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Legacy report on the 1988 *Uniform Building Code*™

DIVISION: 08—DOORS AND WINDOWS
Section: 08620—Unit Skylights

CALLAWAY PLASTI-DOME SKYLIGHTS

LANE-AIRE MANUFACTURING CORP.
POST OFFICE BOX 4482
2820 EL PRESIDIO STREET
CARSON, CALIFORNIA 90749

1.0 SUBJECT

Callaway Plasti-Dome Skylights.

2.0 DESCRIPTION

2.1 General:

The Callaway Plasti-Dome skylights are formed from a single or double flat sheet of white, translucent or clear colorless Plexiglas Type G as described in ~~Evaluation Report No. 1084.~~

**** LARR 2267**

The Plasti-Dome skylights are designated as Sky-Lok Flashing Domes, Double Domes, Standard Domes, Ventilating Domes, Self-flashing Domes, and Circular Plasti-Domes.

The Sky-Lok Flashing Domes have frames fabricated from 0.063-inch-thick 6063-T5 extruded aluminum with counterflashing formed from 0.032-inch-thick 3003-H14 extruded aluminum. Each skylight is supplied with the counterflashing for attachment to a 1⁵/₈-inch- or 4-inch-high curb. The skylights are manufactured in square or rectangular sizes having outside dimensions not exceeding 98 inches by 98 inches and 55 inches by 102 inches, or 64 inches by 96 inches, respectively.

The Double Dome skylights provide an air space between two layers of Plexiglas Type G acrylic plastic. The frames are formed from 0.063-inch-thick 6063-T5 extruded aluminum and are designed for attachment to 1⁵/₈-inch curbs.

The Standard Dome skylights are identical to the Sky-Lok Domes described above except for frame construction and flashing installation. The Ventilating Domes skylights are

designed to be openable from the inside of the building with frames formed from 6063-T5 extruded aluminum. The units are designed to be installed utilizing an insulated curb or mounted on a wood curb. Screening is provided as an integral part of the unit.

The Self-flashing Dome skylights are designed so that the roof cover is installed over flashing provided as an integral component of the skylight.

The Circular Plasti-Dome skylights are equipped with a fiberglass insulated curb formed from 0.025 aluminum or 16-ounce cold-rolled copper.

2.2 Identification:

The skylights are identified by a decal attached thereto specifying the name and address of the manufacturer.

3.0 EVIDENCE SUBMITTED

Results of load tests, installation instructions and descriptive data are submitted.

4.0 FINDINGS

That the Callaway Plasti-Dome Skylights described in this report comply with Section 5202 of the 1988 *Uniform Building Code*™, subject to the following conditions:

- 4.1 The skylights are installed in accordance with the requirements of this report, Section 5207 of the code and the manufacturer's instructions.**
- 4.2 Design loads do not exceed 20 pounds per square foot.**
- 4.3 The acrylic plastic has a CC2 classification.**
- 4.4 The skylight dimensions and plastic thickness comply with the values set forth in Table 1.**
- 4.5 The skylights may be installed on structures up to 40 feet in height and in areas subject to a basic wind speed of 80 miles per hour.**

This report is subject to re-examination in one year.

**** REVISED BY CITY OF LOS ANGELES**

TABLE 1

MODEL NUMBER	DOMES THICKNESS (inch)	DOMES RISE (inches)	CLEAR OPENING (inches)
2020	0.125	4	14 ¹ / ₂ × 14 ¹ / ₂
2424	0.125	5	19 × 19
2828	0.125	7	22 ¹ / ₄ × 22 ¹ / ₄
3636	0.125	8	30 ¹ / ₄ × 30 ¹ / ₄
4242	0.125	10	37 × 37
5252	0.125	12	46 ¹ / ₄ × 46 ¹ / ₄
6060	0.187	14	55 × 55
8080	0.250	19	75 × 75
9898	0.250	22	92 ¹ / ₂ × 92 ¹ / ₂
2028	0.125	4	14 ¹ / ₄ × 22 ¹ / ₄
2052	0.125	4	14 ¹ / ₄ × 46 ¹ / ₄
2842	0.125	6	22 ¹ / ₄ × 37
2852	0.125	6	22 ¹ / ₄ × 46 ¹ / ₄
2876	0.125	6	22 ¹ / ₄ × 69 ¹ / ₂
3296	0.125	7	25 ¹ / ₂ × 89 ¹ / ₂
3652	0.125	8	30 ¹ / ₄ × 46 ¹ / ₄
3676	0.125	8	30 ¹ / ₄ × 69 ¹ / ₂
4280	0.150	10	37 × 75
4364	0.150	10	38 × 59
5276	0.150	12	46 ¹ / ₄ × 69 ¹ / ₂
5296	0.150	12	46 ¹ / ₄ × 89 ¹ / ₂
55102	0.150	12	48 × 96
6476	0.187	15	57 ¹ / ₂ × 69 ¹ / ₂
6496	0.187	15	57 ¹ / ₂ × 89 ¹ / ₂