



Bill of Materials

Project: New Warehouse
Address: Grand Parkway & West Rd, Cypress (North Katy), TX 77433

Labor Rate: \$ 94.68

Estimate: \$ 1,636,279.81
Floor Area: 161640.00 SF

REF	ITEM	QUANTITY	UNIT	PRODUCTION RATE	LABOR HOURS	LABOR RATE	MATERIAL RATE	EQUIPMENT RATE	LABOR COSTS	MATERIAL COSTS	EQUIPMENT COSTS	SALES TAX	LABOR MARK-UP	MATERIAL MARK-UP	TOTAL COST
1	GENERAL REQUIREMENTS								\$	\$	\$	125,000.00			\$ 125,000.00
	General Conditions & Mobilization Allowance (Assumed) - Assumed to be 8-10% of construction cost	1.00	LS	0.00	0.00	0.00	0.00	125,000.00							125,000.00
26	ELECTRICAL								\$ 341,035.77	\$ 599,381.53	\$ 3,040.00				\$ 1,216,212.96
	Allowance of Wiring & Conduit	161,444.00	SF	0.00	552.71	0.31	0.33	0.00	50,655.96	52,731.00		3,295.69	25%	25%	132,629.40
	GRAND PKWY & WEST RD CYPRESS, TX 77433														
Site	Weather Proof Junction Box	32.00	EA	0.98	31.36	88.82	98.99	0.00	2,874.14	3,167.68		197.98	25%	25%	7,750.26
	Weatherproof Duplex Receptacle	5.00	EA	0.32	1.62	29.69	30.10	0.00	148.47	150.50		9.41	25%	25%	383.12
	Junction Box	3.00	EA	0.78	2.34	71.49	67.22	0.00	214.46	201.66		12.60	25%	25%	532.76
	Utility Transformer	1.00	EA	14.80	14.80	1,356.42	8,999.10	0.00	1,356.42	8,999.10		862.44	25%	25%	13,806.84
	Irrigation Controller	1.00	EA	1.09	1.09	99.90	349.44	0.00	99.90	349.44		21.84	25%	25%	583.51
	Transformer Provided by Power CO, E.C.	1.00	EA	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0		0	
	#8, 1" PVC Conduit	4,997.54	LF	0.08	404.80	7.42	3.87	0.00	37,099.99	19,340.48		1,208.78	25%	25%	71,759.36
Lighting	(P1) Site Pole Light Fixture - Single Head TYPE: Exterior Site Lighting Fixture Manu: COOPER LIGHTING Model: GALN-SA88-740-LI-SWQ-BZ	31.00	EA	4.35	134.85	398.68	1,354.70	76.00	12,359.00	41,995.70	2,356.00	2,771.98	25%	25%	73,071.36
	(P1) Site Pole Light Fixture - Multi Head TYPE: Exterior Site Lighting Fixture Manu: COOPER LIGHTING Model: GALN-SA88-740-LI-SL-3-BZ	4.00	EA	4.35	17.40	398.68	1,782.00	76.00	1,594.71	7,128.00	304.00	464.50	25%	25%	11,671.89
	(P2) Site Pole Light Fixture - Multi Head (HSS Arm) TYPE: Exterior Site Lighting Fixture Manu: COOPER LIGHTING Model: GALN-SA88-740-LI-SL-4-HSS-BZ	3.00	EA	4.35	13.05	398.68	1,782.00	76.00	1,196.03	5,346.00	228.00	348.38	25%	25%	8,753.92
	(P3) Site Pole Light Fixture - Triple Head TYPE: Exterior Site Lighting Fixture Manu: COOPER LIGHTING Model: GALN-SA88-740-LI-T3R-BZ	2.00	EA	4.35	8.70	398.68	1,354.70	76.00	797.36	2,709.40	152.00	178.84	25%	25%	4,714.28
	(LF-A) Highway Light Fixture TYPE: Highway LED Luminaire Manu: ILLUMADYNE Model: IG2-130-UNV-S16-MG-80-4000-SYN	592.00	EA	0.86	509.12	78.82	220.46	0.00	46,660.85	130,509.95		8,156.87	25%	25%	229,620.37
	(LF-B) Wall Pack Light Fixture - Type B TYPE: Exterior Wall Pack Manu: LITHONIA Model: DSXW2 P6 40K 70CRI 2M MVOLT SRM DDBXD	27.00	EA	1.12	30.24	102.65	1,027.00	0.00	2,771.50	27,729.00		1,733.06	25%	25%	39,858.68
	(LF-B1) Wall Pack Light Fixture - Type B1 TYPE: Exterior Wall Pack Manu: LITHONIA Model: DSXW2 P6 40K 70CRI 2M MVOLT SRM DDBXD	2.00	EA	1.12	2.24	102.65	1,027.00	0.00	205.30	2,054.00		128.38	25%	25%	2,952.50
	(LF-B2) Wall Pack Light Fixture - Type B2 TYPE: Exterior Wall Pack Manu: LITHONIA Model: DSXW2 P2 40K 70CRI 2M MVOLT SRM DDBXD	5.00	EA	1.12	5.60	102.65	1,027.00	0.00	513.24	5,135.00		320.94	25%	25%	7,381.24
	(LF-B3) Wall Pack Light Fixture - Type B3 TYPE: Exterior Wall Pack Manu: LITHONIA Model: DSXW1 P3 40K 70CRI 1.4M MVOLT SRM DDBXD	2.00	EA	1.12	2.24	102.65	1,027.00	0.00	205.30	2,054.00		128.38	25%	25%	2,952.50
	(LF-C) Bathroom Mirror Light TYPE: Vanity / Mirror Light Manu: LITHONIA Model: FMVCSLS-48N-MVOLT-30K35K40K (40K-90CRI-BN)	4.00	EA	0.86	3.44	78.82	252.38	0.00	315.28	1,009.52		63.10	25%	25%	1,719.09
	(LF-D) 2x4 LED Troffer Light TYPE: Recessed Troffer Light Size: 2' x 4' Manu: LITHONIA Model: ZGTL 4 G 72L LP840 LATIC	42.00	EA	0.86	36.12	78.82	267.99	0.00	3,310.40	11,255.58		703.47	25%	25%	18,910.95
	(LF-DEL) Emergency LED Troffer Light TYPE: Recessed Emergency Troffer Size: 2' x 4' Manu: LITHONIA Model: ZGTL 4 G 72L BLD LP840 EL14W LATIC Integral emergency battery pack (90 minutes, 1400 lumens), self-diagnostic system, relay, test switch, red indicator light.	12.00	EA	0.98	11.76	89.82	491.64	0.00	1,077.80	5,899.68		368.73	25%	25%	9,090.59
	(LF-F) Signage Light Fixture - Straight Arm TYPE: Signage Lighting Fixture Manu: TECHLIGHT Model: LB-X-N-XX-S-1-D-BZ	12.00	EA	0.86	10.32	78.82	360.00	0.00	945.83	4,320.00		270.00	25%	25%	6,852.29
	(LF-F1) Signage Light Fixture - Offset Arm TYPE: Signage Lighting Fixture Manu: TECHLIGHT Model: LB-X-N-XX-O-1-D-BZ	6.00	EA	0.86	5.16	78.82	360.00	0.00	472.91	2,160.00		135.00	25%	25%	3,426.14
	Provide mast arm, mounting accessories, and NEMA-3R driver enclosure (LF-F2) Signage Light Fixture - Long Arm TYPE: Signage Lighting Fixture Manu: TECHLIGHT Model: LB-X-N-XX-S-1-D-BZ	5.00	EA	0.86	4.30	78.82	360.00	0.00	394.10	1,800.00		112.50	25%	25%	2,855.12
	(LF-H) LED Flood Light TYPE: Exterior Flood Light Manu: SERCO Model: DSDL-40 CSA	4.00	EA	1.12	4.48	102.65	766.20	0.00	410.59	3,064.80		191.55	25%	25%	4,535.79
	(LF-J) Ceiling Mounted LED Fixture TYPE: Ceiling Light Fixture Manu: COOPER Model: 4WSNLED-LD4-52HL-A-UNV-L840-CD1-U	26.00	EA	0.86	22.36	78.82	300.00	0.00	2,049.29	7,800.00		487.50	25%	25%	12,799.12
	(LF-I) Ceiling Mounted LED Fixture TYPE: Ceiling Light Fixture Manu: COOPER Model: 4WSNLED-LD4-52HL-A-UNV-L840-CD1-SVPD1	2.00	EA	0.86	1.72	78.82	529.55	0.00	157.64	1,059.10		66.19	25%	25%	1,587.12
	(LF-I-E1) Emergency Ceiling LED Fixture TYPE: Ceiling Light with Emergency Backup Manu: COOPER Model: 4WSNLED-LD4-52HL-A-UNV-L840-CD1-SVPD1-EL14 Emergency battery pack, 90 minutes, self-diagnostic.	1.00	EA	0.98	0.98	89.82	598.30	0.00	89.82	598.30		37.39	25%	25%	897.54
	(LF-IJ) Ceiling Mounted LED Fixture - Low Output TYPE: Ceiling Light Fixture Manu: COOPER Model: 4WSNLED-LD4-52HL-A-UNV-L840-CD1-U	2.00	EA	0.86	1.72	78.82	529.55	0.00	157.64	1,059.10		66.19	25%	25%	1,587.12
	(LF-JE1) Emergency Ceiling LED Fixture Integral emergency battery pack, 90-minute runtime, 1400-lumen output, self-diagnostic testing system. TYPE: Ceiling Light Fixture with Emergency Backup Manu: COOPER Model: 4WSNLED-LD4-52HL-A-UNV-L840-CD1-U-EL14	1.00	EA	0.98	0.98	89.82	598.30	0.00	89.82	598.30		37.39	25%	25%	897.54
	(LF-JE1) Emergency Ceiling LED Fixture - Standard Output Provide emergency battery pack with relay, test switch, red indicator light, and self-diagnostic system. TYPE: Ceiling Light Fixture with Emergency Backup Manu: COOPER Model: 4WSNLED-LD4-52HL-A-UNV-L840-CD1-U-EL14	10.00	EA	0.98	9.80	89.82	284.50	0.00	898.17	2,845.00		177.81	25%	25%	4,856.78
	(LF-L) Canopy Light Fixture TYPE: Exterior Canopy Light Manu: ILLUMADYNE Model: CC-125-UNV-DA-90-4000K-DOBLS	18.00	EA	0.98	17.64	89.82	220.40	0.00	1,616.71	3,967.20		247.95	25%	25%	7,227.83
	(LF-Q) Lowbay Light Fixture TYPE: Lowbay LED Light Manu: TECHLIGHT Model: CSL-S-900-DL-82-1-WH	4.00	EA	0.86	3.44	78.82	429.00	0.00	315.28	516.00		32.25	25%	25%	1,071.35
	(LF-T) Linear Pendant LED Light TYPE: Linear Indoor Lighting Manu: LITHONIA Model: CLX L86 10000LM HEF RDL MVOLT GZ10 40K	9.00	EA	1.12	10.08	102.65	428.50	0.00	923.83	3,856.50		241.03	25%	25%	6,216.45
	(LF-T1) Linear LED Pendant Light - 4 ft TYPE: Linear Indoor Lighting Manu: LITHONIA Model: CLX L48 5000LM HEF RDL MVOLT GZ10 40K 90CRI	4.00	EA	1.12	4.48	102.65	225.81	0.00	410.59	903.24		56.45	25%	25%	1,698.74
	(LF-T1E1) Emergency Linear LED Pendant Light - 4 ft Emergency battery pack, 90-minute operation, 1400-lumen output, self-diagnostic system. TYPE: Linear Indoor Lighting with Emergency Backup Manu: LITHONIA Model: CLX L48 5000LM HEF RDL MVOLT E10W GZ10 40K 90CRI	2.00	EA	1.45	2.90	132.89	225.81	0.00	265.79	451.62		28.23	25%	25%	924.98
	(LF-T1E1) Emergency Linear LED Pendant Light - 8 ft Emergency battery pack, self-diagnostic testing, relay, test switch, red indicator light. TYPE: Linear Indoor Lighting with Emergency Backup Manu: LITHONIA Model: CLX L86 10000LM HEF RDL MVOLT E10W GZ10 40K 90CRI	4.00	EA	1.45	5.80	132.89	428.50	0.00	531.57	1,714.00		107.13	25%	25%	2,914.09
	(LF-X) Emergency Lighting Unit Self-powered battery pack (minimum 90 minutes) TYPE: Emergency Light Fixture Manu: LIGHTALARMS Model: 3MCT2G/LD10M-DSC-CBKT-ID-T3	75.00	EA	0.98	73.50	89.82	774.20	0.00	6,736.28	58,065.00		3,629.06	25%	25%	84,630.66

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	(LF-X1) Exit Sign with Emergency Lights TYPE: Exit Sign with Dual Heads Manu: LIGHTALARMS Model: GR22MR-MLW-2 (LF-X2) Exit Sign - Double Face TYPE: Exit Sign with Emergency Battery Manu: LIGHTALARMS Model: GRAN-ND-RW (LF-X3) Emergency Remote Head TYPE: Emergency Remote Head Manu: LIGHTALARMS Model: SAF-2LD-DB-DSC-12V-CL Powered from exit unit battery. Adjustable aiming angles.	19.00	EA	0.98	18.62	89.82	314.50	0.00	1,706.52	5,975.50	0.00	373.47	25%	25%	9976.00
	Indicator Light Single Pole Switch Single Pole Switch w/ Key Occupancy Sensor Leviton ODS15-ID Occupancy Sensor EL UnSwitch 0-10V Occupancy Sensor & Dimmer Switch Dimmer Switch 3 Way Dimmer Switch Front Overide Switch Generator Remote Shutoff Push Button Single Pole Fan Remote Controller (S & Installed by Owner) Roll Up Door Switch Business Button	22.00	EA	0.19	4.11	17.14	11.29	0.00	377.05	248.38	0.00	15.52	25%	25%	797.31
	CF-2: Ceiling Fan CF-4: Ceiling Fan CF-5: Ceiling Fan CF-3: Ceiling Fan CF-1: Ceiling Fan 2-Compartment Power Pole Generator Remote Annunciator Fan Heater (Recessed) Model #E3313TS-RP, 1.5KW Fan Heater (Recessed) Model #HF3313T2-RP, 3KW Surface Mounted adapter (R3310EX33) Transformer T1 Customer Meter Units of 10KVA Square D (1KVA Wired as 10KVA Buck/Boost) Transformer T4	4.00	EA	0.86	3.44	78.82	190.55	0.00	315.28	762.20	0.00	47.64	25%	25%	1394.48
	(PB-1) Pull Box with Vertical Wireway TYPE: Electrical Pull Box and Wireway Assembly Pull Box Size: 6" x 4" x 6" Pull Box Manu: Model: HOFFMAN A-S(X) Mounting Height: 6" above finished floor Wireway Size: 4" x 4" x 10" Wireway Manu: Model: SQUARE D LDB410	1.00	EA	0.78	0.78	71.49	70.22	0.00	71.49	70.22	0.00	4.39	25%	25%	181.52
	Panel/ Main Board Manu: SQ-D/Graybar Installed by E.C.	2.00	EA	3.89	7.78	356.52	826.65	0.00	713.04	1,653.30	0.00	103.33	25%	25%	3061.25
	H1 Panel: 225A, 3P, 4 Wires, 480/277 V Wye (SQ-D NF-PL CU BUS) AIC Rating: 65K SERIES MIN. H2 Panel: 225A, 3P, 4 Wires, 480/277 V Wye (SQ-D NF-PL CU BUS) AIC Rating: 14K SERIES MIN. H3 Panel: 600A, 3P, 4 Wires, 480/277 V Wye (SQ-D I-Line) AIC Rating: 65K Fully MIN. H4 Panel: 400A, 3P, 4 Wires, 480/277 V Wye (SQ-D NF-PL CU BUS) AIC Rating: 65K SERIES MIN. H5 Panel: 400A, 3P, 4 Wires, 480/277 V Wye (SQ-D NF-PL CU BUS) AIC Rating: 65K SERIES MIN. H6 Panel: 600A, 3P, 4 Wires, 480/277 V Wye (SQ-D I-Line CU BUS) AIC Rating: 65K SERIES MIN. H7 Panel: 600A, 3P, 4 Wires, 480/277 V Wye (SQ-D NF-PL CU BUS) AIC Rating: 22K SERIES MIN. H8 Panel: 100A, 3P, 4 Wires, 480/277 V Wye (SQ-D NF CU BUS) AIC Rating: 22K SERIES MIN. P1A Panel: 225A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 22K SERIES MIN. P2A Panel: 225A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 22K SERIES MIN. P1B Panel: 100A, 3P, 4 Wires, 208/120 V Wye (SQ-D NF-PL CU BUS) AIC Rating: 22K SERIES MIN. P2B Panel: 225A, 3P, 4 Wires, 208/120 V Wye (SQ-D NF-PL CU BUS) AIC Rating: 22K SERIES MIN. P3 Panel: 400A, 3P, 4 Wires, 208/120 V Wye (SQ-D NF CU BUS) AIC Rating: 22K SERIES MIN. P4A Panel: 400A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 22K SERIES MIN. P4B Panel: 400A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 22K SERIES MIN. P5 Panel: 400A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 22K SERIES MIN. P6A Panel: 400A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 22K SERIES MIN. P6B Panel: 400A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 22K SERIES MIN. P7A Panel: 400A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 22K SERIES MIN. P7B Panel: 100A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 10K SERIES MIN. P8 Panel: 225A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 18K SERIES MIN. P8B Panel: 225A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 18K SERIES MIN. P10 Panel: 225A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 22K SERIES MIN. P11 Panel: 100A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 22K SERIES MIN. C Panel: 225A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 10KA C1 Panel: 100A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 10KA C2 Panel: 60A, 3P, 4 Wires, 208/120 V Wye (SQ-D NQOOD CU BUS) AIC Rating: 10KA	1.00	EA	3.89	3.89	356.52	826.65	0.00	356.52	826.65	0.00	51.67	25%	25%	1530.63
	Low Voltage T-Stat Thermostat CAT 5 Data Outlet Dock Lock in Devices By Other TYPE: Door Hardware Low Voltage Power Supply Manu: SQUARE D Model: Class 9070 1F75D18 Enclosure: Class 9991 Input: Primary with disconnect Output: Step-Down Transformer Fusing: FB3A Fuse Holder with 0.6A Primary Fuses and 1.0A Secondary Fuses	1.00	EA	0.72	0.72	85.99	390.00	0.00	85.99	390.00	0.00	24.38	25%	25%	594.36
	IDF Box HACR Breaker in NEMA-3R-Enclosure 150A Main Circuit Breaker 100A Main Circuit Breaker 30A Main Circuit Breaker -A, 1P, 277V branch circuit breaker -A, 1P, 277V branch PowerLink circuit breaker -A, 1P, 120V branch circuit breaker -A, 1P, 120V GFI branch circuit breaker 15A, 1P, 120V branch circuit breaker 20A, 1P, 277V branch circuit breaker 20A, 1P, 120V branch circuit breaker 20A, 1P, 120V GFI branch circuit breaker 20A, 1P, 120V Shunt Trip branch circuit breaker 20A, 1P, 120V Power Link branch circuit breaker 20A, 1P, 120V branch Red Circuit Breaker 25A, 1P, 120V branch circuit breaker 30A, 1P, 120V GFI branch circuit breaker 20A, 1P, 120V Power Link branch circuit breaker 20A, 1P, 277V branch PowerLink Circuit breaker 20A, 1P, 277V branch PowerLink Emergency Circuit breaker 20A, 2P, 208V branch circuit breaker 20A, 2P, 208V GFI branch circuit breaker 25A, 2P, 208V branch circuit breaker 25A, 2P, 208V GFI branch circuit breaker 30A, 2P, 208V branch circuit breaker	13.00	EA	1.12	14.56	102.65	877.24	0.00	1,334.42	11,404.12	0.00	712.76	25%	25%	16635.94
	1.00	EA	3.44	3.44	315.28	1,093.40	0.00	315.28	1,093.40	0.00	68.34	25%	25%	1820.18	
	17.00	EA	0.30	5.10	27.50	61.68	0.00	467.42	1,048.56	0.00	65.54	25%	25%	1960.50	
	1.00	EA	2.57	2.57	239.54	1,544.40	0.00	239.54	1,544.40	0.00	96.53	25%	25%	2312.45	
	1.00	EA	0.90	0.90	82.21	77.42	0.00	82.21	77.42	0.00	4.84	25%	25%	204.38	
	1.00	EA	0.86	0.86	79.09	41.98	0.00	79.09	41.98	0.00	2.62	25%	25%	153.97	
	75.00	EA	0.27	20.25	24.75	11.88	0.00	1,855.91	891.00	0.00	55.69	25%	25%	3489.33	
	0.00	EA	0.27	0.00	24.75	11.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	97.00	EA	0.27	26.19	24.75	11.88	0.00	2,400.31	1,152.36	0.00	72.02	25%	25%	4512.86	
	52.00	EA	0.30	15.60	24.75	61.68	0.00	1,429.74	3,207.36	0.00	200.46	25%	25%	5996.84	
	11.00	EA	0.27	2.97	24.75	11.88	0.00	272.20	130.88	0.00	8.17	25%	25%	511.77	
	50.00	EA	0.27	13.50	24.75	11.88	0.00	1,237.25	594.00	0.00	37.13	25%	25%	2328.22	
	476.00	EA	0.27	128.52	24.75	11.88	0.00	11,778.86	5,654.88	0.00	353.43	25%	25%	22145.80	
	144.00	EA	0.27	38.88	24.75	11.88	0.00	3,563.35	1,710.72	0.00	106.92	25%	25%	6699.51	
	4.00	EA	0.27	1.08	24.75	11.88	0.00	98.98	47.52	0.00	2.97	25%	25%	186.10	
	7.00	EA	0.27	1.89	24.75	11.88	0.00	173.22	83.16	0.00	5.20	25%	25%	291.80	
	1.00	EA	0.27	0.27	24.75	11.88	0.00	24.75	11.88	0.00	0.74	25%	25%	46.52	
	2.00	EA	0.27	0.54	24.75	11.88	0.00	49.49	23.76	0.00	1.49	25%	25%	93.05	
	3.00	EA	0.30	0.90	27.50	61.68	0.00	82.49	188.04	0.00	11.57	25%	25%	345.97	
	6.00	EA	0.27	1.62	24.75	11.88	0.00	148.47	71.28	0.00	4.46	25%	25%	279.15	
	28.00	EA	0.27	7.56	24.75	11.88	0.00	692.87	332.64	0.00	20.79	25%	25%	1302.68	
	8.00	EA	0.27	2.16	24.75	11.88	0.00	197.96	95.04	0.00	5.94	25%	25%	372.20	
	28.00	EA	0.37	10.47	34.28	17.82	0.00	859.76	458.96	0.00	31.19	25%	25%	1654.58	
	14.00	EA	0.30	4.20	27.50	61.68	0.00	384.53	863.52	0.00	53.97	25%	25%	1814.53	
	4.00	EA	0.37	1.50	34.28	17.82	0.00	137.11	71.28	0.00	4.46	25%	25%	264.94	
	4.00	EA	0.30	1.20	27.50	61.68	0.00	109.98	246.72	0.00	15.42	25%	25%	461.30	
	1.00	EA	0.37	0.37	34.28	17.82	0.00	34.28	17.82	0.00	1.11	25%	25%	68.24	



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Estimate: \$ 1,636,279.81
Floor Area: 161640.00 SF

REF	ITEM	QUANTITY	UNIT	PRODUCTION RATE	LABOR HOURS	LABOR RATE	MATERIAL RATE	EQUIPMENT RATE	LABOR COSTS	MATERIAL COSTS	EQUIPMENT COSTS	SALES TAX	LABOR MARK-UP	MATERIAL MARK-UP	TOTAL COST
35A	2P, 208V branch circuit breaker	5.00	EA	0.37	1.87	34.28	17.82	0.00	171.39	89.10	0.00	5.67	25%	25%	331.18
40A	2P, 208V branch circuit breaker	4.00	EA	0.37	1.50	34.28	17.82	0.00	137.11	71.28	0.00	4.46	25%	25%	264.94
50A	2P, 208V branch circuit breaker	1.00	EA	0.37	0.37	34.28	17.82	0.00	34.28	17.82	0.00	1.11	25%	25%	66.24
60A	2P, 208V branch circuit breaker	2.00	EA	0.37	0.75	34.28	17.82	0.00	68.56	35.64	0.00	2.23	25%	25%	132.47
15A	3P, 480V branch circuit breaker	9.00	EA	0.86	7.77	79.09	41.98	0.00	711.85	377.82	0.00	23.61	25%	25%	1385.10
15A	3P, 208V branch circuit breaker	6.00	EA	0.86	5.18	79.09	41.98	0.00	474.56	251.88	0.00	15.74	25%	25%	923.80
20A	3P, 480V branch circuit breaker	5.00	EA	0.86	4.32	79.09	41.98	0.00	395.47	209.90	0.00	13.12	25%	25%	769.83
20A	3P, 208V branch circuit breaker	6.00	EA	0.86	5.18	79.09	41.98	0.00	474.56	251.88	0.00	15.74	25%	25%	923.80
20A	3P, 208V GFI branch circuit breaker	7.00	EA	0.86	4.04	52.88	392.04	0.00	370.17	2,744.29	0.00	171.52	25%	25%	4084.59
25A	3P, 480V branch circuit breaker	10.00	EA	0.86	8.63	79.09	41.98	0.00	790.94	419.80	0.00	26.24	25%	25%	1539.66
25A	3P, 208V GFI branch circuit breaker	1.00	EA	0.86	0.86	52.88	392.04	0.00	52.88	392.04	0.00	24.50	25%	25%	580.66
30A	3P, 480V branch circuit breaker	7.00	EA	0.86	6.04	79.09	41.98	0.00	553.66	293.86	0.00	18.37	25%	25%	1077.76
30A	3P, 208V branch circuit breaker	4.00	EA	0.86	3.45	79.09	41.98	0.00	318.38	167.92	0.00	10.50	25%	25%	615.86
35A	3P, 480V branch circuit breaker	2.00	EA	0.86	1.73	79.09	41.98	0.00	158.19	83.96	0.00	5.25	25%	25%	307.93
35A	3P, 208V branch circuit breaker	2.00	EA	0.86	1.73	79.09	41.98	0.00	158.19	83.96	0.00	5.25	25%	25%	307.93
40A	3P, 480V branch circuit breaker	1.00	EA	0.86	0.86	79.09	41.98	0.00	79.09	41.98	0.00	2.62	25%	25%	153.97
40A	3P, 208V branch circuit breaker	1.00	EA	0.86	0.86	79.09	41.98	0.00	79.09	41.98	0.00	2.62	25%	25%	153.97
45A	3P, 208V GFI branch circuit breaker	1.00	EA	0.86	0.86	52.88	392.04	0.00	52.88	392.04	0.00	24.50	25%	25%	580.66
50A	3P, 480V branch circuit breaker	4.00	EA	0.86	3.45	79.09	41.98	0.00	318.38	167.92	0.00	10.50	25%	25%	615.86
50A	3P, 208V branch circuit breaker	1.00	EA	0.86	0.86	79.09	41.98	0.00	79.09	41.98	0.00	2.62	25%	25%	153.97
50A	3P, 208V GFI branch circuit breaker	1.00	EA	0.86	0.86	52.88	392.04	0.00	52.88	392.04	0.00	24.50	25%	25%	580.66
60A	3P, 480V branch circuit breaker	6.00	EA	0.86	5.18	79.09	41.98	0.00	474.56	251.88	0.00	15.74	25%	25%	923.80
60A	3P, 208V branch circuit breaker	2.00	EA	0.86	1.73	79.09	41.98	0.00	158.19	83.96	0.00	5.25	25%	25%	307.93
60A	3P, 208V Shunt Trip branch circuit breaker	2.00	EA	0.86	1.73	79.09	41.98	0.00	158.19	83.96	0.00	5.25	25%	25%	307.93
70A	3P, 480V branch circuit breaker	1.00	EA	1.71	1.71	156.72	586.08	0.00	156.72	586.08	0.00	36.63	25%	25%	965.13
80A	3P, 480V branch circuit breaker	1.00	EA	1.71	1.71	156.72	586.08	0.00	156.72	586.08	0.00	36.63	25%	25%	965.13
80A	3P, 208V branch circuit breaker	1.00	EA	1.71	1.71	156.72	586.08	0.00	156.72	586.08	0.00	36.63	25%	25%	965.13
80A	3P, 480V branch circuit breaker	10.00	EA	1.71	17.10	156.72	586.08	0.00	1,567.20	5,860.80	0.00	96.30	25%	25%	9,651.30
175A	3P, 480V branch circuit breaker	2.00	EA	2.57	5.14	235.54	1,544.70	0.00	471.08	3,089.40	0.00	193.09	25%	25%	4,643.69
200A	3P, 480V branch circuit breaker	2.00	EA	2.57	5.14	235.54	1,544.70	0.00	471.08	3,089.40	0.00	193.09	25%	25%	4,643.69
200A	3P, 208V branch circuit breaker	1.00	EA	1.98	1.98	181.47	835.00	0.00	181.47	835.00	0.00	52.19	25%	25%	1,322.77
200A	3P, 480V branch circuit breaker	1.00	EA	1.09	1.09	99.90	349.44	0.00	99.90	349.44	0.00	21.84	25%	25%	463.51
200A	3P, 208V branch circuit breaker	1.00	EA	1.65	1.65	151.22	766.30	0.00	151.22	766.30	0.00	47.89	25%	25%	1,194.80
200A	3P, 480V branch circuit breaker	1.00	EA	1.00	1.00	91.65	544.20	0.00	91.65	544.20	0.00	34.01	25%	25%	828.83
200A	3P, 208V branch circuit breaker	1.00	EA	1.25	1.25	114.58	441.20	0.00	114.58	441.20	0.00	27.58	25%	25%	722.28
Disconnect Switches, Junction Box	Junction Box	87.00	EA	0.78	67.86	71.49	67.22	0.00	6,219.37	5,848.14	0.00	365.51	25%	25%	15,449.90
Weather Proof Junction Box	Weather Proof Junction Box	10.00	EA	0.98	9.80	89.82	98.99	0.00	898.97	989.90	0.00	61.87	25%	25%	2,421.96
Weather Proof Disconnect Switch	Weather Proof Disconnect Switch	15.00	EA	4.77	71.55	437.17	524.70	0.00	6,557.56	7,870.50	0.00	491.91	25%	25%	18,526.98
Fused Disconnect	Fused Disconnect	26.00	EA	4.61	119.86	422.51	383.13	0.00	10,985.17	9,961.38	0.00	622.59	25%	25%	26,805.77
Weather Proof Fused Disconnect	Weather Proof Fused Disconnect	10.00	EA	4.77	47.70	437.17	524.70	0.00	4,371.71	5,247.00	0.00	327.94	25%	25%	12,351.32
30A, 480V, 3 Phase Weather Proof Disconnect Switch & Control Power	30A, 480V, 3 Phase Weather Proof Disconnect Switch & Control Power	2.00	EA	3.32	6.64	304.28	302.94	0.00	608.56	605.88	0.00	37.87	25%	25%	1,555.91
60A, 480V, 3 Phase Disconnect Switch & Control Power	60A, 480V, 3 Phase Disconnect Switch & Control Power	2.00	EA	4.61	9.22	422.51	383.13	0.00	845.01	766.26	0.00	47.89	25%	25%	2,061.98
Disconnect Switch	Disconnect Switch	4.00	EA	3.32	13.28	304.28	302.94	0.00	1,217.11	1,211.76	0.00	75.74	25%	25%	3,111.83
60A, 208V, Single Phase Disconnect Switch	60A, 208V, Single Phase Disconnect Switch	5.00	EA	4.61	23.05	422.51	383.13	0.00	2,112.53	1,915.65	0.00	119.73	25%	25%	5,154.95
Combined Starter/Disconnect Switch	Combined Starter/Disconnect Switch	2.00	EA	3.32	6.64	304.28	302.94	0.00	608.56	605.88	0.00	37.87	25%	25%	1,555.91
30A, 480V, Single Phase 4 Wired Fused Disk	30A, 480V, Single Phase 4 Wired Fused Disk	1.00	EA	0.32	0.32	29.69	32.10	0.00	29.69	32.10	0.00	2.01	25%	25%	79.25
60A, 480V, 3 Phase Weather Proof Disconnect Switch & Control Power	60A, 480V, 3 Phase Weather Proof Disconnect Switch & Control Power	2.00	EA	4.61	9.22	422.51	383.13	0.00	845.01	766.26	0.00	47.89	25%	25%	2,061.98
Overhead Shutter Disconnect Switch	Overhead Shutter Disconnect Switch	1.00	EA	3.32	3.32	304.28	302.94	0.00	304.28	302.94	0.00	18.93	25%	25%	777.96
Wireless Gateways (Junction Box)	Wireless Gateways (Junction Box)	2.00	EA	0.78	1.56	71.49	67.22	0.00	142.97	134.44	0.00	8.40	25%	25%	355.17
1 Gang Box /Box	1 Gang Box /Box	1.00	EA	0.71	0.71	65.07	65.22	0.00	65.07	65.22	0.00	4.08	25%	25%	166.94
Duplex Receptacle	Duplex Receptacle	221.00	EA	0.16	35.80	14.85	12.67	0.00	3,281.25	2,800.07	0.00	175.00	25%	25%	7,776.66
Weather Proof Duplex Receptacle	Weather Proof Duplex Receptacle	2.00	EA	0.32	0.65	29.69	30.10	0.00	59.39	60.20	0.00	3.76	25%	25%	153.25
Weather Proof GFI Duplex Receptacle	Weather Proof GFI Duplex Receptacle	19.00	EA	0.32	6.08	29.69	30.10	0.00	564.20	571.90	0.00	35.74	25%	25%	1,455.87
Single Plug in Receptacle	Single Plug in Receptacle	54.00	EA	0.16	8.75	14.85	12.67	0.00	801.75	884.18	0.00	42.76	25%	25%	1,900.18
QuadPlex Receptacle	QuadPlex Receptacle	54.00	EA	0.80	42.93	72.86	45.44	0.00	3,934.53	2,453.76	0.00	153.36	25%	25%	8,138.73
GFI QuadPlex Receptacle	GFI QuadPlex Receptacle	32.00	EA	0.80	25.44	72.86	56.34	0.00	2,331.58	1,802.88	0.00	112.68	25%	25%	5,280.75
Isolated Ground Duplex Receptacle	Isolated Ground Duplex Receptacle	81.00	EA	0.32	26.24	29.69	30.10	0.00	2,405.28	2,436.10	0.00	152.38	25%	25%	6,206.58
Isolated Ground Quadplex Receptacle	Isolated Ground Quadplex Receptacle	26.00	EA	0.32	8.42	29.69	30.10	0.00	772.06	782.60	0.00	48.91	25%	25%	1,992.24
GFI Isolated Ground Duplex Receptacle	GFI Isolated Ground Duplex Receptacle	3.00	EA	0.32	0.97	29.69	30.10	0.00	89.08	90.30	0.00	5.64	25%	25%	229.87
Weather Proof GFCI QuadPlex Receptacle	Weather Proof GFCI QuadPlex Receptacle	13.00	EA	0.80	10.34	72.86	56.34	0.00	947.20	732.42	0.00	45.78	25%	25%	2,145.30
GFI Duplex Receptacle	GFI Duplex Receptacle	18.00	EA	0.32	5.83	29.69	30.10	0.00	534.50	541.80	0.00	33.86	25%	25%	1,379.24
15A, 480V, 3 Phase Twistlock Receptacle	15A, 480V, 3 Phase Twistlock Receptacle	2.00	EA	0.32	0.65	29.69	62.40	0.00	59.39	124.80	0.00	7.80	25%	25%	238.04
30A, 480V, 3 Phase Twistlock Receptacle	30A, 480V, 3 Phase Twistlock Receptacle	7.00	EA	0.32	2.27	29.69	62.40	0.00	207.86	436.80	0.00	27.30	25%	25%	833.13
30A, 120V, L5-30R Twistlock Receptacle	30A, 120V, L5-30R Twistlock Receptacle	5.00	EA	0.32	1.62	29.69	62.40	0.00	148.47	312.00	0.00	19.50	25%	25%	595.09
20A, 208V, Single Phase Twistlock Hubbel #IG-S720 w/ 2320 Wall Plate (NEMA L6-20R)	20A, 208V, Single Phase Twistlock Hubbel #IG-S720 w/ 2320 Wall Plate (NEMA L6-20R)	10.00	EA	0.32	3.20	29.69	69.23	0.00	299.28	692.30	0.00	43.27	25%	25%	1,275.24
Pearl Fan Receptacle	Pearl Fan Receptacle	9.00	EA	0.32	2.92	29.69	43.55	0.00	267.25	391.95	0.00	24.50	25%	25%	848.50
3/4" Long White Plug Mold	3/4" Long White Plug Mold	1.00	EA	0.76	0.76	69.65	249.33	0.00	69.65	249.33	0.00	15.58	25%	25%	414.31
3/4" Long White Plug Mold	3/4" Long White Plug Mold	3.00	EA	0.23	0.69	21.08	46.36	0.00	63.24	139.08	0.00	8.69	25%	25%	251.59
7/2" Long White Plug Mold	7/2" Long White Plug Mold	1.00	EA	0.41	0.41	37.58	87.23	0.00	37.58	87.23	0.00	5.45	25%	25%	161.48

#	599,382	#			1,341,213
(Indicative % Only - Editable)		Material Sales Tax		6.25%	
(Indicative % Only - Editable)		Labor Markup		25.00%	
(Indicative % Only - Editable)		Materials Markup		25.00%	
(Indicative % Only - Editable)		Subtotal Construction Cost		\$ 1,341,212.96	
(Indicative % Only - Editable)		Contingency & Wastage	7.00%	\$ 93,884.91	
(Indicative % Only - Editable)		Profit	15.00%	\$ 201,181.94	
(Indicative % Only - Editable)		Total Project Cost		\$ 1,636,279.81	

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