

SPECIFICATIONS SECTION 08620
INDUSTRIAL SKYLIGHT SPECIFICATION

I. PART ONE - GENERAL

1.1 SUMMARY

- A. Work included: Furnishing and installing factory fabricated industrial skylights.
- B. Related Work: [\[Insert applicable specification sections\]](#)

1.2 REFERENCES

- A. American Society for Testing and Materials (ASTM), 100 Bar Harbor Drive, West Conshocken, PA 19428; (610) 832-9585, fax (610) 832-9555
- B. Underwriters Laboratories (UL), 333 Pfingsten Road, Northbrook, IL, 60062, (847) 272-8800, FAX (847) 272-8129

1.3 SUBMITTALS

- A. Product Data: Provide manufacturer's product data for all materials in this specification.
- B. Shop Drawings: Show profiles, accessories, location, fusible links, adjacent construction interface, and dimensions.
- C. Samples: Manufacturer to provide upon request; sized to represent material adequately.
- D. Contract Closeout: Skylight manufacturer shall provide the manufacturer's Warranty prior to the contract closeout [\[if applicable\]](#).

1.4 PRODUCT HANDLING

- A. All materials shall be delivered in manufacturer's original packaging.
- B. Store materials in a dry, protected, well-vented area. The contractor shall thoroughly inspect product upon receipt and report damaged material immediately to delivering carrier and note such damage on the carrier's freight bill of lading.
- C. Remove protective wrapping immediately after installation [\[if applicable\]](#).

1.5 SUBSTITUTIONS

- A. Proposals for substitution products shall be accepted only from bidding contractors and not less than (10) working days before bid due date. Contractor guarantees that proposed substitution shall meet the performance and quality standards of this specification.

1.6 JOB CONDITIONS

- A. Verify that other trades with related work are complete before installing skylight(s).
- B. Mounting surfaces shall be straight and secure; substrates shall be of proper width.
- C. Refer to the construction documents, shop drawings, and manufacturer's installation instructions.
- D. Coordinate installation with roof membrane and roof insulation manufacturer's instructions before starting.
- E. Observe all appropriate OSHA safety guidelines for this work.

1.7 WARRANTY/GUARANTEE

- A. Manufacturer's standard warranty: Materials shall be free of defects in material and workmanship for a period of one year from the date of purchase. Should a part fail to function in normal use within this period, manufacturer shall furnish a new part at no charge. Electrical motors, special finishes, and other special equipment (if applicable) shall be warranted separately by the manufacturers of those products.

II. PART TWO - PRODUCTS

2.1 MANUFACTURER

- A. R & S Sales Company, Inc., 3575 Old Conejo Rd., Newbury Park, CA 91320
1-805-375-3980, Fax: 1-805-375-3981, Web: www.mssales.com

2.2 INDUSTRIAL SKYLIGHT

- A. Furnish and install where indicated on plans skylight Type SK, size: [insert: width (_____) x length (_____)]. The skylight shall be preassembled from the manufacturer.
- B. Performance characteristics:
1. Skylight(s) shall conform with the requirements of ASTM E283, Air Infiltration. Maximum allowable leakage shall not exceed 0.3 cfm/sq ft at 1.57 psf air pressure differential.
 2. Skylight(s) shall conform with the requirements of ASTM E547, Water Resistance. There shall be no visible water leakage at 2.86 psf air pressure differential.
 3. Skylight(s) shall conform with the requirements of ASTM E330, Uniform Load Tests.
- C. Construction: Frames and metal components shall be [select: 20 gauge G-90 galvanized steel or 0.063" aluminum] with formed reinforcing members:
1. The skylight system shall incorporate CC1 approved light transmitting copolyester plastic material that conforms with UL 972 Standard for Burglary Resisting Glazing Material. The material shall have an Ultraviolet-light protective layer.
 2. All Dome edges shall be protected with a metal cap and provided with necessary sealants.
 3. All Framing Systems shall incorporate provisions for condensate control.
 4. Skylight with plastic skylight dome:
 - a. Model SK-[insert: width (_____) length (_____)] -SDA- single dome or DDA double dome - [insert: width (_____) length (_____)].
 - b. Outer Dome Medium White. Dome material co-polyester Solarex plastic UL 972 listed.
 - c. Inner Dome Clear when Model DDA specified.
 - d. Dome Metal Caps shall be [select: 20 gauge G-90 galvanized steel or 0.063" aluminum]
 5. Skylight with Vent:
 - a. Model SKL-[insert: width (_____) length (_____)]- Louvered section shall be with three rows of 1-1/2" deep formed steel louvers.
- D. Curb: Shall be minimum 6" in height. Curb shall be formed with a 3-1/2" flange with 1/4" holes provided for securing to roof deck. Curb shall be equipped with integral metal capflashing of the same gauge and material as the curb.
- E. Curb insulation: When provided, shall be polyisocyanurate rigid insulation of 1" (25.4mm) thickness. When placed on the outside of curb, it shall be provided with a metal liner.
- I. Finishes: Factory finish shall be mill finish.

III. PART THREE - EXECUTION

3.1 INSPECTION

- A. Verify that skylight installation will not disrupt other trades. Verify that the substrate is dry, clean, and free of foreign matter. Report and correct defects prior to any installation.

3.2 INSTALLATION

- A. Submit product design drawings for review and approval to the architect or specifier before fabrication.
- B. The installer shall check as-built conditions and verify the manufacturer's skylight details for accuracy to fit the application prior to fabrication. The installer shall comply with the skylight manufacturer's installation instructions.
- C. The installer shall furnish mechanical fasteners and sealants consistent with the roof requirements.

3.3 MAINTENANCE

- A. Maintain skylight(s) in accordance with manufacturer's instructions. Abrasive cleaners will scratch the surface of plastic skylights. Dust and dirt may be removed with a soft cloth dampened with water and detergent.
- B. Grease or oil deposits may be removed with naphtha or isopropyl alcohol. After cleaning, wash with a soft cloth dampened with water and detergent.
- C. Never use solvents including methyl alcohol, toluene, acetone, chlorinated solvents, dry cleaning solutions, lacquer thinners, or gasolene.
- D. Inspect metal surfaces for dirt and corrosion every six (6) months or more often as conditions warrant. Clean and touch up painted or coated surfaces as required.

END OF SECTION 08620