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4201 North Beach St.
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RESEARCH REPORT: RR 24921
(CSI # 13030)

Attn: Kirk Mellits
(682) 317-5284

Expires: May 1, 2020
Issued Date: May 1, 2018
Code: 2017 LABC

GENERAL APPROVAL –Renewal – KPS Global - Wood-Frame and Insul-Frame Wall and Ceiling Panels for Walk-in Coolers and Freezers for Indoor and Outdoor use.

DESCRIPTION

KPS Global, prefabricated wall and ceiling panels consist of minimum 3½-inch wood or urethane lumber frames with 26 gage stucco embossed galvanized steel and a core of urethane foam. The panels utilize "cam-lock" devices to hold them together.

The wood Frame Panels are made of S-P-F No. 2 or better, while the Insul-Frame panels are made of moulded urethane foam having a density of 10.3 pounds per cubic foot. The urethane foam is Dow or BASF Class 1 foam.

Flame spread and smoke developed ratings per ASTM E-84 of 25 or less and 450 or less respectively.

KPS Global-Wood Frame and Insul-Frame fabricated walk-in coolers and freezers constructed of panels described above are approved with the following requirements:

1. Height to width ratio of units are as indicated in Table 2.

RR 24921
Page 1 of 3

KPS Global

RE: Wall and Ceiling Panels for Walk-in Coolers and Freezers

2. No permanent loads, equipment or storage loads shall be carried by the ceiling panels with the exception for the evaporator. If evaporator is supported from the top panel, it must be accounted for in calculations for ceiling panel loads. For equipment loads, calculations demonstrating that the applied loads are less than the maximum allowable loads must be submitted to the structural plan check section for each project. The calculations must be prepared by a California registered Civil Engineer or Architect.
3. The panels shall be considered combustible and may be used only in areas where combustible materials are permitted by the Code.
4. An approved fire retardant roof covering shall be placed over the panels when used as an exterior roof panel.
5. The panels shall be fabricated in a shop of a licensed Type I fabricator approved by the Los Angeles City Building Department. Fabrication in unlicensed shops will invalidate this approval. If piping or other utilities are in the walls or ceilings a type II fabricators license is required.

DISCUSSION

The report is in compliance with the 2017 Los Angeles City Building Code.

The approval is based on tests.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

KPS Global

RE: Wall and Ceiling Panels for Walk-in Coolers and Freezers

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this Approval have been met in the project in which it is to be used.

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Attachment: Span Chart (2 page)