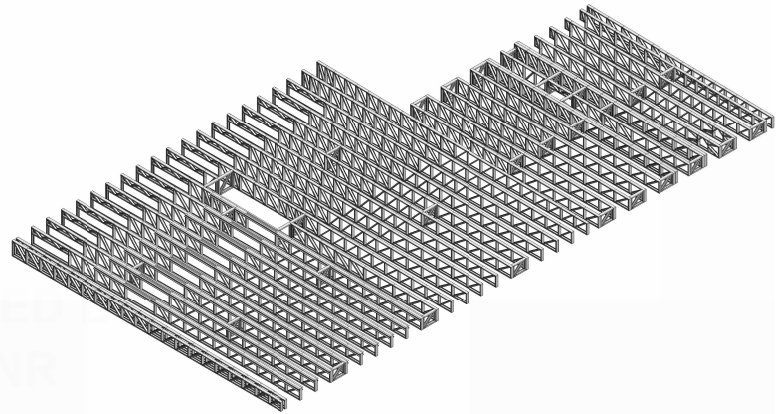
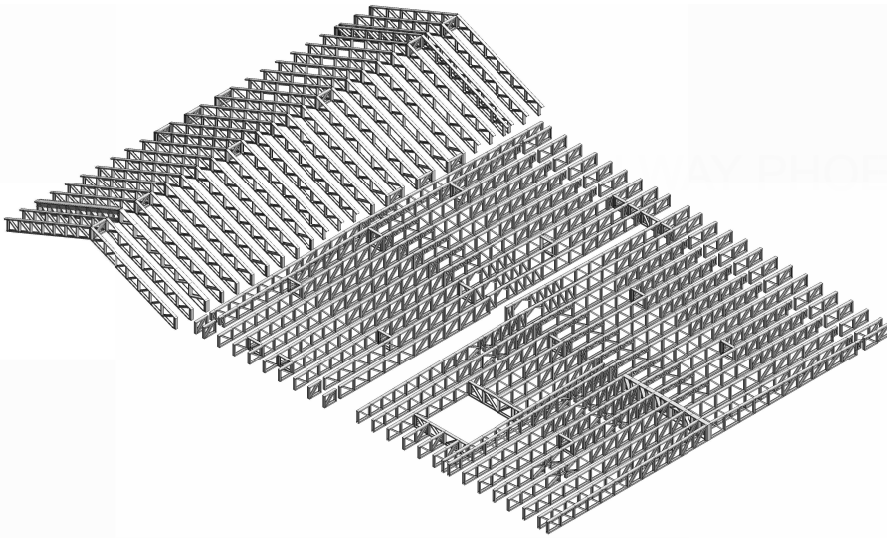
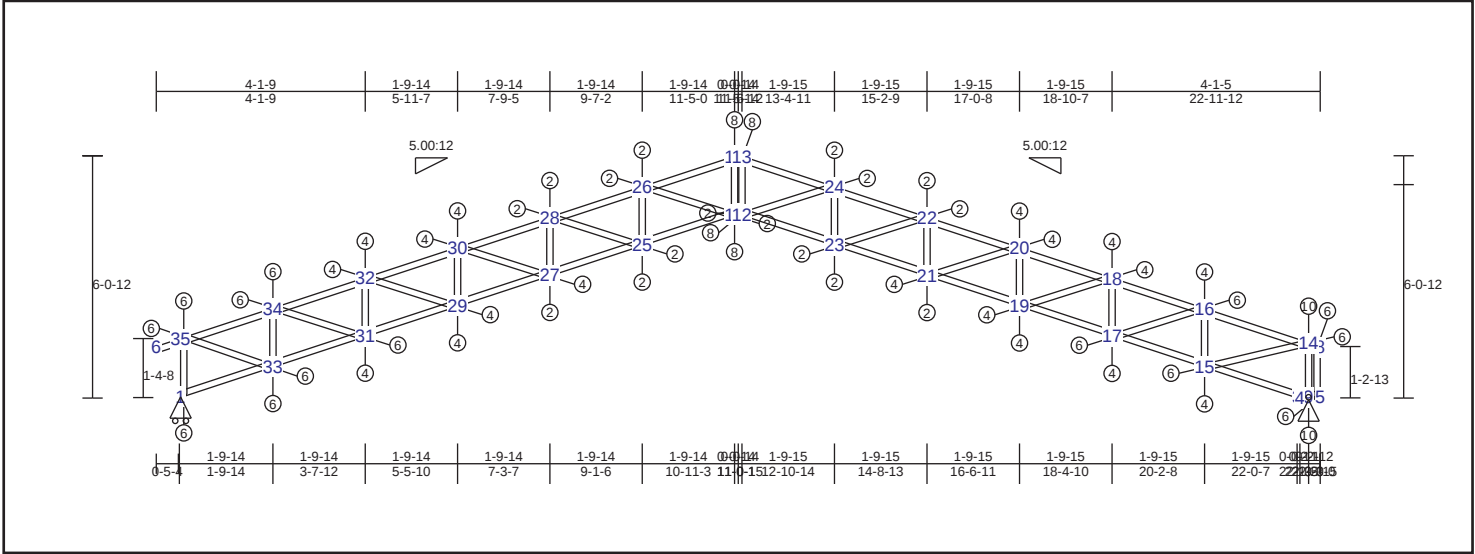

TRUSS PACKAGE



14 AUG 2024

TRUSS Tr-1 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L /	(Loc)	Max. Allowed
TC: 0.99 (26 - 11)	TL(V): 0.18 in.	L / 790	(1-33)	L / 240
BC: 0.86 (10 - 2)	LL(V): 0.09 in.	L / 999	(1-33)	L / 360
Web: 0.32 (9 - 14)	DL(V): 0.09 in.	L / 999	(1-33)	L / 0
	Cant / OH TL: 0.08 in.	2L / 0	(11-7)	2L / 240
	Cant / OH LL: 0.08 in.	2L / 0	(11-7)	2L / 240
	Horiz TL: -0.26 in.		1	
	Web:			
	Snow/Wind 0.04 in.	L / 999	(1-33)	L / 360
	Cant (Snow/Wind) 0.04 in.	L / 0	(11-7)	L / 360

Load Summary
1) This Truss has been designed in accordance with LRFD 2016.
2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
4) Snow Criteria: None
5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1530 lbs	0 lbs	-90 lbs	0 lbs
5	Pin		20 lbs	-3360 lbs	0 lbs	-3360 lbs	20 lbs
9	Pin		-40 lbs	4890 lbs	0 lbs	-190 lbs	-40 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Material Exceptions

Section	Material	Bracing
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Truss Dimensions

Max Height	Max Width
6-0-4	22-11-12

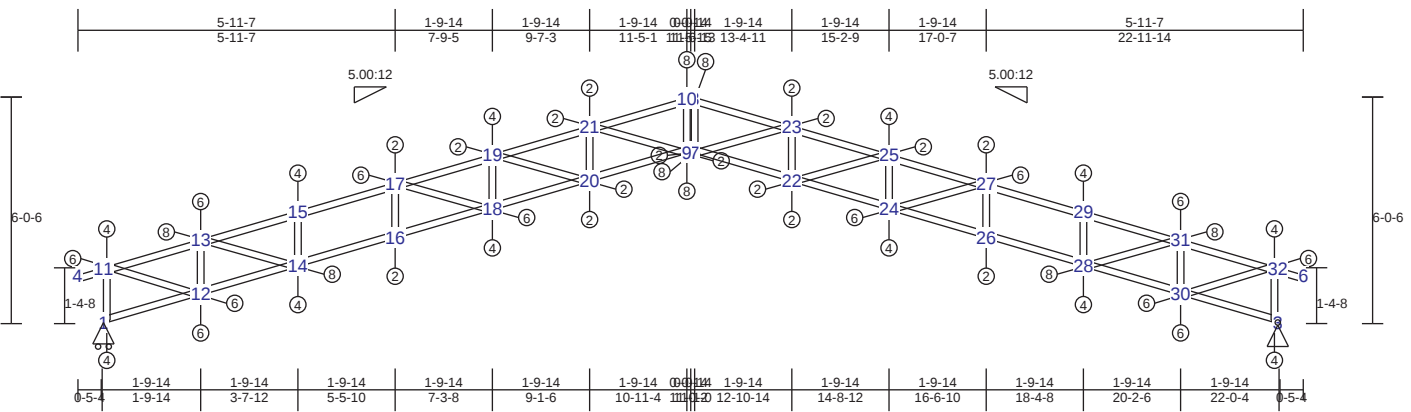
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
6-35	0.04	22 lbs	0 lbs	1-33	0.44	1362 lbs	-450 lbs	1-35	0.16	-1563 lbs	-1563 lbs	18-19	0.08	1243 lbs	-335 lbs
34-35	0.57	-2467 lbs	-2467 lbs	31-33	0.51	3137 lbs	-980 lbs	33-34	0.16	-1596 lbs	-1596 lbs	16-17	0.11	1761 lbs	-525 lbs
32-34	0.55	-4011 lbs	-4011 lbs	29-31	0.37	4486 lbs	-1348 lbs	31-32	0.12	-1198 lbs	-1198 lbs	14-15	0.11	1703 lbs	-551 lbs
30-32	0.65	-5187 lbs	-5187 lbs	27-29	0.41	5470 lbs	-1570 lbs	29-30	0.10	-948 lbs	-948 lbs				
28-30	0.70	-5962 lbs	-5962 lbs	25-27	0.19	6072 lbs	-1645 lbs	27-28	0.06	-608 lbs	-608 lbs				
26-28	0.81	-6461 lbs	-6461 lbs	10-25	0.84	6371 lbs	-1667 lbs	25-26	0.06	-542 lbs	-542 lbs				
11-26	0.99	-6547 lbs	-6547 lbs	2-10	0.86	6371 lbs	-1611 lbs	10-11	0.16	2498 lbs	-694 lbs				
7-11	0.83	-5513 lbs	-5513 lbs	2-12	0.86	6367 lbs	-1650 lbs	12-13	0.16	2484 lbs	-714 lbs				
7-13	0.83	-5519 lbs	-5519 lbs	12-23	0.85	6367 lbs	-1732 lbs	23-24	0.06	-550 lbs	-550 lbs				
13-24	0.99	-6546 lbs	-6546 lbs	21-23	0.19	6057 lbs	-1706 lbs	21-22	0.06	-620 lbs	-620 lbs				
22-24	0.81	-6452 lbs	-6452 lbs	19-21	0.41	5441 lbs	-1618 lbs	19-20	0.10	-946 lbs	-946 lbs				
20-22	0.70	-5941 lbs	-5941 lbs	17-19	0.37	4444 lbs	-1384 lbs	17-18	0.13	-1254 lbs	-1254 lbs				
18-20	0.64	-5147 lbs	-5147 lbs	15-17	0.55	3076 lbs	-1002 lbs	15-16	0.15	-1450 lbs	-1450 lbs				
16-18	0.60	-3975 lbs	-3975 lbs	3-15	0.51	1263 lbs	-451 lbs	9-14	0.32	-3141 lbs	-3141 lbs				
14-16	0.67	-2315 lbs	-2315 lbs	3-4	0.00	0 lbs	0 lbs	5-8	0.11	1758 lbs	-553 lbs				
8-14	0.81	683 lbs	-525 lbs	3-9	0.76	-36 lbs	-36 lbs	33-35	0.12	1952 lbs	-602 lbs				
				5-9	0.76	-36 lbs	-36 lbs	31-34	0.10	1632 lbs	-479 lbs				
								29-32	0.08	1249 lbs	-328 lbs				
								27-30	0.05	869 lbs	-222 lbs				
								25-28	0.03	518 lbs	-133 lbs				
								10-26	0.01	224 lbs	-68 lbs				
								12-24	0.01	228 lbs	-64 lbs				
								22-23	0.03	530 lbs	-127 lbs				
								20-21	0.06	887 lbs	-217 lbs				

TRUSS Tr-2 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.99 (17 - 19)	TL(V): 0.28 in.	L / 504	(14-16)	L / 240
BC :	0.98 (12 - 14)	LL(V): 0.14 in.	L / 990	(14-16)	L / 360
Web :	0.19 (30 - 31)	DL(V): 0.14 in.	L / 999	(14-16)	L / 0
		Cant / OH TL: 0.13 in.	2L / 0	(1-12)	2L / 240
		Cant / OH LL: 0.13 in.	2L / 0	(1-12)	2L / 240
		Horiz TL: -0.37 in.		1	
		Web :			
		Snow/Wind 0.06 in.	L / 999	(21-10)	L / 360
		Cant (Snow/Wind) 0.06 in.	L / 0	(1-12)	L / 360

- Load Summary**
- 1) This Truss has been designed in accordance with LRFD 2016.
 - 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
 - 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
 - 4) Snow Criteria: None
 - 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1530 lbs	0 lbs	-90 lbs	0 lbs
3	Pin		10 lbs	1530 lbs	0 lbs	-90 lbs	10 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
6'-0"-2	22'-11"-14

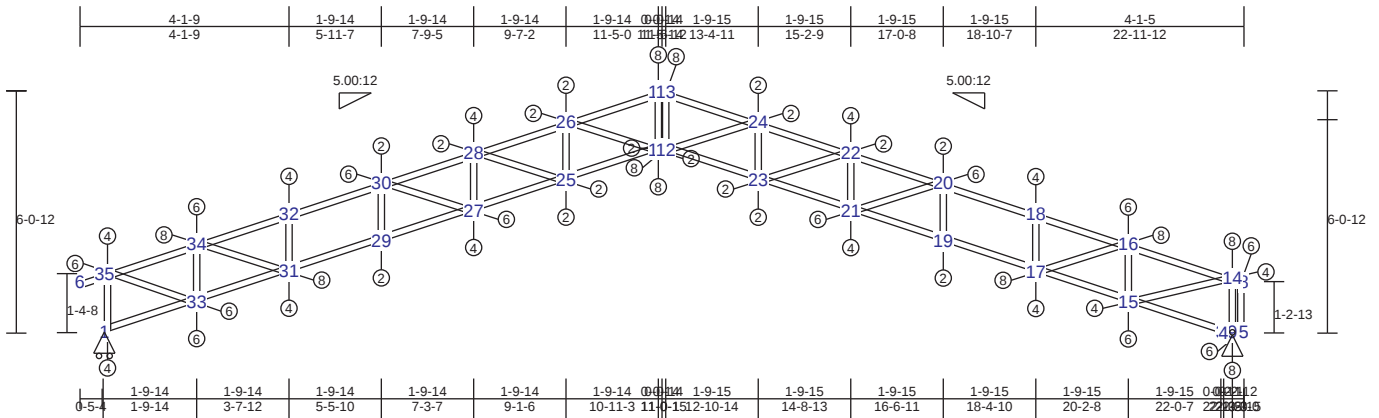
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
4-11	0.04	22 lbs	0 lbs	1-12	0.43	1259 lbs	-424 lbs	1-11	0.15	-1506 lbs	-1506 lbs
11-13	0.55	-2471 lbs	-2471 lbs	12-14	0.98	3677 lbs	-1123 lbs	12-13	0.19	-1872 lbs	-1872 lbs
13-15	0.98	-4472 lbs	-4472 lbs	14-16	0.97	4057 lbs	-1237 lbs	14-15	0.10	-987 lbs	-987 lbs
15-17	0.98	-4678 lbs	-4678 lbs	16-18	0.64	5499 lbs	-1580 lbs	16-17	0.08	-738 lbs	-738 lbs
17-19	0.99	-6099 lbs	-6099 lbs	18-20	0.39	6107 lbs	-1657 lbs	18-19	0.09	-883 lbs	-883 lbs
19-21	0.84	-6473 lbs	-6473 lbs	9-20	0.85	6400 lbs	-1672 lbs	20-21	0.05	-476 lbs	-476 lbs
10-21	0.97	-6578 lbs	-6578 lbs	2-9	0.86	6400 lbs	-1615 lbs	9-10	0.16	2493 lbs	-693 lbs
5-10	0.83	-5546 lbs	-5546 lbs	2-7	0.86	6400 lbs	-1655 lbs	7-8	0.16	2492 lbs	-714 lbs
5-8	0.83	-5547 lbs	-5547 lbs	7-22	0.85	6400 lbs	-1732 lbs	22-23	0.05	-477 lbs	-477 lbs
8-23	0.97	-6578 lbs	-6578 lbs	22-24	0.39	6106 lbs	-1714 lbs	24-25	0.09	-884 lbs	-884 lbs
23-25	0.84	-6472 lbs	-6472 lbs	24-26	0.64	5497 lbs	-1628 lbs	26-27	0.08	-739 lbs	-739 lbs
25-27	0.99	-6097 lbs	-6097 lbs	26-28	0.97	4056 lbs	-1273 lbs	28-29	0.10	-988 lbs	-988 lbs
27-29	0.98	-4677 lbs	-4677 lbs	28-30	0.98	3676 lbs	-1157 lbs	30-31	0.19	-1872 lbs	-1872 lbs
29-31	0.98	-4470 lbs	-4470 lbs	3-30	0.43	1258 lbs	-444 lbs	3-32	0.15	-1506 lbs	-1506 lbs
31-32	0.55	-2471 lbs	-2471 lbs					11-12	0.12	1836 lbs	-573 lbs
6-32	0.04	22 lbs	0 lbs					13-14	0.15	2386 lbs	-678 lbs
								17-18	0.10	1627 lbs	-413 lbs
								19-20	0.02	377 lbs	-97 lbs
								9-21	0.02	244 lbs	-60 lbs
								7-23	0.01	239 lbs	-59 lbs
								22-25	0.02	378 lbs	-89 lbs
								24-27	0.10	1627 lbs	-399 lbs
								28-31	0.15	2386 lbs	-692 lbs
								30-32	0.11	1835 lbs	-580 lbs

TRUSS Tr-3 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L /	(Loc)	Max. Allowed
TC : 0.99 (22 - 20)	TL(V): 0.28 in.	L / 504	(31-29)	L / 240
BC : 0.98 (17 - 15)	LL(V): 0.14 in.	L / 990	(31-29)	L / 360
Web : 0.31 (9 - 14)	DL(V): 0.14 in.	L / 999	(31-29)	L / 0
	Cant / OH TL: 0.12 in.	2L / 0	(11-7)	2L / 240
	Cant / OH LL: 0.12 in.	2L / 0	(11-7)	2L / 240
	Horiz TL: -0.37 in.		1	
	Web :			
	Snow/Wind 0.06 in.	L / 999	(26-11)	L / 360
	Cant (Snow/Wind) 0.06 in.	L / 0	(11-7)	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
 - 4)Snow Criteria: None
 - 5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	H/Roll		0 lbs	1520 lbs	0 lbs	-90 lbs	0 lbs
5	Pin		20 lbs	-3680 lbs	0 lbs	-3680 lbs	20 lbs
9	Pin		-40 lbs	5210 lbs	0 lbs	-190 lbs	-40 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
6'-0"	22'-11"

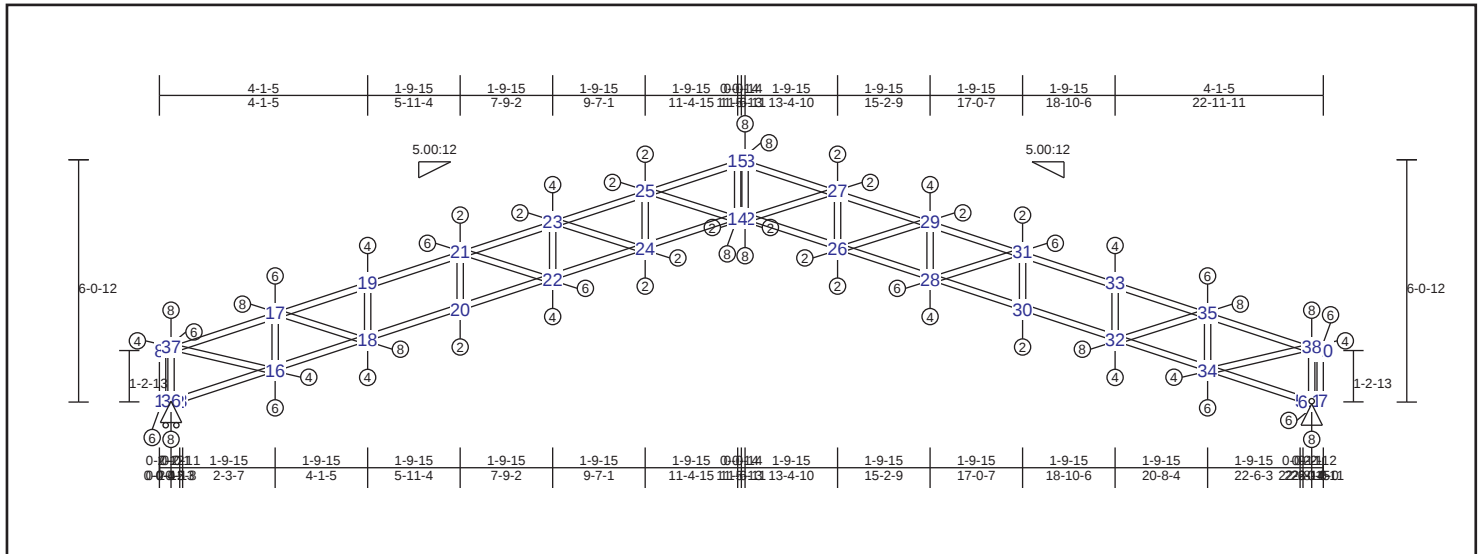
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
6-35	0.04	22 lbs	0 lbs	1-33	0.43	1253 lbs	-422 lbs	1-35	0.15	-1500 lbs	-1500 lbs	14-15	0.10	1545 lbs	-510 lbs
34-35	0.54	-2459 lbs	-2459 lbs	31-33	0.98	3656 lbs	-1116 lbs	33-34	0.19	-1862 lbs	-1862 lbs				
32-34	0.97	-4445 lbs	-4445 lbs	29-31	0.97	4033 lbs	-1229 lbs	31-32	0.10	-982 lbs	-982 lbs				
30-32	0.97	-4650 lbs	-4650 lbs	27-29	0.63	5462 lbs	-1568 lbs	29-30	0.07	-733 lbs	-733 lbs				
28-30	0.98	-6056 lbs	-6056 lbs	25-27	0.39	6061 lbs	-1642 lbs	27-28	0.09	-875 lbs	-875 lbs				
26-28	0.83	-6421 lbs	-6421 lbs	10-25	0.84	6345 lbs	-1657 lbs	25-26	0.05	-468 lbs	-468 lbs				
11-26	0.97	-6520 lbs	-6520 lbs	2-10	0.86	6345 lbs	-1605 lbs	10-11	0.16	2478 lbs	-688 lbs				
7-11	0.83	-5494 lbs	-5494 lbs	2-12	0.86	6339 lbs	-1643 lbs	12-13	0.15	2459 lbs	-707 lbs				
7-13	0.82	-5501 lbs	-5501 lbs	12-23	0.91	6339 lbs	-1720 lbs	23-24	0.05	-482 lbs	-482 lbs				
13-24	0.97	-6519 lbs	-6519 lbs	21-23	0.38	6037 lbs	-1701 lbs	21-22	0.09	-892 lbs	-892 lbs				
22-24	0.83	-6407 lbs	-6407 lbs	19-21	0.63	5417 lbs	-1612 lbs	19-20	0.07	-737 lbs	-737 lbs				
20-22	0.99	-6022 lbs	-6022 lbs	17-19	0.97	3966 lbs	-1256 lbs	17-18	0.11	-1043 lbs	-1043 lbs				
18-20	0.97	-4590 lbs	-4590 lbs	15-17	0.98	3565 lbs	-1135 lbs	15-16	0.18	-1727 lbs	-1727 lbs				
16-18	0.97	-4384 lbs	-4384 lbs	3-15	0.58	1112 lbs	-411 lbs	9-14	0.31	-3107 lbs	-3107 lbs				
14-16	0.68	-2270 lbs	-2270 lbs	3-4	0.00	0 lbs	0 lbs	5-8	0.11	1799 lbs	-561 lbs				
8-14	0.83	699 lbs	-496 lbs	3-9	0.89	-36 lbs	-36 lbs	33-35	0.11	1827 lbs	-570 lbs				
				5-9	0.89	-36 lbs	-36 lbs	31-34	0.15	2371 lbs	-673 lbs				
								27-30	0.10	1612 lbs	-410 lbs				
								25-28	0.02	369 lbs	-95 lbs				
								10-26	0.01	237 lbs	-62 lbs				
								12-24	0.02	246 lbs	-57 lbs				
								22-23	0.02	388 lbs	-92 lbs				
								20-21	0.10	1637 lbs	-402 lbs				
								16-17	0.16	2511 lbs	-726 lbs				

TRUSS Tr-4 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L /	(Loc)	Max. Allowed
TC :	0.99 (29 - 31)	TL(V): 0.28 in.	L / 510	(18-20)
BC :	0.98 (32 - 34)	LL(V): 0.14 in.	L / 999	(18-20)
Web :	0.31 (36 - 37)	DL(V): 0.14 in.	L / 999	(18-20)
		Cant / OH TL: 0.13 in.	2L / 0	(2-3)
		Cant / OH LL: 0.13 in.	2L / 0	(2-3)
		Horiz TL: -0.37 in.		2
		Web :		
		Snow/Wind 0.06 in.	L / 999	25
		Cant (Snow/Wind) 0.06 in.	L / 0	(2-3)
				L / 360
				L / 360

Load Summary

- This Truss has been designed in accordance with LRFD 2016.
- This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- Snow Criteria: None
- For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-3690 lbs	0 lbs	-3690 lbs	0 lbs
7	Pin		20 lbs	-3690 lbs	0 lbs	-3690 lbs	20 lbs
11	Pin		-40 lbs	5210 lbs	0 lbs	-190 lbs	-40 lbs
36	HRoll		0 lbs	5210 lbs	0 lbs	-170 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Material Exceptions

Section	Material	Bracing
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Truss Dimensions

Max Height	Max Width
6'-0"	22'-11"

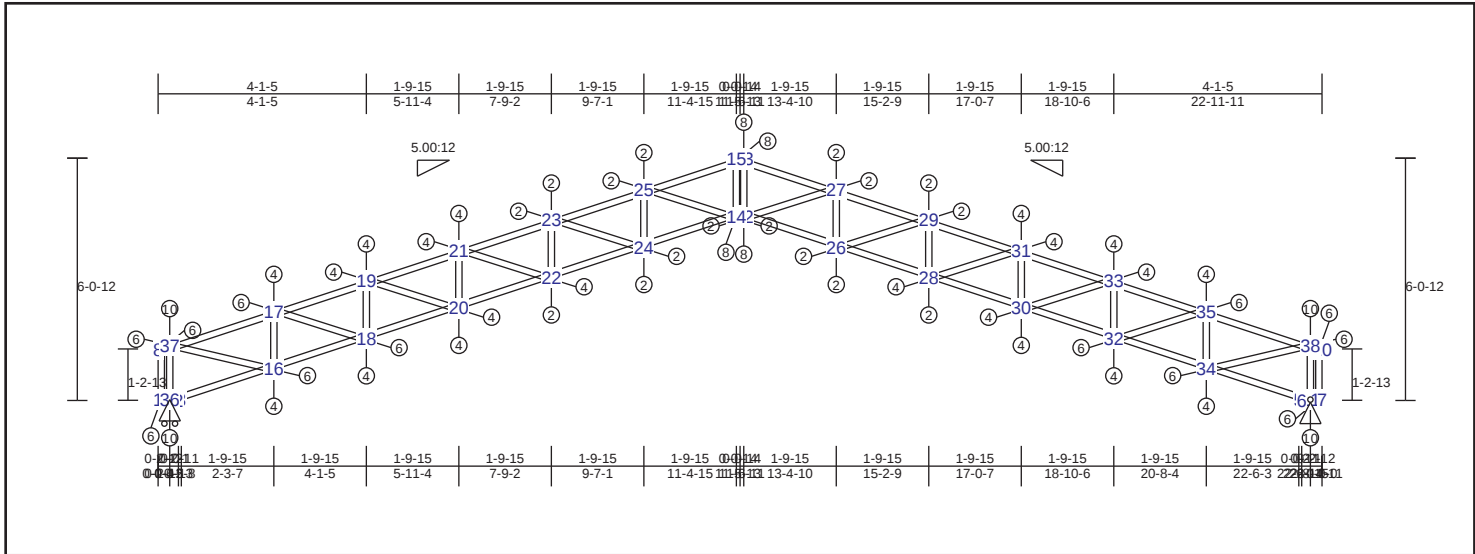
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
8-37	0.83	700 lbs	-493 lbs	2-3	0.00	0 lbs	0 lbs	36-37	0.31	-3104 lbs	-3104 lbs	21-22	0.10	1623 lbs	-419 lbs
17-37	0.68	-2259 lbs	-2259 lbs	3-16	0.58	1106 lbs	-393 lbs	1-8	0.11	1802 lbs	-553 lbs	17-18	0.16	2496 lbs	-708 lbs
17-19	0.98	-4359 lbs	-4359 lbs	16-18	0.98	3545 lbs	-1100 lbs	11-38	0.31	-3104 lbs	-3104 lbs	16-37	0.10	1537 lbs	-503 lbs
19-21	0.98	-4563 lbs	-4563 lbs	18-20	0.97	3945 lbs	-1219 lbs	7-10	0.11	1802 lbs	-565 lbs				
21-23	0.99	-5982 lbs	-5982 lbs	20-22	0.63	5382 lbs	-1561 lbs	34-35	0.17	-1718 lbs	-1718 lbs				
23-25	0.83	-6358 lbs	-6358 lbs	22-24	0.38	5994 lbs	-1639 lbs	32-33	0.11	-1038 lbs	-1038 lbs				
15-25	0.97	-6463 lbs	-6463 lbs	14-24	0.84	6286 lbs	-1654 lbs	30-31	0.07	-732 lbs	-732 lbs				
9-15	0.82	-5449 lbs	-5449 lbs	4-14	0.85	6286 lbs	-1606 lbs	28-29	0.09	-884 lbs	-884 lbs				
9-13	0.82	-5450 lbs	-5450 lbs	4-12	0.85	6286 lbs	-1647 lbs	26-27	0.05	-474 lbs	-474 lbs				
13-27	0.97	-6463 lbs	-6463 lbs	12-26	0.84	6286 lbs	-1723 lbs	12-13	0.15	2445 lbs	-709 lbs				
27-29	0.83	-6358 lbs	-6358 lbs	26-28	0.38	5993 lbs	-1704 lbs	14-15	0.15	2447 lbs	-685 lbs				
29-31	0.99	-5982 lbs	-5982 lbs	28-30	0.63	5382 lbs	-1616 lbs	24-25	0.05	-474 lbs	-474 lbs				
31-33	0.98	-4563 lbs	-4563 lbs	30-32	0.97	3944 lbs	-1259 lbs	22-23	0.09	-884 lbs	-884 lbs				
33-35	0.98	-4359 lbs	-4359 lbs	32-34	0.98	3545 lbs	-1138 lbs	20-21	0.07	-732 lbs	-732 lbs				
35-38	0.68	-2258 lbs	-2258 lbs	5-34	0.58	1106 lbs	-415 lbs	18-19	0.11	-1038 lbs	-1038 lbs				
10-38	0.83	700 lbs	-494 lbs	5-6	0.00	0 lbs	0 lbs	16-17	0.17	-1718 lbs	-1718 lbs				
				5-11	0.89	-41 lbs	-41 lbs	34-38	0.10	1537 lbs	-509 lbs				
				7-11	0.89	-41 lbs	-41 lbs	32-35	0.16	2497 lbs	-726 lbs				
				1-36	0.89	-24 lbs	-24 lbs	28-31	0.10	1623 lbs	-402 lbs				
				3-36	0.89	-24 lbs	-24 lbs	26-29	0.02	381 lbs	-92 lbs				
								12-27	0.01	238 lbs	-59 lbs				
								14-25	0.02	244 lbs	-59 lbs				
								23-24	0.02	380 lbs	-101 lbs				

TRUSS Tr-5 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary		Deflection		L / (Loc)		Max. Allowed	
TC :	0.99 (25 - 15)	TL(V):	0.18 in.	L / 799	(2-3)	L / 240	
BC :	0.85 (14 - 4)	LL(V):	0.09 in.	L / 999	(2-3)	L / 360	
Web :	0.32 (36 - 37)	DL(V):	0.09 in.	L / 999	(2-3)	L / 0	
		Cant / OH TL:	0.09 in.	2L / 0	(2-3)	2L / 240	
		Cant / OH LL:	0.09 in.	2L / 0	(2-3)	2L / 240	
		Horiz TL:	-0.26 in.		2		
		Web :					
		Snow/Wind	0.04 in.	L / 999	(2-3)	L / 360	
		Cant (Snow/Wind)	0.04 in.	L / 0	(2-3)	L / 360	

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-3380 lbs	0 lbs	-3380 lbs	0 lbs
7	Pin		20 lbs	-3380 lbs	0 lbs	-3380 lbs	20 lbs
11	Pin		-40 lbs	4900 lbs	0 lbs	-200 lbs	-40 lbs
36	HRoll		0 lbs	4900 lbs	0 lbs	-180 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
6'-0"-4"	22'-11"-11"

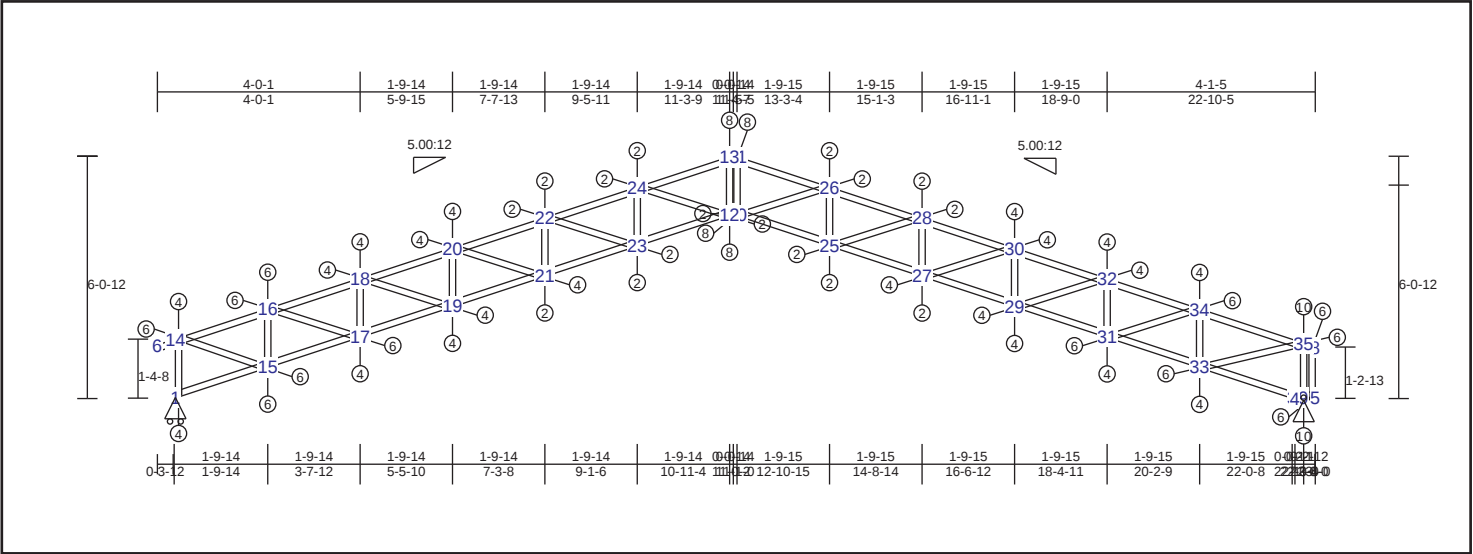
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
8-37	0.81	686 lbs	-523 lbs	2-3	0.00	0 lbs	0 lbs	36-37	0.32	-3143 lbs	-3143 lbs	23-24	0.03	525 lbs	-138 lbs
17-37	0.68	-2306 lbs	-2306 lbs	3-16	0.52	1258 lbs	-432 lbs	1-8	0.11	1765 lbs	-546 lbs	21-22	0.06	882 lbs	-228 lbs
17-19	0.59	-3961 lbs	-3961 lbs	16-18	0.55	3066 lbs	-974 lbs	11-38	0.32	-3143 lbs	-3143 lbs	19-20	0.08	1237 lbs	-325 lbs
19-21	0.63	-5128 lbs	-5128 lbs	18-20	0.37	4428 lbs	-1345 lbs	7-10	0.11	1765 lbs	-558 lbs	17-18	0.11	1756 lbs	-514 lbs
21-23	0.70	-5916 lbs	-5916 lbs	20-22	0.41	5419 lbs	-1570 lbs	34-35	0.15	-1446 lbs	-1446 lbs	16-37	0.11	1695 lbs	-544 lbs
23-25	0.80	-6422 lbs	-6422 lbs	22-24	0.19	6030 lbs	-1648 lbs	32-33	0.13	-1250 lbs	-1250 lbs				
15-25	0.99	-6512 lbs	-6512 lbs	14-24	0.84	6334 lbs	-1670 lbs	30-31	0.10	-942 lbs	-942 lbs				
9-15	0.82	-5486 lbs	-5486 lbs	4-14	0.85	6334 lbs	-1619 lbs	28-29	0.06	-617 lbs	-617 lbs				
9-13	0.82	-5487 lbs	-5487 lbs	4-12	0.85	6334 lbs	-1659 lbs	26-27	0.06	-545 lbs	-545 lbs				
13-27	0.99	-6512 lbs	-6512 lbs	12-26	0.84	6334 lbs	-1740 lbs	12-13	0.16	2476 lbs	-718 lbs				
27-29	0.80	-6421 lbs	-6421 lbs	26-28	0.19	6030 lbs	-1714 lbs	14-15	0.16	2478 lbs	-694 lbs				
29-31	0.70	-5915 lbs	-5915 lbs	28-30	0.41	5419 lbs	-1625 lbs	24-25	0.06	-545 lbs	-545 lbs				
31-33	0.63	-5127 lbs	-5127 lbs	30-32	0.37	4428 lbs	-1390 lbs	22-23	0.06	-617 lbs	-617 lbs				
33-35	0.59	-3961 lbs	-3961 lbs	32-34	0.55	3065 lbs	-1008 lbs	20-21	0.10	-942 lbs	-942 lbs				
35-38	0.68	-2306 lbs	-2306 lbs	5-34	0.52	1258 lbs	-455 lbs	18-19	0.13	-1250 lbs	-1250 lbs				
10-38	0.81	686 lbs	-523 lbs	5-6	0.00	0 lbs	0 lbs	16-17	0.15	-1446 lbs	-1446 lbs				
				5-11	0.76	-41 lbs	-41 lbs	34-38	0.11	1695 lbs	-551 lbs				
				7-11	0.76	-41 lbs	-41 lbs	32-35	0.11	1757 lbs	-526 lbs				
				1-36	0.76	-24 lbs	-24 lbs	30-33	0.08	1237 lbs	-335 lbs				
				3-36	0.76	-24 lbs	-24 lbs	28-31	0.06	882 lbs	-218 lbs				
								26-29	0.03	525 lbs	-128 lbs				
								12-27	0.01	222 lbs	-66 lbs				
								14-25	0.01	228 lbs	-66 lbs				

TRUSS Tr-6 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L / (Loc)	Max. Allowed
TC : 0.99 (24 - 13)	TL(V): 0.18 in.	L / 791 (1-15)	L / 240
BC : 0.86 (12 - 2)	LL(V): 0.09 in.	L / 999 (1-15)	L / 360
Web : 0.32 (9 - 35)	DL(V): 0.09 in.	L / 999 (1-15)	L / 0
	Cant / OH TL: 0.09 in.	2L / 0 (1-15)	2L / 240
	Cant / OH LL: 0.09 in.	2L / 0 (1-15)	2L / 240
	Horiz TL: -0.26 in.	1	
	Web :		
	Snow/Wind 0.04 in.	L / 999 (1-15)	L / 360
	Cant (Snow/Wind) 0.04 in.	L / 0 (1-15)	L / 360

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4)Snow Criteria: None
- 5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll			0 lbs	0 lbs	-90 lbs	0 lbs
5	Pin		20 lbs	-3360 lbs	0 lbs	-3360 lbs	20 lbs
9	Pin		-40 lbs	4890 lbs	0 lbs	-190 lbs	-40 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
6'-0"	22'-10"

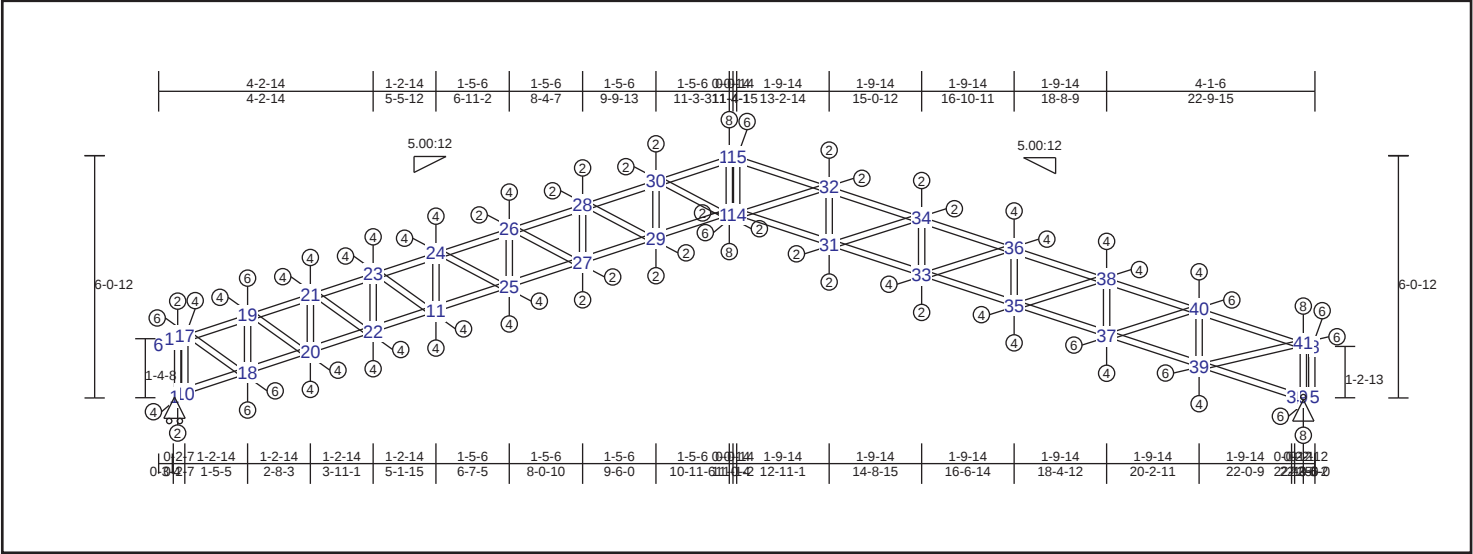
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
6-14	0.02	17 lbs	0 lbs	1-15	0.44	1369 lbs	-457 lbs	1-14	0.16	-1546 lbs	-1546 lbs	29-32	0.08	1244 lbs	-336 lbs
14-16	0.59	-2475 lbs	-2475 lbs	15-17	0.51	3147 lbs	-991 lbs	15-16	0.16	-1602 lbs	-1602 lbs	31-34	0.11	1763 lbs	-526 lbs
16-18	0.55	-4019 lbs	-4019 lbs	17-19	0.37	4497 lbs	-1361 lbs	17-18	0.12	-1196 lbs	-1196 lbs	33-35	0.11	1703 lbs	-552 lbs
18-20	0.65	-5196 lbs	-5196 lbs	19-21	0.41	5481 lbs	-1586 lbs	19-20	0.10	-949 lbs	-949 lbs				
20-22	0.70	-5972 lbs	-5972 lbs	21-23	0.19	6083 lbs	-1664 lbs	21-22	0.06	-608 lbs	-608 lbs				
22-24	0.81	-6472 lbs	-6472 lbs	12-23	0.85	6382 lbs	-1687 lbs	23-24	0.06	-542 lbs	-542 lbs				
13-24	0.99	-6557 lbs	-6557 lbs	2-12	0.86	6382 lbs	-1622 lbs	12-13	0.16	2503 lbs	-701 lbs				
7-13	0.83	-5522 lbs	-5522 lbs	2-10	0.86	6378 lbs	-1661 lbs	10-11	0.16	2488 lbs	-718 lbs				
7-11	0.83	-5527 lbs	-5527 lbs	10-25	0.85	6378 lbs	-1741 lbs	25-26	0.06	-552 lbs	-552 lbs				
11-26	0.99	-6556 lbs	-6556 lbs	25-27	0.19	6066 lbs	-1715 lbs	27-28	0.06	-622 lbs	-622 lbs				
26-28	0.81	-6461 lbs	-6461 lbs	27-29	0.41	5448 lbs	-1626 lbs	29-30	0.10	-948 lbs	-948 lbs				
28-30	0.70	-5947 lbs	-5947 lbs	29-31	0.37	4449 lbs	-1389 lbs	31-32	0.13	-1255 lbs	-1255 lbs				
30-32	0.64	-5152 lbs	-5152 lbs	31-33	0.56	3080 lbs	-1006 lbs	33-34	0.15	-1452 lbs	-1452 lbs				
32-34	0.60	-3978 lbs	-3978 lbs	3-33	0.51	1265 lbs	-453 lbs	9-35	0.32	-3144 lbs	-3144 lbs				
34-35	0.68	-2316 lbs	-2316 lbs	3-4	0.00	0 lbs	0 lbs	5-8	0.11	1761 lbs	-555 lbs				
8-35	0.81	684 lbs	-525 lbs	3-9	0.76	-39 lbs	-39 lbs	14-15	0.12	1961 lbs	-611 lbs				
				5-9	0.76	-39 lbs	-39 lbs	16-17	0.10	1632 lbs	-481 lbs				
								18-19	0.08	1250 lbs	-331 lbs				
								20-21	0.05	870 lbs	-223 lbs				
								22-23	0.03	518 lbs	-134 lbs				
								12-24	0.01	222 lbs	-66 lbs				
								10-26	0.01	228 lbs	-63 lbs				
								25-28	0.03	532 lbs	-130 lbs				
								27-30	0.06	889 lbs	-220 lbs				

TRUSS Tr-7 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC: 0.99 (30 - 13)	TL(V): 0.15 in.	L / 935	(1-10)	L / 240
BC: 0.89 (12 - 2)	LL(V): 0.08 in.	L / 999	(1-10)	L / 360
Web: 0.30 (9 - 41)	DL(V): 0.07 in.	L / 999	(1-10)	L / 0
	Cant / OH TL: 0.08 in.	2L / 999	(1-10)	2L / 240
	Cant / OH LL: 0.08 in.	2L / 999	(1-10)	2L / 240
	Horiz TL: -0.22 in.		1	
	Web:			
	Snow/Wind 0.03 in.	L / 999	(26-28)	L / 360
	Cant (Snow/Wind) 0.03 in.	L / 999	(26-28)	L / 360

- Load Summary**
- 1) This Truss has been designed in accordance with LRFD 2016.
 - 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
 - 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
 - 4) Snow Criteria: None
 - 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1510 lbs	0 lbs	-80 lbs	0 lbs
5	Pin		20 lbs	-2970 lbs	0 lbs	-2970 lbs	20 lbs
9	Pin		-40 lbs	4500 lbs	0 lbs	-180 lbs	-40 lbs

Materials

Type	Material	Bracing
Top Chd	550S162-43(50)	Sheathing
Bot Chd	550S162-43(50)	Sheathing
Web	550S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
6'-0"	22'-9"

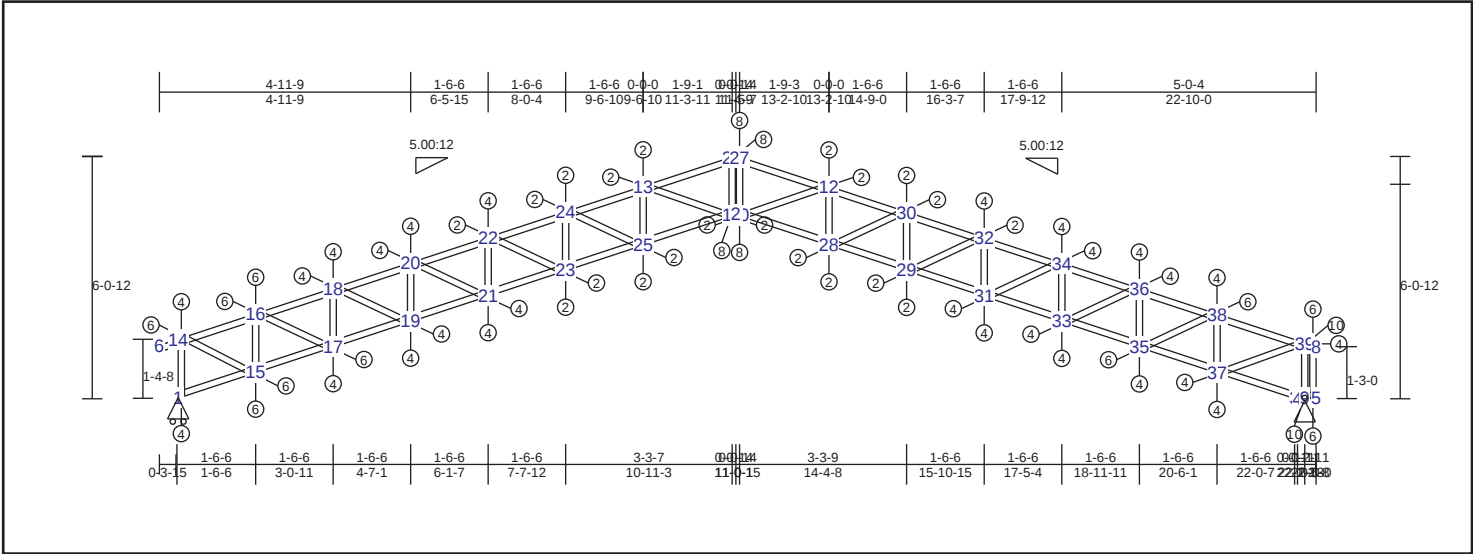
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
7-15	0.80	-5642 lbs	-5642 lbs	2-14	0.75	6411 lbs	-1673 lbs	1-16	0.02	-218 lbs	-218 lbs
15-32	0.98	-6588 lbs	-6588 lbs	14-31	0.74	6411 lbs	-1755 lbs	10-17	0.15	-1553 lbs	-1553 lbs
32-34	0.82	-6501 lbs	-6501 lbs	31-33	0.19	6113 lbs	-1730 lbs	18-19	0.18	-1820 lbs	-1820 lbs
34-36	0.68	-5995 lbs	-5995 lbs	33-35	0.37	5496 lbs	-1641 lbs	20-21	0.14	-1418 lbs	-1418 lbs
36-38	0.65	-5202 lbs	-5202 lbs	35-37	0.33	4502 lbs	-1406 lbs	22-23	0.12	-1255 lbs	-1255 lbs
38-40	0.60	-4029 lbs	-4029 lbs	37-39	0.53	3133 lbs	-1023 lbs	11-24	0.10	-1012 lbs	-1012 lbs
40-41	0.69	-2382 lbs	-2382 lbs	3-39	0.46	1330 lbs	-473 lbs	25-26	0.08	-782 lbs	-782 lbs
8-41	0.81	644 lbs	536 lbs	3-4	0.00	0 lbs	0 lbs	27-28	0.05	-479 lbs	-479 lbs
6-16	0.02	15 lbs	0 lbs	1-10	0.37	-496 lbs	-496 lbs	29-30	0.05	-529 lbs	-529 lbs
16-17	0.49	-660 lbs	-660 lbs	10-18	0.59	937 lbs	-496 lbs	12-13	0.15	2807 lbs	-791 lbs
17-19	0.74	-2144 lbs	-2144 lbs	18-20	0.53	2264 lbs	-732 lbs	14-15	0.12	2273 lbs	-665 lbs
19-21	0.49	-3264 lbs	-3264 lbs	20-22	0.42	3359 lbs	-1055 lbs	31-32	0.05	-534 lbs	-534 lbs
21-23	0.57	-4243 lbs	-4243 lbs	11-22	0.38	4301 lbs	-1315 lbs	33-34	0.06	-623 lbs	-623 lbs
23-24	0.61	-5039 lbs	-5039 lbs	11-25	0.35	5175 lbs	-1529 lbs	35-36	0.09	-946 lbs	-946 lbs
24-26	0.66	-5763 lbs	-5763 lbs	25-27	0.37	5906 lbs	-1649 lbs	37-38	0.12	-1251 lbs	-1251 lbs
26-28	0.69	-6216 lbs	-6216 lbs	27-29	0.19	6195 lbs	-1676 lbs	39-40	0.14	-1456 lbs	-1456 lbs
28-30	0.81	-6563 lbs	-6563 lbs	12-29	0.80	6443 lbs	-1690 lbs	9-41	0.30	-3069 lbs	-3069 lbs
13-30	0.99	-6602 lbs	-6602 lbs	2-12	0.89	6443 lbs	-1641 lbs	5-8	0.09	1656 lbs	-527 lbs
7-13	0.84	-5467 lbs	-5467 lbs	3-9	0.66	-39 lbs	-39 lbs	17-18	0.11	1966 lbs	-616 lbs
				5-9	0.66	-39 lbs	-39 lbs	19-20	0.08	1474 lbs	-446 lbs
								21-22	0.07	1291 lbs	-371 lbs
								11-23	0.06	1080 lbs	-288 lbs
								24-25	0.05	878 lbs	-225 lbs
								26-27	0.03	598 lbs	-154 lbs

TRUSS Tr-8 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L /	(Loc)	Max. Allowed
TC : 0.99 (13 - 26)	TL(V): 0.18 in.	L / 811	(1-15)	L / 240
BC : 0.90 (3 - 9)	LL(V): 0.09 in.	L / 999	(1-15)	L / 360
Web : 0.32 (9 - 39)	DL(V): 0.09 in.	L / 999	(1-15)	L / 0
	Cant / OH TL: 0.09 in.	2L / 0	(1-15)	2L / 240
	Cant / OH LL: 0.09 in.	2L / 0	(1-15)	2L / 240
	Horiz TL: -0.25 in.		1	
	Web :			
	Snow/Wind 0.04 in.	L / 999	(1-15)	L / 360
	Cant (Snow/Wind) 0.04 in.	L / 0	(1-15)	L / 360

- Load Summary**
- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1510 lbs	0 lbs	-90 lbs	0 lbs
5	Pin		20 lbs	-3730 lbs	0 lbs	-3730 lbs	20 lbs
9	Pin		-40 lbs	5260 lbs	0 lbs	-200 lbs	-40 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
6'-0"	22'-10"

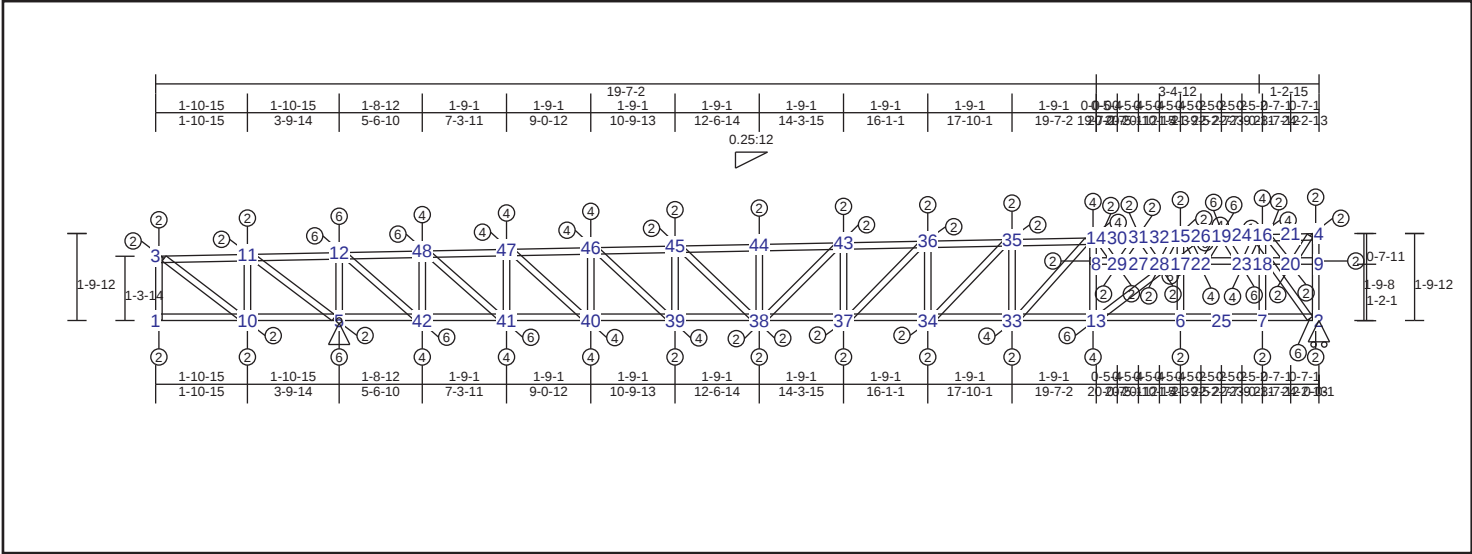
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord	Bot Chord	Web	Web
6-14 0.02 18 lbs 0 lbs	1-15 0.46 1031 lbs -352 lbs	1-14 0.16 -1558 lbs -1558 lbs	11-13 0.01 214 lbs -68 lbs
14-16 0.60 -2183 lbs -2183 lbs	15-17 0.54 2611 lbs -833 lbs	5-8 0.11 1798 lbs -559 lbs	24-25 0.03 436 lbs -113 lbs
16-18 0.51 -3550 lbs -3550 lbs	17-19 0.39 3863 lbs -1192 lbs	9-39 0.32 -3121 lbs -3121 lbs	22-23 0.04 684 lbs -175 lbs
18-20 0.59 -4651 lbs -4651 lbs	19-21 0.39 4866 lbs -1451 lbs	37-38 0.15 -1508 lbs -1508 lbs	20-21 0.06 986 lbs -252 lbs
20-22 0.64 -5497 lbs -5497 lbs	21-23 0.41 5598 lbs -1603 lbs	35-36 0.14 -1389 lbs -1389 lbs	18-19 0.08 1258 lbs -350 lbs
22-24 0.70 -6044 lbs -6044 lbs	23-25 0.19 6063 lbs -1654 lbs	33-34 0.11 -1090 lbs -1090 lbs	16-17 0.10 1563 lbs -469 lbs
13-24 0.80 -6444 lbs -6444 lbs	11-25 0.84 6348 lbs -1673 lbs	31-32 0.09 -869 lbs -869 lbs	14-15 0.11 1794 lbs -560 lbs
13-26 0.99 -6518 lbs -6518 lbs	2-11 0.86 6348 lbs -1611 lbs	29-30 0.06 -556 lbs -556 lbs	
7-26 0.82 -5487 lbs -5487 lbs	2-10 0.85 6341 lbs -1649 lbs	12-28 0.06 -553 lbs -553 lbs	
7-27 0.82 -5496 lbs -5496 lbs	10-28 0.84 6341 lbs -1725 lbs	10-27 0.16 2475 lbs -713 lbs	
12-27 0.98 -6518 lbs -6518 lbs	28-29 0.19 6032 lbs -1700 lbs	11-26 0.16 2500 lbs -699 lbs	
12-30 0.80 -6426 lbs -6426 lbs	29-31 0.41 5544 lbs -1638 lbs	13-25 0.05 -533 lbs -533 lbs	
30-32 0.69 -6005 lbs -6005 lbs	31-33 0.38 4789 lbs -1473 lbs	23-24 0.05 -536 lbs -536 lbs	
32-34 0.64 -5435 lbs -5435 lbs	33-35 0.41 3766 lbs -1202 lbs	21-22 0.09 -845 lbs -845 lbs	
34-36 0.57 -4562 lbs -4562 lbs	35-37 0.58 2480 lbs -827 lbs	19-20 0.11 -1085 lbs -1085 lbs	
36-38 0.60 -3457 lbs -3457 lbs	3-37 0.60 879 lbs -332 lbs	17-18 0.13 -1308 lbs -1308 lbs	
38-39 0.66 -1966 lbs -1966 lbs	3-4 0.00 0 lbs 0 lbs	15-16 0.17 -1693 lbs -1693 lbs	
8-39 0.81 698 lbs -502 lbs	3-9 0.90 -37 lbs -37 lbs	37-39 0.09 1408 lbs -462 lbs	
	5-9 0.90 -37 lbs -37 lbs	35-38 0.11 1714 lbs -519 lbs	
		33-36 0.08 1261 lbs -358 lbs	
		31-34 0.06 1013 lbs -256 lbs	
		29-32 0.04 707 lbs -174 lbs	
		28-30 0.03 459 lbs -112 lbs	
		10-12 0.01 225 lbs -61 lbs	

TRUSS Tr-9 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.50 (43 - 36)	TL(V): 0 in.	L / 999	(11-12)	L / 240
BC : 0.61 (7 - 2)	LL(V): 0 in.	L / 999	(11-12)	L / 360
Web : 0.51 (23 - 18)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 7	(11-12)	2L / 360
	Cant / OH LL: 0 in.	2L / 7	(11-12)	2L / 360
	Horiz TL: 0.02 in.		2	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	3	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4)Snow Criteria: None
- 5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	1280 lbs	0 lbs	-140 lbs	0 lbs
5	Pin		100 lbs	1850 lbs	0 lbs	-200 lbs	100 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-9-13	24-2-14

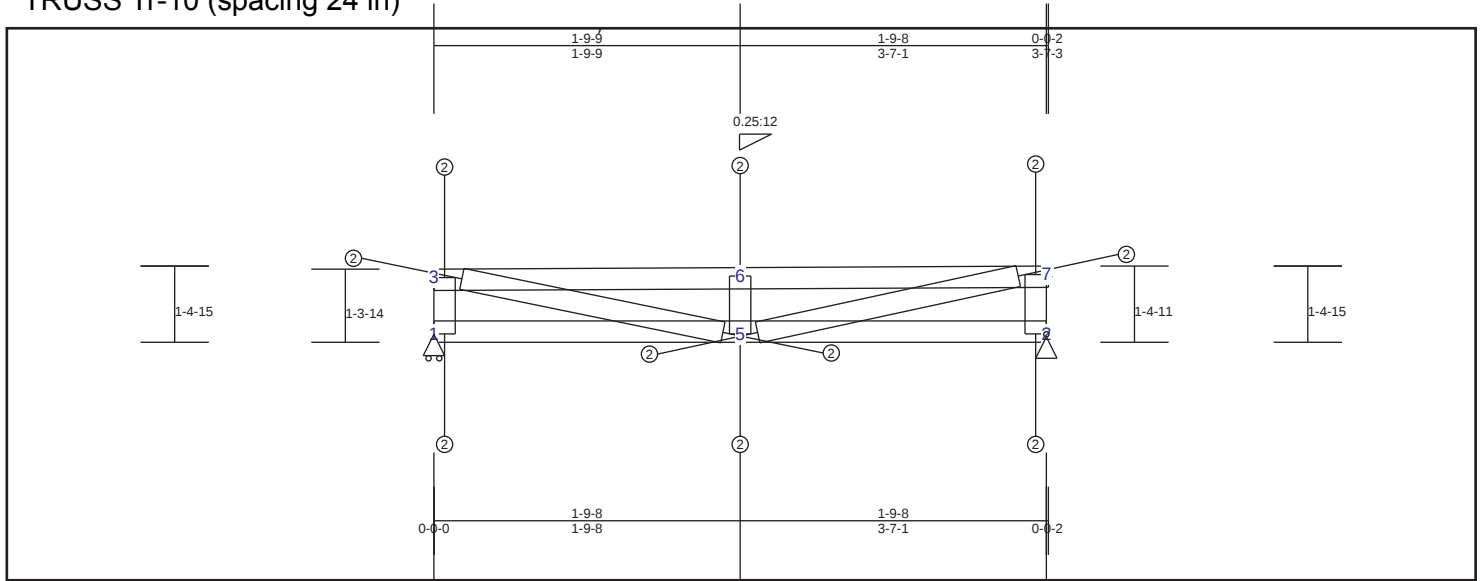
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
3-11	0.07	174 lbs	-85 lbs	1-10	0.04	-170 lbs	-170 lbs	1-3	0.02	5 lbs	-2 lbs	7-18	0.06	390 lbs	-138 lbs
11-12	0.45	610 lbs	-238 lbs	5-10	0.11	-608 lbs	-608 lbs	10-11	0.01	140 lbs	-49 lbs	16-18	0.24	-1240 lbs	-1240 lbs
12-48	0.45	-977 lbs	-977 lbs	5-42	0.46	961 lbs	-608 lbs	5-12	0.16	-1561 lbs	-1561 lbs	3-10	0.02	-214 lbs	-214 lbs
47-48	0.41	-2305 lbs	-2305 lbs	41-42	0.46	2294 lbs	-793 lbs	42-48	0.15	-1458 lbs	-1458 lbs	5-11	0.06	-549 lbs	-549 lbs
46-47	0.45	-3250 lbs	-3250 lbs	40-41	0.33	3243 lbs	-1132 lbs	41-47	0.12	-1132 lbs	-1132 lbs	12-42	0.13	2071 lbs	-738 lbs
45-46	0.48	-3875 lbs	-3875 lbs	39-40	0.30	3872 lbs	-1357 lbs	40-46	0.09	-845 lbs	-845 lbs	41-48	0.11	1780 lbs	-635 lbs
44-45	0.50	-4191 lbs	-4191 lbs	38-39	0.29	4193 lbs	-1472 lbs	39-45	0.06	-568 lbs	-568 lbs	40-47	0.08	1281 lbs	-457 lbs
43-44	0.49	-4230 lbs	-4230 lbs	37-38	0.17	4232 lbs	-1487 lbs	38-44	0.03	-236 lbs	-236 lbs	39-46	0.05	860 lbs	-308 lbs
36-43	0.50	-4230 lbs	-4230 lbs	34-37	0.28	4232 lbs	-1487 lbs	37-43	0.02	-195 lbs	-195 lbs	38-45	0.03	444 lbs	-160 lbs
35-36	0.49	-4007 lbs	-4007 lbs	33-34	0.29	4007 lbs	-1409 lbs	34-36	0.05	-478 lbs	-478 lbs	38-43	0.01	-54 lbs	-54 lbs
14-35	0.46	-3534 lbs	-3534 lbs	13-33	0.31	3533 lbs	-1242 lbs	33-35	0.08	-729 lbs	-729 lbs	36-37	0.02	321 lbs	-112 lbs
14-31	0.39	-3042 lbs	-3042 lbs	6-13	0.32	2863 lbs	-1005 lbs	2-9	0.03	201 lbs	-69 lbs	34-35	0.04	685 lbs	-242 lbs
15-31	0.49	-3042 lbs	-3042 lbs	6-7	0.29	1455 lbs	-508 lbs	4-9	0.04	236 lbs	-81 lbs	14-33	0.06	1009 lbs	-357 lbs
15-19	0.43	-2914 lbs	-2914 lbs	2-7	0.61	1391 lbs	-486 lbs	8-13	0.11	-1060 lbs	-1060 lbs	2-18	0.23	-2183 lbs	-2183 lbs
16-19	0.38	-1309 lbs	-1309 lbs					8-14	0.13	-1067 lbs	-1067 lbs	13-17	0.11	1770 lbs	-624 lbs
4-16	0.34	294 lbs	-101 lbs					8-29	0.04	93 lbs	-31 lbs	14-29	0.01	176 lbs	-60 lbs
								28-29	0.05	178 lbs	-60 lbs	29-31	0.01	-148 lbs	-148 lbs
								17-28	0.29	1462 lbs	-510 lbs	28-31	0.00	-30 lbs	-30 lbs
								17-22	0.37	1462 lbs	-510 lbs	15-28	0.01	231 lbs	-83 lbs
								22-23	0.42	-966 lbs	-966 lbs	15-22	0.14	-1367 lbs	-1367 lbs
								18-23	0.51	-1603 lbs	-1603 lbs	19-22	0.10	1680 lbs	-596 lbs
								18-20	0.51	-1603 lbs	-1603 lbs	19-23	0.18	-1748 lbs	-1748 lbs
								9-20	0.08	-297 lbs	-297 lbs	16-23	0.09	1422 lbs	-504 lbs
								6-17	0.15	-177 lbs	-177 lbs	16-20	0.00	55 lbs	-24 lbs
								15-17	0.19	760 lbs	-268 lbs	4-20	0.03	-337 lbs	-337 lbs

TRUSS Tr-10 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. MAX CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.12 (3 - 6)	TL(V): 0 in.	L / 999	3	L / 240
BC : 0.07 (1 - 5)	LL(V): 0 in.	L / 999	3	L / 360
Web : 0.04 (2 - 7)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: 0 in.		4	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	130 lbs	0 lbs	0 lbs	0 lbs
2	Pin		-40 lbs	140 lbs	0 lbs	0 lbs	-40 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-5-0	3-7-3

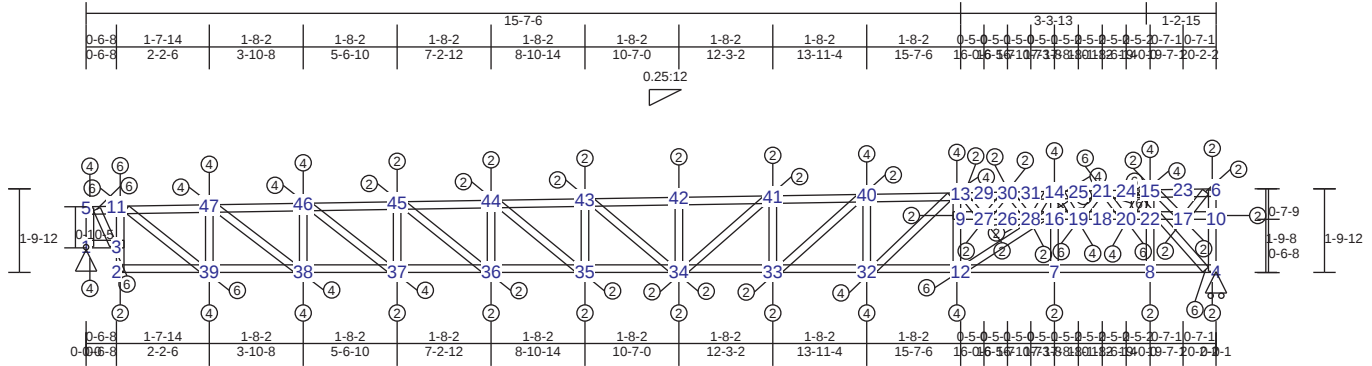
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
3-6	0.12	-106 lbs	-106 lbs	1-5	0.07	-104 lbs	-104 lbs	1-3	0.04	-129 lbs	-129 lbs
6-7	0.12	-106 lbs	-106 lbs	2-5	0.07	-104 lbs	-104 lbs	5-6	0.03	-178 lbs	-178 lbs
4-7	0.00	0 lbs	0 lbs					2-7	0.04	-136 lbs	-136 lbs
								3-5	0.02	135 lbs	-102 lbs
								5-7	0.01	138 lbs	-77 lbs

TRUSS Tr-11 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary		Deflection	L /	(Loc)	Max. Allowed
TC :	0.52 (44 - 43)	TL(V): 0 in.	L / 999	(13-30)	L / 240
BC :	0.88 (1 - 3)	LL(V): 0 in.	L / 999	(13-30)	L / 360
Web :	0.73 (3 - 11)	DL(V): 0 in.	L / 999	(30-14)	L / 0
		Cant / OH TL: 0 in.	2L / 6	6	2L / 240
		Cant / OH LL: 0 in.	2L / 6	6	2L / 240
		Horiz TL: 0.02 in.		11	
		Web :			
		Snow/Wind 0 in.	L / 999	5	L / 360
		Cant (Snow/Wind) 0 in.	L / 999	5	L / 360

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC Live/Roof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		90 lbs	1300 lbs	0 lbs	-140 lbs	90 lbs
4	HRoll		0 lbs	1300 lbs	0 lbs	-140 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43 (50)	Sheathing			
Bot Chd	350S162-43 (50)	Sheathing			
Web	350S162-43 (50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-9-13	20-2-3

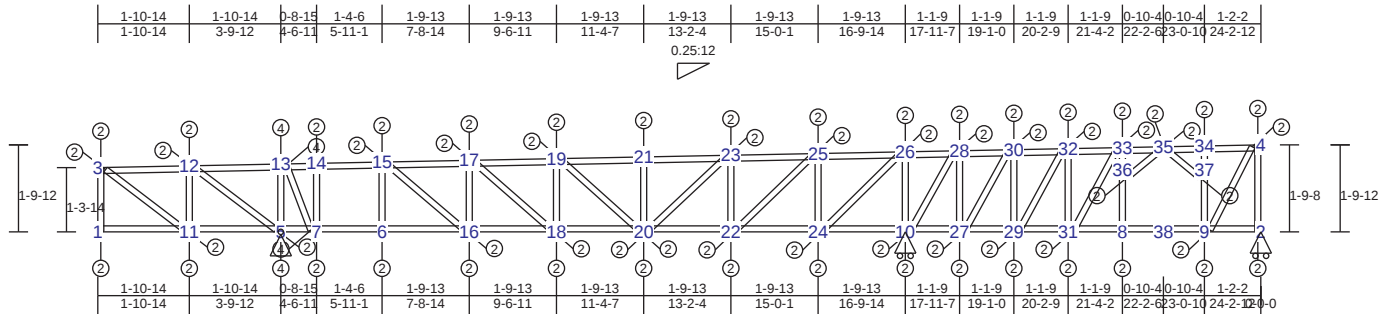
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
5-11	0.49	-610 lbs	-610 lbs	2-39	0.42	1873 lbs	-654 lbs	1-5	0.12	-1166 lbs	-1166 lbs	8-22	0.07	399 lbs	-141 lbs
11-47	0.41	-1887 lbs	-1887 lbs	38-39	0.42	2970 lbs	-1044 lbs	2-3	0.40	-41 lbs	-41 lbs	15-22	0.26	-1271 lbs	-1271 lbs
46-47	0.45	-2979 lbs	-2979 lbs	37-38	0.32	3734 lbs	-1316 lbs	3-11	0.73	-1877 lbs	-1877 lbs	3-5	0.11	1811 lbs	-656 lbs
45-46	0.49	-3740 lbs	-3740 lbs	36-37	0.31	4213 lbs	-1487 lbs	32-40	0.08	-784 lbs	-784 lbs	12-16	0.11	1812 lbs	-641 lbs
44-45	0.50	-4215 lbs	-4215 lbs	35-36	0.29	4418 lbs	-1559 lbs	33-41	0.06	-548 lbs	-548 lbs	4-22	0.23	-2227 lbs	-2227 lbs
43-44	0.52	-4415 lbs	-4415 lbs	34-35	0.18	4418 lbs	-1559 lbs	34-42	0.02	-226 lbs	-226 lbs	6-17	0.03	-343 lbs	-343 lbs
42-43	0.50	-4415 lbs	-4415 lbs	33-34	0.31	4371 lbs	-1543 lbs	35-43	0.02	-173 lbs	-173 lbs	15-17	0.00	57 lbs	-24 lbs
41-42	0.51	-4369 lbs	-4369 lbs	32-33	0.31	4087 lbs	-1442 lbs	36-44	0.05	-455 lbs	-455 lbs	15-20	0.09	1463 lbs	-520 lbs
40-41	0.50	-4087 lbs	-4087 lbs	12-32	0.32	3579 lbs	-1261 lbs	37-45	0.08	-722 lbs	-722 lbs	20-21	0.18	-1790 lbs	-1790 lbs
13-40	0.48	-3580 lbs	-3580 lbs	7-12	0.34	2897 lbs	-1020 lbs	38-46	0.10	-993 lbs	-993 lbs	19-21	0.11	1719 lbs	-611 lbs
13-30	0.41	-3095 lbs	-3095 lbs	7-8	0.30	1483 lbs	-519 lbs	39-47	0.14	-1315 lbs	-1315 lbs	14-19	0.14	-1404 lbs	-1404 lbs
14-30	0.50	-3095 lbs	-3095 lbs	4-8	0.64	1418 lbs	-496 lbs	4-10	0.04	206 lbs	-71 lbs	13-27	0.01	199 lbs	-68 lbs
14-21	0.44	-2988 lbs	-2988 lbs	1-3	0.88	630 lbs	-210 lbs	6-10	0.04	242 lbs	-84 lbs	27-30	0.02	-166 lbs	-166 lbs
15-21	0.41	-1345 lbs	-1345 lbs					9-12	0.12	-1120 lbs	-1120 lbs	28-30	0.00	-12 lbs	-12 lbs
6-15	0.37	299 lbs	-103 lbs					9-13	0.14	-1132 lbs	-1132 lbs	14-28	0.01	222 lbs	-80 lbs
								9-27	0.05	106 lbs	-36 lbs	13-32	0.07	1058 lbs	-376 lbs
								27-28	0.06	196 lbs	-66 lbs	33-40	0.05	758 lbs	-269 lbs
								16-28	0.31	1509 lbs	-529 lbs	34-41	0.03	418 lbs	-148 lbs
								16-19	0.39	1509 lbs	-529 lbs	11-39	0.11	1783 lbs	-633 lbs
								19-20	0.44	-979 lbs	-979 lbs	38-47	0.09	1508 lbs	-536 lbs
								20-22	0.53	-1635 lbs	-1635 lbs	37-46	0.07	1063 lbs	-378 lbs
								17-22	0.53	-1635 lbs	-1635 lbs	36-45	0.04	674 lbs	-240 lbs
								10-17	0.08	-301 lbs	-301 lbs	35-44	0.02	291 lbs	-104 lbs
								7-16	0.15	-188 lbs	-188 lbs	34-43	0.01	-68 lbs	-68 lbs
								14-16	0.19	803 lbs	-284 lbs				

TRUSS Tr-12 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.54 (15 - 17)	TL(V): 0 in.	L / 999	3	L / 240
BC : 0.73 (5 - 7)	LL(V): 0 in.	L / 999	3	L / 360
Web : 0.13 (8 - 36)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: 0 in.		25	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	80 lbs	0 lbs	0 lbs	0 lbs
5	Pin		60 lbs	710 lbs	0 lbs	0 lbs	60 lbs
10	HRoll		0 lbs	1040 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350162-43(50)	Sheathing
Bot Chd	350162-43(50)	Sheathing
Web	350162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
1-9-13	24-2-13

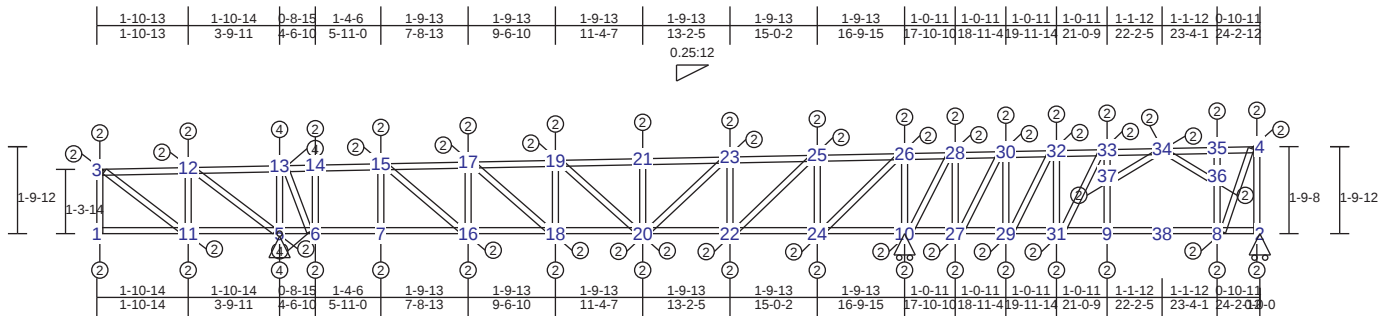
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
3-12	0.10	97 lbs	-82 lbs	1-11	0.04	-94 lbs	-94 lbs	1-3	0.03	2 lbs	-1 lbs	19-20	0.02	-146 lbs	-146 lbs
12-13	0.37	368 lbs	-245 lbs	5-11	0.14	-367 lbs	-367 lbs	11-12	0.01	79 lbs	-48 lbs	20-23	0.04	376 lbs	-227 lbs
13-14	0.53	368 lbs	-245 lbs	5-7	0.73	-367 lbs	-367 lbs	5-13	0.13	-795 lbs	-795 lbs	22-25	0.06	613 lbs	-371 lbs
14-15	0.53	-18 lbs	-18 lbs	6-7	0.47	-87 lbs	-87 lbs	7-14	0.09	-552 lbs	-552 lbs	24-26	0.07	735 lbs	-446 lbs
15-17	0.54	-439 lbs	-439 lbs	6-16	0.45	436 lbs	-250 lbs	6-15	0.04	-236 lbs	-236 lbs	10-28	0.09	-556 lbs	-556 lbs
17-19	0.25	-470 lbs	-470 lbs	16-18	0.13	468 lbs	-271 lbs	16-17	0.05	-285 lbs	-285 lbs	27-30	0.09	-543 lbs	-543 lbs
19-21	0.13	-470 lbs	-470 lbs	18-20	0.12	468 lbs	-271 lbs	18-19	0.00	-12 lbs	-12 lbs	29-32	0.06	-385 lbs	-385 lbs
21-23	0.20	-361 lbs	-361 lbs	20-22	0.20	360 lbs	-207 lbs	20-21	0.02	-147 lbs	-147 lbs	31-33	0.05	-288 lbs	-288 lbs
23-25	0.27	365 lbs	-219 lbs	22-24	0.30	-356 lbs	-356 lbs	22-23	0.07	-407 lbs	-407 lbs	4-9	0.00	44 lbs	-28 lbs
25-26	0.31	890 lbs	-536 lbs	10-24	0.30	-879 lbs	-879 lbs	24-25	0.09	-561 lbs	-561 lbs	35-37	0.00	47 lbs	-28 lbs
26-28	0.31	890 lbs	-536 lbs	10-27	0.25	-879 lbs	-879 lbs	10-26	0.10	-608 lbs	-608 lbs	35-36	0.02	-106 lbs	-106 lbs
28-30	0.25	610 lbs	-364 lbs	27-29	0.23	-608 lbs	-608 lbs	27-28	0.05	489 lbs	-297 lbs				
30-32	0.17	348 lbs	-203 lbs	29-31	0.16	-346 lbs	-346 lbs	29-30	0.04	351 lbs	-213 lbs				
32-33	0.14	165 lbs	-100 lbs	8-31	0.12	-163 lbs	-163 lbs	31-32	0.03	260 lbs	-157 lbs				
33-35	0.08	77 lbs	-65 lbs	8-9	0.07	-44 lbs	-44 lbs	8-36	0.13	111 lbs	-67 lbs				
34-35	0.05	-42 lbs	-42 lbs	2-9	0.07	-44 lbs	-44 lbs	33-36	0.07	111 lbs	-67 lbs				
4-34	0.06	-42 lbs	-42 lbs					9-37	0.06	-95 lbs	-95 lbs				
								34-37	0.04	-95 lbs	-95 lbs				
								2-4	0.06	-73 lbs	-73 lbs				
								3-11	0.02	-118 lbs	-118 lbs				
								5-12	0.06	-342 lbs	-342 lbs				
								7-13	0.11	1057 lbs	-651 lbs				
								15-16	0.06	564 lbs	-349 lbs				
								17-18	0.00	42 lbs	-28 lbs				

TRUSS Tr-13 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.55 (15 - 17)	TL(V): 0 in.	L / 999	3	L / 240
BC : 0.74 (5 - 6)	LL(V): 0 in.	L / 999	3	L / 360
Web : 0.18 (9 - 37)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: -0.01 in.		37	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	90 lbs	0 lbs	0 lbs	0 lbs
5	Pin		60 lbs	710 lbs	0 lbs	0 lbs	60 lbs
10	HRoll		0 lbs	1020 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350162-43(50)	Sheathing
Bot Chd	350162-43(50)	Sheathing
Web	350162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
1-9-13	24-2-13

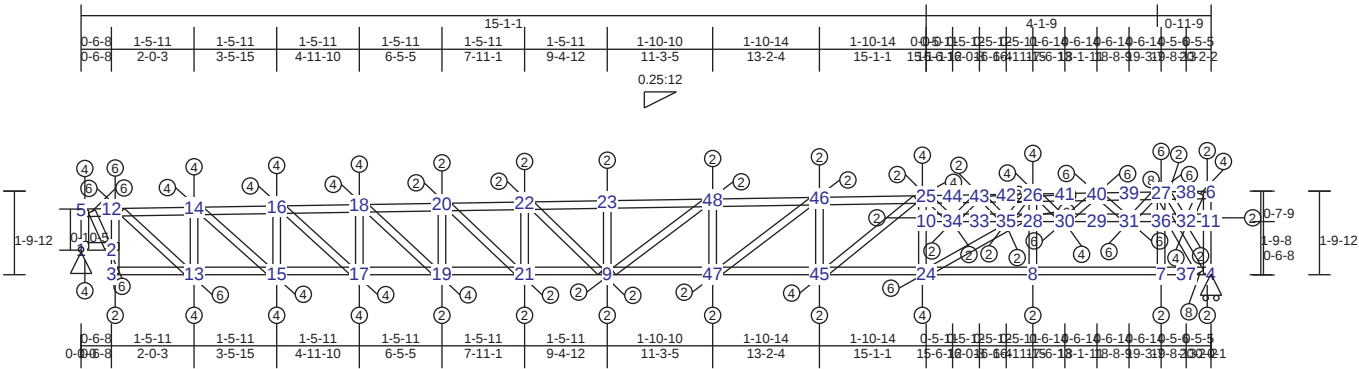
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
3-12	0.10	97 lbs	-82 lbs	1-11	0.04	-94 lbs	-94 lbs	1-3	0.03	2 lbs	-1 lbs	19-20	0.02	-137 lbs	-137 lbs
12-13	0.38	367 lbs	-244 lbs	5-11	0.14	-365 lbs	-365 lbs	11-12	0.01	79 lbs	-48 lbs	20-23	0.04	368 lbs	-222 lbs
13-14	0.54	367 lbs	-244 lbs	5-6	0.74	-365 lbs	-365 lbs	5-13	0.13	-807 lbs	-807 lbs	22-25	0.06	605 lbs	-366 lbs
14-15	0.54	-22 lbs	-22 lbs	6-7	0.48	-90 lbs	-90 lbs	6-14	0.09	-560 lbs	-560 lbs	24-26	0.07	729 lbs	-442 lbs
15-17	0.55	-457 lbs	-457 lbs	7-16	0.46	455 lbs	-260 lbs	7-15	0.04	-240 lbs	-240 lbs	10-28	0.09	-538 lbs	-538 lbs
17-19	0.25	-494 lbs	-494 lbs	16-18	0.13	492 lbs	-286 lbs	16-17	0.05	-292 lbs	-292 lbs	27-30	0.09	-541 lbs	-541 lbs
19-21	0.13	-494 lbs	-494 lbs	18-20	0.12	492 lbs	-286 lbs	18-19	0.00	-18 lbs	-18 lbs	29-32	0.06	-393 lbs	-393 lbs
21-23	0.20	-392 lbs	-392 lbs	20-22	0.20	390 lbs	-225 lbs	20-21	0.02	-147 lbs	-147 lbs	31-33	0.05	-319 lbs	-319 lbs
23-25	0.27	323 lbs	-194 lbs	22-24	0.30	-314 lbs	-314 lbs	22-23	0.07	-402 lbs	-402 lbs	4-8	0.01	74 lbs	-46 lbs
25-26	0.31	844 lbs	-508 lbs	10-24	0.30	-834 lbs	-834 lbs	24-25	0.09	-555 lbs	-555 lbs	34-36	0.00	29 lbs	-16 lbs
26-28	0.31	844 lbs	-508 lbs	10-27	0.24	-834 lbs	-834 lbs	10-26	0.10	-604 lbs	-604 lbs	34-37	0.02	-133 lbs	-133 lbs
28-30	0.25	592 lbs	-353 lbs	27-29	0.23	-589 lbs	-589 lbs	27-28	0.05	497 lbs	-302 lbs				
30-32	0.18	348 lbs	-204 lbs	29-31	0.16	-346 lbs	-346 lbs	29-30	0.04	363 lbs	-220 lbs				
32-33	0.18	173 lbs	-104 lbs	9-31	0.13	-171 lbs	-171 lbs	31-32	0.03	295 lbs	-179 lbs				
33-34	0.10	101 lbs	-75 lbs	8-9	0.08	-45 lbs	-45 lbs	9-37	0.18	114 lbs	-68 lbs				
34-35	0.07	-39 lbs	-39 lbs	2-8	0.08	-45 lbs	-45 lbs	33-37	0.10	114 lbs	-68 lbs				
4-35	0.05	-39 lbs	-39 lbs					8-36	0.05	-108 lbs	-108 lbs				
								35-36	0.03	-108 lbs	-108 lbs				
								2-4	0.06	-82 lbs	-82 lbs				
								3-11	0.02	-118 lbs	-118 lbs				
								5-12	0.06	-341 lbs	-341 lbs				
								6-13	0.11	1074 lbs	-661 lbs				
								15-16	0.06	577 lbs	-357 lbs				
								17-18	0.01	50 lbs	-33 lbs				

TRUSS Tr-14 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. MAX CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary		Deflection	L /	(Loc)	Max. Allowed
TC :	0.56 (43 - 26)	TL(V): 0 in.	L / 999	(43-26)	L / 240
BC :	0.87 (1 - 2)	LL(V): 0 in.	L / 999	(43-26)	L / 360
Web :	0.73 (2 - 12)	DL(V): 0 in.	L / 999	26	L / 0
		Cant / OH TL: 0 in.	2L / 999	(43-26)	2L / 240
		Cant / OH LL: 0 in.	2L / 999	(43-26)	2L / 240
		Horiz TL: 0.02 in.		12	
		Web :			
		Snow/Wind 0 in.	L / 999	5	L / 360
		Cant (Snow/Wind) 0 in.	L / 23	(5-12)	L / 360

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4)Snow Criteria: None
- 5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		90 lbs	1300 lbs	0 lbs	-140 lbs	90 lbs
4	HRoll		0 lbs	1300 lbs	0 lbs	-140 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43 (50)	Sheathing			
Bot Chd	350S162-43 (50)	Sheathing			
Web	350S162-43 (50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-9-13	20-2-3

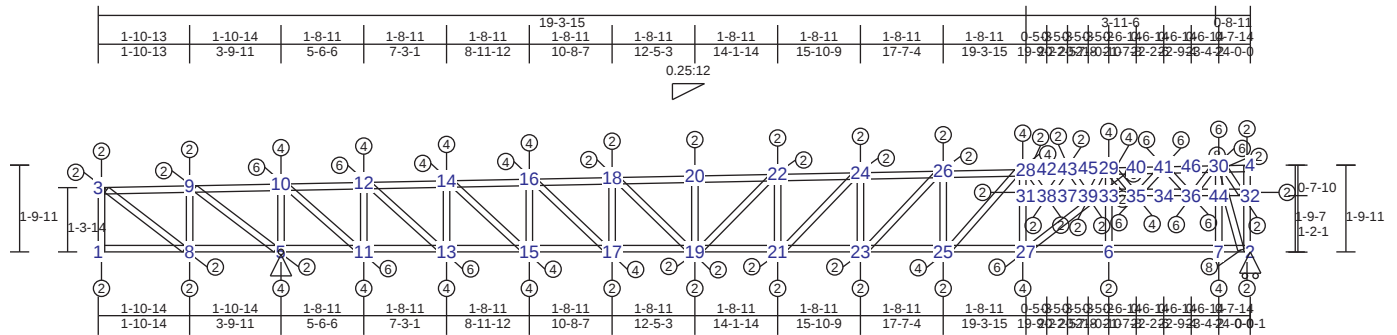
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
5-12	0.49	-604 lbs	-604 lbs	1-2	0.87	623 lbs	-208 lbs	1-5	0.12	-1166 lbs	-1166 lbs	7-36	0.10	592 lbs	-210 lbs
12-14	0.42	-1746 lbs	-1746 lbs	3-13	0.44	1731 lbs	-604 lbs	2-3	0.39	-49 lbs	-49 lbs	27-36	0.23	-1621 lbs	-1621 lbs
14-16	0.43	-2757 lbs	-2757 lbs	13-15	0.44	2747 lbs	-965 lbs	2-12	0.73	-1868 lbs	-1868 lbs	2-5	0.11	1792 lbs	-650 lbs
16-18	0.47	-3503 lbs	-3503 lbs	15-17	0.32	3496 lbs	-1231 lbs	13-14	0.14	-1377 lbs	-1377 lbs	12-13	0.11	1723 lbs	-612 lbs
18-20	0.48	-4023 lbs	-4023 lbs	17-19	0.32	4020 lbs	-1418 lbs	15-16	0.11	-1071 lbs	-1071 lbs	14-15	0.09	1510 lbs	-537 lbs
20-22	0.50	-4323 lbs	-4323 lbs	19-21	0.30	4323 lbs	-1526 lbs	17-18	0.09	-826 lbs	-826 lbs	16-17	0.07	1128 lbs	-401 lbs
22-23	0.50	-4429 lbs	-4429 lbs	9-21	0.18	4431 lbs	-1564 lbs	19-20	0.06	-580 lbs	-580 lbs	18-19	0.05	798 lbs	-284 lbs
23-48	0.52	-4429 lbs	-4429 lbs	9-47	0.18	4431 lbs	-1564 lbs	21-22	0.03	-331 lbs	-331 lbs	20-21	0.03	468 lbs	-167 lbs
46-48	0.52	-4287 lbs	-4287 lbs	45-47	0.31	4287 lbs	-1513 lbs	9-23	0.02	-229 lbs	-229 lbs	9-22	0.01	168 lbs	-60 lbs
25-46	0.50	-3840 lbs	-3840 lbs	24-45	0.33	3840 lbs	-1354 lbs	45-46	0.07	-671 lbs	-671 lbs	6-32	0.08	-850 lbs	-850 lbs
25-43	0.42	-3694 lbs	-3694 lbs	8-24	0.36	3146 lbs	-1108 lbs	47-48	0.04	-399 lbs	-399 lbs	27-32	0.03	496 lbs	-172 lbs
26-43	0.56	-3831 lbs	-3831 lbs	7-8	0.30	1412 lbs	-494 lbs	4-11	0.07	599 lbs	-211 lbs	27-31	0.10	1585 lbs	-563 lbs
26-40	0.56	-3824 lbs	-3824 lbs	4-7	0.81	1328 lbs	-464 lbs	6-11	0.09	672 lbs	-236 lbs	31-40	0.18	-1823 lbs	-1823 lbs
27-40	0.42	-1581 lbs	-1581 lbs					10-24	0.13	-1188 lbs	-1188 lbs	30-40	0.11	1720 lbs	-611 lbs
6-27	0.42	650 lbs	-228 lbs					10-25	0.13	-1211 lbs	-1211 lbs	26-30	0.15	-1541 lbs	-1541 lbs
								10-34	0.10	268 lbs	-93 lbs	26-35	0.00	9 lbs	-5 lbs
								34-35	0.12	684 lbs	-237 lbs	35-43	0.01	226 lbs	-78 lbs
								28-35	0.36	2427 lbs	-854 lbs	34-43	0.04	-442 lbs	-442 lbs
								28-30	0.38	2427 lbs	-854 lbs	25-34	0.03	448 lbs	-157 lbs
								30-31	0.40	1448 lbs	-962 lbs	24-28	0.13	2113 lbs	-748 lbs
								31-36	0.70	-1917 lbs	-1917 lbs	4-36	0.28	-2671 lbs	-2671 lbs
								32-36	0.70	-1917 lbs	-1917 lbs	25-45	0.06	987 lbs	-351 lbs
								11-32	0.22	-504 lbs	-504 lbs	46-47	0.04	614 lbs	-218 lbs
								8-28	0.19	-164 lbs	-164 lbs	9-48	0.01	196 lbs	-69 lbs
								26-28	0.24	965 lbs	-342 lbs				

TRUSS Tr-15 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L /	(Loc)	Max. Allowed
TC : 0.59 (43 - 29)	TL(V): 0 in.	L / 999	(3-9)	L / 240
BC : 0.80 (7 - 2)	LL(V): 0 in.	L / 999	(3-9)	L / 360
Web : 0.84 (36 - 44)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	(3-9)	2L / 360
	Cant / OH LL: 0 in.	2L / 999	(3-9)	2L / 360
	Horiz TL: 0.02 in.		10	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	3	L / 360

Load Summary

- This Truss has been designed in accordance with LRFD 2016.
- This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- Snow Criteria: None
- For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	1260 lbs	0 lbs	-140 lbs	0 lbs
5	Pin		100 lbs	1840 lbs	0 lbs	-200 lbs	100 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
1-9-12	24-0-1

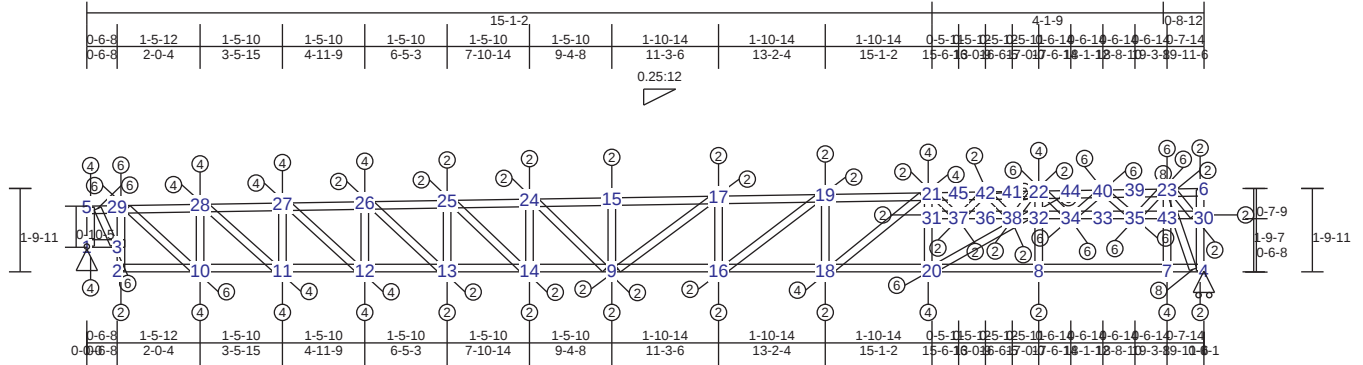
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
3-9	0.07	173 lbs	-85 lbs	1-8	0.04	-168 lbs	-168 lbs	1-3	0.02	5 lbs	-2 lbs	30-44	0.23	-1756 lbs	-1756 lbs
9-10	0.44	605 lbs	-236 lbs	5-8	0.11	-603 lbs	-603 lbs	8-9	0.01	139 lbs	-49 lbs	3-8	0.02	-212 lbs	-212 lbs
10-12	0.44	-958 lbs	-958 lbs	5-11	0.46	942 lbs	-603 lbs	5-10	0.16	-1546 lbs	-1546 lbs	5-9	0.06	-546 lbs	-546 lbs
12-14	0.44	-2251 lbs	-2251 lbs	11-13	0.46	2240 lbs	-773 lbs	11-12	0.15	-1446 lbs	-1446 lbs	10-11	0.12	2043 lbs	-728 lbs
14-16	0.44	-3172 lbs	-3172 lbs	13-15	0.33	3165 lbs	-1104 lbs	13-14	0.12	-1124 lbs	-1124 lbs	12-13	0.11	1749 lbs	-624 lbs
16-18	0.47	-3785 lbs	-3785 lbs	15-17	0.29	3782 lbs	-1325 lbs	15-16	0.09	-841 lbs	-841 lbs	14-15	0.08	1262 lbs	-451 lbs
18-20	0.49	-4099 lbs	-4099 lbs	17-19	0.28	4102 lbs	-1440 lbs	17-18	0.06	-569 lbs	-569 lbs	16-17	0.05	851 lbs	-305 lbs
20-22	0.47	-4146 lbs	-4146 lbs	19-21	0.17	4147 lbs	-1457 lbs	19-20	0.02	-232 lbs	-232 lbs	18-19	0.03	446 lbs	-160 lbs
22-24	0.49	-4146 lbs	-4146 lbs	21-23	0.27	4147 lbs	-1457 lbs	21-22	0.02	-183 lbs	-183 lbs	19-22	0.01	-65 lbs	-65 lbs
24-26	0.48	-3938 lbs	-3938 lbs	23-25	0.29	3938 lbs	-1384 lbs	23-24	0.05	-466 lbs	-466 lbs	21-24	0.02	303 lbs	-106 lbs
26-28	0.45	-3489 lbs	-3489 lbs	25-27	0.31	3488 lbs	-1226 lbs	25-26	0.08	-699 lbs	-699 lbs	23-26	0.04	657 lbs	-232 lbs
28-30	0.40	-3617 lbs	-3617 lbs	27-29	0.39	2836 lbs	-995 lbs	27-28	0.09	680 lbs	-239 lbs	25-28	0.06	981 lbs	-347 lbs
30-32	0.59	-3919 lbs	-3919 lbs	29-31	0.28	1081 lbs	-376 lbs	29-30	0.10	680 lbs	-239 lbs	27-33	0.13	2222 lbs	-784 lbs
32-34	0.59	-3919 lbs	-3919 lbs	31-33	0.80	989 lbs	-344 lbs	31-32	0.15	-1339 lbs	-1339 lbs	24-44	0.29	-2814 lbs	-2814 lbs
34-36	0.42	-1727 lbs	-1727 lbs					28-31	0.17	-1386 lbs	-1386 lbs	30-36	0.10	1575 lbs	-559 lbs
36-38	0.42	454 lbs	-159 lbs					31-38	0.15	398 lbs	-139 lbs	36-41	0.18	-1770 lbs	-1770 lbs
								38-39	0.18	1024 lbs	-357 lbs	35-41	0.10	1686 lbs	-598 lbs
								33-39	0.40	2877 lbs	-1010 lbs	29-35	0.15	-1519 lbs	-1519 lbs
								33-35	0.38	2877 lbs	-1010 lbs	29-39	0.01	-128 lbs	-128 lbs
								35-36	0.39	1909 lbs	-667 lbs	39-43	0.03	448 lbs	-156 lbs
								36-44	0.84	-1393 lbs	-1393 lbs	38-43	0.07	-665 lbs	-665 lbs
								32-44	0.84	-1393 lbs	-1393 lbs	28-38	0.04	662 lbs	-231 lbs
								6-33	0.20	-183 lbs	-183 lbs	30-32	0.03	448 lbs	-155 lbs
								29-33	0.26	1062 lbs	-375 lbs				
								7-44	0.12	849 lbs	-300 lbs				

TRUSS Tr-16 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L /	(Loc)	Max. Allowed
TC : 0.59 (42 - 22)	TL(V): 0 in.	L / 999	(42-22)	L / 240
BC : 0.84 (1 - 3)	LL(V): 0 in.	L / 999	(42-22)	L / 360
Web : 0.84 (35 - 43)	DL(V): 0 in.	L / 999	(42-22)	L / 0
	Cant / OH TL: 0 in.	2L / 29	(23-6)	2L / 240
	Cant / OH LL: 0 in.	2L / 29	(23-6)	2L / 240
	Horiz TL: 0.02 in.		29	
	Web :			
	Snow/Wind 0 in.	L / 999	5	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	5	L / 360

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		90 lbs	1290 lbs	0 lbs	-140 lbs	90 lbs
4	HRoll		0 lbs	1290 lbs	0 lbs	-140 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
1-9-12	19-11-7

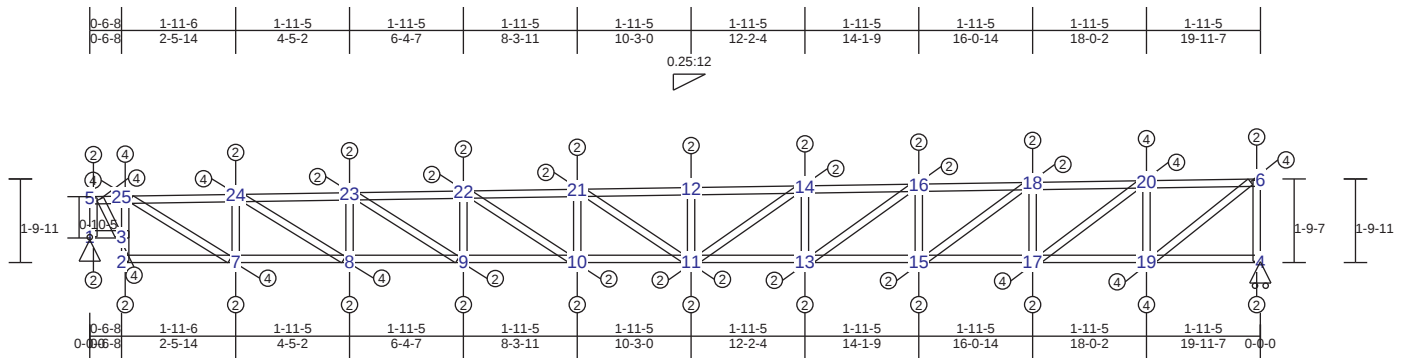
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord			Bot Chord			Web			Web		
5-29	0.47	-596 lbs	-596 lbs	2-10	0.42	1713 lbs	-597 lbs	16-17	0.04	-415 lbs	-415 lbs
28-29	0.40	-1727 lbs	-1727 lbs	10-11	0.42	2709 lbs	-951 lbs	18-19	0.07	-682 lbs	-682 lbs
27-28	0.41	-2719 lbs	-2719 lbs	11-12	0.31	3441 lbs	-1212 lbs	9-15	0.02	-230 lbs	-230 lbs
26-27	0.45	-3448 lbs	-3448 lbs	12-13	0.30	3950 lbs	-1393 lbs	14-24	0.03	-316 lbs	-316 lbs
25-26	0.48	-3953 lbs	-3953 lbs	13-14	0.28	4240 lbs	-1496 lbs	13-25	0.06	-565 lbs	-565 lbs
24-25	0.50	-4240 lbs	-4240 lbs	9-14	0.17	4337 lbs	-1531 lbs	12-26	0.09	-810 lbs	-810 lbs
15-24	0.50	-4336 lbs	-4336 lbs	9-16	0.17	4337 lbs	-1531 lbs	11-27	0.11	-1054 lbs	-1054 lbs
15-17	0.52	-4336 lbs	-4336 lbs	16-18	0.30	4177 lbs	-1474 lbs	10-28	0.14	-1358 lbs	-1358 lbs
17-19	0.51	-4177 lbs	-4177 lbs	18-20	0.32	3714 lbs	-1309 lbs	2-3	0.35	-48 lbs	-48 lbs
19-21	0.48	-3714 lbs	-3714 lbs	8-20	0.37	3002 lbs	-1057 lbs	3-29	0.63	-1845 lbs	-1845 lbs
21-42	0.42	-3753 lbs	-3753 lbs	7-8	0.28	1117 lbs	-389 lbs	1-5	0.12	-1151 lbs	-1151 lbs
22-42	0.59	-4016 lbs	-4016 lbs	4-7	0.83	1020 lbs	-355 lbs	4-30	0.09	708 lbs	-249 lbs
22-40	0.59	-4016 lbs	-4016 lbs	1-3	0.84	615 lbs	-206 lbs	6-30	0.10	708 lbs	-249 lbs
23-40	0.43	-1746 lbs	-1746 lbs					20-31	0.14	-1291 lbs	-1291 lbs
6-23	0.43	481 lbs	-168 lbs					21-31	0.16	-1324 lbs	-1324 lbs
								31-37	0.12	373 lbs	-130 lbs
								37-38	0.16	972 lbs	-339 lbs
								32-38	0.38	2934 lbs	-1033 lbs
								32-34	0.38	2934 lbs	-1033 lbs
								34-35	0.39	1936 lbs	-678 lbs
								35-43	0.84	-1450 lbs	-1450 lbs
								30-43	0.84	-1450 lbs	-1450 lbs
								7-43	0.12	866 lbs	-307 lbs
								23-43	0.24	-1809 lbs	-1809 lbs
								8-32	0.21	-171 lbs	-171 lbs

TRUSS Tr-17 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC: 0.53 (20 - 6)	TL(V): 0 in.	L / 999	(16-18)	L / 240
BC: 0.84 (1 - 3)	LL(V): 0 in.	L / 999	(16-18)	L / 360
Web: 0.66 (3 - 25)	DL(V): 0 in.	L / 999	(18-20)	L / 0
	Cant / OH TL: 0 in.	2L / 8	6	2L / 240
	Cant / OH LL: 0 in.	2L / 8	6	2L / 240
	Horiz TL: 0.02 in.		25	
	Web:			
	Snow/Wind 0 in.	L / 999	5	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	5	L / 360

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		50 lbs	750 lbs	0 lbs	0 lbs	50 lbs
4	HRoll		0 lbs	750 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-9-12	19-11-8

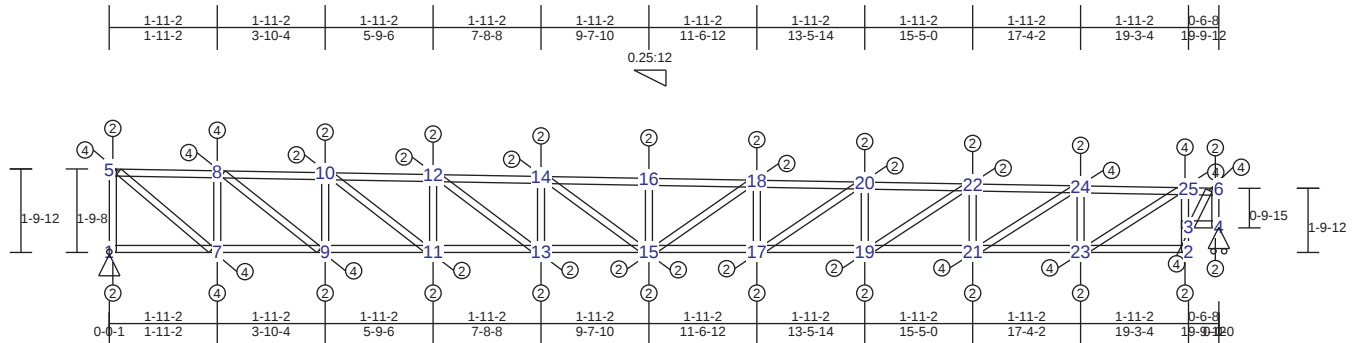
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
5-25	0.48	-360 lbs	-360 lbs	2-7	0.38	1193 lbs	-718 lbs	1-5	0.10	-660 lbs	-660 lbs
24-25	0.38	-1205 lbs	-1205 lbs	7-8	0.38	1861 lbs	-1125 lbs	11-12	0.02	-151 lbs	-151 lbs
23-24	0.43	-1869 lbs	-1869 lbs	8-9	0.33	2282 lbs	-1382 lbs	13-14	0.05	-318 lbs	-318 lbs
22-23	0.47	-2288 lbs	-2288 lbs	9-10	0.33	2489 lbs	-1508 lbs	15-16	0.08	-480 lbs	-480 lbs
21-22	0.49	-2491 lbs	-2491 lbs	10-11	0.30	2494 lbs	-1511 lbs	17-18	0.10	-622 lbs	-622 lbs
12-21	0.48	-2496 lbs	-2496 lbs	11-13	0.32	2494 lbs	-1511 lbs	19-20	0.14	-847 lbs	-847 lbs
12-14	0.49	-2496 lbs	-2496 lbs	13-15	0.32	2314 lbs	-1402 lbs	4-6	0.13	-771 lbs	-771 lbs
14-16	0.47	-2316 lbs	-2316 lbs	15-17	0.32	1960 lbs	-1186 lbs	7-24	0.12	-708 lbs	-708 lbs
16-18	0.44	-1962 lbs	-1962 lbs	17-19	0.45	1449 lbs	-874 lbs	8-23	0.08	-509 lbs	-509 lbs
18-20	0.41	-1451 lbs	-1451 lbs	4-19	0.45	783 lbs	-468 lbs	9-22	0.06	-337 lbs	-337 lbs
6-20	0.53	-787 lbs	-787 lbs	1-3	0.84	366 lbs	-211 lbs	10-21	0.03	-156 lbs	-156 lbs
								2-3	0.36	-16 lbs	-16 lbs
								3-25	0.66	-1060 lbs	-1060 lbs
								11-14	0.03	243 lbs	-148 lbs
								13-16	0.05	483 lbs	-295 lbs
								15-18	0.07	706 lbs	-431 lbs
								17-20	0.10	929 lbs	-567 lbs
								6-19	0.12	1126 lbs	-687 lbs
								11-21	0.00	7 lbs	-4 lbs
								10-22	0.03	269 lbs	-164 lbs
								9-23	0.06	544 lbs	-332 lbs
								8-24	0.09	853 lbs	-520 lbs
								7-25	0.11	1087 lbs	-663 lbs
								3-5	0.10	1021 lbs	-634 lbs

TRUSS Tr-18 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC: 0.53 (5 - 8)	TL(V): 0 in.	L / 999	5	L / 240
BC: 0.84 (3 - 4)	LL(V): 0 in.	L / 999	5	L / 360
Web: 0.78 (3 - 25)	DL(V): 0 in.	L / 999	5	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: 0.02 in.		5	
	Web:			
	Snow/Wind 0 in.	L / 999	5	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-60 lbs	750 lbs	0 lbs	-60 lbs	-60 lbs
4	HRoll		0 lbs	750 lbs	0 lbs	-60 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-9-13	19-9-12

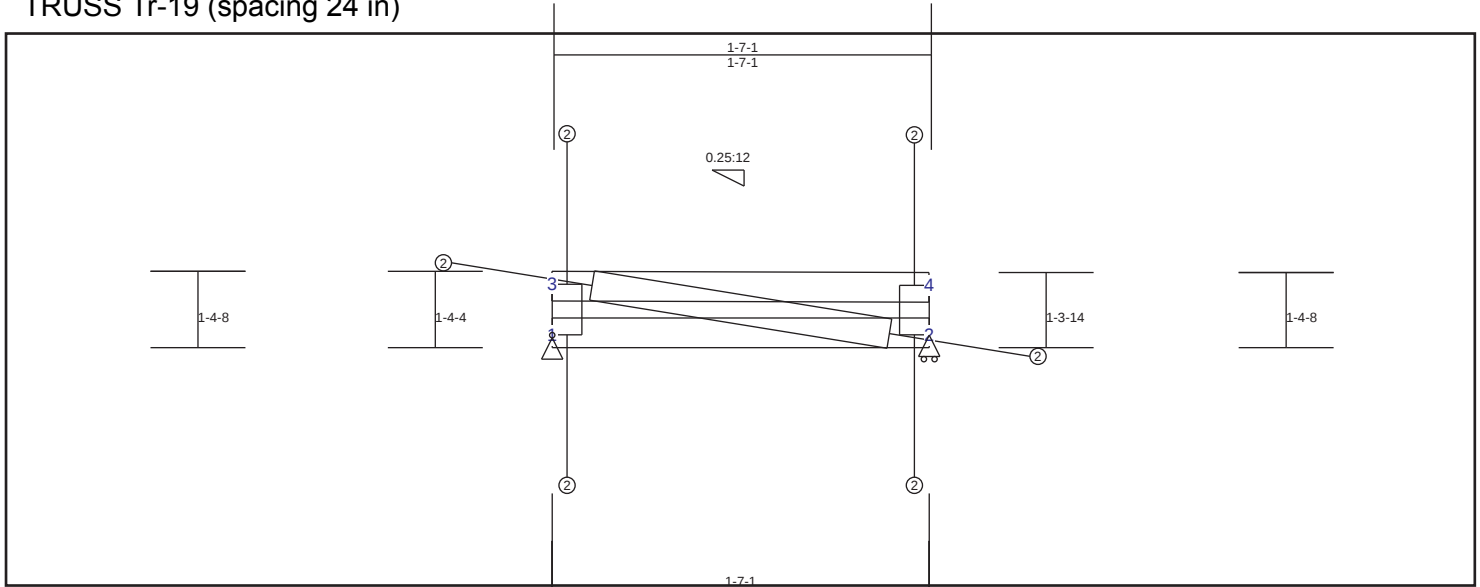
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
5-8	0.53	-775 lbs	-775 lbs	1-7	0.45	771 lbs	-490 lbs	1-5	0.13	-766 lbs	-766 lbs
8-10	0.41	-1432 lbs	-1432 lbs	7-9	0.45	1430 lbs	-891 lbs	7-8	0.14	-844 lbs	-844 lbs
10-12	0.44	-1942 lbs	-1942 lbs	9-11	0.32	1939 lbs	-1201 lbs	9-10	0.10	-622 lbs	-622 lbs
12-14	0.47	-2297 lbs	-2297 lbs	11-13	0.32	2295 lbs	-1417 lbs	11-12	0.08	-482 lbs	-482 lbs
14-16	0.49	-2481 lbs	-2481 lbs	13-15	0.32	2479 lbs	-1528 lbs	13-14	0.05	-321 lbs	-321 lbs
16-18	0.47	-2483 lbs	-2483 lbs	15-17	0.30	2481 lbs	-1528 lbs	15-16	0.02	-150 lbs	-150 lbs
18-20	0.49	-2483 lbs	-2483 lbs	17-19	0.33	2481 lbs	-1528 lbs	17-18	0.02	-149 lbs	-149 lbs
20-22	0.46	-2287 lbs	-2287 lbs	19-21	0.33	2281 lbs	-1405 lbs	19-20	0.05	-330 lbs	-330 lbs
22-24	0.43	-1874 lbs	-1874 lbs	21-23	0.37	1865 lbs	-1150 lbs	21-22	0.08	-501 lbs	-501 lbs
24-25	0.38	-1212 lbs	-1212 lbs	2-23	0.37	1200 lbs	-743 lbs	23-24	0.12	-702 lbs	-702 lbs
6-25	0.45	-369 lbs	-369 lbs	3-4	0.84	376 lbs	-242 lbs	2-3	0.42	-16 lbs	-16 lbs
								3-25	0.78	-1047 lbs	-1047 lbs
								4-6	0.10	-652 lbs	-652 lbs
								5-7	0.12	1115 lbs	-679 lbs
								8-9	0.10	924 lbs	-562 lbs
								10-11	0.07	705 lbs	-429 lbs
								12-13	0.05	486 lbs	-295 lbs
								14-15	0.03	249 lbs	-151 lbs
								15-18	0.00	8 lbs	-4 lbs
								17-20	0.03	260 lbs	-160 lbs
								19-22	0.05	535 lbs	-328 lbs
								21-24	0.09	846 lbs	-518 lbs
								23-25	0.11	1085 lbs	-664 lbs
								3-6	0.10	1010 lbs	-609 lbs

TRUSS Tr-19 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicated at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.08 (3 - 4)	TL(V): 0 in.	L / 999	3	L / 240
BC : 0.02 (1 - 2)	LL(V): 0 in.	L / 999	3	L / 360
Web : 0.04 (1 - 3)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: 0 in.		3	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-40 lbs	60 lbs	0 lbs	0 lbs	-40 lbs
2	HRoll		0 lbs	60 lbs	0 lbs	-20 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Sheathing			

Truss Dimensions

Max Height	Max Width
1-4-8	1-7-1

Material Design Pass

Member Forces Summary

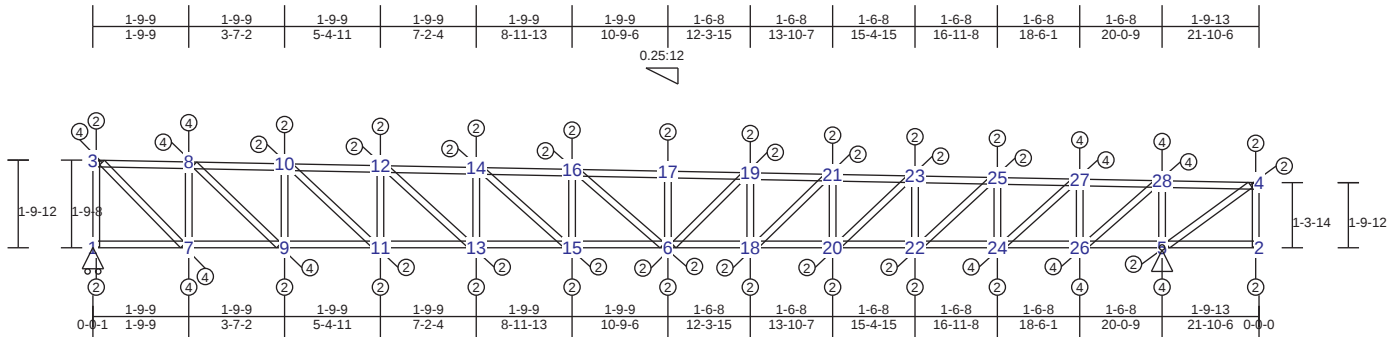
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
3-4	0.08	-27 lbs	-27 lbs	1-2	0.02	-57 lbs	-57 lbs	1-3	0.04	-55 lbs	-55 lbs
								2-4	0.03	-55 lbs	-55 lbs
								2-3	0.01	-49 lbs	-49 lbs

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

TRUSS Tr-20 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L /	(Loc)	Max. Allowed
TC : 0.53 (3 - 8)	TL(V): 0 in.	L / 999	(25-27)	L / 240
BC : 0.46 (1 - 7)	LL(V): 0 in.	L / 999	(25-27)	L / 360
Web : 0.15 (5 - 28)	DL(V): 0 in.	L / 999	(16-17)	L / 0
	Cant / OH TL: 0 in.	2L / 1	28	2L / 360
	Cant / OH LL: 0 in.	2L / 1	28	2L / 360
	Horiz TL: -0.02 in.		28	
	Web :			
	Snow/Wind 0 in.	L / 999	(25-27)	L / 360
	Cant (Snow/Wind) 0 in.	L / 1	28	L / 360

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	750 lbs	0 lbs	-60 lbs	0 lbs
5	Pin		-60 lbs	900 lbs	0 lbs	-70 lbs	-60 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Material Exceptions

Section	Material	Bracing
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Truss Dimensions

Max Height	Max Width
1-9-13	21-10-6

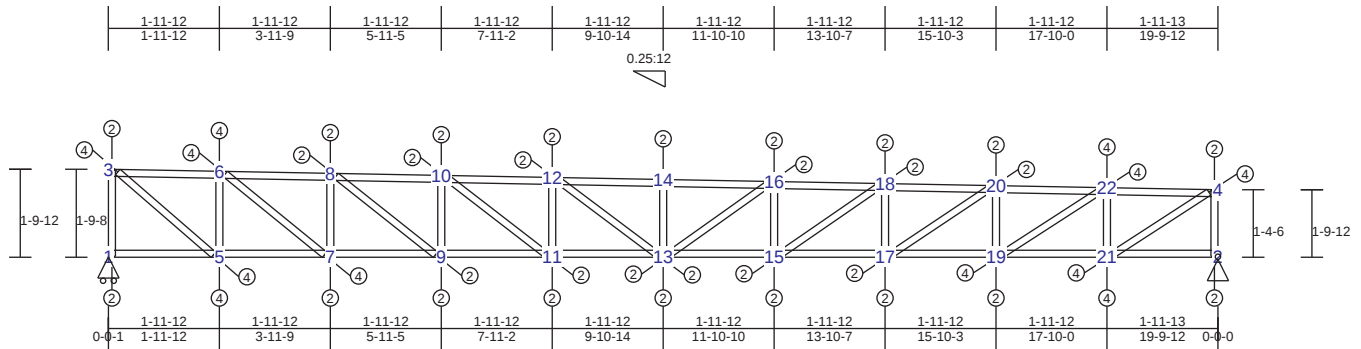
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
3-8	0.53	-729 lbs	-729 lbs	1-7	0.46	725 lbs	-181 lbs	1-3	0.13	-773 lbs	-773 lbs	26-28	0.11	1103 lbs	-283 lbs
8-10	0.41	-1362 lbs	-1362 lbs	7-9	0.46	1359 lbs	-343 lbs	7-8	0.14	-868 lbs	-868 lbs	4-5	0.01	-54 lbs	-54 lbs
10-12	0.42	-1866 lbs	-1866 lbs	9-11	0.32	1864 lbs	-472 lbs	9-10	0.11	-651 lbs	-651 lbs				
12-14	0.46	-2240 lbs	-2240 lbs	11-13	0.32	2237 lbs	-567 lbs	11-12	0.09	-520 lbs	-520 lbs				
14-16	0.48	-2468 lbs	-2468 lbs	13-15	0.32	2466 lbs	-626 lbs	13-14	0.06	-369 lbs	-369 lbs				
16-17	0.49	-2540 lbs	-2540 lbs	6-15	0.31	2538 lbs	-643 lbs	15-16	0.04	-214 lbs	-214 lbs				
17-19	0.47	-2540 lbs	-2540 lbs	6-18	0.31	2538 lbs	-643 lbs	6-17	0.02	-131 lbs	-131 lbs				
19-21	0.47	-2469 lbs	-2469 lbs	18-20	0.33	2466 lbs	-625 lbs	18-19	0.03	-205 lbs	-205 lbs				
21-23	0.45	-2270 lbs	-2270 lbs	20-22	0.33	2263 lbs	-572 lbs	20-21	0.06	-353 lbs	-353 lbs				
23-25	0.41	-1926 lbs	-1926 lbs	22-24	0.32	1917 lbs	-483 lbs	22-23	0.08	-500 lbs	-500 lbs				
25-27	0.38	-1434 lbs	-1434 lbs	24-26	0.43	1422 lbs	-356 lbs	24-25	0.11	-651 lbs	-651 lbs				
27-28	0.42	-762 lbs	-762 lbs	5-26	0.43	747 lbs	-182 lbs	26-27	0.13	-818 lbs	-818 lbs				
4-28	0.42	44 lbs	-21 lbs	2-5	0.02	-65 lbs	-65 lbs	5-28	0.15	-884 lbs	-884 lbs				
								2-4	0.02	0 lbs	0 lbs				
								3-7	0.11	1099 lbs	-281 lbs				
								8-9	0.09	928 lbs	-237 lbs				
								10-11	0.07	729 lbs	-186 lbs				
								12-13	0.05	533 lbs	-136 lbs				
								14-15	0.03	323 lbs	-82 lbs				
								6-16	0.01	100 lbs	-25 lbs				
								6-19	0.01	108 lbs	-28 lbs				
								18-21	0.03	298 lbs	-77 lbs				
								20-23	0.05	503 lbs	-130 lbs				
								22-25	0.07	711 lbs	-183 lbs				
								24-27	0.09	955 lbs	-246 lbs				

TRUSS Tr-21 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. MAX CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L /	(Loc)	Max. Allowed
TC : 0.53 (22 - 4)	TL(V): 0 in.	L / 999	(20-22)	L / 240
BC : 0.45 (1 - 5)	LL(V): 0 in.	L / 999	(20-22)	L / 360
Web : 0.14 (5 - 6)	DL(V): 0 in.	L / 999	(12-14)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: -0.02 in.		4	
	Web :			
	Snow/Wind 0 in.	L / 999	(20-22)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- This Truss has been designed in accordance with LRFD 2016.
- This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- Snow Criteria: None
- For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	750 lbs	0 lbs	-60 lbs	0 lbs
2	Pin		-60 lbs	750 lbs	0 lbs	-60 lbs	-60 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-9-13	19-9-12

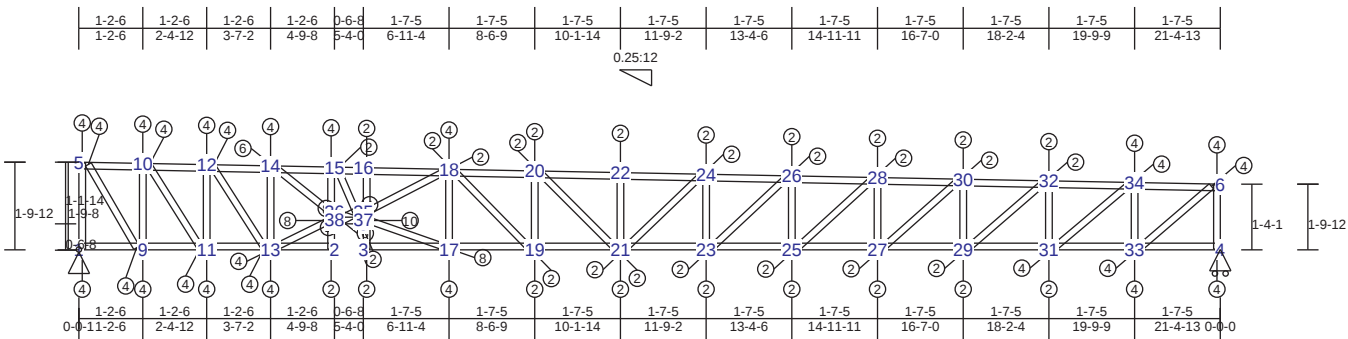
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
3-6	0.53	-796 lbs	-796 lbs	1-5	0.45	792 lbs	-472 lbs	1-3	0.13	-765 lbs	-765 lbs
6-8	0.41	-1466 lbs	-1466 lbs	5-7	0.45	1463 lbs	-880 lbs	5-6	0.14	-838 lbs	-838 lbs
8-10	0.44	-1979 lbs	-1979 lbs	7-9	0.32	1976 lbs	-1191 lbs	7-8	0.10	-613 lbs	-613 lbs
10-12	0.47	-2327 lbs	-2327 lbs	9-11	0.32	2325 lbs	-1403 lbs	9-10	0.08	-469 lbs	-469 lbs
12-14	0.49	-2494 lbs	-2494 lbs	11-13	0.32	2492 lbs	-1503 lbs	11-12	0.05	-303 lbs	-303 lbs
14-16	0.48	-2494 lbs	-2494 lbs	13-15	0.30	2492 lbs	-1503 lbs	13-14	0.03	-154 lbs	-154 lbs
16-18	0.49	-2465 lbs	-2465 lbs	15-17	0.33	2462 lbs	-1483 lbs	15-16	0.03	-180 lbs	-180 lbs
18-20	0.47	-2224 lbs	-2224 lbs	17-19	0.33	2218 lbs	-1332 lbs	17-18	0.06	-367 lbs	-367 lbs
20-22	0.41	-1750 lbs	-1750 lbs	19-21	0.42	1740 lbs	-1039 lbs	19-20	0.09	-532 lbs	-532 lbs
4-22	0.53	-1014 lbs	-1014 lbs	2-21	0.42	1000 lbs	-585 lbs	21-22	0.13	-789 lbs	-789 lbs
								2-4	0.13	-762 lbs	-762 lbs
								3-5	0.12	1127 lbs	-686 lbs
								6-7	0.10	926 lbs	-563 lbs
								8-9	0.07	699 lbs	-424 lbs
								10-11	0.05	470 lbs	-284 lbs
								12-13	0.02	222 lbs	-133 lbs
								13-16	0.00	38 lbs	-25 lbs
								15-18	0.03	314 lbs	-194 lbs
								17-20	0.06	606 lbs	-372 lbs
								19-22	0.10	927 lbs	-568 lbs
								4-21	0.13	1253 lbs	-768 lbs

TRUSS Tr-22 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC :	TL(V): 0 in.	L / 999	5	L / 240
BC :	LL(V): 0 in.	L / 999	5	L / 360
Web :	DL(V): 0 in.	L / 999	5	L / 0
	Cant / OH TL: 0 in.	2L / 0	5	2L / 240
	Cant / OH LL: 0 in.	2L / 0	5	2L / 240
	Horiz TL: 0.04 in.		5	
	Web :			
	Snow/Wind 0 in.	L / 999	5	L / 360
	Cant (Snow/Wind) 0 in.	L / 0	5	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4)Snow Criteria: None
- 5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-10 lbs	810 lbs	0 lbs	-50 lbs	-10 lbs
4	HRoll		0 lbs	810 lbs	0 lbs	-60 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-9-13	21-4-14

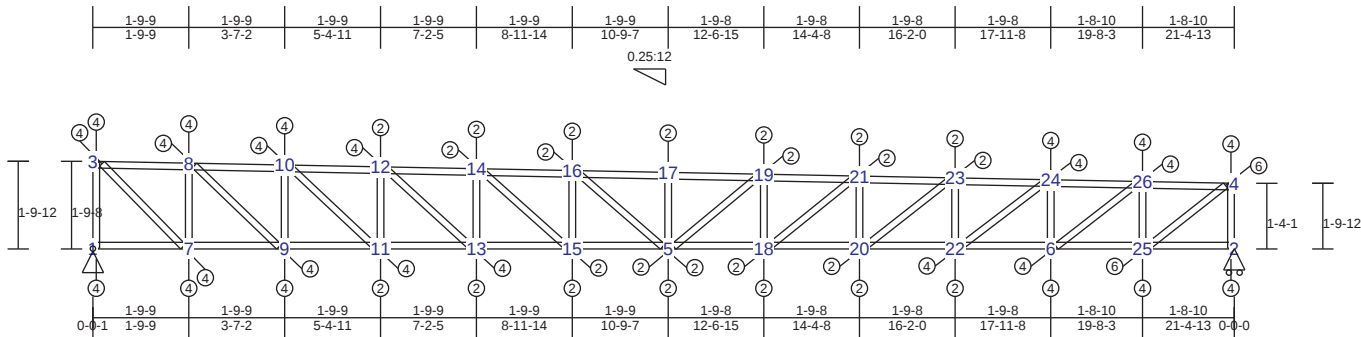
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
5-10	0.59	-522 lbs	-522 lbs	1-9	0.54	517 lbs	-345 lbs	1-5	0.14	-849 lbs	-849 lbs	18-19	0.05	437 lbs	-273 lbs
10-12	0.47	-1025 lbs	-1025 lbs	9-11	0.54	1022 lbs	-671 lbs	9-10	0.18	-1072 lbs	-1072 lbs	20-21	0.03	260 lbs	-165 lbs
12-14	0.60	-1481 lbs	-1481 lbs	11-13	0.43	1477 lbs	-929 lbs	11-12	0.14	-837 lbs	-837 lbs	21-24	0.01	-69 lbs	-69 lbs
14-15	0.74	-2909 lbs	-2909 lbs	2-13	0.43	1477 lbs	-929 lbs	13-14	0.22	-1328 lbs	-1328 lbs	23-26	0.02	127 lbs	-102 lbs
15-16	0.64	-3103 lbs	-3103 lbs	3-17	0.44	2440 lbs	-1445 lbs	17-18	0.14	-856 lbs	-856 lbs	25-28	0.03	336 lbs	-198 lbs
16-18	0.62	-3103 lbs	-3103 lbs	17-19	0.44	2729 lbs	-1625 lbs	19-20	0.05	-301 lbs	-301 lbs	27-30	0.06	555 lbs	-331 lbs
18-20	0.57	-2731 lbs	-2731 lbs	19-21	0.35	2902 lbs	-1735 lbs	21-22	0.02	-131 lbs	-131 lbs	29-32	0.08	779 lbs	-468 lbs
20-22	0.56	-2904 lbs	-2904 lbs	21-23	0.37	2950 lbs	-1769 lbs	23-24	0.01	-70 lbs	-70 lbs	31-34	0.10	1033 lbs	-623 lbs
22-24	0.53	-2952 lbs	-2952 lbs	23-25	0.37	2950 lbs	-1769 lbs	25-26	0.04	-230 lbs	-230 lbs	6-33	0.13	1263 lbs	-763 lbs
24-26	0.56	-2952 lbs	-2952 lbs	25-27	0.37	2861 lbs	-1719 lbs	27-28	0.06	-376 lbs	-376 lbs	14-36	0.19	1910 lbs	-1130 lbs
26-28	0.55	-2865 lbs	-2865 lbs	27-29	0.37	2625 lbs	-1580 lbs	29-30	0.09	-534 lbs	-534 lbs	18-35	0.09	760 lbs	-563 lbs
28-30	0.52	-2632 lbs	-2632 lbs	29-31	0.37	2230 lbs	-1344 lbs	31-32	0.11	-674 lbs	-674 lbs	8-17	0.24	2371 lbs	-1408 lbs
30-32	0.47	-2240 lbs	-2240 lbs	31-33	0.49	1669 lbs	-1007 lbs	33-34	0.15	-921 lbs	-921 lbs	7-13	0.14	1299 lbs	-841 lbs
32-34	0.42	-1681 lbs	-1681 lbs	4-33	0.49	914 lbs	-552 lbs	4-6	0.14	-831 lbs	-831 lbs				
6-34	0.57	-930 lbs	-930 lbs					3-8	0.23	-29 lbs	-29 lbs				
								8-35	0.52	284 lbs	-232 lbs				
								16-35	0.31	284 lbs	-232 lbs				
								2-7	0.40	6 lbs	-6 lbs				
								7-36	0.97	-792 lbs	-792 lbs				
								15-36	0.21	-792 lbs	-792 lbs				
								7-8	0.57	3101 lbs	-1820 lbs				
								5-9	0.13	1119 lbs	-790 lbs				
								10-11	0.11	1026 lbs	-662 lbs				
								12-13	0.09	913 lbs	-546 lbs				
								8-15	0.07	703 lbs	-432 lbs				

TRUSS Tr-23 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.70 (26 - 4)	TL(V): 0 in.	L / 999	3	L / 240
BC : 0.59 (6 - 25)	LL(V): 0 in.	L / 999	3	L / 360
Web : 0.18 (25 - 26)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 0	3	2L / 240
	Cant / OH LL: 0 in.	2L / 0	3	2L / 240
	Horiz TL: 0.04 in.		3	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 0	3	L / 360

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4)Snow Criteria: None
- 5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-60 lbs	890 lbs	0 lbs	-70 lbs	-60 lbs
2	HRoll		0 lbs	990 lbs	0 lbs	-80 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-9-13	21-4-14

Material Design Pass

Point Loads

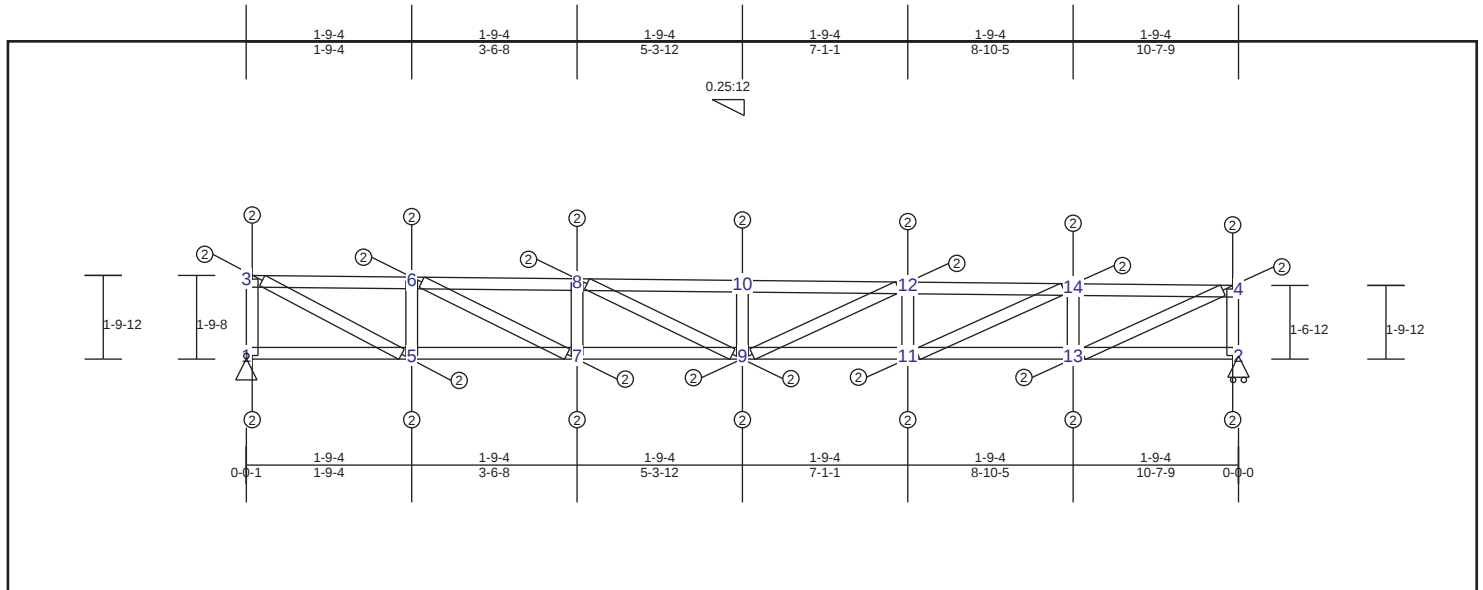
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB6-24	1-3-10	1-3-10	Concentrated	Dead	Down	Global	64 lbs	64 lbs	0 in.
WB5-17	1-5-8	1-5-8	Concentrated	Dead	Down	Global	64 lbs	64 lbs	0 in.
WB6-24	1-3-10	1-3-10	Concentrated	Live	Down	Global	72 lbs	72 lbs	0 in.
WB5-17	1-5-8	1-5-8	Concentrated	Live	Down	Global	72 lbs	72 lbs	0 in.
WB6-24	1-3-10	1-3-10	Concentrated	Wind	Up	Global	-76 lbs	-76 lbs	0 in.
WB5-17	1-5-8	1-5-8	Concentrated	Wind	Up	Global	-75 lbs	-75 lbs	0 in.
WB6-24	1-3-10	1-3-10	Concentrated	Wind	Up	Global	-76 lbs	-76 lbs	0 in.
WB5-17	1-5-8	1-5-8	Concentrated	Wind	Up	Global	-75 lbs	-75 lbs	0 in.
WB6-24	1-3-10	1-3-10	Concentrated	Wind	Down	Global	29 lbs	29 lbs	0 in.
WB5-17	1-5-8	1-5-8	Concentrated	Wind	Down	Global	29 lbs	29 lbs	0 in.

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord			Bot Chord			Web			Web		
3-8	0.64	-880 lbs	1-7	0.56	876 lbs	1-3	0.15	-922 lbs	10-11	0.10	976 lbs
8-10	0.50	-1677 lbs	7-9	0.56	1675 lbs	7-8	0.17	-1048 lbs	12-13	0.08	789 lbs
10-12	0.53	-2353 lbs	9-11	0.42	2350 lbs	9-10	0.14	-823 lbs	14-15	0.06	591 lbs
12-14	0.59	-2906 lbs	11-13	0.44	2903 lbs	11-12	0.12	-700 lbs	5-16	0.04	370 lbs
14-16	0.64	-3325 lbs	13-15	0.45	3323 lbs	13-14	0.09	-551 lbs	5-19	0.01	68 lbs
16-17	0.69	-3591 lbs	5-15	0.45	3589 lbs	15-16	0.07	-405 lbs	18-21	0.03	317 lbs
17-19	0.67	-3591 lbs	5-18	0.45	3589 lbs	5-17	0.05	-281 lbs	20-23	0.06	569 lbs
19-21	0.67	-3542 lbs	18-20	0.45	3538 lbs	18-19	0.03	-190 lbs	22-24	0.08	844 lbs
21-23	0.64	-3309 lbs	20-22	0.45	3303 lbs	20-21	0.06	-365 lbs	6-26	0.13	1341 lbs
23-24	0.59	-2884 lbs	22-23	0.44	2874 lbs	22-23	0.09	-532 lbs	4-25	0.16	1616 lbs
24-26	0.53	-2243 lbs	6-25	0.59	2230 lbs	6-24	0.14	-834 lbs			
4-26	0.70	-1235 lbs	2-25	0.59	1215 lbs	25-26	0.18	-1121 lbs			
						2-4	0.17	-1018 lbs			
						3-7	0.13	1327 lbs			
						8-9	0.12	1169 lbs			

TRUSS Tr-24 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. MAX CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC: 0.28 (3 - 6)	TL(V): 0 in.	L / 999	3	L / 240
BC: 0.23 (1 - 5)	LL(V): 0 in.	L / 999	3	L / 360
Web: 0.07 (1 - 3)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: 0 in.		3	
Web:				
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

1) This Truss has been designed in accordance with LRFD 2016.

2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf

3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.

4) Snow Criteria: None

5) For Wall Truss when sheathed $L_y = 12$ inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-60 lbs	400 lbs	0 lbs	-30 lbs	-60 lbs
2	HRoll		0 lbs	400 lbs	0 lbs	-40 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-9-13	10-7-10

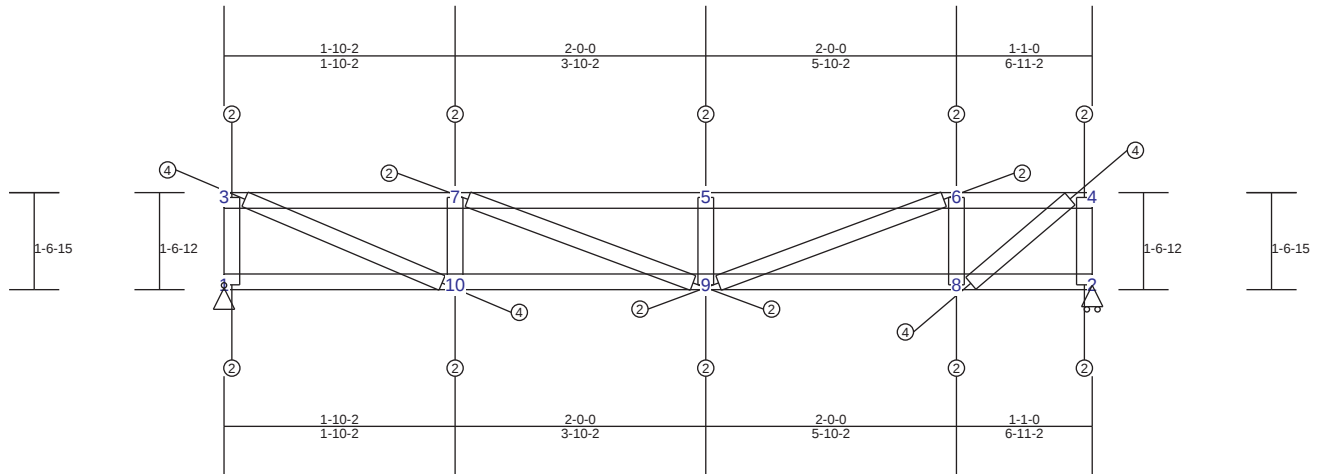
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord			Bot Chord			Web						
3-6	0.28	-355 lbs		1-5	0.23	352 lbs	-271 lbs	1-3	0.07	-409 lbs	-409 lbs	
6-8	0.21	-585 lbs			5-7	0.23	583 lbs	-407 lbs	5-6	0.07	-428 lbs	-428 lbs
8-10	0.17	-673 lbs			7-9	0.11	672 lbs	-456 lbs	7-8	0.04	-228 lbs	-228 lbs
10-12	0.17	-673 lbs			9-11	0.10	672 lbs	-456 lbs	9-10	0.02	-141 lbs	-141 lbs
12-14	0.21	-616 lbs			11-13	0.22	613 lbs	-415 lbs	11-12	0.03	-195 lbs	-195 lbs
4-14	0.28	-396 lbs			2-13	0.22	389 lbs	-274 lbs	13-14	0.07	-408 lbs	-408 lbs
									2-4	0.07	-408 lbs	-408 lbs
									3-5	0.05	539 lbs	-322 lbs
									6-7	0.03	341 lbs	-201 lbs
									8-9	0.01	129 lbs	-72 lbs
									9-12	0.01	83 lbs	-58 lbs
									11-14	0.03	314 lbs	-199 lbs
									4-13	0.06	551 lbs	-344 lbs

TRUSS Tr-25 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. MAX CSF calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	(Loc)	Max. Allowed
TC: 0.45 (6 - 4)	TL(V): 0 in.	L / 999	L / 240
BC: 0.38 (9 - 8)	LL(V): 0 in.	L / 999	L / 360
Web: 0.12 (8 - 6)	DL(V): 0 in.	L / 999	L / 0
	Cant / OH TL: 0 in.	2L / 999	2L / 0
	Cant / OH LL: 0 in.	2L / 999	2L / 0
	Horiz TL: 0 in.	3	
Web:			
Snow/Wind 0 in.	L / 999	3	L / 360
Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-50 lbs	530 lbs	0 lbs	0 lbs	-50 lbs
2	HRoll		0 lbs	600 lbs	0 lbs	-10 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-7-1	6-11-2

Material Design Pass

Point Loads

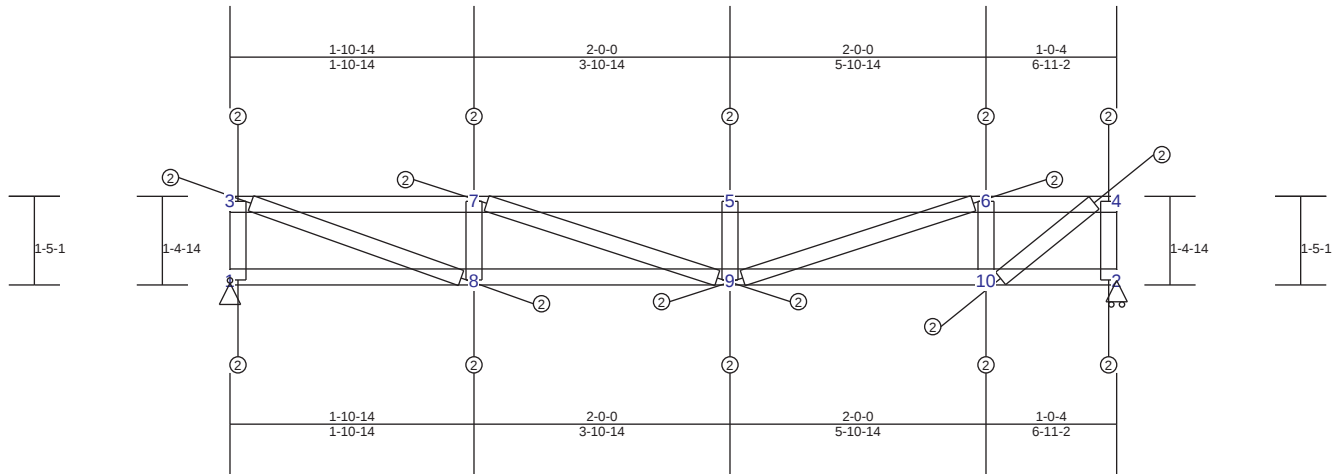
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB7-10	1-5-7	1-5-7	Concentrated	Dead	Down	Global	98 lbs	98 lbs	0 in.
WB5-9	1-5-7	1-5-7	Concentrated	Dead	Down	Global	98 lbs	98 lbs	0 in.
WB6-8	1-5-7	1-5-7	Concentrated	Dead	Down	Global	98 lbs	98 lbs	0 in.
WB7-10	1-5-7	1-5-7	Concentrated	Live	Down	Global	110 lbs	110 lbs	0 in.
WB5-9	1-5-7	1-5-7	Concentrated	Live	Down	Global	110 lbs	110 lbs	0 in.
WB6-8	1-5-7	1-5-7	Concentrated	Live	Down	Global	110 lbs	110 lbs	0 in.
WB7-10	1-5-7	1-5-7	Concentrated	Wind	Up	Global	-116 lbs	-116 lbs	0 in.
WB5-9	1-5-7	1-5-7	Concentrated	Wind	Up	Global	-116 lbs	-116 lbs	0 in.
WB6-8	1-5-7	1-5-7	Concentrated	Wind	Up	Global	-116 lbs	-116 lbs	0 in.
WB7-10	1-5-7	1-5-7	Concentrated	Wind	Up	Global	-116 lbs	-116 lbs	0 in.
WB5-9	1-5-7	1-5-7	Concentrated	Wind	Up	Global	-116 lbs	-116 lbs	0 in.
WB6-8	1-5-7	1-5-7	Concentrated	Wind	Up	Global	-116 lbs	-116 lbs	0 in.
WB7-10	1-5-7	1-5-7	Concentrated	Wind	Down	Global	44 lbs	44 lbs	0 in.
WB5-9	1-5-7	1-5-7	Concentrated	Wind	Down	Global	44 lbs	44 lbs	0 in.
WB6-8	1-5-7	1-5-7	Concentrated	Wind	Down	Global	44 lbs	44 lbs	0 in.

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord			Bot Chord			Web			Web		
3-7	0.38	-576 lbs	-576 lbs	1-10	0.30	576 lbs	-551 lbs	4-8	0.09	857 lbs	-482 lbs
5-7	0.24	-741 lbs	-741 lbs	9-10	0.30	741 lbs	-655 lbs	6-9	0.04	445 lbs	-243 lbs
5-6	0.23	-741 lbs	-741 lbs	8-10	0.38	741 lbs	-554 lbs	7-9	0.02	214 lbs	-139 lbs
4-6	0.45	-399 lbs	-399 lbs	2-8	0.38	399 lbs	-232 lbs	3-10	0.08	794 lbs	-474 lbs

TRUSS Tr-26 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. MAX CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	Lj	(Loc)	Max. Allowed
TC: 0.27 (6 - 4)	TL(V): 0 in.	L / 999	3	L / 240
BC: 0.23 (9 - 10)	LL(V): 0 in.	L / 999	3	L / 360
Web: 0.07 (10 - 6)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: 0 in.		3	
Web:				
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-40 lbs	340 lbs	0 lbs	0 lbs	-40 lbs
2	HRoll		0 lbs	370 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-5-3	6-11-2

Material Design Pass

Point Loads

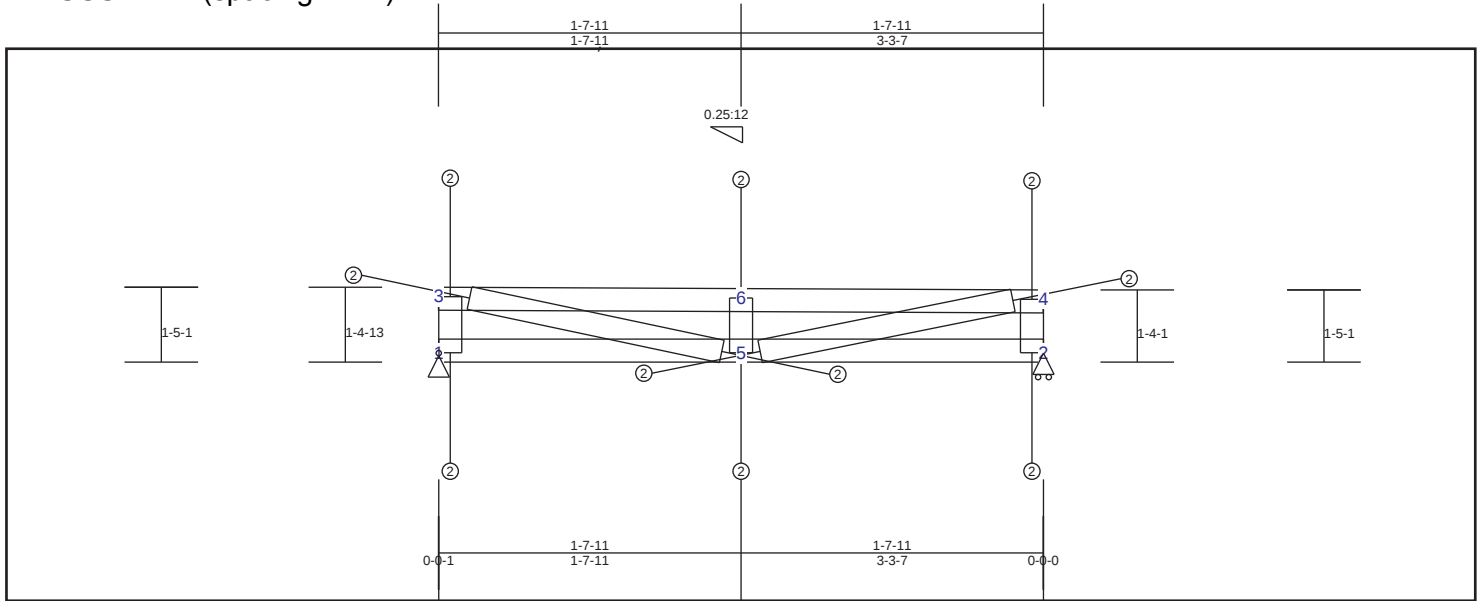
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB6-10	1-3-9	1-3-9	Concentrated	Dead	Down	Global	30 lbs	30 lbs	0 in.
WB5-9	1-3-9	1-3-9	Concentrated	Dead	Down	Global	30 lbs	30 lbs	0 in.
WB7-8	1-3-9	1-3-9	Concentrated	Dead	Down	Global	30 lbs	30 lbs	0 in.
WB6-10	1-3-9	1-3-9	Concentrated	Live	Down	Global	34 lbs	34 lbs	0 in.
WB5-9	1-3-9	1-3-9	Concentrated	Live	Down	Global	34 lbs	34 lbs	0 in.
WB7-8	1-3-9	1-3-9	Concentrated	Live	Down	Global	34 lbs	34 lbs	0 in.
WB6-10	1-3-9	1-3-9	Concentrated	Wind	Up	Global	-36 lbs	-36 lbs	0 in.
WB5-9	1-3-9	1-3-9	Concentrated	Wind	Up	Global	-36 lbs	-36 lbs	0 in.
WB7-8	1-3-9	1-3-9	Concentrated	Wind	Up	Global	-36 lbs	-36 lbs	0 in.
WB6-10	1-3-9	1-3-9	Concentrated	Wind	Up	Global	-36 lbs	-36 lbs	0 in.
WB5-9	1-3-9	1-3-9	Concentrated	Wind	Up	Global	-36 lbs	-36 lbs	0 in.
WB7-8	1-3-9	1-3-9	Concentrated	Wind	Up	Global	-36 lbs	-36 lbs	0 in.
WB6-10	1-3-9	1-3-9	Concentrated	Wind	Down	Global	14 lbs	14 lbs	0 in.
WB5-9	1-3-9	1-3-9	Concentrated	Wind	Down	Global	14 lbs	14 lbs	0 in.
WB7-8	1-3-9	1-3-9	Concentrated	Wind	Down	Global	14 lbs	14 lbs	0 in.

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
3-7	0.24	-396 lbs	-396 lbs	1-8	0.18	396 lbs	-226 lbs	1-3	0.06	-350 lbs	-350 lbs	3-8	0.05	511 lbs	-316 lbs
5-7	0.19	-494 lbs	-494 lbs	8-9	0.18	494 lbs	-270 lbs	2-4	0.07	-400 lbs	-400 lbs	7-9	0.01	122 lbs	-85 lbs
5-6	0.17	-494 lbs	-494 lbs	9-10	0.23	494 lbs	-270 lbs	6-10	0.07	-453 lbs	-453 lbs	6-9	0.03	302 lbs	-167 lbs
4-6	0.27	-252 lbs	-252 lbs	2-10	0.23	252 lbs	-143 lbs	5-9	0.04	-217 lbs	-217 lbs	4-10	0.05	528 lbs	-303 lbs
								7-8	0.05	-327 lbs	-327 lbs				

TRUSS Tr-27 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC: 0.10 (3 - 6)	TL(V): 0 in.	L / 999	3	L / 240
BC: 0.06 (1 - 5)	LL(V): 0 in.	L / 999	3	L / 360
Web: 0.04 (1 - 3)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: 0 in.		3	
	Web:			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-40 lbs	120 lbs	0 lbs	0 lbs	-40 lbs
2	HRoll		0 lbs	120 lbs	0 lbs	-20 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
1-5-2	3-3-7

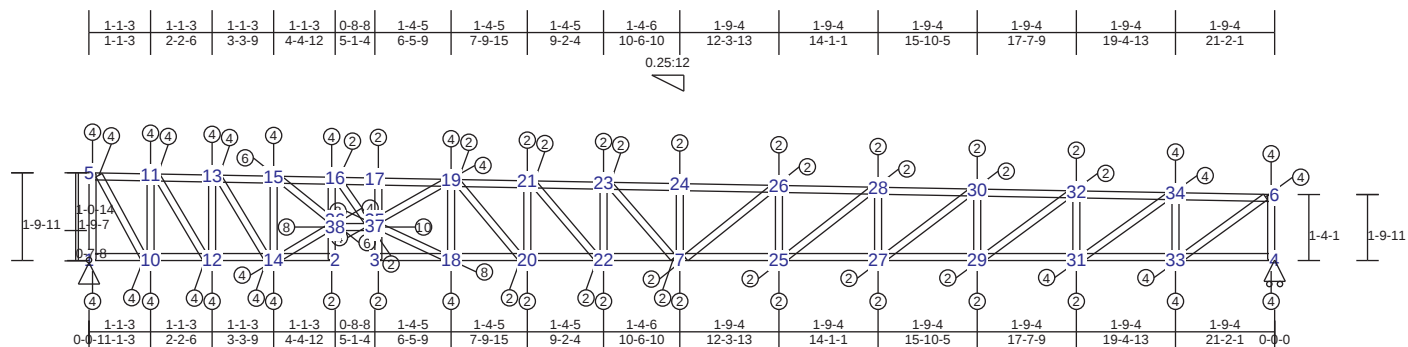
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord	Member Id	CSI	Max Axial Force	Max Comp. Force
3-6	0.10	-87 lbs	-87 lbs	-87 lbs
4-6	0.10	-87 lbs	-87 lbs	-87 lbs
Bot Chord	Member Id	CSI	Max Axial Force	Max Comp. Force
1-5	0.06	-93 lbs	-93 lbs	-93 lbs
2-5	0.06	-93 lbs	-93 lbs	-93 lbs
Web	Member Id	CSI	Max Axial Force	Max Comp. Force
1-3	0.04	-118 lbs	-118 lbs	-118 lbs
5-6	0.03	-164 lbs	-164 lbs	-164 lbs
2-4	0.04	-118 lbs	-118 lbs	-118 lbs
3-5	0.01	118 lbs	118 lbs	118 lbs
4-5	0.02	116 lbs	116 lbs	116 lbs

TRUSS Tr-29 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. MAX CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L (in)	Deflection (in)	Max. Allowed
TC : 0.80 (15 - 16)	TL(V) : 0 in.	L / 999	5	L / 240
BC : 0.56 (3 - 18)	LL(V) : 0 in.	L / 999	5	L / 360
Web : 0.95 (8 - 36)	DL(V) : 0 in.	L / 999	5	L / 0
	Cant / OH TL : 0 in.	2L / 999	5	2L / 240
	Cant / OH LL : 0 in.	2L / 999	5	2L / 240
	Horiz TL : 0.04 in.		5	
	Web :			
	Snow/Wind 0 in.	L / 999	5	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	5	L / 360

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-10 lbs	800 lbs	0 lbs	-50 lbs	-10 lbs
4	HRoll		0 lbs	800 lbs	0 lbs	-60 lbs	0 lbs

Materials

Hardware Type	Material	Bracing	Material Description	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-9-12	21-2-2

Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord			Bot Chord			Web			Web					
5-11	0.59	-473 lbs	3-18	0.56	2302 lbs	1-5	0.14	-846 lbs	-846 lbs	19-20	0.05	467 lbs	-290 lbs	
11-13	0.47	-937 lbs		18-20	0.56	2573 lbs	10-11	0.18	-1098 lbs	-1098 lbs	21-22	0.03	325 lbs	-204 lbs
13-15	0.67	-1357 lbs		20-22	0.37	2765 lbs	12-13	0.14	-849 lbs	-849 lbs	7-23	0.02	184 lbs	-118 lbs
15-16	0.80	-2907 lbs		7-22	0.37	2875 lbs	14-15	0.24	-1480 lbs	-1480 lbs	7-26	0.01	-49 lbs	-49 lbs
16-17	0.64	-3230 lbs		7-25	0.34	2875 lbs	18-19	0.19	-1127 lbs	-1127 lbs	25-28	0.02	237 lbs	-143 lbs
17-19	0.65	-3237 lbs		25-27	0.36	2873 lbs	20-21	0.05	-332 lbs	-332 lbs	27-30	0.05	483 lbs	-288 lbs
19-21	0.58	-2575 lbs		27-29	0.37	2699 lbs	22-23	0.04	-266 lbs	-266 lbs	29-32	0.07	739 lbs	-443 lbs
21-23	0.54	-2767 lbs		29-31	0.37	2337 lbs	7-24	0.02	-124 lbs	-124 lbs	31-34	0.10	1025 lbs	-618 lbs
23-24	0.53	-2877 lbs		31-33	0.47	1777 lbs	25-26	0.02	-144 lbs	-144 lbs	6-33	0.13	1298 lbs	-784 lbs
24-26	0.54	-2877 lbs		4-33	0.47	991 lbs	27-28	0.05	-309 lbs	-309 lbs	15-36	0.21	2121 lbs	-1250 lbs
26-28	0.55	-2876 lbs		1-10	0.55	468 lbs	29-30	0.08	-475 lbs	-475 lbs	19-35	0.12	1119 lbs	-743 lbs
28-30	0.53	-2704 lbs		10-12	0.55	934 lbs	31-32	0.10	-628 lbs	-628 lbs	9-18	0.24	2375 lbs	-1408 lbs
30-32	0.49	-2346 lbs		12-14	0.46	1354 lbs	33-34	0.14	-880 lbs	-880 lbs	8-14	0.14	1331 lbs	-847 lbs
32-34	0.42	-1789 lbs		2-14	0.46	1354 lbs	4-6	0.13	-819 lbs	-819 lbs				
6-34	0.56	-1006 lbs					2-8	0.34	-16 lbs	-16 lbs				
							8-36	0.95	-813 lbs	-813 lbs				
							16-36	0.19	-813 lbs	-813 lbs				
							3-9	0.24	-53 lbs	-53 lbs				
							9-35	0.61	531 lbs	-352 lbs				
							17-35	0.43	531 lbs	-352 lbs				
							8-9	0.59	3228 lbs	-1895 lbs				
							5-10	0.13	1112 lbs	-775 lbs				
							11-12	0.11	1031 lbs	-661 lbs				
							13-14	0.09	916 lbs	-548 lbs				
							9-16	0.07	729 lbs	-447 lbs				

Load Summary

1) This Truss has been designed in accordance with LRFD 2016.

2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf

3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.

4) Snow Criteria: None

5) For Wall Truss when sheathed $L_v = 12$ inches is used

[illegible]

Max CSI Summary	Deflection	L	(Loc)	Max. Allowed
TC : 0.97 (30 - 31)	TL(V): 0 in.	L / 999	7	L / 240
BC : 0.56 (9 - 29)	LL(V): 0 in.	L / 999	7	L / 360
Web : 0.99 (13 - 43)	DL(V): 0 in.	L / 999	7	L / 0
	Cant / OH TL: 0 in.	2L / 9	(19-20)	2L / 240
	Cant / OH LL: 0 in.	2L / 9	(19-20)	2L / 240
	Horiz TL: 0.06 in.		6	
	Web :			
	Snow/Wind 0 in.	L / 999	7	L / 360
	Cant (Snow/Wind) 0 in.	L / 19	(19-20)	L / 360

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-20 lbs	800 lbs	0 lbs	-80 lbs	-20 lbs
6	HRoll		0 lbs	800 lbs	0 lbs	-210 lbs	0 lbs

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

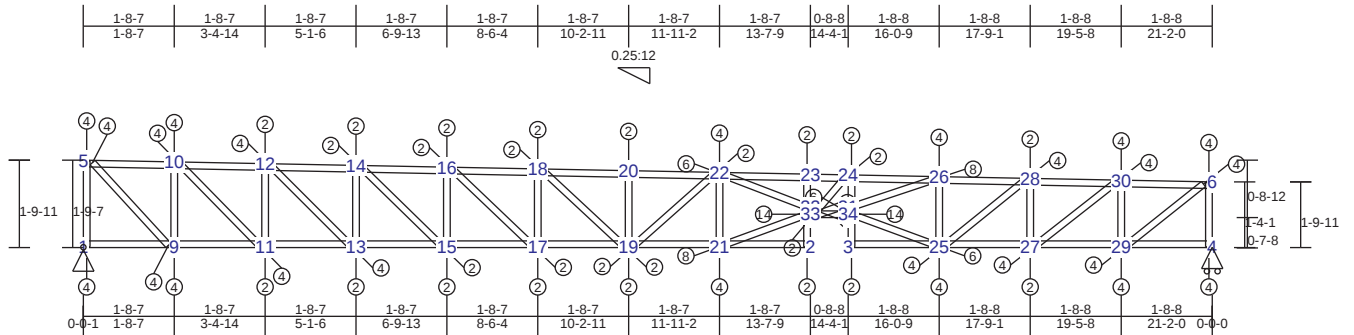
Max Height	Max Width
1-9-12	21-2-0

Member Forces Summary

Top Chord			Bot Chord		
7.15	0.50	472 lbs	472 lbs	1.14	0.55

31

TRUSS Tr-31 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.97 (22 - 23)	TL(V): 0 in.	L / 999	5	L / 240
BC : 0.57 (3 - 25)	LL(V): 0 in.	L / 999	5	L / 360
Web : 0.99 (8 - 31)	DL(V): 0 in.	L / 999	5	L / 0
	Cant / OH TL: 0 in.	2L / 0	5	2L / 240
	Cant / OH LL: 0 in.	2L / 0	5	2L / 240
	Horiz TL: 0.05 in.		4	
	Web :			
	Snow/Wind 0 in.	L / 999	5	L / 360
	Cant (Snow/Wind) 0 in.	L / 0	5	L / 360

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4)Snow Criteria: None
- 5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-20 lbs	800 lbs	0 lbs	-90 lbs	-20 lbs
4	HRoll		0 lbs	800 lbs	0 lbs	-210 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
19'-12"	21'-2-0"

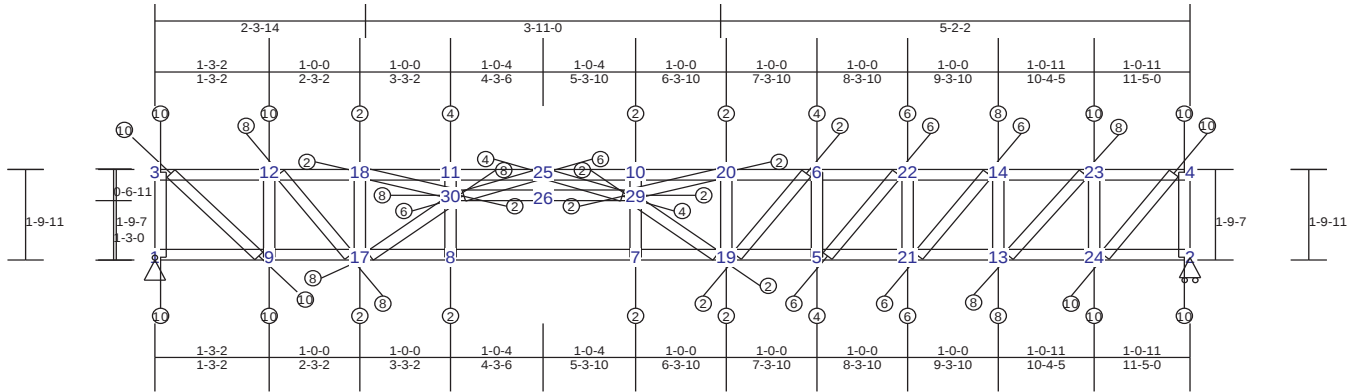
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
5-10	0.57	-739 lbs	-739 lbs	1-9	0.50	735 lbs	-469 lbs	1-5	0.14	-823 lbs	-823 lbs	18-19	0.04	243 lbs	-235 lbs
10-12	0.44	-1400 lbs	-1400 lbs	9-11	0.50	1398 lbs	-924 lbs	9-10	0.15	-939 lbs	-939 lbs	19-22	0.01	135 lbs	-64 lbs
12-14	0.45	-1947 lbs	-1947 lbs	11-13	0.36	1945 lbs	-1311 lbs	11-12	0.12	-723 lbs	-723 lbs	7-24	0.02	211 lbs	-47 lbs
14-16	0.48	-2380 lbs	-2380 lbs	13-15	0.36	2377 lbs	-1630 lbs	13-14	0.10	-603 lbs	-603 lbs	25-28	0.09	791 lbs	-575 lbs
16-18	0.53	-2689 lbs	-2689 lbs	15-17	0.38	2686 lbs	-1878 lbs	15-16	0.07	-454 lbs	-454 lbs	27-30	0.14	1010 lbs	-833 lbs
18-20	0.57	-2858 lbs	-2858 lbs	17-19	0.40	2856 lbs	-2042 lbs	17-18	0.05	-330 lbs	-330 lbs	6-29	0.19	1281 lbs	-1137 lbs
20-22	0.69	-2903 lbs	-2903 lbs	19-21	0.50	2901 lbs	-2138 lbs	19-20	0.01	-73 lbs	-73 lbs	22-32	0.31	2309 lbs	-1871 lbs
22-23	0.97	-5028 lbs	-5028 lbs	2-21	0.51	2901 lbs	-2138 lbs	21-22	0.16	-995 lbs	-995 lbs	26-31	0.35	2827 lbs	-2106 lbs
23-24	0.95	-4949 lbs	-4949 lbs	3-25	0.57	2309 lbs	-1908 lbs	25-26	0.20	-1242 lbs	-1242 lbs	21-33	0.32	2667 lbs	-1940 lbs
24-26	0.97	-4962 lbs	-4962 lbs	25-27	0.57	2309 lbs	-1908 lbs	27-28	0.10	-615 lbs	-615 lbs	8-25	0.28	1986 lbs	-1674 lbs
26-28	0.66	-2333 lbs	-2333 lbs	27-29	0.48	1720 lbs	-1480 lbs	29-30	0.15	-896 lbs	-896 lbs				
28-30	0.42	-1732 lbs	-1732 lbs	4-29	0.48	959 lbs	-852 lbs	4-6	0.13	-819 lbs	-819 lbs				
6-30	0.56	-975 lbs	-975 lbs					3-8	0.55	-16 lbs	-16 lbs				
								8-31	0.99	733 lbs	-636 lbs				
								24-31	0.97	733 lbs	-636 lbs				
								2-33	0.98	802 lbs	-681 lbs				
								32-33	0.98	802 lbs	-681 lbs				
								23-32	0.97	802 lbs	-681 lbs				
								7-33	0.62	4949 lbs	-3790 lbs				
								8-33	0.61	4949 lbs	-3790 lbs				
								5-9	0.13	1155 lbs	-778 lbs				
								10-11	0.12	1002 lbs	-689 lbs				
								12-13	0.10	817 lbs	-578 lbs				
								14-15	0.08	638 lbs	-471 lbs				
								16-17	0.06	450 lbs	-361 lbs				

TRUSS Tr-33 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI

Max CSI Summary		Deflection	L /	(Loc)	Max. Allowed
TC :	0.99 (3 - 12)	TL(V): 0 in.	L / 999	3	L / 240
BC :	0.98 (1 - 9)	LL(V): 0 in.	L / 999	3	L / 360
Web:	0.92 (30 - 11)	DL(V): 0 in.	L / 999	3	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: 0.02 in.		2	
		Web :			
		Snow/Wind 0 in.	L / 999	3	L / 360
		Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

- Load Summary**
- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		0 lbs	3300 lbs	0 lbs	-150 lbs	0 lbs
2	HRoll		0 lbs	3010 lbs	0 lbs	-120 lbs	0 lbs

Materials		Material Exceptions	
Type	Material	Bracing	Material
Top Chd	550S162-43(50)	Sheathing	
Bot Chd	550S162-43(50)	Sheathing	
Web	550S162-43(50)	Unbraced	

Truss Dimensions

Max Height	Max Width
1-9-13	11-5-0

Material Design Pass

Point Loads

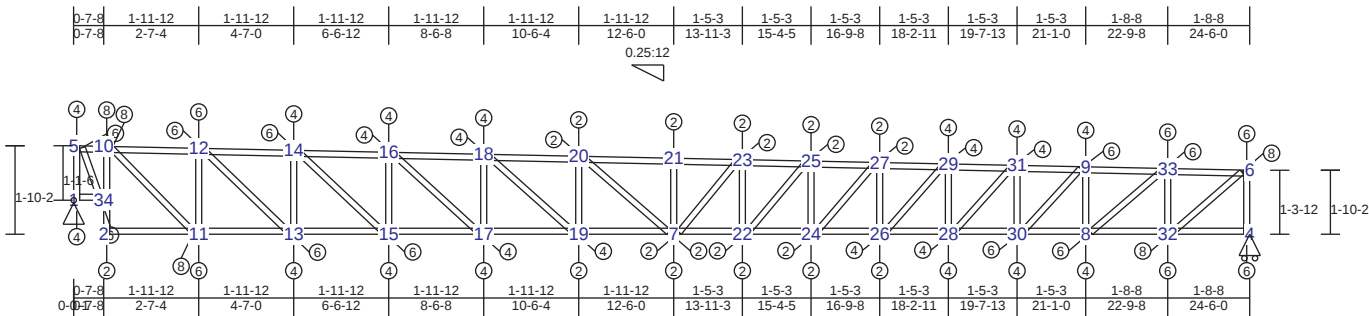
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB5-6	1-8-3	1-8-3	Concentrated	Dead	Down	Global	368 lbs	368 lbs	0 in.
WB1-3	1-8-3	1-8-3	Concentrated	Dead	Down	Global	368 lbs	368 lbs	0 in.
WB9-12	1-8-3	1-8-3	Concentrated	Dead	Down	Global	368 lbs	368 lbs	0 in.
WB8-11	1-8-3	1-8-3	Concentrated	Dead	Down	Global	368 lbs	368 lbs	0 in.
WB7-10	1-8-3	1-8-3	Concentrated	Dead	Down	Global	368 lbs	368 lbs	0 in.
WB13-14	1-8-3	1-8-3	Concentrated	Dead	Down	Global	368 lbs	368 lbs	0 in.
WB2-4	1-8-3	1-8-3	Concentrated	Dead	Down	Global	368 lbs	368 lbs	0 in.
WB5-6	1-8-3	1-8-3	Concentrated	Live	Down	Global	412 lbs	412 lbs	0 in.
WB1-3	1-8-3	1-8-3	Concentrated	Live	Down	Global	412 lbs	412 lbs	0 in.
WB9-12	1-8-3	1-8-3	Concentrated	Live	Down	Global	412 lbs	412 lbs	0 in.
WB8-11	1-8-3	1-8-3	Concentrated	Live	Down	Global	412 lbs	412 lbs	0 in.
WB7-10	1-8-3	1-8-3	Concentrated	Live	Down	Global	412 lbs	412 lbs	0 in.
WB13-14	1-8-3	1-8-3	Concentrated	Live	Down	Global	412 lbs	412 lbs	0 in.
WB2-4	1-8-3	1-8-3	Concentrated	Live	Down	Global	412 lbs	412 lbs	0 in.
WB5-6	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB1-3	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB9-12	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB8-11	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB7-10	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB13-14	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB2-4	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB5-6	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB1-3	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB9-12	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB8-11	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB7-10	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB13-14	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB2-4	1-8-3	1-8-3	Concentrated	Wind	Up	Global	-433 lbs	-433 lbs	0 in.
WB5-6	1-8-3	1-8-3	Concentrated	Wind	Down	Global	165 lbs	165 lbs	0 in.
WB1-3	1-8-3	1-8-3	Concentrated	Wind	Down	Global	165 lbs	165 lbs	0 in.
WB9-12	1-8-3	1-8-3	Concentrated	Wind	Down	Global	165 lbs	165 lbs	0 in.
WB8-11	1-8-3	1-8-3	Concentrated	Wind	Down	Global	165 lbs	165 lbs	0 in.
WB7-10	1-8-3	1-8-3	Concentrated	Wind	Down	Global	165 lbs	165 lbs	0 in.
WB13-14	1-8-3	1-8-3	Concentrated	Wind	Down	Global	165 lbs	165 lbs	0 in.
WB2-4	1-8-3	1-8-3	Concentrated	Wind	Down	Global	165 lbs	165 lbs	0 in.

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
3-12	0.99	-1721 lbs	-1721 lbs	1-9	0.98	1721 lbs	-1074 lbs	1-3	0.59	-3411 lbs	-3411 lbs
12-18	0.97	-2730 lbs	-2730 lbs	9-17	0.98	2730 lbs	-1703 lbs	9-12	0.61	-3537 lbs	-3537 lbs
11-18	0.52	-2730 lbs	-2730 lbs	8-17	0.97	4299 lbs	-2634 lbs	17-18	0.01	63 lbs	-20 lbs
11-25	0.75	-3415 lbs	-3415 lbs	7-8	0.63	4299 lbs	-2634 lbs	19-20	0.06	-329 lbs	-329 lbs
10-25	0.96	-4529 lbs	-4529 lbs	7-19	0.63	4293 lbs	-2630 lbs	5-6	0.25	-1464 lbs	-1464 lbs
10-20	0.96	-4529 lbs	-4529 lbs	5-19	0.72	4284 lbs	-2573 lbs	21-22	0.29	-1689 lbs	-1689 lbs
6-20	0.84	-4284 lbs	-4284 lbs	5-21	0.80	4033 lbs	-2401 lbs	13-14	0.45	-2626 lbs	-2626 lbs
6-22	0.94	-4033 lbs	-4033 lbs	13-21	0.97	3375 lbs	-1999 lbs	23-24	0.55	-3189 lbs	-3189 lbs
14-22	0.94	-3375 lbs	-3375 lbs	13-24	0.98	2595 lbs	-1528 lbs	2-4	0.54	-3162 lbs	-3162 lbs
14-23	0.98	-2595 lbs	-2595 lbs	2-24	0.98	1283 lbs	-755 lbs	8-28	0.73	-1642 lbs	-1642 lbs
4-23	0.98	-1283 lbs	-1283 lbs					15-28	0.00	0 lbs	0 lbs
								15-30	0.00	0 lbs	0 lbs
								11-30	0.92	-1642 lbs	-1642 lbs
								7-27	0.10	-144 lbs	-144 lbs
								16-27	0.00	0 lbs	0 lbs
								16-29	0.00	0 lbs	0 lbs
								10-29	0.18	-727 lbs	-727 lbs
								15-16	0.83	-2340 lbs	-2340 lbs
								3-9	0.38	3527 lbs	-2201 lbs
								12-17	0.27	2503 lbs	-1561 lbs
								6-19	0.07	622 lbs	-428 lbs
								5-22	0.17	1632 lbs	-996 lbs
								14-21	0.20	1935 lbs	-1168 lbs
								13-23	0.31	3060 lbs	-1802 lbs
								4-24	0.32	3196 lbs	-1881 lbs
								15-25	0.26	-1689 lbs	-1689 lbs
								16-25	0.11	1271 lbs	-661 lbs
								19-27	0.01	93 lbs	-15 lbs
								17-28	0.44	-2575 lbs	-2575 lbs
								18-30	0.08	-535 lbs	-535 lbs
								20-29	0.02	232 lbs	-124 lbs

TRUSS Tr-34 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI

Max CSI Summary			
TC :	0.84 (20 - 21)	Deflection	L / 999
BC :	0.67 (8 - 32)	TL(V): 0 in.	L / 999
Web :	0.67 (2 - 3)	LL(V): 0 in.	L / 999
		DL(V): 0 in.	L / 999
		Cant / OH TL: 0 in.	2L / 999
		Cant / OH LL: 0 in.	2L / 999
		Horiz TL: 0.03 in.	5
		Web :	
		Snow/Wind 0 in.	L / 999
		Cant (Snow/Wind) 0 in.	L / 999

Load Summary
1)This Truss has been designed in accordance with LRFD 2016.
2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
4)Snow Criteria: None
5)For Wall Truss when sheathed Ly = 12 inches is used

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-70 lbs	1730 lbs	0 lbs	-60 lbs	-70 lbs
4	HRoll		0 lbs	1730 lbs	0 lbs	-60 lbs	0 lbs

Materials		Material Exceptions	
Type	Material	Bracing	Material
Top Chd	350S162-43(50)	Sheathing	
Bot Chd	350S162-43(50)	Sheathing	
Web	350S162-43(50)	Unbraced	

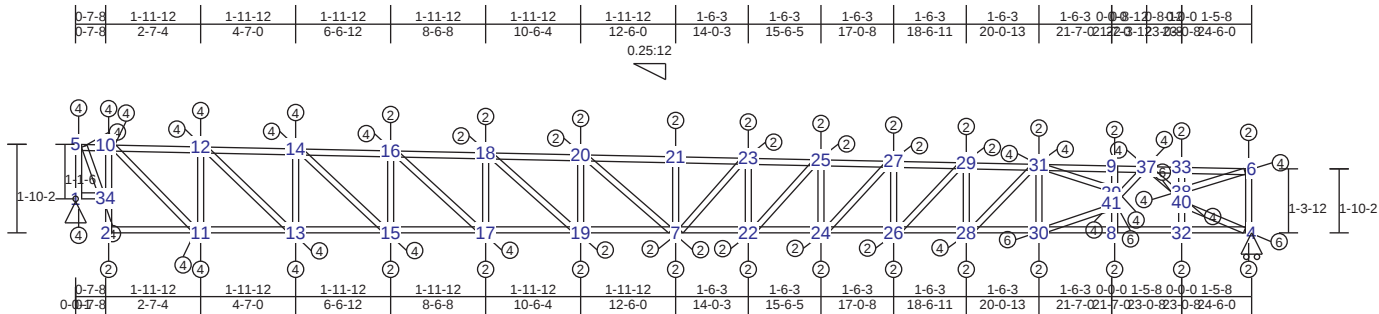
Truss Dimensions	
Max Height	Max Width
1-10-3	24-6-1

Material Design Pass

Member Forces Summary
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
5-10	0.66	-759 lbs	-759 lbs	2-11	0.62	2358 lbs	-790 lbs	1-5	0.15	-1487 lbs	-1487 lbs	22-25	0.02	296 lbs	-96 lbs
10-12	0.60	-2374 lbs	-2374 lbs	11-13	0.62	3932 lbs	-1302 lbs	2-3	0.67	-2140 lbs	-2140 lbs	24-27	0.04	637 lbs	-207 lbs
12-14	0.62	-3947 lbs	-3947 lbs	13-15	0.48	5211 lbs	-1718 lbs	3-4	0.00	0 lbs	0 lbs	26-29	0.06	981 lbs	-319 lbs
14-16	0.70	-5225 lbs	-5225 lbs	15-17	0.49	6204 lbs	-2042 lbs	10-34	0.65	-2382 lbs	-2382 lbs	28-31	0.08	1347 lbs	-438 lbs
16-18	0.75	-6217 lbs	-6217 lbs	17-19	0.48	6884 lbs	-2263 lbs	11-12	0.19	-1785 lbs	-1785 lbs	9-30	0.11	1716 lbs	-558 lbs
18-20	0.80	-6896 lbs	-6896 lbs	7-19	0.26	7211 lbs	-2370 lbs	13-14	0.15	-1476 lbs	-1476 lbs	6-32	0.18	2832 lbs	-921 lbs
20-21	0.84	-7221 lbs	-7221 lbs	7-22	0.26	7214 lbs	-2371 lbs	15-16	0.12	-1188 lbs	-1188 lbs	8-33	0.15	2327 lbs	-757 lbs
21-23	0.78	-7223 lbs	-7223 lbs	22-24	0.26	7214 lbs	-2371 lbs	17-18	0.09	-889 lbs	-889 lbs	5-34	0.14	2225 lbs	-707 lbs
23-25	0.81	-7223 lbs	-7223 lbs	24-26	0.46	7025 lbs	-2310 lbs	19-20	0.06	-586 lbs	-586 lbs				
25-27	0.80	-7037 lbs	-7037 lbs	26-28	0.48	6611 lbs	-2175 lbs	7-21	0.03	-254 lbs	-254 lbs				
27-29	0.78	-6627 lbs	-6627 lbs	28-30	0.48	5965 lbs	-1965 lbs	22-23	0.02	-191 lbs	-191 lbs				
29-31	0.74	-5985 lbs	-5985 lbs	8-30	0.47	5066 lbs	-1673 lbs	24-25	0.05	-464 lbs	-464 lbs				
9-31	0.70	-5091 lbs	-5091 lbs	8-32	0.67	3906 lbs	-1296 lbs	26-27	0.07	-716 lbs	-716 lbs				
9-33	0.59	-3935 lbs	-3935 lbs	4-32	0.67	2138 lbs	-721 lbs	28-29	0.10	-978 lbs	-978 lbs				
6-33	0.78	-2173 lbs	-2173 lbs	1-3	0.40	51 lbs	-33 lbs	30-31	0.13	-1254 lbs	-1254 lbs				
								32-33	0.20	-1951 lbs	-1951 lbs				
								4-6	0.18	-1781 lbs	-1781 lbs				
								9-9	0.15	-1479 lbs	-1479 lbs				
								10-11	0.15	2387 lbs	-778 lbs				
								12-13	0.14	2185 lbs	-711 lbs				
								14-15	0.11	1755 lbs	-572 lbs				
								16-17	0.08	1347 lbs	-439 lbs				
								18-19	0.06	910 lbs	-296 lbs				
								7-20	0.03	432 lbs	-141 lbs				
								7-23	0.00	-6 lbs	-6 lbs				

TRUSS Tr-35 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.83 (20 - 21)	TL(V): 0 in.	L / 999	5	L / 240
BC : 0.57 (2 - 11)	LL(V): 0 in.	L / 999	5	L / 360
Web : 0.90 (32 - 40)	DL(V): 0 in.	L / 999	5	L / 0
	Cant / OH TL: 0 in.	2L / 999	5	2L / 240
	Cant / OH LL: 0 in.	2L / 999	5	2L / 240
	Horiz TL: 0.03 in.		5	
	Web :			
	Snow/Wind 0 in.	L / 999	(33-6)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	5	L / 360

- Load Summary**
- 1) This Truss has been designed in accordance with LRFD 2016.
 - 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
 - 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
 - 4) Snow Criteria: None
 - 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-10 lbs	1040 lbs	0 lbs	0 lbs	-10 lbs
4	HRoll		0 lbs	1040 lbs	0 lbs	-40 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-10-4	24-6-1

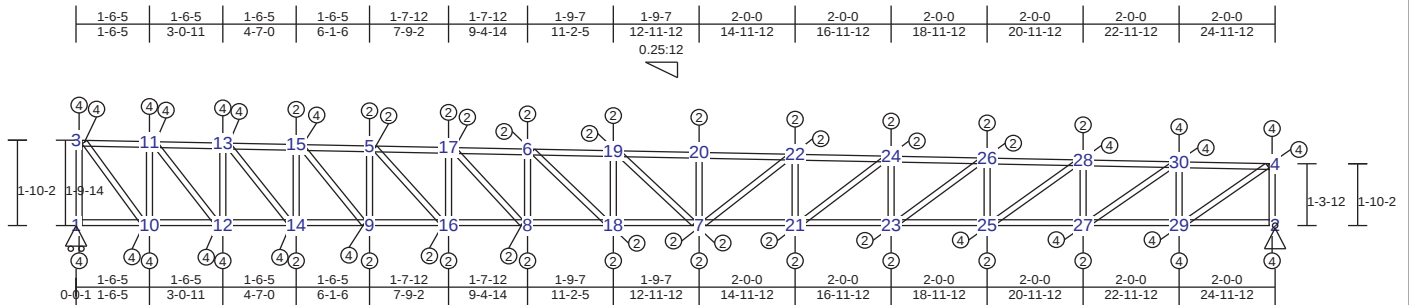
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
5-10	0.62	-457 lbs	-457 lbs	2-11	0.57	1428 lbs	-759 lbs	1-5	0.15	-896 lbs	-896 lbs	12-13	0.13	1319 lbs	-715 lbs
10-12	0.55	-1431 lbs	-1431 lbs	11-13	0.57	2378 lbs	-1274 lbs	2-3	0.64	-1288 lbs	-1288 lbs	14-15	0.11	1060 lbs	-575 lbs
12-14	0.59	-2381 lbs	-2381 lbs	13-15	0.51	3150 lbs	-1693 lbs	3-4	0.00	0 lbs	0 lbs	16-17	0.08	813 lbs	-443 lbs
14-16	0.68	-3153 lbs	-3153 lbs	15-17	0.53	3749 lbs	-2019 lbs	10-34	0.63	-1437 lbs	-1437 lbs	18-19	0.05	549 lbs	-301 lbs
16-18	0.74	-3753 lbs	-3753 lbs	17-19	0.53	4159 lbs	-2244 lbs	11-12	0.18	-1078 lbs	-1078 lbs	7-20	0.03	261 lbs	-146 lbs
18-20	0.79	-4162 lbs	-4162 lbs	7-19	0.53	4357 lbs	-2354 lbs	13-14	0.15	-891 lbs	-891 lbs	7-23	0.00	4 lbs	-1 lbs
20-21	0.83	-4359 lbs	-4359 lbs	7-22	0.51	4357 lbs	-2357 lbs	15-16	0.12	-717 lbs	-717 lbs	22-25	0.02	200 lbs	-103 lbs
21-23	0.78	-4359 lbs	-4359 lbs	22-24	0.53	4356 lbs	-2357 lbs	17-18	0.09	-537 lbs	-537 lbs	24-27	0.04	421 lbs	-222 lbs
23-25	0.81	-4359 lbs	-4359 lbs	24-26	0.53	4222 lbs	-2288 lbs	19-20	0.06	-354 lbs	-354 lbs	26-29	0.06	649 lbs	-345 lbs
25-27	0.79	-4228 lbs	-4228 lbs	26-28	0.54	3937 lbs	-2137 lbs	7-21	0.03	-156 lbs	-156 lbs	28-31	0.09	898 lbs	-478 lbs
27-29	0.75	-3945 lbs	-3945 lbs	28-30	0.54	3491 lbs	-1900 lbs	22-23	0.02	-127 lbs	-127 lbs	5-34	0.13	1340 lbs	-737 lbs
29-31	0.77	-3503 lbs	-3503 lbs	8-30	0.45	2868 lbs	-1568 lbs	24-25	0.05	-300 lbs	-300 lbs	36-37	0.24	-1463 lbs	-1463 lbs
9-31	0.60	-2882 lbs	-2882 lbs	8-32	0.23	1874 lbs	-1047 lbs	26-27	0.07	-454 lbs	-454 lbs	35-37	0.12	1171 lbs	-627 lbs
9-37	0.59	-2412 lbs	-2412 lbs	4-32	0.51	1874 lbs	-1047 lbs	28-29	0.11	-646 lbs	-646 lbs	6-38	0.09	918 lbs	-548 lbs
33-37	0.42	-1625 lbs	-1625 lbs	1-3	0.38	25 lbs	-23 lbs	30-31	0.09	-537 lbs	-537 lbs	31-39	0.13	-799 lbs	-799 lbs
6-33	0.30	-879 lbs	-879 lbs					4-6	0.05	-327 lbs	-327 lbs	4-40	0.33	-2034 lbs	-2034 lbs
								8-41	0.72	468 lbs	-251 lbs	30-41	0.16	1594 lbs	-852 lbs
								35-41	0.61	468 lbs	-382 lbs				
								35-39	0.00	0 lbs	0 lbs				
								9-39	0.60	-382 lbs	-382 lbs				
								32-40	0.90	-698 lbs	-698 lbs				
								36-40	0.00	0 lbs	0 lbs				
								36-38	0.84	-698 lbs	-698 lbs				
								33-38	0.69	252 lbs	-109 lbs				
								10-11	0.14	1441 lbs	-780 lbs				

TRUSS Tr-36 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L / 999	(Loc)	Max. Allowed
TC :	0.67 (20 - 22)	TL(V): 0 in.	L / 999	L / 240
BC :	0.54 (1 - 10)	LL(V): 0 in.	L / 999	L / 360
Web :	0.17 (10 - 11)	DL(V): 0 in.	L / 999	L / 0
		Cant / OH TL: 0 in.	2L / 999	2L / 0
		Cant / OH LL: 0 in.	2L / 999	2L / 0
		Horiz TL: -0.03 in.	1	
		Web :		
		Snow/Wind 0 in.	L / 999	L / 360
		Cant (Snow/Wind) 0 in.	L / 999	L / 0

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code = ASCE 7-16, Wind Speed = 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4)Snow Criteria: None
- 5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1680 lbs	0 lbs	0 lbs	0 lbs
2	Pin		-100 lbs	1640 lbs	0 lbs	0 lbs	-100 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-10-3	24-11-13

Material Design Pass

Loads have been reduced by the number of trusses.
Reactions are for full multi-ply truss.

Point Loads

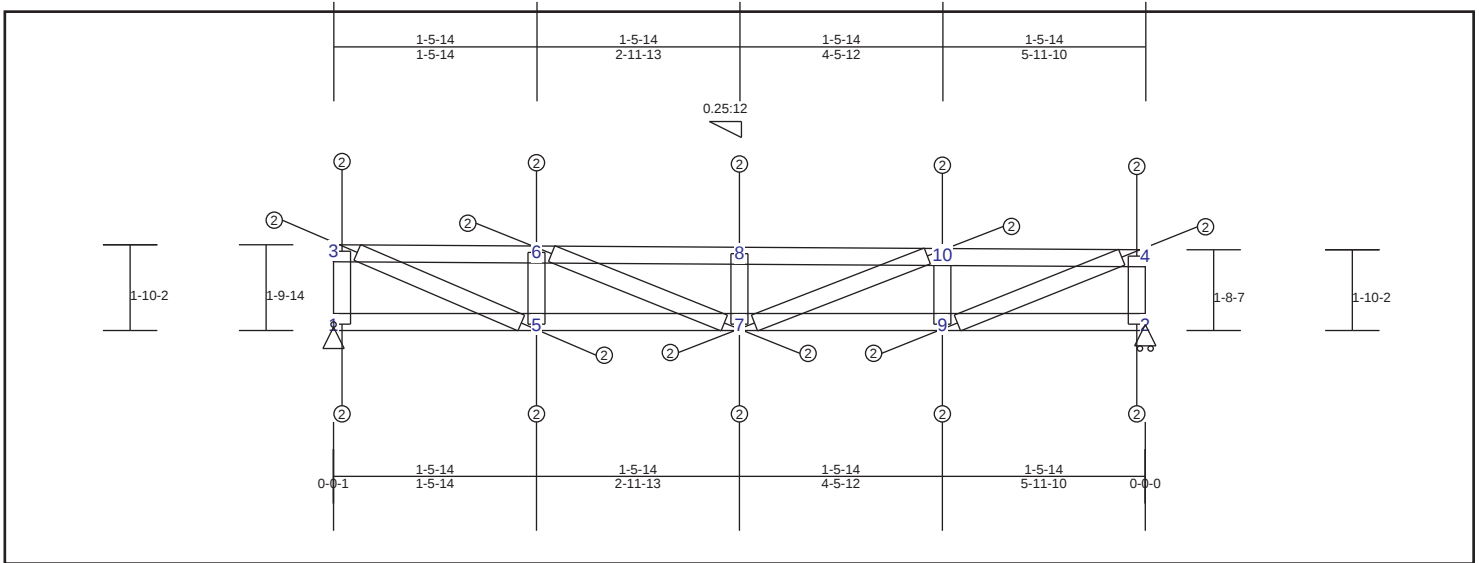
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB5-9	1-7-2	1-7-2	Concentrated	Dead	Down	Global	35 lbs	35 lbs	0 in.
WB6-8	1-6-5	1-6-5	Concentrated	Dead	Down	Global	35 lbs	35 lbs	0 in.
WB5-9	1-7-2	1-7-2	Concentrated	Live	Down	Global	30 lbs	30 lbs	0 in.
WB6-8	1-6-5	1-6-5	Concentrated	Live	Down	Global	30 lbs	30 lbs	0 in.
WB5-9	1-7-2	1-7-2	Concentrated	Wind	Up	Global	-32 lbs	-32 lbs	0 in.
WB6-8	1-6-5	1-6-5	Concentrated	Wind	Up	Global	-32 lbs	-32 lbs	0 in.
WB5-9	1-7-2	1-7-2	Concentrated	Wind	Up	Global	-32 lbs	-32 lbs	0 in.
WB6-8	1-6-5	1-6-5	Concentrated	Wind	Up	Global	-32 lbs	-32 lbs	0 in.
WB5-9	1-7-2	1-7-2	Concentrated	Wind	Down	Global	12 lbs	12 lbs	0 in.
WB6-8	1-6-5	1-6-5	Concentrated	Wind	Down	Global	12 lbs	12 lbs	0 in.

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord	Bot Chord	Web	Web
3-11 0.61 -696 lbs -696 lbs	1-10 0.54 692 lbs -152 lbs	1-3 0.14 -877 lbs -877 lbs	11-12 0.11 1102 lbs -248 lbs
11-13 0.48 -1358 lbs -1358 lbs	10-12 0.54 1355 lbs -302 lbs	10-11 0.17 -1042 lbs -1042 lbs	13-14 0.10 966 lbs -217 lbs
13-15 0.47 -1946 lbs -1946 lbs	12-14 0.42 1944 lbs -434 lbs	12-13 0.14 -848 lbs -848 lbs	9-15 0.08 844 lbs -189 lbs
5-15 0.53 -2467 lbs -2467 lbs	9-14 0.41 2464 lbs -550 lbs	14-15 0.13 -764 lbs -764 lbs	5-16 0.07 673 lbs -151 lbs
5-17 0.58 -2909 lbs -2909 lbs	9-16 0.43 2907 lbs -650 lbs	16-17 0.08 -497 lbs -497 lbs	8-17 0.05 521 lbs -117 lbs
6-17 0.62 -3256 lbs -3256 lbs	8-16 0.44 3253 lbs -728 lbs	18-19 0.03 -212 lbs -212 lbs	6-18 0.03 317 lbs -72 lbs
6-19 0.65 -3480 lbs -3480 lbs	8-18 0.44 3478 lbs -779 lbs	7-20 0.02 -125 lbs -125 lbs	7-19 0.01 132 lbs -30 lbs
19-20 0.66 -3575 lbs -3575 lbs	7-18 0.43 3573 lbs -801 lbs	21-22 0.03 -186 lbs -186 lbs	7-22 0.01 77 lbs -17 lbs
20-22 0.67 -3575 lbs -3575 lbs	7-21 0.42 3573 lbs -801 lbs	23-24 0.06 -340 lbs -340 lbs	21-24 0.03 320 lbs -72 lbs
22-24 0.67 -3517 lbs -3517 lbs	21-23 0.43 3514 lbs -787 lbs	25-26 0.08 -500 lbs -500 lbs	23-26 0.06 578 lbs -131 lbs
24-26 0.63 -3268 lbs -3268 lbs	23-25 0.43 3262 lbs -730 lbs	27-28 0.11 -645 lbs -645 lbs	25-28 0.08 850 lbs -192 lbs
26-28 0.57 -2811 lbs -2811 lbs	25-27 0.43 2802 lbs -627 lbs	29-30 0.15 -883 lbs -883 lbs	27-30 0.11 1153 lbs -261 lbs
28-30 0.48 -2130 lbs -2130 lbs	27-29 0.47 2118 lbs -472 lbs	2-4 0.14 -838 lbs -838 lbs	4-29 0.14 1451 lbs -328 lbs
4-30 0.59 -1195 lbs -1195 lbs	2-29 0.47 1180 lbs -260 lbs	5-9 0.11 -647 lbs -647 lbs	
		6-8 0.06 -375 lbs -375 lbs	
		3-10 0.12 1200 lbs -270 lbs	

TRUSS Tr-37 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI

calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.18 (3 - 6)	TL(V): 0 in.	L / 999	3	L / 240
BC : 0.13 (1 - 5)	LL(V): 0 in.	L / 999	3	L / 360
Web : 0.07 (1 - 3)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: 0 in.		3	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-60 lbs	250 lbs	0 lbs	0 lbs	-60 lbs
2	HRoll		0 lbs	250 lbs	0 lbs	-10 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
1-10-2	5-11-10

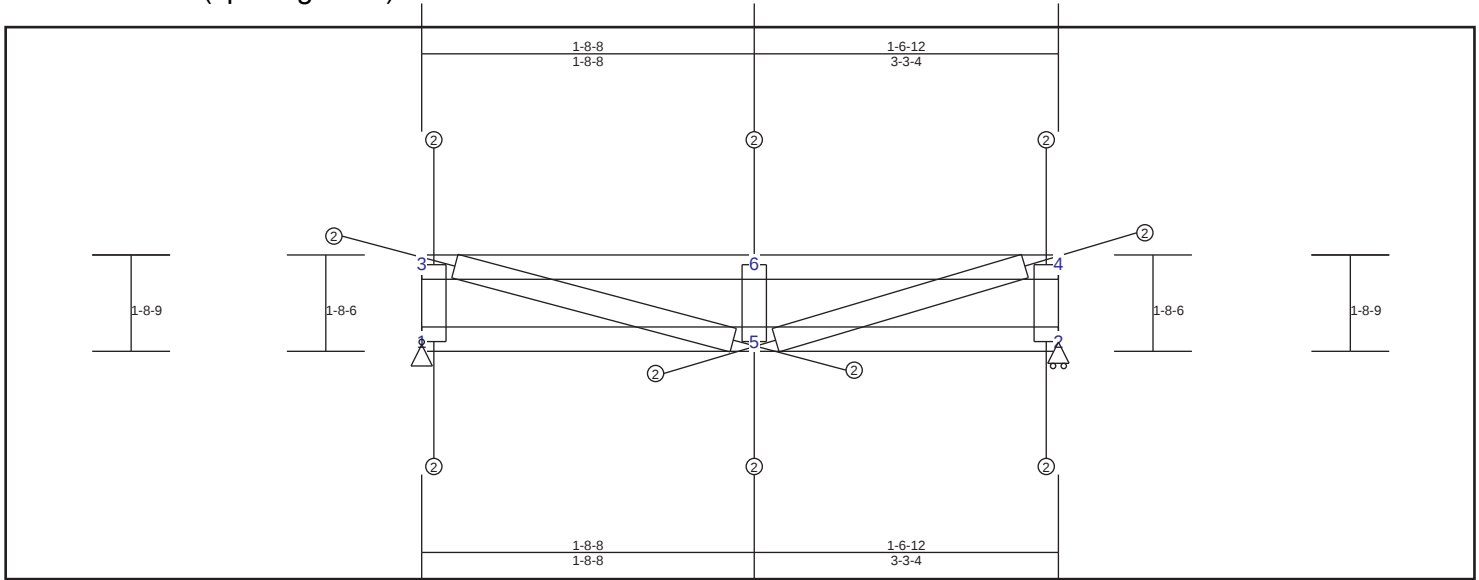
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord	Bot Chord	Web
3-6 0.18 -167 lbs -167 lbs	1-5 0.13 165 lbs -152 lbs	1-3 0.07 -259 lbs -259 lbs
6-8 0.12 -229 lbs -229 lbs	5-7 0.13 227 lbs -176 lbs	5-6 0.04 -252 lbs -252 lbs
8-10 0.12 -229 lbs -229 lbs	7-9 0.13 227 lbs -176 lbs	7-8 0.02 -122 lbs -122 lbs
4-10 0.18 -175 lbs -175 lbs	2-9 0.13 172 lbs -136 lbs	9-10 0.04 -243 lbs -243 lbs
		2-4 0.07 -258 lbs -258 lbs
		3-5 0.03 293 lbs -142 lbs
		6-7 0.01 105 lbs -57 lbs
		7-10 0.01 92 lbs -66 lbs
		4-9 0.03 290 lbs -173 lbs

TRUSS Tr-38 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screwedge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.14 (3 - 6)	TL(V): 0 in.	L / 999	3	L / 240
BC : 0.13 (1 - 5)	LL(V): 0 in.	L / 999	3	L / 360
Web : 0.05 (5 - 6)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: 0 in.		4	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-90 lbs	310 lbs	0 lbs	-30 lbs	-90 lbs
2	HRoll		0 lbs	320 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
1-8-9	3-3-4

Material Design Pass

Point Loads

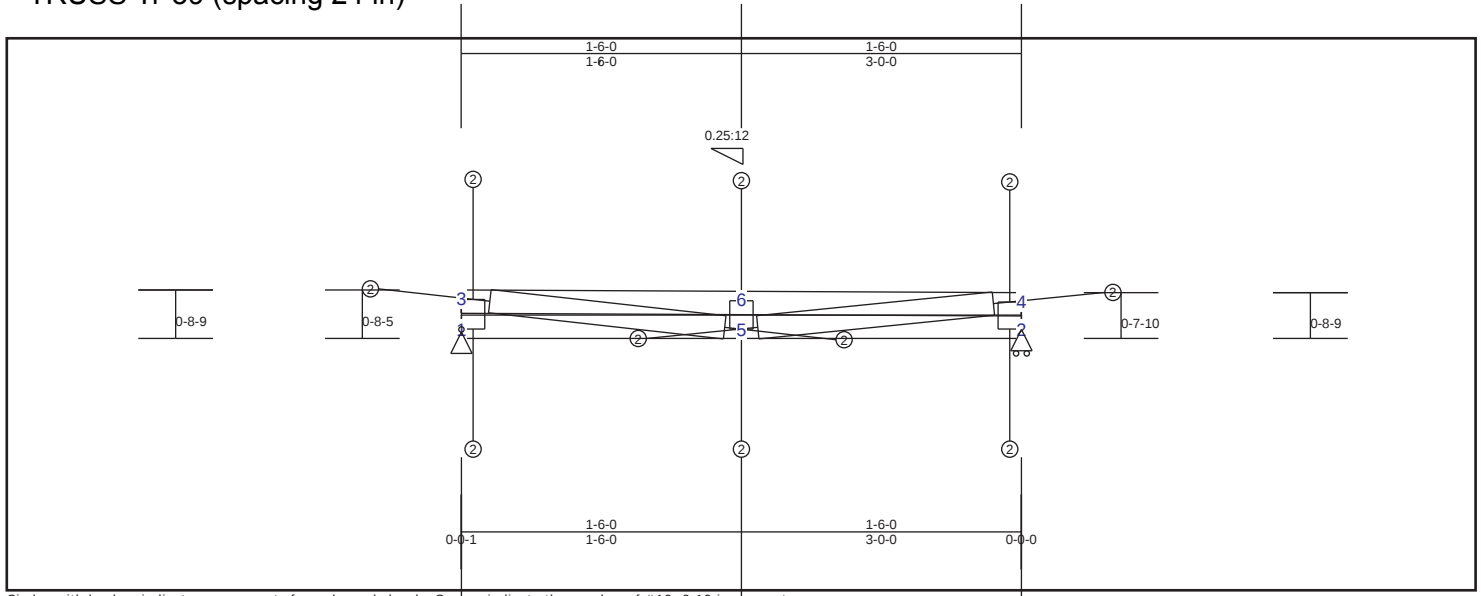
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB5-6	1-7-1	1-7-1	Concentrated	Dead	Down	Global	69 lbs	69 lbs	0 in.
WB5-6	1-7-1	1-7-1	Concentrated	Live	Down	Global	60 lbs	60 lbs	0 in.
WB5-6	1-7-1	1-7-1	Concentrated	Wind	Up	Global	-63 lbs	-63 lbs	0 in.
WB5-6	1-7-1	1-7-1	Concentrated	Wind	Up	Global	-63 lbs	-63 lbs	0 in.
WB5-6	1-7-1	1-7-1	Concentrated	Wind	Down	Global	24 lbs	24 lbs	0 in.

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord	Bot Chord	Web
3-6 0.14 -212 lbs -212 lbs	1-5 0.13 212 lbs -109 lbs	1-3 0.04 -310 lbs -310 lbs
4-6 0.14 -212 lbs -212 lbs	2-5 0.13 212 lbs -109 lbs	5-6 0.05 -520 lbs -520 lbs
		2-4 0.04 -321 lbs -321 lbs
		3-5 0.02 322 lbs -140 lbs
		4-5 0.02 344 lbs -122 lbs

TRUSS Tr-39 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. \$ screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L / (Loc)	Max. Allowed
TC : 0.11 (3 - 6)	TL(V): 0 in.	L / 999	3
BC : 0.05 (1 - 5)	LL(V): 0 in.	L / 999	3
Web : 0.03 (5 - 6)	DL(V): 0 in.	L / 999	3
	Cant / OH TL: 0 in.	2L / 999	0
	Cant / OH LL: 0 in.	2L / 999	0
	Horiz TL: 0 in.		3
	Web :		
	Snow/Wind 0 in.	L / 999	3
	Cant (Snow/Wind) 0 in.	L / 999	0
			L / 360
			L / 0

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-30 lbs	200 lbs	0 lbs	-10 lbs	-30 lbs
2	HRoll		0 lbs	200 lbs	0 lbs	-10 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
0-8-11	3-0-1

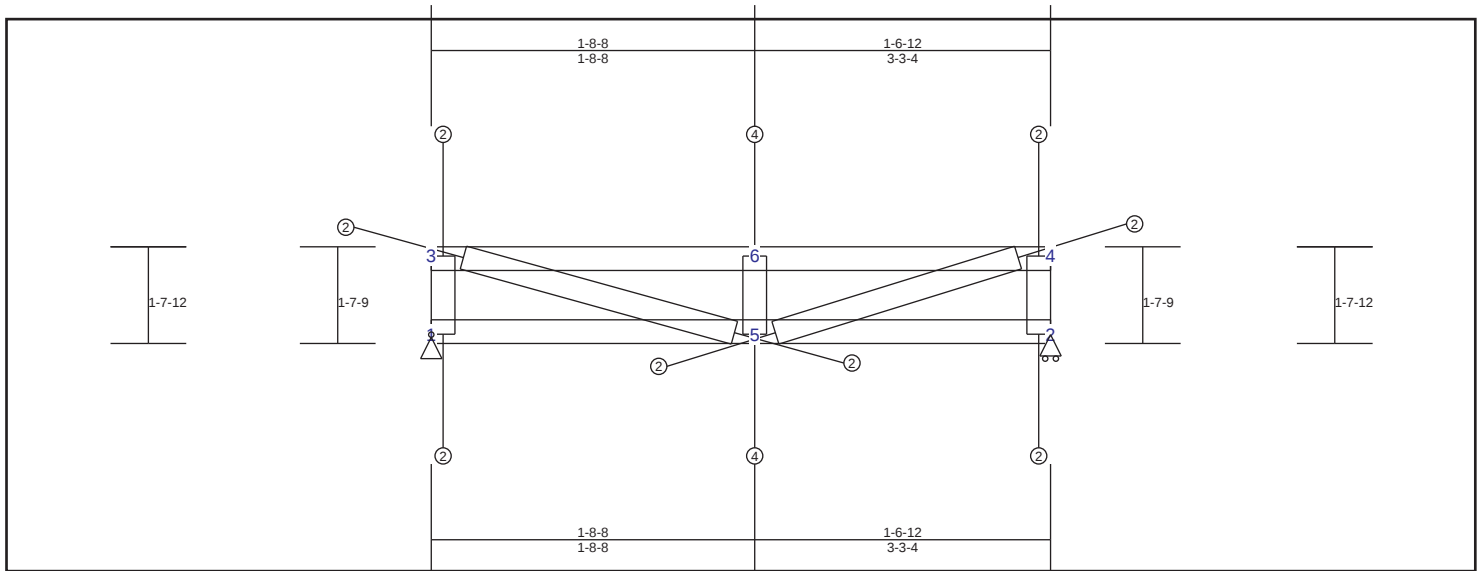
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord	Bot Chord	Web
3-6 0.11 -286 lbs -286 lbs	1-5 0.05 282 lbs -110 lbs	1-3 0.02 -199 lbs -199 lbs
4-6 0.11 -286 lbs -286 lbs	2-5 0.05 282 lbs -110 lbs	5-6 0.03 -273 lbs -273 lbs
		2-4 0.02 -198 lbs -198 lbs
		3-5 0.02 316 lbs -96 lbs
		4-5 0.02 308 lbs -108 lbs

TRUSS Tr-40 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.21 (6 - 4)	TL(V): 0 in.	L / 999	3	L / 240
BC : 0.21 (1 - 5)	LL(V): 0 in.	L / 999	3	L / 360
Web : 0.09 (5 - 6)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: 0 in.		3	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-80 lbs	460 lbs	0 lbs	-30 lbs	-80 lbs
2	HRoll		0 lbs	480 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
1-7-13	3-3-4

Material Design Pass

Point Loads

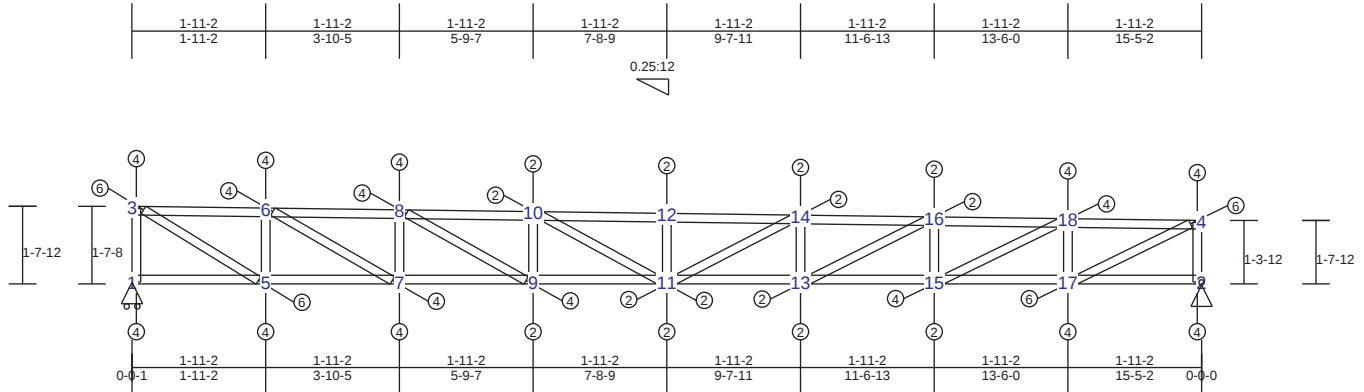
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB5-6	1-6-4	1-6-4	Concentrated	Dead	Down	Global	176 lbs	176 lbs	0 in.
WB5-6	1-6-4	1-6-4	Concentrated	Live	Down	Global	154 lbs	154 lbs	0 in.
WB5-6	1-6-4	1-6-4	Concentrated	Wind	Up	Global	-162 lbs	-162 lbs	0 in.
WB5-6	1-6-4	1-6-4	Concentrated	Wind	Up	Global	-162 lbs	-162 lbs	0 in.
WB5-6	1-6-4	1-6-4	Concentrated	Wind	Down	Global	62 lbs	62 lbs	0 in.

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord	Bot Chord
3-6 0.20 -364 lbs	1-5 0.21 364 lbs
4-6 0.21 -364 lbs	2-5 0.21 364 lbs
	1-3 0.05 -450 lbs
	5-6 0.09 -852 lbs
	2-4 0.05 -476 lbs
	3-5 0.03 539 lbs
	4-5 0.04 575 lbs
	-196 lbs

TRUSS Tr-41 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.49 (3 - 6)	TL(V): 0 in.	L / 999	(14-16)	L / 240
BC : 0.42 (1 - 5)	LL(V): 0 in.	L / 999	(14-16)	L / 360
Web : 0.12 (5 - 6)	DL(V): 0 in.	L / 999	(12-14)	L / 0
	Cant / OH TL: 0 in.	2L / 999	(1-5)	2L / 240
	Cant / OH LL: 0 in.	2L / 999	(1-5)	2L / 240
	Horiz TL: -0.01 in.		4	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1090 lbs	0 lbs	-40 lbs	0 lbs
2	Pin		-90 lbs	1090 lbs	0 lbs	-40 lbs	-90 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-7-13	15-5-3

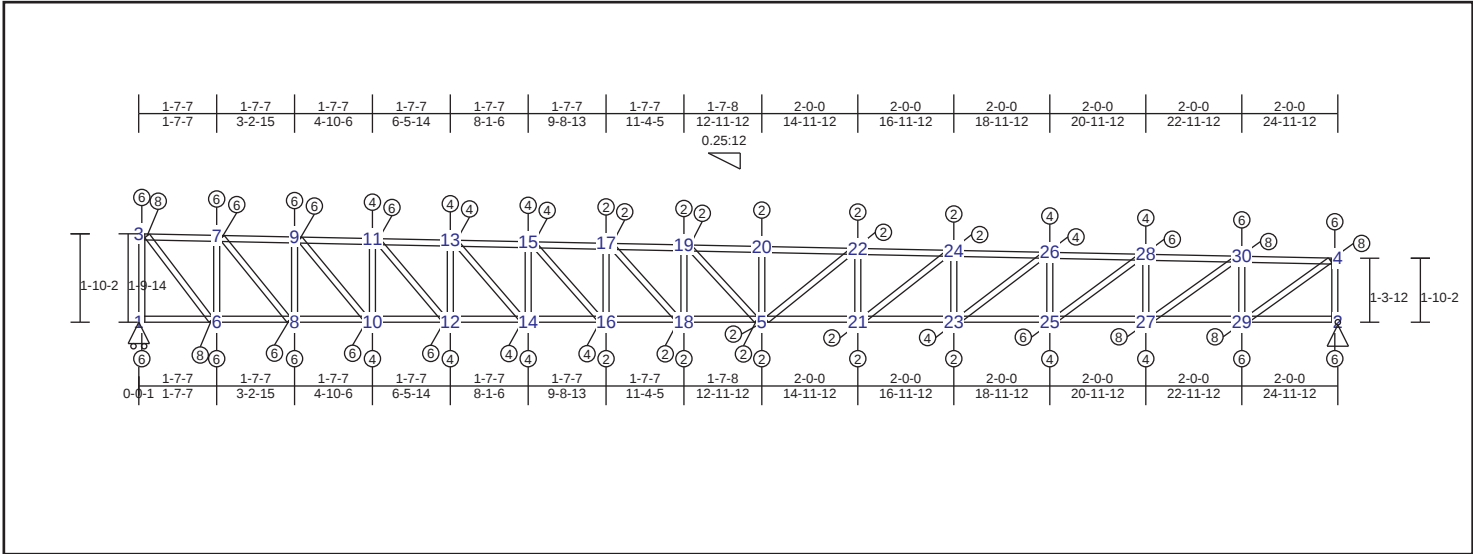
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
3-6	0.49	-1222 lbs	-1222 lbs	1-5	0.42	1217 lbs	-385 lbs	1-3	0.11	-1115 lbs	-1115 lbs
6-8	0.38	-2168 lbs	-2168 lbs	5-7	0.42	2166 lbs	-691 lbs	5-6	0.12	-1197 lbs	-1197 lbs
8-10	0.39	-2787 lbs	-2787 lbs	7-9	0.24	2786 lbs	-890 lbs	7-8	0.08	-795 lbs	-795 lbs
10-12	0.39	-3059 lbs	-3059 lbs	9-11	0.21	3059 lbs	-976 lbs	9-10	0.05	-519 lbs	-519 lbs
12-14	0.38	-3059 lbs	-3059 lbs	11-13	0.11	3059 lbs	-976 lbs	11-12	0.03	-280 lbs	-280 lbs
14-16	0.39	-2951 lbs	-2951 lbs	13-15	0.23	2950 lbs	-938 lbs	13-14	0.04	-378 lbs	-378 lbs
16-18	0.38	-2437 lbs	-2437 lbs	15-17	0.39	2431 lbs	-766 lbs	15-16	0.07	-688 lbs	-688 lbs
4-18	0.49	-1462 lbs	-1462 lbs	2-17	0.39	1451 lbs	-444 lbs	17-18	0.11	-1128 lbs	-1128 lbs
								2-4	0.11	-1110 lbs	-1110 lbs
								3-5	0.10	1671 lbs	-541 lbs
								6-7	0.08	1266 lbs	-409 lbs
								8-9	0.05	817 lbs	-262 lbs
								10-11	0.02	356 lbs	-112 lbs
								11-14	0.01	139 lbs	-49 lbs
								13-16	0.04	654 lbs	-217 lbs
								15-18	0.08	1222 lbs	-402 lbs
								4-17	0.11	1803 lbs	-591 lbs

TRUSS Tr-42 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT # 2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L /	(Loc)	Max. Allowed
TC : 0.86 (22 - 24)	TL(V): 0.02 in.	L / 999	(30-4)	L / 240
BC : 0.73 (1 - 6)	LL(V): 0.01 in.	L / 999	(30-4)	L / 360
Web : 0.22 (6 - 7)	DL(V): 0.01 in.	L / 999	(30-4)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: -0.04 in.		1	
	Web :			
	Snow/Wind 0 in.	L / 999	(28-30)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4)Snow Criteria: None
- 5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1760 lbs	0 lbs	-60 lbs	0 lbs
2	Pin		-100 lbs	1760 lbs	0 lbs	-60 lbs	-100 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-10-3	24-11-13

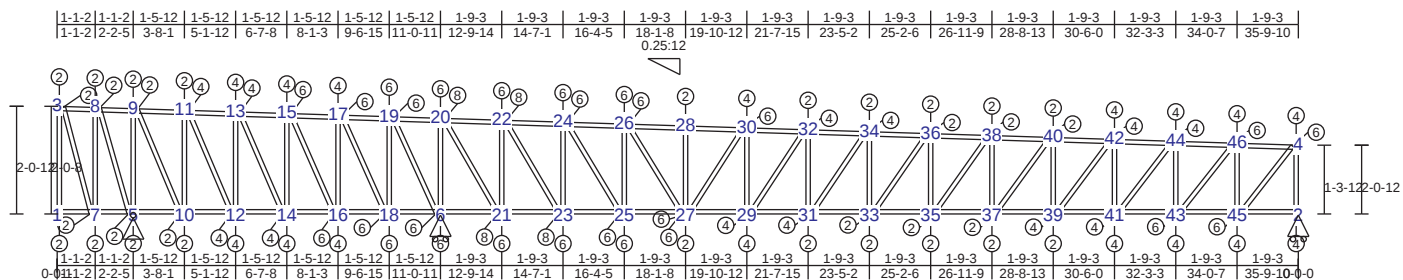
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
3-7	0.82	-1540 lbs	-1540 lbs	1-6	0.73	1533 lbs	-205 lbs	1-3	0.19	-1827 lbs	-1827 lbs	23-26	0.08	1201 lbs	-165 lbs
7-9	0.64	-2977 lbs	-2977 lbs	6-8	0.73	2973 lbs	-401 lbs	6-7	0.22	-2134 lbs	-2134 lbs	25-28	0.11	1798 lbs	-247 lbs
9-11	0.62	-4229 lbs	-4229 lbs	8-10	0.55	4226 lbs	-572 lbs	8-9	0.18	-1712 lbs	-1712 lbs	27-30	0.15	2463 lbs	-337 lbs
11-13	0.69	-5304 lbs	-5304 lbs	10-12	0.50	5302 lbs	-719 lbs	10-11	0.16	-1506 lbs	-1506 lbs	4-29	0.20	3119 lbs	-427 lbs
13-15	0.75	-6183 lbs	-6183 lbs	12-14	0.50	6182 lbs	-839 lbs	12-13	0.13	-1251 lbs	-1251 lbs				
15-17	0.80	-6855 lbs	-6855 lbs	14-16	0.50	6855 lbs	-931 lbs	14-15	0.10	-1000 lbs	-1000 lbs				
17-19	0.83	-7305 lbs	-7305 lbs	16-18	0.49	7306 lbs	-992 lbs	16-17	0.08	-743 lbs	-743 lbs				
19-20	0.84	-7527 lbs	-7527 lbs	5-18	0.03	7529 lbs	-1022 lbs	18-19	0.05	-481 lbs	-481 lbs				
20-22	0.86	-7527 lbs	-7527 lbs	5-21	0.03	7529 lbs	-1022 lbs	5-20	0.03	-268 lbs	-268 lbs				
22-24	0.86	-7451 lbs	-7451 lbs	21-23	0.48	7453 lbs	-1011 lbs	21-22	0.04	-364 lbs	-364 lbs				
24-26	0.82	-6958 lbs	-6958 lbs	23-25	0.50	6954 lbs	-942 lbs	23-24	0.07	-706 lbs	-706 lbs				
26-28	0.75	-6008 lbs	-6008 lbs	25-27	0.49	5998 lbs	-811 lbs	25-26	0.11	-1056 lbs	-1056 lbs				
28-30	0.65	-4566 lbs	-4566 lbs	27-29	0.66	4551 lbs	-612 lbs	27-28	0.14	-1377 lbs	-1377 lbs				
4-30	0.81	-2568 lbs	-2568 lbs	2-29	0.66	2547 lbs	-338 lbs	29-30	0.19	-1897 lbs	-1897 lbs				
								2-4	0.18	-1803 lbs	-1803 lbs				
								3-6	0.16	2533 lbs	-346 lbs				
								7-8	0.14	2286 lbs	-312 lbs				
								9-10	0.12	1964 lbs	-268 lbs				
								11-12	0.10	1667 lbs	-227 lbs				
								13-14	0.08	1346 lbs	-183 lbs				
								15-16	0.06	1018 lbs	-139 lbs				
								17-18	0.04	673 lbs	-91 lbs				
								5-19	0.02	329 lbs	-44 lbs				
								5-22	0.01	98 lbs	-14 lbs				
								21-24	0.04	634 lbs	-87 lbs				

TRUSS Tr-43 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary						Deflection	(Loc)	Max. Allowed
TC :	0.72 (19 - 20)	LL(V): 0 in.	L / 999	(19-20)	L / 240			
BC :	0.78 (6 - 21)	LL(V): 0 in.	L / 999	(19-20)	L / 360			
Web :	0.24 (21 - 22)	DL(V): 0 in.	L / 999	(19-20)	L / 0			
		Cant / OH TL: 0 in.	2L / 51	4	2L / 240			
		Cant / OH LL: 0 in.	2L / 51	4	2L / 240			
		Horiz TL: <0.01 in.		4				
		Web :						
		Snow/Wind 0 in.	L / 999	(46-4)	L / 360			
		Cant (Snow/Wind) 0 in.	L / 51	4	L / 360			

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	1400 lbs	0 lbs	-50 lbs	0 lbs
5	Pin		-120 lbs	-10 lbs	0 lbs	-10 lbs	-120 lbs
6	HRoll		0 lbs	3660 lbs	0 lbs	-130 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
2-0-13	35-9-11

Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord			Bot Chord			Web			Web						
3-8	0.05	-49 lbs	-49 lbs	1-7	0.03	-52 lbs	-52 lbs	1-3	0.05	6 lbs	-2 lbs	5-8	0.03	-312 lbs	-312 lbs
8-9	0.10	165 lbs	-76 lbs	5-7	0.09	-179 lbs	-179 lbs	7-8	0.01	108 lbs	-35 lbs	9-10	0.07	-592 lbs	-592 lbs
9-11	0.18	487 lbs	-151 lbs	5-10	0.16	-500 lbs	-500 lbs	5-9	0.02	298 lbs	-101 lbs	11-12	0.10	-917 lbs	-917 lbs
11-13	0.26	991 lbs	-319 lbs	10-12	0.25	-1002 lbs	-1002 lbs	10-11	0.03	518 lbs	-173 lbs	13-14	0.14	-1249 lbs	-1249 lbs
13-15	0.35	1683 lbs	-548 lbs	12-14	0.33	-1694 lbs	-1694 lbs	12-13	0.05	792 lbs	-262 lbs	15-16	0.17	-1572 lbs	-1572 lbs
15-17	0.42	2566 lbs	-840 lbs	14-16	0.44	-2575 lbs	-2575 lbs	14-15	0.07	1061 lbs	-349 lbs	17-18	0.22	-1984 lbs	-1984 lbs
17-19	0.56	3693 lbs	-1211 lbs	16-18	0.59	-3700 lbs	-3700 lbs	16-17	0.08	1331 lbs	-437 lbs	6-19	0.22	-2030 lbs	-2030 lbs
19-20	0.72	4894 lbs	-1607 lbs	6-18	0.72	-4864 lbs	-4864 lbs	18-19	0.10	1658 lbs	-544 lbs	20-21	0.17	2745 lbs	-884 lbs
20-22	0.72	4894 lbs	-1607 lbs	6-21	0.78	-4864 lbs	-4864 lbs	6-20	0.22	-2142 lbs	-2142 lbs	22-23	0.17	2718 lbs	-895 lbs
22-24	0.70	3077 lbs	-1017 lbs	21-23	0.78	-3047 lbs	-3047 lbs	21-22	0.24	-2254 lbs	-2254 lbs	24-25	0.15	2339 lbs	-762 lbs
24-26	0.60	1250 lbs	-423 lbs	23-25	0.61	-1225 lbs	-1225 lbs	23-24	0.20	-1939 lbs	-1939 lbs	26-27	0.13	2007 lbs	-654 lbs
26-28	0.56	-1751 lbs	-1751 lbs	25-27	0.58	1739 lbs	-585 lbs	25-26	0.18	-1770 lbs	-1770 lbs	27-30	0.18	-1643 lbs	-1643 lbs
28-30	0.44	-2903 lbs	-2903 lbs	27-29	0.40	2892 lbs	-960 lbs	27-28	0.03	-257 lbs	-257 lbs	29-32	0.14	-1299 lbs	-1299 lbs
30-32	0.53	-3824 lbs	-3824 lbs	29-31	0.35	3814 lbs	-1261 lbs	29-30	0.06	1002 lbs	-327 lbs	31-34	0.10	-912 lbs	-912 lbs
32-34	0.54	-4479 lbs	-4479 lbs	31-33	0.31	4470 lbs	-1475 lbs	31-32	0.04	639 lbs	-209 lbs	33-36	0.06	-526 lbs	-526 lbs
34-36	0.54	-4860 lbs	-4860 lbs	33-35	0.31	-1600 lbs	-1600 lbs	33-34	0.02	123 lbs	-123 lbs	35-38	0.01	-112 lbs	-112 lbs
36-38	0.57	-4942 lbs	-4942 lbs	35-37	0.18	4935 lbs	-1628 lbs	35-36	0.01	96 lbs	-32 lbs	37-40	0.02	320 lbs	-103 lbs
38-40	0.58	-4942 lbs	-4942 lbs	37-39	0.31	4935 lbs	-1628 lbs	37-38	0.02	-193 lbs	-193 lbs	39-42	0.05	780 lbs	-253 lbs
40-42	0.56	-4708 lbs	-4708 lbs	39-41	0.34	4697 lbs	-1551 lbs	39-40	0.05	-489 lbs	-489 lbs	41-44	0.08	1258 lbs	-408 lbs
42-44	0.53	-4125 lbs	-4125 lbs	41-43	0.35	4109 lbs	-1360 lbs	41-42	0.08	-800 lbs	-800 lbs	43-46	0.11	1789 lbs	-581 lbs
44-46	0.47	-3169 lbs	-3169 lbs	43-45	0.53	3149 lbs	-1048 lbs	43-44	0.11	-1083 lbs	-1083 lbs	4-45	0.14	2299 lbs	-747 lbs
4-46	0.63	-1793 lbs	-1793 lbs	2-45	0.53	1767 lbs	-600 lbs	45-46	0.16	-1544 lbs	-1544 lbs				
								2-4	0.15	-1442 lbs	-1442 lbs				
								3-7	0.01	-101 lbs	-101 lbs				

Load Summary

1) This Truss has been designed in accordance with LRFD 2016.

2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf

3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II,

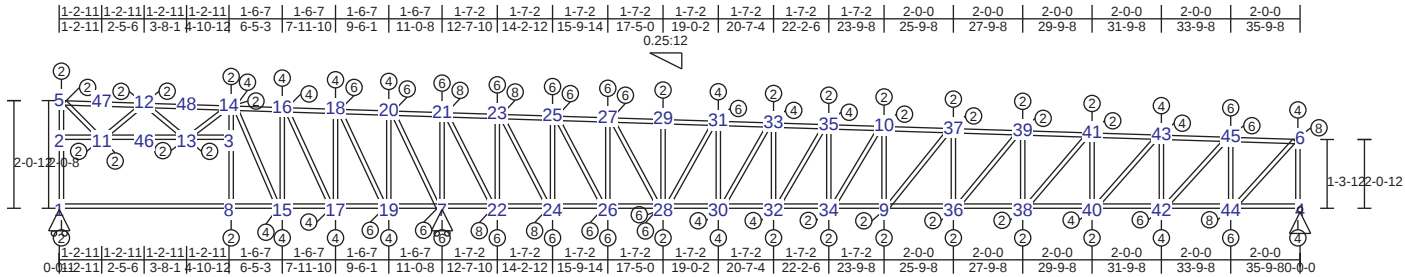
Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type:

Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.

4) Snow Criteria: None

5) For Wall Truss when sheathed $L_v = 12$ inches is used

TRUSS Tr-44 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.69 (21 - 23)	TL(V): 0.03 in.	L / 999	(1-8)	L / 240
BC : 0.77 (7 - 22)	LL(V): -0.01 in.	L / 999	(1-8)	L / 360
Web : 0.57 (2 - 5)	DL(V): -0.01 in.	L / 999	(1-8)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: -0.03 in.		6	
	Web :			
	Snow/Wind 0 in.	L / 999	(39-41)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

- Load Summary**
- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This Truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	180 lbs	0 lbs	-10 lbs	0 lbs
4	Pin		-120 lbs	1480 lbs	0 lbs	-50 lbs	-120 lbs
7	HRoll		0 lbs	3400 lbs	0 lbs	-120 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
2'-0"-14"	35'-9"-8"

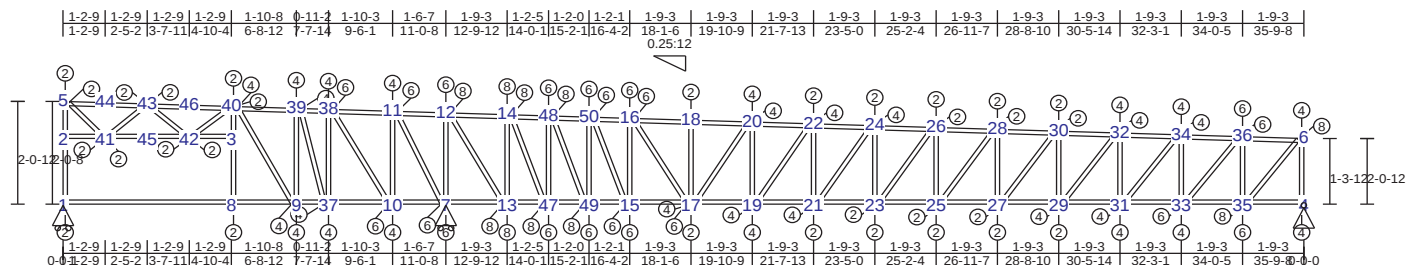
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
5-12	0.24	-538 lbs	-538 lbs	1-8	0.11	-168 lbs	-168 lbs	1-2	0.43	-189 lbs	-189 lbs	18-19	0.18	-1678 lbs	-1678 lbs
12-14	0.27	656 lbs	-538 lbs	8-15	0.29	-958 lbs	-958 lbs	2-5	0.57	-263 lbs	-263 lbs	7-20	0.19	-1769 lbs	-1769 lbs
14-16	0.56	967 lbs	-300 lbs	15-17	0.32	-1678 lbs	-1678 lbs	3-8	0.13	77 lbs	-25 lbs	21-22	0.16	2576 lbs	-837 lbs
16-18	0.34	1684 lbs	-533 lbs	17-19	0.45	-2659 lbs	-2659 lbs	3-14	0.18	134 lbs	-44 lbs	23-24	0.16	2589 lbs	-841 lbs
18-20	0.48	2668 lbs	-853 lbs	7-19	0.56	-3705 lbs	-3705 lbs	15-16	0.06	921 lbs	-297 lbs	25-26	0.14	2249 lbs	-730 lbs
20-21	0.67	3750 lbs	-1206 lbs	7-22	0.77	-3705 lbs	-3705 lbs	17-18	0.06	1030 lbs	-333 lbs	27-28	0.12	1955 lbs	-635 lbs
21-23	0.69	3750 lbs	-1206 lbs	22-24	0.77	-2119 lbs	-2119 lbs	19-20	0.09	1384 lbs	-448 lbs	28-31	0.18	-1636 lbs	-1636 lbs
23-25	0.69	2166 lbs	-692 lbs	24-26	0.61	911 lbs	-507 lbs	7-21	0.22	-2091 lbs	-2091 lbs	30-33	0.14	-1342 lbs	-1342 lbs
25-27	0.59	-909 lbs	-909 lbs	26-28	0.58	2158 lbs	-698 lbs	22-23	0.23	-2242 lbs	-2242 lbs	32-35	0.11	-1006 lbs	-1006 lbs
27-29	0.56	-2154 lbs	-2154 lbs	28-30	0.41	3226 lbs	-1045 lbs	24-25	0.20	-1942 lbs	-1942 lbs	10-34	0.07	-691 lbs	-691 lbs
29-31	0.51	-3221 lbs	-3221 lbs	30-32	0.39	4112 lbs	-1332 lbs	26-27	0.19	-1805 lbs	-1805 lbs	9-37	0.04	-323 lbs	-323 lbs
31-33	0.56	-4106 lbs	-4106 lbs	32-34	0.35	4785 lbs	-1550 lbs	28-29	0.02	-232 lbs	-232 lbs	36-39	0.01	194 lbs	-65 lbs
33-35	0.56	-4778 lbs	-4778 lbs	9-34	0.35	5252 lbs	-1700 lbs	30-31	0.07	1106 lbs	-359 lbs	38-41	0.05	737 lbs	-242 lbs
10-35	0.61	-5244 lbs	-5244 lbs	9-36	0.33	5503 lbs	-1780 lbs	32-33	0.05	751 lbs	-243 lbs	40-43	0.08	1313 lbs	-430 lbs
10-37	0.63	-5494 lbs	-5494 lbs	36-38	0.20	5503 lbs	-1780 lbs	34-35	0.03	534 lbs	-172 lbs	42-45	0.12	1949 lbs	-637 lbs
37-39	0.65	-5494 lbs	-5494 lbs	38-40	0.37	5351 lbs	-1729 lbs	36-37	0.01	-101 lbs	-101 lbs	6-44	0.16	2590 lbs	-846 lbs
39-41	0.64	-5345 lbs	-5345 lbs	40-42	0.38	4765 lbs	-1536 lbs	38-39	0.04	-424 lbs	-424 lbs	5-11	0.02	256 lbs	-86 lbs
41-43	0.60	-4764 lbs	-4764 lbs	42-44	0.55	3708 lbs	-1191 lbs	40-41	0.08	-767 lbs	-767 lbs	11-12	0.01	-110 lbs	-110 lbs
43-45	0.53	-3713 lbs	-3713 lbs	4-44	0.55	2122 lbs	-673 lbs	42-43	0.11	-1084 lbs	-1084 lbs	12-13	0.07	-729 lbs	-729 lbs
6-45	0.68	-2133 lbs	-2133 lbs	2-11	0.06	607 lbs	-185 lbs	44-45	0.16	-1575 lbs	-1575 lbs	13-14	0.04	621 lbs	-197 lbs
				11-13	0.13	704 lbs	-220 lbs	4-6	0.15	-1517 lbs	-1517 lbs				
				3-13	0.22	-495 lbs	-495 lbs	9-10	0.01	229 lbs	-73 lbs				
								14-15	0.12	-1085 lbs	-1085 lbs				
								16-17	0.14	-1245 lbs	-1245 lbs				

TRUSS Tr-45 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary		Deflection	Section	Max. Allowed
TC :	0.75 (12 - 14)	TL(V) : 0.02 in.	L / 999	L / 240
BC :	0.83 (7 - 13)	LL(V) : -0.01 in.	L / 999	L / 360
Web :	0.55 (2 - 5)	DL(V) : -0.01 in.	L / 999	L / 0
		Cant / OH TL : 0 in.	2L / 45	2L / 240
		Cant / OH LL : 0 in.	2L / 45	2L / 240
		Horiz TL : -0.03 in.		
		Web :		
		Snow/Wind 0 in.	L / 999	30
		Cant (Snow/Wind) 0 in.	L / 91	6
				L / 360
				L / 360

Load Summary

1) This Truss has been designed in accordance with LRFD 2016.

2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf

3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II,

Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.

4) Snow Criteria: None

5) For Wall Truss when sheathed $L_v = 12$ inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	180 lbs	0 lbs	-20 lbs	0 lbs
4	Pin		-120 lbs	1490 lbs	0 lbs	-40 lbs	-120 lbs
7	HRoll		0 lbs	3630 lbs	0 lbs	-40 lbs	0 lbs

Materials

Material			Material Exception		
Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
2-0-13	35-9-8

Material Design Pass

Point Loads

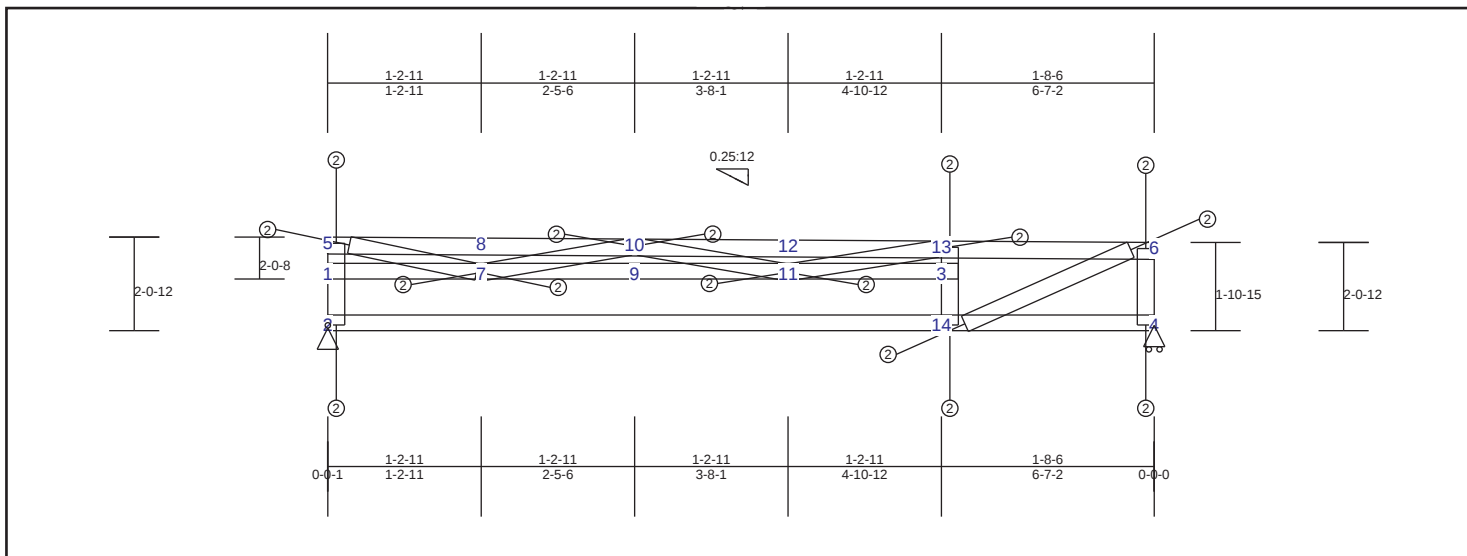
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB37-38	1-9-6	1-9-6	Concentrated	Dead	Down	Global	42 lbs	42 lbs	0 in.
WB49-50	1-7-9	1-7-9	Concentrated	Dead	Down	Global	42 lbs	42 lbs	0 in.
WB37-38	1-9-6	1-9-6	Concentrated	Live	Down	Global	37 lbs	37 lbs	0 in.
WB49-50	1-7-9	1-7-9	Concentrated	Live	Down	Global	37 lbs	37 lbs	0 in.
WB37-38	1-9-6	1-9-6	Concentrated	Wind	Up	Global	-39 lbs	-39 lbs	0 in.
WB49-50	1-7-9	1-7-9	Concentrated	Wind	Down	Global	39 lbs	39 lbs	0 in.
WB37-38	1-9-6	1-9-6	Concentrated	Wind	Up	Global	-39 lbs	-39 lbs	0 in.
WB49-50	1-7-9	1-7-9	Concentrated	Wind	Down	Global	39 lbs	39 lbs	0 in.
WB37-38	1-9-6	1-9-6	Concentrated	Wind	Down	Global	15 lbs	15 lbs	0 in.
WB49-50	1-7-9	1-7-9	Concentrated	Wind	Down	Global	15 lbs	15 lbs	0 in.

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
5-43	0.24	-534 lbs	-534 lbs	1-8	0.10	-161 lbs	-161 lbs	1-2	0.42	-191 lbs	-191 lbs	7-11	0.21	-1942 lbs	-1942 lbs
40-43	0.26	627 lbs	-534 lbs	8-9	0.29	-1078 lbs	-1078 lbs	2-5	0.55	-263 lbs	-263 lbs	12-13	0.18	2800 lbs	-810 lbs
39-40	0.55	1086 lbs	-311 lbs	9-37	0.34	-1504 lbs	-1504 lbs	10-11	0.09	1457 lbs	-463 lbs	16-17	0.12	1896 lbs	-628 lbs
38-39	0.36	1511 lbs	-447 lbs	10-37	0.48	-2762 lbs	-2762 lbs	7-12	0.23	-2176 lbs	-2176 lbs	17-20	0.17	-1538 lbs	-1538 lbs
11-38	0.50	2771 lbs	-847 lbs	7-10	0.60	-3911 lbs	-3911 lbs	13-14	0.25	-2442 lbs	-2442 lbs	19-22	0.13	-1187 lbs	-1187 lbs
11-12	0.71	3958 lbs	-1229 lbs	7-13	0.63	-3911 lbs	-3911 lbs	15-16	0.18	-1751 lbs	-1751 lbs	21-24	0.09	-797 lbs	-797 lbs
12-14	0.75	3958 lbs	-1229 lbs	13-47	0.83	-2056 lbs	-2056 lbs	17-18	0.03	-254 lbs	-254 lbs	23-26	0.04	-407 lbs	-407 lbs
14-48	0.75	106 lbs	-695 lbs	47-49	0.69	-744 lbs	-744 lbs	30-37	0.06	-307 lbs	-307 lbs	25-26	0.00	28 lbs	0 lbs
48-50	0.66	790 lbs	-385 lbs	15-49	0.64	1403 lbs	-336 lbs	21-22	0.04	560 lbs	-190 lbs	27-30	0.03	449 lbs	-133 lbs
16-50	0.57	-1402 lbs	-1402 lbs	15-17	0.57	2704 lbs	-767 lbs	23-24	0.02	301 lbs	-106 lbs	29-32	0.06	915 lbs	-284 lbs
16-18	0.54	-2700 lbs	-2700 lbs	17-19	0.39	3784 lbs	-1125 lbs	25-26	0.00	-18 lbs	-18 lbs	31-34	0.09	1398 lbs	-441 lbs
18-20	0.52	-3778 lbs	-3778 lbs	19-21	0.39	4627 lbs	-1407 lbs	27-28	0.03	-279 lbs	-279 lbs	33-36	0.12	1936 lbs	-616 lbs
20-22	0.59	-4620 lbs	-4620 lbs	21-23	0.34	5200 lbs	-1602 lbs	29-30	0.06	-577 lbs	-577 lbs	6-35	0.15	2449 lbs	-782 lbs
22-24	0.60	-5192 lbs	-5192 lbs	23-25	0.34	5496 lbs	-1707 lbs	31-32	0.09	-891 lbs	-891 lbs	10-38	0.21	-1886 lbs	-1886 lbs
24-26	0.61	-5487 lbs	-5487 lbs	25-27	0.19	5496 lbs	-1713 lbs	33-34	0.12	-1175 lbs	-1175 lbs	37-39	0.13	-1223 lbs	-1223 lbs
26-28	0.64	-5487 lbs	-5487 lbs	27-29	0.35	5487 lbs	-1713 lbs	35-36	0.17	-1646 lbs	-1646 lbs	9-40	0.13	-1135 lbs	-1135 lbs
28-30	0.64	-5479 lbs	-5479 lbs	29-31	0.38	5153 lbs	-1613 lbs	4-6	0.15	-1530 lbs	-1530 lbs	41-41	0.02	256 lbs	-92 lbs
30-32	0.61	-5149 lbs	-5149 lbs	31-33	0.38	4463 lbs	-1399 lbs	37-38	0.07	1069 lbs	-337 lbs	5-43	0.01	-117 lbs	-117 lbs
32-34	0.57	-3644 lbs	-3644 lbs	33-35	0.57	3995 lbs	-586 lbs	9-39	0.06	710 lbs	-307 lbs	42-43	0.01	-407 lbs	-407 lbs
34-36	0.50	-3401 lbs	-3401 lbs	4-35	0.57	1899 lbs	-586 lbs	3-8	0.11	59 lbs	-17 lbs	40-42	0.04	605 lbs	-184 lbs
6-36	0.67	-1911 lbs	-1911 lbs	2-41	0.06	589 lbs	-166 lbs	3-4	0.22	114 lbs	-33 lbs	14-47	0.17	2689 lbs	-769 lbs
				41-42	0.12	692 lbs	-218 lbs	47-48	0.23	-2244 lbs	-2244 lbs	48-49	0.15	2347 lbs	-669 lbs
				3-42	0.21	-473 lbs	-473 lbs	49-50	0.21	-2041 lbs	-2041 lbs	15-50	0.13	2072 lbs	-676 lbs

TRUSS Tr-46 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section. Member 2-5 is a cantilever member, and its configuration may result in frame instability. A k value of 1 has been assumed for this member. Further review of this truss component will be required to determine if it is subject to frame instability.

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.27 (5 - 10)	TL(V): 0.03 in.	L / 999	(2-14)	L / 240
BC :	0.23 (1 - 7)	LL(V): 0.01 in.	L / 999	(2-14)	L / 360
Web :	0.43 (1 - 5)	DL(V): 0.01 in.	L / 999	(2-14)	L / 0
		Cant / OH TL: 0 in.	2L / 15	13	2L / 240
		Cant / OH LL: 0 in.	2L / 15	13	2L / 240
		Horiz TL: -0.02 in.		7	
		Web :			
		Snow/Wind 0 in.	L / 999	5	L / 360
		Cant (Snow/Wind) 0 in.	L / 15	13	L / 360

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	Pin		-110 lbs	460 lbs	0 lbs	0 lbs	-110 lbs
4	HRoll		0 lbs	460 lbs	0 lbs	-30 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions
Top Chd	350S162-43(50)	Sheathing	Section
Bot Chd	350S150-43(50)	Sheathing	Material
Web	350S162-43(50)	Unbraced	Bracing

Truss Dimensions

Max Height	Max Width
2-0-12	6-7-2

Material Design Pass

Member Forces Summary

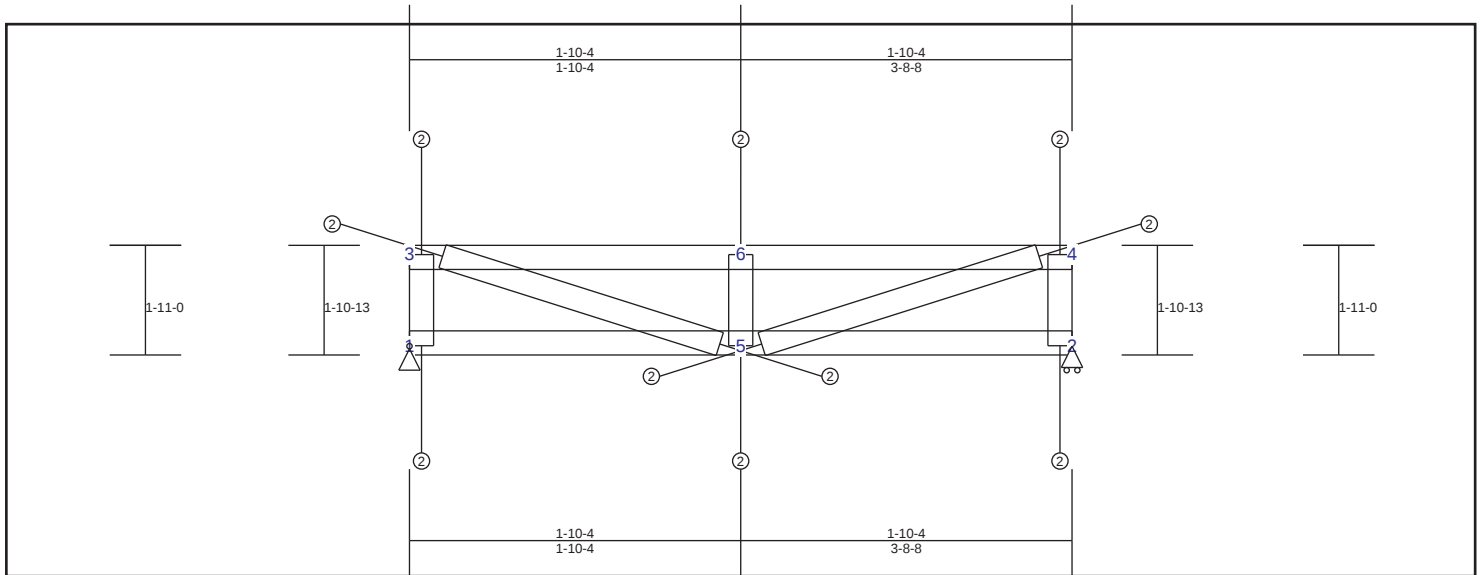
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
Member Id	CSI	Max Axial Force	Max Comp. Force	Member Id	CSI	Max Axial Force	Max Comp. Force	Member Id	CSI	Max Axial Force	Max Comp. Force
5-10	0.27	-895 lbs	-895 lbs	1-7	0.23	-328 lbs	-328 lbs	1-2	0.33	-449 lbs	-449 lbs
10-13	0.25	-895 lbs	-895 lbs	7-11	0.15	742 lbs	-230 lbs	1-5	0.43	-449 lbs	-449 lbs
6-13	0.19	-509 lbs	-509 lbs	3-11	0.07	614 lbs	-188 lbs	3-14	0.28	-401 lbs	-401 lbs
				2-14	0.04	153 lbs	-120 lbs	3-13	0.35	-446 lbs	-446 lbs
				4-14	0.18	281 lbs	-146 lbs	4-6	0.05	-459 lbs	-459 lbs
								5-7	0.03	478 lbs	-146 lbs
								11-13	0.02	296 lbs	-108 lbs
								7-10	0.08	-762 lbs	-762 lbs
								10-11	0.02	-145 lbs	-145 lbs
								6-14	0.03	483 lbs	-186 lbs

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

TRUSS Tr-47 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. MAX CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L	(Loc)	Max. Allowed
TC: 0.14 (6 - 4)	TL(V): 0 in.	L / 999	3	L / 240
BC: 0.13 (1 - 5)	LL(V): 0 in.	L / 999	3	L / 360
Web: 0.06 (5 - 6)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: 0 in.		3	
	Web:			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

1) This Truss has been designed in accordance with LRFD 2016.

2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf

3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.

4) Snow Criteria: None

5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-100 lbs	350 lbs	0 lbs	-50 lbs	-100 lbs
2	HRoll		0 lbs	350 lbs	0 lbs	-20 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
1-11-0	3-8-8

Material Design Pass

Point Loads

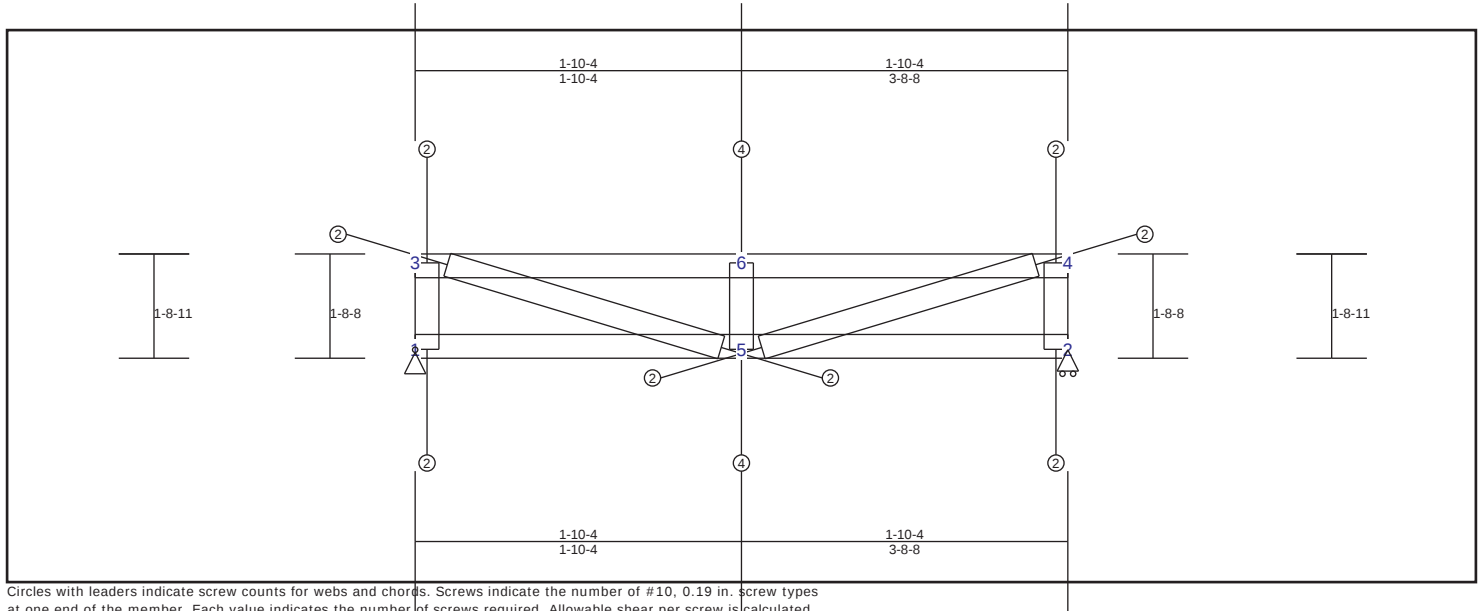
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB5-6	1-9-6	1-9-6	Concentrated	Dead	Down	Global	86 lbs	86 lbs	0 in.
WB5-6	1-9-6	1-9-6	Concentrated	Live	Down	Global	75 lbs	75 lbs	0 in.
WB5-6	1-9-6	1-9-6	Concentrated	Wind	Up	Global	-79 lbs	-79 lbs	0 in.
WB5-6	1-9-6	1-9-6	Concentrated	Wind	Up	Global	-79 lbs	-79 lbs	0 in.
WB5-6	1-9-6	1-9-6	Concentrated	Wind	Down	Global	30 lbs	30 lbs	0 in.

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord	Bot Chord	Web
3-6 0.14 -245 lbs -245 lbs	1-5 0.13 245 lbs -129 lbs	1-3 0.04 -348 lbs -348 lbs
4-6 0.14 -245 lbs -245 lbs	2-5 0.13 245 lbs -129 lbs	2-4 0.05 -348 lbs -348 lbs
		5-6 0.06 -583 lbs -583 lbs
		4-5 0.02 379 lbs -141 lbs
		3-5 0.02 379 lbs -168 lbs

TRUSS Tr-48 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary		Deflection		(Loc)		Max. Allowed	
TC :	0.22 (3 - 6)	TL(V):	0 in.	L / 999	3	L / 240	
BC :	0.22 (1 - 5)	LL(V):	0 in.	L / 999	3	L / 360	
Web :	0.11 (5 - 6)	DL(V):	0 in.	L / 999	3	L / 0	
		Cant / OH TL:	0 in.	2L / 999	0	2L / 0	
		Cant / OH LL:	0 in.	2L / 999	0	2L / 0	
		Horiz TL:	0 in.		3		
		Web :					
		Snow/Wind	0 in.	L / 999	3	L / 360	
		Cant (Snow/Wind)	0 in.	L / 999	0	L / 0	

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 17.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-90 lbs	540 lbs	0 lbs	-50 lbs	-90 lbs
2	HRoll		0 lbs	540 lbs	0 lbs	-20 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-8-11	3-8-8

Material Design Pass

Point Loads

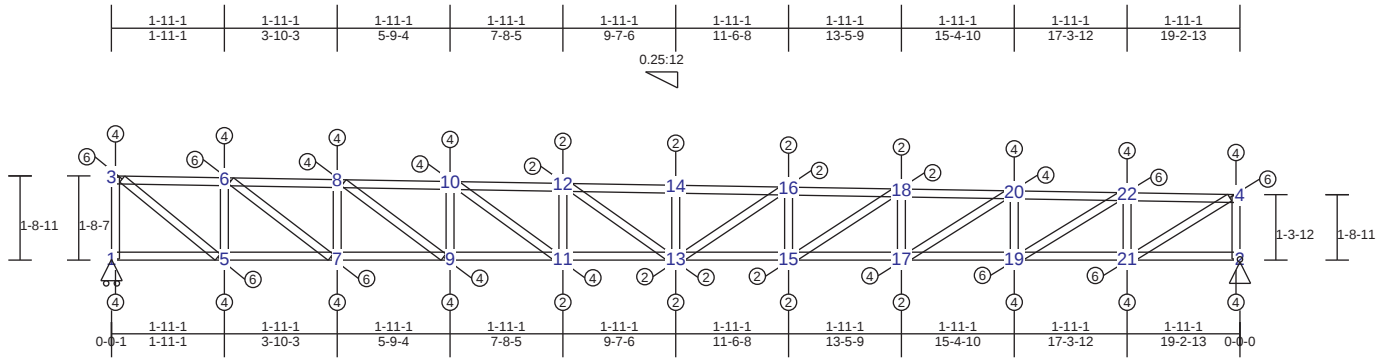
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB5-6	1-7-1	1-7-1	Concentrated	Dead	Down	Global	221 lbs	221 lbs	0 in.
WB5-6	1-7-1	1-7-1	Concentrated	Live	Down	Global	193 lbs	193 lbs	0 in.
WB5-6	1-7-1	1-7-1	Concentrated	Wind	Up	Global	-203 lbs	-203 lbs	0 in.
WB5-6	1-7-1	1-7-1	Concentrated	Wind	Up	Global	-203 lbs	-203 lbs	0 in.
WB5-6	1-7-1	1-7-1	Concentrated	Wind	Down	Global	77 lbs	77 lbs	0 in.

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
3-6	0.22	-471 lbs	-471 lbs	1-5	0.22	471 lbs	-196 lbs	2-4	0.06	-534 lbs	-534 lbs
4-6	0.22	-471 lbs	-471 lbs	2-5	0.22	471 lbs	-196 lbs	1-3	0.06	-534 lbs	-534 lbs
								5-6	0.11	-997 lbs	-997 lbs
								3-5	0.04	683 lbs	-263 lbs
								4-5	0.04	683 lbs	-235 lbs

TRUSS Tr-49 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L /	(Loc)	Max. Allowed
TC : 0.60 (22 - 4)	TL(V): 0 in.	L / 999	(22-4)	L / 240
BC : 0.49 (1 - 5)	LL(V): 0 in.	L / 999	(22-4)	L / 360
Web : 0.17 (5 - 6)	DL(V): 0 in.	L / 999	(20-22)	L / 0
	Cant / OH TL: 0 in.	2L / 999	(1-5)	2L / 240
	Cant / OH LL: 0 in.	2L / 999	(1-5)	2L / 240
	Horiz TL: -0.02 in.		4	
	Web :			
	Snow/Wind 0 in.	L / 999	(22-4)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	(1-5)	L / 360

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1360 lbs	0 lbs	-50 lbs	0 lbs
2	Pin		-90 lbs	1350 lbs	0 lbs	-50 lbs	-90 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-8-12	19-2-14

Material Design Pass

Member Forces Summary

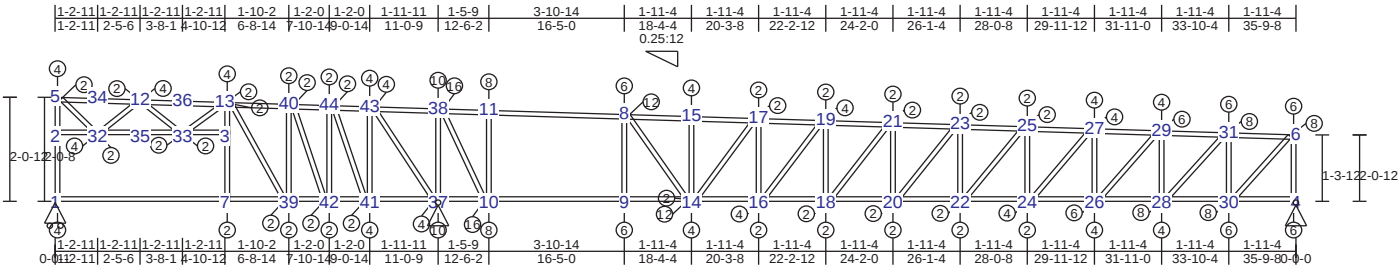
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
3-6	0.58	-1484 lbs	-1484 lbs	1-5	0.49	1478 lbs	-470 lbs	1-3	0.15	-1396 lbs	-1396 lbs
6-8	0.44	-2739 lbs	-2739 lbs	5-7	0.49	2736 lbs	-878 lbs	5-6	0.17	-1551 lbs	-1551 lbs
8-10	0.51	-3696 lbs	-3696 lbs	7-9	0.33	3694 lbs	-1188 lbs	7-8	0.12	-1127 lbs	-1127 lbs
10-12	0.54	-4344 lbs	-4344 lbs	9-11	0.33	4344 lbs	-1397 lbs	9-10	0.09	-861 lbs	-861 lbs
12-14	0.56	-4651 lbs	-4651 lbs	11-13	0.30	4652 lbs	-1496 lbs	11-12	0.06	-554 lbs	-554 lbs
14-16	0.55	-4651 lbs	-4651 lbs	13-15	0.17	4652 lbs	-1496 lbs	13-14	0.03	-282 lbs	-282 lbs
16-18	0.56	-4593 lbs	-4593 lbs	15-17	0.31	4593 lbs	-1475 lbs	15-16	0.04	-332 lbs	-332 lbs
18-20	0.53	-4138 lbs	-4138 lbs	17-19	0.32	4133 lbs	-1323 lbs	17-18	0.07	-678 lbs	-678 lbs
20-22	0.47	-3250 lbs	-3250 lbs	19-21	0.47	3240 lbs	-1030 lbs	19-20	0.10	-981 lbs	-981 lbs
4-22	0.60	-1874 lbs	-1874 lbs	2-21	0.47	1858 lbs	-578 lbs	21-22	0.15	-1462 lbs	-1462 lbs
								2-4	0.15	-1390 lbs	-1390 lbs
								3-5	0.13	2090 lbs	-678 lbs
								6-7	0.10	1723 lbs	-559 lbs
								8-9	0.08	1296 lbs	-419 lbs
								10-11	0.05	870 lbs	-281 lbs
								12-13	0.02	407 lbs	-130 lbs
								13-16	0.00	76 lbs	-27 lbs
								15-18	0.04	588 lbs	-194 lbs
								17-20	0.07	1128 lbs	-370 lbs
								19-22	0.10	1726 lbs	-564 lbs
								4-21	0.14	2316 lbs	-757 lbs

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

TRUSS Tr-50 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.99 (8 - 15)	TL(V): 0.12 in.	L / 999	(10-9)	L / 240
BC : 0.99 (37 - 10)	LL(V): 0.05 in.	L / 999	(10-9)	L / 360
Web : 0.97 (2 - 5)	DL(V): 0.06 in.	L / 999	(10-9)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: -0.08 in.		31	
	Web :			
	Snow/Wind -0.03 in.	L / 999	(10-9)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	780 lbs	0 lbs	-30 lbs	0 lbs
4	Pin		-4560 lbs	1750 lbs	0 lbs	-60 lbs	-4560 lbs
37	Pin		4570 lbs	2770 lbs	0 lbs	-90 lbs	4570 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
2'-0"-13	35'-9"-8

Material Design Pass

Point Loads

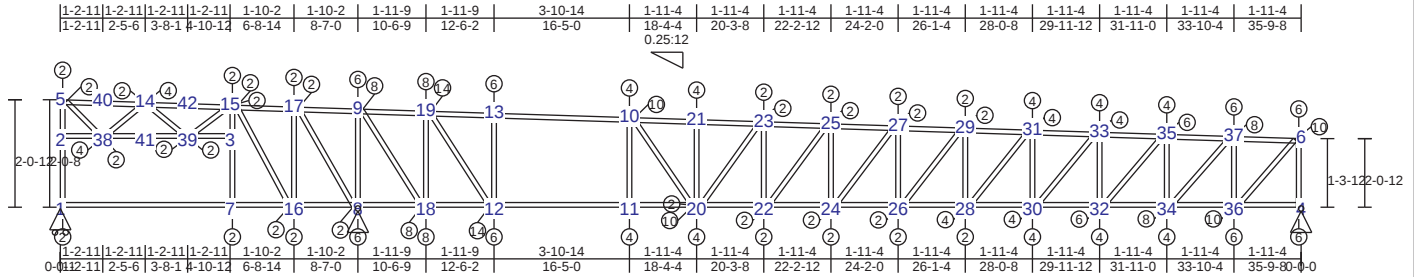
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB39-40	1-9-8	1-9-8	Concentrated	Dead	Down	Global	43 lbs	43 lbs	0 in.
WB8-9	1-7-2	1-7-2	Concentrated	Dead	Down	Global	43 lbs	43 lbs	0 in.
WB39-40	1-9-8	1-9-8	Concentrated	Live	Down	Global	37 lbs	37 lbs	0 in.
WB8-9	1-7-2	1-7-2	Concentrated	Live	Down	Global	37 lbs	37 lbs	0 in.
WB39-40	1-9-8	1-9-8	Concentrated	Wind	Up	Global	-39 lbs	-39 lbs	0 in.
WB8-9	1-7-2	1-7-2	Concentrated	Wind	Up	Global	-39 lbs	-39 lbs	0 in.
WB39-40	1-9-8	1-9-8	Concentrated	Wind	Up	Global	-39 lbs	-39 lbs	0 in.
WB8-9	1-7-2	1-7-2	Concentrated	Wind	Up	Global	-39 lbs	-39 lbs	0 in.
WB39-40	1-9-8	1-9-8	Concentrated	Wind	Down	Global	15 lbs	15 lbs	0 in.
WB8-9	1-7-2	1-7-2	Concentrated	Wind	Down	Global	15 lbs	15 lbs	0 in.

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord			Bot Chord			Web			Web		
5-12	0.41	-1340 lbs	-1340 lbs	1-7	0.09	526 lbs	-164 lbs	1-2	0.95	-750 lbs	-750 lbs
12-13	0.51	-1854 lbs	-1854 lbs	7-39	0.13	1158 lbs	-370 lbs	2-5	0.97	-750 lbs	-750 lbs
13-40	0.47	-1854 lbs	-1854 lbs	39-42	0.16	1158 lbs	-370 lbs	3-7	0.92	-118 lbs	-118 lbs
40-44	0.29	-1162 lbs	-1162 lbs	41-42	0.33	898 lbs	-286 lbs	3-13	0.96	-270 lbs	-270 lbs
43-44	0.29	-903 lbs	-903 lbs	37-41	0.96	-5020 lbs	-5020 lbs	14-15	0.17	-1539 lbs	-1539 lbs
38-43	0.96	-596 lbs	-596 lbs	10-37	0.99	-5020 lbs	-5020 lbs	16-17	0.03	503 lbs	-163 lbs
11-38	3.47	-3025 lbs	-3025 lbs	9-10	0.98	-1577 lbs	-1577 lbs	18-19	0.01	232 lbs	-74 lbs
8-11	3.47	-3025 lbs	-3025 lbs	9-14	0.98	1606 lbs	-1577 lbs	20-21	0.01	-96 lbs	-96 lbs
8-15	0.99	-6195 lbs	-6195 lbs	14-16	0.61	2089 lbs	-683 lbs	22-23	0.04	-412 lbs	-412 lbs
15-17	0.97	-6658 lbs	-6658 lbs	16-18	0.19	2750 lbs	-897 lbs	24-25	0.08	-741 lbs	-741 lbs
17-19	0.90	-7315 lbs	-7315 lbs	18-20	0.19	2962 lbs	-964 lbs	26-27	0.11	-1089 lbs	-1089 lbs
19-21	0.83	-7526 lbs	-7526 lbs	20-22	0.12	2962 lbs	-964 lbs	28-29	0.15	-1401 lbs	-1401 lbs
21-23	0.97	-7526 lbs	-7526 lbs	22-24	0.21	2830 lbs	-920 lbs	30-31	0.20	-1934 lbs	-1934 lbs
23-25	0.85	-7397 lbs	-7397 lbs	24-26	0.34	2296 lbs	-745 lbs	4-6	0.19	-1805 lbs	-1805 lbs
25-27	0.81	-6868 lbs	-6868 lbs	26-28	0.41	1326 lbs	-427 lbs	10-11	0.29	-2673 lbs	-2673 lbs
27-29	0.76	-5903 lbs	-5903 lbs	28-30	0.60	-2082 lbs	-2082 lbs	8-9	0.19	-1733 lbs	-1733 lbs
29-31	0.65	-4470 lbs	-4470 lbs	4-30	0.63	-4556 lbs	-4556 lbs	37-38	0.39	-3535 lbs	-3535 lbs
6-31	0.78	-2507 lbs	-2507 lbs	2-32	0.64	-1161 lbs	-1161 lbs	39-40	0.00	-28 lbs	-28 lbs
				32-33	0.27	1263 lbs	-523 lbs	41-43	0.06	913 lbs	-296 lbs
				3-33	0.15	1329 lbs	-430 lbs	42-44	0.03	453 lbs	-146 lbs

TRUSS Tr-51 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC :	3.68 (10 - 21)	TL(V): 0.12 in.	L / 999	L / 240
BC :	3.16 (18 - 12)	LL(V): 0.06 in.	L / 999	L / 360
Web :	0.59 (2 - 5)	DL(V): 0.07 in.	L / 999	L / 0
		Cant / OH TL: 0 in.	2L / 999	0
		Cant / OH LL: 0 in.	2L / 999	0
		Horiz TL: -0.08 in.	37	2L / 0
		Web :		
		Snow/Wind 0.03 in.	L / 999	L / 360
		Cant (Snow/Wind) 0 in.	L / 999	L / 0

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4)Snow Criteria: None
- 5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	510 lbs	0 lbs	-20 lbs	0 lbs
4	Pin		-5170 lbs	1900 lbs	0 lbs	-70 lbs	-5170 lbs
8	Pin		5190 lbs	2650 lbs	0 lbs	-90 lbs	5190 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
2'-0-13	35'-9-8

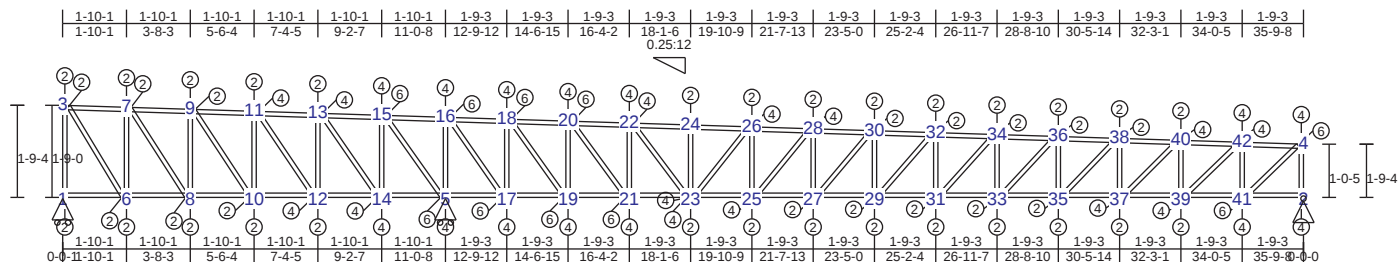
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
5-14	0.30	-991 lbs	-991 lbs	1-7	0.03	220 lbs	-73 lbs	1-2	0.46	-503 lbs	-503 lbs
14-15	0.29	-991 lbs	-991 lbs	7-16	0.11	409 lbs	-125 lbs	2-5	0.59	-503 lbs	-503 lbs
15-17	0.14	-744 lbs	-744 lbs	8-16	0.75	-5475 lbs	-5475 lbs	3-7	0.35	-22 lbs	-22 lbs
9-17	0.60	323 lbs	-150 lbs	8-18	1.46	-5475 lbs	-5475 lbs	3-15	0.47	-83 lbs	-83 lbs
9-19	0.77	-1354 lbs	-1354 lbs	12-18	3.16	-3835 lbs	-3835 lbs	16-17	0.02	321 lbs	-103 lbs
13-19	3.13	-4970 lbs	-4970 lbs	11-12	2.91	-238 lbs	-238 lbs	18-19	0.32	-2929 lbs	-2929 lbs
10-13	3.13	-4970 lbs	-4970 lbs	11-20	2.91	2530 lbs	-826 lbs	20-21	0.15	-1354 lbs	-1354 lbs
10-21	3.68	-7735 lbs	-7735 lbs	20-22	0.53	2931 lbs	-956 lbs	22-23	0.02	375 lbs	-121 lbs
21-23	1.42	-8118 lbs	-8118 lbs	22-24	0.15	3430 lbs	-1117 lbs	24-25	0.01	96 lbs	-30 lbs
23-25	1.02	-8614 lbs	-8614 lbs	24-26	0.13	3489 lbs	-1135 lbs	26-27	0.02	-233 lbs	-233 lbs
25-27	0.97	-8672 lbs	-8672 lbs	26-28	0.18	3489 lbs	-1135 lbs	28-29	0.06	-554 lbs	-554 lbs
27-29	0.99	-8672 lbs	-8672 lbs	28-30	0.25	3192 lbs	-1037 lbs	30-31	0.09	-887 lbs	-887 lbs
29-31	0.96	-8380 lbs	-8380 lbs	30-32	0.38	2483 lbs	-805 lbs	32-33	0.13	-1239 lbs	-1239 lbs
31-33	0.91	-7677 lbs	-7677 lbs	32-34	0.46	1328 lbs	-428 lbs	34-35	0.16	-1553 lbs	-1553 lbs
33-35	0.84	-6527 lbs	-6527 lbs	34-36	0.66	-2485 lbs	-2485 lbs	36-37	0.22	-2103 lbs	-2103 lbs
35-37	0.71	-4898 lbs	-4898 lbs	4-36	0.70	-5174 lbs	-5174 lbs	4-6	0.20	-1953 lbs	-1953 lbs
6-37	0.85	-2726 lbs	-2726 lbs	2-38	0.28	-473 lbs	-473 lbs	8-9	0.22	-1974 lbs	-1974 lbs
				38-39	0.15	776 lbs	-243 lbs	12-13	0.22	-1976 lbs	-1976 lbs
				3-39	0.07	735 lbs	-233 lbs	10-11	0.16	-1497 lbs	-1497 lbs
								15-16	0.05	-416 lbs	-416 lbs
								8-17	0.08	-649 lbs	-649 lbs
								9-18	0.14	2359 lbs	-767 lbs
								12-19	0.31	5115 lbs	-1662 lbs
								10-20	0.23	3827 lbs	-1242 lbs

TRUSS Tr-52 (spacing 15 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC: 0.50 (15 - 16)	TL(V): 0 in.	L / 999	(42-4)	L / 240
BC: 0.54 (14 - 5)	LL(V): 0 in.	L / 999	(42-4)	L / 360
Web: 0.17 (15 - 5)	DL(V): 0 in.	L / 999	(38-40)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: -0.02 in.		4	
Web:				
	Snow/Wind 0 in.	L / 999	(36-38)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Lv = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-30 lbs	0 lbs	-30 lbs	0 lbs
2	Pin		-60 lbs	860 lbs	0 lbs	-30 lbs	-60 lbs
5	HRoll		0 lbs	2330 lbs	0 lbs	-80 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S162-43(50)	Sheathing			
Bot Chd	350S162-43(50)	Sheathing			
Web	350S162-43(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-9-5	35-9-8

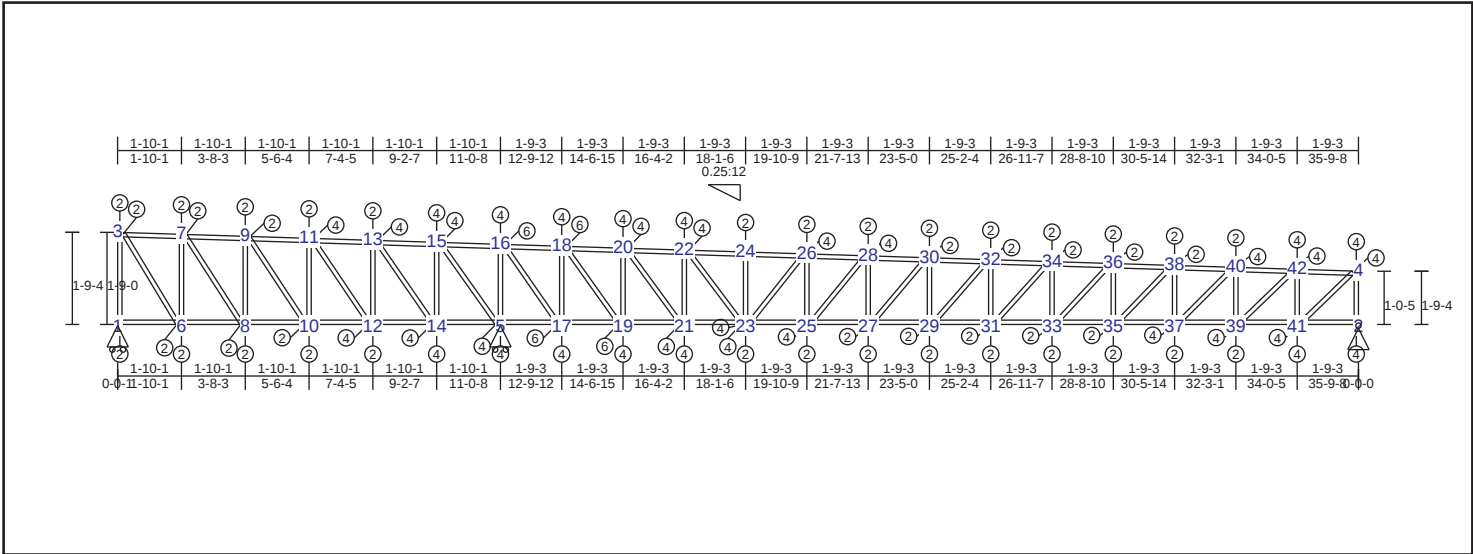
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
3-7	0.07	111 lbs	-45 lbs	1-6	0.04	-109 lbs	-109 lbs	1-3	0.02	36 lbs	-11 lbs	0.11	-1044 lbs	-1044 lbs	
7-9	0.13	432 lbs	-134 lbs	6-8	0.11	-430 lbs	-430 lbs	6-7	0.01	129 lbs	-41 lbs	0.15	-1407 lbs	-1407 lbs	
9-11	0.19	965 lbs	-307 lbs	8-10	0.17	-961 lbs	-961 lbs	8-9	0.02	340 lbs	-110 lbs	5-15	0.17	-1565 lbs	
11-13	0.27	1717 lbs	-552 lbs	10-12	0.28	-1712 lbs	-1712 lbs	10-11	0.03	538 lbs	-174 lbs	16-17	0.12	1873 lbs	
13-15	0.39	2743 lbs	-886 lbs	12-14	0.41	-2737 lbs	-2737 lbs	12-13	0.05	741 lbs	-240 lbs	18-19	0.12	1875 lbs	
15-16	0.50	3919 lbs	-1269 lbs	5-14	0.54	-3890 lbs	-3890 lbs	14-15	0.06	976 lbs	-317 lbs	20-21	0.10	1629 lbs	
16-18	0.50	3919 lbs	-1269 lbs	5-17	0.54	-3890 lbs	-3890 lbs	5-16	0.14	-1334 lbs	-1334 lbs	22-23	0.09	1416 lbs	
18-20	0.44	2552 lbs	-826 lbs	17-19	0.52	-2523 lbs	-2523 lbs	17-18	0.14	-1408 lbs	-1408 lbs	23-26	0.13	-1176 lbs	
20-22	0.38	1164 lbs	-375 lbs	19-21	0.38	-1138 lbs	-1138 lbs	19-20	0.12	-1214 lbs	-1214 lbs	25-28	0.10	-949 lbs	
22-24	0.35	-1148 lbs	-1148 lbs	21-23	0.36	1151 lbs	-373 lbs	21-22	0.11	-1115 lbs	-1115 lbs	27-30	0.07	-687 lbs	
24-26	0.31	-2057 lbs	-2057 lbs	23-25	0.25	2061 lbs	-668 lbs	23-24	0.02	-160 lbs	-160 lbs	29-32	0.05	-423 lbs	
26-28	0.37	-2799 lbs	-2799 lbs	25-27	0.23	2803 lbs	-909 lbs	25-26	0.04	645 lbs	-210 lbs	31-34	0.01	-134 lbs	
28-30	0.38	-3343 lbs	-3343 lbs	27-29	0.22	3348 lbs	-1086 lbs	27-28	0.03	423 lbs	-137 lbs	33-36	0.01	175 lbs	
30-32	0.40	-3681 lbs	-3681 lbs	29-31	0.22	3686 lbs	-1196 lbs	29-30	0.02	266 lbs	-86 lbs	35-38	0.03	510 lbs	
32-34	0.43	-3788 lbs	-3788 lbs	31-33	0.13	3795 lbs	-1231 lbs	31-32	0.01	90 lbs	-29 lbs	37-40	0.05	868 lbs	
34-36	0.44	-3789 lbs	-3789 lbs	33-35	0.14	3795 lbs	-1231 lbs	33-34	0.01	-88 lbs	-88 lbs	39-42	0.08	1273 lbs	
36-38	0.43	-3647 lbs	-3647 lbs	35-37	0.24	3651 lbs	-1184 lbs	35-36	0.03	-272 lbs	-272 lbs	4-4.1	0.10	1668 lbs	
38-40	0.40	-3227 lbs	-3227 lbs	37-39	0.24	3228 lbs	-1046 lbs	37-38	0.05	-466 lbs	-466 lbs				
40-42	0.33	-2503 lbs	-2503 lbs	39-41	0.32	2501 lbs	-808 lbs	39-40	0.06	-645 lbs	-645 lbs				
4-4.2	0.41	-1429 lbs	-1429 lbs	2-4.1	0.32	1423 lbs	-457 lbs	41-42	0.09	-932 lbs	-932 lbs				
								2-4	0.09	-884 lbs	-884 lbs				
								3-6	0.02	-161 lbs	-161 lbs				
								7-8	0.05	-456 lbs	-456 lbs				
								9-10	0.08	-748 lbs	-748 lbs				

TRUSS Tr-53 (spacing 14 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.47 (15 - 16)	TL(V): 0 in.	L / 999	3	L / 240
BC : 0.50 (14 - 5)	LL(V): 0 in.	L / 999	3	L / 360
Web : 0.16 (15 - 5)	DL(V): 0 in.	L / 999	(40-42)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: -0.02 in.		4	
	Web :			
	Snow/Wind 0 in.	L / 999	(36-38)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
 - 4)Snow Criteria: None
 - 5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-30 lbs	0 lbs	-30 lbs	0 lbs
2	Pin		-60 lbs	810 lbs	0 lbs	-30 lbs	-60 lbs
5	HRoll		0 lbs	2180 lbs	0 lbs	-80 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
1-9-5	35-9-8

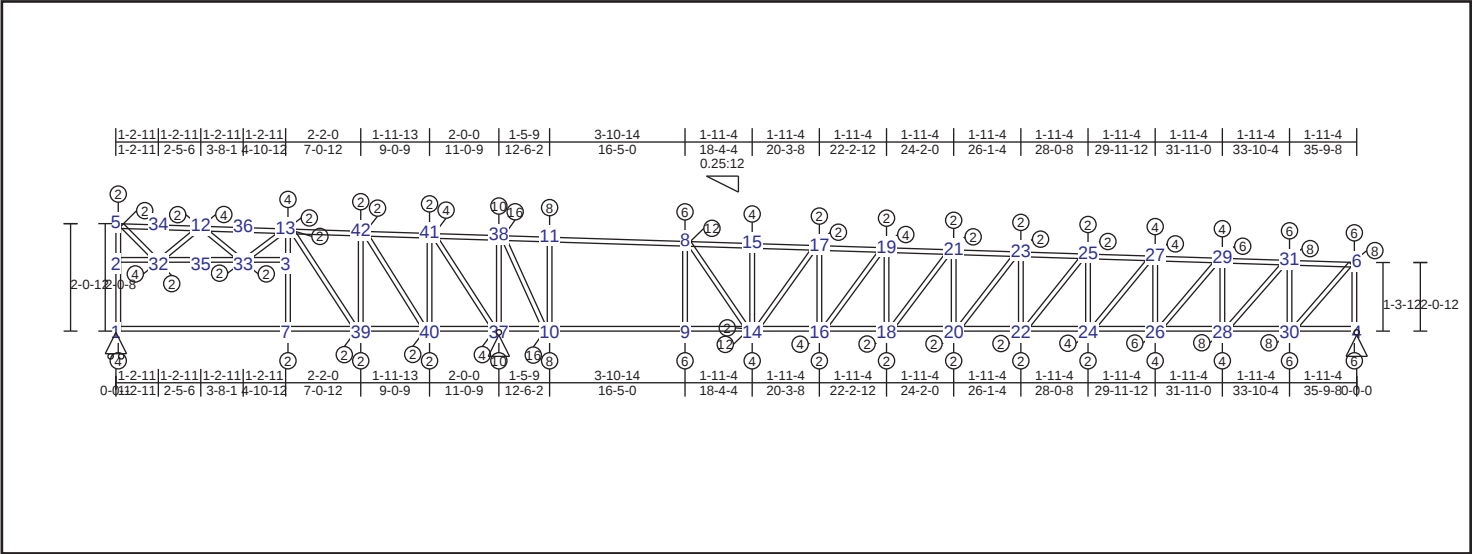
Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
3-7	0.06	103 lbs	-42 lbs	1-6	0.04	-102 lbs	-102 lbs	1-3	0.02	33 lbs	-10 lbs
7-9	0.12	403 lbs	-125 lbs	6-8	0.10	-401 lbs	-401 lbs	6-7	0.01	120 lbs	-38 lbs
9-11	0.17	900 lbs	-267 lbs	8-10	0.16	-897 lbs	-897 lbs	8-9	0.02	317 lbs	-102 lbs
11-13	0.25	1602 lbs	-515 lbs	10-12	0.26	-1598 lbs	-1598 lbs	10-11	0.03	502 lbs	-163 lbs
13-15	0.36	2560 lbs	-827 lbs	12-14	0.38	-2554 lbs	-2554 lbs	12-13	0.04	692 lbs	-224 lbs
15-16	0.47	3658 lbs	-1185 lbs	5-14	0.50	-3631 lbs	-3631 lbs	14-15	0.06	911 lbs	-295 lbs
16-18	0.47	3658 lbs	-1185 lbs	5-17	0.50	-3631 lbs	-3631 lbs	5-16	0.13	-1245 lbs	-1245 lbs
18-20	0.41	2382 lbs	-771 lbs	17-19	0.48	-2355 lbs	-2355 lbs	17-18	0.13	-1314 lbs	-1314 lbs
20-22	0.35	1087 lbs	-350 lbs	19-21	0.36	-1062 lbs	-1062 lbs	19-20	0.12	-1133 lbs	-1133 lbs
22-24	0.33	-1072 lbs	-1072 lbs	21-23	0.34	1074 lbs	-348 lbs	21-22	0.11	-1041 lbs	-1041 lbs
24-26	0.29	-1920 lbs	-1920 lbs	23-25	0.24	1923 lbs	-624 lbs	23-24	0.02	-150 lbs	-150 lbs
26-28	0.34	-2612 lbs	-2612 lbs	25-27	0.22	2616 lbs	-849 lbs	25-26	0.04	602 lbs	-196 lbs
28-30	0.36	-3120 lbs	-3120 lbs	27-29	0.21	3124 lbs	-1014 lbs	27-28	0.02	394 lbs	-128 lbs
30-32	0.38	-3435 lbs	-3435 lbs	29-31	0.21	3441 lbs	-1116 lbs	29-30	0.02	249 lbs	-81 lbs
32-34	0.40	-3536 lbs	-3536 lbs	31-33	0.12	3542 lbs	-1149 lbs	31-32	0.01	84 lbs	-27 lbs
34-36	0.42	-3536 lbs	-3536 lbs	33-35	0.13	3542 lbs	-1149 lbs	33-34	0.01	-82 lbs	-82 lbs
36-38	0.40	-3404 lbs	-3404 lbs	35-37	0.22	3408 lbs	-1105 lbs	35-36	0.03	-254 lbs	-254 lbs
38-40	0.38	-3012 lbs	-3012 lbs	37-39	0.22	3013 lbs	-976 lbs	37-38	0.04	-435 lbs	-435 lbs
40-42	0.31	-2336 lbs	-2336 lbs	39-41	0.30	2334 lbs	-754 lbs	39-40	0.06	-602 lbs	-602 lbs
4-42	0.38	-1333 lbs	-1333 lbs	2-41	0.30	1328 lbs	-426 lbs	41-42	0.09	-870 lbs	-870 lbs
								2-4	0.08	-825 lbs	-825 lbs
								3-6	0.02	-150 lbs	-150 lbs
								7-8	0.05	-425 lbs	-425 lbs
								9-10	0.08	-698 lbs	-698 lbs

TRUSS Tr-136 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L	(Loc)	Max. Allowed
TC : 0.99 (8 - 15)	TL(V): 0.11 in.	L / 999	(10-9)	L / 240
BC : 0.98 (37 - 10)	LL(V): 0.05 in.	L / 999	(10-9)	L / 360
Web : 0.96 (2 - 5)	DL(V): 0.06 in.	L / 999	(10-9)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: -0.08 in.		31	
	Web :			
	Snow/Wind 0.02 in.	L / 999	(10-9)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 22.85 psf; BC Live = 0.00 psf; BC Dead = 0.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 115.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 10.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 0.25:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 300.00 ft², This truss is not in the end zone of the roof, Left end web is exposed to wind. Right end web is exposed to wind. Ground elevation: 0 ft.
- 4)Snow Criteria: None
- 5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	730 lbs	0 lbs	-30 lbs	0 lbs
4	Pin		-4430 lbs	1730 lbs	0 lbs	-60 lbs	-4430 lbs
37	Pin		4440 lbs	2600 lbs	0 lbs	-90 lbs	4440 lbs

Materials

Type	Material	Bracing
Top Chd	350S162-43(50)	Sheathing
Bot Chd	350S162-43(50)	Sheathing
Web	350S162-43(50)	Unbraced

Truss Dimensions

Max Height	Max Width
2-0-13	35-9-8

Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web				Web			
5-12	0.39	-1279 lbs	-1279 lbs	1-7	0.08	481 lbs	-149 lbs	1-2	0.96	-712 lbs	-712 lbs	22-25	0.04	652 lbs	-214 lbs
12-13	0.47	-1688 lbs	-1688 lbs	7-39	0.10	977 lbs	-311 lbs	2-5	0.96	-712 lbs	-712 lbs	24-27	0.07	1197 lbs	-391 lbs
13-42	0.40	-1688 lbs	-1688 lbs	39-40	0.27	977 lbs	-311 lbs	3-7	0.83	-80 lbs	-80 lbs	26-29	0.11	1770 lbs	-578 lbs
41-42	0.30	-979 lbs	-979 lbs	37-40	0.95	-4848 lbs	-4848 lbs	3-13	0.95	-221 lbs	-221 lbs	28-31	0.15	2408 lbs	-786 lbs
38-41	0.90	-545 lbs	-545 lbs	10-37	0.98	-4848 lbs	-4848 lbs	14-15	0.16	-1451 lbs	-1451 lbs	6-30	0.18	3045 lbs	-993 lbs
11-38	0.97	-2857 lbs	-2857 lbs	9-10	0.97	-1613 lbs	-1613 lbs	16-17	0.03	532 lbs	-172 lbs	5-32	0.04	723 lbs	-237 lbs
8-11	0.97	-2857 lbs	-2857 lbs	9-14	0.97	-1613 lbs	-1613 lbs	18-19	0.02	252 lbs	-81 lbs	12-32	0.15	-1431 lbs	-1431 lbs
8-15	0.99	-5907 lbs	-5907 lbs	14-16	0.59	1984 lbs	-648 lbs	20-21	0.01	-73 lbs	-73 lbs	12-33	0.03	423 lbs	-141 lbs
15-17	0.95	-6422 lbs	-6422 lbs	16-18	0.19	2663 lbs	-868 lbs	22-23	0.04	-389 lbs	-389 lbs	13-33	0.00	-29 lbs	-29 lbs
17-19	0.87	-7099 lbs	-7099 lbs	18-20	0.19	2902 lbs	-945 lbs	24-25	0.08	-717 lbs	-717 lbs	10-38	0.34	5652 lbs	-1836 lbs
19-21	0.81	-7337 lbs	-7337 lbs	20-22	0.11	2902 lbs	-945 lbs	26-27	0.11	-1064 lbs	-1064 lbs	37-41	0.16	-1332 lbs	-1332 lbs
21-23	0.85	-7337 lbs	-7337 lbs	22-24	0.20	2798 lbs	-910 lbs	28-29	0.14	-1376 lbs	-1376 lbs	40-42	0.08	-641 lbs	-641 lbs
23-25	0.84	-7235 lbs	-7235 lbs	24-26	0.33	2293 lbs	-744 lbs	30-31	0.20	-1906 lbs	-1906 lbs	13-39	0.00	74 lbs	-26 lbs
25-27	0.80	-6734 lbs	-6734 lbs	26-28	0.40	1353 lbs	-436 lbs	4-6	0.19	-1781 lbs	-1781 lbs				
27-29	0.75	-5800 lbs	-5800 lbs	28-30	0.60	-1988 lbs	-1988 lbs	10-11	0.28	-2528 lbs	-2528 lbs				
29-31	0.64	-4399 lbs	-4399 lbs	4-30	0.61	-4426 lbs	-4426 lbs	8-9	0.18	-1622 lbs	-1622 lbs				
6-31	0.77	-2471 lbs	-2471 lbs	2-32	0.59	-1059 lbs	-1059 lbs	37-38	0.37	-3332 lbs	-3332 lbs				
				32-33	0.25	1182 lbs	-454 lbs	39-42	0.00	-11 lbs	-11 lbs				
				3-33	0.14	1208 lbs	-390 lbs	40-41	0.04	714 lbs	-231 lbs				
								8-14	0.26	4232 lbs	-1374 lbs				
								14-17	0.09	-723 lbs	-723 lbs				
								16-19	0.11	-907 lbs	-907 lbs				
								18-21	0.04	-316 lbs	-316 lbs				
								20-23	0.01	136 lbs	-46 lbs				