

Job Name: Truss Sample

Truss ID: FLOOR

Qty: 1

BRG X-LOC REACT SIZE REQ'D TC 4x2 SPF C1650F1.5E  
 1 0 1-12 1080 3.50 1.50 BC 4x2 SPF C1650F1.5E  
 2 17-10 4 1080 3.50 1.50 WEB 4x2 SPF #3-GAN

BRG REQUIREMENTS shown are based ONLY on the truss material at each bearing MAX DEFLECTION (span) : L/657 IN MEM 13-14 (LIVE) L<sub>v</sub> = -0.32" D<sub>v</sub> = -0.16" T<sub>v</sub> = -0.48"

Plating spec : ANSI/TPI - 1995  
 THIS DESIGN IS THE COMPOSITE RESULT OF MULTIPLE LOAD CASES.

If rigid sheathing is not directly attached to the bottom chord, adequate lateral bracing may be required (by others). For floor applications, 2x6 strongback bridging is required, at 10'-0" O.C. or less.  
 IRC/IBC truss plate values are based on testing and approval as required by IBC 1703 and ANSI/TPI and are reported in available documents such as ICBO #1607.

CRITICAL MEMBER FORCES:

TC	COMP. (DUR.) / TENS. (DUR.)	CSI
1-2	0(1.15) /	0.25
2-3	-2728(1.15) /	0.32
3-4	-2730(1.15) /	0.49
4-5	-3262(1.15) /	0.50
5-6	-3261(1.15) /	0.36
6-7	-2771(1.15) /	0.25
7-8	-2771(1.15) /	0.30
8-9	0(1.15) /	0.22

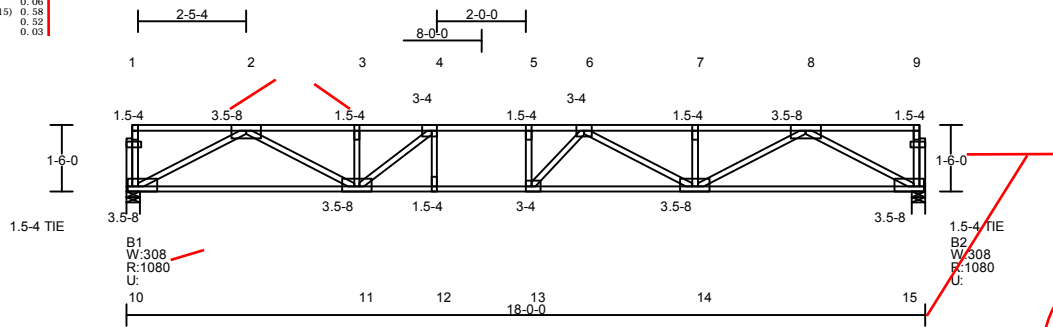
  

BC	COMP. (DUR.) / TENS. (DUR.)	CSI
10-11	/	1615(1.15) 0.44
11-12	/	3258(1.15) 0.74
12-13	/	3262(1.15) 0.74
13-14	/	3259(1.15) 0.72
14-15	/	1616(1.15) 0.45

WB	COMP. (DUR.) / TENS. (DUR.)	CSI
1-10	-121(1.15) /	0.03
2-10	-1854(1.15) /	0.52
2-11	-134(1.15) /	0.56
3-11	-134(1.15) /	0.03
4-11	-677(1.15) /	0.17
4-12	-16(1.15) /	100(1.15) 0.04
5-13	-243(1.15) /	22(0.90) 0.01
6-13	-12(0.90) /	0.01
6-14	-558(1.15) /	0.16
7-14	-243(1.15) /	0.06
8-14	-1318(1.15) /	0.58
8-15	-1855(1.15) /	0.52
9-15	-124(1.15) /	0.03

Panel Lengths :  
 Std = 2-5-4  
 3-4 1-7-8 5-6 1-2-4



Truswal Systems connector plates are 20 ga. unless shown by "18" (18 ga.), "H" (16 ga.), or "MX" (high strength 20 ga.), positioned per Joint Detail Reports available from Truswal software. Circled plates and false frame plates are positioned as shown above.



1101 N. Great S.W. Pkwy., Arlington TX 76011  
 TRUSPLUS 6.0 VER: T6.4.28

**WARNING** Read all notes on this sheet and give a copy of it to the Erecting Contractor.

This design is for an individual building component not truss system. It has been based on specifications provided by the component manufacturer and done in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer must ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building code and the particular application. The design assumes that the top chord is laterally braced by the roof or floor sheathing and the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise noted. Bracing shown is for lateral support of components members only to reduce buckling length. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install and brace this truss in accordance with the following standards: 'Joint and Cutting Detail Reports' available as output from Truswal software. 'ANSI/TPI 1', 'WTCA 1' - Wood Truss Council of America Standard Design Responsibilities, 'BUILDING COMPONENT SAFETY INFORMATION' - (BCSI 1-03) and 'BCSI SUMMARY SHEETS' by WTCA and TPI. The Truss Plate Institute (TPI) is located at 583 D'Onofrio Drive, Madison, Wisconsin 53719. The American Forest and Paper Association (AFPA) is located at 1111 19th Street, NW, Ste 800, Washington, DC 20036.

Cust: Truss Company			
WO: Drive_Y_sample_L00005_J00001			
Dsgnr:		#LC = 2	WT: 97#
TC Live	40.00 psf	DurFacs	L=1.00 P=1.00
TC Dead	10.00 psf	Rep Mbr Bnd	1.15
BC Live	0.00 psf	Rep Mbr Comp	1.00
BC Dead	10.00 psf	Rep Mbr Tens	1.00
TOTAL	60.00 psf	O.C. Spacing	2- 0- 0
		Design Spec	IBC
		DEFL RATIO:	L/360 TC: L/360