

LP[®] LVL Concrete Forming Beams
Louisiana-Pacific Corporation

PR-L291

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Product: LP[®] LVL Concrete Forming Beams
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1. Basis of the product report:
 - ASTM D5456-14b
 - PFS Corporation Test Reports (Louisiana-Pacific Canada Ltd., Golden, British Columbia): 1750F_b - 1.3E Douglas-fir LVL, 2250F_b - 1.5E Douglas-fir LVL, 2250F_b - 1.5E Lodgepole pine LVL, 2950F_b - 2.0E Douglas-fir LVL
 - APA Reports T2005P-13, T2005P-76A, T2006P-06, T2008P-10, T2008P-31, T2008P-43, T2010P-33, T2012P-08, T2014P-16, and T2014P-28, and other qualification data
2. Product description:

LP LVL concrete forming beams are made with wood veneers laminated with grain parallel to the length of the member in accordance with the in-plant manufacturing standards approved by APA except that 1750F_b-1.3E concrete form beams contain veneers oriented 90 degrees (cross-ply) to the length of the member. LP LVL concrete forming beams are available in a range of thicknesses (1-1/2 inches to 3-1/2 inches), depths (3-1/2 inches to 11-1/4 inches) and lengths. Refer to the manufacturer's technical guide and a local LP Engineered Wood Products distributor for product availability.
3. Design properties:

Table 1 lists the design properties for LP LVL concrete forming beams. The allowable spans for LP LVL concrete forming beams shall be determined based on the design properties provided in this report and the recommendations provided by Louisiana-Pacific Corporation as published in the *LP LVL Concrete Forming Beam Technical Guide* (Lit. Item LPEW0248) available at www.lpcorp.com/resources/literature/.
4. Product installation:

LP LVL concrete forming beams shall be installed in accordance with the recommendations provided by Louisiana-Pacific Corporation (see link above) and the engineering drawing(s) approved by the engineer of record. Permissible details shall be in accordance with the engineering drawing(s).
5. Storage, handling, inspection and evaluation:

The storage and handling of LP LVL concrete forming beams shall be in accordance with the recommendations provided by Louisiana-Pacific Corporation (see link above). LP LVL forming beams shall be thoroughly visually inspected by a qualified person to ensure they are new or like-new prior to use. A guide for the evaluation of visual defects and subsequent required action are provided by Louisiana-Pacific Corporation.
6. Limitations:
 - a) LP LVL concrete forming beams shall be designed using the design properties provided in this report.
 - b) LP LVL concrete forming beams are limited to dry service conditions where the average equilibrium moisture content of sawn lumber is less than 16 percent.

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