



A Publicly Traded Company, OTC-MTWD

Engineering Certification Samples

Engineering Certification Metwood I-Joist Web Reinforcer for Plywood I-Joist Products

Date: April 30, 2008

Invoice #: 34292

Customer: NC / Terrasimco
803 Sanderson Drive
Durham, NC 27704

Building Permit #: 0710338

Contractor: Terrasimco

Job Name: Willardville Station

Job Location: 7801 Willardville Station
Durham, NC

Overall Joist Span: 12'

Web Cut From Bearing: 3'

Reinforcer: 75FR11

This is to certify that the Metwood I-Joist Reinforcer, when applied according to the installation instructions published by Metwood, Inc., will assure the following load carrying capacities for plywood I-joist products:

Joist Spacing (inches)	Live Load (psf)	Dead Load (psf)
16	60	15
19.2	50	15
24	40	15

Maximum Joist Flange Width: 2.00

Sincerely,

James C. Pugh, P.E.

Engineering Certification Metwood I-Joist Flange Reinforcer for Plywood I-Joist Products

Date: June 11, 2008 Invoice #: 34703

Customer: City Lumber Company
114 Airways Blvd.
Jackson, TN 38302 Building Permit #:

Contractor: Larry Karl Job Name: Nicola

Job Location: Jackson, TN Overall Joist Span: 10'

Top Flange Cut From Bearing: 24" Reinforcer: 100FR11

This is to certify that the Metwood I-Joist Reinforcer, when applied according to the installation instructions published by Metwood, Inc., will assure the following load carrying capacities for plywood I-joist products:

Joist Spacing (inches)	Live Load (psf)	Dead Load (psf)
16	60	15
19.2	50	15
24	40	15

Maximum Joist Flange Width: 2.50

Sincerely,

Jason Conn, P.E.

Item Number: A
Overall Length: 14' 0"
Span: 13' 6"
Unbraced Len: 24 Inches
Quantity: 1
Product: 934-77-24TB

Customer: Timber Truss-Salem
Job Number: 33408 Sales Rep: MTC
Job Site: BARR
Location: SALEM, VA
Order Date: 2/13/2008
Finish Date: 2/13/2008
Deliver Date: 2/13/2008

Description: 2ND FLOOR GIRDER (DROPPED) Conventional
Wood: 2x4 Top_Bottom

Disclaimer

This certification indicated on this sheet is limited to the adequacy of the Metwood beam to support the indicated loads within the parameters listed in the 2003 International Building Code. This certification is null and void if additional loads or load patterns differing from those indicated on this sheet are applied to the beam.

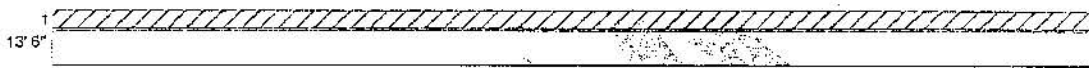
Engineering Specification

Begin Reaction: 4556 Lbs	End Reaction: 4556 Lbs
Maximum Moment: 15377 Lbs-Ft	Allowable Moment: 33480 Lbs-Ft
Stress Ratio: 0.46	Web w/t Ratio: 118
Live Load Deflection: 0.18	Live Load Deflection Ratio: L/882
Total Load Deflection: 0.28	Total Load Deflection Ratio: L/588

Load Information

Description	Live Load	Dead Load	From Left	Length
1. Uniform	450 Lbs	225 Lbs	0 Ft	13.5 Ft

Load Diagram Over Girder Span



Ply Information

Description	Size	Yield Stress	Rebar
1	9.25X1.625 14	50 KSI	7
2	9.25X1.625 14	50 KSI	7

Special Instructions



**CERTIFICATION FOR
BUILDING INSPECTOR
DO NOT SIGN!**

