

SECTION 086200—METAL FRAMED UNIT SKYLIGHTS

MODEL DTPO

PART 1: GENERAL

1.01 DESCRIPTION:

A. Scope:

This section includes everything necessary for and incidental to the execution and completion of the metal framed skylight work as shown on the drawings and specified herein.

B. Work Included:

Work included, and is limited to, the skylight materials only and includes the following:

1. Metal framed skylights complete with curb frame (for mounting on flashed curbs by others) and (single) (double), Tempered/Tempered Glass. Curb frames to have integral counter-flashing.

C. Related Work:

1. Section _____ roofing.
2. Section _____ flashing & sheet metal.
3. Section _____ final cleaning.

1.02 DESIGN CRITERIA:

A. Structural Criteria:

Skylight structural members shall be designed for the following loads:
Fill in per local code requirements.

B. Moisture Control:

1. Skylights shall have integral condensation gutter and weep holes for draining any moisture to outside.
2. Skylights shall utilize manufacturers standard closed-cell, UV-stabilized polyethylene tape between retainer to prevent air and water infiltration.

1.03 SUBMITTALS:

A. Shop Drawings:

Submit _copies of manufacturer's standard approval sheet for architect's review and approval.

PART 2: PRODUCTS

2.01 MANUFACTURER:

- A. Standard Aluminum skylights shall be a Tam Skylight, Model DTPO, as manufactured by Tam Industries, Inc. (1-800-SKY-LITE), size as shown on the drawings. Substitute manufacturers shall not be considered without prior approval in writing no later than ten calendar days prior to the bid.

2.02 MATERIALS:

- A. Curb frame to be fabricated from 6063-T5 aluminum extrusion having a minimum thickness of .060" and shall have a built in condensation gutter. Corners shall be welded with T.I.G. process to insure leakproof quality.
- B. 1" overall dual seal silicone insulated glass units. Made up of tempered glass exterior, airspace (or argon filled airspace) and clear tempered glass interior. Glass thickness as required by the span and loads.
- C. Outer Aluminum Cap finish to be dark bronze or clear anodized.
- D. Inner Base Frame to be fabricated from extruded polyvinyl chloride members having a minimum thickness of .060" and shall have a built in condensation gutter. Corners shall be thermally welded to insure leakproof quality.
- E. Glazing strips, shall be a closed-cell, UV-stabilized polyethylene tape, that meets or exceeds AAMA 810.1 specifications.

2.03 FABRICATION:

- A. Skylight shall be factory assembled.
- B. All welding of aluminum shall be by the heliarc process.

PART 3: EXECUTION:

3.01 INSPECTION:

- A. Prior to starting installation, the skylight installer shall inspect the supporting curbs for squareness, and that the curb is water-tight. Report in writing, any deficiencies in the substrate. Work shall not proceed until all deficiencies are corrected.

3.02 PREPERATION:

- A. Tops of curbs shall have a closed-cell weather gasket tape, available through Tam, to form a watertight seal between the skylight curb frame and curbing.

3.03 INSTALLATION:

- A. The skylight installer shall show proof of having satisfactorily installed projects of a similar type. The installer shall be acceptable to the material manufacturer and shall work strictly in accordance with the manufacturer's installation instructions.