

## SECTION 07800 - SKYLIGHTS

### City of San Diego, CWP Guidelines

#### PART 1 -- GENERAL

##### 1.1 WORK OF THIS SECTION

- A. The WORK of this Section includes all skylights and appurtenant work, complete.

##### 1.2 RELATED SECTIONS

- A. The WORK of the following Sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK.

- 1. Section 07410 Metal Roofing System
- 2. Section 07510 Built-up Roofing System
- 3. Section 07600 Flashing and Sheet Metal
- 4. Section 07720 Roof Accessories

##### 1.3 CODES

- A. The WORK of this Section shall comply with the current editions of the following codes as adopted by the City of San Diego Municipal Code:

- 1. Uniform Building Code

##### 1.4 SPECIFICATIONS AND STANDARDS

- A. Except as otherwise indicated, the current editions of the following apply to the WORK of this Section:

- 1. Commercial Standards:

NRCA National Roofing Contractors Association

##### 1.5 SHOP DRAWINGS AND SAMPLES

- A. The following shall be submitted in compliance with Section 01300:

- 1. The manufacturer's specifications, literature, and published installation instructions for each type of skylight.
- 2. Shop drawings showing materials, gauges, sizes, finishes, profiles, fabrication of special shapes, fasteners and method of attachment to adjacent construction.

## 1.6 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. **Delivery of Materials:** Manufactured products shall be delivered in original, unbroken, packages or containers bearing the name of the manufacturer.
- B. **Storage:** All products shall be carefully stored on wood blocking in accordance with manufacturer's instructions in an area that is protected from deleterious elements. Storage shall be in a manner that will prevent damage or marring of finish.

## PART 2 -- PRODUCTS

### 2.1 SKYLIGHTS

- A. Skylights shall be in accordance with the manufacturer's published literature and specifications for product indicated.
- B. **Design:** Skylights shall be factory-assembled of the double-dome type, designed to meet applicable Uniform Building Code requirements. Skylights shall be weathertight. The skylight unit shall be designed to accommodate a temperature change of 100 degrees F without distress in assembly, fasteners, or glazing.
- C. **Frames and Gaskets:** Skylights shall include a 6063-T5 extruded aluminum curb frame, with an integral sloping gutter and dome elevating leg, with continuous vinyl or neoprene support gasket and retaining frame. The prefabricated curb for operable and fixed skylights shall be of aluminum construction, insulated with fiberglass, and shall be 9 inches in height. Approximate sizes of skylight openings are indicated. Frame shall be provided with a [.07 mil clear anodized finish AA-M12-C22-A41.] [0.7 mil dark bronze anodized finish AA-M12-C22-A42.] [AA-M12-C22-marine type hardcoat for ocean environments. Marine type clear hardcoat anodized finish conforming to MIL-A-8625C, Type II, Class 1, with 0.0020-inch minimum coating thickness.]
- D. **Domes:** Outer dome for operable and fixed skylights shall be formed of one-piece [white] [bronze] translucent cast acrylic to withstand a minimum live load of 40 lb per sq ft.
- E. Inner dome shall be formed of one-piece white translucent cast acrylic.

### 2.2 MANUFACTURERS

- A. Skylights shall be of the following manufacture and model (or equal):
  - 1. APCO, Model JDP
  - 2. Bohem Manufacturing Co., Model Type B-D

## PART 3 -- EXECUTION

### 3.1 GENERAL

- A. The installation shall conform to applicable codes and the manufacturer's published recommendations, specifications, and installation instructions for the type of work being performed. The construction shall be coordinated with the work of other trades.
- B. The CONTRACTOR shall verify the opening sizes required for the skylights prior to structural framing; shall notify the CONSTRUCTION MANAGER of conflicts and seek direction; and shall make modifications to the structural framing or skylight details as necessary.

### 3.2 INSTALLATION AND CONSTRUCTION REQUIREMENTS

- A. **Cant and Edge Strips:** Cant strips and tapered edge strips shall be provided at all intersections of roof surfaces with curbs and accessories which do not have built-in cants.
- B. **Embedded Sheet Metal:** All sheet metal surfaces to be embedded into roofing shall be cleaned and prime-coated with asphalt primer prior to embedding into roofing system.
- C. **Dissimilar Metals:** Dissimilar metals shall be properly isolated with protective coating or isolation material.
- D. **Thermal Movement:** Thermal movement, up to 100 degrees F change, shall be accommodated without distress in assembly of fasteners.

\*\* END OF SECTION \*\*