LEGACY REPORT

ER-5888P

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Legacy report on the 1997 *Uniform Building Code*™

DIVISION: 10—SPECIALITIES
Section: 10530—Protective Covers

ALUMINUM COMPONENTS FOR SITE-CONSTRUCTED PATIO COVERS

DURALUM PRODUCTS, INC.
8269 ALPINE AVENUE
SACRAMENTO, CALIFORNIA 95826

1.0 SUBJECT

Aluminum Components for Site-constructed Patio Covers.

2.0 DESCRIPTION

2.1 General:

The aluminum components recognized in this evaluation report are used to construct patio covers conforming to Appendix Chapter 31, Division III, of the 1997 *Uniform Building Code*™ (UBC). The roof and wall panels used with the patio covers must be recognized in a current ICC-ES evaluation report.

2.2 Patio Covers:

Patio cover structures must be constructed in accordance with the plans accompanying this evaluation report. All patio cover structures must be attached on one side to an existing structure.

Enclosure walls may have any configuration, provided the open area of the longer wall and one additional wall is equal to at least 65 percent of the area below a minimum of 6 feet, 8 inches (2032 mm), of each wall, measured from the floor. Openings may be enclosed with insect screening or plastic that is readily removable and translucent or transparent, and that is not more than 0.125 inch (3.2 mm) in thickness.

All structural members for the patio cover structures recognized in this evaluation report are fabricated from 6063-T6 aluminum alloy. All steel in contact with aluminum, including screws and anchors, must be hot-dipped galvanized or zinc electroplated.

2.3 Patio Cover Insulated Roof Panels:

The panels used with the patio cover structures recognized in this evaluation report must have a current ICC-ES evaluation report for use with patio covers complying with Appendix Chapter 31, Division III, of the UBC.

The panels must be factory-assembled sandwich panels consisting of painted, galvanized metal skins adhered to both sides of an expanded polystyrene (EPS) foam-plastic core. The panels must have a 3-inch (76 mm) thickness and a maximum 48-inch (1219 mm) width.

2.4 Installation:

Patio cover structures recognized in this evaluation report must be installed in accordance with this evaluation report.

2.5 Allowable Loads:

The plans accompanying this evaluation report, dated August 2, 2000, revised April 1, 2001, specify allowable design loads for the patio cover structures.

2.6 Identification:

The components of the patio cover structures are identified by a label specifying the manufacturer's name (Duralum Products, Inc.) and address (Sacramento, California), and the evaluation report number (ER-5888P). The roof panels must be identified in accordance with their ICC-ES evaluation report.

3.0 EVIDENCE SUBMITTED

Calculations, plans and a quality control manual.

4.0 FINDINGS

That the aluminum components for site-constructed patio covers described in this report comply with the 1997 *Uniform Building Code*™ (UBC), subject to the following conditions:

4.1 Installation of the patio enclosure complies with this evaluation report.

4.2 Patio connections to the supporting structure must be designed and the justification submitted to the building official for approval.

4.3 Patio cover enclosures must have one long wall and one additional wall with openings equal to at least 65 percent of the area below a minimum of 6 feet, 8 inches (2032 mm), of each wall measured from the floor. The required openings may be enclosed with insect screening and/or readily removable transparent or translucent plastic or glazing not more than 0.125 inch (3.8 mm) in thickness.

4.4 The remaining portions of the structure, other than what is described in this report, are designed and constructed in accordance with the UBC.

4.5 The components are fabricated by Duralum Products, Inc., at their facilities located in Sacramento, California.

This report is subject to re-examination in two years.