



- 1 PROVIDE PHOTOVOLTAIC-POWERED LIGHTING SYSTEM. LIGHTING SYSTEM SHALL BE COMPLETE WITH THE FOLLOWING:
- PHOTOVOLTAIC MODULES AND ARRAY.
 - BATTERIES AND CONTROL SYSTEM, NEMA 3R, ALUMINUM OR 304 SST ENCLOSURE.
 - 62,000 HOURS - L70 LAMP LIFE.
 - MINIMUM 3 DAYS BATTERY RESERVE FOR CLOUDY CONDITIONS.
 - FULL-CUTOFF, DARK SKY COMPLIANT LIGHT FIXTURE.
 - 15 FOOT GALVANIZED STEEL ROUND TAPERED POLE WITH 30 INCHES CONCRETE PEDESTAL.
 - ENTIRE ASSEMBLY INCLUDING BUT NOT LIMITED TO SOLAR PANEL/UNIT, CONTROLS, FIXTURE AND POLE SHALL BE CERTIFIED TO WITHSTAND BASIC DESIGN WIND SPEED OF 210 MPH.
- 2 PROVIDE PAINT ON CONCRETE PEDESTAL. COLOR SELECTION BY ARCHITECT AND OWNER.
- 3 PROVIDE CORROSION INHIBITOR COATING THAT WILL MINIMIZE GALVANIC REACTION BETWEEN DISSIMILAR METALS (BASE, ANCHOR NUT, BOLTS, ETC.)
- 4 PROVIDE COMPLETE SHOP DRAWINGS SHOWING POLES, POLE LIGHT FIXTURES, MOUNTING ACCESSORIES, WIRINGS, CONDUITS, FOUNDATION AND ASSOCIATED EQUIPMENT. SUBMIT SHOP DRAWINGS TO CONTRACTING OFFICER FOR REVIEW AND APPROVAL.
- 5 UNLESS OTHERWISE NOTED, ALL STEEL PARTS SHALL BE 304 STAINLESS STEEL.
- 6 PROVIDE GROUNDING CONNECTION TO ARM AND BRACKET.

- ◇ PROVIDE SOLAR CONNECTORS BETWEEN WIRING INSIDE POLE TO THE SOLAR PANEL TO ALLOW THE OWNER THE CAPABILITY OF DISCONNECTING SOLAR PANEL ARRAY ASSEMBLY FROM THE POLE FOR TEMPORARY REMOVAL DURING A STORM EVENT. PROVIDE MEANS TO SECURELY COVER TOP OF POLE DURING THIS CONDITION.
- ◇ PROVIDE CABLE CONNECTORS BETWEEN ARM AND LUMINAIRE TO ALLOW THE OWNER THE CAPABILITY OF DISCONNECTING THE LUMINAIRE FROM THE ARM FOR TEMPORARY REMOVAL DURING A STORM EVENT. PROVIDE MEANS TO COVER ARM DURING THIS CONDITION.

IF SHEET IS LESS THAN 24" X 36"
REDUCED PRINT - USE GRAPHIC SCALES

E9.9