**Electrical** **Quantity**

|  |  |
| --- | --- |
| Quad Channel Arduino Relay Module | 1 |
| 12" Actuator with Brackets + Cotter Pins | 1 |
| 6" Actuator with Brackets + Cotter Pins | 1 |
| Photoresistors | 4 |
| 220 Ohm Resistor | 4 |
| Arduino Uno WiFi Revision 2 | 1 |
| Black EEEKit 30A Solar Charge Controller | 1 |
| 200W Solar Panel w/ TUV Cert Solar Cable | 1 |
| 12V Battery | 1 |
| Large Breadboard | 1 |
| Breadboard Cables | 30 |
| USB 2.0 CABLE TYPE A/B | 1 |
| 25ft. 20 16 Gauge Wire | 1 Red, 1 Black |

**Hardware Quantity**

|  |  |
| --- | --- |
| Tee Joining Plate | 6 |
| Joining Plate | 10 |
| Fastening Screws | 20 |
| Fastening Nuts | 20 |
| Post (16” Aluminum Extrusion) | 1 |
| Double Hinge Bar (26” Aluminum Extrusion) | 2 |
| Long Actuator Bar (16” Aluminum Extrusion) | 1 |
| Base Legs (26” Aluminum Extrusion) | 2 |
| Base Strut (44” Aluminum Extrusion) | 1 |
| T-slot Pivot Joint | 3 |
| Weatherproof Junction Box | 1 |