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201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

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—

Centria, A Division of NCI Group, Inc.
1005 Beaver Grade Road
Moon Township, PA 15108

Attn: Diane L. Thompson
(412) 299-8184

RESEARCH REPORT: RR 25578
(CSI # 07410)

Expires: April 1, 2020
Issued Date: September 1, 2018
Code: 2017 LABC

GENERAL APPROVAL – Clerical/Technical Modification and Renewal - Centria Versawall and Versapanel Insulated Wall Panels

DETAILS

Centria Versawall insulated wall panels consist of minimum 26 gauge (0.0190 in.) painted (optional) galvanized or galvalume steel facers with maximum 4-inch thick approved polyisocyanurate foam cores. Panels are available in various widths to 36 inches and various lengths. Panel side joints are modified double tongue and groove with sealant.

Centria Versapanel insulated wall panels consist of minimum 26 gauge (0.0190 in.) painted (optional) galvanized or galvalume steel facers, with maximum 4-inch thick approved polyisocyanurate foam cores. Panels are available in various widths to 36 inches and various lengths. Panel side joints are modified double tongue and groove at panel ribs sealant.

Centria wall panels are used as exterior non-load bearing walls in a vertical application. The Centria wall panels shall only be installed where combustible, non-fire-resistance-rated building construction is permitted by the 2017 Los Angeles Building Code. For use as exterior wall panels where noncombustible construction is required, the panels shall conform to condition 1 under conditions of approval of this report.

Maximum flame spread and smoke developed index ratings are 20 and 300, respectively per ASTM E84.

Self-ignition temperature per ASTM D-1929 is 932 degree Fahrenheit.

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CENTRIA

RE: Centria Versawall and Versapanel Wall Panels

Flashing must be placed in accordance with Sections 1405.4 of the 2017 Los Angeles Building Code on both ends of panels when installation is at the building's base, and at eaves, openings, and horizontal and vertical corners.

A non-skinning butyl sealant is used for panel joints and trim. A 3/16-inch bead of butyl sealant is factory or field applied on the interior tongue and groove interlock. Application of a bead of butyl sealant on the exterior tongue and groove interlock is optional. Sealant is applied to side joints of adjacent panels prior to the panels' being engaged. Panels are firmly interlocked to make continuous contact with the sealant. Erection proceeds along the wall elevation, with installation of successive panels being in accordance with the manufacturer's installation instructions. Sealants must conform to AAMA Voluntary Specification and Test Methods for non-drying Sealants (AAMA 809.2-92). The sealant is applied to clean and dry surfaces at temperatures ranging from 40° to 120° F.

The allowable positive and negative panel out-of-plane (transverse) loads for the panels installed over a single, double or multiple spans are based on negative wind load connection, allowable deflection, allowable bending and allowable shear of panels as set forth in Appendix B and C of the general approval attachment.

CENTRIA

RE: Centria Versawall and Versapanel Wall Panels

The approval is subject to the following conditions:

1. Centria Versawall and Versapanel series wall panels using polyisocyanurate foam core having 4 inch maximum thickness are permitted to be used in exterior, nonload-bearing, noncombustible, nonfire-resistance-rated, multistory wall construction.
2. Centria Versawall and Versapanel wall panels are permitted to be used in combustible construction.
3. Centria Versawall and Versapanel panels using polyisocyanurate foam core having a 4-inch maximum thickness are permitted to be used in interior wall and ceiling applications.
4. Panels shall be manufactured in the shop of a licensed fabricator approved by the Los Angeles City Building Department.
5. The panels shall be identified with the following information.
 - a) Product name and type.
 - b) Identification of insulation manufacturer
 - c) Flame-spread and smoke-development rating
 - d) Inspection agency name.
 - e) LARR No. 25578
6. Construction plans and structural calculations for site specific loading conditions must be submitted to the Structural Plan Check Division for approval. Calculations must be completed by a licensed civil or structural engineer registered in the State of California.
7. Connections of the panel system to building frame shall conform to Section 1604 of the 2017 Los Angeles City Building Code. The fastener capacity in the applicable substrate is outside the scope of this report.
8. Design and details of panel attachment to the building structure must be approved by the Structural Plan Check Division of the City of Los Angeles, Department of Building and Safety prior to installation.\
9. The panel shall be installed per the manufacturer's published installation instructions. A copy of these instructions shall be available on the construction site.

CENTRIA
RE: Centria Versawall and Versapanel Wall Panels

DISCUSSION

The clerical modification is to capture updated petitioner name, contact and telephone number.

The technical modification is to capture a change in the panel foam formulation and to recognize wall panel installations on exterior walls of building of any height and to capture allowable panel span charts as set forth in Appendices B and C. The panel profiles have not changed.

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

The approval is based on fire tests. Versawall and Versapanel panels meet the requirements for 2603.4 and 2603.5 of the 2017 Los Angeles City Building Code and UBC Standard No. 26-3 (Room Fire Test).

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.

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.

QUAN NGHIEM, Chief
Engineering Research Section
201 N. Figueroa St., Room 880
Los Angeles, CA 90012
Phone- 213-202-9812
Fax- 213-202-9943

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Attachment: Appendix A – Panel Attachment Details (1 Page)
Appendix B – Versawall Load Span Tables (9 Pages)
Appendix C – Versapanel Load Span Tables (5 Pages)