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201 NORTH FIGUEROA STREET  
LOS ANGELES, CA 90012

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Anthony Forest Products  
309 N. Washington  
El Dorado, AR 71731

Attn: Derek Ratchford  
(870) 862-3414

RESEARCH REPORT: RR 25556  
(CSI #06170)

BASED UPON ICC ES EVALUATION  
REPORT NO. ESR-1262

REEVALUATION DUE DATE:  
June 1, 2007

**GENERAL APPROVAL** - Reevaluation - Power Joists™ - ADI-40, ADI-60 and ADI-80 I-Joists.

#### **DETAILS**

The above assemblies and/or products are approved when in compliance with the description, use, identification and findings of Evaluation Report No. ESR-1262, dated August 1, 2005, of the ICC Evaluation Service, Incorporated. The report, in its entirety, is attached to and made part of this general approval.

The parts of Evaluation Report No. ESR-1262 marked by the asterisks are deleted or revised by the Los Angeles City Building Department from this approval.

#### **The approval is subjected to the following conditions:**

1. Adhesives for prefabricated wood I joists flange-flange, flange-web and web-web joists shall be of an exterior type. The adhesive shall conform to ASTM D2559-76.
2. When meeting the Code requirements for repetitive member design, an additional 4 percent increase in allowable bending moment may be used for LVL flanges.
3. Deflection shall be limited per Code for wood members.

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4. Flanges shall not be subjected to dynamic outward forces. Bottom flanges shall not support load exceeding 250 pounds on each side of flange at 5 feet on center or 100 pounds per lineal foot.
5. Notching or cutting of flanges is not permitted. Holes in the webs are limited to size and spacing as stated in Section 2.3.5 of the referenced Evaluation Report. A hole, except factory-fabricated 1 ½" diameter knock-out holes, shall be indicated on the permit set of plans and justified by calculations.
6. Fabrication of prefabricated wood I joists shall be in a shop of a fabricator licensed by the City of Los Angeles Building Department, in accordance with the Manufacturing Standards submitted to the Department.
7. Daily load tests shall be performed in accordance with the Manufacturing Standards. Test results shall be submitted to the Department upon request.
8. The product trade name or trademark, the joist series, the logo of an approved quality assurance agency, the identification mark of the manufacturing plant, and shall be stamped on the side of each joist.
9. Prefabricated wood I joists shall be doubled under all bearing partitions or walls running parallel to the joists.
10. Beams shall not be subjected to tensile stress perpendicular to grain.
11. Design values are subject to adjustment for duration of load as provided in the Code.
12. Prefabricated wood I joists shall be limited to locations where their moisture content cannot be raised above 16 percent.
13. Fasteners are limited to nails as specified in Section 2.3.2 of reference report and in Tables 3 and 4.
14. The design and installation requirements shall comply with the 2002 Los Angeles City Building Code. Complete design and calculations shall be prepared by an architect, civil engineer or structural engineer registered in the State of California.

## **DISCUSSION**

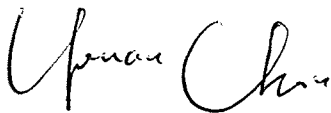
The approval is based on test and analysis.

Anthony Forest Products  
RE: ADI Power I-Joists

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.

This general approval will remain effective provided the Evaluation Report is maintained valid and unrevised with the issuing organization. Any revisions to the report must be submitted to this Department, with appropriate fee, for review in order to continue the approval of the revised report.



YEUAN CHOU, Chief  
Engineering Research Section  
2319 Dorris Place  
Los Angeles, CA 90031  
(213) 485-2376

VC:elem  
RR25556/wp8.0  
R10/18/05  
1A1/214/216

Attachment: ICC ES Evaluation Report No. ESR-1262 (7 Pages)

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