

GENERAL STEPS IN GLUING, FABRICATION & TREATMENT

STRUCTURAL GLUED LAMINATED FRAMING:

- i. Manufactured as per ANSI/AITC A 190.1 "American National Standard, Structural Glued Timber," and applicable lumber association standards cited therein for grades required to achieve glued-laminated timber requirements for allowable stress, appearance, fabrication limitations and species.
- ii. Lumber species for glued laminated members to be Southern Pine (no mixing of species allowed). Glued laminated members to be minimum Grade Combination 47 / 16F-V2 (SEE DRAWINGS) or greater, if required by design. Laminating combinations to be determined by the manufacturer, as necessary to meet structural requirements and maintain the geometry indicated. Structural design shall be in accordance with AITC 117 "Standard Specifications for Structural Glued-Laminated Timber of Softwood Species," and certified by APA.
- iii. Where stress rated timber is required, minimum stress rating shall be as indicated on the drawings. Timber supplied has been either graded or tested and certified to be in compliance with required stress ratings.
- iv. Timber used in Glued-laminated members shall be dried to a maximum 15% moisture content prior to gluing.
- v. Adhesives shall be wet-use type, complying with ANSI/AITC A 190.1.
- vi. Members fabricated according to the attached fabrication drawings (refer to last 9 pages) and in conjunction with E-01 to E-03.
- vii. After fabrication (drilling, cutting...) glued laminated timbers shall receive a treatment of 0.6 Type A Pentachlorophenol as per AWPA Standard C28, Ground contact.
- ix. Materials shall be fabricated & treated at Quebec manufacturing facility.

GOODFELLOW
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 **ISO 9001:2000**
ISO 9001:2000; BS EN ISO 9001:2000; ANSI/ASQ Q9001:2000

GLUED-LAMINATED SPECIFICATION

SPECIES:	SOUTHERN PINE
STRESS GRADE:	COMB. 47 // 16F-V2 (SEE DRAWINGS)
CAMBER:	NO CAMBER
LAMINATIONS:	1 3/8"
STANDARDS:	AS PER ANSI/AITC A 190.1, AITC 117 & APA CERTIFIED
APPEARANCE GRADE:	INDUSTRIAL
TREATMENT:	0.6 TYPE A PENTACHLOROPHENOL AS PER AWPA STANDARD C28, GROUND CONTACT
END / SIDE SEALER:	NONE
WRAPING:	BUNDEL WRAPPED

CONNECTING STEEL SPECIFICATION

STEEL CONNECTION SPECIFICATION: CONFORMS TO CSA G40.21M - 300W (MEETS OR EXCEEDS ASTM A36-36)	
FABRICATION AS PER CSA S16:STEEL TYPE 300W	
WELDS AS PER CSA W59:ELECTRODES E480XX	
COATING:	HOT DIPPED GALVANIZED CONNECTIONS AS PER AASHTO M 232M / M232

HARDWARE SPECIFICATION

THREADED RODS (3/4"Ø) :	CONFORMS TO ASTM A307
NUTS (3/4"Ø) :	CONFORMS TO ASTM A563
SHEAR PLATES (4"Ø) :	CONFORMS TO ASTM A47 GRADE 32510
WASHERS (2"Ø) :	CONFORMS TO ASTM F844
COATING:	HOT DIPPED GALVANIZED CONNECTIONS AS PER AASHTO M 232M / M232

FOR RE-APPROVAL - 14/04/2010
FOR RE-APPROVAL - 19/03/2010
FOR RE-APPROVAL - 19/02/2010
FOR APPROVAL - 02/02/2010

*(TYP)
Rec'd from Mark B.
via Alan Davis
m7/4/10
DK*