\$	26	\$	179
	Fixture Clamp	4	0%	4	EA	\$	2.45	E	\$	10	\$	31	0.1	E	0.40	\$	12	\$	22
	#12 Hanger Wire, 3FT	4	0%	4	EA	\$	1.35	E	\$	5	\$	31	0.125	E	0.50	\$	16	\$	21
6	C: 6" Diameter Recessed Ic Air-Tite Fixture With Aluminum Construction And Matte White Trim Ring, HALO HOUSING: H750ICAT TRIM: LTS60WH12930	2	0%	2	EA	\$	32.65	E	\$	65	\$	31	0.752	E	1.50	\$	47	\$	112
7	D: 2" Round Adjustable Led Downlight, H.E. WILLIAMS 2AR-L7-9-27-DIM-UNV-R-W-OF-WH-XX-N	1	0%	1	EA	\$	65.98	E	\$	66	\$	31	0.8852	E	0.89	\$	27	\$	93
8	EM1: Surface Mounted Emergency Lighting Unit With Two Square White Thermoplastic Lamp Heads, White Thermoplastic Housing And Nickel Cadmium Battery, LITHONIA EU2C M6 Note: Wall Or Ceiling Mount As Shown On Plans. Aim Heads As Required For Proper Illumination Along Path Of Egress. Adjust As Required Per Ahj,	1	0%	1	EA	\$	27.68	E	\$	28	\$	31	0.82	E	0.82	\$	25	\$	53
9	ER1: Weather Proof Twin Remote Led Squares, LITHONIA ERE GY T WP SQ Note: Verify Exact Finish Color With Architect And Owner Prior To Ordering	2	0%	2	EA	\$	95.85	E	\$	192	\$	31	1	E	2.00	\$	62	\$	254

10	EX1: Thermoplastic Combination Led Exit Sign With (2) 3.6V, Adjustable Led Heads, Universal Mounting, Red Letters On A White Stencil Face, Chevron Knockouts And High Output Nickel Cadmium Battery. Includes 2.5W Of Remote Capacity, LITHONIA ECC R REM M6 Note: Mounting, Number Of Faces, And Chevrons As Indicated On Plans. Verify Prior To Ordering	4	0%	4	EA	\$ 75.98	E	\$ 304	\$ 31	0.852	E	3.41	\$ 106	\$ 410
11	S: Gaze Pendant - Satan Brass Contact: Jim Ellis 972.559.6943 - Jellis@Meletio.Com Install Fixtures W/Bottom At 84" A.F.F. For 11' Ceilings; 96" A.F.F. For 11'+ Ceilings - Centered Over Pos Counter, CRAFTMADE GAZE 56892-SB-WG	4	0%	4	EA	\$ 235.25	E	\$ 941	\$ 31	1.25	E	5.00	\$ 155	\$ 1,096
12	Freezer & Cooler Light Fixture (Shipped Separately & Verify Exact Requirement With Equipment Vendor Prior To Bid)	2	0%	2	EA	\$ 298.25	E	\$ 597	\$ 31	1.2	E	2.40	\$ 74	\$ 671
13	B1/EM: 2'X2' Lay-In Troffer Fixture With Cold-Rolled Steel Construction, Frosted Polycarbonate Lens, 3,537 Lumen Output And (1) One 0-10V Dimming Driver And Emergency Battery Backup, RAB LIGHTING EZPAN2X2-30YN/D10	0	0%	0	EA	\$ 152.20	E	\$ -	\$ 31	0.852	E	0.00	\$ -	\$ -
LIGHTING CONTROLS														
1	4-Pole Mech Held Lighting Control Relay, NEMA1 Enclosure With Line Voltage Coil & Auxiliary Module, ASCO 917 Series, HUBBEL, P&S, LEVITON	1	0%	1	EA	\$ 139.65	E	\$ 140	\$ 31	0.852	E	0.85	\$ 26	\$ 166
2	6-Pole Mech Held Lighting Control Relay, NEMA1 Enclosure With Line Voltage Coil & Auxiliary Module, ASCO 917 Series, HUBBEL, P&S, LEVITON	1	0%	1	EA	\$ 210.25	E	\$ 210	\$ 31	1.2	E	1.20	\$ 37	\$ 247
3	24 Hr. Timeclock, HUBBEL, P&S, LEVITON	2	0%	2	EA	\$ 170.65	E	\$ 341	\$ 31	1	E	2.00	\$ 62	\$ 403
4	Photocell, HUBBEL, P&S, LEVITON	1	0%	1	EA	\$ 38.52	E	\$ 39	\$ 31	0.52	E	0.52	\$ 16	\$ 55
5	Single Pole Switch, HUBBEL, P&S, LEVITON	2	0%	2	EA	\$ 7.25	E	\$ 15	\$ 31	0.288	E	0.58	\$ 18	\$ 32
6	Switch bank With (2) 3-Way Switch & (1) Single Pole Switch & (1) 0-2HR Rotary Override Switch, HUBBEL, P&S, LEVITON	1	0%	1	EA	\$ 185.62	E	\$ 186	\$ 31	1.5	E	1.50	\$ 47	\$ 232
FIRE ALARM (FIRE ALARM SCOPE OF WORK SHALL BE BASED ON A DEFERRED SUBMITTAL BY THE LICENSED ALARM CONTRACTOR)														
CONDUITS														
1	3/4" EMT Conduit	187.15	10%	206	FT	\$ 165.00	C	\$ 340	\$ 31	6.5	C	13.38	\$ 415	\$ 754
CONDUCTORS														
1	#12 CU THHN/THWN	374.3	10%	412	FT	\$ 221.25	M	\$ 91	\$ 31	12.15	M	5.00	\$ 155	\$ 246
DEVICES														
1	Remote Test Station	2	0%	2	EA	\$ 320.00	E	\$ 640	\$ 31	1.85	E	3.70	\$ 115	\$ 755
2	Stand Alone Duct Type Smoke Detector	2	0%	2	EA	\$ 198.20	E	\$ 396	\$ 31	1.2	E	2.40	\$ 74	\$ 471
TELECOMMUNICATION														
CONDUITS														
1	1" EMT Conduit	137	10%	151	FT	\$ 241.00	C	\$ 363	\$ 31	7	C	10.55	\$ 327	\$ 690
2	1" PVC SCH 40 Conduit	29	10%	32	FT	\$ 120.00	C	\$ 38	\$ 31	7	C	2.23	\$ 69	\$ 108
CONDUCTORS														
1	CAT6 Cable	332	10%	365	FT	\$ 320.00	M	\$ 117	\$ 31	5	M	1.83	\$ 57	\$ 173
DEVICES														
1	1-Port Data Outlet	1	0%	1	EA	\$ 31.98	E	\$ 32	\$ 31	0.32	E	0.32	\$ 10	\$ 42
	1-Port Faceplate	1	0%	1	EA	\$ 4.47	E	\$ 4	\$ 31	0.1	E	0.10	\$ 3	\$ 8
	CAT6 Jack	2	0%	2	EA	\$ 3.15	E	\$ 6	\$ 31	0.1	E	0.20	\$ 6	\$ 13
	Back Box	1	0%	1	EA	\$ 6.93	E	\$ 7	\$ 31	0.12	E	0.12	\$ 4	\$ 11
2	1-Port Data Outlet, Mounted To Millwork	1	0%	1	EA	\$ 35.28	E	\$ 35	\$ 31	0.388	E	0.39	\$ 12	\$ 47
	1-Port Faceplate	1	0%	1	EA	\$ 4.47	E	\$ 4	\$ 31	0.1	E	0.10	\$ 3	\$ 8
	CAT6 Jack	2	0%	2	EA	\$ 3.15	E	\$ 6	\$ 31	0.1	E	0.20	\$ 6	\$ 13
	Back Box	1	0%	1	EA	\$ 6.93	E	\$ 7	\$ 31	0.12	E	0.12	\$ 4	\$ 11
3	2-Port Data Outlet	3	0%	3	EA	\$ 39.38	E	\$ 118	\$ 31	0.388	E	1.16	\$ 36	\$ 154
	2-Port Faceplate	3	0%	3	EA	\$ 5.25	E	\$ 16	\$ 31	0.12	E	0.36	\$ 11	\$ 27
	CAT6 Jack	12	0%	12	EA	\$ 3.15	E	\$ 38	\$ 31	0.1	E	1.20	\$ 37	\$ 75
	Back Box	3	0%	3	EA	\$ 8.97	E	\$ 27	\$ 31	0.15	E	0.45	\$ 14	\$ 41
4	2-Port Data Outlet, Mounted To Millwork	2	0%	2	EA	\$ 39.38	E	\$ 79	\$ 31	0.388	E	0.78	\$ 24	\$ 103
	2-Port Faceplate	2	0%	2	EA	\$ 5.25	E	\$ 11	\$ 31	0.12	E	0.24	\$ 7	\$ 18
	CAT6 Jack	8	0%	8	EA	\$ 3.15	E	\$ 25	\$ 31	0.1	E	0.80	\$ 25	\$ 50
	Back Box	2	0%	2	EA	\$ 8.97	E	\$ 18	\$ 31	0.15	E	0.30	\$ 9	\$ 27
5	3-Port Data Outlet	2	0%	2	EA	\$ 46.80	E	\$ 94	\$ 31	0.42	E	0.84	\$ 26	\$ 120
	3-Port Faceplate	2	0%	2	EA	\$ 6.30	E	\$ 13	\$ 31	0.152	E	0.30	\$ 9	\$ 22
	CAT6 Jack	12	0%	12	EA	\$ 3.15	E	\$ 38	\$ 31	0.1	E	1.20	\$ 37	\$ 75
	Back Box	2	0%	2	EA	\$ 8.97	E	\$ 18	\$ 31	0.15	E	0.30	\$ 9	\$ 27
6	6-Port Data Outlet	1	0%	1	EA	\$ 68.97	E	\$ 69	\$ 31	0.588	E	0.59	\$ 18	\$ 87
	6-Port Faceplate	1	0%	1	EA	\$ 13.80	E	\$ 14	\$ 31	0.2	E	0.20	\$ 6	\$ 20
	CAT6 Jack	12	0%	12	EA	\$ 3.15	E	\$ 38	\$ 31	0.1	E	1.20	\$ 37	\$ 75
	Back Box	1	0%	1	EA	\$ 13.35	E	\$ 13	\$ 31	0.3	E	0.30	\$ 9	\$ 23
7	24"X24"X36" Fire Retardant Backboard	1	0%	1	EA	\$ 68.97	E	\$ 69	\$ 31	0.52	E	0.52	\$ 16	\$ 85
8	Data Rack, Wall Mounted, TRIPP LITE 9U	1	0%	1	EA	\$ 472.49	E	\$ 472	\$ 31	1.5	E	1.50	\$ 47	\$ 519
	Bakery Network Switch	1	0%	1	EA	\$ 1,947.00	E	\$ 1,947	\$ 31	2.85	E	2.85	\$ 88	\$ 2,035
	Cisco/Merzaki Z3 Firewall (Manage By Toast)	1	0%	1	EA	\$ 1,815.00	E	\$ 1,815	\$ 31	2.5	E	2.50	\$ 78	\$ 1,893
	ISP Modem/Router	1	0%	1	EA	\$ 348.38	E	\$ 348	\$ 31	1	E	1.00	\$ 31	\$ 379
	Patch Panel	1	0%	1	EA	\$ 682.50	E	\$ 683	\$ 31	1.85	E	1.85	\$ 57	\$ 740
	Toast Network Switch	1	0%	1	EA	\$ 831.00	E	\$ 831	\$ 31	2.1	E	2.10	\$ 65	\$ 896
	UPS (by Other)	1	0%	1	EA			\$ -	\$ 31			0.00	\$ -	\$ -

AUDIO & VISUAL														
	CONDUITS													
1	3/4" EMT Conduit	44	10%	48	FT	\$ 165.00	C	\$ 79	\$ 31	6.5	C	3.12	\$ 97	\$ 176
2	1-1/2" PVC SCH 40 Conduit	14	10%	15	FT	\$ 120.00	C	\$ 18	\$ 31	8.75	C	1.31	\$ 41	\$ 59
	CONDUCTORS													
1	2#18 Cable	44	10%	48	FT	\$ 450.00	M	\$ 22	\$ 31	9	M	0.43	\$ 13	\$ 35
2	CAT6 Cable	14	10%	15	FT	\$ 320.00	M	\$ 5	\$ 31	5	M	0.08	\$ 2	\$ 7
	DEVICES													
1	Digital Screen	1	0%	1	EA	\$ 699.25	E	\$ 699	\$ 31	1.85	E	1.85	\$ 57	\$ 757
2	Speaker, Ceiling Mounted (Provided By Owner)	2	0%	2	EA	\$ 120.50	E	\$ 241	\$ 31	1.2	E	2.40	\$ 74	\$ 315
							E							
MISCELLANEOUS														
1	7-Day Programmable Thermostat With Remote Sensor	2	0%	2	EA	\$ 37.45	E	\$ 75	\$ 31	0.852	E	1.70	\$ 53	\$ 128
2	Junction Box	9	0%	9	EA	\$ 4.98	E	\$ 45	\$ 31	0.32	E	2.88	\$ 89	\$ 134
3	Junction Box, Ceiling Mounted For Speaker	2	0%	2	EA	\$ 7.25	E	\$ 15	\$ 31	0.42	E	0.84	\$ 26	\$ 41
4	Junction Box, WP For Exterior Sign	1	0%	1	EA	\$ 7.25	E	\$ 7	\$ 31	0.42	E	0.42	\$ 13	\$ 20
5	Remote Sensor/Humidistat Combo	2	0%	2	EA	\$ 78.65	E	\$ 157	\$ 31	1	E	2.00	\$ 62	\$ 219
FIRESTOPPING														
1	Caulking Sealant	1	0%	1	LS	\$ 652.00	E	\$ 652	\$ 31	5	E	5.00	\$ 155	\$ 807
SAW CUT														
1	Saw Cut & Repair Concrete Floor For Conduit Installation	29	0%	29	FT	\$ 320.00	M	\$ 9	\$ 31	5	M	0.15	\$ 4	\$ 14
TRENCHING & BACKFILLING														
1	Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment	200	0%	200	CFT	\$ -	E	\$ -	\$ 31	0.185	E	37.00	\$1,147	\$ 1,147
ALLOWANCES (PLEASE ADD YOUR NUMBER)														
1	Temporary Power & Lighting	1900	0%	1900	SFT		E	\$ -	\$ 31		E	0.00	\$ -	\$ -
2	Mobilization and Demobilization	1	0%	1	LS		E	\$ -	\$ 31		E	0.00	\$ -	\$ -
3	Permit and Utility Fees	1	0%	1	LS		E	\$ -	\$ 31		E	0.00	\$ -	\$ -
4	As Built Documents/Submittals	1	0%	1	LS		E	\$ -	\$ 31		E	0.00	\$ -	\$ -
5	Arc Flash Study	1	0%	1	LS		E	\$ -	\$ 31		E	0.00	\$ -	\$ -
6	Protection Devices Coordination Study	1	0%	1	LS		E	\$ -	\$ 31		E	0.00	\$ -	\$ -
7	Testing and Commissioning	1	0%	1	LS		E	\$ -	\$ 31		E	0.00	\$ -	\$ -
8	Tags & Directory	1	0%	1	LS		E	\$ -	\$ 31		E	0.00	\$ -	\$ -
9	Lifts/Crane	1	0%	1	LS		E	\$ -	\$ 31		E	0.00	\$ -	\$ -
10	Final Clean Up & Housekeeping	1	0%	1	LS		E	\$ -	\$ 31		E	0.00	\$ -	\$ -
11	Core Drill	1	0%	1	LS		E	\$ -	\$ 31		E	0.00	\$ -	\$ -
TOTAL MATERIAL COST													\$	100,640
TOTAL LABOR COST													\$	21,727
TOTAL LABOR HOURS														701
TOTAL COST													\$	122,367
OVERHEADS & PROFIT 40%													\$	48,947
MATERIAL TAX 7%													\$	7,045
TOTAL BID													\$	178,358
SCOPE OF ESTIMATE:														
I	SUPPLY & INSTALLATION													
1	Distribution													
2	Receptacles & Switches													
3	Lighting & Lighting Controls													
4	Fire Alarm													
5	Telecommunication													
6	Audio & Visual													
7	Miscellaneous													
8	Fire Stopping													
9	Saw Cut													
10	Trenching & Backfilling													
11	Allowances													
II	NOTES													
2														



- AV: Speaker, Ceiling Mounted (Provided By Owner)
- A/VV: 2818 Cable
- LC: 4 Pole Mech Held Lighting Control Relay, NEMA1 Enclosure With Line Voltage Coil & Auxiliary 6-Pole Mech Held Lighting Control Relay, NEMA1 Enclosure With Line Voltage Coil & Auxiliary
- LC: 24 Hr Timeclock
- LC: PhotoCell
- LC: Single Pole Switch
- LC: Switchbank With (2) 3-Way Switch & (1) Single Pole Switch & (1) 0-2HR Relay Override Switch
- LF: A
- LF: AEMNL
- LF: B
- LF: B NL
- LF: B1
- LF: C
- LF: D
- LF: EM1
- LF: ER1
- LF: EX1
- LF: Freezer & Cooler Light Fixture (Shipped Separately & Verify Exact Requirement With Equipment Manufacturer)
- LF: S
- LWB 288, #10, 1" EMT Conduit
- LWB 3610, 3/4" EMT Conduit
- LWH 288, #10, 1" EMT Conduit
- LWH 3810, 3/4" EMT Conduit
- LWV 3610, 3/4" EMT Conduit

- SCO 91... 1.0 EA

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• TELE: Data Rack, Wall Mounted, TRIPP LITE 9U

1.0 EA



KITCHEN EQUIPMENT PLAN
SCALE 1/4" = 1'-0"

KITCHEN EQUIPMENT SCHEDULE

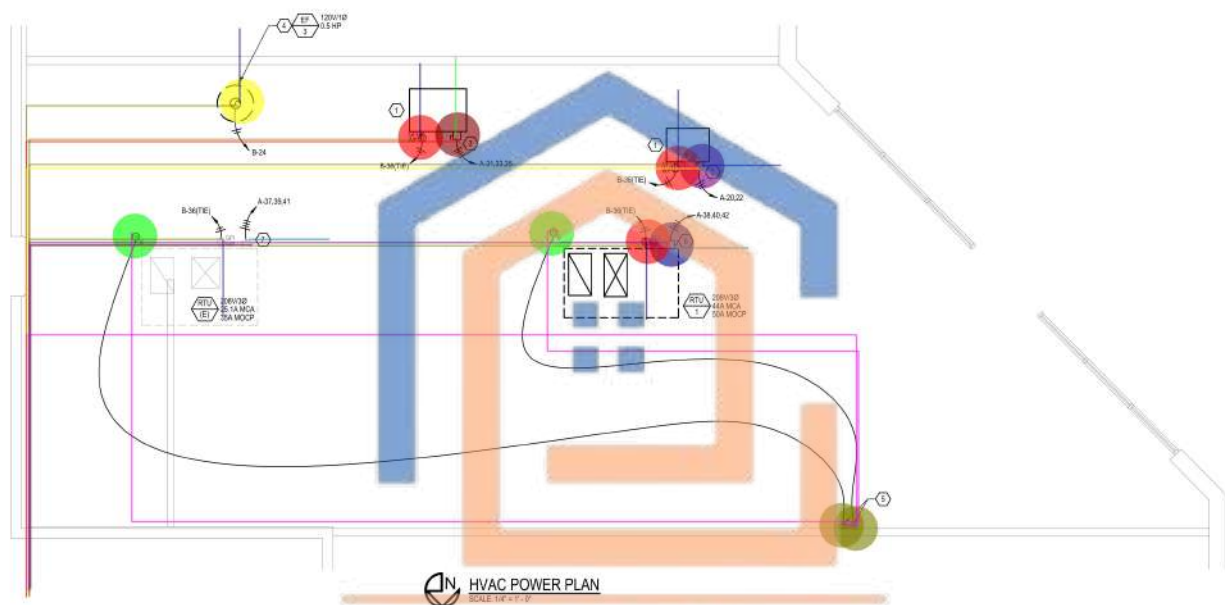
ITEM	DESCRIPTION	VOLTAGE AND PHASE	KW	HP	AMPS	CONNECTION	HEIGHT	NOTES
1	WALK-IN CHILLER	120V-1Ø	1.2	-	10.0	DIRECT	CEILING	LIGHTS/WINDOW HEATER HEATED AIR VENT DOOR HEATER
1.1.1	EVAPORATOR COIL - CHILLER	208V-1Ø	2.5	-	11.8	DIRECT	CEILING	E.G. TO RUN (SEE WIRE IN CONDUIT TO #1.1.2)
1.1.2	PRE-ASSEMBLED REMOTE CONDENSER - CHILLER	208V-3Ø	10.5	6.0	25.0	DIRECT	ROOF	VERIFY LOCATION ON BUILDING ROOF (REFER TO E22)
1.1	WALK-IN COOLER	120V-1Ø	1.2	-	10.0	DIRECT	CEILING	LIGHTS / WINDOW HEATER / HEATED AIR VENT
1.1.2	EVAPORATOR COIL - COOLER	120V-1Ø	0.2	-	1.6	DIRECT	CEILING	E.G. TO RUN (SEE WIRE IN CONDUIT TO #1.1)
1.2.2	PRE-ASSEMBLED REMOTE CONDENSER - COOLER	208V-1Ø	3.2	-	13.0	DIRECT	ROOF	VERIFY LOCATION ON BUILDING ROOF (REFER TO E22)
2	DOUBLE RACK OVEN	208V-3Ø	5.4	-	13.0	DIRECT	CEILING	-
3	WATER DISPENSER	120V-1Ø	0.6	4.0	-	DIRECT	24"	SEE SHEET E20 FOR MORE INFORMATION
4	REFRIGERATED DISPLAY CASE	115V-1Ø	1.2	10	-	NEHA 5-100	24"	STATE ELECTRICAL AT NEW 90° - 100° SW
5	WATER COOLER	120V-1Ø	1.0	-	-	NEHA 5-100	24"	-
6	WATER COOLER DISPENSER	120V-1Ø	0.4	-	-	NEHA 5-100	24"	-
7	WATER HEATER	120V-1Ø	-	-	-	DIRECT	24"	-
8	DATA RACK ABOVE	120V-1Ø	-	-	-	DIRECT	24"	-
9	POINT OF SALES TERMINAL	120V-1Ø	0.7	4.5	-	NEHA 5-100	24"	-
10	ALL-IN-ONE MACHINE	120V-1Ø	-	-	-	NEHA 5-100	24"	-
11	COMPUTER	120V-1Ø	-	-	-	NEHA 5-100	24"	-
12	PRINTER	120V-1Ø	-	-	-	NEHA 5-100	24"	-
13	OUTLET/RESEAL: 1000 PUMP & SCALE	120V-1Ø	1.0	10.0	-	NEHA 5-100	24"	-
14	MICROWAVE	120V-1Ø	1.8	-	13.4	NEHA 5-100	80"	-
15	MICROWAVE - PROVIDED BY OWNER	120V-1Ø	1.2	-	-	NEHA 5-100	80"	-
16	REFRIGERATED WORK TOP TABLE	120V-1Ø	1.0	-	8.0	NEHA 5-100	24"	-
17	VENTILATION/EXHAUST SYSTEM	208V-3Ø	-	-	-	DIRECT	BELOW CEILING	DISCONNECT JUST BELOW CEILING SLIGHTLY TO THE L
18	TABLETOP MAJOR	120V-1Ø	5.1	10	9.0	NEHA 5-100	48"	VERIFY EXACT REQUIREMENTS WITH OWNER

FIELD VERIFY ALL KITCHEN EQUIPMENT CONNECTIONS AND REQUIREMENTS PRIOR TO ROUGH-IN AND INSTALLATION OF DEVICES. VERIFY ALL DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH FOOD SERVICE CONTRACTOR. MAKE ADJUSTMENTS IN FIELD TO MATCH ACTUAL EQUIPMENT BEING INSTALLED AS DIRECTED BY THE FOOD SERVICE CONTRACTOR.

INSTALL STANDARD RECEPTACLES FOR CIRCUITS DEDICATED TO SPECIFIC EQUIPMENT SUBJECT TO THE APPROVAL OF CODE ENFORCING AGENCY.

KITCHEN ELECTRICAL NOTES

- ALL COVERPLATES AND DISCONNECT SWITCHES IN KITCHEN AREA SHALL BE STAINLESS STEEL.
- ALL ELECTRICAL WORK FOR FOOD SERVICE EQUIPMENT SHALL BE COMPLETELY INTERFERED BY ELECTRICAL CONTRACTOR. FINAL CONNECTIONS TO EQUIPMENT JUNCTION BOX OR PULL BOX AND ALL ELECTRICAL WORK FROM PANEL BOARDS, TO BE BY THE ELECTRICAL CONTRACTOR.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL ROUGH-IN AND FINAL CONNECTION TO THE FOOD SERVICE EQUIPMENT. ALL WORK TO BE IN COMPLIANCE WITH ALL NATIONAL, STATE AND LOCAL CODES APPLICABLE.
- VERIFY OUTLET RATINGS AND CONFIGURATION WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- VERIFY EXACT LOCATION AND MOUNTING HEIGHTS OF ALL OUTLETS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. E.C. SHALL MAKE ADJUSTMENTS IN FIELD TO MATCH ACTUAL EQUIPMENT BEING INSTALLED, AS DIRECTED BY THE EQUIPMENT SUPPLIER.
- ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ALL PLUGS AND CORDS REQUIRED. ALL CORDS SHALL BE NEMA RATED AND UL APPROVED FOR MANUFACTURER AND EQUIPMENT.
- ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ALL JUNCTION BOXES, PVC OR METAL, CONDUIT, CONDUIT FITTINGS, AND ALL OTHER ACCESSORIES THAT ARE NOT AN INTEGRAL PART OF THE FOOD SERVICE EQUIPMENT. BE REQUIRED TO MAKE FINAL CONNECTIONS TO THE FOOD SERVICE EQUIPMENT FOR A COMPLETE AND FUNCTIONAL OPERATION MEETING ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND ORDINANCES.
- ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ALL DISCONNECTS OR CIRCUIT BREAKERS AS REQUIRED BY CODES FOR EACH CONNECTION. COORDINATE LOCATION WITH THE KITCHEN EQUIPMENT CONTRACTOR.
- ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL WALL SWITCH FOR FACTORY INSTALLED WORKING LIGHTS IN EXHAUST VENTILATOR HOODS PER APPLICABLE STATE AND LOCAL CODES APPLICABLE. ELECTRICAL CONTRACTOR SHALL PROVIDE WIRE AND CONNECTION TO EACH LIGHT FIXTURE. THE ELECTRICAL CONTRACTOR SHALL FULLY CONCEAL ALL WIRING BETWEEN POWER SOURCE, WALL SWITCH, AND JUNCTION BOX ON HOOD. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY WIRING OF LIGHT FIXTURES BETWEEN VENTILATOR HOOD SECTIONS AS REQUIRED. ALL WIRING WITHIN HOOD AND POWER SOURCE TO BE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, NFPA 70 AND ALL OTHER APPLICABLE CODES.
- IN ACCORDANCE WITH NFPA 70E AND MANUFACTURER'S RECOMMENDATIONS, THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A PUSH BUTTON STATION WITH PILOT LIGHT FOR VENTILATOR FAN MOTOR(S). THE ELECTRICAL CONTRACTOR IS TO BE RESPONSIBLE FOR, AND TO PROVIDE ALL REQUIRED WIRING FROM POWER SUPPLY THROUGH FAN SWITCH TO FAN MOTOR(S) AND PROVIDE MAGNETIC STARTERS AND FULLY INTERWIRE SYSTEM WITH ALL POWER INTERRUPTION DEVICES (BUILT INTO HOOD AND FIRE PROTECTION SYSTEM AS REQUIRED BY NFPA 70E, NATIONAL, STATE AND/OR LOCAL CODES APPLICABLE. ELECTRICAL CONTRACTOR TO PROVIDE LOCK-OUT DEVICES ON CONTROL BOXES FOR EXHAUST HOOD FANS, SYSTEM AND FIRE PROTECTION SYSTEM.
- ELECTRICAL CONTRACTOR SHALL INTERWIRE THROUGH TIME CLOCK FOR LOW TEMPERATURE COMPRESSOR AND WALK-IN EQUIPMENT TO LOWER COIL FAN MOTORS AND DEFROST ELEMENT POWER SOURCE AS PART OF MAIN POWER SOURCE. PROVIDE ALL WIRING AND CONDUIT WITH DISCONNECT. (VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER).
- ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL CONNECTION TO A JUNCTION BOX MOUNTED ON TOP OF A PREFABRICATED REFRIGERATOR AND/OR FREEZER WALL AT APPROXIMATELY 8'-0" AFF. INTERWIRE THE LIGHT ADJACENT TO THE DOOR WITH THE FACTORY MOUNTED LIGHT SWITCH. ALL CONDUIT SHALL BE RUN EXPOSED ON TOP OF WALK-IN. NO EXPOSED CONDUIT WILL BE ALLOWED ON INSIDE OF WALK-IN. ELECTRICAL SERVICE REQUIRED FOR WALK-IN SHALL BE AS SHOWN FOR LIGHTS, DOOR AND DOOR FRAME HEATER, THRESHOLD PLATE HEATERS (WHERE SPECIFIED), HEATED PRESSURE RELIEF PORT ON FREEZERS, AND ALARM SYSTEMS (WHERE SPECIFIED). (VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER).
- ELECTRICAL CONTRACTOR TO PROVIDE THE REQUIRED POWER SUPPLY AND TO FULLY INTERWIRE TO ANY ADDITIONAL COMPONENTS. INCLUDE THE PROPER SIZE DISCONNECTS OR CIRCUIT BREAKERS. ALL WIRING FOR LOW AND MEDIUM TEMPERATURE CONDENSING UNIT TO BE ROUTED THROUGH DEFROST TIME CLOCK AND THEN WIRE TO EVAPORATOR COIL FOR PROPER POWER SUPPLY WITH THE REQUIRED QUANTITY OF WIRES. THE EVAPORATOR COIL DEFROST HEATER AND FAN MOTOR VOLTAGES AND LOADS ARE AS NOTED ON PLANS. VERIFY LOCATION OF COMPRESSORS AND COORDINATE WITH REFRIGERATION CONTRACTOR FOR FINAL CONNECTIONS. (VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER).
- ALL SINGLE-PHASE RECEPTACLES RATED 120 VOLTS TO GROUND OR LESS, 15 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 208 VOLTS TO GROUND OR LESS, 150 AMPERES OR LESS INSTALLED IN LOCATIONS IDENTIFIED IN 210.8(B)(1) THRU (10) SHALL HAVE GROUND-Fault CIRCUIT INTERRUPTER PROTECTION FOR PERSONNEL. WHERE DEVICE IS READILY ACCESSIBLE THE DEVICE SHALL BE PROVIDED WITH INTEGRAL GROUND FAULT PROTECTION. WHERE DEVICE IS NOT READILY ACCESSIBLE AND/OR NOT AVAILABLE WITH INTEGRAL GROUND FAULT PROTECTION, THE BRANCH CIRCUIT BREAKER SERVING THE DEVICE(S) SHALL BE GROUND FAULT TYPE. GFCI RECEPTACLES MUST BE ACCESSIBLE FOR RESET.



CONCEPT ESTIMATE

GENERAL NOTES:

1. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK PRIOR TO SUBMITTING BID. VISIT JOB SITE TO OBSERVE THE EXISTING CONDITIONS OF THE PROJECT REVIEW GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. INSTALLATION OF EQUIPMENT SHALL COMPLY WITH EQUIPMENT MANUFACTURER'S INSTALLATION AND CLEARANCE REQUIREMENT TO ALLOW FOR INSPECTION, SERVICE, REPAIR OR REPLACEMENT.
3. CONTRACTOR SHALL COMPLY WITH ALL LANDLORDS' TENANT CRITERIA, COORDINATE AND SCHEDULE ALL WORK WITH LANDLORDS' FIELD REPRESENTATIVE.

CODED NOTES:

- CONSIDERS FOR WALK-IN COOLER AND FREEZER PLACES FOR
REPLACEMENT ONLY. FURNISHED AND INSTALLED BY APPROVED
VENDOR. SEE VENDOR FOR MORE INFORMATION. SEE CHANGAL SHEET
FOR COMPLETE VERIFY EACH LOCATION POINT TO ROUGH-IN.
1. INCLUDE MINE IN: 6/4 DISCONNECT SWITCH WITHIN 15A FUSE
2. INCLUDE MINE IN: 6/4 DISCONNECT SWITCH WITHIN 15A FUSE
3. SEE OTHER EXHAUST FAN RECORDS IN CHANGAL SHEET IN
FOR MORE INFORMATION.
4. LOCATION OF REMOTE TEST STATION: VERIFY LOCATION WITH
ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
5. FACTORY PROVIDED DISCONNECT SWITCH
EXISTING SITE TO REMOVE: REMOVE ALL EXISTING ASSOCIATED
DEVICES AND EQUIPMENT AS APPLICABLE. EXTENDING EXISTING WIRE
AND CONDUIT AND SHORTS EXPOSED ON PLAIN WIRE.
CONDUIT SHALL BE INSTALLED IN ACCORDANCE WITH CODES AND
REPLACE WIRE AS REQUIRED. LIMITED EXISTING EQUIPMENT AND
MATERIALS TO BE REMOVED. THE TYPE OF THE WIRE TO BE
REMOVED SHALL BE DETERMINED BY THE TYPE OF THE WIRE. NO EXCEPTION.
E.G. SMALL CONDUIT CANNOT BE REMOVED AND CANNOT FOR A
CONSTRUCTION CODE. THE TYPE OF THE WIRE TO BE REMOVED
WIRE, CONDUIT, ETC. SHALL NOT BE INCONSISTENT WITH PROPOSED
CONDITIONS. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

- FA: Remote Test Station
- DISC: 3P/50A Disconnect (Factory Provided)
- DISC: 2P/30A Disconnect Switch With (2) 15A Fuses, NEMA 3R
- P: GFCI Duplex Receptacle, WP
- FA: Stand Alone Dual Type Smoke Detector
- P: Ex/gust Fan Connection
- DISC: 3P/60A Disconnect Switch With (3) 45A Fuses, NEMA 3R
- PWH: 3#10, 3/4" EMT Conduit
- PWH: 3#10, 3/4" RGS Conduit
- DISCW: 3#8, #10, 1" EMT Conduit
- DISCW: 3#8, #10, 1" RGS Conduit
- DISCW: 3#8, #10, 1" EMT Conduit
- DISCW: 3#8, #10, 1" RGS Conduit
- DISCW: 3#10, 3/4" EMT Conduit
- DISCW: 3#10, 3/4" RGS Conduit
- FW: 2#16 PLPL Cable, 3/4" EMT Conduit

- 2.0 EA
1.0 EA
1.0 EA
3.0 EA
2.0 EA
1.0 EA
1.0 EA
265.4 FT
24.7 FT
99.5 FT
10.0 FT
57.0 FT
5.0 FT
70.6 FT
5.1 FT
187.2 FT

N.I.A.

IMAT

