

**STRUCTURAL GLUED LAMINATED TIMBER  
HSC GLULAM****PA-138**

Discipline: Structural

Issued 05-07-07

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 obtain 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of the product described below is granted contingent on continued acceptable performance, and can be revised or withdrawn at any time by DSA.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.

<b>PRODUCT NAME</b>	<b>High Strength Composite (HSC) Glulam</b>	
<b>COMPANY NAME</b>	Standard Structures Inc.	
<b>COMPANY CONTACT</b>	Steven Caletti, C.E. 5900 Pruitt Avenue Windsor, CA 95492-8767	<b>Tel: (707) 836-8191</b> <b>Fax: (707) 836-8139</b> <b>e-mail:</b> steve@standardstructures.com
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<b>REFERENCES</b>		
<b>Code:</b>	2001 Title 24, Part 2, Section 2316A.2, Item 28	
<b>Standards:</b>	ANSI/AITC A190.1-2002	
<b>Listing:</b>	ICC ES Legacy Report PFC-5579, reissued July 1, 2004	

**Discussion:** Standard Structures, Inc. (SSI) High Strength Composite (HSC) Glulam is glue-laminated timber members fabricated to combinations 32F-2.1E/DF and 30F-2.1E/DF. The combinations are available in unbalanced and balanced lay-ups. The beams consist of visually graded Douglas Fir lumber, and laminated veneer lumber (LVL) used as tension laminations. Individual laminations are 2 inches (51 mm) or less in net thickness. Beam widths of 2-1/2 inches (63.5 mm) and larger are available.

Other combinations are manufactured and listed on PFC-5579, but they are not considered in this PA Report.

Acceptance is based on DSA review of the referenced Listing, test data, and quality control manual, for compliance with the Standards referenced above. Quality control for lumber grading is monitored by the American Plywood Association – The Engineered Wood Association and West Coast Lumber Inspection Bureau, which are approved by the American Lumber Standards Committee for grading laminating stock. The quality control for the fabrication of the glue-laminated beams is monitored by APA – The engineered Wood Association.

- 1. Conditions of Use:** Standard Structures, Inc. HSC Glulam may be specified for use on projects under DSA jurisdiction, subject to the conditions listed below:
  - 1.1** Only the combinations 32F-2.1E/DF and 30F-2.1E/DF may be specified. Other combinations in PFC-5579 are not part of this PA report.
  - 1.2** LVL used for tension laminations shall be manufactured by Pacific Woodtech, Burlington, Washington and complies with the requirements of ANSI/AITC A190.1-2002, Section 4.3.4.
  - 1.3** Continuous independent inspection for fabrication by a DSA approved glulam special inspector is required per CBC Division IX, Section 2337A.1 and Section 1701A.5, Item 17.

**IDENTIFICATION:**

The Standard Structures Inc., High-Strength Composite (HSC) Laminated Beams are identified per Section 2.5 of referenced Listing above. Each beam has a stamp bearing the name Standard Structures, Inc., the species, the manufacturing plant number (Mill 1013), the lumber combination symbol, the ICC ES evaluation report number (PFC-5579), and the name of the inspection agency (APA-The Engineered Wood Association). Unbalanced beams are further marked with a stamp bearing the designation "TOP". A sample stamp is shown below.

**STANDARD STRUCTURES INC.**

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**APA EWS**

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**HSC 30F-2.1E DF**

**ICC-ES PFC-5579**

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**MILL 1013**

**ANSI A190.1-2002**