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Murphy Engineered Wood Products
412 West Central
Sutherlin, Oregon, OR 97479

Attn: Greg V. Gassner
(541) 459-4545

RESEARCH REPORT: RR 25953
(CSI # 06 17 00)

BASED UPON ICC-EVALUATION SERVICE
REPORT NO. ESR-2913

REEVALUATION DUE
DATE: April 1, 2018
Issued Date: April 2, 2016
Code: 2014 LABC

GENERAL APPROVAL – Reevaluation-Murphy Laminated Veneer Lumber (LVL).

DETAILS

The above assemblies and/or products are approved when in compliance with the use, description, design, installation, conditions of use and identification of Evaluation Report ESR-2913, reissued June 2014, of the ICC Evaluation Service, LLC. The report, in its entirety, is attached and made a part of this general approval.

The parts of Evaluation Report No. ESR-2913 marked by the asterisks are the parts modified or deleted from this approval by the Los Angeles Building Department.

The approval is subject to the following conditions:

1. Design calculations and details for specific applications, demonstrating that Murphy LVL comply with this report, must be submitted to the Plan Check Engineer. The design calculations and details for specific applications must be prepared by a California Licensed Engineer.
2. The allowable design stress values given in Table 1 of the attached ICC-ES ESR-2913 are limited to conditions in which the average equilibrium moisture content of solid sawn lumber is less than 16 percent.

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3. Installation must comply with this report, the manufacturer's published installation instructions and Los Angeles Building Code
4. Design stresses shall not exceed those set forth in Table 1 of the ICC-ES ESR-2913 except for the applicable adjustment factor as specified in Section 8.3 of the National Design Specifications (NDS) for Wood Construction 2005 Edition.
5. Joist allowable bending stresses given in Table 1 of the ICC-ES ESR-2913 are for based on a reference depth of 12 inch. For other joist depths, the values shall be modified by $(12/d)^{0.18}$ where, d= depth in inches. For joist depths less than 2-1/2 inches, the factor for the 2-1/2 inches must be used.
6. Tension parallel to grain values given in Table 1 of the ICC-ES ESR-2913 are based on a reference length (l) of 3 feet. For other lengths, the allowable tensile stress must be modified by $(3/l)^{0.11}$. For lengths less than 3 feet, the unadjusted allowable tension stresses in the table are used.
7. Murphy LVL products having fire-retardant or preservative chemical treatments is beyond the scope of this report.
8. Connection design shall be limited to nailed and bolted connections described in the ICC-ES ESR-2913 and shall comply with the 2014 Los Angeles City Building Code.
9. Murphy LVL is produced in Sutherlin, Oregon, under a quality control program with inspections by APA - The engineered Wood Association (AA-649).

DISCUSSION

The report is in compliance with the 2014 Los Angeles City Building Code.

The approval is based on engineering analysis and tests in accordance with ICC-ES Acceptance Criteria for Structural Wood-Based Products (AC47)

This general approval will remain effective provided the Evaluation Report is maintained valid and unrevised with the issuing organization. Any revision to the report must be submitted to this Department for review with appropriate fee to continue the approval of the revised report.

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.

Murphy Engineered Wood Products
Re: Murphy Laminated Veneer Lumber (LVL).

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: ICC ES Report No. ESR-2913 (3 Pages)