

**WOOD I-JOISTS
JAGER JSI JOISTS**

PA-128

Discipline: Structural

Revised 09-19-06
Issued 09-12-01

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of the product described below is granted contingent on continued acceptable performance, and can be revised or withdrawn at any time by DSA.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

PRODUCT TYPE	Wood I-Joists	
PRODUCT NAME	JSI Joists	
COMPANY NAME	Jager Building Systems, Inc.	
COMPANY CONTACT	John Scarlett 6839 44 Street SE Calgary, Alberta, Canada T2C 2C9	Tel: (403) 203-6783 Fax: (403) 203-2617 e-mail: jscarlett@jagerbuildingsys.com
DSA CONTACT	Terence Fong 1102 Q Street, Suite 5100 Sacramento, CA 95814-3965	Tel: (916) 324-7099 e-mail: terence.fong@dgs.ca.gov
REFERENCES	<p>Code: 2001 California Building Code (CBC) Title 24, Part 2, Sections 1605A.4, 1633A.2.8, 2303A5.1, and 2316A.2.3</p> <p>Standards: ASTM D 5055-04</p> <p>Listing: ICC ES ESR 2077, issued on June 1, 2006</p>	

Discussion:

JSI joists are I-beams having engineered wood flanges and webs of oriented strand board (OSB). Flanges are fabricated from machine stress rated (MSR) Spruce-Pine-Fir (SPF), or Black Spruce. Webs are 3/8 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, and manufacturer's test data for compliance with the Code and Standards listed above.

Continuous independent inspection of JSI joist fabrication is not required. All quality control audit reports resulting from unannounced audits by a qualified independent inspection agency as defined in ASTM D 5055-04 shall be maintained and made available to the Division of the State Architect upon request.

1. CONDITIONS OF USE: JSI joists are acceptable for use on projects under DSA jurisdiction, subject to the conditions listed below:

- 1.1** Design, installation, detailing, manufacturing, and other conditions of use shall be as set forth in **DSA Acceptance Criteria AC 23-1** and the **Listing** referenced above.
- 1.2** Flange material shall be fabricated of MSR SPF or Black Spruce by an acceptable grading agency and Jager Grading Rules per the following table.

JSI Series	Flange Size and Grade	Specific Gravity
JSI 2000	2x3 1.5E-1650 MSR SPF	0.42
JSI 3000	2x3 1.8E-2100 MSR SPF	0.42
JSI 4000	2x4 1.8E-2100 MSR SPF	0.42
JSI 4400	2x4 2.0E-2100 MSR SPF	0.50

- 1.3** Webs: Oriented Strand Board (OSB) web material shall be 3/8 inch, webstock grade, Exposure 1, complying with DSA AC 23-1, PS2-04, and the JSI joists 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. Alternatively, the OSB web material shall be traceable to the original web supplier by documentation upon request. Approved OSB web suppliers include:

Company	Brand Name	Thickness	Mill Location	Mill No.
Ainsworth	OSB Web Stock	25/64 inches	100 Mile House, BC	APA - 445

2. IDENTIFICATION:

JSI joists shall bear identification stamps similar to the sample shown below:

