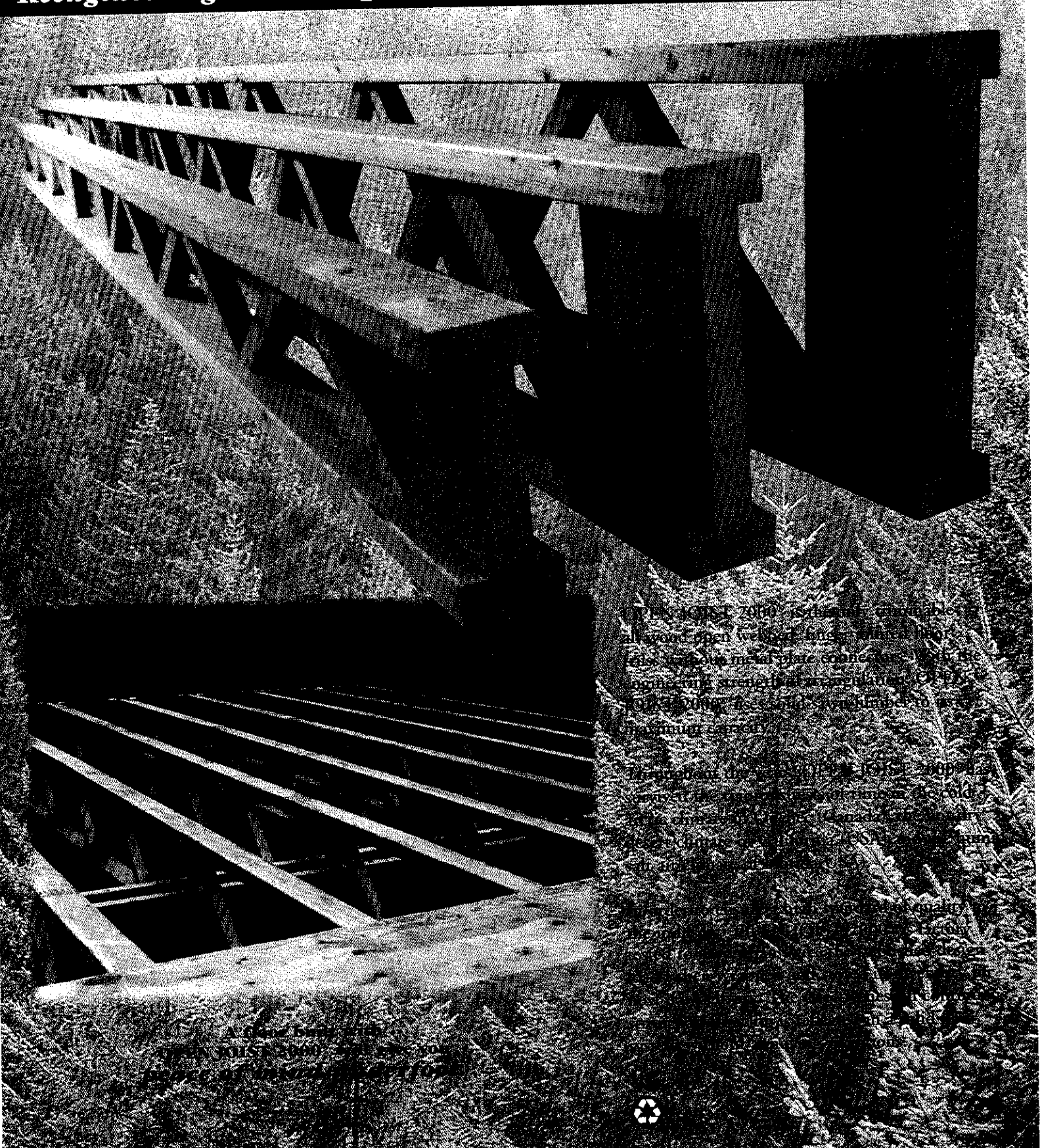




Reengineering Wood Components



The 2000 is a strong, durable, all-wood open webbed truss with 2000 sq. ft. of metal plate connections. The open web design allows for easy access to the interior of the truss.

For more information, call 1-800-200-4200 or visit our website at www.2000.com.

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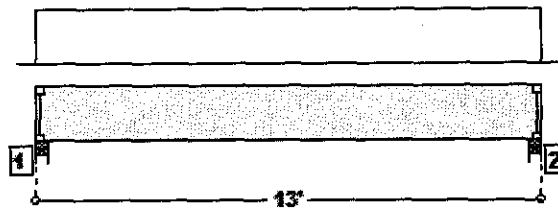
TJ-Beam® 6.30 Serial Number:

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5 1/4" x 9 1/2" 2.0E Parallam® PSL

THIS PRODUCT MEETS OR EXCEEDS THE SET DESIGN CONTROLS FOR THE APPLICATION AND LOADS LISTED



Product Diagram is Conceptual.

LOADS:

Analysis is for a Drop Beam Member. Tributary Load Width: 13'

Primary Load Group - Residential - Living Areas (psf): 40.0 Live at 100 % duration, 12.0 Dead

SUPPORTS:

	Input	Bearing	Vertical Reactions (lbs)	Detail	Other	
	Width	Length	Live/Dead/Uplift/Total			
1	Stud wall	3.50"	2.01"	3380 / 1115 / 0 / 4495	L1: Blocking	1 Ply 1 1/4" x 9 1/2" 1.3E TimberStrand® LSL
2	Stud wall	3.50"	2.01"	3380 / 1115 / 0 / 4495	L1: Blocking	1 Ply 1 1/4" x 9 1/2" 1.3E TimberStrand® LSL

-See iLevel® Specifier's/Builder's Guide for detail(s): L1: Blocking

DESIGN CONTROLS:

	Maximum	Design	Control	Result	Location
Shear (lbs)	4380	-3746	9643	Passed (39%)	Rt. end Span 1 under Floor loading
Moment (Ft-Lbs)	13870	13870	19585	Passed (71%)	MID Span 1 under Floor loading
Live Load Defl (in)		0.426	0.422	Passed (L/357)	MID Span 1 under Floor loading
Total Load Defl (in)		0.566	0.633	Passed (L/269)	MID Span 1 under Floor loading

-Deflection Criteria: STANDARD(LL:L/360,TL:L/240).

-Bracing(Lu): All compression edges (top and bottom) must be braced at 13' o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

ADDITIONAL NOTES:

-IMPORTANT! The analysis presented is output from software developed by iLevel®. iLevel® warrants the sizing of its products by this software will be accomplished in accordance with iLevel® product design criteria and code accepted design values. The specific product application, input design loads, and stated dimensions have been provided by the software user. This output has not been reviewed by an iLevel® Associate.

-Not all products are readily available. Check with your supplier or iLevel® technical representative for product availability.

-THIS ANALYSIS FOR iLevel® PRODUCTS ONLY! PRODUCT SUBSTITUTION VOIDS THIS ANALYSIS.

-Allowable Stress Design methodology was used for Building Code UBC analyzing the iLevel® Distribution product listed above.

PROJECT INFORMATION:

OPERATOR INFORMATION:

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5 1/4" x 9 1/2" 2.0E Parallam® PSL

THIS PRODUCT MEETS OR EXCEEDS THE SET DESIGN CONTROLS FOR THE APPLICATION AND LOADS LISTED

Load Group: Primary Load Group

	^ 12' 8.00" ^	
Max. Vertical Reaction Total (lbs)	4495	4495
Max. Vertical Reaction Live (lbs)	3380	3380
Required Bearing Length in	2.01(W)	2.01(W)
Max. Unbraced Length (in)	156	

Loading on all spans, LDF = 0.90 , 1.0 Dead

Shear at Support (lbs)	929	-929
Max Shear at Support (lbs)	1087	-1087
Member Reaction (lbs)	1087	1087
Support Reaction (lbs)	1115	1115
Moment (Ft-Lbs)	3441	

Loading on all spans, LDF = 1.00 , 1.0 Dead + 1.0 Floor

Shear at Support (lbs)	3746	-3746
Max Shear at Support (lbs)	4380	-4380
Member Reaction (lbs)	4380	4380
Support Reaction (lbs)	4495	4495
Moment (Ft-Lbs)	13870	
Live Deflection (in)	0.426	
Total Deflection (in)	0.566	

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