

SECTION 08620—UNIT SKYLIGHTS

Dade County/FBC/TDI Approved Curb Mount (Model DCM)

PART 1: General

1.01 Section Includes:

A. Scope:

This section includes everything necessary for and incidental to the execution and completion of the Florida Building Code, Dade County and Texas Department of Insurance approved Polycarbonate glazed Curb Mount skylight as shown on all drawings and specified herein.

B. Work Included:

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

1. Sealed double domed unit skylights complete with curb mount frame for installation on flashed curb by others.

C. Related Work:

1. Division 7: Thermal & Moisture Protection.
2. Division 8: Windows & Doors.
3. Section _____ final cleaning.

1.02 References and Approvals:

Architectural Testing, Inc., 130 Derry Court, York, PA 17402

REPORT#: 01—43381.01

Miami-Dade County Building Code Compliance Office

Product Control Notice of Acceptance (NOA): 08-0219.02 Expires –May 15, 2013

Sheffield Plastics, Inc., 119 Salisbury Road, Sheffield, MA 01257

Product Control Notice of Acceptance (NOA): 01-0709.07 Expires: 08/27/2007

Florida Building Commission 2555 Shumard Oak Blvd., Tallahassee, FL 32399-2100

2004 Version of the Florida Building Code: Product Approval Number: FL #2418-R1

Texas Department of Insurance 333 Guadalupe Austin, TX 78714-9104

Texas Department of Insurance Evaluation Report no. SK-13

National Accreditation & Management Institute 11870 Merchants Walk Newport News VA 23606

Product, Manufacturing and Quality Assurance Certification No.: NI009198A

Construction Consulting Lab 1601 Luna Road Carrollton, Texas 75006

**AAMA/WDMA/CSA 101/LS.2/A440-05 including: ASTM E283, ASTM E330, ASTM E331
ASTM E547—Standard specification for windows, doors & skylights**

1.03 Performance Criteria:

A. Impact Resistance:

Polycarbonate glazed unit skylights must meet the requirements of Protocol
TAS—201-94

B. Static Air Pressure:

Polycarbonate glazed unit skylights must meet the requirements of Protocol

TAS—202-94

C. Cyclic Wind Pressure Loading:

Polycarbonate glazed unit skylights must meet the requirements of Protocol TAS—203-94

D. Structural Loads:

Polycarbonate glazed unit skylights must meet the requirements of Protocol TAS—202-94; Design Load = 60.0 psf.

E. Cyclic Wind Pressure Loading:

Polycarbonate glazed unit skylights must meet the requirements of Protocol TAS—203-94; Design Load = 60.0 psf.

1.04 Submittals:

A. Shop Drawings:

Submit _____ copies of manufacturers standard approval sheet for architects review and approval.

1.05 Warranty:

Skylight manufacturer shall provide a written warranty against defects in materials and workmanship for a period of five (5) years from date of installation for frame and finish, seven (7) years for glazing.

1.06 Manufacturer:

Dade Curb Mount skylight(s) shall be Maxim Industries, Inc. model DCM as manufactured by Maxim Industries, Inc., 1630 Terre Colony Dallas, Texas, 214-905-2021 with sizes as shown on drawings.

Part 2: Products:

2.01 Materials:

A. Curb Mount Frame:

Curb mount frame shall be fabricated from 6063-T5/T6 aluminum extrusion with a thickness of .060. Curb mount frame shall have an integral condensation gutter. All corners shall be welded using the heliarc process.

B. Sheffield Makrolon SL Sealed Polycarbonate Domes:

Sheffield Makrolon SL® sealed Polycarbonate domes shall be Clear/White or White/Clear. Domes shall be secured to frame with a fully welded retainer cap, thickness of .060.

C. Aluminum Finish:

All exposed aluminum to be Mill Finish, Clear Anodized, Bronze Anodized, or Powder Coated Custom Color, as selected by architect.

D. Sealants:

1. Dow Corning 795 sealant:

Dow Corning 795 structural sealant applied continuously around perimeter of

skylight between .060" X 1.5" X 1.75" T6063 extruded aluminum retaining angle and Sheffield Makrolon SL® Polycarbonate top dome.

2. Schnee-Morehead 5127 sealant tape:
Schnee-Morehead 5127 Sealant Tape applied continuously between Polycarbonate bottom dome and .060" T6063 extruded aluminum frame

E. Fasteners:

All fasteners used in the factory assembly process shall be stainless steel. All fasteners and screws used for securing skylight to structure shall be by others.

2.02 Assembly:

All skylights shall be factory assembled and factory glazed.

Part 3 Installation:

3.01 Site Inspection:

Installer shall notify general contractor/project manager of any structural or dimensional deficiencies immediately. No work shall proceed without the correction of all deficiencies or written authorization is given to proceed.

3.02 Installation:

Skylight shall be installed in strict accordance with installation drawings and instructions provided by the manufacturer. Any deviation shall only be through written authorization from the architect.

A. Sealants:

No sealants shall be applied to aluminum if temperature is below 32 degrees F.

3.03 Protection:

Protection of skylights during construction shall be the responsibility of the general contractor/project manager.

3.04 Cleaning:

A. General Cleaning:

Installer shall remove all protective coverings from frames and/or domes and shall leave installation free from heavy debris and/or sealant markings.

B. Final Cleaning:

Final cleaning in accordance with manufacturers recommendations shall be by the general contractor/project manager. Cleaning instructions shall be located on manufacturers label.

End of Section