

SECTION 086200—METAL FRAMED UNIT SKYLIGHTS

SERIES 88-DTP-LEA

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 LowE/Laminated 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 DTP-LEA, 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 tig process to insure leakproof quality.
- B. 1" overall dual seal silicone insulated glass units. Made up of tempered soft-coat LowE glass exterior, airspace (or argon filled airspace) and tempered clear glass.
- C. Aluminum finish to be dark bronze anodized 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 tig 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.