

Connection	Section	Length	Axial	Int.	Fastener	Pa	Req.
BC #1	250S162-68(50)	15.79	11.66T	0.54	#12 Drivall	0.000	0
TC #1	250S162-68(50)	15.79	11.66C	0.62	#12 Drivall	0.000	0
Web # 1	250S162-68(50)	0.62	0.13C	0.02	#12 Drivall	0.609	4
Web # 2	250S162-68(50)	1.60	4.85C	0.67	#12 Drivall	0.609	8
Web # 3	250S162-68(50)	1.60	3.93T	0.82	#12 Drivall	0.609	7
Web # 4	250S162-68(50)	0.62	0.38C	0.05	#12 Drivall	0.609	4
Web # 5	250S162-68(50)	1.60	2.34C	0.32	#12 Drivall	0.609	4
Web # 6	250S162-68(50)	1.60	1.55T	0.32	#12 Drivall	0.609	4
Web # 7	250S162-68(50)	0.62	0.43C	0.06	#12 Drivall	0.609	4
Web # 8	250S162-68(50)	0.62	0.43C	0.06	#12 Drivall	0.609	4
Web # 9	250S162-68(50)	1.60	1.55T	0.32	#12 Drivall	0.609	4
Web # 10	250S162-68(50)	1.60	2.34C	0.32	#12 Drivall	0.609	4
Web # 11	250S162-68(50)	0.62	0.38C	0.05	#12 Drivall	0.609	4
Web # 12	250S162-68(50)	1.60	3.93T	0.82	#12 Drivall	0.609	7
Web # 13	250S162-68(50)	1.60	4.85C	0.67	#12 Drivall	0.609	8
Web # 14	250S162-68(50)	0.62	0.13C	0.02	#12 Drivall	0.609	4
BC Lateral Brace	250S162-68(50)	4.00	0.65C	0.13	#12 Drivall	0.609	2
BC Diagonal Brace	250S162-68(50)	8.94	1.46C	0.87	#12 Drivall	0.609	3

Connection	Simpson	each	Load	Uplift/Shear	Fastener	Pa	Req.
Truss Chord	S/H1	1	0.01		#12 Drivall	0.435	3
Steel Stud				0.01	#12 Drivall	0.435	3
Truss Chord	S/H1	1	0.01		#12 Drivall	0.435	3
Steel Stud				0.01	#12 Drivall	0.435	3

GENERAL NOTES

- Trusses require lateral bracing. See Truss Layout and Detail sheets.
- Top Chord continuously sheathed.
- Number of fasteners noted in chart installed on each end of Web
- Allowable fastener values based on LGSEA Research Note No. 1-00 and Grabber Chart.
- (ws) denotes web stiffener required at support.
- Member design based on sections in SSMA-RCD Library.

Maximum Deflections

Vertical	0.577 in (L / 333)
Horizontal	0.064 in
Vertical	0.203 in (L / 947) [Dead Load Only]
Vertical	0.373 in (L / 515) [Live Load Only]

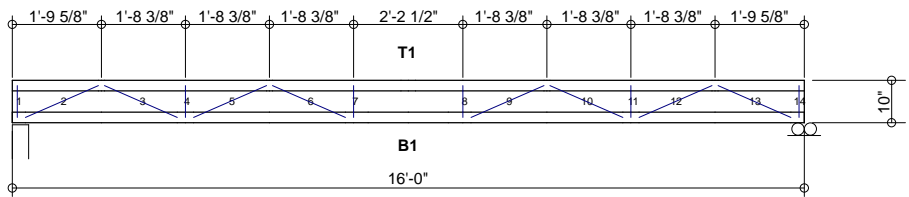
Support Reactions

Support Reactions	Down	Uplift*	Horizontal	Bearing
Left	1.95 {1.95}	-0.01	0.00	4.00
Right	1.95 {1.95}	-0.01	0.00	4.00

* Uplift Load Combination (Truss to Support Connection Only): 0.6Dead + 1.0Wind
{ } Denotes 'Dead+Live Only'

DESIGN DATA

Number of Trusses = 10 each
 Plate Style : Out-Of-Plane
 Eave Height : 10.667 ft (top of wall)
 Bearing : 4 in
 Spacing : 4.00 ft
 Dead Load : 10.00 psf (top chord)
 Dead Load : 10.00 psf (bottom chord)
 Live Load : 40.00 psf (top chord)
 Live Load : 0.00 psf (bottom chord)
 Snow Load : 12.00 psf (ground)
 Snow Load : 12.00 psf (design) [Is =1.00, Ce = 1.00]
 Wind Load : 22.35 psf (design) [Iw = 1.00]
 Wind Speed : 110 mph (Exposure C)
 Open Category: E
 Topography (Kz):1
 Building Category: (2) General
 Seismic Coefficient: 0.044



Per AISI S100-2007		Actual			Allowable			Ratio
Member	Section	Po	Vo	Mo	Pa	Va	Ma	
Bottom Chord	1-250S162-68(50)	11.66T	0.00	2.27	29.56	5.80	15.73	0.54
Top Chord	1-250S162-68(50)	11.66C	0.00	2.69	26.16	5.80	15.73	0.62
Web	1-250S162-68(50)	3.93T	0.00	2.33	14.17	2.90	4.28	0.82

International Building Code 2009: PASSED
 Design Method - (ASD)
 Component Wind Pressure Design (Interior)

= denotes Added Track



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Floor Truss
 Lafayette, CO

Truss D&E, V23.05
 Date: 10-18-2013
 Time: 08:59
 Designer: BJR
 File: FT10-48-16
 Job Number: Floor-Truss

FT10-48-16