

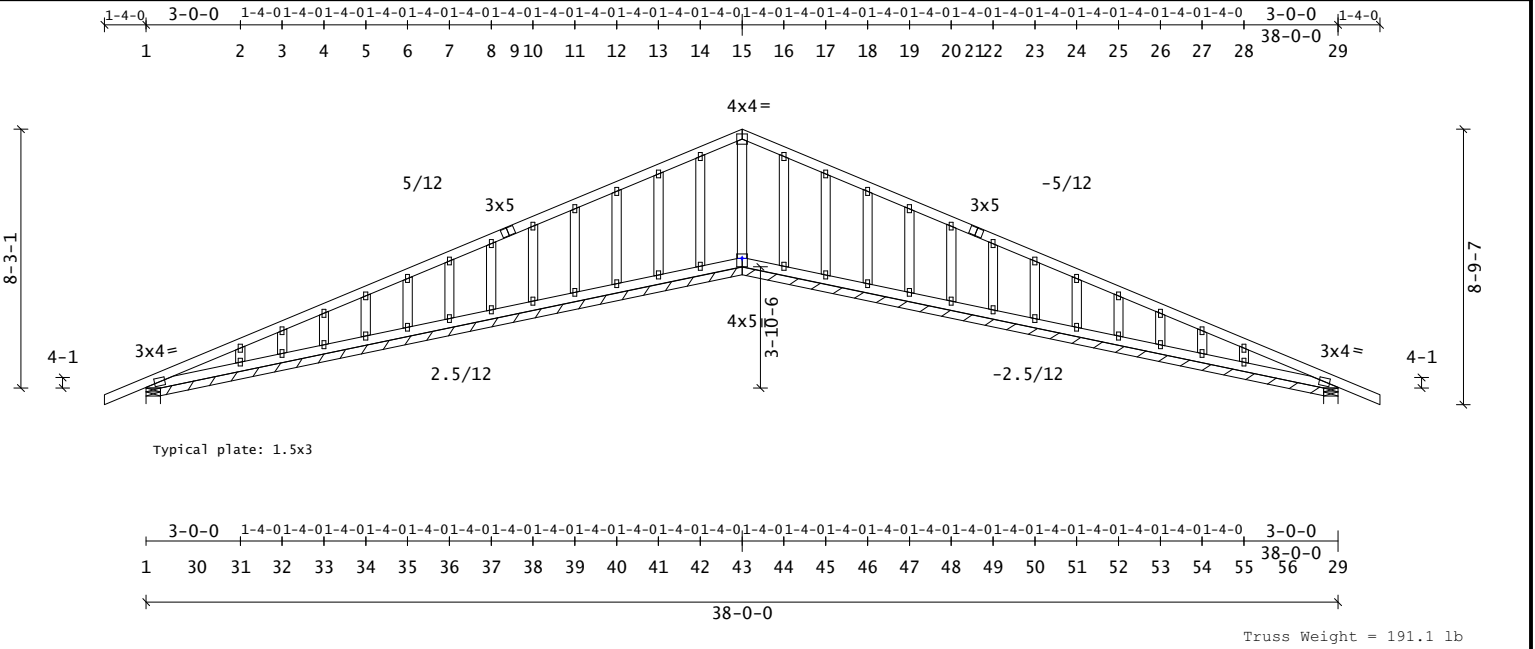
Customer: Rachel



Oregon Truss
info@oregontruss.com
503-581-8787

SID:
TID: 2505127CIA
Date: 05 / 12 / 25
Page: 1 of 1

Truss Mfr. Contact: Dillon Pickles



Code/Design: IBC-2021/TPI-2014
PSF Live Dead Dur Factors
TC 25.0 7.0 Live Wind Snow
BC 0.0 10.0 Lum 1.15 1.60 1.15
Total 42.0 Plt 1.15 1.60 1.15
Spacing: 2'-00-00 o.c. Plies: 1
Repetitive Member Increase: Yes
Green Lumber: No Wet Service: No
Fab Tolerance: 20% Creep (Kcr) = 2.0
OH Soffit Load: 2.0 psf

-----Snow Load Specs-----
ASCE7-16 Ground Snow (Pg) = 25.0 psf
Risk Cat: II Terrain Cat: B
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin): No
Unbalanced Snow Loads: Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-04-00

-----Wind Load Specs-----
ASCE7-16 Wind Speed (V) = 120 mph
Risk Cat: II Exposure Cat: B
Bldg Dims: L = 50.0 ft B = 38.0 ft
M.R.H(h) = 15.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 4.2 BC = 6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 3-09-10

-----Additional Design Checks-----
10 psf Non-Concurrent BCLL: Yes
20 psf BC Limited Storage: Yes
200 lb BC Accessible Ceiling: No
300 lb TC Maintenance Load: No
2000 lb TC Safe Load: No
Unbalanced TCCLL: Yes

Material Summary

TC	2x4	DFL	1800/1.8
BC	2x4	DFL	1800/1.8
Webs	2x4	DFL	Standard

Member Forces Summary

Max CSI in TC PANEL	1 - 1	0.10
Max CSI in BC PANEL	1 - 30	0.02
Max CSI in Web	42 - 14	0.03

...Mem...	Ten	Comp	.CSI.
TC	1- 9	35	0
	9-15	223	114
	15-21	223	114
	21-29	35	0
BC	1-43	120	55
	29-43	120	55
Web	2-31	82	141
	3-32	37	88
	4-33	45	91
	5-34	44	89
	6-35	44	89
	7-36	44	89
	8-37	44	89
	10-38	44	89
	11-39	44	103
	12-40	52	117
	13-41	75	116
	14-42	56	122
	15-43	31	78
	16-44	56	122
	17-45	75	116
	18-46	52	117
	19-47	44	103
	20-48	44	89
	22-49	44	89
	23-50	44	89
	24-51	44	89
	25-52	44	89
	26-53	45	91
	27-54	37	88
	28-55	82	141

Reaction Summary

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
1	02-12	245	11	05-08	01-08	DFL	781
29	37-09-04	245	11	05-08	01-08	DFL	781
Max Horiz = -110 / +110 at Joint 43							
Reactions not shown: down < 400 and up < 150							
Jnt-Jnt	React	-Up-	--Width-				
1- 43	84	0	18-06-08				
43- 29	78	2	18-06-08				

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 19-00-00 are based on 1.00 full and 0.00 reduced load factors.
See Loadcase Report for load combinations and additional details.
Dead loads have been slope adjusted for any pitch 5.00/12 or greater

Notes

If this truss is exposed to wind load perpendicular to the plane of the truss, gable studs must be braced according to the Construction Documents, ECSI-B3, or a gable stud bracing detail matching the design wind speed shown. Lateral bracing of the truss itself to resist out-of-plane wind load must be in accordance with the Construction Documents.
The maximum rake overhang length is 12.0".
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Lumber and plating have been applied symmetrically.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.00)	1-30
Vert DL	L/120	L/999(-0.00)	1-30
Vert CR	L/180	L/999(-0.00)	1-30
Horz LL	0.75in	(0.00)	@Jt29
Horz CR	1.25in	(0.00)	@Jt29
Ohng CR	2L/180	2L/999(-0.01)	1- 1
Ohng CR	2L/180	2L/999(-0.01)	29-29

Bracing Data Summary

-----Bracing Data-----				
Chords; Sheathing required or bracing indicated:				
-----Purlins-----				
---oc---	--From--	---To---	#Bays	
TC	5-06-00	-1-04-00	39-04-00	9
BC	9-08-00	0	38-00-00	5
Web Bracing -- None				

Plate offsets (X, Y):

(None unless indicated below)
Jnt43(0,-00-11)

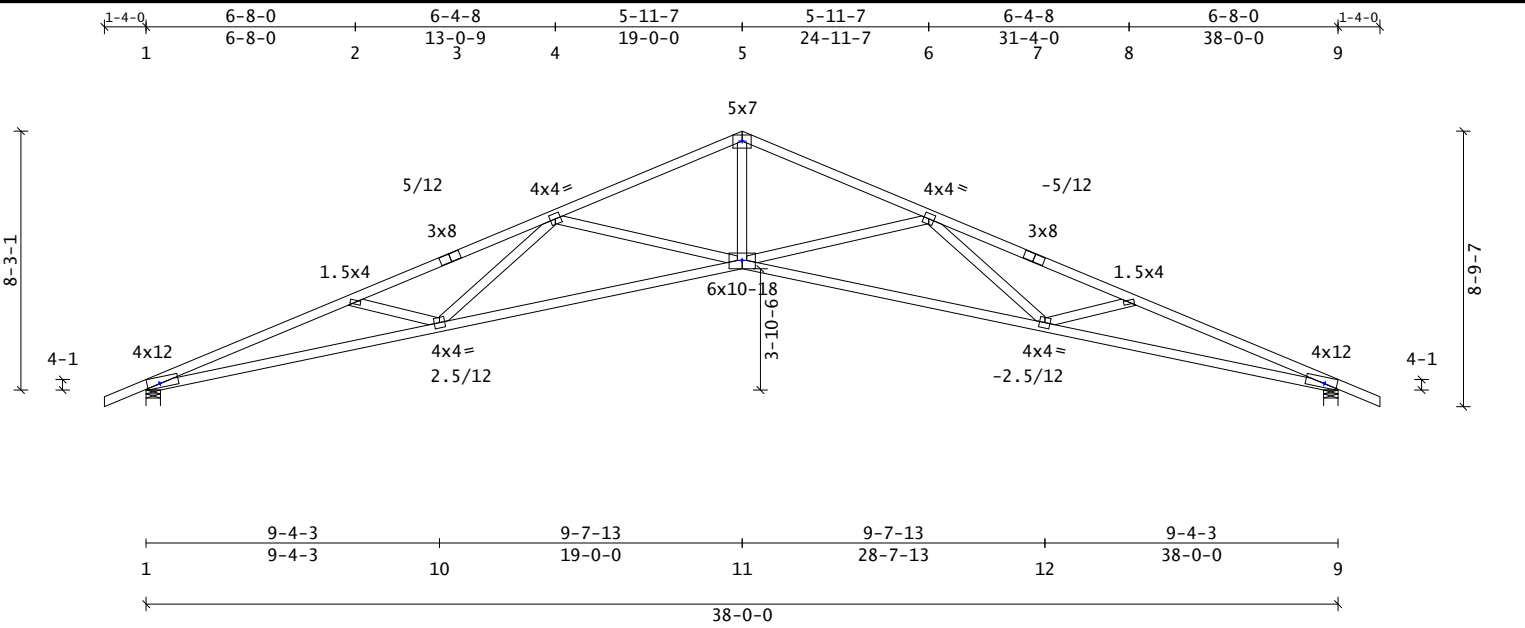
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Truss Mfr. Contact: Dillon Pickles



Truss Weight = 168.6 lb

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BC 0.0 10.0 Lum 1.15 1.60 1.15
Total 42.0 Plt 1.15 1.60 1.15
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Repetitive Member Increase: Yes
Green Lumber: No Wet Service: No
Fab Tolerance: 20% Creep (Kcr) = 2.0
OH Soffit Load: 2.0 psf

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Thermal Condition: All Others(1.0)
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Unbalanced Snow Loads: Yes
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Lu(max) = 20-04-00

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Bldg Dims: L = 50.0 ft B = 38.0 ft
M.R.H(h) = 15.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 4.2 BC = 6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 3-09-10

-----Additional Design Checks-----
10 psf Non-Concurrent BCLL: Yes
20 psf BC Limited Storage: Yes
200 lb BC Accessible Ceiling: No
300 lb TC Maintenance Load: No
2000 lb TC Safe Load: No
Unbalanced TCCLL: Yes

Material Summary

TC	2x4	DFL	2400/2.0	
	2x4	DFL	1800/1.8	3-5 5-7
BC	2x4	DFL	2400/2.0	
Webs	2x4	DFL	Standard	
	2x4	DFL	#2 11-5	

Member Forces Summary

Max CSI in TC PANEL	3 - 4	0.99
Max CSI in BC PANEL	1 - 10	0.75
Max CSI in Web	4 - 11	0.78

...	Mem...	Ten	Comp	CSI
TC	OH- 1	35	0	0.07
	1- 2	1233	6134	0.97
	2- 3	1035	5681	0.80
	3- 4	1047	5599	0.99
	4- 5	801	4082	0.64
	5- 6	790	4082	0.64
	6- 7	1053	5599	0.99
	7- 8	1041	5681	0.80
	8- 9	1227	6134	0.97
	9-OH	35	0	0.07
BC	1-10	5695	1059	0.75
	9-12	5695	1075	0.75
	10-11	4893	835	0.61
	11-12	4893	855	0.61
Web	2-10	267	433	0.08
	4-10	677	0	0.27
	4-11	389	1139	0.78
	5-11	2730	414	0.52
	6-11	389	1139	0.78
	6-12	677	0	0.27
	8-12	267	433	0.08

Reaction Summary

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
1	02-12	1710	0	05-08 01-11	DFL	781	
9	37-09-04	1710	0	05-08 01-11	DFL	781	
Max Horiz = -109 / +109 at Joint 1							

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 19-00-00 are based on 1.00 full and 0.00 reduced load factors.
See Loadcase Report for load combinations and additional details.
Dead loads have been slope adjusted for any pitch 5.00/12 or greater

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Lumber and plating have been applied symmetrically.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/553(-0.81)	11-12
Vert DL	L/120	L/656(-0.69)	11-12
Vert CR	L/180	L/300(-1.50)	11-12
Horz LL	0.75in	(0.48) @Jt 9	
Horz CR	1.25in	(0.80) @Jt 9	
Ohng CR	2L/180	2L/999(-0.01)	1- 1
Ohng CR	2L/180	2L/999(-0.01)	9- 9

Bracing Data Summary

-----Bracing Data-----
Chords; Sheathing required or bracing indicated:

---	oc---	--From--	---To---	#Bays
TC	2-04-00	-1-04-00	39-04-00	19
BC	9-08-00	0	38-00-00	5
Web Bracing -- None				

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(01-02,00-12), Jnt5(0,-00-03),
Jnt9(-01-02,00-12), Jnt11(0,-00-03)