

Connection	Section	Length	Axial	Int.	Fastener	Pa	Req.
BC #1	362S162-97(50)	31.79	12.81T	0.74	#12 Drivall	0.000	0
TC #1	362S162-97(50)	31.79	12.81C	0.80	#12 Drivall	0.000	0
Web # 1	250S162-68(50)	1.20	0.02T	0.01	#12 Drivall	0.609	4
Web # 2	250S162-68(50)	2.08	3.85C	0.56	#12 Drivall	0.609	7
Web # 3	250S162-68(50)	2.08	3.47T	0.72	#12 Drivall	0.609	6
Web # 4	250S162-68(50)	1.20	0.27C	0.04	#12 Drivall	0.609	4
Web # 5	250S162-68(50)	2.08	2.69C	0.39	#12 Drivall	0.609	5
Web # 6	250S162-68(50)	2.08	2.34T	0.49	#12 Drivall	0.609	4
Web # 7	250S162-68(50)	1.20	0.28C	0.04	#12 Drivall	0.609	4
Web # 8	250S162-68(50)	2.08	1.57C	0.23	#12 Drivall	0.609	4
Web # 9	250S162-68(50)	2.08	1.22T	0.25	#12 Drivall	0.609	4
Web # 10	250S162-68(50)	1.20	0.26C	0.03	#12 Drivall	0.609	4
Web # 11	250S162-68(50)	2.00	0.55C	0.08	#12 Drivall	0.609	4
Web # 12	250S162-68(50)	1.20	0.10T	0.02	#12 Drivall	0.609	4
Web # 13	250S162-68(50)	1.20	0.10T	0.02	#12 Drivall	0.609	4
Web # 14	250S162-68(50)	2.00	0.55C	0.08	#12 Drivall	0.609	4
Web # 15	250S162-68(50)	1.20	0.26C	0.03	#12 Drivall	0.609	4
Web # 16	250S162-68(50)	2.08	1.22T	0.25	#12 Drivall	0.609	4
Web # 17	250S162-68(50)	2.08	1.57C	0.23	#12 Drivall	0.609	4
Web # 18	250S162-68(50)	1.20	0.28C	0.04	#12 Drivall	0.609	4
Web # 19	250S162-68(50)	2.08	2.34T	0.49	#12 Drivall	0.609	4
Web # 20	250S162-68(50)	2.08	2.69C	0.39	#12 Drivall	0.609	5
Web # 21	250S162-68(50)	1.20	0.27C	0.04	#12 Drivall	0.609	4
Web # 22	250S162-68(50)	2.08	3.47T	0.72	#12 Drivall	0.609	6
Web # 23	250S162-68(50)	2.08	3.85C	0.56	#12 Drivall	0.609	7
Web # 24	250S162-68(50)	1.20	0.02T	0.01	#12 Drivall	0.609	4
BC Lateral Brace	250S162-33(33)	2.00	0.07C	0.02	#12 Drivall	0.268	1
BC Diagonal Brace	250S162-33(33)	4.47	0.16C	0.12	#12 Drivall	0.268	1

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	1.374 in (L / 279)
Horizontal	0.155 in
Vertical	0.507 in (L / 756) [Dead Load Only]
Vertical	0.866 in (L / 443) [Live Load Only]

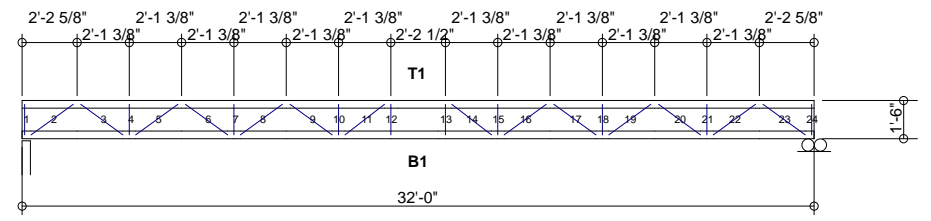
Support Reactions Down Uplift* Horizontal Bearing

Left	2.02 {2.02}	-0.01	0.00	4.00
Right	2.02 {2.02}	-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 : 2.00 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	1-362S162-97(50)	12.81T	0.02	4.47	21.83	6.03	28.37	0.74
Top Chord	1-362S162-97(50)	12.81C	0.02	4.36	19.93	6.03	28.37	0.80
Web	1-250S162-68(50)	3.47T	0.00	2.06	14.17	2.90	4.28	0.72

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

 <p>Rusk Component and Design 11357 Billings Ave Lafayette, CO 80026 (303) 828-5747</p>	<p>Floor Truss Lafayette, CO</p>	<p>Truss D&E, V23.05 Date: 10-22-2013 Time: 16:51 Designer: BJR File: FT18-24-32 Job Number: Floor-Truss</p>	<p>FT18-24-32</p>
	<p>Design Dwg 1/1</p>		