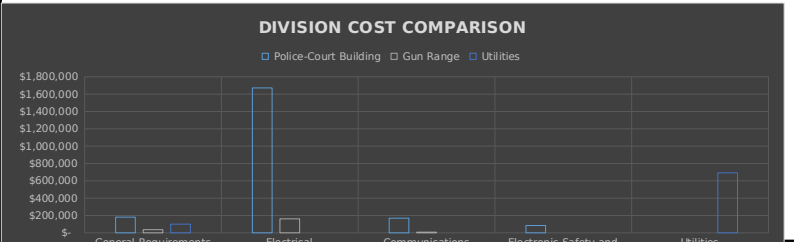
## GENERAL SUMMARY

**Prepared for:** New Eastpointe Police / Court Building And Gun Range
**Project ID:** 1052026
**Scope:** Electrical
**No. Of Floors:** 2
**Date:** 28-Sep-26

ELECTRICAL ESTIMATION
+1 708-381-0900

| | | | | |
|---|---|---|---|---|
| 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 |




ELECTRICAL ESTIMATION

## DETAILED BREAKDOWN OF ITEMS

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

ELECTRICAL ESTIMATION
+1 708-381-0900

**Date:** 28-Sep-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 |

ESTIMATION

## DETAILED BREAKDOWN OF ITEMS

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

ELECTRICAL ESTIMATION
+1 708-381-0900

**Date:** 28-Sep-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3P/250A Breaker | EA | 1 | 0% | 1 | 2.50 | $ 75.00 | $ 187.50 | $ 1,450.00 | $ 1,637.50 | $ 1,637.50 |
| 71 | | | Panel DP-1BB: 200A, 480Y/277V, 3PH, 4W, Main: MLO, 18 Pole, 42KAIC Rated, Floor Mounted NEMA 1<br>Note 4:<br>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<br>Note 4:<br>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<br>Note 4:<br>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 Rate | 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 |

**Phone: +1 708-381-0900**

## DETAILED BREAKDOWN OF ITEMS

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

ELECTRICAL ESTIMATION
+1 708-381-0900

**Date:** 28-Sep-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| 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 Fix | 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 Fix | 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 Fix | 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 Fix | 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 Fix | 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 Fix | 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 Fix | 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 Fix | 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" En | 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" En | 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 Fixtur | 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 Fixtur | 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 Fixtur | 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 EM: 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-EDISO | 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 "GI | 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 "GI | 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 Li | 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 S | 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 |

**Phone: +1 708-381-0900**

## DETAILED BREAKDOWN OF ITEMS

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

ELECTRICAL ESTIMATION
+1 708-381-0900

**Date:** 28-Sep-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| | | | 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.

**Phone: +1 708-381-0900**

## DETAILED BREAKDOWN OF ITEMS

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

ELECTRICAL ESTIMATION
+1 708-381-0900

**Date:** 28-Sep-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** | | | | | | | | | | |

Phone: +1 708-381-0900

## DETAILED BREAKDOWN OF ITEMS

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

ELECTRICAL ESTIMATION
+1 708-381-0900

**Date:** 28-Sep-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| 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.

ELECTRICAL ESTIMATION

## DETAILED BREAKDOWN OF ITEMS

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

ELECTRICAL ESTIMATION
+1 708-381-0900

**Date:** 28-Sep-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 | | | Motorized Gate Underground Vehicle Detection Loop | EA | 2 | 0% | 2 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| 68 | | | Motorized Gate Underground Vehicle Detection Loop | LF | 145 | 0% | 145 | 0.00 | $ - | $ - | $ - | $ - | $ - |

**Phone: +1 708-381-0900**

## DETAILED BREAKDOWN OF ITEMS

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

ELECTRICAL ESTIMATION
+1 708-381-0900

**Date:** 28-Sep-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY | WASTAGE | QUANTITY W/ WASTAGE | UNIT MANHOUR | HOURLY WAGE | LABOR COST | MAT. COST | UNIT COST | SUB COST |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69 | | Furnished, Installed And Wired By Gate Contractor | Vehicle Detection Photo Eye Sensor | EA | 4 | 0% | 4 | 0.00 | $ - | $ - | $ - | $ - | $ - |
| | | | MISCELLANEOUS | | | | | | | | | | |
| | | | TRENCHING & BACKFILLING | | | | | | | | | | |
| 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.

ELECTRICAL ESTIMATION

# MATERIAL LIST

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

ELECTRICAL ESTIMATION
+1 708-381-0900

**Date:** 28-Sep-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 |

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| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 49 | | | Compression Lug CU With 1-Hole , #3/0 CU Wire | EA | 72 |
| 50 | | | Heat Shrink Tubing for #3/0 CU Wire | EA | 72 |
| 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 |

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| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 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 |
| | | | 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 | **E201, E202, E203, E204, E212, E213, E214, E220, E300, E301, E302, E310, E311, E312, E313, E314, E315, E316, E400 & E401** | | 3P/60AS/40AF Heavy Duty Fused Disconnect Switch NEMA 1 With Dual - Elem | EA | 4 |
| 98 | | **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 |

# MATERIAL LIST

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| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 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 |
| | | | **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" En | 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" En | 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" En | 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" En | EA | 1 |
| 174 | | | LA7-EM: Similar To Type "LA7" Except With Factory Installed UL924 "EPC" En | 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" En | 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" En | EA | 1 |
| 181 | | | LC1: 6" Dia LED Type Recess Mounted Round Open Solid-State Down Light Fix | EA | 52 |

# MATERIAL LIST

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

ELECTRICAL ESTIMATION
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**Date:** 28-Sep-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 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 |
| 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 I | EA | 2 |
| 201 | | | LG2: Solid-State Type 2" Wide Narrow Aperture Wall Mounted Direct / Indirect I | EA | 1 |
| 202 | | | LG3: Solid-State Type 2" Wide Narrow Aperture Wall Mounted Direct / Indirect I | 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 Lig | 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" Eexcept 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** | | |

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| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 257 | | | Saw Cut & Repair Concrete Floor For Conduit Installation | LF | 306 |
| | | | | | |
| | | | **COMMUNICATION** | | |
| | | | **TELECOMMUNICATION** | | |
| | | | **CONDUIT (Cut Length = 10 LF)** | | |
| 258 | E201, E202, E203, E204, E211, E212, E213 & E214 | | 3/4" EMT Conduit | EA | 147 |
| 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 | | | 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 Mici | EA | 1 |
| 293 | | | Fire Alarm Initiating Device | EA | 1 |
| 294 | | | Fire Alarm Manual Pull Station | EA | 16 |

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| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 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 |
| 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 |

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| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| 353 | E300, E600, E700 & E710 | | 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** | | |
| | | | **CONDUIT (Cut Length = 10 LF)** | | |
| 357 | | | 3/4" EMT Conduit | EA | 182 |
| 358 | | | 3/4" RGS Conduit | EA | 11 |
| | | | **CONDUCTOR (Roll = 200 LF)** | | |
| 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, METAI | 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, METAI | EA | 2 |
| 380 | | | LU1: Solid-State Type 2'x4' Recess Mounted Solid-State Lighting Fixture, METAI | EA | 1 |
| 381 | | | LU2: Solid-State Type 2'x4' Recess Mounted Solid-State Lighting Fixture, METAI | 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 "GI | 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 |

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|---|---|---|---|---|---|
| | | | **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)** | | |
| 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 |

# MATERIAL LIST

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

ELECTRICAL ESTIMATION
+1 708-381-0900

**Date:** 28-Sep-26

| SR # | Drawing # | Detail # | DESCRIPTION | UNIT | QUANTITY |
|---|---|---|---|---|---|
| | E050, E300 & E400 | | **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 | | | #10 CU THHN/THWN | ROLL | 4 |
| | | | **DEVICE** | | |
| 459 | | | Motor Connection | EA | 2 |
| | | | **SITE LIGHTING** | | |
| | | | **CONDUIT (Cut Length = 10 LF)** | | |
| 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 "G | 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 |