

**WOOD I-JOISTS  
ROSEBURG RFPI® I-JOISTS**

**PA-131**

Discipline: Structural

Revised 04-26-06  
Issued 03-25-04

This Product Acceptance (PA) report indicates DSA's acceptance of a manufacturer's product and conditions for its use in projects under DSA jurisdiction, which include State of California public elementary and secondary schools (grades K-12), community colleges, and state-owned or state-leased essential services buildings.

A DSA PA report is issued on the basis of conformance with referenced code provisions, standards, product listings, and acceptance criteria. A DSA PA report is not mandatory. Products without a DSA PA report may be accepted for a specific project by a DSA regional office.

Product Acceptance reports are intended for use by project design professionals and DSA staff. DSA approval of any project using the specified product is contingent on incorporation, into the plans and specifications, of all applicable conditions of use. This product may be substituted for products specified in the DSA approved plans and specifications, provided that the project architect and/or structural engineer obtains DSA approval for all substitutions.

Acceptance of the product described below is granted contingent on continued acceptable performance, and can be revised or withdrawn at any time by DSA. Changes to the product specifications and/or manufacturing procedures without DSA concurrence may void this Product Acceptance Report.

<b>PRODUCT TYPE</b>	<b>Wood I-Joists</b>
<b>PRODUCT NAME</b>	<b>RFPI® I-Joists</b>
<b>COMPANY NAME</b>	Roseburg Forest Products Company
<b>COMPANY CONTACT</b>	Dave Anderson, P.E. <b>Tel: (888) 510-3001</b> PO Box 1088 <b>Fax: (541) 679-2612</b> Roseburg, OR 97470 <b>e-mail: davea@rfpco.com</b>
<b>DSA CONTACT</b>	Terence Fong <b>Tel: (916) 324-7099</b> 1102 Q Street, Suite 5100 Sacramento, CA 95814-3965 <b>e-mail: terence.fong@dgs.ca.gov</b>
<b>REFERENCES</b>	
<b>Code:</b>	2001 California Building Code (CBC) Title 24, Part 2, Sections 1605A.4, 1633A.2.8, 2303A5.1, and 2316A.2.3
<b>Standards:</b>	ASTM D 5055-02 DSA AC 23-1
<b>Listing:</b>	ICC ES ESR-1251, reissued November 1, 2005. ICC ES ESR 1210, reissued Feb. 1, 2006

**DISCUSSION:**

Roseburg RFPI® I-joists are I-beams having engineered wood flanges and webs of oriented strand board (OSB). Flanges are fabricated from 2.05E or 1.8E laminated veneer lumber (LVL) at least 1-3/8 inches thick. Webs are 3/8 inch or 7/16 inch thick nominal OSB, Exposure 1 sheathing. Exterior type adhesives, complying with ASTM D 2559, are used for flange-to-flange, flange-to-web, and web-to-web joints.

Acceptance is based on DSA's review of the referenced Listing, manufacturer's test data and quality control program, for compliance with the Code and Standards listed above.

Continuous independent inspection for Roseburg RFPI I-joists fabrication is not required. All monthly quality control audit reports resulting from unannounced audits by a qualified independent inspection agency as defined in ASTM D 5055-02 shall be sent semi-annually to the Division of the State Architect headquarters office contact person listed above.

**CONDITIONS OF USE:**

Roseburg RFPI® I-joists are acceptable for use on projects under DSA jurisdiction, subject to the conditions listed below:

1. Design, installation, detailing, and other conditions of use shall be as set forth in **DSA AC 23-1** and the **Listing** referenced above. The allowable design moments shown in Table 1 of the referenced listing includes a repetitive use factor, therefore these values shall be reduced by a factor of 0.96 in accordance with DSA AC 23-1 Section 2.2.
2. Flange material shall be Rigidlam® as recognized in the ICC ES ESR-1210 and DSA PA - 136.
3. Webs: Oriented Strand Board (OSB) web material shall be 3/8 inch or 7/16 inch, Structural 1, Exposure 1, complying with PS2-92, and the Roseburg I-Joist Quality Control Manual.

The OSB web material approved for use on DSA projects shall be stamped with the brand name, grade, thickness, mill location and mill number. Approved OSB web suppliers are:

Company	Brand Name	Thickness	Mill Location	Mill No.
Ainsworth	OSB Web Stock	3/8 in., 7/16 in.	100 Mile House, BC	APA-445



**IDENTIFICATION:**

Roseburg RFPI® I-joists shall bear identification stamps similar to the samples shown here:

**16" RFPI®-50**     
 SPACING      12"OC    16"OC    19.2"OC    24"OC     
 **LA25439 1817**     
 07-14-04 14:30  
 SIMPLE SPAN    27'-0"    24'-8"    23'-4"    20'-2"     
 GLUED RESIDENTIAL FLOORS  
 MULTIPLE SPAN    29'-5"    24'-3"    20'-2"    16'-1"     
 PLANT 1053 ▪ PRI-400

**ICC-ES ESR-1251    APA-*EWS***