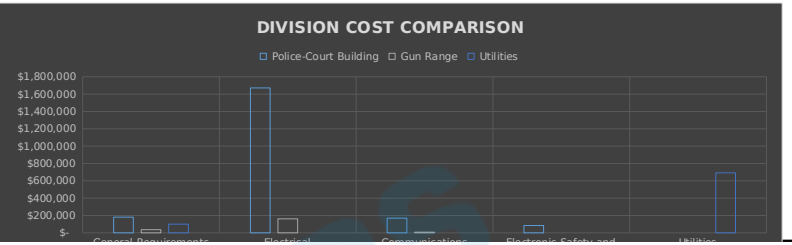
GENERAL SUMMARY

Prepared for: New Eastpointe Police / Court Building And Gun Range
Project ID: 1052026
Scope: Electrical
No. Of Floors: 2
Date: 6-Oct-26

USA ESTIMATORS
+1 (214) 556-2605

TOTAL BUILDING GSF	49,352			
POLICE SF	45,624			
GUN RANGE SF	3,728	Police-Court Building	Gun Range	Utilities
DIVISION NO	DESCRIPTION	TOTAL DIV. COST	TOTAL DIV. COST	TOTAL DIV. COST
1000	General Requirements	$ 181,000	$ 36,500	$ 100,000
26000	Electrical	$ 1,671,287	$ 161,258	
27000	Communications	$ 168,910	$ 7,769	
28000	Electronic Safety and Security	$ 84,408		
33000	Utilities			$ 691,898
TOTAL TRADE COST		$ 2,105,605	$ 205,528	$ 791,898
OVERHEAD AND PROFIT	30%	$ 631,681	$ 61,658	$ 237,569
SUBCONTRACTOR MARGIN	10%	$ 62,280	$ 6,490	$ 18,147
INSURANCE	3%	$ 63,168	$ 6,166	$ 23,757
CONTINGENCY	5%	$ 105,280	$ 10,276	$ 39,595
TAX	6%	$ 78,108	$ 6,248	$ 30,626
SUGGESTED BID		$ 3,046,123	$ 296,366	$ 1,141,592



USA ESTIMATORS

DETAILED BREAKDOWN OF ITEMS

Prepared for: New Eastpointe Police / Court Building And Gun Range
Project ID: 1052026
Scope: Electrical

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
GENERAL REQUIREMENTS													
1			Permits	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
2			Supervision and Coordination	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 85,000.00
3			Submittals and Shop drawings	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
4			Final Cleaning	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 7,500.00
5			Mobilization Costs	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 45,000.00
6			Temporary Control & Facilities	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 12,500.00
7			Scaffolding	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
8			Equipment (Scissor Lift, Boom Lift, Small Tools Rental)	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 18,500.00
9			Testing & Commissioning of Panels and Breakers	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 12,500
												SUBTOTAL	**$ 181,000**
ELECTRICAL													
			DISTRIBUTION										
			CONDUIT										
10			3/4" EMT Conduit	LF	1088	10%	1197	0.05	$ 75.00	$ 3.38	$ 2.42	$ 5.80	$ 6,935.46
11			1" EMT Conduit	LF	830	10%	913	0.06	$ 75.00	$ 4.13	$ 3.25	$ 7.37	$ 6,728.81
12			1-1/4" EMT Conduit	LF	171	10%	188	0.07	$ 75.00	$ 4.88	$ 4.24	$ 9.11	$ 1,713.59
13			2" EMT Conduit	LF	740	10%	814	0.09	$ 75.00	$ 6.38	$ 6.44	$ 12.81	$ 10,427.34
14			2-1/2" EMT Conduit	LF	78	10%	86	0.10	$ 75.00	$ 7.50	$ 8.75	$ 16.25	$ 1,393.82
15			3" EMT Conduit	LF	616	10%	678	0.12	$ 75.00	$ 9.00	$ 12.65	$ 21.65	$ 14,670.04
16			4" EMT Conduit	LF	660	10%	726	0.14	$ 75.00	$ 10.50	$ 16.34	$ 26.84	$ 19,482.21
17			3/4" RGS Conduit	LF	25	10%	28	0.10	$ 75.00	$ 7.50	$ 8.91	$ 16.41	$ 451.28
18			1" RGS Conduit	LF	5	10%	6	0.12	$ 75.00	$ 9.00	$ 12.32	$ 21.32	$ 117.26
19			1-1/4" RGS Conduit	LF	15	10%	17	0.14	$ 75.00	$ 10.50	$ 17.05	$ 27.55	$ 454.58
20			3/4" FMC Conduit	LF	18	10%	20	0.05	$ 75.00	$ 3.75	$ 3.14	$ 6.89	$ 136.32
21			3/4" LFMC Conduit	LF	15	10%	17	0.06	$ 75.00	$ 4.50	$ 4.02	$ 8.52	$ 140.50
22			1" LFMC Conduit	LF	3	10%	3	0.08	$ 75.00	$ 5.63	$ 5.72	$ 11.35	$ 37.44
23			1-1/4" LFMC Conduit	LF	9	10%	10	0.09	$ 75.00	$ 6.38	$ 7.92	$ 14.30	$ 141.52
			CONDUCTOR										
24			#12 CU THHN/THWN	LF	1284	10%	1412	0.01	$ 75.00	$ 0.38	$ 0.42	$ 0.80	$ 1,122.86
25			#10 CU THHN/THWN	LF	1468	10%	1615	0.01	$ 75.00	$ 0.45	$ 0.62	$ 1.07	$ 1,727.84
26			#8 CU THHN/THWN	LF	2858	10%	3144	0.01	$ 75.00	$ 0.60	$ 0.98	$ 1.58	$ 4,967.20
27			#6 CU THHN/THWN	LF	4023	10%	4425	0.01	$ 75.00	$ 0.75	$ 1.55	$ 2.30	$ 10,178.19
28			#4 CU THHN/THWN	LF	367	10%	404	0.01	$ 75.00	$ 0.90	$ 2.45	$ 3.35	$ 1,352.40
29			#3 CU THHN/THWN	LF	700	10%	770	0.01	$ 75.00	$ 1.05	$ 3.05	$ 4.10	$ 3,157.00
30			#2 CU THHN/THWN	LF	213	10%	234	0.02	$ 75.00	$ 1.13	$ 3.85	$ 4.98	$ 1,165.64
31			#1 CU THHN/THWN	LF	616	10%	678	0.02	$ 75.00	$ 1.35	$ 4.85	$ 6.20	$ 4,201.12
32			#1/0 CU THHN/THWN	LF	715	10%	787	0.02	$ 75.00	$ 1.50	$ 5.85	$ 7.35	$ 5,780.78
33			#3/0 CU THHN/THWN	LF	2298	10%	2528	0.03	$ 75.00	$ 1.88	$ 9.20	$ 11.08	$ 27,995.39
34			#250 KCMIL CU THHN/THWN	LF	286	10%	315	0.03	$ 75.00	$ 2.25	$ 13.50	$ 15.75	$ 4,954.95
35			#350 KCMIL CU THHN/THWN	LF	2464	10%	2710	0.04	$ 75.00	$ 3.00	$ 18.50	$ 21.50	$ 58,273.60
36			#600 KCMIL CU THHN/THWN	LF	2642	10%	2906	0.06	$ 75.00	$ 4.50	$ 32.00	$ 36.50	$ 106,076.30
			LUGS										
37			Compression Lug CU With 1-Hole , #8 CU Wire	EA	114	0%	114	0.20	$ 75.00	$ 15.00	$ 4.80	$ 19.80	$ 2,257.20
38			Heat Shrink Tubing for #8 CU Wire	EA	114	0%	114	0.10	$ 75.00	$ 7.50	$ 1.20	$ 8.70	$ 991.80
39			Compression Lug CU With 1-Hole , #6 CU Wire	EA	126	0%	126	0.20	$ 75.00	$ 15.00	$ 5.50	$ 20.50	$ 2,583.00
40			Heat Shrink Tubing for #6 CU Wire	EA	126	0%	126	0.10	$ 75.00	$ 7.50	$ 1.50	$ 9.00	$ 1,134.00
41			Compression Lug CU With 1-Hole , #4 CU Wire	EA	16	0%	16	0.25	$ 75.00	$ 18.75	$ 7.20	$ 25.95	$ 415.20
42			Heat Shrink Tubing for #4 CU Wire	EA	16	0%	16	0.10	$ 75.00	$ 7.50	$ 1.80	$ 9.30	$ 148.80
43			Compression Lug CU With 1-Hole , #3 CU Wire	EA	26	0%	26	0.25	$ 75.00	$ 18.75	$ 8.50	$ 27.25	$ 708.50
44			Heat Shrink Tubing for #3 CU Wire	EA	26	0%	26	0.10	$ 75.00	$ 7.50	$ 2.20	$ 9.70	$ 252.20
45			Compression Lug CU With 1-Hole , #2 CU Wire	EA	6	0%	6	0.30	$ 75.00	$ 22.50	$ 9.85	$ 32.35	$ 194.10
46			Heat Shrink Tubing for #2 CU Wire	EA	6	0%	6	0.10	$ 75.00	$ 7.50	$ 2.50	$ 10.00	$ 60.00
47			Compression Lug CU With 1-Hole , #1 CU Wire	EA	12	0%	12	0.30	$ 75.00	$ 22.50	$ 11.50	$ 34.00	$ 408.00
48			Heat Shrink Tubing for #1 CU Wire	EA	12	0%	12	0.10	$ 75.00	$ 7.50	$ 2.80	$ 10.30	$ 123.60
49			Compression Lug CU With 1-Hole , #1/0 CU Wire	EA	32	0%	32	0.35	$ 75.00	$ 26.25	$ 14.20	$ 40.45	$ 1,294.40
50			Heat Shrink Tubing for #1/0 CU Wire	EA	32	0%	32	0.10	$ 75.00	$ 7.50	$ 3.20	$ 10.70	$ 342.40
51			Compression Lug CU With 1-Hole , #3/0 CU Wire	EA	72	0%	72	0.40	$ 75.00	$ 30.00	$ 18.50	$ 48.50	$ 3,492.00
52			Heat Shrink Tubing for #3/0 CU Wire	EA	72	0%	72	0.10	$ 75.00	$ 7.50	$ 3.85	$ 11.35	$ 817.20
53			Compression Lug CU With 1-Hole , #250 KCMIL CU Wire	EA	44	0%	44	0.45	$ 75.00	$ 33.75	$ 24.50	$ 58.25	$ 2,563.00
54			Heat Shrink Tubing for #250 KCMIL CU Wire	EA	44	0%	44	0.10	$ 75.00	$ 7.50	$ 4.50	$ 12.00	$ 528.00
55			Compression Lug CU With 1-Hole , #350 KCMIL CU Wire	EA	48	0%	48	0.50	$ 75.00	$ 37.50	$ 32.00	$ 69.50	$ 3,336.00
56			Heat Shrink Tubing for #350 KCMIL CU Wire	EA	48	0%	48	0.10	$ 75.00	$ 7.50	$ 5.20	$ 12.70	$ 609.60
57			Compression Lug CU With 1-Hole , #600 KCMIL CU Wire	EA	72	0%	72	0.65	$ 75.00	$ 48.75	$ 52.00	$ 100.75	$ 7,254.00
58			Heat Shrink Tubing for #600 KCMIL CU Wire	EA	72	0%	72	0.10	$ 75.00	$ 7.50	$ 7.20	$ 14.70	$ 1,058.40
			PANEL & CIRCUIT BREAKER										
59			2P/25A HACR Breaker	EA	2	0%	2	1.00	$ 75.00	$ 75.00	$ 165.00	$ 240.00	$ 480.00
60			Panel RP-1B1: 225A, 208/120V, 3Ph, 4W, Mains: MLO, 22KAIC, 72 Pole: Surfac	EA	1	0%	1	10.00	$ 75.00	$ 750.00	$ 4,850.00	$ 5,600.00	$ 5,600.00
			1P/20A Breaker	EA	54	0%	54	0.50	$ 75.00	$ 37.50	$ 38.00	$ 75.50	$ 4,077.00
			1P/15A Breaker	EA	3	0%	3	0.50	$ 75.00	$ 37.50	$ 32.00	$ 69.50	$ 208.50
			1P/25A Breaker	EA	1	0%	1	0.50	$ 75.00	$ 37.50	$ 42.00	$ 79.50	$ 79.50
			2P/15A Breaker	EA	1	0%	1	0.65	$ 75.00	$ 48.75	$ 68.00	$ 116.75	$ 116.75
61			Panel RP-1B2: 225A, 208/120V, 3Ph, 4W, Mains: MLO, 22KAIC, 72 Pole: Surfac	EA	1	0%	1	10.00	$ 75.00	$ 750.00	$ 4,850.00	$ 5,600.00	$ 5,600.00
			1P/15A Breaker	EA	4	0%	4	0.50	$ 75.00	$ 37.50	$ 32.00	$ 69.50	$ 278.00
			1P/20A Breaker	EA	58	0%	58	0.50	$ 75.00	$ 37.50	$ 38.00	$ 75.50	$ 4,379.00
			2P/15A Breaker	EA	1	0%	1	0.65	$ 75.00	$ 48.75	$ 68.00	$ 116.75	$ 116.75
			2P/20A Breaker	EA	1	0%	1	0.65	$ 75.00	$ 48.75	$ 72.00	$ 120.75	$ 120.75
62			Panel RP-2A1: 225A, 208/120V, 3Ph, 4W, Mains: MLO, 22KAIC, 60 Pole: Surfac	EA	1	0%	1	10.00	$ 75.00	$ 750.00	$ 4,850.00	$ 5,600.00	$ 5,600.00
			1P/20A Breaker	EA	49	0%	49	0.50	$ 75.00	$ 37.50	$ 38.00	$ 75.50	$ 3,699.50
			1P/20A GFCI Breaker	EA	5	0%	5	0.50	$ 75.00	$ 37.50	$ 52.00	$ 89.50	$ 447.50
			2P/30A Breaker	EA	1	0%	1	0.85	$ 75.00	$ 63.75	$ 95.00	$ 158.75	$ 158.75
			1P/15A Breaker	EA	1	0%	1	0.50	$ 75.00	$ 37.50	$ 32.00	$ 69.50	$ 69.50
63			Panel RP-2A2: 225A, 208/120V, 3Ph, 4W, Mains: MLO, 22KAIC, 60 Pole: Surfac	EA	1	0%	1	10.00	$ 75.00	$ 750.00	$ 4,850.00	$ 5,600.00	$ 5,600.00
			1P/20A Breaker	EA	45	0%	45	0.50	$ 75.00	$ 37.50	$ 38.00	$ 75.50	$ 3,397.50
			1P/15A Breaker	EA	4	0%	4	0.50	$ 75.00	$ 37.50	$ 32.00	$ 69.50	$ 278.00
			1P/15A HACR GFCI Breaker	EA	2	0%	2	0.50	$ 75.00	$ 37.50	$ 68.00	$ 105.50	$ 211.00
64			Panel RP-2B1: 225A, 208/120V, 3Ph, 4W, Mains: MLO, 22KAIC, 84 Pole: Surfac	EA	1	0%	1	10.00	$ 75.00	$ 750.00	$ 5,250.00	$ 6,000.00	$ 6,000.00
			1P/15A Breaker	EA	4	0%	4	0.50	$ 75.00	$ 37.50	$ 32.00	$ 69.50	$ 278.00
			1P/20A Breaker	EA	60	0%	60	0.50	$ 75.00	$ 37.50	$ 38.00	$ 75.50	$ 4,530.00
			1P/20A GFCI Breaker	EA	2	0%	2	0.50	$ 75.00	$ 37.50	$ 52.00	$ 89.50	$ 179.00
			2P/15A Breaker	EA	1	0%	1	0.65	$ 75.00	$ 48.75	$ 68.00	$ 116.75	$ 116.75
			2P/20A Breaker	EA	2	0%	2	0.65	$ 75.00	$ 48.75	$ 72.00	$ 120.75	$ 241.50
65			Panel RP-2B2: 225A, 208/120V, 3Ph, 4W, Mains: MLO, 22KAIC, 60 Pole: Surfac	EA	1	0%	1	10.00	$ 75.00	$ 750.00	$ 4,850.00	$ 5,600.00	$ 5,600.00
			1P/20A Breaker	EA	41	0%	41	0.50	$ 75.00	$ 37.50	$ 38.00	$ 75.50	$ 3,095.50
			1P/20A GFCI Breaker	EA	1	0%	1	0.50	$ 75.00	$ 37.50	$ 52.00	$ 89.50	$ 89.50
			2P/25A Breaker	EA	1	0%	1	0.85	$ 75.00	$ 63.75	$ 125.00	$ 188.75	$ 188.75
			1P/15A Breaker	EA	10	0%	10	0.50	$ 75.00	$ 37.50	$ 32.00	$ 69.50	$ 695.00
66			Panel LP-1AA: 400A, 480/277V, 3Ph, 4W, Mains: MCB, 14KAIC, 42 Pole, Surfa	EA	1	0%	1	12.00	$ 75.00	$ 900.00	$ 7,250.00	$ 8,150.00	$ 8,150.00
			1P/20A Breaker	EA	9	0%	9	0.50	$ 75.00	$ 37.50	$ 42.00	$ 79.50	$ 715.50
			3P/45A Breaker	EA	1	0%	1	1.00	$ 75.00	$ 75.00	$ 285.00	$ 360.00	$ 360.00
			3P/90A Breaker	EA	1	0%	1	1.50	$ 75.00	$ 112.50	$ 485.00	$ 597.50	$ 597.50
			3P/110A Breaker	EA	1	0%	1	1.50	$ 75.00	$ 112.50	$ 585.00	$ 697.50	$ 697.50
			3P/400A MCB	EA	1	0%	1	3.50	$ 75.00	$ 262.50	$ 2,450.00	$ 2,712.50	$ 2,712.50
67			Panel DP-1A: 600A, 208Y/120V, 3PH, 4W, Main: MCB, 21 Pole, 42KAIC Rated,	EA	1	0%	1	14.00	$ 75.00	$ 1,050.00	$ 12,500.00	$ 13,550.00	$ 13,550.00
			3P/100A Breaker	EA	1	0%	1	1.20	$ 75.00	$ 90.00	$ 385.00	$ 475.00	$ 475.00
			3P/200A Breaker	EA	4	0%	4	2.00	$ 75.00	$ 150.00	$ 985.00	$ 1,135.00	$ 4,540.00
			3P/500A MCB	EA	1	0%	1	3.50	$ 75.00	$ 262.50	$ 2,850.00	$ 3,112.50	$ 3,112.50
68			Panel DP-2A: 600A, 208Y/120V, 3PH, 4W, Main: MCB, 21 Pole, 42KAIC Rated,	EA	1	0%	1	14.00	$ 75.00	$ 1,050.00	$ 12,500.00	$ 13,550.00	$ 13,550.00
			3P/100A Breaker	EA	1	0%	1	1.20	$ 75.00	$ 90.00	$ 385.00	$ 475.00	$ 475.00
			3P/150A Breaker	EA	3	0%	3	1.50	$ 75.00	$ 112.50	$ 585.00	$ 697.50	$ 2,092.50
			3P/200A Breaker	EA	1	0%	1	2.00	$ 75.00	$ 150.00	$ 985.00	$ 1,135.00	$ 1,135.00
			3P/500A MCB	EA	1	0%	1	3.50	$ 75.00	$ 262.50	$ 2,850.00	$ 3,112.50	$ 3,112.50
69			Panel DP-1AA: 400A, 480Y/277V, 3PH, 4W, Main: MLO, 18 Pole, 42KAIC Rate	EA	1	0%	1	12.00	$ 75.00	$ 900.00	$ 9,850.00	$ 10,750.00	$ 10,750.00
			3P/60A Breaker	EA	2	0%	2	1.00	$ 75.00	$ 75.00	$ 285.00	$ 360.00	$ 720.00
			3P/100A Breaker	EA	1	0%	1	1.20	$ 75.00	$ 90.00	$ 385.00	$ 475.00	$ 475.00
			3P/200A Breaker	EA	1	0%	1	2.00	$ 75.00	$ 150.00	$ 985.00	$ 1,135.00	$ 1,135.00
			3P/250A Breaker	EA	1	0%	1	2.50	$ 75.00	$ 187.50	$ 1,450.00	$ 1,637.50	$ 1,637.50
70			Panel DP-2AA: 400A, 408Y/277V, 3PH, 4W, Main: MLO, 18 Pole, Floor Mounte	EA	1	0%	1	12.00	$ 75.00	$ 900.00	$ 9,850.00	$ 10,750.00	$ 10,750.00
			3P/40A Breaker	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 165.00	$ 228.75	$ 457.50
			3P/60A Breaker	EA	2	0%	2	1.00	$ 75.00	$ 75.00	$ 285.00	$ 360.00	$ 720.00
			3P/250A Breaker	EA	1	0%	1	2.50	$ 75.00	$ 187.50	$ 1,450.00	$ 1,637.50	$ 1,637.50

DETAILED BREAKDOWN OF ITEMS

Prepared for: New Eastpointe Police / Court Building And Gun Range
Project ID: 1052026
Scope: Electrical

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
71			Panel DP-1BB: 200A, 480Y/277V, 3PH, 4W, Main: MLO, 18 Pole, 42KAIC Rated, Floor Mounted NEMA 1 Note 4: Panel Shall Include All Components And Accessories Necessary For A Complete Ashra 90.1 Compliance Energy Monitoring System To Provide Metering By Category As Indicated In Ashra 90.1 For Hvac Systems, Exterior Lighting, Interior Lighting And Receptacles. System To Include The Meter Module Strips To Monitor Each Individual Circuit, Meter Base For Data Acquisition, And Touch Screen Display For Reviewing The Data Collected. In Addition, The System Shall Include Bacnet Or Modbus Rtu Or Tcp Interface For Connection To The Building Management System (BMS). Coordinate Interface Requirements With The Temperature Controls Contractor In The Field Prior To Ordering Of The Metering System.	EA	1	0%	1	12.00	$ 75.00	$ 900.00	$ 11,500.00	$ 12,400.00	$ 12,400.00
			3P/15A Breaker	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 225.00	$ 288.75	$ 577.50
			3P/60A Breaker	EA	2	0%	2	1.00	$ 75.00	$ 75.00	$ 285.00	$ 360.00	$ 720.00
72			Panel DP-2BB: 600A, 480Y/277V, 3PH, 4W, Main: MLO, 21 Pole, 42KAIC Rated	EA	1	0%	1	14.00	$ 75.00	$ 1,050.00	$ 12,500.00	$ 13,550.00	$ 13,550.00
			3P/40A Breaker	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 165.00	$ 228.75	$ 457.50
			3P/60A Breaker	EA	2	0%	2	1.00	$ 75.00	$ 75.00	$ 285.00	$ 360.00	$ 720.00
			3P/100A Breaker	EA	1	0%	1	1.20	$ 75.00	$ 90.00	$ 385.00	$ 475.00	$ 475.00
			3P/300A Breaker	EA	1	0%	1	2.50	$ 75.00	$ 187.50	$ 1,850.00	$ 2,037.50	$ 2,037.50
73			Panel DP-2MAA: 400A, 480Y/277V, 3PH, 4W, Main: MLO, 18 Pole, 42KAIC Rated, Foor Mounted, NEMA 1 Note 4: Panel Shall Include All Components And Accessories Necessary For A Complete Ashra 90.1 Compliance Energy Monitoring System To Provide Metering By Category As Indicated In Ashra 90.1 For Hvac Systems, Exterior Lighting, Interior Lighting And Receptacles. System To Include The Meter Module Strips To Monitor Each Individual Circuit, Meter Base For Data Acquisition, And Touch Screen Display For Reviewing The Data Collected. In Addition, The System Shall Include Bacnet Or Modbus Rtu Or Tcp Interface For Connection To The Building Management System (BMS). Coordinate Interface Requirements With The Temperature Controls Contractor In The Field Prior To Ordering Of The Metering System.	EA	1	0%	1	12.00	$ 75.00	$ 900.00	$ 11,500.00	$ 12,400.00	$ 12,400.00
			3P/25A Breaker	EA	1	0%	1	0.85	$ 75.00	$ 63.75	$ 185.00	$ 248.75	$ 248.75
			3P/40A Breaker	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 165.00	$ 228.75	$ 457.50
			3P/60A Breaker	EA	1	0%	1	1.00	$ 75.00	$ 75.00	$ 285.00	$ 360.00	$ 360.00
			3P/70A Breaker	EA	1	0%	1	1.00	$ 75.00	$ 75.00	$ 325.00	$ 400.00	$ 400.00
74			Panel DP-2MBB: 400A, 480Y/277V, 3PH, 4W, Main: MLO, 24 Pole, 42KAIC Rated, Floor Mounted, NEMA 1 Note 4: Panel Shall Include All Components And Accessories Necessary For A Complete Ashra 90.1 Compliance Energy Monitoring System To Provide Metering By Category As Indicated In Ashra 90.1 For Hvac Systems, Exterior Lighting, Interior Lighting And Receptacles. System To Include The Meter Module Strips To Monitor Each Individual Circuit, Meter Base For Data Acquisition, And Touch Screen Display For Reviewing The Data Collected. In Addition, The System Shall Include Bacnet Or Modbus Rtu Or Tcp Interface For Connection To The Building Management System (BMS). Coordinate Interface Requirements With The Temperature Controls Contractor In The Field Prior To Ordering Of The Metering System.	EA	1	0%	1	12.00	$ 75.00	$ 900.00	$ 11,500.00	$ 12,400.00	$ 12,400.00
			3P/15A Breaker	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 225.00	$ 288.75	$ 577.50
			3P/40A Breaker	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 165.00	$ 228.75	$ 457.50
			3P/60A Breaker	EA	1	0%	1	1.00	$ 75.00	$ 75.00	$ 285.00	$ 360.00	$ 360.00
			3P/70A Breaker	EA	1	0%	1	1.00	$ 75.00	$ 75.00	$ 325.00	$ 400.00	$ 400.00
			3P/90A Breaker	EA	1	0%	1	1.50	$ 75.00	$ 112.50	$ 485.00	$ 597.50	$ 597.50
75			Panel DP-EM1AA: 200A, 480Y/277V, 3PH, 4W, Main: MLO, 24 Pole, 42KAIC R	EA	1	0%	1	10.00	$ 75.00	$ 750.00	$ 7,850.00	$ 8,600.00	$ 8,600.00
			3P/40A Breaker	EA	1	0%	1	0.85	$ 75.00	$ 63.75	$ 165.00	$ 228.75	$ 228.75
			3P/60A Breaker	EA	6	0%	6	1.00	$ 75.00	$ 75.00	$ 285.00	$ 360.00	$ 2,160.00
76			Panel DP-GEN: 1200A, 480/277V, 3PH, 4W, Main: MLO, 27 Pole, 656KAIC Rat	EA	1	0%	1	24.00	$ 75.00	$ 1,800.00	$ 28,500.00	$ 30,300.00	$ 30,300.00
			3P/100A Breaker	EA	1	0%	1	1.20	$ 75.00	$ 90.00	$ 385.00	$ 475.00	$ 475.00
			3P/200A Breaker	EA	1	0%	1	2.00	$ 75.00	$ 150.00	$ 985.00	$ 1,135.00	$ 1,135.00
			3P/400A Breaker	EA	3	0%	3	3.50	$ 75.00	$ 262.50	$ 2,450.00	$ 2,712.50	$ 8,137.50
			3P/450A Breaker	EA	2	0%	2	3.50	$ 75.00	$ 262.50	$ 2,650.00	$ 2,912.50	$ 5,825.00
			3P/600A Breaker	EA	1	0%	1	4.50	$ 75.00	$ 337.50	$ 4,850.00	$ 5,187.50	$ 5,187.50
			Transient Voltage Surge Suppression	EA	1	0%	1	2.00	$ 75.00	$ 150.00	$ 1,850.00	$ 2,000.00	$ 2,000.00
77			Panel MDP: 1600A, 480Y/277V, 3PH, 4W, Main: MCB, 36 Pole, 65KAIC Rated,	EA	1	0%	1	28.00	$ 75.00	$ 2,100.00	$ 38,500.00	$ 40,600.00	$ 40,600.00
			3P/100A Breaker	EA	2	0%	2	1.20	$ 75.00	$ 90.00	$ 385.00	$ 475.00	$ 950.00
			3P/200A Breaker	EA	1	0%	1	2.00	$ 75.00	$ 150.00	$ 985.00	$ 1,135.00	$ 1,135.00
			3P/400A Breaker	EA	4	0%	4	3.50	$ 75.00	$ 262.50	$ 2,450.00	$ 2,712.50	$ 10,850.00
			3P/600A Breaker	EA	1	0%	1	4.50	$ 75.00	$ 337.50	$ 4,850.00	$ 5,187.50	$ 5,187.50
			3P/1600A LSIG MCB	EA	1	0%	1	8.00	$ 75.00	$ 600.00	$ 12,500.00	$ 13,100.00	$ 13,100.00
			Transient Voltage Surge Suppression	EA	1	0%	1	2.00	$ 75.00	$ 150.00	$ 1,850.00	$ 2,000.00	$ 2,000.00
			DEVICES										
78			T-1A: 150kVA, 480-208Y/120V, 3PH, 4W Transformer	EA	1	0%	1	10.00	$ 75.00	$ 750.00	$ 5,800.00	$ 6,550.00	$ 6,550.00
79			T-2A: 150kVA, 480-208Y/120V, 3PH, 4W Transformer	EA	1	0%	1	10.00	$ 75.00	$ 750.00	$ 5,800.00	$ 6,550.00	$ 6,550.00
80			T-EMA: 300kVA, 480-208Y/120V, 3PH, 4W Transformer	EA	1	0%	1	14.00	$ 75.00	$ 1,050.00	$ 11,500.00	$ 12,550.00	$ 12,550.00
81			ATS--EM: 200A, 480Y/277V, 3PH, 4W, 4 Pole Automatic Transfer Switched	EA	1	0%	1	10.00	$ 75.00	$ 750.00	$ 12,500.00	$ 13,250.00	$ 13,250.00
82			ATS-1A: 400A, 480Y/277V, 3PH, 4W, 4 Pole Automatic Transfer Switched Neut	EA	1	0%	1	12.00	$ 75.00	$ 900.00	$ 18,500.00	$ 19,400.00	$ 19,400.00
83			ATS-2B: 400A, 480Y/277V, 3PH, 4W, 4 Pole Automatic Transfer Switched Neut	EA	1	0%	1	12.00	$ 75.00	$ 900.00	$ 18,500.00	$ 19,400.00	$ 19,400.00
84			ATS-2A: 400A, 480Y/277V, 3PH, 4W, 4 Pole Automatic Transfer Switched Neut	EA	1	0%	1	12.00	$ 75.00	$ 900.00	$ 18,500.00	$ 19,400.00	$ 19,400.00
85			ATS-3B: 600A, 480Y/277V, 3PH, 4W, 4 Pole Automatic Transfer Switched Neut	EA	1	0%	1	14.00	$ 75.00	$ 1,050.00	$ 24,500.00	$ 25,550.00	$ 25,550.00
86			DTE Energy Utility Metering Cabinet And Display	EA	1	0%	1	8.00	$ 75.00	$ 600.00	$ 3,850.00	$ 4,450.00	$ 4,450.00
87			Generator Paralleling Control Cabinet	EA	1	0%	1	16.00	$ 75.00	$ 1,200.00	$ 18,500.00	$ 19,700.00	$ 19,700.00
88			Generator Remote Annunciator Panel	EA	1	0%	1	6.00	$ 75.00	$ 450.00	$ 2,850.00	$ 3,300.00	$ 3,300.00
	E201, E202, E203, E204, E212, E213, E214, E220, E300, E301, E302, E310, E311, E312, E313, E314, E315, E316, E400, E401		**DISCONNECT SWITCH**										
89		**Rating Assumed From Panel**	1P/15A Disconnect Switch	EA	2	0%	2	0.50	$ 75.00	$ 37.50	$ 32.00	$ 69.50	$ 139.00
90			1P/20A Disconnect Switch, NEMA-1	EA	15	0%	15	0.50	$ 75.00	$ 37.50	$ 38.00	$ 75.50	$ 1,132.50
91			1P/20A Non-Fusible Disconnect Switch, NEMA-1	EA	2	0%	2	0.50	$ 75.00	$ 37.50	$ 42.00	$ 79.50	$ 159.00
92			1P/30A Non Fusible Disconnect Switch, NEMA-1	EA	1	0%	1	0.65	$ 75.00	$ 48.75	$ 52.00	$ 100.75	$ 100.75
93			2P/30A Disconnect Switch, GFCI, WP, NEMA 3R	EA	1	0%	1	1.00	$ 75.00	$ 75.00	$ 225.00	$ 300.00	$ 300.00
94			3P/15A Disconnect Switch, NEMA1 Rating Assumed From Panel	EA	2	0%	2	0.65	$ 75.00	$ 48.75	$ -	$ 48.75	$ 97.50
95		**Furnished By Mechanical Trade With Equipment**	3P/15A Disconnect Switch, NEMA 3R Rating Assumed From Panel	EA	2	0%	2	0.65	$ 75.00	$ 48.75	$ -	$ 48.75	$ 97.50
96			3P/25A Disconnect Switch, NEMA 3R Rating Assumed From Panel	EA	1	0%	1	0.85	$ 75.00	$ 63.75	$ -	$ 63.75	$ 63.75
97			3P/40A Disconnect Switch, NEMA 3R Rating Assumed From Panel	EA	2	0%	2	1.00	$ 75.00	$ 75.00	$ -	$ 75.00	$ 150.00
98			3P/60A Disconnect Switch, NEMA 3R Rating Assumed From Panel	EA	1	0%	1	1.20	$ 75.00	$ 90.00	$ -	$ 90.00	$ 90.00
99			3P/60AS/40AF Heavy Duty Fused Disconnect Switch NEMA 1 With Dual - Eleme	EA	4	0%	4	1.50	$ 75.00	$ 112.50	$ 585.00	$ 697.50	$ 2,790.00
100			3P/70A Disconnect Switch, NEMA 3R Rating Assumed From Panel	EA	2	0%	2	1.00	$ 75.00	$ 75.00	$ -	$ 75.00	$ 150.00
101		**Furnished By Mechanical Trade With Equipment**	3P/90A Disconnect Switch, NEMA 3R Rating Assumed From Panel	EA	1	0%	1	1.50	$ 75.00	$ 112.50	$ -	$ 112.50	$ 112.50
			GROUNDING										
102			5/8"x8' CU Ground Rod	EA	4	0%	4	0.50	$ 75.00	$ 37.50	$ 18.50	$ 56.00	$ 224.00
103			5/8"x10' CU Ground Rod	EA	12	0%	12	0.65	$ 75.00	$ 48.75	$ 28.50	$ 77.25	$ 927.00
104			3/4"x10' CU Ground Rod	EA	7	0%	7	0.85	$ 75.00	$ 63.75	$ 38.50	$ 102.25	$ 715.75
105			Main Ground Bus Bar	EA	2	0%	2	1.50	$ 75.00	$ 112.50	$ 185.00	$ 297.50	$ 595.00
106			4" High x 1/4" Thick x 8' Long Copper Ground Bar	EA	1	0%	1	2.00	$ 75.00	$ 150.00	$ 425.00	$ 575.00	$ 575.00
107			4" High x 1/4" Thick Copper Ground Bar	EA	2	0%	2	1.50	$ 75.00	$ 112.50	$ 225.00	$ 337.50	$ 675.00
108			#250 KCMIL CU Bonding Jumper	EA	1	0%	1	0.85	$ 75.00	$ 63.75	$ 12.50	$ 76.25	$ 76.25
109			#3/0 CU Jumper	EA	1	10%	1	0.65	$ 75.00	$ 48.75	$ 8.50	$ 57.25	$ 62.98
110			#6 CU Grounding Conductor	LF	160	10%	176	0.01	$ 75.00	$ 0.90	$ 1.85	$ 2.75	$ 484.00
111			#4 Bare Copper Grounding Conductor	LF	106	10%	117	0.01	$ 75.00	$ 0.75	$ 1.20	$ 1.95	$ 227.37
112			#2 CU Grounding Conductor	LF	60	10%	66	0.02	$ 75.00	$ 1.13	$ 3.85	$ 4.98	$ 328.35
113			#3/0 Bare Copper Grounding Conductor	LF	20	10%	22	0.02	$ 75.00	$ 1.65	$ 7.85	$ 9.50	$ 209.00
114			#3/0 CU Grounding Conductor	LF	180	10%	198	0.03	$ 75.00	$ 1.88	$ 9.20	$ 11.08	$ 2,192.85
115			#4/0 CU Grounding Conductor	LF	6	10%	7	0.03	$ 75.00	$ 2.25	$ 12.50	$ 14.75	$ 97.35
116			#4/0 Bare Copper Grounding Conductor	LF	160	10%	176	0.03	$ 75.00	$ 1.88	$ 11.20	$ 13.08	$ 2,301.20
117			1" PVC SCH 40 Conduit	LF	40	10%	44	0.05	$ 75.00	$ 3.75	$ 2.64	$ 6.39	$ 281.16
			POWER										
			CONDUIT										
118			1/2" EMT Conduit	LF	245	10%	270	0.04	$ 75.00	$ 3.00	$ 1.82	$ 4.82	$ 1,297.64
119			3/4" EMT Conduit	LF	31280	10%	34407	0.05	$ 75.00	$ 3.38	$ 2.42	$ 5.80	$ 199,391.43
120			1" EMT Conduit	LF	99	10%	109	0.06	$ 75.00	$ 4.13	$ 3.25	$ 7.37	$ 802.35
121			3/4" PVC SCH 40 Conduit	LF	354	10%	389	0.05	$ 75.00	$ 3.75	$ 2.64	$ 6.39	$ 2,488.27
122			3/4" RGS Conduit	LF	375	10%	413	0.10	$ 75.00	$ 7.50	$ 8.91	$ 16.41	$ 6,769.13
			CONDUCTOR										
123			#12 CU THHN/THWN	LF	67972	10%	74769	0.01	$ 75.00	$ 0.38	$ 0.42	$ 0.80	$ 59,441.59
124			#10 CU THHN/THWN	LF	27056	10%	29761	0.01	$ 75.00	$ 0.45	$ 0.62	$ 1.07	$ 31,844.32
125			#8 CU THHN/THWN	LF	198	10%	218	0.01	$ 75.00	$ 0.60	$ 0.98	$ 1.58	$ 344.02
			DEVICE										
126			2HP Equipment Connection	EA	1	0%	1	1.50	$ 75.00	$ 112.50	$ 185.00	$ 297.50	$ 297.50
127			3P/60A Equipment Connection	EA	4	0%	4	2.50	$ 75.00	$ 187.50	$ 520.00	$ 707.50	$ 2,830.00
128			3/4HP Equipment Connection	EA	1	0%	1	1.00	$ 75.00	$ 75.00	$ 135.00	$ 210.00	$ 210.00
129			Elevator Controller	EA	4	0%	4	8.00	$ 75.00	$ 600.00	$ 3,850.00	$ 4,450.00	$ 17,800.00
130		**Furnished With Equipment By Mechanical Trade**	Variable Frequency Drive Controller	EA	2	0%	2	3.00	$ 75.00	$ 225.00	$ -	$ 225.00	$ 450.00
131			20A Motor Connection	EA	29	0%	29	1.00	$ 75.00	$ 75.00	$ 85.00	$ 160.00	$ 4,640.00
132			20A Motor Rated Toggle Switch	EA	21	0%	21	0.65	$ 75.00	$ 48.75	$ 95.00	$ 143.75	$ 3,018.75
133			2P/30A Twist Lock Receptacle	EA	3	0%	3	0.85	$ 75.00	$ 63.75	$ 68.00	$ 131.75	$ 395.25
134			50A Special Purpose Receptacle	EA	1	0%	1	1.00	$ 75.00	$ 75.00	$ 125.00	$ 200.00	$ 200.00
135			Double Duplex Receptacle	EA	46	0%	46	0.85	$ 75.00	$ 63.75	$ 32.00	$ 95.75	$ 4,404.50
136			Double Duplex Receptacle, COOPER WAVELINX WR-20	EA	22	0%	22	0.85	$ 75.00	$ 63.75	$ 58.00	$ 121.75	$ 2,678.50
137			Double Duplex Receptacle, Tamper Resistance	EA	26	0%	26	0.85	$ 75.00	$ 63.75	$ 38.00	$ 101.75	$ 2,645.50
138			Duplex Receptacle	EA	170	0%	170	0.50	$ 75.00	$ 37.50	$ 11.00	$ 48.50	$ 8,245.00
139			Duplex Receptacle, COOPER WAVELINX WR-20	EA	74	0%	74	0.50	$ 75.00	$ 37.50	$ 32.00	$ 69.50	$ 5,143.00
140			Duplex Receptacle, COOPER WAVELINX WR-20, GFI	EA	6	0%	6	0.50	$ 75.00	$ 37.50	$ 45.00	$ 82.50	$ 495.00

DETAILED BREAKDOWN OF ITEMS

Prepared for: New Eastpointe Police / Court Building And Gun Range
Project ID: 1052026
Scope: Electrical

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
141			Duplex Receptacle, GFCI	EA	66	0%	66	0.50	$ 75.00	$ 37.50	$ 24.00	$ 61.50	$ 4,059.00
142			Duplex Receptacle, GFCI, Mounted In Locker	EA	60	0%	60	0.55	$ 75.00	$ 41.25	$ 24.00	$ 65.25	$ 3,915.00
143			Duplex Receptacle, GFCI, Tamper Resistant	EA	10	0%	10	0.50	$ 75.00	$ 37.50	$ 28.00	$ 65.50	$ 655.00
144			Duplex Receptacle, GFCI, WP, Tamper Resistant	EA	11	0%	11	0.55	$ 75.00	$ 41.25	$ 38.00	$ 79.25	$ 871.75
145			Duplex Receptacle, Mounted In Locker	EA	8	0%	8	0.55	$ 75.00	$ 41.25	$ 11.00	$ 52.25	$ 418.00
146			Duplex Receptacle, Tamper Resistance	EA	132	0%	132	0.50	$ 75.00	$ 37.50	$ 13.00	$ 50.50	$ 6,666.00
147			EPO Push Button	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 135.00	$ 198.75	$ 397.50
148			Industrial Power Cord Reel With (1) 125V Duplex Receptacle GFCI, 25' Long	EA	2	0%	2	1.50	$ 75.00	$ 112.50	$ 485.00	$ 597.50	$ 1,195.00
149			Manual Motor Starter	EA	3	0%	3	1.00	$ 75.00	$ 75.00	$ 165.00	$ 240.00	$ 720.00
150			Overhead Door Controller Push Button	EA	2	0%	2	0.65	$ 75.00	$ 48.75	$ 85.00	$ 133.75	$ 267.50
151		**Furnished By Architectural Trades, Installed By EC**	Power Associated Door Operator	EA	7	0%	7	0.85	$ 75.00	$ 63.75	$ -	$ 63.75	$ 446.25
152			Power Pack/ Relay	EA	9	0%	9	0.50	$ 75.00	$ 37.50	$ 38.00	$ 75.50	$ 679.50
153			Push Button	EA	14	0%	14	0.55	$ 75.00	$ 41.25	$ 55.00	$ 96.25	$ 1,347.50
154			Rectangular Recessed Flush Floor Box, WIREMOLD "EVOLUTION" SERIES Si	EA	7	0%	7	2.50	$ 75.00	$ 187.50	$ 485.00	$ 672.50	$ 4,707.50
155			Simplex Receptacle, HUBBELL 5361	EA	6	0%	6	0.50	$ 75.00	$ 37.50	$ 18.00	$ 55.50	$ 333.00
156			Single Pole Switch	EA	5	0%	5	0.40	$ 75.00	$ 30.00	$ 15.00	$ 45.00	$ 225.00
157			Wiremold 3000 Series Two-Piece Steel	FT	10	0%	10	0.10	$ 75.00	$ 7.50	$ 18.50	$ 26.00	$ 249.86
			LIGHTING										
			CONDUIT										
158			3/4" EMT Conduit	LF	644	10%	709	0.05	$ 75.00	$ 3.38	$ 2.42	$ 5.80	$ 4,107.09
159			1" EMT Conduit	LF	10945	10%	12040	0.06	$ 75.00	$ 4.13	$ 3.25	$ 7.37	$ 88,733.14
			CONDUCTOR										
160			#12 CU THHN/THWN	LF	1933	10%	2126	0.01	$ 75.00	$ 0.38	$ 0.42	$ 0.80	$ 1,690.32
161			#8 CU THHN/THWN	LF	883	10%	971	0.01	$ 75.00	$ 0.60	$ 0.98	$ 1.58	$ 1,534.95
162			#6 CU THHN/THWN	LF	31953	10%	35148	0.01	$ 75.00	$ 0.75	$ 1.55	$ 2.30	$ 80,840.03
			LIGHTING FIXTURES										
163			EMA: Self Contained Emergency Lighting Fixture, ISOLITE "RELIANCE" SERI	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 245.00	$ 308.75	$ 617.50
164			LA1: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	56	0%	56	0.75	$ 75.00	$ 56.25	$ 145.00	$ 201.25	$ 11,270.00
165			LA1-EM: SIMILAR TO TYPE "LA1" LED Light Fixture, "CRUZE ST" 22CZ2-2	EA	31	0%	31	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 4,107.50
166			LA2: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	24	0%	24	0.75	$ 75.00	$ 56.25	$ 145.00	$ 201.25	$ 4,830.00
167			LA2-EM: Similar To Type "LA2" LED Light Fixture, METALUX "CRUZE ST™	EA	7	0%	7	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 927.50
168			LA3: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	145	0%	145	0.75	$ 75.00	$ 56.25	$ 145.00	$ 201.25	$ 29,181.25
169			LA3-EM: Similar To Type "LA3" Except With Factory Installed UL924 "EPC" Er	EA	15	0%	15	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 1,987.50
170			LA4: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	42	0%	42	0.75	$ 75.00	$ 56.25	$ 145.00	$ 201.25	$ 8,452.50
171			LA4-EM: Similar To Type "LA4" Except With Factory Installed UL924 "EPC" Er	EA	7	0%	7	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 927.50
172			LA5: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	7	0%	7	0.75	$ 75.00	$ 56.25	$ 145.00	$ 201.25	$ 1,408.75
173			LA5-EM: Similar To Type "LA5" Except With Factory Installed UL924 "EPC" Er	EA	2	0%	2	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 265.00
174			LA6: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	1	0%	1	0.75	$ 75.00	$ 56.25	$ 145.00	$ 201.25	$ 201.25
175			LA6-EM: Similar To Type "LA6" Except With Factory Installed UL924 "EPC" Er	EA	1	0%	1	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 132.50
176			LA7-EM: Similar To Type "LA7" Except With Factory Installed UL924 "EPC" Er	EA	1	0%	1	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 132.50
177			LA8: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	2	0%	2	0.75	$ 75.00	$ 56.25	$ 145.00	$ 201.25	$ 402.50
178			LB1: Solid-State Type 2'x4' Recess Mounted Solid-State Lighting Fixture, METAL	EA	19	0%	19	0.85	$ 75.00	$ 63.75	$ 165.00	$ 228.75	$ 4,346.25
179			LB1-EM: Similar To Type "LB1" Except With Factory Installed UL924 "EPC" Er	EA	3	0%	3	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 397.50
180			LB2: Solid-State Type 2'x4' Recess Mounted Solid-State Lighting Fixture, METAL	EA	6	0%	6	0.85	$ 75.00	$ 63.75	$ 165.00	$ 228.75	$ 1,372.50
181			LB3: Solid-State Type 2'x4' Recess Mounted Solid-State Lighting Fixture, METAL	EA	6	0%	6	0.85	$ 75.00	$ 63.75	$ 165.00	$ 228.75	$ 1,372.50
182			LB3-EM: Similar To Type "LB3" Except With Factory Installed UL924 "EPC" Er	EA	1	0%	1	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 132.50
183			LC1: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fixt	EA	52	0%	52	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 11,115.00
184			LC2: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fixt	EA	46	0%	46	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 9,832.50
185			LC3: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fixt	EA	3	0%	3	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 641.25
186			LC4: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fixt	EA	28	0%	28	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 5,985.00
187			LC5: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fixt	EA	33	0%	33	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 7,053.75
188			LC6: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fixt	EA	4	0%	4	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 855.00
189			LC7: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fixt	EA	33	0%	33	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 7,053.75
190			LC8: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fixt	EA	4	0%	4	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 855.00
191			LD1: Solid-State Type (AKA "LED") Suspended Lensed Strip Light Fixture, MET	EA	4	0%	4	0.85	$ 75.00	$ 63.75	$ 185.00	$ 248.75	$ 995.00
192			LD2: Solid-State Type (AKA "LED") Suspended Lensed Strip Light Fixture, MET	EA	6	0%	6	0.85	$ 75.00	$ 63.75	$ 185.00	$ 248.75	$ 1,492.50
193			LD2-EM: Similar To Type "LD2" Except With Factory Installed UL924 "EPC" Er	EA	4	0%	4	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 530.00
194			LD3: Solid-State Type (AKA "LED") Surface Mounted Lensed Strip Light Fixture	EA	1	0%	1	0.85	$ 75.00	$ 63.75	$ 185.00	$ 248.75	$ 248.75
195			LD4: Solid-State Type (AKA "LED") Surface Mounted Lensed Strip Ligh	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 185.00	$ 248.75	$ 497.50
196			LE1: Solid-State Type (AKA "LED") Suspended Lensed Strip Light Fixture, MET	EA	5	0%	5	0.85	$ 75.00	$ 63.75	$ 185.00	$ 248.75	$ 1,243.75
197			LE1-EM: Similar To Type "LE1" Except With Factory Installed UL924 "EPC" Er	EA	1	0%	1	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 132.50
198			LE2: Solid-State Type (AKA "LED") Suspended Lensed Strip Light Fixture, MET	EA	5	0%	5	0.85	$ 75.00	$ 63.75	$ 185.00	$ 248.75	$ 1,243.75
199			LE2-EM: Similar To Type "LE2" Except With Factory Installed UL924 "EPC" Er	EA	3	0%	3	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 397.50
200			LF1: Solid-State Type (AKA "LED") Recess Mounted 1'x4' Confinement/Correcti	EA	6	0%	6	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 1,282.50
201			LF2: Solid-State Type (AKA "LED") Recess Mounted 1'x4' Confinement/Correcti	EA	6	0%	6	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 1,282.50
202			LG1: Solid-State Type 2" Wide Narrow Aperture Wall Mounted Direct / Indirect L	EA	2	0%	2	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 427.50
203			LG2: Solid-State Type 2" Wide Narrow Aperture Wall Mounted Direct / Indirect L	EA	1	0%	1	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 213.75
204			LG3: Solid-State Type 2" Wide Narrow Aperture Wall Mounted Direct / Indirect L	EA	4	0%	4	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 855.00
205			LG4: Solid-State Type 2" Wide Narrow Aperture Wall Mounted Direct/Indirect Li	EA	1	0%	1	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 213.75
206			LH1: Solid-State Type 2'x2' Recess Mounted Edge Lit Flat Panel Lighting Fixture,	EA	14	0%	14	0.75	$ 75.00	$ 56.25	$ 145.00	$ 201.25	$ 2,817.50
207			LH2: Solid-State Type 2'x2' Recess Mounted Edge Lit Flat Panel Lighting Fixture,	EA	19	0%	19	0.75	$ 75.00	$ 56.25	$ 145.00	$ 201.25	$ 3,823.75
208			LH2-EM: Similar To Type "LH2" Except With Factory Installed UL924 "EPC" Er	EA	5	0%	5	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 662.50
209			LH3: Solid-State Type 2'x2' Recess Mounted Edge Lit Flat Panel Lighting Fixture,	EA	3	0%	3	0.75	$ 75.00	$ 56.25	$ 145.00	$ 201.25	$ 603.75
210			LJ: Solid-State Type 2.6" Wide X 3" High Linear Suspended Direct/Indirect Light	EA	6	0%	6	0.75	$ 75.00	$ 56.25	$ 185.00	$ 241.25	$ 1,447.50
211			LJ-EM: Similar To Type "LJ" Except With Factory Installed UL924 "EPC" Emerg	EA	8	0%	8	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 1,060.00
212			LK1: Solid-State Type 2.1" Wide Narrow Aperture Recessed Light Fixture With A	EA	2	0%	2	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 427.50
213			LK1-EM: Similar To Type "LK1" Except With Factory Installed UL924 "EPC" Er	EA	2	0%	2	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 265.00
214			LK2: Solid-State Type 2.1" Wide Narrow Aperture Recessed Light Fixture With A	EA	3	0%	3	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 641.25
215			LK2-EM: Similar To Type "LK2" Except With Factory Installed UL924 "EPC" Er	EA	5	0%	5	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 662.50
216			LK3: Solid-State Type 2.1" Wide Narrow Aperture Recessed Light Fixture With A	EA	8	0%	8	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 1,710.00
217			LK3-EM: Similar To Type "LK3" Except With Factory Installed UL924 "EPC" Er	EA	2	0%	2	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 265.00
218			LK4: Solid-State Type 2.1" Wide Narrow Aperture Recessed Light Fixture, CORE	EA	8	0%	8	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 1,710.00
219			LK4-EM: Similar To Type "LK4" Except With Factory Installed UL924 "EPC" Er	EA	1	0%	1	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 132.50
220			LL-EM: Similar To Type "LL" Except With Factory Installed UL924 "ETRD" Em	EA	1	0%	1	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 132.50
221			LM1: Solid-State Type 2.6" Wide X 3" High Linear Suspended Direct Light Fixtu	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 185.00	$ 248.75	$ 497.50
222			LM2: Solid-State Type 2.6" Wide X 3" High Linear Suspended Direct Light Fixtu	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 185.00	$ 248.75	$ 497.50
223			LM2-EM: Similar To Type "LM2" Except With Factory Installed UL924 "EPC" E	EA	2	0%	2	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 265.00
224			LM3: Solid-State Type 2.6" Wide X 3" High Linear Suspended Direct Light Fixtu	EA	3	0%	3	0.85	$ 75.00	$ 63.75	$ 185.00	$ 248.75	$ 746.25
225			LM3-EM: Similar To Type "LM2" Except With Factory Installed UL924 "EPC" E	EA	1	0%	1	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 132.50
226			LN: Solid-State Surface Wall Mounted Vanity Light Fixture, OXYGEN LIGHTIN	EA	7	0%	7	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 927.50
227			LO: LED Type Recess Mounted Round Open Adjustable Accent Light Fixture, 4.5	EA	35	0%	35	0.75	$ 75.00	$ 56.25	$ 185.00	$ 241.25	$ 8,443.75
228			LP1: Solid-State Type Triangle Shaped Decorative Pendant Mounted, Direct/Indir	EA	6	0%	6	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 795.00
229			LP2: Solid-State Type Triangle Shaped Decorative Pendant Mounted, Direct/Indir	EA	6	0%	6	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 795.00
230			LP3: Solid-State Type Triangle Shaped Decorative Pendant Mounted, Direct/Indir	EA	3	0%	3	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 397.50
231			LR1: Solid-State Type Triangle Shaped Decorative Pendant Mounted, Direct/Indir	EA	6	0%	6	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 795.00
232			LR2: Solid-State Type Triangle Shaped Decorative Pendant Mounted, Direct/Indir	EA	6	0%	6	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 795.00
233			LS: Solid-State Type Surface Mounted Enclosed And Gasketed Fiberglass Extrem	EA	16	0%	16	0.75	$ 75.00	$ 56.25	$ 185.00	$ 241.25	$ 3,860.00
234			OF1: LED Full Cut-Off Type Wall Mounted Luminaire, MCGRAW-EDISON	EA	1	0%	1	0.75	$ 75.00	$ 56.25	$ 185.00	$ 241.25	$ 241.25
235			OF2-EM: LED FULL Cut-Off Type Wall Mounted Luminaire, MCGRAW-EDISC	EA	1	0%	1	0.75	$ 75.00	$ 56.25	$ 185.00	$ 241.25	$ 241.25
236			OF3: LED Full Cut-Off Type Wall Mounted Luminaire, MCGRAW-EDISON "GE	EA	3	0%	3	0.75	$ 75.00	$ 56.25	$ 185.00	$ 241.25	$ 723.75
237			OF4: LED Full Cut-Off Type Wall Mounted Luminaire, MCGRAW-EDISON "GE	EA	1	0%	1	0.75	$ 75.00	$ 56.25	$ 185.00	$ 241.25	$ 241.25
238			OG: LED Type Surface Wall Mounted Cylinder Type Light, MARVIK UMV-300	EA	2	0%	2	1.50	$ 75.00	$ 112.50	$ 485.00	$ 597.50	$ 1,195.00
239			OG EM: LED Type Surface Wall Mounted Cylinder Type Light, MARVIK UMV-	EA	9	0%	9	0.75	$ 75.00	$ 56.25	$ 185.00	$ 241.25	$ 2,171.25
240			OJ1: Solid-State Type 2-1/2" Wide Narrow Aperture Surface Mullion Mounted Lit	EA	1	0%	1	0.75	$ 75.00	$ 56.25	$ 185.00	$ 241.25	$ 241.25
241			OJ2 EM (EA 1): Solid-State Type 2-1/2" Wide Narrow Aperture Surface Mullion I	LF	24	0%	24	0.75	$ 75.00	$ 56.25	$ 185.00	$ 241.25	$ 5,804.48
242			OK: LED Type Flush Grade Mounted "In-Ground" Light Fixture, WE-EF "ETC13	EA	4	0%	4	2.00	$ 75.00	$ 150.00	$ 985.00	$ 1,135.00	$ 4,540.00
243			XA: Universal Mounting "Exit" Light Fixture, ISOLITE "RL" SERIES RL-AC-R	EA	53	0%	53	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 7,022.50
244			XB: Similar To Type "XA" Eexcept Double Face.	EA	7	0%	7	0.50	$ 75.00	$ 37.50	$ 95.00	$ 132.50	$ 927.50
245			Emergency Battery Unit, Wall Mounted	EA	2	0%	2	1.00	$ 75.00	$ 75.00	$ 165.00	$ 240.00	$ 480.00
246			Emergency Fixture With Switch-Baypass Device In Driver Channal	EA	1	0%	1	0.85	$ 75.00	$ 63.75	$ 245.00	$ 308.75	$ 308.75
			LIGHTING CONTROL										
247			Switching And Dimming Control Wirelessly Via The, WAVELINX System Of Th	EA	5	0%	5	0.85	$ 75.00	$ 63.75	$ 245.00	$ 308.75	$ 1,543.75
248			3-Way Switch	EA	4	0%	4	0.40	$ 75.00	$ 30.00	$ 18.00	$ 48.00	$ 192.00
249			Automatic Day Light Harvesting And Occupancy Control For Lighting Load Serve	EA	9	0%	9	0.85	$ 75.00	$ 63.75	$ 245.00	$ 308.75	$ 2,778.75
250			Single Pole Switch	EA	10	0%	10	0.40	$ 75.00	$ 30.00	$ 12.00	$ 42.00	$ 420.00
251			Wireless Lighting Control System Dimming Switch pack With Relay 0-10V DC D	EA	25	0%	25	0.85	$ 75.00	$ 63.75	$ 245.00	$ 308.75	$ 7,718.75
252			CS1: Wireless Lighting Control System Wall Mounted Control Station, COO	EA	125	0%	125	1.00	$ 75.00	$ 75.00	$ 385.00	$ 460.00	$ 57,500.00
253			LVLC-019: Wireless Lighting Control System Dimming Switch pack W/ Relay &	EA	6	0%	6	0.85	$ 75.00	$ 63.75	$ 245.00	$ 308.75	$ 1,852.50
254			LVLC-081: Wireless Lighting Control System Dimming Switch pack W/ Relay &	EA	1	0%	1	0.85	$ 75.00	$ 63.75	$ 245.00	$ 308.75	$ 308.75
255			WAC1-02: Lighting Control System Wireless Area Controller	EA	3	0%	3	1.50	$ 75.00	$ 112.50	$ 485.00	$ 597.50	$ 1,792.50
256			Dual Technology Occupancy Sensor, GREENGATE ONW-D-1001-MV-XX	EA	4	0%	4	0.65	$ 75.00	$ 48.75	$ 145.00	$ 193.75	$ 775.00
257			Emergency Bypass Relay, UL924	EA	35	0%	35	0.65	$ 75.00	$ 48.75	$ 165.00	$ 213.75	$ 7,481.25
			MISCELLANEOUS										
258			Junction Box	EA	38	0%	38	0.45	$ 75.00	$ 33.75	$ 12.00	$ 45.75	$ 1,738.50
			SAW CUT										
259			Saw Cut & Repair Concrete Floor For Conduit Installation	LF	306	0%	306	0.30	$ 75.00	$ 22.50	$ 5.50	$ 28.00	$ 8,568.00
												SUBTOTAL	**$ 1,671,287**
			COMMUNICATION										
			TELECOMMUNICATION										
			CONDUIT										
260			3/4" EMT Conduit	LF	1470	10%	1617	0.10	$ 75.00	$ 7.50	$ 13.75	$ 21.25	$ 34,361.25
261			1" EMT Conduit W/ Pull String	LF	180	10%	198	0.06	$ 75.00	$ 4.13	$ 3.25	$ 7.37	$ 1,459.26
262			1-1/2" EMT Conduit W/ Pull String	LF	146	10%	161	0.07	$ 75.00	$ 5.25	$ 6.44	$ 11.69	$ 1,876.61
263			4" EMT Conduit With Pull String	LF	90	10%	99	0.10	$ 75.00	$ 7.50	$ 13.75	$ 21.25	$ 2,103.75
264			3/4" PVC SCH 40 Conduit	LF	169	10%	186	0.10	$ 75.00	$ 7.50	$ 13.75	$ 21.25	$ 3,950.38
			CONDUCTOR										
265			CAT 6 Cable	LF	19308	10%	21239	0.01	$ 75.00	$ 0.60	$ 0.42	$ 1.02	$ 21,663.58
266			Coaxial Cable	LF	1114	10%	1225	0.01	$ 75.00	$ 0.90	$ 0.95	$ 1.85	$ 2,266.91
			DEVICES										
267			Combination Tele/Data Outlet	EA	98	0%	98	0.50	$ 75.00	$ 37.50	$ 28.00	$ 65.50	$ 6,419.00
			RJ45 Connector	EA	196	0%	196	0.20	$ 75.00	$ 15.00	$ 4.50	$ 19.50	$ 3,822.00

DETAILED BREAKDOWN OF ITEMS

Prepared for: New Eastpointe Police / Court Building And Gun Range
Project ID: 1052026
Scope: Electrical

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
			Back Box	EA	98	0%	98	0.30	$ 75.00	$ 22.50	$ 8.00	$ 30.50	$ 2,989.00
			Face Plate	EA	98	0%	98	0.15	$ 75.00	$ 11.25	$ 4.00	$ 15.25	$ 1,494.50
268			Cable TV System Outlet	EA	12	0%	12	0.50	$ 75.00	$ 37.50	$ 22.00	$ 59.50	$ 714.00
			F-Connector	EA	12	0%	12	0.20	$ 75.00	$ 15.00	$ 6.00	$ 21.00	$ 252.00
			Polycarbonate Trim Ring	EA	12	0%	12	0.15	$ 75.00	$ 11.25	$ 8.00	$ 19.25	$ 231.00
			Back Box	EA	12	0%	12	0.30	$ 75.00	$ 22.50	$ 8.00	$ 30.50	$ 366.00
			Face Plate	EA	12	0%	12	0.15	$ 75.00	$ 11.25	$ 4.00	$ 15.25	$ 183.00
269			8' H 3/4" Thick Fire Treated Plywood Backboard	EA	2	0%	2	4.00	$ 75.00	$ 300.00	$ 165.00	$ 465.00	$ 930.00
			SECURITY										
			CONDUIT										
270	E201, E202, E203, E204, E211, E212, E213 & E214		1" EMT Conduit	LF	5138	10%	5652	0.06	$ 75.00	$ 4.13	$ 3.25	$ 7.37	$ 41,653.85
271			3/4" EMT Conduit W/ Pull String	LF	94	10%	104	0.05	$ 75.00	$ 3.38	$ 2.42	$ 5.80	$ 600.03
			CONDUCTOR										
272			CAT 6 Cable	LF	7732	10%	8505	0.01	$ 75.00	$ 0.60	$ 0.42	$ 1.02	$ 8,675.33
273			#18 CU THHN/THWN	LF	10276	10%	11304	0.01	$ 75.00	$ 0.38	$ 0.18	$ 0.56	$ 6,273.57
			DEVICES										
274		Furnished By The Owner's & Installed By Security System Contractor	Card Reader W/ 4-11/16" Square Junction Box With Single Gang Plaster Ring	EA	62	0%	62	1.50	$ 75.00	$ 112.50	$ -	$ 112.50	$ 6,975.00
275			Security System Door Release Device	EA	6	0%	6	1.00	$ 75.00	$ 75.00	$ -	$ 75.00	$ 450.00
276			Security System Panel	EA	2	0%	2	4.00	$ 75.00	$ 300.00	$ -	$ 300.00	$ 600.00
277			Video Surveillance System Camera	EA	102	0%	102	1.50	$ 75.00	$ 112.50	$ -	$ 112.50	$ 11,475.00
			AUDIO/VISUAL SYSTEM										
			CONDUIT										
278			1" EMT Conduit W/ Pull String	LF	81	10%	89	0.06	$ 75.00	$ 4.13	$ 3.25	$ 7.37	$ 652.69
			CONDUCTOR										
279			#16 CU THHN/THWN	LF	161	10%	177	0.01	$ 75.00	$ 0.38	$ 0.32	$ 0.70	$ 123.10
			DEVICES										
280		Furnished By The Owner's & Installed By Security System Contractor	Sound System Microphone Outlet W/ 4" Square x 2-1/8" D Recessed Junction & S	EA	13	0%	13	0.85	$ 75.00	$ 63.75	$ -	$ 63.75	$ 828.75
			MISCELLANEOUS										
281			4-11/16" Square Junction Box	EA	8	0%	8	0.45	$ 75.00	$ 33.75	$ 12.00	$ 45.75	$ 366.00
			SAW CUT										
282			Saw Cut & Repair Concrete Floor For Conduit Installation	LF	169	0%	169	0.30	$ 75.00	$ 22.50	$ 8.00	$ 30.50	$ 5,154.50
												SUBTOTAL	$ 168,910

ELECTRONIC SAFETY AND SECURITY

			FIRE ALARM										
			CONDUIT										
283			3/4" EMT Conduit	LF	3809	10%	4189	0.05	$ 75.00	$ 3.38	$ 2.42	$ 5.80	$ 24,277.73
			CONDUCTOR										
284			#16 CU THHN/THWN	LF	2551	10%	2806	0.01	$ 75.00	$ 0.38	$ 0.32	$ 0.70	$ 1,950.24
285			#14 CU THHN/THWN	LF	5068	10%	5575	0.01	$ 75.00	$ 0.38	$ 0.22	$ 0.60	$ 3,317.10
			DEVICES										
286			Carbon Monoxide Detector	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 145.00	$ 208.75	$ 417.50
287			CO/NO2 Detection Control Panel	EA	2	0%	2	12.00	$ 75.00	$ 900.00	$ 4,850.00	$ 5,750.00	$ 11,500.00
288			Duct Smoke Detector	EA	4	0%	4	1.00	$ 75.00	$ 75.00	$ 245.00	$ 320.00	$ 1,280.00
289			Fire Alarm Audible/Visual Notification Device	EA	25	0%	25	0.75	$ 75.00	$ 56.25	$ 155.00	$ 211.25	$ 5,281.25
290			Fire Alarm Audible/Visual Notification Device 110CD	EA	2	0%	2	0.75	$ 75.00	$ 56.25	$ 165.00	$ 221.25	$ 442.50
291			Fire Alarm Audible/Visual Notification Device 75CD	EA	1	0%	1	0.75	$ 75.00	$ 56.25	$ 145.00	$ 201.25	$ 201.25
292			Fire Alarm Audible/Visual Notification Device, WP	EA	1	0%	1	1.00	$ 75.00	$ 75.00	$ 245.00	$ 320.00	$ 320.00
293			Fire Alarm Control Module	EA	5	0%	5	0.85	$ 75.00	$ 63.75	$ 145.00	$ 208.75	$ 1,043.75
294	E201, E202, E203, E204, E211, E212, E213 & E214		Fire Alarm Control Panel W/ Voice Communication System & Amplifiers or Micr	EA	1	0%	1	12.00	$ 75.00	$ 900.00	$ 4,850.00	$ 5,750.00	$ 5,750.00
295			Fire Alarm Initiating Device	EA	1	0%	1	0.65	$ 75.00	$ 48.75	$ 95.00	$ 143.75	$ 143.75
296			Fire Alarm Manual Pull Station	EA	16	0%	16	0.85	$ 75.00	$ 63.75	$ 95.00	$ 158.75	$ 2,540.00
297			Fire Alarm System Audible/Visual Notification Appliance, Ceiling Mounted	EA	7	0%	7	0.75	$ 75.00	$ 56.25	$ 155.00	$ 211.25	$ 1,478.75
298			Fire Alarm System Control Module	EA	1	0%	1	0.85	$ 75.00	$ 63.75	$ 145.00	$ 208.75	$ 208.75
299		Furnish By Mechanical	Fire Alarm System Duct Smoke Detector	EA	8	0%	8	0.85	$ 75.00	$ 63.75	$ -	$ 63.75	$ 510.00
300			Fire Alarm System Monitor Module	EA	1	0%	1	0.85	$ 75.00	$ 63.75	$ 165.00	$ 228.75	$ 228.75
301			Fire Alarm System Smoke Detector	EA	17	0%	17	0.85	$ 75.00	$ 63.75	$ 125.00	$ 188.75	$ 3,208.75
302			Fire Alarm System Visual Notification Appliance, Ceiling Mounted, 30CD	EA	10	0%	10	0.65	$ 75.00	$ 48.75	$ 125.00	$ 173.75	$ 1,737.50
303			Fire Alarm System Visual Notification Appliance, Wall Mounted, 30CD	EA	23	0%	23	0.65	$ 75.00	$ 48.75	$ 125.00	$ 173.75	$ 3,996.25
304			Fire Alarm Visual Device	EA	32	0%	32	0.65	$ 75.00	$ 48.75	$ 125.00	$ 173.75	$ 5,560.00
305			Fire Alarm Visual Device, 30CD	EA	2	0%	2	0.65	$ 75.00	$ 48.75	$ 125.00	$ 173.75	$ 347.50
306			Cellular Digital Dialer	EA	4	0%	4	2.00	$ 75.00	$ 150.00	$ 685.00	$ 835.00	$ 3,340.00
307			Flow Switch	EA	4	0%	4	0.85	$ 75.00	$ 63.75	$ -	$ 63.75	$ 255.00
308			Heat Detector	EA	1	0%	1	0.85	$ 75.00	$ 63.75	$ 95.00	$ 158.75	$ 158.75
309			Smoke Detector	EA	24	0%	24	0.85	$ 75.00	$ 63.75	$ 125.00	$ 188.75	$ 4,530.00
310			Tamper Switch	EA	6	0%	6	0.85	$ 75.00	$ 63.75	$ -	$ 63.75	$ 382.50
												SUBTOTAL	$ 84,408

	PROJECTED COST	**$2,105,605**
OVERHEAD AND PROFIT	**30%**	**$631,681**
SUBCONTRACTOR MARGIN	**10%**	**$62,280**
INSURANCE	**3%**	**$63,168**
CONTINGENCY	**5%**	**$105,280**
TAX	**6%**	**$78,108**
SUGGESTED BID		**$3,046,123**

Notes:

1. Online sources are used for pricing.
2. Prices can vary depending upon field conditions.

DETAILED BREAKDOWN OF ITEMS

Prepared for: New Eastpointe Police / Court Building And Gun Range
Project ID: 1052026
Scope: Electrical

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
			GENERAL REQUIREMENTS										
1			Permits	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
2			Supervision and Coordination	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 15,500.00
3			Submittals and Shop drawings	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
4			Final Cleaning	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 3,000.00
5			Mobilization Costs	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 7,000.00
6			Temporary Control & Facilities	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 3,000.00
7			Equipment	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 5,500.00
8			Testing & Commissioning	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 2,500.00
9			Scaffolding	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
												SUBTOTAL	**$ 36,500**
			ELECTRICAL										
			DISTRIBUTION										
			CONDUIT										
10			3/4" EMT Conduit	LF	20	10%	22	0.05	$ 75.00	$ 3.38	$ 1.85	$ 5.23	$ 114.95
11			1" EMT Conduit	LF	177	10%	195	0.05	$ 75.00	$ 3.75	$ 2.45	$ 6.20	$ 1,208.71
12			1-1/4" EMT Conduit	LF	94	10%	103	0.06	$ 75.00	$ 4.50	$ 3.20	$ 7.70	$ 793.13
13			2" EMT Conduit	LF	10	10%	11	0.09	$ 75.00	$ 6.38	$ 6.40	$ 12.78	$ 141.51
14			4" EMT Conduit	LF	190	10%	209	0.16	$ 75.00	$ 12.00	$ 18.50	$ 30.50	$ 6,373.83
15			4" PVC SCH 40 Conduit	LF	109	10%	120	0.14	$ 75.00	$ 10.50	$ 9.80	$ 20.30	$ 2,438.44
			CONDUCTOR										
16			#10 CU THHN/THWN	LF	177	10%	195	0.01	$ 75.00	$ 0.90	$ 0.55	$ 1.45	$ 282.68
17			#8 CU THHN/THWN	LF	586	10%	645	0.01	$ 75.00	$ 1.05	$ 0.85	$ 1.90	$ 1,225.45
18			#6 CU THHN/THWN	LF	95	10%	104	0.02	$ 75.00	$ 1.35	$ 1.35	$ 2.70	$ 281.08
19			#3 CU THHN/THWN	LF	299	10%	329	0.03	$ 75.00	$ 1.88	$ 2.85	$ 4.73	$ 1,554.05
20			#2 CU THHN/THWN	LF	281	10%	309	0.03	$ 75.00	$ 2.10	$ 3.45	$ 5.55	$ 1,715.02
21			#1/0 CU THHN/THWN	LF	40	10%	44	0.04	$ 75.00	$ 3.00	$ 5.80	$ 8.80	$ 387.20
22			#600 KCMIL CU THHN/THWN	LF	1196	10%	1316	0.18	$ 75.00	$ 13.50	$ 32.00	$ 45.50	$ 59,859.80
			LUGS										
23			Compression Lug CU With 1-Hole , #8 CU Wire	EA	16	0%	16	0.18	$ 75.00	$ 13.50	$ 4.25	$ 17.75	$ 284.00
24			Heat Shrink Tubing for #8 CU Wire	EA	16	0%	16	0.08	$ 75.00	$ 6.00	$ 1.20	$ 7.20	$ 115.20
25			Compression Lug CU With 1-Hole , #6 CU Wire	EA	4	0%	4	0.20	$ 75.00	$ 15.00	$ 5.85	$ 20.85	$ 83.40
26			Heat Shrink Tubing for #6 CU Wire	EA	4	0%	4	0.08	$ 75.00	$ 6.00	$ 1.45	$ 7.45	$ 29.80
27			Compression Lug CU With 1-Hole , #3 CU Wire	EA	2	0%	2	0.25	$ 75.00	$ 18.75	$ 8.20	$ 26.95	$ 53.90
28			Heat Shrink Tubing for #3 CU Wire	EA	2	0%	2	0.10	$ 75.00	$ 7.50	$ 1.85	$ 9.35	$ 18.70
29			Compression Lug CU With 1-Hole , #2 CU Wire	EA	12	0%	12	0.28	$ 75.00	$ 21.00	$ 9.50	$ 30.50	$ 366.00
30			Heat Shrink Tubing for #2 CU Wire	EA	12	0%	12	0.10	$ 75.00	$ 7.50	$ 2.10	$ 9.60	$ 115.20
31			Compression Lug CU With 1-Hole , #1/0 CU Wire	EA	8	0%	8	0.40	$ 75.00	$ 30.00	$ 14.50	$ 44.50	$ 356.00
32			Heat Shrink Tubing for #1/0 CU Wire	EA	8	0%	8	0.12	$ 75.00	$ 9.00	$ 2.85	$ 11.85	$ 94.80
33			Compression Lug CU With 1-Hole , #600 KCMIL CU Wire	EA	8	0%	8	0.85	$ 75.00	$ 63.75	$ 38.00	$ 101.75	$ 814.00
34			Heat Shrink Tubing for #600 KCMIL CU Wire	EA	8	0%	8	0.18	$ 75.00	$ 13.50	$ 5.20	$ 18.70	$ 149.60
			PANEL & CIRCUIT BREAKER										
35			LP-GRAA: 400A, 480Y/277V, 3Ph, 4W	EA	1	0%	1	18.00	$ 75.00	$ 1,350.00	$ 4,850.00	$ 6,200.00	$ 6,200.00
			3P/400A MCB & TVSS	EA	1	0%	1	4.50	$ 75.00	$ 337.50	$ 1,850.00	$ 2,187.50	$ 2,187.50
			3P/90A Breaker	EA	1	0%	1	1.50	$ 75.00	$ 112.50	$ 425.00	$ 537.50	$ 537.50
			Surge Protective Device	EA	1	0%	1	1.20	$ 75.00	$ 90.00	$ 385.00	$ 475.00	$ 475.00
36			Panel RP-GRA: 225A, 208/120V, 3Ph, 4W, Mains: MCB, 10KAIC, 60 Pole: Surfa	EA	1	0%	1	12.00	$ 75.00	$ 900.00	$ 2,850.00	$ 3,750.00	$ 3,750.00
			1P/15A Breaker	EA	2	0%	2	0.80	$ 75.00	$ 60.00	$ 65.00	$ 125.00	$ 250.00
			1P/20A Breaker	EA	36	0%	36	0.80	$ 75.00	$ 60.00	$ 65.00	$ 125.00	$ 4,500.00
			2P/15A Breaker	EA	1	0%	1	1.20	$ 75.00	$ 90.00	$ 145.00	$ 235.00	$ 235.00
			2P/45A Breaker	EA	1	0%	1	1.50	$ 75.00	$ 112.50	$ 215.00	$ 327.50	$ 327.50
			3P/15A Breaker	EA	1	0%	1	1.60	$ 75.00	$ 120.00	$ 195.00	$ 315.00	$ 315.00
			3P/150A MCB	EA	1	0%	1	3.50	$ 75.00	$ 262.50	$ 825.00	$ 1,087.50	$ 1,087.50
			Surge Protective Device	EA	1	0%	1	1.20	$ 75.00	$ 90.00	$ 385.00	$ 475.00	$ 475.00
			DEVICES										
37			T-GRA: 45kVA, 480-208Y/120V, 3PH, 4W Transformer	EA	1	0%	1	8.00	$ 75.00	$ 600.00	$ 2,850.00	$ 3,450.00	$ 3,450.00
			DISCONNECT SWITCH										
38		**Furnished By M.C & Wired By E.C**	2P/45A Non-Fused Disconnect Switch, WP	EA	1	0%	1	1.50	$ 75.00	$ 112.50	$ -	$ 112.50	$ 112.50
39		**Furnished By Mechanical Contractor**	3P/15A Disconnect Switch	EA	2	0%	2	0.00	$ -	$ -	$ -	$ -	$ -
40			3P/60A Non-Fused Disconnect Switch, WP	EA	1	0%	1	1.80	$ 75.00	$ 135.00	$ 285.00	$ 420.00	$ 420.00
41			3P/200A Non-Fused Disconnect Switch, WP	EA	1	0%	1	4.50	$ 75.00	$ 337.50	$ 850.00	$ 1,187.50	$ 1,187.50
			GROUNDING										
42			3/4"x10' CU Ground Rod	EA	2	0%	2	1.20	$ 75.00	$ 90.00	$ 28.00	$ 118.00	$ 236.00
43			4" High x 1/4" Thick x 2' Long Copper Ground Bar	EA	1	0%	1	1.50	$ 75.00	$ 112.50	$ 95.00	$ 207.50	$ 207.50
44			Ground Bus	EA	2	0%	2	0.40	$ 75.00	$ 30.00	$ 35.00	$ 65.00	$ 130.00
45			Neutral Bus	EA	2	0%	2	0.40	$ 75.00	$ 30.00	$ 35.00	$ 65.00	$ 130.00
46			#2 CU Grounding Conductor	LF	40	10%	44	0.03	$ 75.00	$ 2.10	$ 3.45	$ 5.55	$ 244.20
47			#1/0 CU Grounding Conductor	LF	20	10%	22	0.04	$ 75.00	$ 3.00	$ 5.80	$ 8.80	$ 193.60
			POWER										
	E300, E600, E700 & E710		**CONDUIT**										
48			3/4" EMT Conduit	LF	1822	10%	2005	0.05	$ 75.00	$ 3.38	$ 1.85	$ 5.23	$ 10,473.90
49			3/4" RGS Conduit	LF	112	10%	123	0.07	$ 75.00	$ 5.25	$ 5.50	$ 10.75	$ 1,327.00
			CONDUCTOR										
50			#12 CU THHN/THWN	LF	5311	10%	5842	0.01	$ 75.00	$ 0.83	$ 0.42	$ 1.25	$ 7,272.74
51			#10 CU THHN/THWN	LF	492	10%	541	0.01	$ 75.00	$ 0.90	$ 0.55	$ 1.45	$ 785.17
			DEVICE										
52		**Furnished & Installed By Electrical Contractor**	1P/15A Manual Motor Starter Switch	EA	1	0%	1	0.50	$ 75.00	$ 37.50	$ 78.00	$ 115.50	$ 115.50
53			2P/15A Equipment Connection	EA	1	0%	1	0.60	$ 75.00	$ 45.00	$ 95.00	$ 140.00	$ 140.00
54			15A Motor Rated Switch	EA	2	0%	2	0.50	$ 75.00	$ 37.50	$ 65.00	$ 102.50	$ 205.00
55			Duplex Receptacle	EA	19	0%	19	0.35	$ 75.00	$ 26.25	$ 11.00	$ 37.25	$ 707.75
56			Duplex Receptacle With Tamper Resistant, GFCI, WP	EA	3	0%	3	0.45	$ 75.00	$ 33.75	$ 38.00	$ 71.75	$ 215.25
57			Duplex Receptacle, GFCI	EA	6	0%	6	0.40	$ 75.00	$ 30.00	$ 24.00	$ 54.00	$ 324.00
58			Duplex Receptacle, GFCI, WP	EA	3	0%	3	0.45	$ 75.00	$ 33.75	$ 38.00	$ 71.75	$ 215.25
59			Quad Receptacle	EA	9	0%	9	0.40	$ 75.00	$ 30.00	$ 16.00	$ 46.00	$ 414.00
			LIGHTING										
			CONDUIT										
60			3/4" EMT Conduit	LF	1043	10%	1147	0.05	$ 75.00	$ 3.38	$ 1.85	$ 5.23	$ 5,994.64
			CONDUCTOR										
61			CAT5 Cable	LF	757	10%	833	0.02	$ 75.00	$ 1.35	$ 0.55	$ 1.90	$ 1,582.13
62			#12 CU THHN/THWN	LF	3080	10%	3388	0.01	$ 75.00	$ 0.83	$ 0.42	$ 1.25	$ 4,218.06
63			#10 CU THHN/THWN	LF	49	10%	54	0.01	$ 75.00	$ 0.90	$ 0.55	$ 1.45	$ 78.16
			LIGHTING FIXTURES										
64			LD2: Solid-State Type (AKA "LED") Suspended Lensed Strip Light Fixture, MET	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 165.00	$ 228.75	$ 457.50
65			LG1.EM: Solid-State Type 2' Wide Narrow Aperture Wall Mounted Direct / Indir	EA	2	0%	2	1.10	$ 75.00	$ 82.50	$ 385.00	$ 467.50	$ 935.00
66			LH3: Solid-State Type 2'x2' Recess Mounted Edge Lit Flat Panel Lighting Fixture,	EA	1	0%	1	0.60	$ 75.00	$ 45.00	$ 145.00	$ 190.00	$ 190.00
67			LN: Solid-State Surface Wall Mounted Vanity Light Fixture, OXYGEN LIGHTIN	EA	1	0%	1	0.60	$ 75.00	$ 45.00	$ 245.00	$ 290.00	$ 290.00
68			LT1: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	2	0%	2	0.60	$ 75.00	$ 45.00	$ 165.00	$ 210.00	$ 420.00
69			LT1-EM: Similar To Type "LT1" Except With Integral Emergency Driver Capable	EA	2	0%	2	0.60	$ 75.00	$ 45.00	$ 215.00	$ 260.00	$ 520.00
70			LT2: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	2	0%	2	0.60	$ 75.00	$ 45.00	$ 175.00	$ 220.00	$ 440.00
71			LU1: Solid-State Type 2'x4' Recess Mounted Solid-State Lighting Fixture, METAL	EA	1	0%	1	0.70	$ 75.00	$ 52.50	$ 195.00	$ 247.50	$ 247.50
72			LU2: Solid-State Type 2'x4' Recess Mounted Solid-State Lighting Fixture, METAL	EA	3	0%	3	0.70	$ 75.00	$ 52.50	$ 215.00	$ 267.50	$ 802.50
73			LU2-EM: Similar To Type "LU2" Except With Integral Emergency Driver Capabl	EA	2	0%	2	0.70	$ 75.00	$ 52.50	$ 265.00	$ 317.50	$ 635.00
74			LV1: Solid-State Type (AKA "LED") Surface Wall Mounted Lensed Strip Light F	EA	15	0%	15	0.85	$ 75.00	$ 63.75	$ 195.00	$ 258.75	$ 3,881.25
75			LV2: Solid-State Type (AKA "LED") Surface Wall Mounted Lensed Strip Light F	EA	15	0%	15	0.95	$ 75.00	$ 71.25	$ 285.00	$ 356.25	$ 5,343.75
76			LW: Solid-State Type (AKA "LED") Suspended Lensed Strip Light Fixture, MET	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 175.00	$ 238.75	$ 477.50
77			LW-EM: Similar To Type "LW" Except With Integral Emergency Driver Capable	EA	1	0%	1	0.85	$ 75.00	$ 63.75	$ 225.00	$ 288.75	$ 288.75
78			OF1: LED Full Cut-Off Type Wall Mounted Luminaire, MCGRAW-EDISON "GE	EA	2	0%	2	0.60	$ 75.00	$ 45.00	$ 285.00	$ 330.00	$ 660.00
79			XA: Universal Mounting "Exit" Light Fixture, ISOLITE "RL" SERIES RL-AC-R-	EA	4	0%	4	0.40	$ 75.00	$ 30.00	$ 95.00	$ 125.00	$ 500.00
			LIGHTING CONTROL										
80			0-10V Dimming Control WAVELINX PRO Tile Sensor Kit WTA	EA	1	0%	1	0.40	$ 75.00	$ 30.00	$ 165.00	$ 195.00	$ 195.00
81			0-10VDC Dimming Switch Pack With 16A Wireless Switch Pack And Sink 120mA	EA	1	0%	1	0.50	$ 75.00	$ 37.50	$ 285.00	$ 322.50	$ 322.50
82			CS200: Wireless Lighting Control Station System, WW3-RL-X	EA	1	0%	1	0.40	$ 75.00	$ 30.00	$ 195.00	$ 225.00	$ 225.00
83			CS201: Wireless Lighting Control Station System, WW3-RL-X	EA	1	0%	1	0.40	$ 75.00	$ 30.00	$ 195.00	$ 225.00	$ 225.00

DETAILED BREAKDOWN OF ITEMS

Prepared for: New Eastpointe Police / Court Building And Gun Range
Project ID: 1052026
Scope: Electrical

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
84			CS202: Wireless Lighting Control Station System, WW3-RL-X	EA	1	0%	1	0.40	$ 75.00	$ 30.00	$ 195.00	$ 225.00	$ 225.00
85			CS203: Wireless Lighting Control Station System, WW3-RL-X	EA	1	0%	1	0.40	$ 75.00	$ 30.00	$ 195.00	$ 225.00	$ 225.00
86			CS204: Wireless Lighting Control Station System, WW3-RL-X	EA	1	0%	1	0.40	$ 75.00	$ 30.00	$ 195.00	$ 225.00	$ 225.00
87			CS205: Wireless Lighting Control Station System With Custom Engraving Of Pu	EA	1	0%	1	0.45	$ 75.00	$ 33.75	$ 245.00	$ 278.75	$ 278.75
88			CS206: Wireless Lighting Control Station System, WW3-RL-X	EA	1	0%	1	0.40	$ 75.00	$ 30.00	$ 195.00	$ 225.00	$ 225.00
89			ELI-A: 125 Watts Capacity/120Volts Input And Output, Emergency Lighting Co	EA	1	0%	1	2.50	$ 75.00	$ 187.50	$ 1,850.00	$ 2,037.50	$ 2,037.50
90			R-100: 0-10VDC Dimming Switch Pack With 16A Wireless Switch Pack, COOP	EA	2	0%	2	0.40	$ 75.00	$ 30.00	$ 165.00	$ 195.00	$ 390.00
91			R-102: 0-10VDC Dimming Switch Pack With 16A Wireless Switch Pack, COOP	EA	1	0%	1	0.40	$ 75.00	$ 30.00	$ 165.00	$ 195.00	$ 195.00
92			R-103: 0-10VDC Dimming Switch Pack With 16A Wireless Switch Pack, COOP	EA	1	0%	1	0.40	$ 75.00	$ 30.00	$ 165.00	$ 195.00	$ 195.00
93			Single Pole Switch	EA	1	0%	1	0.30	$ 75.00	$ 22.50	$ 12.50	$ 35.00	$ 35.00
94			WAC-GR	EA	1	0%	1	0.50	$ 75.00	$ 37.50	$ 145.00	$ 182.50	$ 182.50
			MISCELLANEOUS										
95			4" SQUARE X 2-1/8" Deep Recessed Junction Box With Single Gang Plaster Ring	EA	2	0%	2	0.35	$ 75.00	$ 26.25	$ 12.50	$ 38.75	$ 77.50
96			4-11/16" SQUARE Junction Box With Single Gang Plaster Ring	EA	3	0%	3	0.40	$ 75.00	$ 30.00	$ 18.50	$ 48.50	$ 145.50
97			Junction Box Flush Mounted	EA	3	0%	3	0.30	$ 75.00	$ 22.50	$ 9.50	$ 32.00	$ 96.00
98			Single Gang Junction Box With Plaster Ring	EA	3	0%	3	0.30	$ 75.00	$ 22.50	$ 8.50	$ 31.00	$ 93.00
												SUBTOTAL $	**161,258**
			COMMUNICATION										
			TELECOMMUNICATION										
			CONDUIT										
99			3/4" EMT Conduit Up To Ceiling	LF	45	10%	50	0.05	$ 75.00	$ 3.38	$ 1.85	$ 5.23	$ 258.64
			CONDUCTOR										
100			CAT6 Cable	LF	280	10%	308	0.03	$ 75.00	$ 1.88	$ 0.65	$ 2.53	$ 778.37
			2" J-HOOKS										
101			J-Hooks	EA	23	0%	23	0.15	$ 75.00	$ 11.25	$ 4.50	$ 15.75	$ 362.25
			DEVICES										
102			Tele Data Outlet	EA	3	0%	3	0.40	$ 75.00	$ 30.00	$ 18.50	$ 48.50	$ 145.50
			RJ-45 Connector	EA	6	0%	6	0.15	$ 75.00	$ 11.25	$ 6.50	$ 17.75	$ 106.50
			Back Box	EA	3	0%	3	0.25	$ 75.00	$ 18.75	$ 8.50	$ 27.25	$ 81.75
			Faceplate	EA	3	0%	3	0.15	$ 75.00	$ 11.25	$ 5.50	$ 16.75	$ 50.25
			SECURITY										
	E402 & E700		**CONDUIT**										
103			1/2" EMT Conduit	LF	25	10%	28	0.04	$ 75.00	$ 3.00	$ 1.45	$ 4.45	$ 122.38
104			3/4" EMT Conduit	LF	225	10%	247	0.05	$ 75.00	$ 3.38	$ 1.85	$ 5.23	$ 1,293.07
105			1" EMT Conduit With Pull string	EA	270	10%	297	0.05	$ 75.00	$ 3.75	$ 2.45	$ 6.20	$ 1,843.58
			CONDUCTOR										
106			#18 CU THHN/THWN	LF	500	10%	550	0.01	$ 75.00	$ 0.60	$ 0.35	$ 0.95	$ 522.46
			DEVICES										
107			Card Reader Access System	EA	3	0%	3	1.50	$ 75.00	$ 112.50	$ 485.00	$ 597.50	$ 1,792.50
			MISCELLANEOUS										
108			4" SQUARE X 2-1/8" Deep Recessed Junction Box With Single Gang Plaster Ring	EA	2	0%	2	0.35	$ 75.00	$ 26.25	$ 12.50	$ 38.75	$ 77.50
109			4-11/16" SQUARE Junction Box With Single Gang Plaster Ring	EA	3	0%	3	0.40	$ 75.00	$ 30.00	$ 18.50	$ 48.50	$ 145.50
110			Junction Box Flush Mounted	EA	3	0%	3	0.30	$ 75.00	$ 22.50	$ 9.50	$ 32.00	$ 96.00
111			Single Gang Junction Box With Plaster Ring	EA	3	0%	3	0.30	$ 75.00	$ 22.50	$ 8.50	$ 31.00	$ 93.00
												SUBTOTAL $	**7,769**

	PROJECTED COST	**$205,528**
OVERHEAD AND PROFIT	**30%**	**$61,658**
SUBCONTRACTOR MARGIN	**10%**	**$6,490**
INSURANCE	**3%**	**$6,166**
CONTINGENCY	**5%**	**$10,276**
TAX	**6%**	**$6,248**
SUGGESTED BID		**$296,366**

Notes:

1. Online sources are used for pricing.
2. Prices can vary depending upon field conditions.

DETAILED BREAKDOWN OF ITEMS

Prepared for: New Eastpointe Police / Court Building And Gun Range
Project ID: 1052026
Scope: Electrical

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
			GENERAL REQUIREMENTS										
1			Permits	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
2			Supervision and Coordination	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 45,000.00
3			Submittals and Shop drawings	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
4			Final Cleaning	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 4,000.00
5			Mobilization Costs	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 20,000.00
6			Temporary Control & Facilities	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ 6,000.00
7			Equipment	LS	1	0%	1	1.000	$ 1.00	$ -	$ -	$ -	$ 18,500.00
8			Testing & Commissioning	LS	1	0%	1	2.000	$ 2.00	$ -	$ -	$ -	$ 6,500.00
9			Scaffolding	LS	1	0%	1	0.000	$ -	$ -	$ -	$ -	$ -
												SUBTOTAL	**$ 100,000**
			UTILITIES										
			DISTRIBUTION										
			CONDUIT										
10			1" EMT Conduit	LF	878	10%	966	0.05	$ 75.00	$ 3.75	$ 2.45	$ 6.20	$ 5,987.96
11			1" EMT Conduit With Pull String	LF	51	10%	56	0.06	$ 75.00	$ 4.13	$ 2.85	$ 6.98	$ 391.30
12			2-1/2" EMT Conduit	LF	33	10%	36	0.08	$ 75.00	$ 5.63	$ 8.50	$ 14.13	$ 512.74
13			1" PVC SCH 40 Conduit	LF	414	10%	455	0.05	$ 75.00	$ 3.38	$ 3.85	$ 7.23	$ 3,290.27
14			1" PVC SCH 40 Conduit With Pull String	LF	155	10%	171	0.05	$ 75.00	$ 3.75	$ 4.25	$ 8.00	$ 1,364.00
15			2-1/2" PVC SCH 40 Conduit	LF	596	10%	656	0.07	$ 75.00	$ 5.25	$ 11.50	$ 16.75	$ 10,981.30
16			4" PVC SCH 40 Conduit	LF	870	10%	957	0.11	$ 75.00	$ 8.25	$ 22.50	$ 30.75	$ 29,427.75
17		**Primary Cabling Furnished And Installed By DTE Energy**	4" PVC SCH 40 Conduit With Pull String	LF	493	10%	542	0.00	$ -	$ -	$ -	$ -	$ -
			CONDUCTOR										
18			#6 CU THHN/THWN	LF	3877	10%	4265	0.02	$ 75.00	$ 1.35	$ 1.35	$ 2.70	$ 11,514.69
19			#2 CU THHN/THWN	LF	628	10%	691	0.03	$ 75.00	$ 2.10	$ 3.45	$ 5.55	$ 3,833.94
20			#4/0 CU THHN/THWN	LF	2516	10%	2768	0.05	$ 75.00	$ 3.75	$ 8.50	$ 12.25	$ 33,903.10
21			#400 KCMIL CU XHHW-2	LF	3480	10%	3828	0.08	$ 75.00	$ 5.63	$ 18.50	$ 24.13	$ 92,350.50
			LUGS										
22			Compression Lug CU With 1-Hole , #6 CU Wire	EA	36	0%	36	0.20	$ 75.00	$ 15.00	$ 5.85	$ 20.85	$ 750.60
23			Heat Shrink Tubing for #6 CU Wire	EA	36	0%	36	0.08	$ 75.00	$ 6.00	$ 1.45	$ 7.45	$ 268.20
24			Compression Lug CU With 1-Hole , #2 CU Wire	EA	8	0%	8	0.28	$ 75.00	$ 21.00	$ 9.50	$ 30.50	$ 244.00
25			Heat Shrink Tubing for #2 CU Wire	EA	8	0%	8	0.10	$ 75.00	$ 7.50	$ 2.10	$ 9.60	$ 76.80
26			Compression Lug CU With 1-Hole , #4/0 CU Wire	EA	32	0%	32	0.35	$ 75.00	$ 26.25	$ 12.50	$ 38.75	$ 1,240.00
27			Heat Shrink Tubing for #4/0 CU Wire	EA	32	0%	32	0.12	$ 75.00	$ 9.00	$ 2.85	$ 11.85	$ 379.20
28			Compression Lug CU With 1-Hole , #400 KCMIL CU Wire	EA	40	0%	40	0.65	$ 75.00	$ 48.75	$ 28.50	$ 77.25	$ 3,090.00
29			Heat Shrink Tubing for #400 KCMIL CU Wire	EA	40	0%	40	0.15	$ 75.00	$ 11.25	$ 4.25	$ 15.50	$ 620.00
			CIRCUIT BREAKER										
30			3P/450A Breaker	EA	2	0%	2	4.00	$ 75.00	$ 300.00	$ 1,850.00	$ 2,150.00	$ 4,300.00
			DEVICES										
31		**Furnished And Installed By DTE Energy**	13.2kV, 480Y/277V, 3PH, 4W, Pad Mounted Service Transformer	EA	1	0%	1	0.00	$ -	$ -	$ -	$ -	$ -
32			250kW/312kVA, 480Y/277V, 3PH, 4W, Cummins C250N6 With Level 2 Sound A	EA	1	0%	1	32.00	$ 75.00	$ 2,400.00	$ 78,500.00	$ 80,900.00	$ 80,900.00
33			250kW/312kVA, 480Y/277V, 3PH, 4W, Cummins C250N6 With Level 2 Sound A	EA	1	0%	1	32.00	$ 75.00	$ 2,400.00	$ 78,500.00	$ 80,900.00	$ 80,900.00
34			4 Pole Automatic Transformer Switch	EA	1	0%	1	16.00	$ 75.00	$ 1,200.00	$ 12,500.00	$ 13,700.00	$ 13,700.00
			DISCONNECT SWITCH										
35			1P/20A Non Fused Motor Rated Disconnect Switch With Locking HASP, NEMA	EA	2	0%	2	1.20	$ 75.00	$ 90.00	$ 285.00	$ 375.00	$ 750.00
36			3P/50A Fused Disconnect Switch	EA		0%	0	1.50	$ 75.00	$ 112.50	$ 425.00	$ 537.50	$ -
			GROUNDING										
37			5/8" x 10' CU Clad Ground Rod	EA	2	0%	2	1.00	$ 75.00	$ 75.00	$ 22.00	$ 97.00	$ 194.00
38			3/4" x 10' CU Clad Ground Rod	EA	36	0%	36	1.20	$ 75.00	$ 90.00	$ 28.00	$ 118.00	$ 4,248.00
39			#6 CU Grounding Conductor	LF	40	10%	44	0.02	$ 75.00	$ 1.35	$ 1.35	$ 2.70	$ 118.80
40			#6 Bare Copper Grounding Conductor	LF	720	10%	792	0.02	$ 75.00	$ 1.35	$ 1.45	$ 2.80	$ 2,217.60
			POWER										
			CONDUIT										
41			3/4" EMT Conduit	LF	176	10%	194	0.05	$ 75.00	$ 3.38	$ 1.85	$ 5.23	$ 1,011.56
42			3/4" PVC SCH 40 Conduit	LF	376	10%	414	0.04	$ 75.00	$ 3.00	$ 1.65	$ 4.65	$ 1,923.24
43			1" PVC SCH 40 Conduit	LF	30	10%	33	0.05	$ 75.00	$ 3.38	$ 2.45	$ 5.83	$ 192.23
			CONDUCTOR										
44			#12 CU THHN/THWN	LF	1077	10%	1185	0.01	$ 75.00	$ 0.83	$ 0.42	$ 1.25	$ 1,474.95
45	**E050, E300 & E400**		#10 CU THHN/THWN	LF	699	10%	769	0.01	$ 75.00	$ 0.90	$ 0.55	$ 1.45	$ 1,114.91
			DEVICE										
46			Motor Connection	EA	2	0%	2	0.50	$ 75.00	$ 37.50	$ 45.00	$ 82.50	$ 165.00
			SITE LIGHTING										
			CONDUIT										
47			1" EMT Conduit	LF	193	10%	212	0.05	$ 75.00	$ 3.75	$ 2.45	$ 6.20	$ 1,313.87
48			1" PVC SCH 40 Conduit	LF	2029	10%	2232	0.04	$ 75.00	$ 3.00	$ 1.95	$ 4.95	$ 11,046.05
			CONDUCTOR							$ -			
49			#6 CU THHN/THWN	LF	6664	10%	7330	0.02	$ 75.00	$ 1.35	$ 1.35	$ 2.70	$ 19,792.08
			LIGHTING FIXTURES										
50			OA: One (1) Side Arm, Pole Mounted LED Light, MCGRAW-EDISON "GALLE	EA	6	0%	6	1.50	$ 75.00	$ 112.50	$ 850.00	$ 962.50	$ 5,775.00
51			OB: Two (2) Side Arm, Pole Mounted LED Type Light, MCGRAW-EDISON "G	EA	2	0%	2	2.50	$ 75.00	$ 187.50	$ 1,450.00	$ 1,637.50	$ 3,275.00
52			OC: One (1) Side Arm, Pole Mounted LED Light, MCGRAW-EDISON "GALLE	EA	7	0%	7	1.50	$ 75.00	$ 112.50	$ 850.00	$ 962.50	$ 6,737.50
53			OD: One (1) Side Arm Pole Mounted LED Type Light, MCGRAW-EDISON "GA	EA	6	0%	6	1.50	$ 75.00	$ 112.50	$ 850.00	$ 962.50	$ 5,775.00
54			OE: ONE (1) Side Arm, Pole Mounted LED Type Light, MCGRAW-EDISON "G	EA	6	0%	6	1.50	$ 75.00	$ 112.50	$ 850.00	$ 962.50	$ 5,775.00
55			OH: One (1) Post-Top Mounted LED Type Light, MESA" MSA-SA1C-740-U-5W	EA	9	0%	9	1.50	$ 75.00	$ 112.50	$ 685.00	$ 797.50	$ 7,177.50
			20' Light Pole	EA	27	0%	27	4.00	$ 75.00	$ 300.00	$ 1,850.00	$ 2,150.00	$ 58,050.00
			10' Light Pole	EA	9	0%	9	3.50	$ 75.00	$ 262.50	$ 1,250.00	$ 1,512.50	$ 13,612.50
			Anchor Bolts	EA	144	0%	144	0.15	$ 75.00	$ 11.25	$ 12.50	$ 23.75	$ 3,420.00
			Bolt Circle Cover	EA	36	0%	36	0.30	$ 75.00	$ 22.50	$ 38.50	$ 61.00	$ 2,196.00
			Hand Hole	EA	36	0%	36	0.40	$ 75.00	$ 30.00	$ 28.50	$ 58.50	$ 2,106.00
			Concreate Base	EA	36	0%	36	6.00	$ 75.00	$ 450.00	$ 685.00	$ 1,135.00	$ 40,860.00
			TELECOMMUNICATION										
			CONDUIT										
56			4" PVC SCH 40 Conduit With Pull String	LF	1061	10%	1167	0.08	$ 75.00	$ 5.63	$ 18.50	$ 24.13	$ 28,156.29
			CONDUCTOR										
57			CAT6 Cable	LF	429	10%	472	0.03	$ 75.00	$ 1.88	$ 0.65	$ 2.53	$ 1,191.55
			DEVICES										
58			Intercom, Pedestal Mounted	EA	2	0%	2	8.00	$ 75.00	$ 600.00	$ 4,850.00	$ 5,450.00	$ 10,900.00
			SECURITY										
			CONDUIT										
59			1" EMT Conduit	LF	267	10%	294	0.05	$ 75.00	$ 3.75	$ 2.45	$ 6.20	$ 1,820.94
60			1" RGS Conduit	LF	10	10%	11	0.08	$ 75.00	$ 6.00	$ 7.85	$ 13.85	$ 152.35
61			1" PVC SCH 40 Conduit	LF	238	10%	262	0.05	$ 75.00	$ 3.38	$ 3.85	$ 7.23	$ 1,891.51
62			1" PVC SCH 40 Conduit With Pull String	LF	70	10%	77	0.05	$ 75.00	$ 3.75	$ 4.25	$ 8.00	$ 616.00
			CONDUCTOR										
63			#18 CU THHN/THWN	LF	858	10%	944	0.01	$ 75.00	$ 0.60	$ 0.35	$ 0.95	$ 896.44
64			#14 CU XHHW	LF	173	10%	190	0.01	$ 75.00	$ 1.05	$ 0.65	$ 1.70	$ 323.10
			DEVICES										
65			Card Reader, Pedestal Mounted	EA	1	0%	1	1.50	$ 75.00	$ 112.50	$ 485.00	$ 597.50	$ 597.50
			2" Square Steel Pedestal, With 6" Square Mounting Base, Provide With Accessori	EA	2	0%	2	0.85	$ 75.00	$ 63.75	$ 285.00	$ 348.75	$ 697.50
			Anchor Bolts	EA	8	0%	8	0.15	$ 75.00	$ 11.25	$ 12.50	$ 23.75	$ 190.00
			PVC TO RGS Adaptor	EA	2	0%	2	0.20	$ 75.00	$ 15.00	$ 18.50	$ 33.50	$ 67.00
66		**Furnished And Install By Gate Contractor**	Motorized Gate Operator	EA	1	0%	1	0.00	$ -	$ -	$ -	$ -	$ -
67		**Furnished And Install By Gate Contractor**	Motorized Gate Underground Vehicle Detection Loop	EA	2	0%	2	0.00	$ -	$ -	$ -	$ -	$ -
68		**Furnished And Install By Gate Contractor**	Motorized Gate Underground Vehicle Detection Loop	LF	145	0%	145	0.00	$ -	$ -	$ -	$ -	$ -
69		**Furnished, Installed And Wired By Gate Contractor**	Vehicle Detection Photo Eye Sensor	EA	4	0%	4	0.00	$ -	$ -	$ -	$ -	$ -
			MISCELLANEOUS										
			TRENCHING & BACKFILLING										

DETAILED BREAKDOWN OF ITEMS

Prepared for: New Eastpointe Police / Court Building And Gun Range
Project ID: 1052026
Scope: Electrical

USA ESTIMATORS
+1 (214) 556-2605

Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	HOURLY WAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
70			Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment	CFT	6486	0%	6486	0.09	$ 75.00	$ 6.38	$ 3.50	$ 9.88	$ 64,049.65
												SUBTOTAL	$ 691,898

PROJECTED COST		$791,898
OVERHEAD AND PROFIT	30%	$237,569
SUBCONTRACTOR MARGIN	10%	$18,147
INSURANCE	3%	$23,757
CONTINGENCY	5%	$39,595
TAX	6%	$30,626
SUGGESTED BID		$1,141,592

Notes:

1. Online sources are used for pricing.
2. Prices can vary depending upon field conditions.

MATERIAL LIST

Prepared for: New Eastpointe Police / Court Building And Gun Range
Project ID: 1052026
Scope: Electrical

USA ESTIMATORS
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Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
			GENERAL REQUIREMENTS		
1			Permits	LS	1
2			Supervision and Coordination	LS	1
3			Submittals and Shop drawings	LS	1
4			Final Cleaning	LS	1
5			Mobilization Costs	LS	1
6			Temporary Control & Facilities	LS	1
7			Scaffolding	LS	1
			POLICE-COURT BUILDING		
			ELECTRICAL		
			DISTRIBUTION		
			CONDUIT (Cut Length = 10 LF)		
8			3/4" EMT Conduit	EA	109
9			1" EMT Conduit	EA	83
10			1-1/4" EMT Conduit	EA	17
11			2" EMT Conduit	EA	74
12			2-1/2" EMT Conduit	EA	8
13			3" EMT Conduit	EA	62
14			4" EMT Conduit	EA	66
15			3/4" RGS Conduit	EA	3
16			1" RGS Conduit	EA	1
17			1-1/4" RGS Conduit	EA	2
18			3/4" FMC Conduit	EA	2
19			3/4" LFMC Conduit	EA	2
20			1" LFMC Conduit	EA	0
21			1-1/4" LFMC Conduit	EA	1
			CONDUCTOR (Roll = 200 LF)		
22			#12 CU THHN/THWN	Roll	6
23			#10 CU THHN/THWN	Roll	7
24			#8 CU THHN/THWN	Roll	14
25			#6 CU THHN/THWN	Roll	20
26			#4 CU THHN/THWN	Roll	2
27			#3 CU THHN/THWN	Roll	4
28			#2 CU THHN/THWN	Roll	1
29			#1 CU THHN/THWN	Roll	3
30			#1/0 CU THHN/THWN	Roll	4
31			#3/0 CU THHN/THWN	Roll	11
32			#250 KCMIL CU THHN/THWN	Roll	1
33			#350 KCMIL CU THHN/THWN	Roll	12
34			#600 KCMIL CU THHN/THWN	Roll	13
			LUGS		
35			Compression Lug CU With 1-Hole , #8 CU Wire	EA	114
36			Heat Shrink Tubing for #8 CU Wire	EA	114
37			Compression Lug CU With 1-Hole , #6 CU Wire	EA	126
38			Heat Shrink Tubing for #6 CU Wire	EA	126
39			Compression Lug CU With 1-Hole , #4 CU Wire	EA	16
40			Heat Shrink Tubing for #4 CU Wire	EA	16
41			Compression Lug CU With 1-Hole , #3 CU Wire	EA	26
42			Heat Shrink Tubing for #3 CU Wire	EA	26
43			Compression Lug CU With 1-Hole , #2 CU Wire	EA	6
44			Heat Shrink Tubing for #2 CU Wire	EA	6
45			Compression Lug CU With 1-Hole , #1 CU Wire	EA	12
46			Heat Shrink Tubing for #1 CU Wire	EA	12
47			Compression Lug CU With 1-Hole , #1/0 CU Wire	EA	32
48			Heat Shrink Tubing for #1/0 CU Wire	EA	32
49			Compression Lug CU With 1-Hole , #3/0 CU Wire	EA	72
50			Heat Shrink Tubing for #3/0 CU Wire	EA	72

MATERIAL LIST

Prepared for: New Eastpointe Police / Court Building And Gun Range
Project ID: 1052026
Scope: Electrical

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Date: 6-Oct-26

SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
51			Compression Lug CU With 1-Hole , #250 KCMIL CU Wire	EA	44
52			Heat Shrink Tubing for #250 KCMIL CU Wire	EA	44
53			Compression Lug CU With 1-Hole , #350 KCMIL CU Wire	EA	48
54			Heat Shrink Tubing for #350 KCMIL CU Wire	EA	48
55			Compression Lug CU With 1-Hole , #600 KCMIL CU Wire	EA	72
56			Heat Shrink Tubing for #600 KCMIL CU Wire	EA	72
			PANEL & CIRCUIT BREAKER		
57			2P/25A HACR Breaker	EA	2
58			Panel RP-1B1: 225A, 208/120V, 3Ph, 4W, Mains: MLO, 22KAIC, 72 Pole: Surfa	EA	1
			1P/20A Breaker	EA	54
			1P/15A Breaker	EA	3
			1P/25A Breaker	EA	1
			2P/15A Breaker	EA	1
59			Panel RP-1B2: 225A, 208/120V, 3Ph, 4W, Mains: MLO, 22KAIC, 72 Pole: Surfa	EA	1
			1P/15A Breaker	EA	4
			1P/20A Breaker	EA	58
			2P/15A Breaker	EA	1
			2P/20A Breaker	EA	1
60			Panel RP-2A1: 225A, 208/120V, 3Ph, 4W, Mains: MLO, 22KAIC, 60 Pole: Surfa	EA	1
			1P/20A Breaker	EA	49
			1P/20A GFCI Breaker	EA	5
			2P/30A Breaker	EA	1
			1P/15A Breaker	EA	1
61			Panel RP-2A2: 225A, 208/120V, 3Ph, 4W, Mains: MLO, 22KAIC, 60 Pole: Surfa	EA	1
			1P/20A Breaker	EA	45
			1P/15A Breaker	EA	4
			1P/15A HACR GFCI Breaker	EA	2
62			Panel RP-2B1: 225A, 208/120V, 3Ph, 4W, Mains: MLO, 22KAIC, 84 Pole: Surfa	EA	1
			1P/15A Breaker	EA	4
			1P/20A Breaker	EA	60
			1P/20A GFCI Breaker	EA	2
			2P/15A Breaker	EA	1
			2P/20A Breaker	EA	2
63			Panel RP-2B2: 225A, 208/120V, 3Ph, 4W, Mains: MLO, 22KAIC, 60 Pole: Surfa	EA	1
			1P/20A Breaker	EA	41
			1P/20A GFCI Breaker	EA	1
			2P/25A Breaker	EA	1
			1P/15A Breaker	EA	10
64			Panel LP-1AA: 400A, 480/277V, 3Ph, 4W, Mains: MCB, 14KAIC, 42 Pole, Surfa	EA	1
			1P/20A Breaker	EA	9
			3P/45A Breaker	EA	1
			3P/90A Breaker	EA	1
			3P/110A Breaker	EA	1
			3P/400A MCB	EA	1
65			Panel DP-1A: 600A, 208Y/120V, 3PH, 4W, Main: MCB, 21 Pole, 42KAIC Rated	EA	1
			3P/100A Breaker	EA	1
			3P/200A Breaker	EA	4
			3P/500A MCB	EA	1
66			Panel DP-2A: 600A, 208Y/120V, 3PH, 4W, Main: MCB, 21 Pole, 42KAIC Rated	EA	1
			3P/100A Breaker	EA	1
			3P/150A Breaker	EA	3
			3P/200A Breaker	EA	1
			3P/500A MCB	EA	1
67			Panel DP-1AA: 400A, 480Y/277V, 3PH, 4W, Main: MLO, 18 Pole, 42KAIC Rate	EA	1
			3P/60A Breaker	EA	2
			3P/100A Breaker	EA	1
			3P/200A Breaker	EA	1
			3P/250A Breaker	EA	1
68			Panel DP-2AA: 400A, 408Y/277V, 3PH, 4W, Main: MLO, 18 Pole, Floor Mount	EA	1
			3P/40A Breaker	EA	2
			3P/60A Breaker	EA	2
			3P/250A Breaker	EA	1
69			Panel DP-1BB: 200A, 480Y/277V, 3PH, 4W, Main: MLO, 18 Pole, 42KAIC Rate	EA	1
			3P/15A Breaker	EA	2
			3P/60A Breaker	EA	2
70			Panel DP-2BB: 600A, 480Y/277V, 3PH, 4W, Main: MLO, 21 Pole, 42KAIC Rate	EA	1
			3P/40A Breaker	EA	2
			3P/60A Breaker	EA	2
			3P/100A Breaker	EA	1
			3P/300A Breaker	EA	1
71			Panel DP-2MAA: 400A, 480Y/277V, 3PH, 4W, Main: MLO, 18 Pole, 42KAIC Ra	EA	1
			3P/25A Breaker	EA	1
			3P/40A Breaker	EA	2
			3P/60A Breaker	EA	1
			3P/70A Breaker	EA	1
72			Panel DP-2MBB: 400A, 480Y/277V, 3PH, 4W, Main: MLO, 24 Pole, 42KAIC Ra	EA	1
			3P/15A Breaker	EA	2
			3P/40A Breaker	EA	2
			3P/60A Breaker	EA	1

MATERIAL LIST

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
			3P/70A Breaker	EA	1
			3P/90A Breaker	EA	1
73			Panel DP-EM1AA: 200A, 480Y/277V, 3PH, 4W, Main: MLO, 24 Pole, 42KAIC	EA	1
			3P/40A Breaker	EA	1
			3P/60A Breaker	EA	6
74			Panel DP-GEN: 1200A, 480/277V, 3PH, 4W, Main: MLO, 27 Pole, 656KAIC Ra	EA	1
			3P/100A Breaker	EA	1
			3P/200A Breaker	EA	1
			3P/400A Breaker	EA	3
			3P/450A Breaker	EA	2
			3P/600A Breaker	EA	1
			Transient Voltage Surge Suppression	EA	1
75			Panel MDP: 1600A, 480Y/277V, 3PH, 4W, Main: MCB, 36 Pole, 65KAIC Rated.	EA	1
			3P/100A Breaker	EA	2
			3P/200A Breaker	EA	1
			3P/400A Breaker	EA	4
			3P/600A Breaker	EA	1
			3P/1600A LSIG MCB	EA	1
			Transient Voltage Surge Suppression	EA	1
			DEVICES		
76			T-1A: 150kVA, 480-208Y/120V, 3PH, 4W Transformer	EA	1
77			T-2A: 150kVA, 480-208Y/120V, 3PH, 4W Transformer	EA	1
78			T-EMA: 300kVA, 480-208Y/120V, 3PH, 4W Transformer	EA	1
79			ATS--EM: 200A, 480Y/277V, 3PH, 4W, 4 Pole Automatic Transfer Switche	EA	1
80			ATS-1A: 400A, 480Y/277V, 3PH, 4W, 4 Pole Automatic Transfer Switched Neu	EA	1
81			ATS-2B: 400A, 480Y/277V, 3PH, 4W, 4 Pole Automatic Transfer Switched Neu	EA	1
82			ATS-2A: 400A, 480Y/277V, 3PH, 4W, 4 Pole Automatic Transfer Switched Neu	EA	1
83			ATS-3B: 600A, 480Y/277V, 3PH, 4W, 4 Pole Automatic Transfer Switched Neu	EA	1
84			DTE Energy Utility Metering Cabinet And Display	EA	1
85			Generator Paralleling Control Cabinet	EA	1
86			Generator Remote Annunciator Panel	EA	1
			DISCONNECT SWITCH		
87		**Rating Assumed From Panel**	1P/15A Disconnect Switch	EA	2
88			1P/20A Disconnect Switch, NEMA-1	EA	15
89			1P/20A Non-Fusible Disconnect Switch, NEMA-1	EA	2
90			1P/30A Non Fusible Disconnect Switch, NEMA-1	EA	1
91			2P/30A Disconnect Switch, GFCI, WP, NEMA 3R	EA	1
92		**Furnished By Mechanical Trade With Equipment**	3P/15A Disconnect Switch, NEMA1 Rating Assumed From Panel	EA	2
93			3P/15A Disconnect Switch, NEMA 3R Rating Assumed From Panel	EA	2
94			3P/25A Disconnect Switch, NEMA 3R Rating Assumed From Panel	EA	1
95			3P/40A Disconnect Switch, NEMA 3R Rating Assumed From Panel	EA	2
96			3P/60A Disconnect Switch, NEMA 3R Rating Assumed From Panel	EA	1
97			3P/60AS/40AF Heavy Duty Fused Disconnect Switch NEMA 1 With Dual - Elem	EA	4
98	**E201, E202, E203, E204, E212, E213, E214, E220, E300, E301, E302, E310, E311, E312, E313, E314, E315, E316, E400 & E401**	**Furnished By Mechanical Trade With Equipment**	3P/70A Disconnect Switch, NEMA 3R Rating Assumed From Panel	EA	2
99			3P/90A Disconnect Switch, NEMA 3R Rating Assumed From Panel	EA	1
			GROUNDING		
100			5/8"x8' CU Ground Rod	EA	4
101			5/8"x10' CU Ground Rod	EA	12
102			3/4"x10' CU Ground Rod	EA	7
103			Main Ground Bus Bar	EA	2
104			4" High x 1/4" Thick x 8' Long Copper Ground Bar	EA	1
105			4" High x 1/4" Thick Copper Ground Bar	EA	2
106			#250 KCMIL CU Bonding Jumper	EA	1
107			#3/0 CU Jumper	EA	1
108			#6 CU Grounding Conductor	EA	1
109			#4 Bare Copper Grounding Conductor	EA	2
110			#2 CU Grounding Conductor	EA	1
111			#3/0 Bare Copper Grounding Conductor	EA	1
112			#3/0 CU Grounding Conductor	EA	3
113			#4/0 CU Grounding Conductor	EA	1
114			#4/0 Bare Copper Grounding Conductor	EA	3
115			1" PVC SCH 40 Conduit	EA	1
			POWER		
			CONDUIT (Cut Length = 10 LF)		
116			1/2" EMT Conduit	EA	25
117			3/4" EMT Conduit	EA	3128
118			1" EMT Conduit	EA	10
119			3/4" PVC SCH 40 Conduit	EA	35
120			3/4" RGS Conduit	EA	38

MATERIAL LIST

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SR #	Drawing #	Detail #	DESCRIPTION	UNIT	QUANTITY
			CONDUCTOR (Roll = 200 LF)		
121			#12 CU THHN/THWN	Roll	340
122			#10 CU THHN/THWN	Roll	135
123			#8 CU THHN/THWN	Roll	1
			DEVICE		
124			2HP Equipment Connection	EA	1
125			3P/60A Equipment Connection	EA	4
126			3/4HP Equipment Connection	EA	1
127			Elevator Controller	EA	4
128		**Furnished With Equipment By Mechanical Trade**	Variable Frequency Drive Controller	EA	2
129			20A Motor Connection	EA	29
130			20A Motor Rated Toggle Switch	EA	21
131			2P/30A Twist Lock Receptacle	EA	3
132			50A Special Purpose Receptacle	EA	1
133			Double Duplex Receptacle	EA	46
134			Double Duplex Receptacle, COOPER WAVELINX WR-20	EA	22
135			Double Duplex Receptacle, Tamper Resistance	EA	26
136			Duplex Receptacle	EA	170
137			Duplex Receptacle, COOPER WAVELINX WR-20	EA	74
138			Duplex Receptacle, COOPER WAVELINX WR-20, GFI	EA	6
139			Duplex Receptacle, GFCI	EA	66
140			Duplex Receptacle, GFCI, Mounted In Locker	EA	60
141			Duplex Receptacle, GFCI, Tamper Resistant	EA	10
142			Duplex Receptacle, GFCI, WP, Tamper Resistant	EA	11
143			Duplex Receptacle, Mounted In Locker	EA	8
144			Duplex Receptacle, Tamper Resistance	EA	132
145			EPO Push Button	EA	2
146			Industrial Power Cord Reel With (1) 125V Duplex Receptacle GFCI, 25' Lon	EA	2
147			Manual Motor Starter	EA	3
148			Overhead Door Controller Push Button	EA	2
149		**Furnished By Architectural Trades, Installed By EC**	Power Associated Door Operator	EA	7
150			Power Pack/ Relay	EA	9
151			Push Button	EA	14
152			Rectangular Recessed Flush Floor Box, WIREMOLD "EVOLUTION" SERIES S	EA	7
153			Simplex Receptacle, HUBBELL 5361	EA	6
154			Single Pole Switch	EA	5
155			Wiremold 3000 Series Two-Piece Steel	LF	10
			LIGHTING		
			CONDUIT (Cut Length = 10 LF)		
156			3/4" EMT Conduit	EA	64
157			1" EMT Conduit	EA	1095
			CONDUCTOR (Roll = 200 LF)		
158			#12 CU THHN/THWN	Roll	10
159			#8 CU THHN/THWN	Roll	4
160			#6 CU THHN/THWN	Roll	160
			LIGHTING FIXTURES		
161			EMA: Self Contained Emergency Lighting Fixture, ISOLITE "RELIANCE" SERI	EA	2
162			LA1: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	56
163			LA1-EM: SIMILAR TO TYPE "LA1" LED Light Fixture, "CRUZE ST" 22CZ2-2	EA	31
164			LA2: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	24
165			LA2-EM: Similar To Type "LA2" LED Light Fixture, METALUX "CRUZE ST™	EA	7
166			LA3: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	145
167			LA3-EM: Similar To Type "LA3" Except With Factory Installed UL924 "EPC" Er	EA	15
168			LA4: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	42
169			LA4-EM: Similar To Type "LA4" Except With Factory Installed UL924 "EPC" Er	EA	7
170			LA5: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	7
171			LA5-EM: Similar To Type "LA5" Except With Factory Installed UL924 "EPC" Er	EA	2
172			LA6: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	1
173			LA6-EM: Similar To Type "LA6" Except With Factory Installed UL924 "EPC" Er	EA	1
174			LA7-EM: Similar To Type "LA7" Except With Factory Installed UL924 "EPC" Er	EA	1
175			LA8: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	2
176			LB1: Solid-State Type 2'x4' Recess Mounted Solid-State Lighting Fixture, METAL	EA	19
177			LB1-EM: Similar To Type "LB1" Except With Factory Installed UL924 "EPC" Er	EA	3
178			LB2: Solid-State Type 2'x4' Recess Mounted Solid-State Lighting Fixture, METAL	EA	6
179			LB3: Solid-State Type 2'x4' Recess Mounted Solid-State Lighting Fixture, METAL	EA	6
180			LB3-EM: Similar To Type "LB3" Except With Factory Installed UL924 "EPC" Er	EA	1
181			LC1: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fix	EA	52
182			LC2: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fix	EA	46
183			LC3: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fix	EA	3
184			LC4: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fix	EA	28
185			LC5: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fix	EA	33
186			LC6: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fix	EA	4
187			LC7: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fix	EA	33

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188			LC8: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fix	EA	4
189			LD1: Solid-State Type (AKA "LED") Suspended Lensed Strip Light Fixture, MET	EA	4
190			LD2: Solid-State Type (AKA "LED") Suspended Lensed Strip Light Fixture, MET	EA	6
191			LD2-EM: Similar To Type "LD2" Except With Factory Installed UL924 "EPC" Er	EA	4
192			LD3: Solid-State Type (AKA "LED") Surface Mounted Lensed Strip Light Fixture	EA	1
193			LD4: Solid-State Type (AKA "LED") Surface Mounted Lensed Strip Ligh	EA	2
194			LE1: Solid-State Type (AKA "LED") Suspended Lensed Strip Light Fixture, MET	EA	5
195			LE1-EM: Similar To Type "LE1" Except With Factory Installed UL924 "EPC" En	EA	1
196			LE2: Solid-State Type (AKA "LED") Suspended Lensed Strip Light Fixture, MET	EA	5
197			LE2-EM: Similar To Type "LE2" Except With Factory Installed UL924 "EPC" En	EA	3
198			LF1: Solid-State Type (AKA "LED") Recess Mounted 1'x4' Confinement/Correcti	EA	6
199			LF2: Solid-State Type (AKA "LED") Recess Mounted 1'x4' Confinement/Correcti	EA	6
200			LG1: Solid-State Type 2" Wide Narrow Aperture Wall Mounted Direct / Indirect L	EA	2
201			LG2: Solid-State Type 2" Wide Narrow Aperture Wall Mounted Direct / Indirect L	EA	1
202			LG3: Solid-State Type 2" Wide Narrow Aperture Wall Mounted Direct / Indirect L	EA	4
203			LG4: Solid-State Type 2" Wide Narrow Aperture Wall Mounted Direct/Indirect Li	EA	1
204			LH1: Solid-State Type 2'x2' Recess Mounted Edge Lit Flat Panel Lighting Fixture,	EA	14
205			LH2: Solid-State Type 2'x2' Recess Mounted Edge Lit Flat Panel Lighting Fixture,	EA	19
206			LH2-EM: Similar To Type "LH2" Except With Factory Installed UL924 "EPC" Er	EA	5
207			LH3: Solid-State Type 2'x2' Recess Mounted Edge Lit Flat Panel Lighting Fixture,	EA	3
208			LJ: Solid-State Type 2.6" Wide X 3" High Linear Suspended Direct/Indirect Light	EA	6
209			LJ-EM: Similar To Type "LJ" Except With Factory Installed UL924 "EPC" Emerg	EA	8
210			LK1: Solid-State Type 2.1" Wide Narrow Aperture Recessed Light Fixture With A	EA	2
211			LK1-EM: Similar To Type "LK1" Except With Factory Installed UL924 "EPC" Er	EA	2
212			LK2: Solid-State Type 2.1" Wide Narrow Aperture Recessed Light Fixture With A	EA	3
213			LK2-EM: Similar To Type "LK2" Except With Factory Installed UL924 "EPC" Er	EA	5
214			LK3: Solid-State Type 2.1" Wide Narrow Aperture Recessed Light Fixture With A	EA	8
215			LK3-EM: Similar To Type "LK3" Except With Factory Installed UL924 "EPC" Er	EA	2
216			LK4: Solid-State Type 2.1" Wide Narrow Aperture Recessed Light Fixture, CORE	EA	8
217			LK4-EM: Similar To Type "LK4" Except With Factory Installed UL924 "EPC" Er	EA	1
218			LL-EM: Similar To Type "LL" Except With Factory Installed UL924 "ETRD" Em	EA	1
219			LM1: Solid-State Type 2.6" Wide X 3" High Linear Suspended Direct Light Fixtu	EA	2
220			LM2: Solid-State Type 2.6" Wide X 3" High Linear Suspended Direct Light Fixtu	EA	2
221			LM2-EM: Similar To Type "LM2" Except With Factory Installed UL924 "EPC" E	EA	2
222			LM3: Solid-State Type 2.6" Wide X 3" High Linear Suspended Direct Light Fixtu	EA	3
223			LM3-EM: Similar To Type "LM2" Except With Factory Installed UL924 "EPC" E	EA	1
224			LN: Solid-State Surface Wall Mounted Vanity Light Fixture, OXYGEN LIGHTIN	EA	7
225			LO: LED Type Recess Mounted Round Open Adjustable Accent Light Fixture, 4.5	EA	35
226			LP1: Solid-State Type Triangle Shaped Decorative Pendant Mounted, Direct/Indir	EA	6
227			LP2: Solid-State Type Triangle Shaped Decorative Pendant Mounted, Direct/Indir	EA	6
228			LP3: Solid-State Type Triangle Shaped Decorative Pendant Mounted, Direct/Indir	EA	3
229			LR1: Solid-State Type Triangle Shaped Decorative Pendant Mounted, Direct/Indir	EA	6
230			LR2: Solid-State Type Triangle Shaped Decorative Pendant Mounted, Direct/Indir	EA	6
231			LS: Solid-State Type Surface Mounted Enclosed And Gasketed Fiberglass Extrem	EA	16
232			OF1 EM: LED Full Cut-Off Type Wall Mounted Luminaire, MCGRAW-EDISON	EA	1
233			OF2-EM: LED FULL Cut-Off Type Wall Mounted Luminaire, MCGRAW-EDISC	EA	1
234			OF3: LED Full Cut-Off Type Wall Mounted Luminaire, MCGRAW-EDISON "GE	EA	3
235			OF4: LED Full Cut-Off Type Wall Mounted Luminaire, MCGRAW-EDISON "GE	EA	1
236			OG: LED Type Surface Wall Mounted Cylinder Type Light, MARVIK UMV-300	EA	2
237			OG EM: LED Type Surface Wall Mounted Cylinder Type Light, MARVIK UMV-	EA	9
238			OJ1: Solid-State Type 2-1/2" Wide Narrow Aperture Surface Mullion Mounted Li	EA	1
239			OJ2 EM (EA 1): Solid-State Type 2-1/2" Wide Narrow Aperture Surface Mullion	LF	24
240			OK: LED Type Flush Grade Mounted "In-Ground" Light Fixture, WE-EF "ETC13	EA	4
241			XA: Universal Mounting "Exit" Light Fixture, ISOLITE "RL" SERIES RL-AC-R-	EA	53
242			XB: Similar To Type "XA" Except Double Face.	EA	7
243			Emergency Battery Unit, Wall Mounted	EA	2
244			Emergency Fixture With Switch-Baypass Device In Driver Channal	EA	1
			LIGHTING CONTROL		
245			Switching And Dimming Control Wirelessly Via The, WAVELINX System Of Th	EA	5
246			3-Way Switch	EA	4
247			Automatic Day Light Harvesting And Occupancy Control For Lighting Load Serv	EA	9
248			Single Pole Switch	EA	10
249			Wireless Lighting Control System Dimming Switchpack With Relay 0-10V DC	EA	25
250			CS1: Wireless Lighting Control System Wall Mounted Control Station, CO	EA	125
251			LVLC-019: Wireless Lighting Control System Dimming Switchpack W/ Relay	EA	6
252			LVLC-081: Wireless Lighting Control System Dimming Switchpack W/ Relay	EA	1
253			WAC1-02: Lighting Control System Wireless Area Controller	EA	3
254			Dual Technology Occupancy Sensor, GREENGATE ONW-D-1001-MV-XX	EA	4
255			Emergency Bypass Relay, UL924	EA	35
			MISCELLANEOUS		
256			Junction Box	EA	38
			SAW CUT		
257			Saw Cut & Repair Concrete Floor For Conduit Installation	LF	306
			COMMUNICATION		
			TELECOMMUNICATION		
			CONDUIT (Cut Length = 10 LF)		
258			3/4" EMT Conduit	EA	147

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259			1" EMT Conduit W/ Pull String	EA	18
260			1-1/2" EMT Conduit W/ Pull String	EA	15
261			4" EMT Conduit With Pull String	EA	9
262			3/4" PVC SCH 40 Conduit	EA	17
			CONDUCTOR (Roll = 200 LF)		
263			CAT 6 Cable	Roll	97
264			Coaxial Cable	Roll	6
			DEVICES		
265			Combination Tele/Data Outlet	EA	98
			RJ45 Connector	EA	196
			Back Box	EA	98
			Face Plate	EA	98
266			Cable TV System Outlet	EA	12
			F-Connector	EA	12
			Polycarbonate Trim Ring	EA	12
			Back Box	EA	12
			Face Plate	EA	12
267			8' H 3/4" Thick Fire Treated Plywood Backboard	EA	2
			SECURITY		
			CONDUIT (Cut Length = 10 LF)		
268	**E201, E202, E203, E204, E211, E212, E213 & E214**		1" EMT Conduit	EA	514
269			3/4" EMT Conduit W/ Pull String	EA	9
			CONDUCTOR (Roll = 200 LF)		
270			CAT 6 Cable	Roll	39
271			#18 CU THHN/THWN	Roll	51
			DEVICES		
272		**Furnished By The Owner's & Installed By Security System Contractor**	Card Reader W/ 4-11/16" Square Junction Box With Single Gang Plaster Ring	EA	62
273			Security System Door Release Device	EA	6
274			Security System Panel	EA	2
275			Video Survillance System Camera	EA	102
			AUDIO/VISUAL SYSTEM		
			CONDUIT (Cut Length = 10 LF)		
276			1" EMT Conduit W/ Pull String	EA	8
			CONDUCTOR (Roll = 200 LF)		
277			#16 CU THHN/THWN	Roll	1
			DEVICES		
278		**Furnished By The Owner's & Installed By Security System Contractor**	Sound System Microphone Outlet W/ 4" Square x 2-1/8" D Recessed Junction & S	EA	13
			MISCELLANEOUS		
279			4-11/16" Square Junction Box	EA	8
			SAW CUT		
280			Saw Cut & Repair Concrete Floor For Conduit Installation	LF	169
			ELECTRONUC SAFETY AND SECURITY		
			FIRE ALARM		
			CONDUIT (Cut Length = 10 LF)		
281			3/4" EMT Conduit	EA	381
			CONDUCTOR (Roll = 200 LF)		
282			#16 CU THHN/THWN	Roll	13
283			#14 CU THHN/THWN	Roll	25
			DEVICES		
284			Carbon Monoxide Detector	EA	2
285			CO/NO2 Detection Control Panel	EA	2
286			Duct Smoke Detector	EA	4
287			Fire Alarm Audible/Visual Notification Device	EA	25
288			Fire Alarm Audible/Visual Notification Device 110CD	EA	2
289			Fire Alarm Audible/Visual Notification Device 75CD	EA	1
290			Fire Alarm Audible/Visual Notification Device, WP	EA	1
291			Fire Alarm Control Module	EA	5
292	**E201, E202, E203, E204, E211, E212, E213 & E214**		Fire Alarm Control Panel W/ Voice Communication System & Amplifiers or Mic	EA	1
293			Fire Alarm Initiating Device	EA	1
294			Fire Alarm Manual Pull Station	EA	16
295			Fire Alarm System Audible/Visual Notification Appliance, Ceiling Mounted	EA	7
296			Fire Alarm System Control Module	EA	1
297		**Furnish By Mechanical**	Fire Alarm System Duct Smoke Detector	EA	8
298			Fire Alarm System Monitor Module	EA	1
299			Fire Alarm System Smoke Detector	EA	17
300			Fire Alarm System Visual Notification Appliance, Ceiling Mounted, 30CD	EA	10
301			Fire Alarm System Visual Notification Appliance, Wall Mounted, 30CD	EA	23
302			Fire Alarm Visual Device	EA	32

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303			Fire Alarm Visual Device, 30CD	EA	2
304			Cellular Digital Dialer	EA	4
305			Flow Switch	EA	4
306			Heat Detector	EA	1
307			Smoke Detector	EA	24
308			Tamper Switch	EA	6
			GUN RANGE BUILDING		
			ELECTRICAL		
			DISTRIBUTION		
			CONDUIT (Cut Length = 10 LF)		
309			3/4" EMT Conduit	EA	2
310			1" EMT Conduit	EA	18
311			1-1/4" EMT Conduit	EA	9
312			2" EMT Conduit	EA	1
313			4" EMT Conduit	EA	19
314			4" PVC SCH 40 Conduit	EA	11
			CONDUCTOR (Roll = 200 LF)		
315			#10 CU THHN/THWN	Roll	1
316			#8 CU THHN/THWN	Roll	3
317			#6 CU THHN/THWN	Roll	1
318			#3 CU THHN/THWN	Roll	1
319			#2 CU THHN/THWN	Roll	1
320			#1/0 CU THHN/THWN	Roll	1
321			#600 KCMIL CU THHN/THWN	Roll	6
			LUGS		
322			Compression Lug CU With 1-Hole , #8 CU Wire	EA	16
323			Heat Shrink Tubing for #8 CU Wire	EA	16
324			Compression Lug CU With 1-Hole , #6 CU Wire	EA	4
325			Heat Shrink Tubing for #6 CU Wire	EA	4
326			Compression Lug CU With 1-Hole , #3 CU Wire	EA	2
327			Heat Shrink Tubing for #3 CU Wire	EA	2
328			Compression Lug CU With 1-Hole , #2 CU Wire	EA	12
329			Heat Shrink Tubing for #2 CU Wire	EA	12
330			Compression Lug CU With 1-Hole , #1/0 CU Wire	EA	8
331			Heat Shrink Tubing for #1/0 CU Wire	EA	8
332			Compression Lug CU With 1-Hole , #600 KCMIL CU Wire	EA	8
333			Heat Shrink Tubing for #600 KCMIL CU Wire	EA	8
			PANEL & CIRCUIT BREAKER		
334			LP-GRAA: 400A, 480Y/277V, 3Ph, 4W	EA	1
335			3P/400A MCB & TVSS	EA	1
336			3P/90A Breaker	EA	1
337			Surge Protective Device	EA	1
338			Panel RP-GRA: 225A, 208/120V, 3Ph, 4W, Mains: MCB, 10KAIC, 60 Pole: Surf	EA	1
339			1P/15A Breaker	EA	2
340			1P/20A Breaker	EA	36
341			2P/15A Breaker	EA	1
342			2P/45A Breaker	EA	1
343			3P/15A Breaker	EA	1
344			3P/150A MCB	EA	1
345			Surge Protective Device	EA	1
			DEVICES		
346			T-GRA: 45kVA, 480-208Y/120V, 3PH, 4W Transformer	EA	1
			DISCONNECT SWITCH		
347		**Furnished By M.C & Wired By E.C**	2P/45A Non-Fused Disconnect Switch, WP	EA	1
348		**Furnished By Mechanical Contractor**	3P/15A Disconnect Switch	EA	2
349			3P/60A Non-Fused Disconnect Switch, WP	EA	1
350			3P/200A Non-Fused Disconnect Switch, WP	EA	1
			GROUNDING		
351			3/4"x10' CU Ground Rod	EA	2
352			4" High x 1/4" Thick x 2' Long Copper Ground Bar	EA	1
353			Ground Bus	EA	2
354			Neutral Bus	EA	2
355			#2 CU Grounding Conductor	EA	1
356			#1/0 CU Grounding Conductor	EA	1
			POWER		
	E300, E600, E700 & E710		**CONDUIT (Cut Length = 10 LF)**		
357			3/4" EMT Conduit	EA	182
358			3/4" RGS Conduit	EA	11
			CONDUCTOR (Roll = 200 LF)		

MATERIAL LIST

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359			#12 CU THHN/THWN	Roll	27
360			#10 CU THHN/THWN	Roll	2
			DEVICE		
361		**Furnished & Installed By Electrical Contractor**	1P/15A Manual Motor Starter Switch	EA	1
362			2P/15A Equipment Connection	EA	1
363			15A Motor Rated Switch	EA	2
364			Duplex Receptacle	EA	19
365			Duplex Receptacle With Tamper Resistant, GFCI, WP	EA	3
366			Duplex Receptacle, GFCI	EA	6
367			Duplex Receptacle, GFCI, WP	EA	3
368			Quad Receptacle	EA	9
			LIGHTING		
			CONDUIT (Cut Length = 10 LF)		
369			3/4" EMT Conduit	EA	104
			CONDUCTOR (Roll = 200 LF)		
370			CAT5 Cable	Roll	4
371			#12 CU THHN/THWN	Roll	15
372			#10 CU THHN/THWN	Roll	1
			LIGHTING FIXTURES		
373			LD2: Solid-State Type (AKA "LED") Suspended Lensed Strip Light Fixture, MET	EA	2
374			LG1 EM: Solid-State Type 2" Wide Narrow Aperture Wall Mounted Direct / Indir	EA	2
375			LH3: Solid-State Type 2'x2' Recess Mounted Edge Lit Flat Panel Lighting Fixture,	EA	1
376			LN: Solid-State Surface Wall Mounted Vanity Light Fixture, OXYGEN LIGHTIN	EA	1
377			LT1: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	2
378			LT1-EM: Similar To Type "LT1" Except With Integral Emergency Driver Capable	EA	2
379			LT2: Solid-State Type 2'x2' Recess Mounted Solid-State Lighting Fixture, METAL	EA	2
380			LU1: Solid-State Type 2'x4' Recess Mounted Solid-State Lighting Fixture, METAL	EA	1
381			LU2: Solid-State Type 2'x4' Recess Mounted Solid-State Lighting Fixture, METAL	EA	3
382			LU2-EM: Similar To Type "LU2" Except With Integral Emergency Driver Capabl	EA	2
383			LV1: Solid-State Type (AKA "LED") Surface Wall Mounted Lensed Strip Light F	EA	15
384			LV2: Solid-State Type (AKA "LED") Surface Wall Mounted Lensed Strip Light F	EA	15
385			LW: Solid-State Type (AKA "LED") Suspended Lensed Strip Light Fixture, MET	EA	2
386			LW-EM: Similar To Type "LW" Except With Integral Emergency Driver Capable	EA	1
387			OF1: LED Full Cut-Off Type Wall Mounted Luminaire, MCGRAW-EDISON "GF	EA	2
388			XA: Universal Mounting "Exit" Light Fixture, ISOLITE "RL" SERIES RL-AC-R-	EA	4
			LIGHTING CONTROL		
389			0-10V Dimming Control WAVELINX PRO Tile Sensor Kit WTA	EA	1
390			0-10VDC Dimming Switch Pack With 16A Wireless Switch Pack And Sink 120m	EA	1
391			CS200: Wireless Lighting Control Station System, WW3-RL-X	EA	1
392			CS201: Wireless Lighting Control Station System, WW3-RL-X	EA	1
393			CS202: Wireless Lighting Control Station System, WW3-RL-X	EA	1
394			CS203: Wireless Lighting Control Station System, WW3-RL-X	EA	1
395			CS204: Wireless Lighting Control Station System, WW3-RL-X	EA	1
396			CS205: Wireless Lighting Control Station System With Custom Engraving Of P	EA	1
397			CS206: Wireless Lighting Control Station System, WW3-RL-X	EA	1
398			ELI-A: 125 Watts Capacity/120Volts Input And Output, Emergency Lighting C	EA	1
399			R-100: 0-10VDC Dimming Switch Pack With 16A Wireless Switch Pack, COO	EA	2
400			R-102: 0-10VDC Dimming Switch Pack With 16A Wireless Switch Pack, COO	EA	1
401			R-103: 0-10VDC Dimming Switch Pack With 16A Wireless Switch Pack, COO	EA	1
402			Single Pole Switch	EA	1
403			WAC-GR	EA	1
			MISCELLANEOUS		
404			4" SQUARE X 2-1/8" Deep Recessed Junction Box With Single Gang Plaster Rin	EA	2
405			4-11/16" SQUARE Junction Box With Single Gang Plaster Ring	EA	3
406			Junction Box Flush Mounted	EA	3
407			Single Gang Junction Box With Plaster Ring	EA	3
			COMMUNICATION		
			TELECOMMUNICATION		
			CONDUIT (Cut Length = 10 LF)		
408			3/4" EMT Conduit Up To Ceiling	EA	4
			CONDUCTOR (Roll = 200 LF)		
409			CAT6 Cable	Roll	1
			2" J-HOOKS		
410			J-Hooks	EA	23
			DEVICES		
411			Tele Data Outlet	EA	3
412			RJ-45 Connector	EA	6
413			Back Box	EA	3
414			Faceplate	EA	3
			SECURITY		
	E402 & E700		**CONDUIT (Cut Length = 10 LF)**		

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415			1/2" EMT Conduit	EA	2
416			3/4" EMT Conduit	EA	22
417			1" EMT Conduit With Pull string	EA	27
			CONDUCTOR (Roll = 200 LF)		
418			#18 CU THHN/THWN	Roll	2
			DEVICES		
419			Card Reader Access System	EA	3
			MISCELLANEOUS		
420			4" SQUARE X 2-1/8" Deep Recessed Junction Box With Single Gang Plaster Rin	EA	2
421			4-11/16" SQUARE Junction Box With Single Gang Plaster Ring	EA	3
422			Junction Box Flush Mounted	EA	3
423			Single Gang Junction Box With Plaster Ring	EA	3
			UTILITIES		
			SITE ELECTRICAL		
			DISTRIBUTION		
			CONDUIT (Cut Length = 10 LF)		
424			1" EMT Conduit	EA	88
425			1" EMT Conduit With Pull String	EA	6
426			2-1/2" EMT Conduit	EA	4
427			1" PVC SCH 40 Conduit	EA	42
428			1" PVC SCH 40 Conduit With Pull String	EA	16
429			2-1/2" PVC SCH 40 Conduit	EA	60
430			4" PVC SCH 40 Conduit	EA	87
431		**Primary Cabling Furnished And Installed By DTE Energy**	4" PVC SCH 40 Conduit With Pull String	EA	50
			CONDUCTOR (Roll = 200 LF)		
432			#6 CU THHN/THWN	ROLL	19
433			#2 CU THHN/THWN	ROLL	3
434			#4/0 CU THHN/THWN	ROLL	13
435			#400 KCMIL CU XHHW-2	ROLL	17
			LUGS		
436			Compression Lug CU With 1-Hole , #6 CU Wire	EA	36
437			Heat Shrink Tubing for #6 CU Wire	EA	36
438			Compression Lug CU With 1-Hole , #2 CU Wire	EA	8
439			Heat Shrink Tubing for #2 CU Wire	EA	8
440			Compression Lug CU With 1-Hole , #4/0 CU Wire	EA	32
441			Heat Shrink Tubing for #4/0 CU Wire	EA	32
442			Compression Lug CU With 1-Hole , #400 KCMIL CU Wire	EA	40
443			Heat Shrink Tubing for #400 KCMIL CU Wire	EA	40
			CIRCUIT BREAKER		
444			3P/450A Breaker	EA	2
			DEVICES		
445		**Furnished And Installed By DTE Energy**	13.2kV, 480Y/277V, 3PH, 4W, Pad Mounted Service Transformer	EA	1
446			250kW/312kVA, 480Y/277V, 3PH, 4W, Cummins C250N6 With Level 2 Sound A	EA	1
447			250kW/312kVA, 480Y/277V, 3PH, 4W, Cummins C250N6 With Level 2 Sound A	EA	1
448			4 Pole Automatic Transformer Switch	EA	1
			DISCONNECT SWITCH		
449			1P/20A Non Fused Motor Rated Disconnect Switch With Locking HASP, NEMA	EA	2
			3P/50A Fused Disconnect Switch	EA	
			GROUNDING		
450			5/8" x 10' CU Clad Ground Rod	EA	2
451			3/4" x 10' CU Clad Ground Rod	EA	36
452			#6 CU Grounding Conductor (Roll = 50 LF)	ROLL	1
453			#6 Bare Copper Grounding Conductor (Roll = 200 LF)	ROLL	4
			POWER		
			CONDUIT (Cut Length = 10 LF)		
454			3/4" EMT Conduit	EA	18
455			3/4" PVC SCH 40 Conduit	EA	38
456			1" PVC SCH 40 Conduit	EA	3
			CONDUCTOR (Roll = 200 LF)		
457			#12 CU THHN/THWN	ROLL	6
458	**E050, E300 & E400**		#10 CU THHN/THWN	ROLL	4
			DEVICE		
459			Motor Connection	EA	2
			SITE LIGHTING		
			CONDUIT (Cut Length = 10 LF)		

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460			1" EMT Conduit	EA	20
461			1" PVC SCH 40 Conduit	EA	203
			CONDUCTOR (Roll = 200 LF)		
462			#6 CU THHN/THWN	ROLL	34
			LIGHTING FIXTURES		
463			OA: One (1) Side Arm, Pole Mounted LED Light, MCGRAW-EDISON "GALLE	EA	6
464			OB: Two (2) Side Arm, Pole Mounted LED Type Light, MCGRAW-EDISON "GA	EA	2
465			OC: One (1) Side Arm, Pole Mounted LED Light, MCGRAW-EDISON "GALLE	EA	7
466			OD: One (1) Side Arm Pole Mounted LED Type Light, MCGRAW-EDISON "GA	EA	6
467			OE: ONE (1) Side Arm, Pole Mounted LED Type Light, MCGRAW-EDISON "G	EA	6
468			OH: One (1) Post-Top Mounted LED Type Light, MESA" MSA-SA1C-740-U-5W	EA	9
			20' Light Pole	EA	27
			10' Light Pole	EA	9
			Anchor Bolts	EA	144
			Bolt Circle Cover	EA	36
			Hand Hole	EA	36
			Concreate Base	EA	36
			TELECOMMUNICATION		
			CONDUIT (Cut Length = 10 LF)		
469			4" PVC SCH 40 Conduit With Pull String	EA	107
			CONDUCTOR (Roll = 200 LF)		
470			CAT6 Cable	ROLL	3
			DEVICES		
471			Intercom, Pedestal Mounted	EA	2
			SECURITY		
			CONDUIT (Cut Length = 10 LF)		
472			1" EMT Conduit	EA	27
473			1" RGS Conduit	EA	1
474			1" PVC SCH 40 Conduit	EA	24
475			1" PVC SCH 40 Conduit With Pull String	EA	7
			CONDUCTOR (Roll = 200 LF)		
476			#18 CU THHN/THWN	ROLL	5
477			#14 CU XHHW	ROLL	1
			DEVICES		
478			Card Reader, Pedestal Mounted	EA	1
			2" Square Steel Pedestal, With 6" Square Mounting Base, Provide With Accesso	EA	2
			Anchor Bolts	EA	8
			PVC TO RGS Adaptor	EA	2
479		**Furnished And Install By Gate Contractor**	Motorized Gate Operator	EA	1
480			Motorized Gate Underground Vehicle Detection Loop	EA	2
481			Motorized Gate Underground Vehicle Detection Loop	LF	145
482		**Furnished, Installed And Wired By Gate Contractor**	Vehicle Detection Photo Eye Sensor	EA	4
			MISCELLANEOUS		
			TRENCHING & BACKFILLING		
483			Excavation & Backfilling (2' Deep x 1' Wide Trench) Including All Labor and Material/Equipment	CFT	6486