Sketch 5 – Bill of Material

Sketch 5: Typical solar powered system for a concrete heliport landing surface.

The heliport is not connected to the grid and operates on self-contained solar generated DC power. The system is permanent and interconnected with a central controller and solar power scheme. Unlike other suppliers who use individual lights with mini antennas, our HSOL is not subject to radio reception issues and inadequate solar arrays causing failure due to lack of battery life.

The HSOL system will provide 24V DC power to one lighting circuit which will operate upon activation of the required PRC radio controller.

Letter Description Quantity Product Download Catalog

A FATO Perimeter Light DC 16 PRL-97004-4C-G-PLS-NC (inset) HL115PRLv4

or PEL-57005-4C-G-PLS-NC (elevated) HL135PELv5

B Surface Floodlight DC 2 PSF-53062-3-T-PLS-V HL208PSF

D Internally Lighted Wind Cone 1 PWC-8061L-3-ON-FF-B WC110PWC

G Heliport Identification Beacon \* 1 PHB-37002-W-3-M-NC-SOL (Solar) HL315PHBv2

with Solar Power System

H Solar Power System including 1 HSOL HL402HSOL

PV array, battery, solar controller

J Radio Controller 1 PRC-65001-DC-xxx.xxx HL416PRC

\* The PHB is intended to aid the pilot to locate the site from a long distance. It should operate all night separate from the solar powered heliport lighting.

It should be installed on a high point such as the tallest building visible in 360-degrees. The PHB will be on its own solar power supply.

Requirements:

* The heliport lighting system must be new and designed for this purpose.
* The heliport lighting system must all be Point Lighting Corporation products.
* The PRC radio controller and the HSOL system must be purchased and installed together.
* The site should have a solar insolation value of 1.0 or higher for best results.