

San Diego Area Chapter International Code Council Code Interpretations

Carlsbad, Chula Vista, Coronado, Del Mar, El Cajon, El Centro, Encinitas, Escondido, Imperial Beach, La Mesa, Lemon Grove,
National City, Oceanside, Poway, San Diego City, San Diego County, San Marcos, Santee, Solana Beach, Vista

Subject: Metal-plate-connected Wood Trusses Approved fabricators	Revision Date: April 15, 2008	
Key Words: Wood trusses, Approved fabricators	Code Section: 1704.2.2, 2303.4.1	
Investigated By: Special Inspections Committee	Code: CBC	Code Year: 2007
Approved By: ICC- San Diego Area Chapter	Date Approved: April 15, 2008	

Question:

Which fabricators of ‘metal-plate-connected’ wood trusses are considered ‘Approved’ fabricators per Section 1704.2.2?

Answer:

A Metal-plate-connected wood truss fabricator is considered approved if the fabricator has a current and valid certification as a manufacturer of metal-plate-connected wood-trusses by:

1. Truss Plate Institute (TPI), or
2. A special inspection agency approved by International Accreditation Service, Inc. (IAS), providing quality assurance for the fabrication of wood trusses, meeting or exceeding the level of quality control stated in TPI 1-2002 Standards, to the satisfaction of the building official (of the A.H.J.), or
3. Another municipality, subject to prior approval by the building official (of the A.H.J.).

In the absence of the above certification, a fabricator of ‘metal-plate-connected’ wood trusses may be considered as an approved fabricator provided the following requirements are satisfied:

- a. Truss design drawings, details and specifications are prepared in accordance with Sections 2303.4.1 through 2303.4.1.7, by a State of California registered civil / structural engineer.
- b. Chords and web members in each truss are identified by lumber industry standard markings identifying the member size, grade and species.
- c. Metal plate connectors are listed by ICC or listed by a nationally recognized third-party listing agency (subject to approval by the building official) or, mill certifications and shop drawings are reviewed and approved by the truss engineer.
- d. Special inspection is provided during fabrication of trusses by a special inspector approved (certified) by the building official in accordance with Section 1704.2.1. Special inspector shall also verify fabrication of trusses, shown on truss design drawings and specifications, as approved by the building official.
- e. Special inspection reports are submitted to the truss engineer and to the building official for review and approval.