

MATERIAL TAKEOFF AND COST ESTIMATE STATEMENT

| | |
|----------------------|--------------------------------|
| PROJECT NAME: | RESIDENTIALS ELECTRICAL SAMPLE |
| LOCATION: | |



| Sr # | REFERENCE | DESCRIPTION | QUANTITY | WASTE | TOTAL QTY | UNIT | COST/UNIT | MATERIAL TOTAL | UNIT HOURS | TOTAL MANHOURS | UNIT LABOR | TOTAL LABOR | TOTAL COST | REMARKS | TRADE COST | |
|--|-----------|---|----------|-------|-----------|------|-----------|----------------|------------|----------------|------------|---------------------------|------------|------------------|------------|-----------------|
| 01. GENERAL CONDITIONS | | | | | | | | | | | | | | | | \$4,040 |
| INDIRECT PROJECT COSTS | | | | | | | | | | | | | | | | |
| 1 | | General Liability Insurance | 0.0 | 0% | 0.0 | Mo | \$ - | \$ - | 0.000 | 0.00 | \$ - | \$ - | \$ - | | | |
| 2 | | General Conditions (Backoffice Overhead) | 0.0 | 0% | 0.0 | Mo | \$ - | \$ - | 0.000 | 0.00 | \$ - | \$ - | \$ - | | | |
| DIRECT PROJECT COSTS | | | | | | | | | | | | | | | | |
| 3 | | Bonding Fee (If required) | 1.0 | 0% | 1.0 | LS | \$ - | \$ - | 0.000 | 0.00 | \$ 101.00 | \$ - | \$ - | | | |
| 4 | | Access Control (Pipe Scaffolding or Boom/Scissor Lifts) | 1.0 | 0% | 1.0 | LS | \$ - | \$ - | 0.000 | 0.00 | \$ 101.00 | \$ - | \$ - | | | |
| 5 | | Equipment Rental | 1.0 | 0% | 1.0 | LS | \$ - | \$ - | 0.000 | 0.00 | \$ 101.00 | \$ - | \$ - | | | |
| 6 | | Travel, Tools, Gas | 1.0 | 0% | 1.0 | LS | \$ - | \$ - | 0.000 | 0.00 | \$ 101.00 | \$ - | \$ - | | | |
| 7 | | Mobilization | 1.0 | 0% | 1.0 | LS | \$ - | \$ - | 15.000 | 15.00 | \$ 101.00 | \$ 1,515 | \$ 1,515 | | | |
| 8 | | Temp. Facilities | 1.0 | 0% | 1.0 | LS | \$ - | \$ - | 25.000 | 25.00 | \$ 101.00 | \$ 2,525 | \$ 2,525 | | | |
| 9 | | Temp. Signage and Protection | 1.0 | 0% | 1.0 | LS | \$ - | \$ - | 0.000 | 0.00 | \$ 101.00 | \$ - | \$ - | | | |
| 10 | | Temp. Fencing | 1.0 | 0% | 1.0 | LS | \$ - | \$ - | 0.000 | 0.00 | \$ 101.00 | \$ - | \$ - | | | |
| 11 | | Field Superintendent/Foreman (Full Time) | 1.0 | 0% | 1.0 | LS | \$ - | \$ - | 0.000 | 0.00 | \$ 101.00 | \$ - | \$ - | | | |
| 12 | | Project Manager (Part Time) | 1.0 | 0% | 1.0 | LS | \$ - | \$ - | 0.000 | 0.00 | \$ 101.00 | \$ - | \$ - | | | |
| 2. DEMOLITION OF EXISTING ITEMS | | | | | | | | | | | | | | | | \$541 |
| DEMOLITION | | | | | | | | | | | | | | | | |
| 13 | | Breakers To Be Removed | 2.0 | 0% | 2.0 | EA | \$ - | \$ - | 0.930 | 1.86 | \$ 101.00 | \$ 188 | \$ 188 | | | |
| RELOCATION | | | | | | | | | | | | | | | | |
| 14 | | Panel TP3 To Be Relocated | 1.0 | 0% | 1.0 | EA | \$ - | \$ - | 3.500 | 3.50 | \$ 101.00 | \$ 354 | \$ 354 | | | |
| 26. ELECTRICAL | | | | | | | | | | | | | | | | \$48,212 |
| WIRES & CONDUITS | | | | | | | | | | | | | | | | |
| 15 | | #12 Cu THWN | 3384.0 | 5% | 3553.2 | LF | \$ 0.33 | \$ 1,173 | 0.015 | 53.30 | \$ 101.00 | \$ 5,383 | \$ 6,556 | | | |
| 16 | | #10 Cu THWN | 655.9 | 5% | 688.7 | LF | \$ 0.36 | \$ 248 | 0.015 | 10.33 | \$ 101.00 | \$ 1,043 | \$ 1,291 | | | |
| 17 | | #10 Cu AWG | 597.4 | 5% | 627.2 | LF | \$ 0.36 | \$ 226 | 0.015 | 9.41 | \$ 101.00 | \$ 950 | \$ 1,176 | | | |
| 18 | | #8 Cu THWN | 20.0 | 5% | 21.0 | LF | \$ 1.32 | \$ 28 | 0.017 | 0.36 | \$ 101.00 | \$ 36 | \$ 64 | | | |
| 19 | | #1/0 Cu THWN | 80.0 | 5% | 84.0 | LF | \$ 2.67 | \$ 224 | 0.020 | 1.68 | \$ 101.00 | \$ 170 | \$ 394 | | | |
| 20 | | 1/2" Conduit W/Pull String | 20.0 | 5% | 21.0 | LF | \$ 1.25 | \$ 26 | 0.030 | 0.63 | \$ 101.00 | \$ 64 | \$ 90 | | | |
| 21 | | 3/4" EMT Conduit | 1546.0 | 5% | 1623.3 | LF | \$ 1.08 | \$ 1,758 | 0.025 | 40.58 | \$ 101.00 | \$ 4,099 | \$ 5,857 | | | |
| 22 | | 1" PVC Conduit W/Pull String | 16.0 | 5% | 16.8 | LF | \$ 1.35 | \$ 23 | 0.035 | 0.59 | \$ 101.00 | \$ 59 | \$ 82 | | | |
| 23 | | 2" EMT Conduit | 20.0 | 5% | 21.0 | LF | \$ 3.44 | \$ 72 | 0.040 | 0.84 | \$ 101.00 | \$ 85 | \$ 157 | | | |
| RECEPTACLES & DISCONNECT SWITCHES | | | | | | | | | | | | | | | | |
| 24 | | Double Duplex Receptacle | 2.0 | 0% | 2.0 | EA | \$ 26.25 | \$ 53 | 0.788 | 1.58 | \$ 101.00 | \$ 159 | \$ 212 | | | |
| 25 | | Duplex Receptacle | 25.0 | 0% | 25.0 | EA | \$ 20.33 | \$ 508 | 0.610 | 15.25 | \$ 101.00 | \$ 1,540 | \$ 2,048 | | | |
| 26 | | Duplex Receptacle-Floor Mounted | 2.0 | 0% | 2.0 | EA | \$ 33.65 | \$ 67 | 1.010 | 2.02 | \$ 101.00 | \$ 204 | \$ 271 | | | |
| 27 | | GFI Duplex Receptacle | 2.0 | 0% | 2.0 | EA | \$ 22.54 | \$ 45 | 0.676 | 1.35 | \$ 101.00 | \$ 137 | \$ 182 | | | |
| 28 | | 20A/1P Disconnect Switch | 1.0 | 0% | 1.0 | EA | \$ 48.12 | \$ 48 | 1.203 | 1.20 | \$ 101.00 | \$ 122 | \$ 170 | | | |
| 29 | | Disconnect Toggle Switch | 1.0 | 0% | 1.0 | EA | \$ 45.00 | \$ 45 | 1.125 | 1.13 | \$ 101.00 | \$ 114 | \$ 159 | | | |
| LIGHTING CONTROLS | | | | | | | | | | | | | | | | |
| 30 | | Dual Technology Ceiling Mounted Occupancy Sensor | 2.0 | 0% | 2.0 | EA | \$ 73.00 | \$ 146 | 1.320 | 2.64 | \$ 101.00 | \$ 267 | \$ 413 | | | |
| 31 | | Dual Technology Wall Mounted Occupancy Sensor | 1.0 | 0% | 1.0 | EA | \$ 52.19 | \$ 52 | 1.250 | 1.25 | \$ 101.00 | \$ 126 | \$ 178 | | | |
| 32 | | Lighting Contactor C1 | 1.0 | 0% | 1.0 | EA | \$ 640.00 | \$ 640 | 3.200 | 3.20 | \$ 101.00 | \$ 323 | \$ 963 | | | |
| 33 | | Lighting Contactor C2 | 1.0 | 0% | 1.0 | EA | \$ 640.00 | \$ 640 | 3.200 | 3.20 | \$ 101.00 | \$ 323 | \$ 963 | | | |
| 34 | | Low Voltage Push Button | 1.0 | 0% | 1.0 | EA | \$ 47.12 | \$ 47 | 1.414 | 1.41 | \$ 101.00 | \$ 143 | \$ 190 | | | |
| 35 | | Low Voltage Transformer | 1.0 | 0% | 1.0 | EA | \$ 233.00 | \$ 233 | 2.120 | 2.12 | \$ 101.00 | \$ 214 | \$ 447 | | | |
| 36 | | Master Switch Bank | 1.0 | 0% | 1.0 | EA | \$ 174.00 | \$ 174 | 1.950 | 1.95 | \$ 101.00 | \$ 197 | \$ 371 | | | |
| 37 | | Power Pack | 1.0 | 0% | 1.0 | EA | \$ 38.90 | \$ 39 | 1.120 | 1.12 | \$ 101.00 | \$ 113 | \$ 152 | | | |
| 38 | | Sensor | 1.0 | 0% | 1.0 | EA | \$ 30.00 | \$ 30 | 0.750 | 0.75 | \$ 101.00 | \$ 76 | \$ 106 | | | |
| 39 | | Single Pole Switch | 7.0 | 0% | 7.0 | EA | \$ 18.50 | \$ 130 | 0.555 | 3.89 | \$ 101.00 | \$ 392 | \$ 522 | | | |
| LIGHTING FIXTURES | | | | | | | | | | | | | | | | |
| 40 | | ELI2, LED 2 Head Emergency Light W/5W Max Power Consumption MFG: Elite Lighting, Model: ELM-LED-809-W | 10.0 | 0% | 10.0 | EA | \$ 78.25 | \$ 783 | 0.939 | 9.39 | \$ 101.00 | \$ 948 | \$ 1,731 | | | |
| 41 | | EX1, Edge Lit Exit Sign W/Battery Back-Up, MFG: Lithonia, Model: EDG-W-1-REL | 1.0 | 0% | 1.0 | EA | \$ 426.00 | \$ 426 | 2.556 | 2.56 | \$ 101.00 | \$ 258 | \$ 684 | | | |
| 42 | | EX2, White Thermoplastic Emergency/Exit Light Combination, MFG: Lithonia Quantum Series, Model: LHM-LED-R-M | 2.0 | 0% | 2.0 | EA | \$ 124.78 | \$ 250 | 1.497 | 2.99 | \$ 101.00 | \$ 302 | \$ 552 | | | |
| 43 | | F1, Single Circuit Black Track Heads, MFG: Con-Tech, Model: CTL603A | 98.0 | 0% | 98.0 | EA | \$ 22.59 | \$ 2,214 | 0.339 | 33.21 | \$ 101.00 | \$ 3,354 | \$ 5,568 | | | |
| 44 | | Track Light | 196.0 | 0% | 196.0 | LF | \$ 28.13 | \$ 5,514 | 0.275 | 53.90 | \$ 101.00 | \$ 5,444 | \$ 10,958 | | | |
| 45 | | F2, Recessed Fixed LED Down Light 0-10V Dimming, MFG: Amerlux, Model: HDL-HP-R-NC-17-T-18-120 | 4.0 | 0% | 4.0 | EA | \$ 398.25 | \$ 1,593 | 2.390 | 9.56 | \$ 101.00 | \$ 965 | \$ 2,558 | | | |
| 46 | | L1, Linear LED Fixture, MFG: Mercury Lighting, Model: LSA-4-4000-35K-HTA | 4.0 | 0% | 4.0 | EA | \$ 138.00 | \$ 552 | 1.656 | 6.62 | \$ 101.00 | \$ 669 | \$ 1,221 | | | |
| CIRCUIT BREAKERS | | | | | | | | | | | | | | | | |
| 47 | | 20A/1P Breaker | 15.0 | 0% | 15.0 | EA | \$ 34.50 | \$ 518 | 0.518 | 7.76 | \$ 101.00 | \$ 784 | \$ 1,302 | | | |
| 48 | | 20A/1P Lock-On Breaker | 1.0 | 0% | 1.0 | EA | \$ 34.50 | \$ 35 | 0.518 | 0.52 | \$ 101.00 | \$ 52 | \$ 87 | | | |
| MISCELLANEOUS | | | | | | | | | | | | | | | | |
| 49 | | 4" Square Back Box | 2.0 | 0% | 2.0 | EA | \$ 18.75 | \$ 38 | 0.563 | 1.13 | \$ 101.00 | \$ 114 | \$ 151 | | | |
| 50 | | Exhaust Fan | 1.0 | 0% | 1.0 | EA | \$ 190.00 | \$ 190 | 1.680 | 1.68 | \$ 101.00 | \$ 170 | \$ 360 | | | |
| 51 | | Junction Box | 2.0 | 0% | 2.0 | EA | \$ 18.75 | \$ 38 | 0.563 | 1.13 | \$ 101.00 | \$ 114 | \$ 151 | | | |
| 52 | | Thermostat | 1.0 | 0% | 1.0 | EA | \$ 214.00 | \$ 214 | 1.450 | 1.45 | \$ 101.00 | \$ 146 | \$ 360 | | | |
| 53 | | Time Clock | 1.0 | 0% | 1.0 | EA | \$ 279.00 | \$ 279 | 2.350 | 2.35 | \$ 101.00 | \$ 237 | \$ 516 | | | |
| 28. LOW VOLTAGE | | | | | | | | | | | | | | | | \$4,805 |
| WIRES & CONDUITS | | | | | | | | | | | | | | | | |
| 54 | | 2#16 FPLP | 139.0 | 5% | 146.0 | LF | \$ 0.30 | \$ 44 | 0.015 | 2.19 | \$ 101.00 | \$ 221 | \$ 265 | | | |
| 55 | | 2 Cat 6 Cable | 129.0 | 5% | 135.5 | LF | \$ 0.35 | \$ 47 | 0.015 | 2.03 | \$ 101.00 | \$ 205 | \$ 253 | | | |
| 56 | | #6 Cu Ground | 10.0 | 5% | 10.5 | LF | \$ 1.32 | \$ 14 | 0.017 | 0.18 | \$ 101.00 | \$ 18 | \$ 32 | | | |
| 57 | | 3/4" EMT Conduit | 139.0 | 5% | 146.0 | LF | \$ 1.08 | \$ 158 | 0.025 | 3.65 | \$ 101.00 | \$ 369 | \$ 527 | | | |
| 58 | | 1" Conduit W/Pull String | 90.0 | 5% | 94.5 | LF | \$ 1.74 | \$ 164 | 0.035 | 3.31 | \$ 101.00 | \$ 334 | \$ 498 | | | |
| ALARMS & DEVICES | | | | | | | | | | | | | | | | |
| 59 | | Horn Strobe Signal Device | 3.0 | 0% | 3.0 | EA | \$ 45.40 | \$ 136 | 1.362 | 4.09 | \$ 101.00 | \$ 413 | \$ 549 | | | |
| 60 | | Pull Station | 1.0 | 0% | 1.0 | EA | \$ 42.20 | \$ 42 | 1.266 | 1.27 | \$ 101.00 | \$ 128 | \$ 170 | | | |
| 61 | | Remote Alarm Switch | 1.0 | 0% | 1.0 | EA | \$ 44.19 | \$ 44 | 1.326 | 1.33 | \$ 101.00 | \$ 134 | \$ 178 | | | |
| 62 | | Strobe Signal Device | 2.0 | 0% | 2.0 | EA | \$ 39.12 | \$ 78 | 1.174 | 2.35 | \$ 101.00 | \$ 237 | \$ 315 | | | |
| 63 | | FE (Detail Not Given) | 1.0 | 0% | 1.0 | EA | \$ 75.00 | \$ 75 | 1.500 | 1.50 | \$ 101.00 | \$ 152 | \$ 227 | | | |
| TELECOMMUNICATION | | | | | | | | | | | | | | | | |
| 64 | | 3/4" Plywood Telephone Back Board | 1.0 | 0% | 1.0 | EA | \$ 28.54 | \$ 29 | 0.450 | 0.45 | \$ 101.00 | \$ 45 | \$ 74 | | | |
| 65 | | Data Outlet | 7.0 | 0% | 7.0 | EA | \$ 18.50 | \$ 130 | 0.555 | 3.89 | \$ 101.00 | \$ 392 | \$ 522 | | | |
| 66 | | Wireless Access Point | 2.0 | 0% | 2.0 | EA | \$ 129.00 | \$ 258 | 1.380 | 2.76 | \$ 101.00 | \$ 279 | \$ 537 | | | |
| SECURITY DEVICES | | | | | | | | | | | | | | | | |
| 67 | | Delivery Buzzer Including #852 Push Button, #592 Transformer & #660 Buzzer | 1.0 | 0% | 1.0 | EA | \$ 167.57 | \$ 168 | 1.900 | 1.90 | \$ 101.00 | \$ 192 | \$ 359 | | | |
| NOTES FOR CLIENTS | | | | | | | | | | | | SUBTOTAL | | \$58,299 | | |
| THIS EXCEL STATEMENT IS EDITABLE AND CAN BE MODIFIED AS NEEDED. | | | | | | | | | | | | GENERAL CONDITIONS | | | | |
| | | | | | | | | | | | | OVERHEAD | 10% | \$ 5,829.85 | | |
| | | | | | | | | | | | | PROFIT | 15% | \$ 8,744.78 | | |
| | | | | | | | | | | | | INSURANCE | 0% | \$ - | | |
| | | | | | | | | | | | | CONTINGENCY | 5% | \$ 2,914.93 | | |
| | | | | | | | | | | | | NET TOTAL | | \$ 75,788 | | |