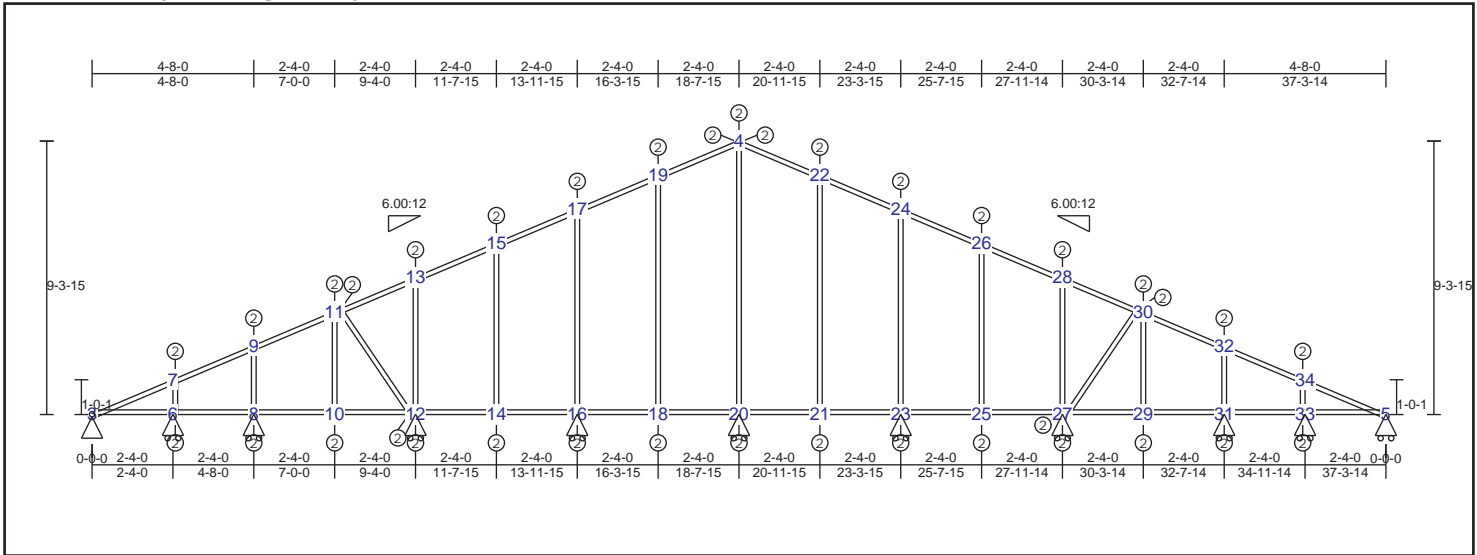


MAIN BUILDING ROOF PERSPECTIVE VIEW

TRUSS T1 (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 : 0.51 (15 - 17)	TL(V): 0.03 in.	L / 999 (17-19)	L / 90
BC : 0.49 (18 - 20)	LL(V): 0.02 in.	L / 999 (17-19)	L / 90
Web : 0.22 (20 - 4)	DL(V): 0.01 in.	L / 999 (17-19)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0
	Cant / OH LL: 0 in.	2L / 999	0
	Horiz TL: 0.01 in.		19
	Web :		
	Snow/Wind -0.02 in.	L / 999 (4-22)	L / 90
	Cant (Snow/Wind) 0 in.	L / 999	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 20.00 psf
- Wind Criteria: Code: ASCE 7-10, Wind Speed: 134.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 14.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6:00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 80.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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
3	Pin	-150 lbs	120 lbs	0 lbs	-70 lbs	-150 lbs	-150 lbs
5	HRoll	0 lbs	110 lbs	0 lbs	-40 lbs	0 lbs	0 lbs
6	HRoll	0 lbs	250 lbs	0 lbs	-130 lbs	0 lbs	0 lbs
8	HRoll	0 lbs	260 lbs	0 lbs	-90 lbs	0 lbs	0 lbs
12	HRoll	0 lbs	520 lbs	0 lbs	-200 lbs	0 lbs	0 lbs
16	HRoll	0 lbs	520 lbs	0 lbs	-210 lbs	0 lbs	0 lbs
20	HRoll	0 lbs	410 lbs	0 lbs	0 lbs	0 lbs	0 lbs
23	HRoll	0 lbs	520 lbs	0 lbs	-210 lbs	0 lbs	0 lbs
27	HRoll	0 lbs	520 lbs	0 lbs	-200 lbs	0 lbs	0 lbs
31	HRoll	0 lbs	260 lbs	0 lbs	-90 lbs	0 lbs	0 lbs
33	HRoll	0 lbs	250 lbs	0 lbs	-130 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-33(33)	Sheathing			
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
9'-5-0	37'-3-14

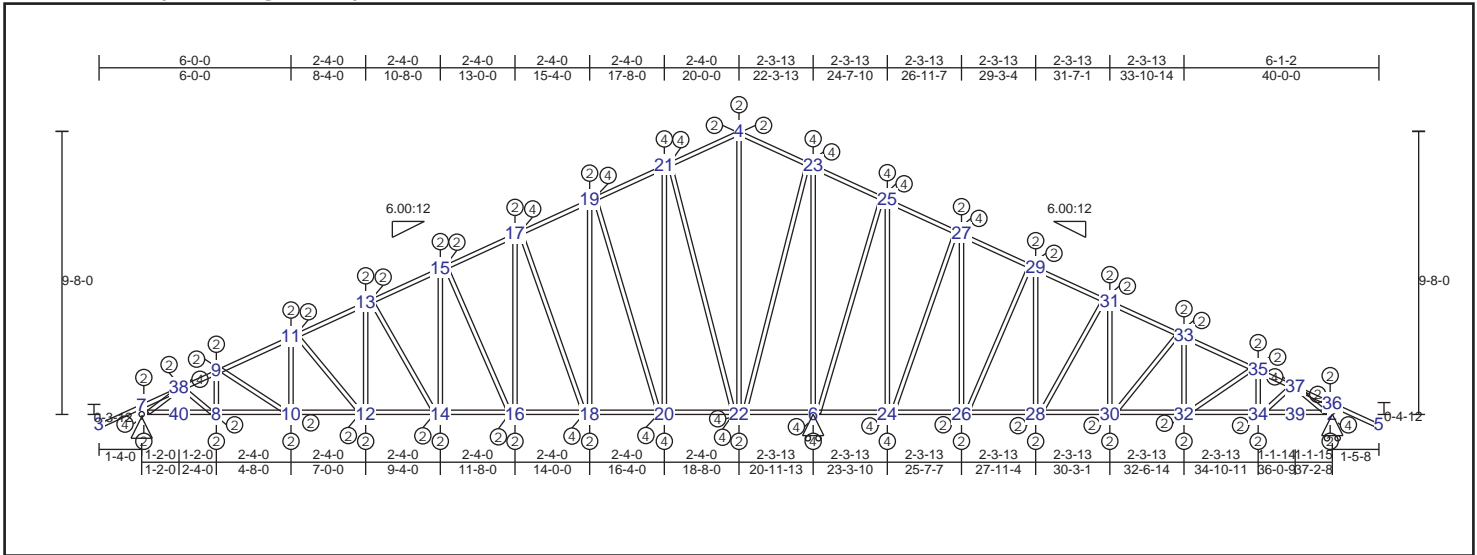
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.15	-231 lbs	-231 lbs	3-6	0.13	192 lbs	-62 lbs	6-7	0.04	-207 lbs	-207 lbs
7-9	0.22	-231 lbs	-231 lbs	6-8	0.06	192 lbs	-62 lbs	8-9	0.05	-227 lbs	-227 lbs
9-11	0.16	-142 lbs	-142 lbs	8-10	0.06	192 lbs	-62 lbs	10-11	0.00	27 lbs	-10 lbs
11-13	0.33	183 lbs	-74 lbs	10-12	0.29	192 lbs	-97 lbs	12-13	0.08	-266 lbs	-266 lbs
13-15	0.22	221 lbs	-76 lbs	12-14	0.36	191 lbs	-97 lbs	14-15	0.04	-111 lbs	-111 lbs
15-17	0.51	246 lbs	-147 lbs	14-16	0.45	191 lbs	-97 lbs	16-17	0.16	-328 lbs	-328 lbs
17-19	0.32	284 lbs	-161 lbs	16-18	0.46	191 lbs	-97 lbs	18-19	0.10	-151 lbs	-151 lbs
4-19	0.33	284 lbs	-161 lbs	18-20	0.49	191 lbs	-97 lbs	4-20	0.22	-265 lbs	-265 lbs
4-22	0.33	268 lbs	-161 lbs	20-21	0.49	191 lbs	-97 lbs	21-22	0.10	-151 lbs	-151 lbs
22-24	0.32	268 lbs	-161 lbs	21-23	0.46	191 lbs	-97 lbs	23-24	0.16	-328 lbs	-328 lbs
24-26	0.51	214 lbs	-147 lbs	23-25	0.45	191 lbs	-97 lbs	25-26	0.04	-111 lbs	-111 lbs
26-28	0.22	157 lbs	-76 lbs	25-27	0.36	191 lbs	-97 lbs	27-28	0.08	-266 lbs	-266 lbs
28-30	0.33	119 lbs	-74 lbs	27-29	0.29	191 lbs	-97 lbs	29-30	0.00	27 lbs	-10 lbs
30-32	0.16	-120 lbs	-120 lbs	29-31	0.05	169 lbs	-62 lbs	31-32	0.05	-227 lbs	-227 lbs
32-34	0.22	-167 lbs	-167 lbs	31-33	0.05	169 lbs	-62 lbs	33-34	0.04	-207 lbs	-207 lbs
5-34	0.14	-167 lbs	-167 lbs	5-33	0.12	169 lbs	-62 lbs	11-12	0.04	-172 lbs	-172 lbs
								27-30	0.04	-172 lbs	-172 lbs

TRUSS T2 (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 : 0.73 (23 - 25)	TL(V): 0.08 in.	L / 999 (15-17)	L / 90
BC : 0.78 (20 - 22)	LL(V): 0.05 in.	L / 999 (15-17)	L / 90
Web : 0.70 (6 - 23)	DL(V): 0.02 in.	L / 999 (14-16)	L / 0
	Cant / OH TL: 0.02 in.	2L / 999 (36-5)	2L / 90
	Cant / OH LL: 0.02 in.	2L / 999 (36-5)	2L / 90
	Horiz TL: 0.02 in.	15	
	Web :		
	Snow/Wind -0.04 in.	L / 999 (36-5)	L / 90
	Cant (Snow/Wind) -0.04 in. L / 824	(36-5)	L / 90

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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC LiveRoof = 20.00 psf
- Wind Criteria: Code: ASCE 7-10, Wind Speed: 134.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 14.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6:00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 80.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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	Pin		-240 lbs	770 lbs	0 lbs	-210 lbs	-240 lbs
2	HRoll		0 lbs	790 lbs	0 lbs	-260 lbs	0 lbs
6	HRoll		0 lbs	2120 lbs	0 lbs	-400 lbs	0 lbs
7	Pin	170 lbs	280 lbs	0 lbs	0 lbs	-210 lbs	170 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	362S162-43(33)	Sheathing			
Bot Chd	362S162-43(33)	Purlin (96 in.)			
Web	362S162-43(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
10-1-1	40-0-0

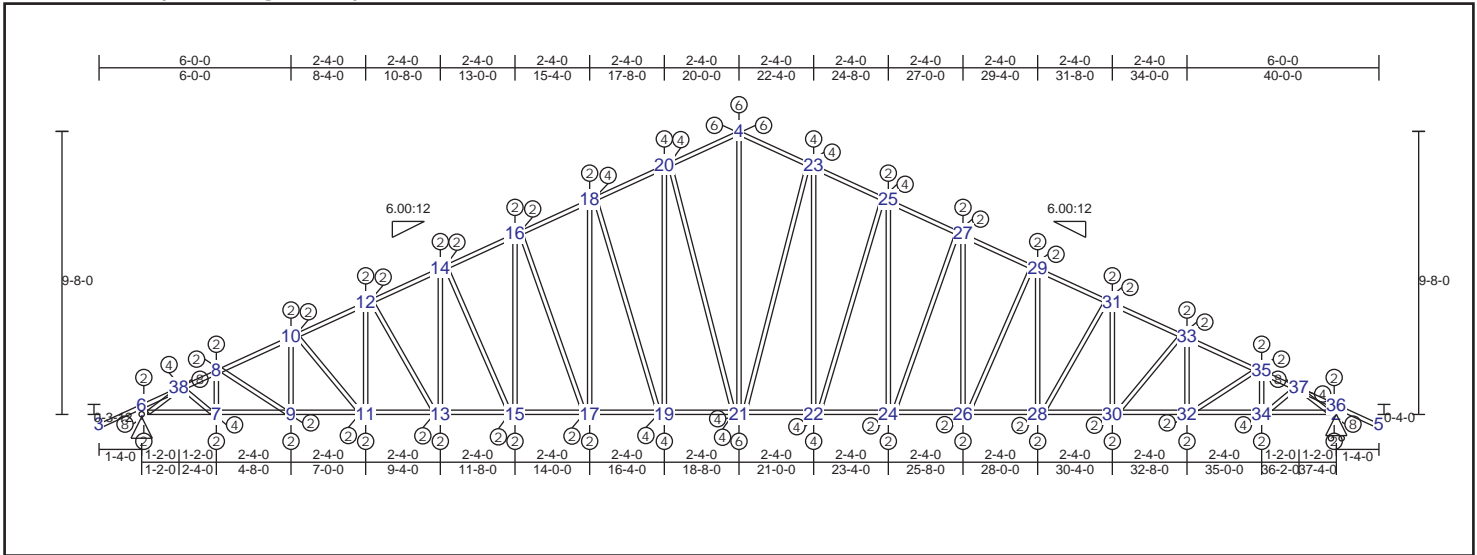
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
3-7	0.31	46 lbs	0 lbs	1-8	0.52	1320 lbs	-654 lbs	1-7	0.00	0 lbs	0 lbs	21-22	0.54	-1059 lbs	-1059 lbs
7-8	0.33	-1342 lbs	-1342 lbs	8-10	0.16	1320 lbs	-654 lbs	8-9	0.02	-149 lbs	-149 lbs	22-23	0.23	1123 lbs	-446 lbs
9-8	0.40	-1508 lbs	-1508 lbs	10-12	0.19	1229 lbs	-607 lbs	10-11	0.01	96 lbs	-38 lbs	6-25	0.32	-782 lbs	-782 lbs
9-11	0.30	-1508 lbs	-1508 lbs	12-14	0.22	1048 lbs	-506 lbs	12-13	0.03	282 lbs	-140 lbs	24-27	0.24	-766 lbs	-766 lbs
11-13	0.35	-1334 lbs	-1334 lbs	14-16	0.29	838 lbs	-390 lbs	14-15	0.05	442 lbs	-229 lbs	26-29	0.14	-598 lbs	-598 lbs
13-15	0.36	-1075 lbs	-1075 lbs	16-18	0.35	639 lbs	-267 lbs	16-17	0.09	599 lbs	-315 lbs	28-31	0.09	-462 lbs	-462 lbs
15-17	0.37	-835 lbs	-835 lbs	18-20	0.49	481 lbs	-141 lbs	18-19	0.15	726 lbs	-389 lbs	30-33	0.05	-308 lbs	-308 lbs
17-19	0.40	-600 lbs	-600 lbs	20-22	0.78	344 lbs	-163 lbs	20-21	0.24	970 lbs	-509 lbs	32-35	0.02	-123 lbs	-123 lbs
19-21	0.47	-370 lbs	-370 lbs	6-22	0.65	368 lbs	-340 lbs	4-22	0.12	-200 lbs	-200 lbs	2-37	0.10	-806 lbs	-806 lbs
4-21	0.53	202 lbs	-130 lbs	6-24	0.39	368 lbs	-340 lbs	6-23	0.70	-1445 lbs	-1445 lbs	34-37	0.03	300 lbs	-135 lbs
4-23	0.61	-334 lbs	-334 lbs	24-26	0.37	249 lbs	-182 lbs	24-25	0.15	770 lbs	-407 lbs	1-38	0.17	-1306 lbs	-1306 lbs
23-25	0.73	396 lbs	-334 lbs	26-28	0.29	330 lbs	-72 lbs	26-27	0.09	598 lbs	-319 lbs	8-38	0.04	385 lbs	-204 lbs
25-27	0.42	396 lbs	-65 lbs	28-30	0.22	527 lbs	-120 lbs	28-29	0.05	449 lbs	-236 lbs				
27-29	0.33	-253 lbs	-253 lbs	30-32	0.15	710 lbs	-224 lbs	30-31	0.03	291 lbs	-149 lbs				
29-31	0.29	-489 lbs	-489 lbs	32-34	0.10	808 lbs	-283 lbs	32-33	0.01	108 lbs	-50 lbs				
31-33	0.28	-750 lbs	-750 lbs	2-34	0.34	808 lbs	-283 lbs	34-35	0.02	-127 lbs	-127 lbs				
33-35	0.23	-931 lbs	-931 lbs					2-36	0.04	-287 lbs	-287 lbs				
35-37	0.29	-931 lbs	-931 lbs					9-10	0.02	-112 lbs	-112 lbs				
36-37	0.39	-819 lbs	-819 lbs					11-12	0.05	-299 lbs	-299 lbs				
5-36	0.37	50 lbs	0 lbs					13-14	0.09	-454 lbs	-454 lbs				
								15-16	0.14	-599 lbs	-599 lbs				
								17-18	0.23	-740 lbs	-740 lbs				
								19-20	0.36	-879 lbs	-879 lbs				

TRUSS T3 (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 : 0.82 (35 - 37)	TL(V): 0.19 in.	L / 999 (16-18)	L / 90
BC : 0.65 (1-7)	LL(V): 0.12 in.	L / 999 (16-18)	L / 90
Web : 0.47 (20 - 21)	DL(V): 0.06 in.	L / 999 (23-25)	L / 0
	Cant / OH TL: -0.02 in.	2L / 999 (36-5)	2L / 90
	Cant / OH LL: -0.02 in.	2L / 999 (36-5)	2L / 90
	Horiz TL: 0.05 in.	5	
	Web :		
	Snow/Wind -0.08 in.	L / 999 (15-17)	L / 90
	Cant (Snow/Wind) -0.02 in.	L / 999 (36-5)	L / 90

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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 134.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 14.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 80.00 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.
- 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		-250 lbs	1700 lbs	0 lbs	-380 lbs	-250 lbs
2	HRoll		0 lbs	1980 lbs	0 lbs	-480 lbs	0 lbs
6	Pin		180 lbs	280 lbs	0 lbs	-210 lbs	180 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-43(33)	Sheathing			
Bot Chd	362S162-43(33)	Purlin (96 in.)			
Web	362S162-43(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
10-1-1	40-0-0

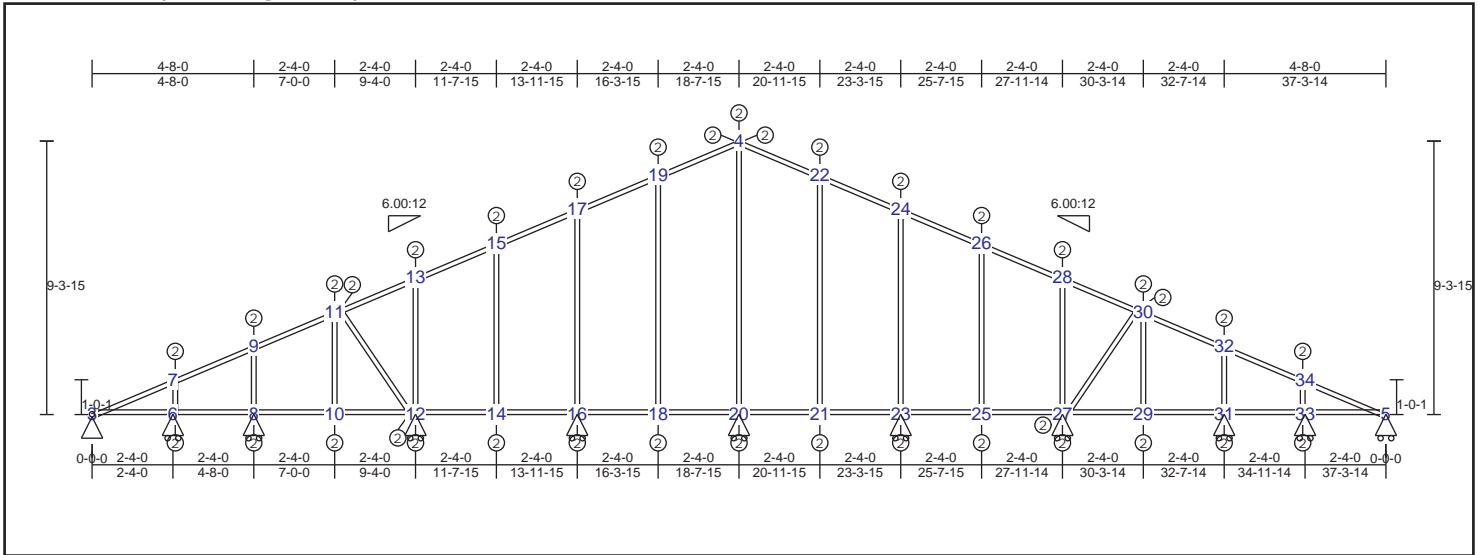
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.23	46 lbs	0 lbs	1-7	0.65	2893 lbs	-728 lbs	1-6	0.00	0 lbs	0 lbs
6-8	0.58	-2904 lbs	-2904 lbs	7-9	0.32	2926 lbs	-728 lbs	7-8	0.05	-365 lbs	-365 lbs
8-38	0.82	-3331 lbs	-3331 lbs	9-11	0.33	2926 lbs	-726 lbs	9-10	0.00	43 lbs	-15 lbs
8-10	0.56	-3344 lbs	-3344 lbs	11-13	0.36	2799 lbs	-677 lbs	11-12	0.02	213 lbs	-70 lbs
10-12	0.55	-3272 lbs	-3272 lbs	13-15	0.39	2616 lbs	-613 lbs	13-14	0.04	392 lbs	-130 lbs
12-14	0.59	-3060 lbs	-3060 lbs	15-17	0.43	2411 lbs	-543 lbs	15-16	0.05	552 lbs	-191 lbs
14-16	0.60	-2840 lbs	-2840 lbs	17-19	0.43	2194 lbs	-469 lbs	17-18	0.10	718 lbs	-251 lbs
16-18	0.62	-2620 lbs	-2620 lbs	19-21	0.65	1967 lbs	-393 lbs	19-20	0.15	831 lbs	-307 lbs
18-20	0.64	-2391 lbs	-2391 lbs	21-22	0.65	1967 lbs	-356 lbs	4-21	0.26	1775 lbs	-450 lbs
4-20	0.58	-2156 lbs	-2156 lbs	22-24	0.43	2194 lbs	-397 lbs	22-23	0.15	831 lbs	-309 lbs
4-23	0.58	-2156 lbs	-2156 lbs	24-26	0.43	2410 lbs	-434 lbs	24-25	0.10	717 lbs	-254 lbs
23-25	0.64	-2391 lbs	-2391 lbs	26-28	0.39	2615 lbs	-496 lbs	26-27	0.06	551 lbs	-195 lbs
25-27	0.62	-2620 lbs	-2620 lbs	28-30	0.36	2798 lbs	-561 lbs	28-29	0.04	391 lbs	-134 lbs
27-29	0.60	-2839 lbs	-2839 lbs	30-32	0.33	2923 lbs	-612 lbs	30-31	0.02	212 lbs	-73 lbs
29-31	0.59	-3058 lbs	-3058 lbs	32-34	0.32	2923 lbs	-620 lbs	32-33	0.00	41 lbs	-16 lbs
31-33	0.55	-3269 lbs	-3269 lbs	2-34	0.65	2887 lbs	-620 lbs	34-35	0.05	-370 lbs	-370 lbs
33-35	0.56	-3341 lbs	-3341 lbs					2-36	0.03	-259 lbs	-259 lbs
35-37	0.82	-3326 lbs	-3326 lbs					8-9	0.01	43 lbs	-42 lbs
36-37	0.58	-2893 lbs	-2893 lbs					10-11	0.03	-209 lbs	-209 lbs
5-36	0.23	46 lbs	0 lbs					12-13	0.08	-396 lbs	-396 lbs
								14-15	0.13	-554 lbs	-554 lbs
								16-17	0.22	-702 lbs	-702 lbs
								18-19	0.35	-866 lbs	-866 lbs
								20-21	0.47	-931 lbs	-931 lbs

TRUSS T4 (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 : 0.51 (15 - 17)	TL(V): 0.03 in.	L / 999 (17-19)	L / 90
BC : 0.38 (18 - 20)	LL(V): 0.02 in.	L / 999 (17-19)	L / 90
Web : 0.21 (20 - 4)	DL(V): 0.01 in.	L / 999 (17-19)	L / 0
	Cant / OH TL: 0 in.	2L / 999	2L / 0
	Cant / OH LL: 0 in.	2L / 999	2L / 0
	Horiz TL: 0.01 in.	19	
	Web :		
	Snow/Wind -0.02 in.	L / 999 (4-22)	L / 90
	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 134.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 14.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6:00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 80.00 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.
- 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
3	Pin	-230 lbs	130 lbs	0 lbs	-80 lbs	-230 lbs	
5	HRoll	0 lbs	110 lbs	0 lbs	-40 lbs	0 lbs	
6	HRoll	0 lbs	250 lbs	0 lbs	-130 lbs	0 lbs	
8	HRoll	0 lbs	260 lbs	0 lbs	-90 lbs	0 lbs	
12	HRoll	0 lbs	520 lbs	0 lbs	-200 lbs	0 lbs	
16	HRoll	0 lbs	520 lbs	0 lbs	-210 lbs	0 lbs	
20	HRoll	0 lbs	400 lbs	0 lbs	0 lbs	0 lbs	
23	HRoll	0 lbs	520 lbs	0 lbs	-210 lbs	0 lbs	
27	HRoll	0 lbs	520 lbs	0 lbs	-200 lbs	0 lbs	
31	HRoll	0 lbs	260 lbs	0 lbs	-90 lbs	0 lbs	
33	HRoll	0 lbs	250 lbs	0 lbs	-130 lbs	0 lbs	

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-33(33)	Sheathing			
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
9-5-0	37-3-14

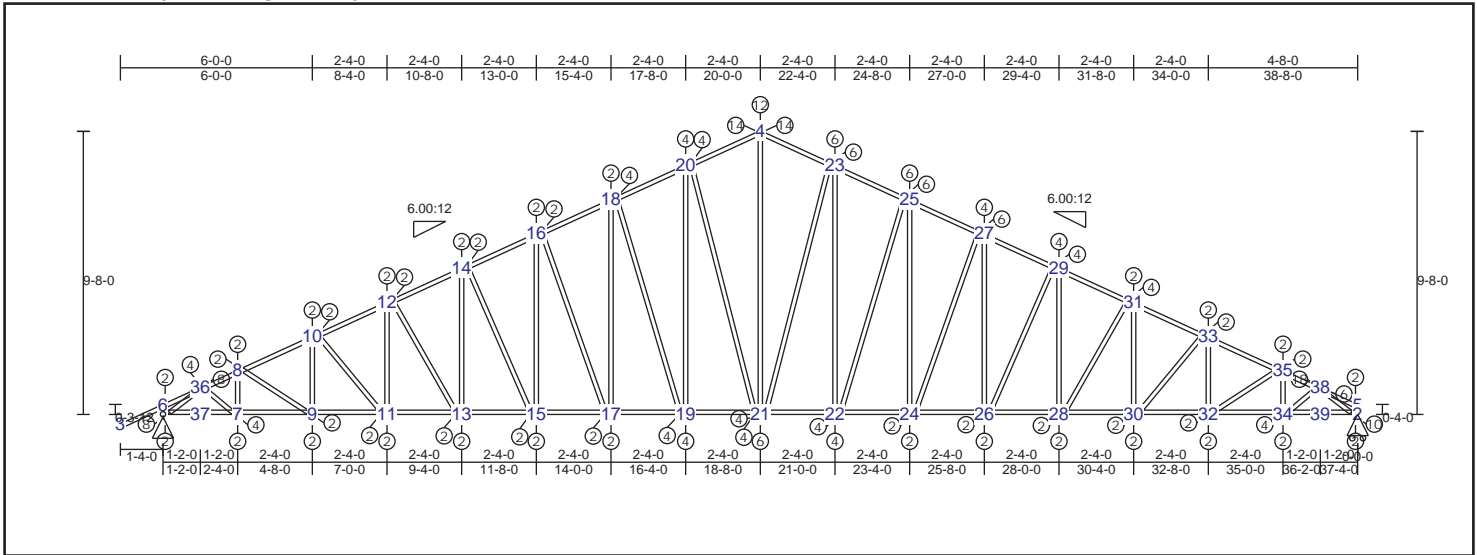
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.15	-272 lbs	-272 lbs	3-6	0.11	251 lbs	-69 lbs	6-7	0.04	-207 lbs	-207 lbs
7-9	0.22	-272 lbs	-272 lbs	6-8	0.05	251 lbs	-69 lbs	8-9	0.05	-227 lbs	-227 lbs
9-11	0.16	-159 lbs	-159 lbs	8-10	0.05	221 lbs	-69 lbs	10-11	0.00	27 lbs	-10 lbs
11-13	0.33	170 lbs	-95 lbs	10-12	0.23	221 lbs	-103 lbs	12-13	0.08	-266 lbs	-266 lbs
13-15	0.22	207 lbs	-71 lbs	12-14	0.27	219 lbs	-103 lbs	14-15	0.04	-111 lbs	-111 lbs
15-17	0.51	233 lbs	-140 lbs	14-16	0.35	219 lbs	-103 lbs	16-17	0.16	-328 lbs	-328 lbs
17-19	0.32	271 lbs	-154 lbs	16-18	0.35	219 lbs	-103 lbs	18-19	0.10	-151 lbs	-151 lbs
4-19	0.33	271 lbs	-154 lbs	18-20	0.38	219 lbs	-103 lbs	4-20	0.21	-257 lbs	-257 lbs
4-22	0.33	255 lbs	-154 lbs	20-21	0.38	219 lbs	-103 lbs	21-22	0.10	-151 lbs	-151 lbs
22-24	0.32	255 lbs	-154 lbs	21-23	0.35	219 lbs	-103 lbs	23-24	0.16	-328 lbs	-328 lbs
24-26	0.51	200 lbs	-140 lbs	23-25	0.35	219 lbs	-103 lbs	25-26	0.04	-111 lbs	-111 lbs
26-28	0.22	131 lbs	-71 lbs	25-27	0.27	219 lbs	-103 lbs	27-28	0.08	-266 lbs	-266 lbs
28-30	0.33	88 lbs	-71 lbs	27-29	0.23	219 lbs	-103 lbs	29-30	0.00	27 lbs	-10 lbs
30-32	0.16	-119 lbs	-119 lbs	29-31	0.04	198 lbs	-69 lbs	31-32	0.05	-227 lbs	-227 lbs
32-34	0.22	-190 lbs	-190 lbs	31-33	0.04	198 lbs	-69 lbs	33-34	0.05	-207 lbs	-207 lbs
5-34	0.14	-190 lbs	-190 lbs	5-33	0.09	189 lbs	-69 lbs	11-12	0.04	-173 lbs	-173 lbs

TRUSS T5 (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 : 0.88 (23-25)	TL(V): 0.2 in.	L / 999 (25-27)	L / 90
BC : 0.66 (19-21)	LL(V): 0.14 in.	L / 999 (25-27)	L / 90
Web : 0.48 (21 - 23)	DL(V): 0.07 in.	L / 999 (25-27)	L / 0
	Cant / OH TL: -0.02 in.	2L / 999 (3-6)	2L / 90
	Cant / OH LL: -0.02 in.	2L / 999 (3-6)	2L / 90
	Horiz TL: 0.05 in.	2	
	Web :		
	Snow/Wind -0.08 in.	L / 999 (15-17)	L / 90
	Cant (Snow/Wind) -0.02 in.	L / 999 (3-6)	L / 90

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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 134.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 14.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6:00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 80.00 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.
- 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			1730 lbs	0 lbs	-390 lbs	-230 lbs
2	HRoll		0 lbs	1860 lbs	0 lbs	-410 lbs	0 lbs
6	Pin		200 lbs	260 lbs	0 lbs	-190 lbs	200 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	362S162-43(33)	Sheathing	TopChord 4-5	362S162-33(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (96 in.)			
Web	362S162-43(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
10'-1-1	38'-8'-0

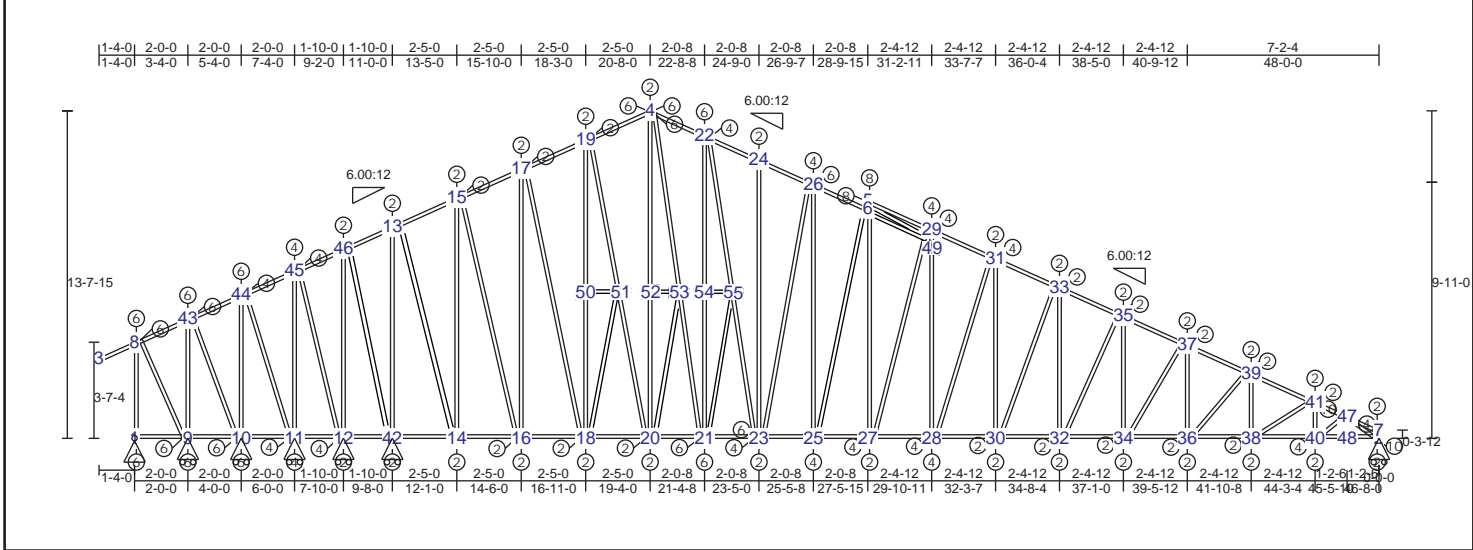
Material Design Fail

Member Forces Summary

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

Top Chord	Bot Chord	Web	Web
3-6 0.31 46 lbs 0 lbs	1-7 0.32 2899 lbs -1266 lbs	1-6 0.00 0 lbs 0 lbs	21-23 0.48 -936 lbs -936 lbs
6-36 0.58 -2895 lbs -2895 lbs	7-9 0.32 2935 lbs -1266 lbs	7-8 0.05 -371 lbs -371 lbs	22-25 0.36 -872 lbs -872 lbs
8-36 0.83 -3329 lbs -3329 lbs	9-11 0.34 2935 lbs -1265 lbs	9-10 0.00 44 lbs -16 lbs	24-27 0.22 -708 lbs -708 lbs
8-10 0.56 -3344 lbs -3344 lbs	11-13 0.37 2810 lbs -1185 lbs	11-12 0.02 211 lbs -115 lbs	26-29 0.13 -561 lbs -561 lbs
10-12 0.55 -3273 lbs -3273 lbs	13-15 0.39 2628 lbs -1079 lbs	13-14 0.05 391 lbs -210 lbs	28-31 0.08 -406 lbs -406 lbs
12-14 0.59 -3063 lbs -3063 lbs	15-17 0.43 2423 lbs -962 lbs	15-16 0.08 551 lbs -298 lbs	30-33 0.04 -222 lbs -222 lbs
14-16 0.60 -2843 lbs -2843 lbs	17-19 0.43 2207 lbs -840 lbs	17-18 0.15 717 lbs -385 lbs	32-35 0.00 52 lbs -14 lbs
16-18 0.62 -2624 lbs -2624 lbs	19-21 0.66 1979 lbs -713 lbs	19-20 0.22 830 lbs -460 lbs	1-36 0.38 -2941 lbs -2941 lbs
18-20 0.64 -2395 lbs -2395 lbs	21-22 0.66 1981 lbs -653 lbs	4-21 0.44 1779 lbs -753 lbs	7-36 0.08 854 lbs -374 lbs
4-20 0.58 -2161 lbs -2161 lbs	22-24 0.43 2210 lbs -722 lbs	22-23 0.22 837 lbs -468 lbs	2-38 0.40 -3089 lbs -3089 lbs
4-23 0.79 -2161 lbs -2161 lbs	24-26 0.43 2428 lbs -787 lbs	24-25 0.15 724 lbs -394 lbs	34-38 0.07 784 lbs -278 lbs
23-25 0.88 -2397 lbs -2397 lbs	26-28 0.39 2636 lbs -878 lbs	26-27 0.09 559 lbs -308 lbs	
25-27 0.86 -2627 lbs -2627 lbs	28-30 0.37 2824 lbs -991 lbs	28-29 0.05 401 lbs -223 lbs	
27-29 0.84 -2849 lbs -2849 lbs	30-32 0.34 2959 lbs -1083 lbs	30-31 0.02 225 lbs -132 lbs	
29-31 0.83 -3073 lbs -3073 lbs	32-34 0.34 2959 lbs -1120 lbs	32-33 0.00 28 lbs -24 lbs	
31-33 0.79 -3293 lbs -3293 lbs	2-34 0.34 2953 lbs -1120 lbs	34-35 0.04 -315 lbs -315 lbs	
33-35 0.78 -3373 lbs -3373 lbs		2-5 0.01 -42 lbs -42 lbs	
35-38 0.79 -3373 lbs -3373 lbs		8-9 0.01 -48 lbs -48 lbs	
5-38 0.78 -2990 lbs -2990 lbs		10-11 0.03 -206 lbs -206 lbs	
		12-13 0.08 -394 lbs -394 lbs	
		14-15 0.13 -552 lbs -552 lbs	
		16-17 0.22 -701 lbs -701 lbs	
		18-19 0.35 -865 lbs -865 lbs	
		20-21 0.47 -931 lbs -931 lbs	

TRUSS TR1 (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 : 0.90 (15-17)	TL(V): 0.71 in.	L / 786 (27-28)	L / 90
BC : 0.89 (21-23)	LL(V): 0.46 in.	L / 999 (27-28)	L / 90
Web : 0.70 (22-23)	DL(V): 0.25 in.	L / 999 (27-28)	L / 0
	Cant / OH TL: -0.02 in.	2L / 999 (3-8)	2L / 90
	Cant / OH LL: -0.02 in.	2L / 999 (3-8)	2L / 90
	Horiz TL: -0.14 in.	5	
	Web :		
	Snow/Wind -0.41 in.	L / 999 (27-28)	L / 90
	Cant (Snow/Wind) -0.02 in.	L / 999 (3-8)	L / 90

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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- Wind Criteria: Code: ASCE 7-10, Wind Speed: 134.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 14.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 80.00 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.
- 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	Pin		-560 lbs	1760 lbs	0 lbs	-630 lbs	-560 lbs
2	HRoll		0 lbs	2110 lbs	0 lbs	-530 lbs	0 lbs
9	HRoll		0 lbs	460 lbs	0 lbs	0 lbs	0 lbs
10	HRoll		0 lbs	-100 lbs	0 lbs	-100 lbs	0 lbs
11	HRoll		0 lbs	210 lbs	0 lbs	-100 lbs	0 lbs
12	HRoll		0 lbs	-1050 lbs	-940 lbs	-1050 lbs	0 lbs
42	HRoll		0 lbs	940 lbs	0 lbs	-190 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions
Top Chd	362S162-43(33)	Sheathing	
Bot Chd	362S162-43(33)	Purlin (96 in.)	
Web	362S162-43(33)	Unbraced	

Truss Dimensions

Max Height	Max Width
13'-7-9	48'-0-0

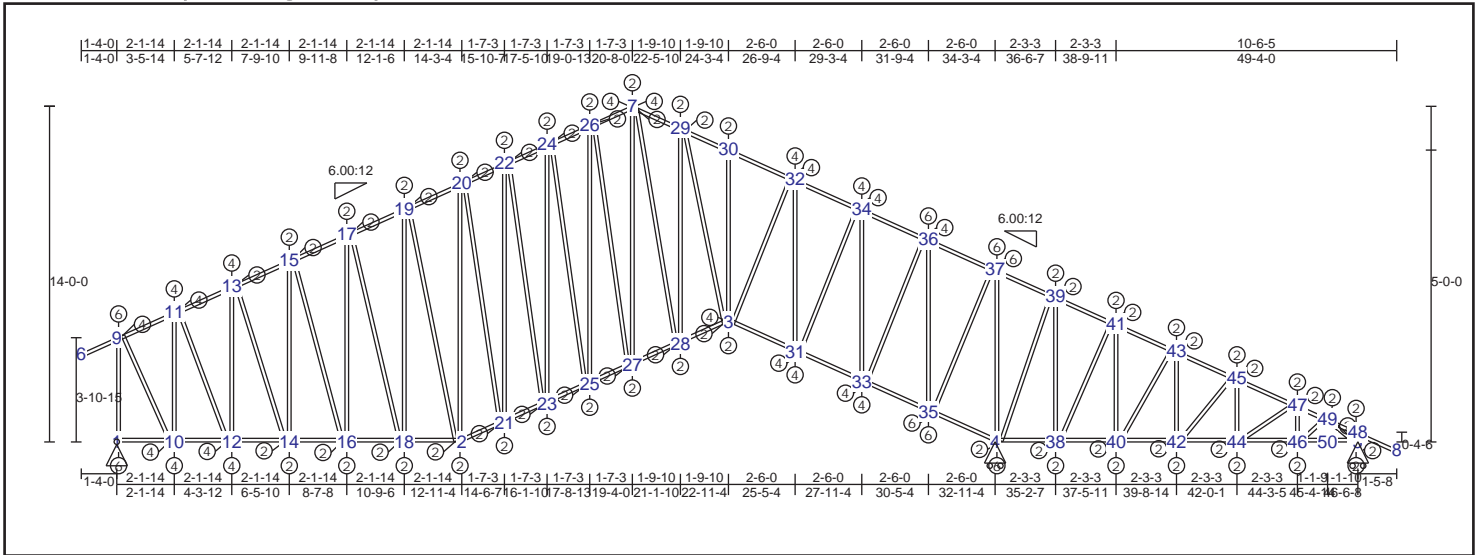
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
5-29	0.67	-2729 lbs	-2729 lbs	1-9	0.82	606 lbs	-327 lbs	1-8	0.35	-1805 lbs	-1805 lbs	10-44	0.42	-1533 lbs	-1533 lbs
29-31	0.73	-3024 lbs	-3024 lbs	9-10	0.82	1079 lbs	-411 lbs	14-15	0.20	-319 lbs	-319 lbs	11-45	0.46	-1314 lbs	-1314 lbs
31-33	0.67	-3217 lbs	-3217 lbs	10-11	0.70	1408 lbs	-467 lbs	16-17	0.12	-163 lbs	-163 lbs	15-16	0.09	350 lbs	-139 lbs
33-35	0.67	-3434 lbs	-3434 lbs	11-12	0.52	1613 lbs	-505 lbs	18-19	0.16	210 lbs	-189 lbs	17-18	0.14	189 lbs	-186 lbs
35-37	0.65	-3641 lbs	-3641 lbs	12-42	0.52	1613 lbs	-505 lbs	4-20	0.28	347 lbs	-279 lbs	19-20	0.32	-371 lbs	-371 lbs
37-39	0.61	-3839 lbs	-3839 lbs	14-42	0.52	1613 lbs	-505 lbs	21-22	0.35	-1718 lbs	-1718 lbs	4-21	0.35	1598 lbs	-954 lbs
39-41	0.62	-3901 lbs	-3901 lbs	14-16	0.38	1684 lbs	-514 lbs	23-24	0.13	292 lbs	-166 lbs	22-23	0.70	1379 lbs	-810 lbs
41-47	0.65	-3883 lbs	-3883 lbs	16-18	0.26	1684 lbs	-514 lbs	25-26	0.35	827 lbs	-527 lbs	23-26	0.35	-1867 lbs	-1867 lbs
7-47	0.63	-3435 lbs	-3435 lbs	18-20	0.30	1650 lbs	-480 lbs	6-27	0.35	1155 lbs	-538 lbs	27-29	0.62	-1170 lbs	-1170 lbs
3-8	0.31	42 lbs	0 lbs	20-21	0.89	1790 lbs	-494 lbs	5-6	0.35	1155 lbs	-538 lbs	28-31	0.34	-790 lbs	-790 lbs
8-43	0.65	-1490 lbs	-1490 lbs	21-23	0.89	1977 lbs	-554 lbs	28-29	0.34	1115 lbs	-671 lbs	30-33	0.22	-671 lbs	-671 lbs
43-44	0.65	-1885 lbs	-1885 lbs	23-25	0.52	2273 lbs	-698 lbs	30-31	0.14	613 lbs	-352 lbs	32-35	0.13	-526 lbs	-526 lbs
44-45	0.72	-2176 lbs	-2176 lbs	25-27	0.52	2273 lbs	-698 lbs	32-33	0.09	542 lbs	-318 lbs	34-37	0.07	-373 lbs	-373 lbs
45-46	0.56	-2176 lbs	-2176 lbs	27-28	0.52	2534 lbs	-861 lbs	34-35	0.05	367 lbs	-217 lbs	36-39	0.03	-188 lbs	-188 lbs
13-46	0.65	-2049 lbs	-2049 lbs	28-30	0.84	2743 lbs	-986 lbs	36-37	0.02	199 lbs	-124 lbs	38-41	0.01	63 lbs	-9 lbs
13-15	0.84	-2118 lbs	-2118 lbs	30-32	0.45	2951 lbs	-1113 lbs	38-39	0.00	22 lbs	-19 lbs	8-9	0.16	1656 lbs	-835 lbs
				32-34	0.45	3147 lbs	-1235 lbs	40-41	0.05	-356 lbs	-356 lbs	10-43	0.15	1621 lbs	-661 lbs
				34-36	0.40	3321 lbs	-1346 lbs	2-7	0.01	-41 lbs	-41 lbs	11-44	0.15	1231 lbs	-500 lbs
				36-38	0.38	3435 lbs	-1432 lbs	13-42	0.24	-474 lbs	-474 lbs	12-45	0.14	980 lbs	-390 lbs
				38-40	0.40	3435 lbs	-1450 lbs	12-46	0.02	58 lbs	-42 lbs	2-47	0.46	-3538 lbs	-3538 lbs
				2-40	0.89	3394 lbs	-1450 lbs	9-43	0.45	-2070 lbs	-2070 lbs	40-47	0.08	883 lbs	-359 lbs

TRUSS TR2 (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 : 0.88 (37 - 39)	TL(V): 0.12 in.	L / 999 (30-32)	L / 90
BC : 0.89 (33 - 35)	LL(V): 0.08 in.	L / 999 (30-32)	L / 90
Web : 0.68 (4 - 37)	DL(V): 0.04 in.	L / 999 (30-32)	L / 0
	Cant / OH TL: 0.08 in.	2L / 999 (30-32)	2L / 90
	Cant / OH LL: 0.08 in.	2L / 999 (30-32)	2L / 90
	Horiz TL: 0.05 in.	4	
	Web :		
	Snow/Wind -0.05 in.	L / 999 (18-2)	L / 90
	Cant (Snow/Wind) -0.05 in. L / 999	(48-8)	L / 90

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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 134.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 14.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6:00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 80.00 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.
- 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		-620 lbs	1500 lbs	0 lbs	-430 lbs	-620 lbs
4	HRoll		0 lbs	2770 lbs	0 lbs	-480 lbs	0 lbs
5	HRoll		0 lbs	340 lbs	0 lbs	-250 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-43(33)	Sheathing			
Bot Chd	362S162-43(33)	Purlin (96 in.)			
Web	362S162-43(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
14'-5-1	49'-4-0

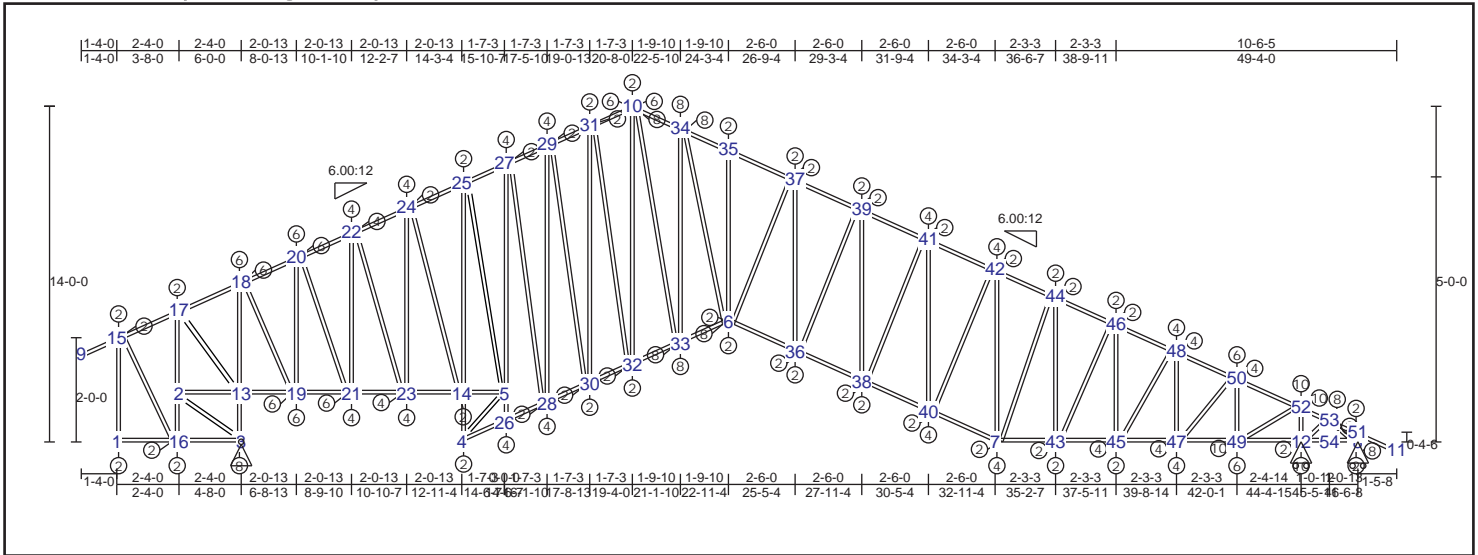
Material Design Pass

Member Forces Summary

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

Top Chord		Bot Chord		Web											
6-9	0.31	42 lbs	0 lbs	1-9	0.43	-1530 lbs	-1530 lbs	5-48	0.03	283 lbs	-272 lbs				
9-11	0.81	-1037 lbs	-1037 lbs	10-12	0.66	768 lbs	-431 lbs	10-11	0.30	-1268 lbs	-1268 lbs	9-10	0.13	1331 lbs	-511 lbs
11-13	0.51	-1186 lbs	-1186 lbs	12-14	0.35	862 lbs	-465 lbs	12-13	0.23	-757 lbs	-757 lbs	11-12	0.10	887 lbs	-377 lbs
13-15	0.34	-1222 lbs	-1222 lbs	14-16	0.21	912 lbs	-465 lbs	14-15	0.18	-440 lbs	-440 lbs	13-14	0.08	503 lbs	-235 lbs
15-17	0.30	-1222 lbs	-1222 lbs	16-18	0.16	912 lbs	-460 lbs	16-17	0.08	-168 lbs	-168 lbs	15-16	0.06	214 lbs	-132 lbs
17-19	0.26	-1187 lbs	-1187 lbs	2-18	0.22	903 lbs	-428 lbs	18-19	0.11	-184 lbs	-184 lbs	17-18	0.03	155 lbs	-58 lbs
19-20	0.27	-1166 lbs	-1166 lbs	2-21	0.12	960 lbs	-472 lbs	2-20	0.17	-254 lbs	-254 lbs	2-19	0.17	284 lbs	-274 lbs
20-22	0.20	-1166 lbs	-1166 lbs	21-23	0.14	1012 lbs	-479 lbs	21-22	0.15	-218 lbs	-218 lbs	20-21	0.08	212 lbs	-121 lbs
22-24	0.21	-1151 lbs	-1151 lbs	23-25	0.18	1046 lbs	-479 lbs	23-24	0.21	-309 lbs	-309 lbs	22-23	0.14	281 lbs	-217 lbs
24-26	0.26	-1126 lbs	-1126 lbs	25-27	0.22	1046 lbs	-473 lbs	25-26	0.30	-429 lbs	-429 lbs	24-25	0.24	398 lbs	-371 lbs
7-26	0.28	-1061 lbs	-1061 lbs	27-28	0.26	1038 lbs	-438 lbs	7-27	0.32	519 lbs	-470 lbs	26-27	0.32	-502 lbs	-502 lbs
7-29	0.35	-1143 lbs	-1143 lbs	3-28	0.24	1013 lbs	-264 lbs	28-29	0.24	-462 lbs	-462 lbs	7-28	0.07	390 lbs	-106 lbs
29-30	0.31	-1173 lbs	-1173 lbs	3-31	0.60	773 lbs	-196 lbs	3-30	0.08	-228 lbs	-228 lbs	3-29	0.04	301 lbs	-98 lbs
30-32	0.52	-1249 lbs	-1249 lbs	31-33	0.64	-415 lbs	-415 lbs	31-32	0.45	-1222 lbs	-1222 lbs	3-32	0.08	860 lbs	-247 lbs
32-34	0.65	-1249 lbs	-1249 lbs	33-35	0.89	-1064 lbs	-1064 lbs	33-34	0.53	-1451 lbs	-1451 lbs	31-34	0.10	1110 lbs	-327 lbs
34-36	0.72	-911 lbs	-911 lbs	4-35	0.77	-1064 lbs	-1064 lbs	35-36	0.65	-1786 lbs	-1786 lbs	33-36	0.13	1387 lbs	-414 lbs
36-37	0.86	-504 lbs	-504 lbs	4-38	0.35	-828 lbs	-828 lbs	4-37	0.68	-1860 lbs	-1860 lbs	35-37	0.15	1559 lbs	-468 lbs
37-39	0.88	919 lbs	-129 lbs	38-40	0.30	-650 lbs	-650 lbs	38-39	0.09	612 lbs	-337 lbs	4-39	0.18	-608 lbs	-608 lbs
39-41	0.36	919 lbs	-129 lbs	40-42	0.21	-431 lbs	-431 lbs	40-41	0.05	438 lbs	-234 lbs	38-41	0.14	-601 lbs	-601 lbs
41-43	0.26	630 lbs	-36 lbs	42-44	0.15	-227 lbs	-227 lbs	42-43	0.03	306 lbs	-154 lbs	40-43	0.09	-449 lbs	-449 lbs
43-45	0.21	423 lbs	-85 lbs	44-46	0.07	-138 lbs	-138 lbs	44-45	0.01	151 lbs	-59 lbs	42-45	0.05	-331 lbs	-331 lbs
45-47	0.13	273 lbs	-158 lbs	5-46	0.06	-138 lbs	-138 lbs	46-47	0.01	88 lbs	-20 lbs	44-47	0.03	-189 lbs	-189 lbs
47-49	0.10	262 lbs	-170 lbs									5-49	0.02	-135 lbs	-135 lbs
48-49	0.39	208 lbs	-154 lbs									46-49	0.01	-91 lbs	-91 lbs
8-48	0.37	46 lbs	0 lbs												

TRUSS TR3 (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 (18-20)	TL(V): 0.49 in.	L / 779	(34-35)	L / 90
BC : 0.89 (12-49)	LL(V): 0.32 in.	L / 999	(34-35)	L / 90
Web : 0.59 (28-29)	DL(V): 0.18 in.	L / 766	6	L / 0
	Cant / OH TL: 0.32 in.	2L / 818	(34-35)	2L / 90
	Cant / OH LL: 0.32 in.	2L / 818	(34-35)	2L / 90
	Horiz TL: 0.25 in.		49	
	Web:			
	Snow/Wind -0.59 in.	L / 466	(9-15)	L / 90
	Cant (Snow/Wind) -0.59 in.	L / 999	(9-15)	L / 90

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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 134.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 14.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 80.00 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.
- 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
3	Pin		-620 lbs	2420 lbs	0 lbs	-530 lbs	-620 lbs
8	HRoll		0 lbs	-1350 lbs	-1210 lbs	-1350 lbs	0 lbs
12	HRoll		0 lbs	3590 lbs	0 lbs	-500 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-43(33)	Sheathing			
Bot Chd	362S162-43(33)	Purlin (96 in.)			
Web	362S162-43(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
14'-5-1	49'-4-0

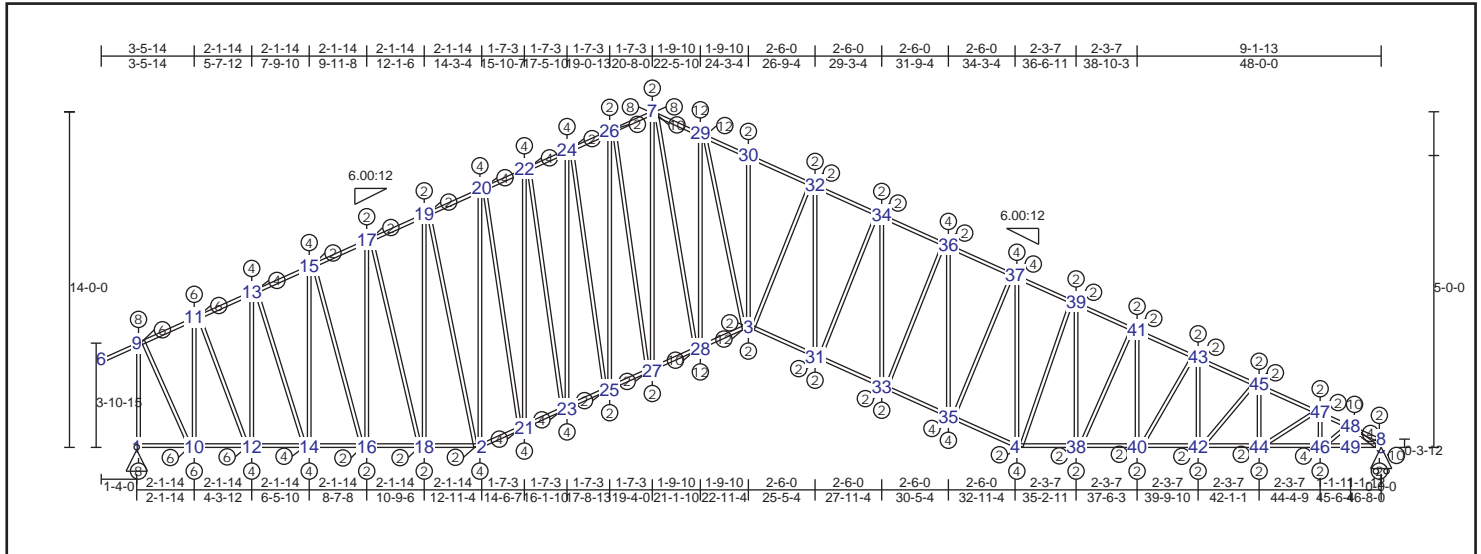
Material Design Pass

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	Web	Member Id	CSI	Max Axial Force	Max Comp. Force	Bot Chord	Member Id	CSI	Max Axial Force	Max Comp. Force	
9-15	0.31	42 lbs	0 lbs	7-43	0.41	1739 lbs	-592 lbs	2-16	0.09	289 lbs	-210 lbs	5-26	0.23	-323 lbs	-323 lbs
15-17	0.42	352 lbs	-324 lbs	43-45	0.30	1717 lbs	-601 lbs	2-17	0.09	289 lbs	-249 lbs	5-27	0.35	-994 lbs	-994 lbs
17-18	0.31	-590 lbs	-590 lbs	45-47	0.50	1592 lbs	-601 lbs	3-13	0.52	-2373 lbs	-2373 lbs	1-15	0.44	72 lbs	-45 lbs
18-20	0.86	-1165 lbs	-1165 lbs	47-49	0.89	1254 lbs	-536 lbs	13-18	0.52	-2373 lbs	-2373 lbs	15-16	0.08	-381 lbs	-381 lbs
20-22	0.80	-1459 lbs	-1459 lbs	12-49	0.89	-2300 lbs	-2300 lbs	19-20	0.45	-1770 lbs	-1770 lbs	18-19	0.15	1653 lbs	-530 lbs
22-24	0.54	-1535 lbs	-1535 lbs	8-12	0.89	-2300 lbs	-2300 lbs	21-22	0.45	-1373 lbs	-1373 lbs	20-21	0.22	1525 lbs	-800 lbs
24-25	0.59	-1535 lbs	-1535 lbs	6-36	0.39	2469 lbs	-665 lbs	23-24	0.33	-797 lbs	-797 lbs	22-23	0.17	1034 lbs	-489 lbs
25-27	0.64	-1423 lbs	-1423 lbs	36-38	0.33	2399 lbs	-655 lbs	4-14	0.09	-206 lbs	-206 lbs	14-25	0.22	-515 lbs	-515 lbs
27-29	0.70	-1821 lbs	-1821 lbs	38-40	0.40	2239 lbs	-631 lbs	14-25	0.17	465 lbs	-206 lbs	27-28	0.22	738 lbs	-337 lbs
29-31	0.48	-1851 lbs	-1851 lbs	7-40	0.38	1962 lbs	-612 lbs	28-29	0.59	-861 lbs	-861 lbs	29-30	0.07	738 lbs	-101 lbs
10-31	0.40	-1851 lbs	-1851 lbs	4-26	0.39	381 lbs	-143 lbs	30-31	0.50	-729 lbs	-729 lbs	31-32	0.05	587 lbs	-54 lbs
10-34	0.64	-2260 lbs	-2260 lbs	26-28	0.48	1199 lbs	-389 lbs	10-32	0.40	-582 lbs	-582 lbs	10-33	0.52	2421 lbs	-909 lbs
34-35	0.64	-2684 lbs	-2684 lbs	28-30	0.42	1344 lbs	-393 lbs	33-34	0.53	-2906 lbs	-2906 lbs	6-34	0.41	2775 lbs	-176 lbs
35-37	0.47	-2684 lbs	-2684 lbs	30-32	0.32	1432 lbs	-424 lbs	6-35	0.09	-251 lbs	-251 lbs	6-37	0.05	452 lbs	-176 lbs
37-39	0.51	-2671 lbs	-2671 lbs	32-33	0.42	1510 lbs	-424 lbs	36-37	0.17	-451 lbs	-451 lbs	36-39	0.04	414 lbs	-85 lbs
39-41	0.56	-2671 lbs	-2671 lbs	6-33	0.42	2071 lbs	-533 lbs	38-39	0.19	-528 lbs	-528 lbs	38-41	0.06	678 lbs	-101 lbs
41-42	0.64	-2603 lbs	-2603 lbs	2-13	0.89	744 lbs	-315 lbs	40-41	0.27	-750 lbs	-750 lbs	40-42	0.06	678 lbs	-171 lbs
42-44	0.65	-2419 lbs	-2419 lbs	13-19	0.44	744 lbs	-315 lbs	7-42	0.35	-947 lbs	-947 lbs	7-44	0.02	208 lbs	-47 lbs
44-46	0.46	-2075 lbs	-2075 lbs	19-21	0.44	875 lbs	-309 lbs	43-44	0.07	-256 lbs	-256 lbs	43-46	0.07	340 lbs	-89 lbs
46-48	0.53	-2068 lbs	-2068 lbs	21-23	0.64	1040 lbs	-374 lbs	45-46	0.13	-617 lbs	-617 lbs	45-48	0.07	745 lbs	-213 lbs
48-50	0.74	-1856 lbs	-1856 lbs	14-23	0.44	1040 lbs	-374 lbs	47-48	0.18	-1068 lbs	-1068 lbs	47-50	0.13	1429 lbs	-418 lbs
50-52	0.40	-1206 lbs	-1206 lbs	5-14	0.44	1040 lbs	-374 lbs	49-50	0.27	-1834 lbs	-1834 lbs	49-52	0.31	3250 lbs	-1073 lbs
52-53	0.40	2692 lbs	-757 lbs	1-16	0.44	-329 lbs	-329 lbs	8-51	0.04	-354 lbs	-354 lbs	12-53	0.06	-500 lbs	-500 lbs
51-53	0.41	2518 lbs	-736 lbs	3-16	0.23	-329 lbs	-329 lbs	12-52	0.45	-3428 lbs	-3428 lbs	8-53	0.26	2722 lbs	-911 lbs
11-51	0.37	46 lbs	0 lbs												

TRUSS TR4 (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 : 2.04 (7 - 29)	TL(V): 0.59 in.	L / 618	(29-30)	L / 90
BC : 2.65 (28 - 3)	LL(V): 0.38 in.	L / 955	(29-30)	L / 90
Web : 2.25 (28 - 29)	DL(V): 0.21 in.	L / 644	3	L / 0
	Cant / OH TL: 0.38 in.	2L / 18	(30-32)	2L / 90
	Cant / OH LL: 0.38 in.	2L / 18	(30-32)	2L / 90
	Horiz TL: 0.23 in.		5	
	Web :			
	Snow/Wind -0.2 in.	L / 669	(3-31)	L / 90
	Cant (Snow/Wind) -0.2 in.	L / 91	(3-31)	L / 90

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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- 3) Wind Criteria: Code = ASCE 7-10, Wind Speed: 134.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 14.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 80.00 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.
- 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		-580 lbs	2310 lbs	0 lbs	-520 lbs	-580 lbs
5	HRoll		0 lbs	2190 lbs	0 lbs	-520 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Section	Material	Bracing
Top Chd	362S162-43(33)	Sheathing				
Bot Chd	362S162-43(33)	Purlin (96 in.)				
Web	362S162-43(33)	Unbraced				

Truss Dimensions

Max Height	Max Width
13-11-10	48-0-0

Material Design Fail

Slenderness check failed @

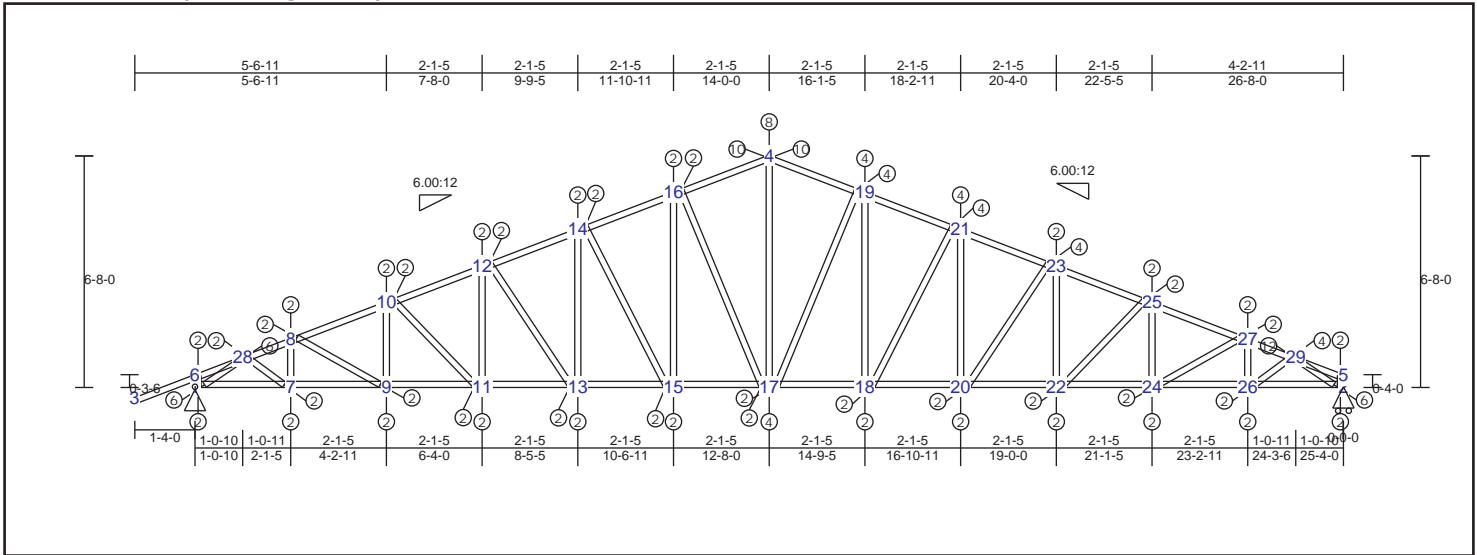
WB2-20 Slenderness check failed

Member Forces Summary

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

Top Chord				Bot Chord				Web							
6-9	0.31	42 lbs	0 lbs	2-21	0.42	2088 lbs	-821 lbs	1-9	0.48	-2369 lbs	-2369 lbs	5-8	0.00	-36 lbs	-36 lbs
9-11	1.42	-1721 lbs	-1721 lbs	21-23	0.46	2257 lbs	-846 lbs	10-11	0.50	-2116 lbs	-2116 lbs	9-10	0.21	2196 lbs	-804 lbs
11-13	0.85	-2056 lbs	-2056 lbs	23-25	0.40	2357 lbs	-866 lbs	12-13	0.43	-1388 lbs	-1388 lbs	11-12	0.16	1584 lbs	-632 lbs
13-15	0.63	-2231 lbs	-2231 lbs	25-27	0.39	2442 lbs	-887 lbs	14-15	0.40	-995 lbs	-995 lbs	13-14	0.15	1080 lbs	-446 lbs
15-17	0.54	-2292 lbs	-2292 lbs	27-28	1.72	2525 lbs	-887 lbs	16-17	0.32	-646 lbs	-646 lbs	15-16	0.13	716 lbs	-316 lbs
17-19	0.47	-2292 lbs	-2292 lbs	3-28	2.65	3361 lbs	-1102 lbs	18-19	0.19	-314 lbs	-314 lbs	17-18	0.11	394 lbs	-203 lbs
19-21	0.66	-2649 lbs	-2649 lbs	1-10	1.10	784 lbs	-482 lbs	2-20	0.75	-1095 lbs	-1095 lbs	2-19	0.07	237 lbs	-117 lbs
20-22	0.66	-2757 lbs	-2757 lbs	10-12	1.10	1280 lbs	-651 lbs	21-22	0.71	-1034 lbs	-1034 lbs	20-21	0.13	931 lbs	-199 lbs
22-24	0.58	-2799 lbs	-2799 lbs	12-14	0.64	1571 lbs	-733 lbs	23-24	0.57	-825 lbs	-825 lbs	22-23	0.10	840 lbs	-163 lbs
24-26	0.57	-2825 lbs	-2825 lbs	14-16	0.48	1739 lbs	-764 lbs	25-26	0.47	-679 lbs	-679 lbs	24-25	0.06	667 lbs	-101 lbs
7-26	0.50	-2825 lbs	-2825 lbs	16-18	0.32	1820 lbs	-764 lbs	7-27	0.39	-560 lbs	-560 lbs	26-27	0.05	529 lbs	-49 lbs
7-29	2.04	-3513 lbs	-3513 lbs	2-18	0.45	1846 lbs	-760 lbs	28-29	2.25	-4297 lbs	-4297 lbs	7-28	0.80	3542 lbs	-1297 lbs
29-30	1.97	-4169 lbs	-4169 lbs	4-38	0.70	3153 lbs	-1152 lbs	3-30	0.11	-293 lbs	-293 lbs	3-29	0.68	4195 lbs	-1489 lbs
30-32	0.68	-4169 lbs	-4169 lbs	38-40	0.53	3338 lbs	-1267 lbs	31-32	0.15	-412 lbs	-412 lbs	3-32	0.04	414 lbs	-141 lbs
32-34	0.70	-4117 lbs	-4117 lbs	40-42	0.40	3494 lbs	-1371 lbs	33-34	0.20	-551 lbs	-551 lbs	31-34	0.04	402 lbs	-95 lbs
34-36	0.75	-4117 lbs	-4117 lbs	42-44	0.39	3589 lbs	-1448 lbs	35-36	0.30	-831 lbs	-831 lbs	33-36	0.06	548 lbs	-179 lbs
36-37	0.84	-4023 lbs	-4023 lbs	44-46	0.40	3589 lbs	-1454 lbs	4-37	0.36	-991 lbs	-991 lbs	35-37	0.08	745 lbs	-245 lbs
37-39	0.82	-3810 lbs	-3810 lbs	5-46	1.45	3514 lbs	-1454 lbs	38-39	0.09	588 lbs	-334 lbs	4-39	0.19	-629 lbs	-629 lbs
39-41	1.70	-3662 lbs	-3662 lbs	3-31	0.42	3916 lbs	-1276 lbs	40-41	0.04	325 lbs	-199 lbs	38-41	0.12	-501 lbs	-501 lbs
41-43	0.65	-3845 lbs	-3845 lbs	31-33	0.48	3825 lbs	-1243 lbs	42-43	0.02	176 lbs	-115 lbs	40-43	0.06	-339 lbs	-339 lbs
43-45	0.62	-4022 lbs	-4022 lbs	33-35	0.55	3640 lbs	-1194 lbs	44-45	0.01	-39 lbs	-39 lbs	42-45	0.03	-157 lbs	-157 lbs
45-47	0.64	-4069 lbs	-4069 lbs	4-35	0.52	3334 lbs	-1158 lbs	46-47	0.05	-411 lbs	-411 lbs	44-47	0.01	92 lbs	-31 lbs
47-48	0.94	-4031 lbs	-4031 lbs									5-48	0.47	-3657 lbs	-3657 lbs
8-48	0.66	-3541 lbs	-3541 lbs									46-48	0.09	974 lbs	-385 lbs

TRUSS TG2 (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 : 0.75 (27 - 29)	TL(V): 0.09 in.	L / 999 (19-21)	L / 90
BC : 0.83 (26 - 2)	LL(V): 0.06 in.	L / 999 (19-21)	L / 90
Web : 0.26 (29 - 2)	DL(V): 0.03 in.	L / 999 (18-20)	L / 0
	Cant / OH TL: 0 in.	2L / 999 2	2L / 90
	Cant / OH LL: 0 in.	2L / 999 2	2L / 90
	Horiz TL: 0.02 in.	5	
	Web :		
	Snow/Wind -0.03 in.	L / 999 (13-15)	L / 90
	Cant (Snow/Wind) -0.02 in.	L / 999 (3-6)	L / 90

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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 134.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 14.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 80.00 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.
- 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		-180 lbs	1080 lbs	0 lbs	-230 lbs	-180 lbs
2	HRRoll		0 lbs	1220 lbs	0 lbs	-250 lbs	0 lbs
5	HRRoll		0 lbs	30 lbs	0 lbs	-20 lbs	0 lbs
6	Pin	160 lbs	160 lbs	300 lbs	0 lbs	-200 lbs	160 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	362S162-43(33)	Sheathing			
Bot Chd	362S162-43(33)	Purlin (96 in.)			
Web	362S162-43(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
7-1-1	26-8-0

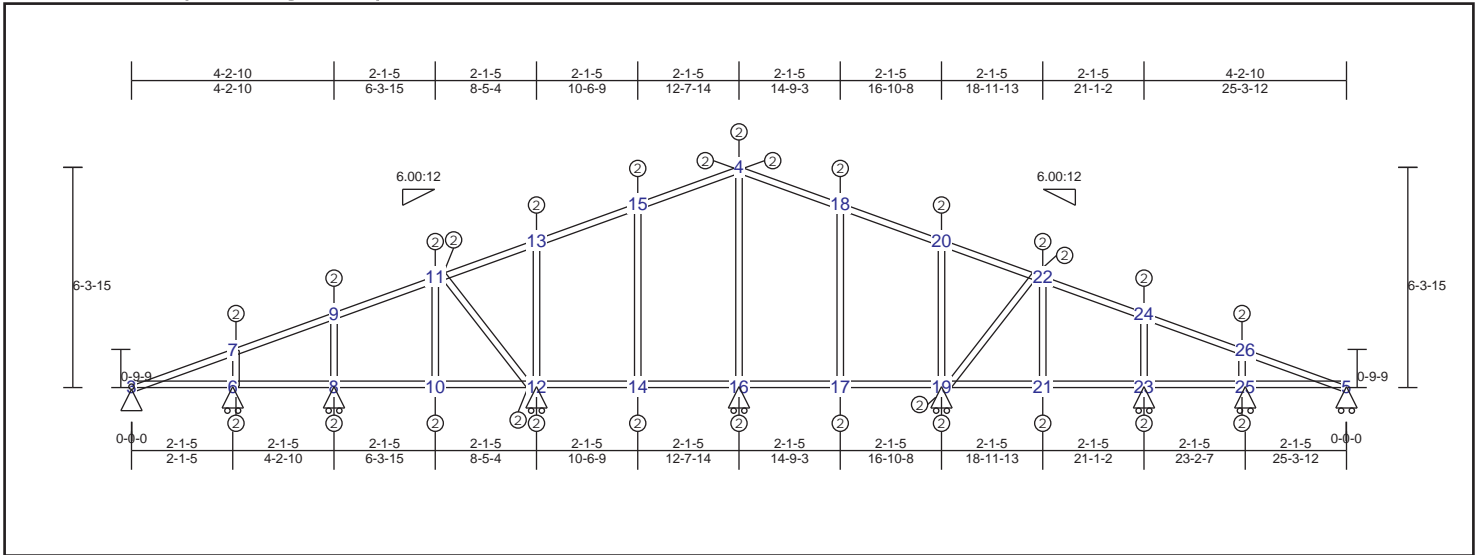
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.23	46 lbs	0 lbs	1-7	0.73	1879 lbs	-485 lbs	1-6	0.00	0 lbs	0 lbs
6-28	0.39	-1869 lbs	-1869 lbs	7-9	0.19	1879 lbs	-485 lbs	7-8	0.04	-276 lbs	-276 lbs
8-28	0.57	-2160 lbs	-2160 lbs	9-11	0.23	1871 lbs	-476 lbs	9-10	0.00	47 lbs	-10 lbs
8-10	0.38	-2160 lbs	-2160 lbs	11-13	0.27	1739 lbs	-429 lbs	11-12	0.02	220 lbs	-70 lbs
10-12	0.39	-2069 lbs	-2069 lbs	13-15	0.27	1566 lbs	-369 lbs	13-14	0.04	386 lbs	-124 lbs
12-14	0.41	-1862 lbs	-1862 lbs	15-17	0.43	1372 lbs	-304 lbs	15-16	0.05	506 lbs	-179 lbs
14-16	0.43	-1660 lbs	-1660 lbs	17-18	0.43	1373 lbs	-272 lbs	4-17	0.11	1161 lbs	-293 lbs
4-16	0.40	-1459 lbs	-1459 lbs	18-20	0.27	1570 lbs	-308 lbs	18-19	0.05	514 lbs	-189 lbs
4-19	0.55	-1460 lbs	-1460 lbs	20-22	0.27	1748 lbs	-347 lbs	20-21	0.04	395 lbs	-136 lbs
19-21	0.60	-1662 lbs	-1662 lbs	22-24	0.24	1888 lbs	-401 lbs	22-23	0.02	232 lbs	-80 lbs
21-23	0.58	-1868 lbs	-1868 lbs	24-26	0.22	1923 lbs	-431 lbs	24-25	0.00	49 lbs	-22 lbs
23-25	0.55	-2082 lbs	-2082 lbs	2-26	0.83	1923 lbs	-431 lbs	26-27	0.03	-225 lbs	-225 lbs
25-27	0.53	-2195 lbs	-2195 lbs					2-5	0.00	0 lbs	0 lbs
27-29	0.75	-2195 lbs	-2195 lbs					8-9	0.01	-42 lbs	-42 lbs
5-29	0.52	-1943 lbs	-1943 lbs					10-11	0.03	-222 lbs	-222 lbs
								12-13	0.07	-382 lbs	-382 lbs
								14-15	0.11	-535 lbs	-535 lbs
								16-17	0.17	-617 lbs	-617 lbs
								17-19	0.17	-624 lbs	-624 lbs
								18-21	0.12	-543 lbs	-543 lbs
								20-23	0.07	-393 lbs	-393 lbs
								22-25	0.04	-236 lbs	-236 lbs
								24-27	0.01	55 lbs	-44 lbs
								2-29	0.26	-2029 lbs	-2029 lbs
								26-29	0.05	566 lbs	-116 lbs
								1-28	0.23	-1793 lbs	-1793 lbs
								7-28	0.06	614 lbs	-175 lbs

TRUSS TG3 (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 : 0.30 (11 - 13)	TL(V): 0.02 in.	L / 999	(13-15)	L / 90
BC : 0.36 (14 - 16)	LL(V): 0.02 in.	L / 999	(13-15)	L / 90
Web : 0.09 (16 - 4)	DL(V): 0 in.	L / 999	(3-7)	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.		15	
	Web :			
	Snow/Wind -0.02 in.	L / 999	(4-18)	L / 90
	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 20.00 psf
- Wind Criteria: Code: ASCE 7-10, Wind Speed: 134.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 14.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6:00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 80.00 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.
- 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
3	Pin		-160 lbs	100 lbs	0 lbs	-70 lbs	-160 lbs
5	HRoll		0 lbs	90 lbs	0 lbs	-40 lbs	0 lbs
6	HRoll		0 lbs	220 lbs	0 lbs	-110 lbs	0 lbs
8	HRoll		0 lbs	240 lbs	0 lbs	-90 lbs	0 lbs
12	HRoll		0 lbs	500 lbs	0 lbs	-200 lbs	0 lbs
16	HRoll		0 lbs	390 lbs	0 lbs	0 lbs	0 lbs
19	HRoll		0 lbs	500 lbs	0 lbs	-200 lbs	0 lbs
23	HRoll		0 lbs	240 lbs	0 lbs	-90 lbs	0 lbs
25	HRoll		0 lbs	220 lbs	0 lbs	-110 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-33(33)	Sheathing			
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
6-5-0	25-3-12

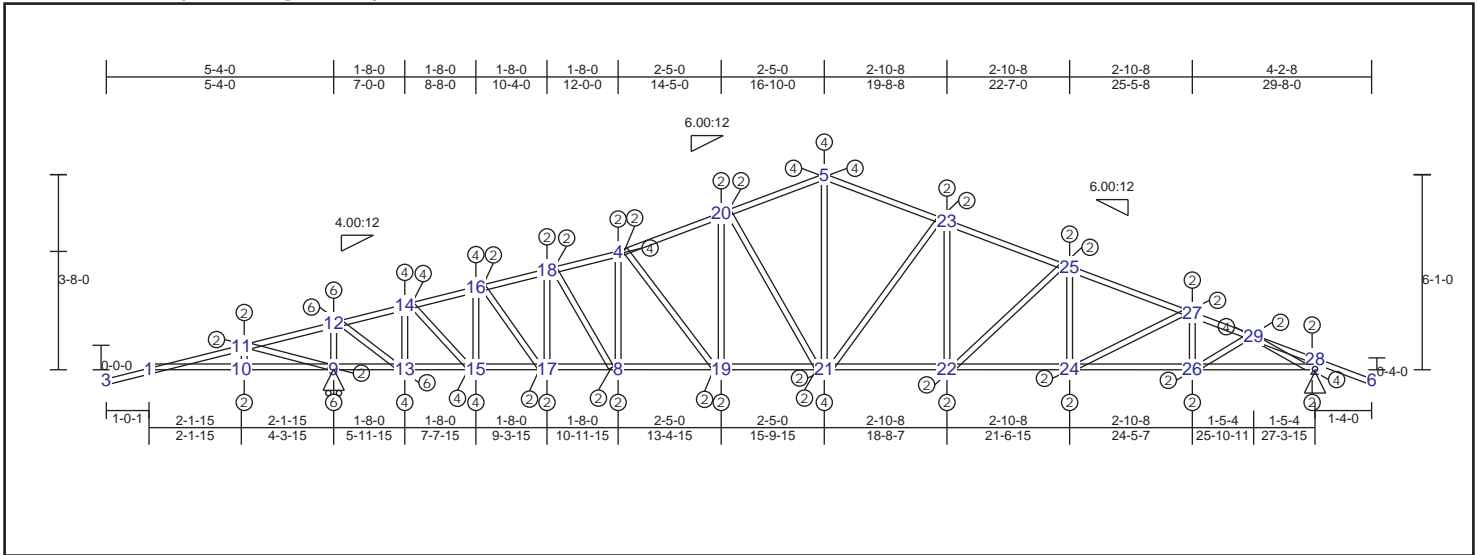
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.12	-185 lbs	-185 lbs	3-6	0.08	180 lbs	-45 lbs	6-7	0.04	-186 lbs	-186 lbs
7-9	0.18	-185 lbs	-185 lbs	6-8	0.04	180 lbs	-45 lbs	8-9	0.04	-206 lbs	-206 lbs
9-11	0.14	106 lbs	-105 lbs	8-10	0.04	153 lbs	-45 lbs	10-11	0.00	32 lbs	-13 lbs
11-13	0.30	151 lbs	-80 lbs	10-12	0.24	155 lbs	-75 lbs	12-13	0.06	-245 lbs	-245 lbs
13-15	0.16	186 lbs	-96 lbs	12-14	0.32	155 lbs	-75 lbs	14-15	0.05	-146 lbs	-146 lbs
4-15	0.27	186 lbs	-96 lbs	14-16	0.36	155 lbs	-75 lbs	4-16	0.09	-212 lbs	-212 lbs
4-18	0.27	171 lbs	-96 lbs	16-17	0.36	155 lbs	-75 lbs	17-18	0.05	-146 lbs	-146 lbs
18-20	0.16	171 lbs	-96 lbs	17-19	0.32	155 lbs	-75 lbs	19-20	0.06	-245 lbs	-245 lbs
20-22	0.30	121 lbs	-80 lbs	19-21	0.24	155 lbs	-75 lbs	21-22	0.00	31 lbs	-13 lbs
22-24	0.14	-105 lbs	-105 lbs	21-23	0.04	138 lbs	-45 lbs	23-24	0.04	-206 lbs	-206 lbs
24-26	0.18	-126 lbs	-126 lbs	23-25	0.03	138 lbs	-45 lbs	25-26	0.04	-186 lbs	-186 lbs
5-26	0.11	-126 lbs	-126 lbs	5-25	0.07	130 lbs	-45 lbs	19-22	0.03	-142 lbs	-142 lbs
								11-12	0.03	-142 lbs	-142 lbs

TRUSS TS1 (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 : 0.78 (11 - 12)	TL(V): 0.06 in.	L / 999 (23-25)	L / 90
BC : 0.63 (9 - 13)	LL(V): 0.04 in.	L / 999 (23-25)	L / 90
Web : 0.22 (9 - 12)	DL(V): 0.02 in.	L / 999 (4-20)	L / 0
	Cant / OH TL: 0.04 in.	2L / 952 (3-1)	2L / 90
	Cant / OH LL: 0.04 in.	2L / 952 (3-1)	2L / 90
	Horiz TL: -0.01 in.	13	
	Web :		
	Snow/Wind -0.06 in.	L / 999 (3-1)	L / 90
	Cant (Snow/Wind) -0.06 in. / 567	(3-1)	L / 90

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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 134.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 14.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 80.00 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.
- 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	Pin		370 lbs	710 lbs	0 lbs	-140 lbs	370 lbs
9	HRoll		0 lbs	1710 lbs	0 lbs	-500 lbs	0 lbs
28	Pin		-480 lbs	500 lbs	0 lbs	-190 lbs	-480 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	362S162-43(33)	Sheathing	Web 2-28	362S162-33(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (96 in.)			
Web	362S162-43(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
6'-6"	29'-8"

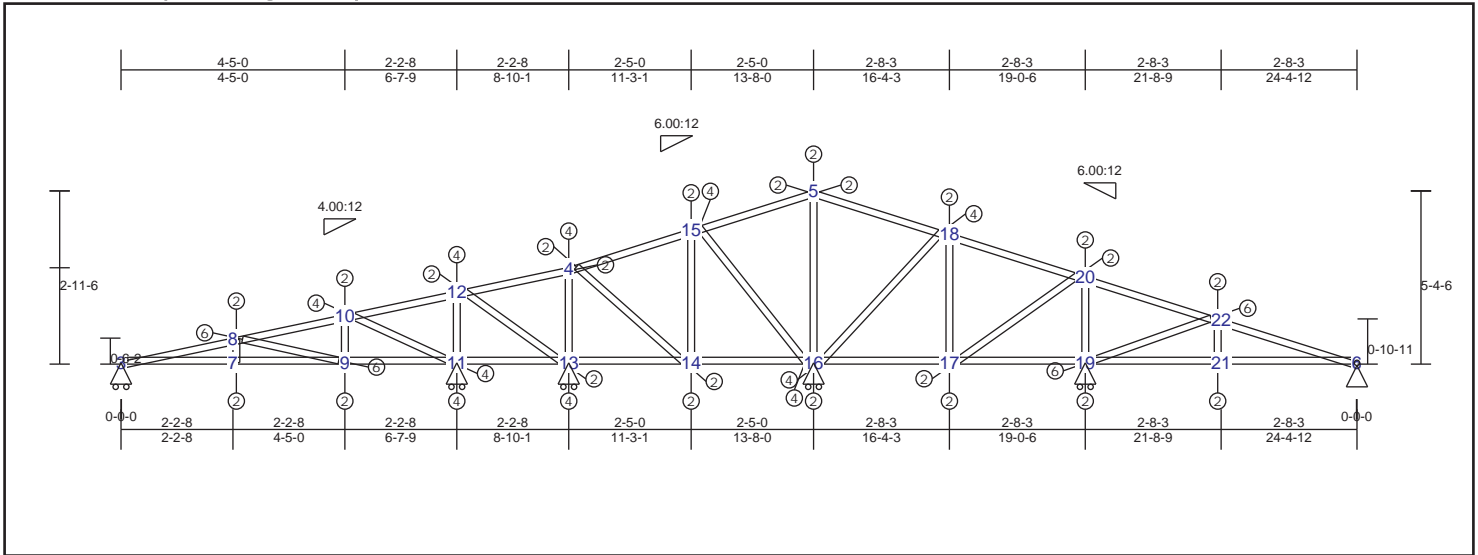
Material Design Pass

Member Forces Summary

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

Top Chord			Bot Chord			Web				
1-3	0.12	33 lbs	1-10	0.20	-790 lbs	-790 lbs	2-28	0.00	0 lbs	0 lbs
1-11	0.31	825 lbs	9-10	0.19	-937 lbs	-937 lbs	10-11	0.01	35 lbs	-6 lbs
11-12	0.78	991 lbs	9-13	0.63	-937 lbs	-937 lbs	9-12	0.22	-1686 lbs	-1686 lbs
12-14	0.75	-657 lbs	13-15	0.63	844 lbs	-69 lbs	13-14	0.17	-1276 lbs	-1276 lbs
14-16	0.54	-1153 lbs	15-17	0.36	1100 lbs	-135 lbs	15-16	0.11	-778 lbs	-778 lbs
16-18	0.36	-1358 lbs	8-17	0.22	1188 lbs	-154 lbs	17-18	0.07	-471 lbs	-471 lbs
4-18	0.33	-1376 lbs	8-19	0.16	1188 lbs	-154 lbs	4-8	0.03	-157 lbs	-157 lbs
4-20	0.31	-1389 lbs	19-21	0.33	1070 lbs	-148 lbs	19-20	0.02	225 lbs	-65 lbs
5-20	0.39	-1215 lbs	21-22	0.33	1153 lbs	-227 lbs	5-21	0.08	890 lbs	-209 lbs
5-23	0.47	-1250 lbs	22-24	0.22	1400 lbs	-330 lbs	22-23	0.03	355 lbs	-111 lbs
23-25	0.48	-1590 lbs	24-26	0.21	1568 lbs	-405 lbs	24-25	0.02	160 lbs	-44 lbs
25-27	0.41	-1866 lbs	2-26	0.47	1568 lbs	-405 lbs	26-27	0.01	82 lbs	-61 lbs
27-29	0.40	-1883 lbs					9-11	0.02	-142 lbs	-142 lbs
28-29	0.36	-1785 lbs					12-13	0.16	1704 lbs	-480 lbs
6-28	0.23	46 lbs					14-15	0.10	1045 lbs	-325 lbs
							16-17	0.05	575 lbs	-222 lbs
							8-18	0.02	251 lbs	-146 lbs
							4-19	0.04	-225 lbs	-225 lbs
							20-21	0.10	-424 lbs	-424 lbs
							21-23	0.13	-560 lbs	-560 lbs
							22-25	0.07	-405 lbs	-405 lbs
							24-27	0.03	-217 lbs	-217 lbs
							26-29	0.02	248 lbs	-92 lbs
							2-29	0.16	-1242 lbs	-1242 lbs

TRUSS S1 (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 : 0.77 (20 - 22)	TL(V): 0 in.	L / 999 (3-8)	L / 90
BC : 0.53 (21 - 6)	LL(V): 0 in.	L / 999 (3-8)	L / 90
Web : 0.10 (16 - 5)	DL(V): 0 in.	L / 999 (3-8)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0
	Cant / OH LL: 0 in.	2L / 999	0
	Horiz TL: 0 in.		12
	Web :		
	Snow/Wind -0.03 in.	L / 999 (22-6)	L / 90
	Cant (Snow/Wind) 0 in.	L / 999	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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
3	HRoll	0 lbs	-460 lbs	0 lbs	-460 lbs	0 lbs	0 lbs
4	HRoll	0 lbs	-330 lbs	0 lbs	-330 lbs	0 lbs	0 lbs
6	Pin	-120 lbs	-430 lbs	0 lbs	-430 lbs	-120 lbs	0 lbs
11	HRoll	0 lbs	-670 lbs	0 lbs	-670 lbs	0 lbs	0 lbs
16	HRoll	0 lbs	-1150 lbs	0 lbs	-1150 lbs	0 lbs	0 lbs
19	HRoll	0 lbs	-610 lbs	0 lbs	-610 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	362S162-33(33)	Sheathing			
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
5-5-8	24-4-12

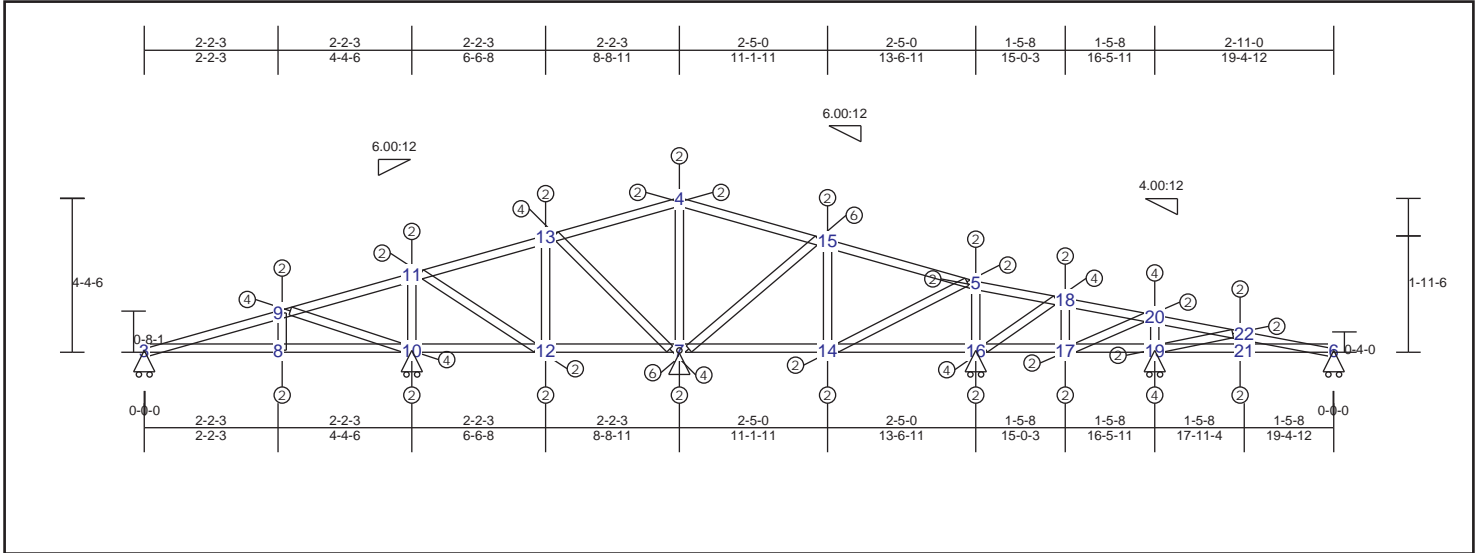
Material Design Pass

Member Forces Summary

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

Top Chord			Bot Chord			Web			
3-8	0.44	908 lbs	3-7	0.35	-784 lbs	7-8	0.00	29 lbs	-22 lbs
8-10	0.27	908 lbs	7-9	0.22	-784 lbs	9-10	0.05	-278 lbs	-278 lbs
10-12	0.39	-205 lbs	9-11	0.25	508 lbs	11-12	0.06	365 lbs	-283 lbs
4-12	0.35	122 lbs	11-13	0.25	524 lbs	4-13	0.05	363 lbs	-217 lbs
4-15	0.48	137 lbs	13-14	0.10	524 lbs	14-15	0.00	18 lbs	-17 lbs
5-15	0.55	205 lbs	14-16	0.52	822 lbs	5-16	0.10	-300 lbs	-300 lbs
5-18	0.43	200 lbs	16-17	0.52	822 lbs	17-18	0.01	-29 lbs	-29 lbs
18-20	0.25	127 lbs	17-19	0.25	580 lbs	19-20	0.06	295 lbs	-284 lbs
20-22	0.77	445 lbs	19-21	0.25	531 lbs	21-22	0.01	-68 lbs	-68 lbs
6-22	0.66	445 lbs	6-21	0.53	174 lbs	8-9	0.10	788 lbs	-387 lbs
						10-11	0.09	677 lbs	-420 lbs
						12-13	0.01	65 lbs	-23 lbs
						4-14	0.01	55 lbs	-16 lbs
						16-18	0.08	479 lbs	-290 lbs
						17-20	0.01	96 lbs	-27 lbs
						19-22	0.10	808 lbs	-349 lbs
						15-16	0.08	683 lbs	-276 lbs

TRUSS S2 (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 (4 - 15)	TL(V): 0 in.	L / 999 (4-15)	L / 90
BC : 0.51 (12 - 7)	LL(V): 0 in.	L / 999 (4-15)	L / 90
Web : 0.09 (7 - 15)	DL(V): 0 in.	L / 999 (4-15)	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.	5	
	Web :		
	Snow/Wind -0.02 in.	L / 999 (15-5)	L / 90
	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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
3	HRoll		0 lbs	-340 lbs	0 lbs	-340 lbs	0 lbs
6	HRoll		0 lbs	-200 lbs	0 lbs	-200 lbs	0 lbs
7	Pin		-160 lbs	-1050 lbs	0 lbs	-1050 lbs	-160 lbs
10	HRoll		0 lbs	-540 lbs	0 lbs	-540 lbs	0 lbs
16	HRoll		0 lbs	-450 lbs	0 lbs	-450 lbs	0 lbs
19	HRoll		0 lbs	-700 lbs	0 lbs	-700 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	362S162-33(33)	Sheathing			
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
4-5-8	19-4-12

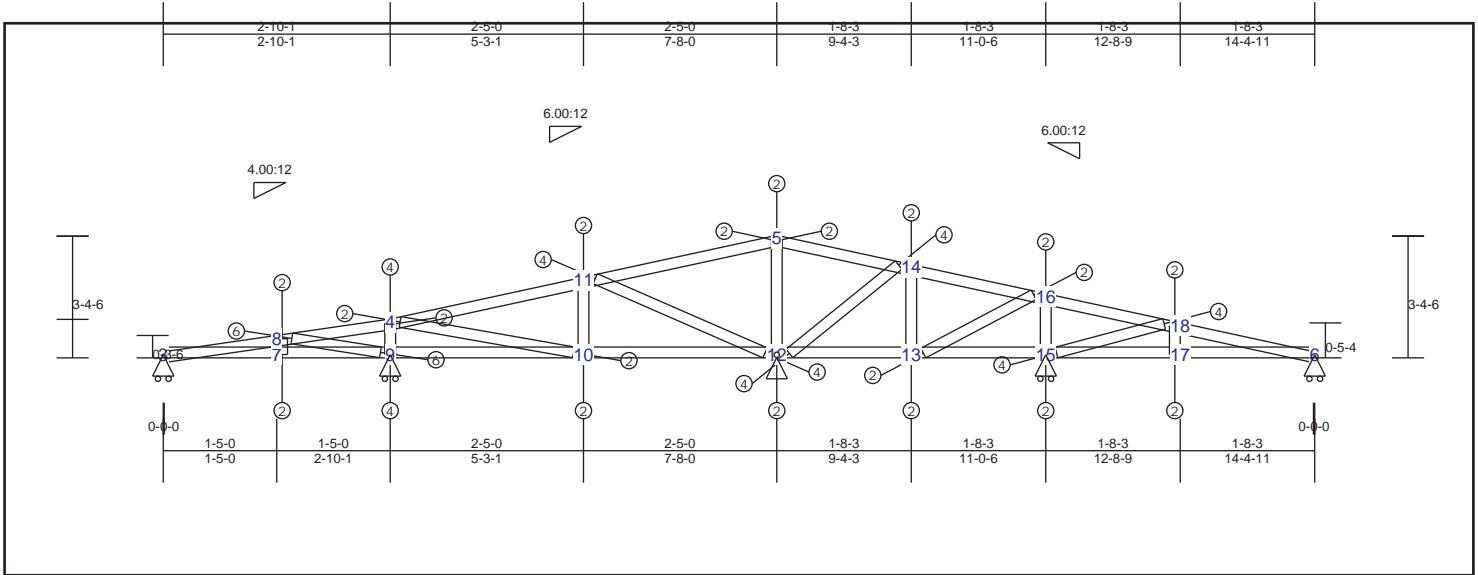
Material Design Pass

Member Forces Summary

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

Top Chord			Bot Chord			Web		
4-15	0.55	177 lbs	3-8	0.32	-178 lbs	8-9	0.01	-53 lbs
5-15	0.46	239 lbs	8-10	0.21	367 lbs	10-11	0.05	290 lbs
3-9	0.45	340 lbs	10-12	0.21	399 lbs	12-13	0.00	15 lbs
9-11	0.48	340 lbs	7-12	0.51	754 lbs	4-7	0.06	-231 lbs
11-13	0.16	116 lbs	7-14	0.51	754 lbs	14-15	0.02	-69 lbs
4-13	0.27	161 lbs	14-16	0.23	354 lbs	5-16	0.03	175 lbs
5-18	0.09	303 lbs	16-17	0.23	255 lbs	17-18	0.01	106 lbs
18-20	0.42	303 lbs	17-19	0.11	115 lbs	19-20	0.08	626 lbs
20-22	0.46	225 lbs	19-21	0.11	-159 lbs	21-22	0.00	17 lbs
6-22	0.19	225 lbs	6-21	0.12	-159 lbs	9-10	0.08	630 lbs
						11-12	0.01	68 lbs
						7-13	0.06	398 lbs
						7-15	0.09	743 lbs
						5-14	0.02	139 lbs
						16-18	0.05	381 lbs
						17-20	0.03	-136 lbs
						19-22	0.04	292 lbs
								-178 lbs

TRUSS S3 (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 (11 - 5)	TL(V): 0 in.	L / 999	4	L / 90
BC : 0.35 (10 - 12)	LL(V): 0 in.	L / 999	4	L / 90
Web : 0.13 (8 - 9)	DL(V): 0 in.	L / 999	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 in.		4	
	Web :			
	Snow/Wind -0.02 in.	L / 999	(4-11)	L / 90
	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC LiveRoof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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
3	HRoll	0 lbs	-510 lbs	0 lbs	0 lbs	-510 lbs	0 lbs
4	HRoll	0 lbs	-800 lbs	0 lbs	0 lbs	-800 lbs	0 lbs
6	HRoll	0 lbs	-230 lbs	0 lbs	0 lbs	-230 lbs	0 lbs
12	Pin	210 lbs	-1000 lbs	0 lbs	0 lbs	-1000 lbs	210 lbs
15	HRoll	0 lbs	-460 lbs	0 lbs	0 lbs	-460 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-33(33)	Sheathing	Section		
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
3-5-8	14-4-11

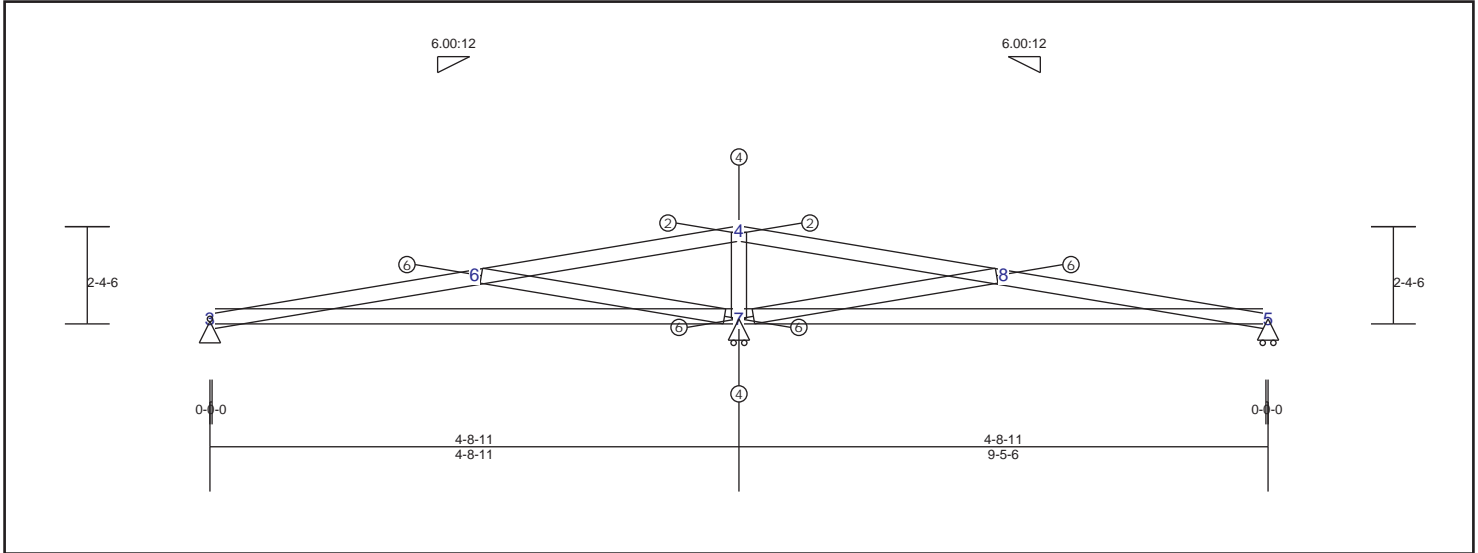
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
4-11	0.48	186 lbs	-111 lbs	3-7	0.25	-644 lbs	-644 lbs	7-8	0.00	22 lbs	-7 lbs
5-11	0.70	186 lbs	-54 lbs	7-9	0.26	-644 lbs	-644 lbs	4-9	0.06	463 lbs	-180 lbs
3-8	0.35	778 lbs	-237 lbs	9-10	0.26	325 lbs	-26 lbs	10-11	0.01	50 lbs	-9 lbs
4-8	0.32	783 lbs	-237 lbs	10-12	0.35	785 lbs	-208 lbs	5-12	0.05	-223 lbs	-223 lbs
5-14	0.36	121 lbs	-8 lbs	12-13	0.27	785 lbs	-208 lbs	13-14	0.01	-47 lbs	-47 lbs
14-16	0.27	77 lbs	-11 lbs	13-15	0.17	379 lbs	-122 lbs	15-16	0.03	260 lbs	-160 lbs
16-18	0.27	178 lbs	-134 lbs	15-17	0.17	305 lbs	-109 lbs	17-18	0.01	-34 lbs	-34 lbs
6-18	0.27	178 lbs	-134 lbs	6-17	0.18	88 lbs	-61 lbs	8-9	0.13	1023 lbs	-204 lbs
								4-10	0.01	62 lbs	-28 lbs
								11-12	0.08	691 lbs	-304 lbs
								12-14	0.05	418 lbs	-182 lbs
								13-16	0.01	122 lbs	-28 lbs
								15-18	0.05	430 lbs	-200 lbs

TRUSS S4 (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 : 0.67 (4 - 8)	TL(V): 0 in.	L / 999 (3-6)	L / 90
BC : 0.72 (3 - 7)	LL(V): 0 in.	L / 999 (3-6)	L / 90
Web : 0.11 (7 - 8)	DL(V): 0 in.	L / 999 (3-6)	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.	5	
	Web :		
	Snow/Wind -0.01 in.	L / 999 (6-4)	L / 90
	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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
3	Pin		-60 lbs	-220 lbs	0 lbs	-220 lbs	-60 lbs
5	HRoll		0 lbs	-220 lbs	0 lbs	-220 lbs	0 lbs
7	HRoll		0 lbs	-1270 lbs	0 lbs	-1270 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-33(33)	Sheathing			
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
2-5-7	9-5-6

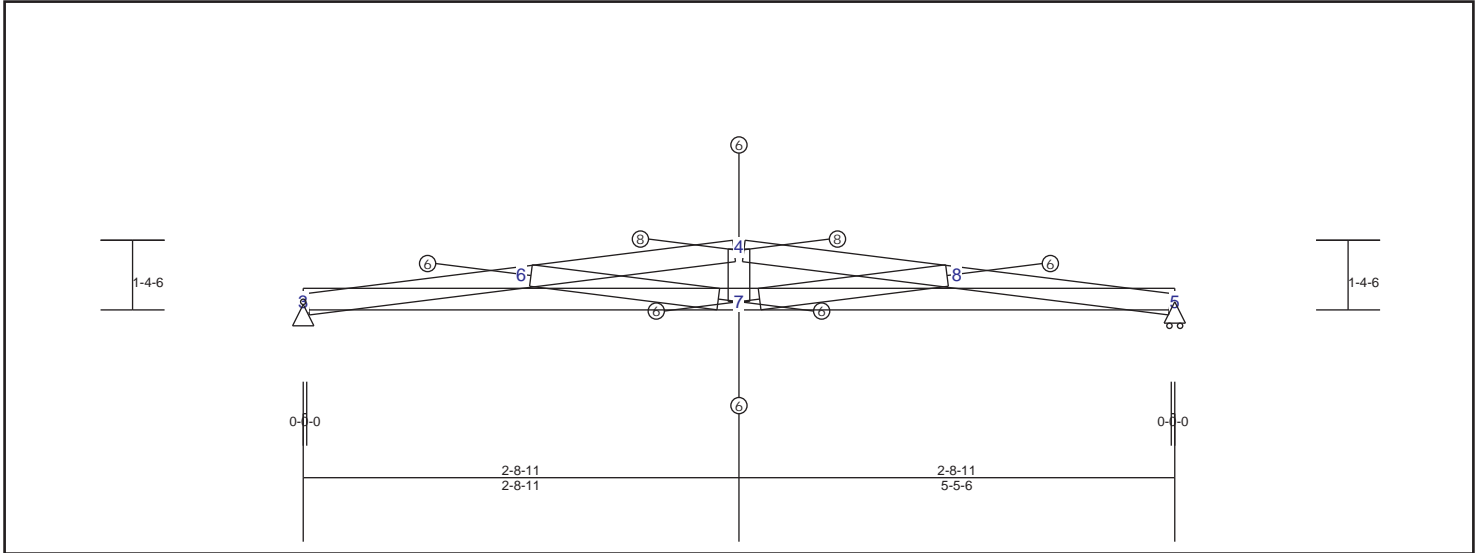
Material Design Pass

Member Forces Summary

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

Top Chord			Bot Chord			Web					
3-6	0.25	269 lbs	-150 lbs	3-7	0.72	643 lbs	-194 lbs	4-7	0.07	538 lbs	-300 lbs
4-6	0.67	-278 lbs	-278 lbs	5-7	0.72	643 lbs	-194 lbs	6-7	0.11	912 lbs	-315 lbs
4-8	0.67	-278 lbs	-278 lbs					7-8	0.11	913 lbs	-315 lbs
5-8	0.25	269 lbs	-150 lbs								

TRUSS S5 (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 (4 - 8)	TL(V): 0 in.	L / 999 (3-6)	L / 90
BC : 0.48 (7 - 5)	LL(V): 0 in.	L / 999 (3-6)	L / 90
Web : 0.14 (7 - 4)	DL(V): 0 in.	L / 999 (3-6)	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.	5	
	Web :		
	Snow/Wind -0.02 in.	L / 999 (6-4)	L / 90
	Cant (Snow/Wind) 0 in.	L / 999 (7-5)	L / 90

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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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
3	Pin		-30 lbs	-970 lbs	0 lbs	-970 lbs	-30 lbs
5	HRoll		0 lbs	-970 lbs	0 lbs	-970 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-33(33)	Sheathing			
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-5-7	5-5-6

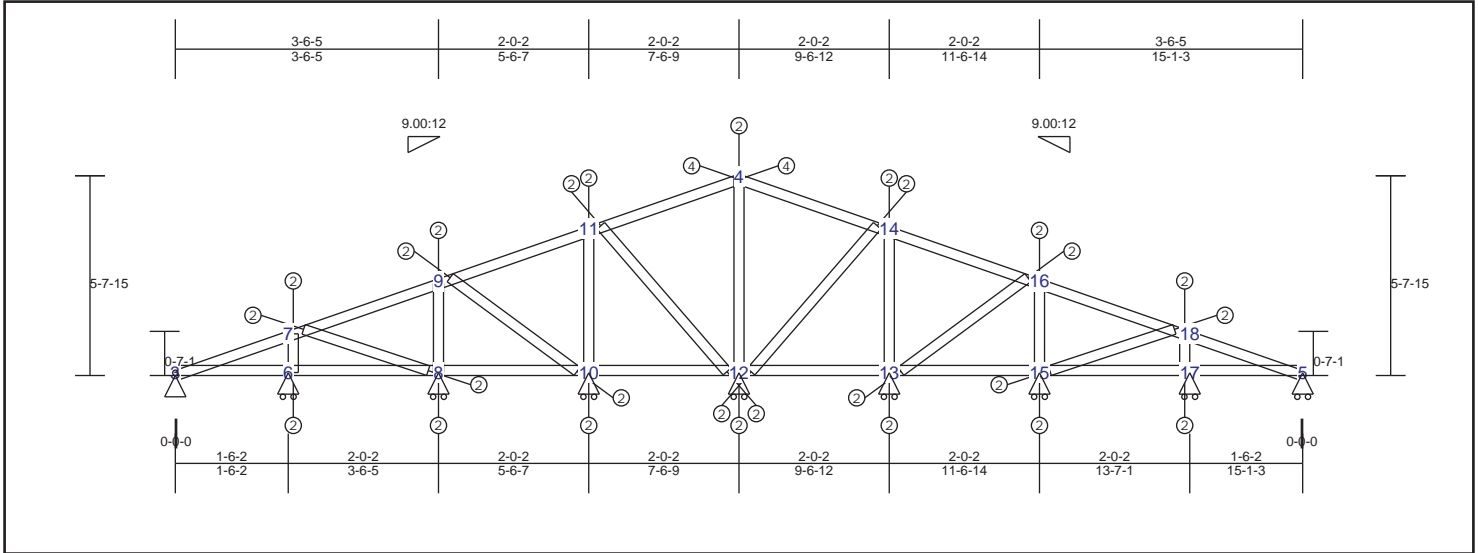
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.42	1782 lbs	-464 lbs	3-7	0.48	-1481 lbs	-1481 lbs	4-7	0.14	-712 lbs	-712 lbs
4-6	0.53	1782 lbs	-464 lbs	5-7	0.48	-1481 lbs	-1481 lbs	6-7	0.09	776 lbs	-153 lbs
4-8	0.53	1782 lbs	-464 lbs					7-8	0.09	776 lbs	-153 lbs
5-8	0.42	1782 lbs	-464 lbs								

TRUSS V01 (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 : 0.34 (11 - 4)	TL(V): 0 in.	L / 999 3	L / 90
BC : 0.22 (3 - 6)	LL(V): 0 in.	L / 999 3	L / 90
Web : 0.07 (12 - 4)	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.	5	
	Web :		
	Snow/Wind 0 in.	L / 999 3	L / 90
	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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
3	Pin	-80 lbs	-90 lbs	0 lbs	-90 lbs	-80 lbs	-80 lbs
5	HRoll	0 lbs	-90 lbs	0 lbs	-90 lbs	0 lbs	0 lbs
6	HRoll	0 lbs	-330 lbs	0 lbs	-330 lbs	0 lbs	0 lbs
8	HRoll	0 lbs	-310 lbs	0 lbs	-310 lbs	0 lbs	0 lbs
10	HRoll	0 lbs	180 lbs	0 lbs	-180 lbs	0 lbs	0 lbs
12	HRoll	0 lbs	-430 lbs	0 lbs	-430 lbs	0 lbs	0 lbs
13	HRoll	0 lbs	180 lbs	0 lbs	-180 lbs	0 lbs	0 lbs
15	HRoll	0 lbs	-310 lbs	0 lbs	-310 lbs	0 lbs	0 lbs
17	HRoll	0 lbs	-330 lbs	0 lbs	-330 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-33(33)	Sheathing			
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height 5-8-8
Max Width 15-1-3

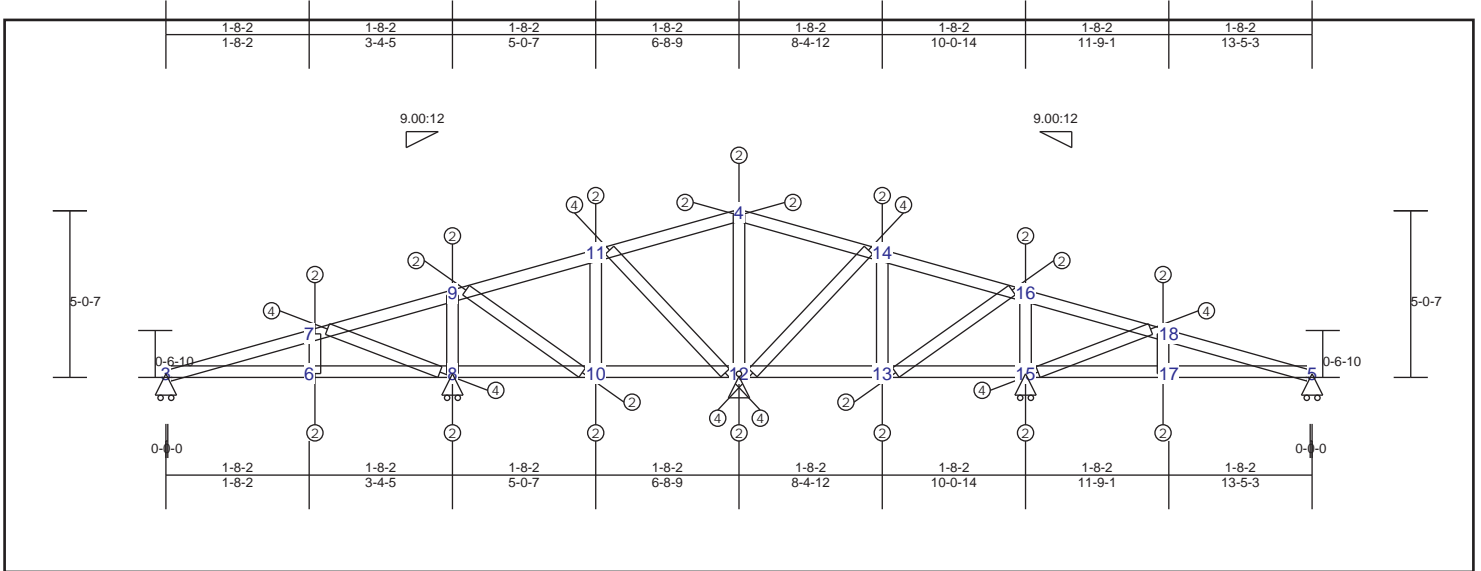
Material Design Pass

Member Forces Summary

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

Top Chord			Bot Chord			Web		
3-7	0.28	-133 lbs	3-6	0.22	255 lbs	-49 lbs	0.04	311 lbs
7-9	0.32	153 lbs	6-8	0.10	416 lbs	-116 lbs	0.03	232 lbs
9-11	0.16	212 lbs	8-10	0.11	489 lbs	-156 lbs	0.03	-99 lbs
4-11	0.34	323 lbs	10-12	0.20	613 lbs	-206 lbs	0.03	-99 lbs
4-14	0.34	323 lbs	12-13	0.20	613 lbs	-206 lbs	0.03	232 lbs
14-16	0.16	212 lbs	13-15	0.11	489 lbs	-156 lbs	0.04	311 lbs
16-18	0.32	153 lbs	15-17	0.10	416 lbs	-116 lbs	0.07	-195 lbs
5-18	0.28	-133 lbs	5-17	0.22	255 lbs	-49 lbs	0.02	201 lbs
							0.02	147 lbs
							0.04	340 lbs
							0.04	341 lbs
							0.02	147 lbs
							0.02	201 lbs

TRUSS V02 (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 : 0.44 (16 - 18)	TL(V): 0 in.	L / 999	3	L / 90
BC : 0.37 (3 - 6)	LL(V): 0 in.	L / 999	3	L / 90
Web : 0.06 (7 - 8)	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.		5	
	Web :			
	Snow/Wind -0.01 in.	L / 999	(18-5)	L / 90
	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC LiveRoof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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
3	HRoll	0 lbs	-170 lbs	0 lbs	-170 lbs	0 lbs	0 lbs
5	HRoll	0 lbs	-170 lbs	0 lbs	-170 lbs	0 lbs	0 lbs
8	HRoll	0 lbs	-580 lbs	0 lbs	-580 lbs	0 lbs	0 lbs
12	Pin	-50 lbs	-660 lbs	0 lbs	-660 lbs	-50 lbs	-50 lbs
15	HRoll	0 lbs	-580 lbs	0 lbs	-580 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	362S162-33(33)	Sheathing			
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
5-1-0	13-5-3

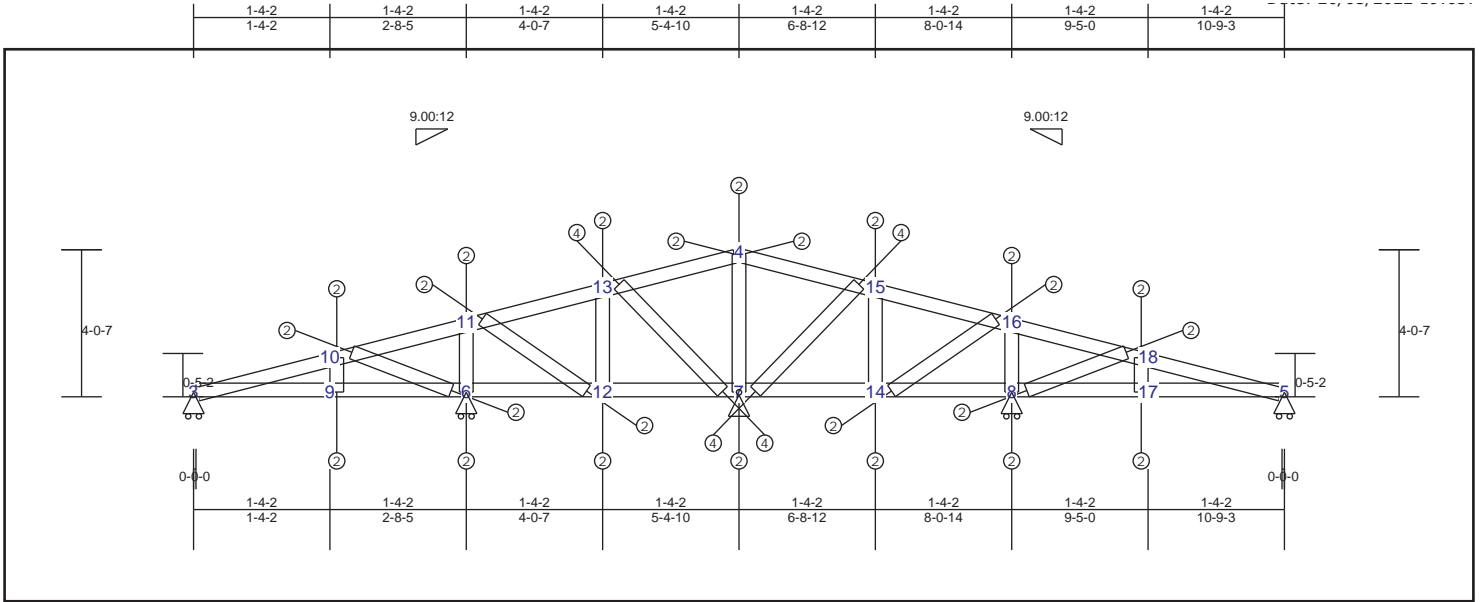
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.35	-116 lbs	-116 lbs	3-6	0.37	227 lbs	-50 lbs	6-7	0.02	-80 lbs	-80 lbs
7-9	0.44	-128 lbs	-128 lbs	6-8	0.24	545 lbs	-163 lbs	8-9	0.04	274 lbs	-187 lbs
9-11	0.20	91 lbs	-29 lbs	8-10	0.24	573 lbs	-167 lbs	10-11	0.01	-25 lbs	-25 lbs
4-11	0.26	203 lbs	-66 lbs	10-12	0.24	703 lbs	-231 lbs	4-12	0.05	-174 lbs	-174 lbs
4-14	0.26	203 lbs	-66 lbs	12-13	0.24	703 lbs	-231 lbs	13-14	0.01	-25 lbs	-25 lbs
14-16	0.20	91 lbs	-29 lbs	13-15	0.24	573 lbs	-167 lbs	15-16	0.04	274 lbs	-187 lbs
16-18	0.44	-128 lbs	-128 lbs	15-17	0.24	545 lbs	-163 lbs	17-18	0.02	-80 lbs	-80 lbs
5-18	0.35	-116 lbs	-116 lbs	5-17	0.37	227 lbs	-50 lbs	7-8	0.06	489 lbs	-196 lbs
								9-10	0.01	76 lbs	-25 lbs
								11-12	0.05	390 lbs	-192 lbs
								12-14	0.05	390 lbs	-192 lbs
								13-16	0.01	76 lbs	-25 lbs
								15-18	0.06	489 lbs	-196 lbs

TRUSS V03 (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 : 0.37 (4 - 15)	TL(V): 0 in.	L / 999	3	L / 90
BC : 0.38 (7 - 14)	LL(V): 0 in.	L / 999	3	L / 90
Web : 0.06 (7 - 15)	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.		5	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 90
	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC LiveRoof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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
3	HRoll		0 lbs	-110 lbs	0 lbs	-110 lbs	0 lbs
5	HRoll		0 lbs	-110 lbs	0 lbs	-110 lbs	0 lbs
6	HRoll		0 lbs	-600 lbs	0 lbs	-600 lbs	0 lbs
7	Pin		-40 lbs	-720 lbs	0 lbs	-720 lbs	-40 lbs
8	HRoll		0 lbs	-600 lbs	0 lbs	-600 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-33(33)	Sheathing			
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
4-1-0	10-9-3

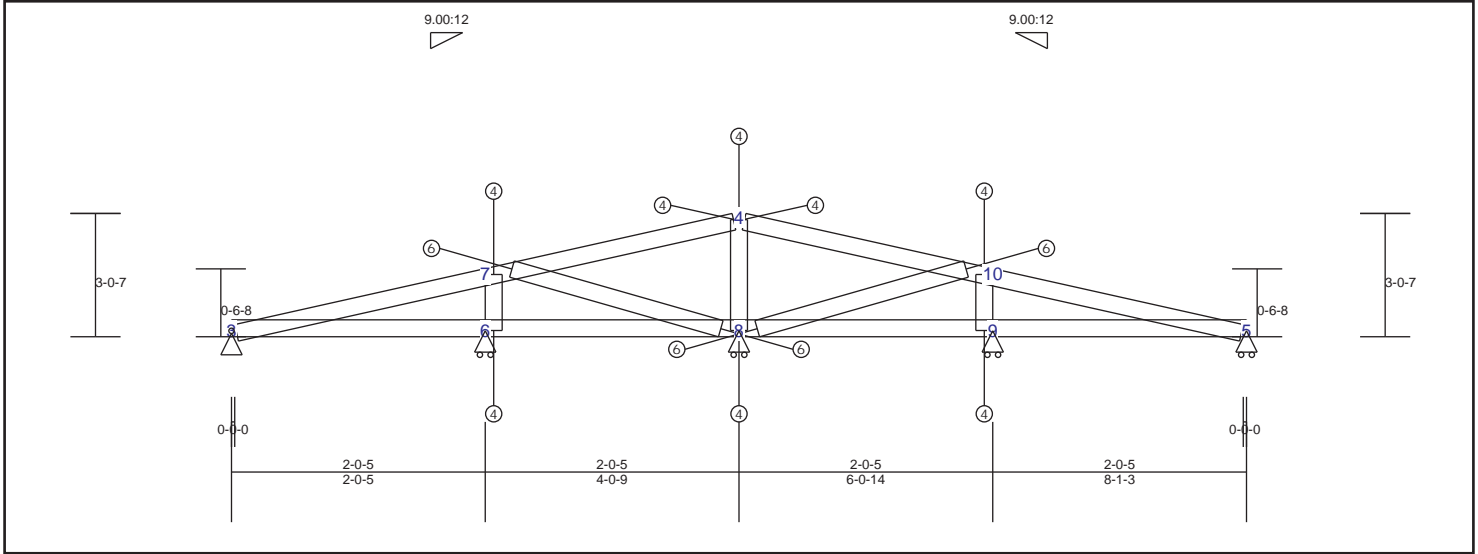
Material Design Pass

Member Forces Summary

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

Top Chord			Bot Chord			Web					
3-10	0.25	-115 lbs	-115 lbs	3-9	0.25	246 lbs	-44 lbs	9-10	0.01	-49 lbs	-49 lbs
10-11	0.29	-138 lbs	-138 lbs	6-9	0.16	450 lbs	-129 lbs	6-11	0.04	340 lbs	-146 lbs
11-13	0.36	118 lbs	-25 lbs	6-12	0.19	513 lbs	-133 lbs	12-13	0.01	-53 lbs	-53 lbs
4-13	0.37	249 lbs	-58 lbs	7-12	0.38	662 lbs	-180 lbs	4-7	0.05	-214 lbs	-214 lbs
4-15	0.37	250 lbs	-58 lbs	7-14	0.38	662 lbs	-180 lbs	14-15	0.01	-53 lbs	-53 lbs
15-16	0.36	118 lbs	-25 lbs	8-14	0.19	513 lbs	-133 lbs	8-16	0.04	340 lbs	-146 lbs
16-18	0.29	-138 lbs	-138 lbs	8-17	0.16	450 lbs	-129 lbs	17-18	0.01	-49 lbs	-49 lbs
5-18	0.25	-115 lbs	-115 lbs	5-17	0.25	246 lbs	-44 lbs	6-10	0.04	334 lbs	-154 lbs
								11-12	0.02	155 lbs	-21 lbs
								7-13	0.06	474 lbs	-150 lbs
								7-15	0.06	474 lbs	-150 lbs
								14-16	0.02	155 lbs	-21 lbs
								8-18	0.04	334 lbs	-154 lbs

TRUSS V04 (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 (7 - 4)	TL(V): 0 in.	L / 999	3	L / 90
BC : 0.38 (9 - 5)	LL(V): 0 in.	L / 999	3	L / 90
Web : 0.09 (7 - 8)	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.		5	
	Web :			
	Snow/Wind -0.02 in.	L / 999	(7-4)	L / 90
	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
3	Pin	20 lbs	-140 lbs	0 lbs	-140 lbs	-140 lbs	20 lbs
5	HRoll	0 lbs	-140 lbs	0 lbs	-140 lbs	-140 lbs	0 lbs
6	HRoll	0 lbs	-530 lbs	0 lbs	-530 lbs	-530 lbs	0 lbs
8	HRoll	0 lbs	-1400 lbs	0 lbs	-1400 lbs	-1400 lbs	0 lbs
9	HRoll	0 lbs	-530 lbs	0 lbs	-530 lbs	-530 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-33(33)	Sheathing	Section		
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

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

Material Design Pass

Member Forces Summary

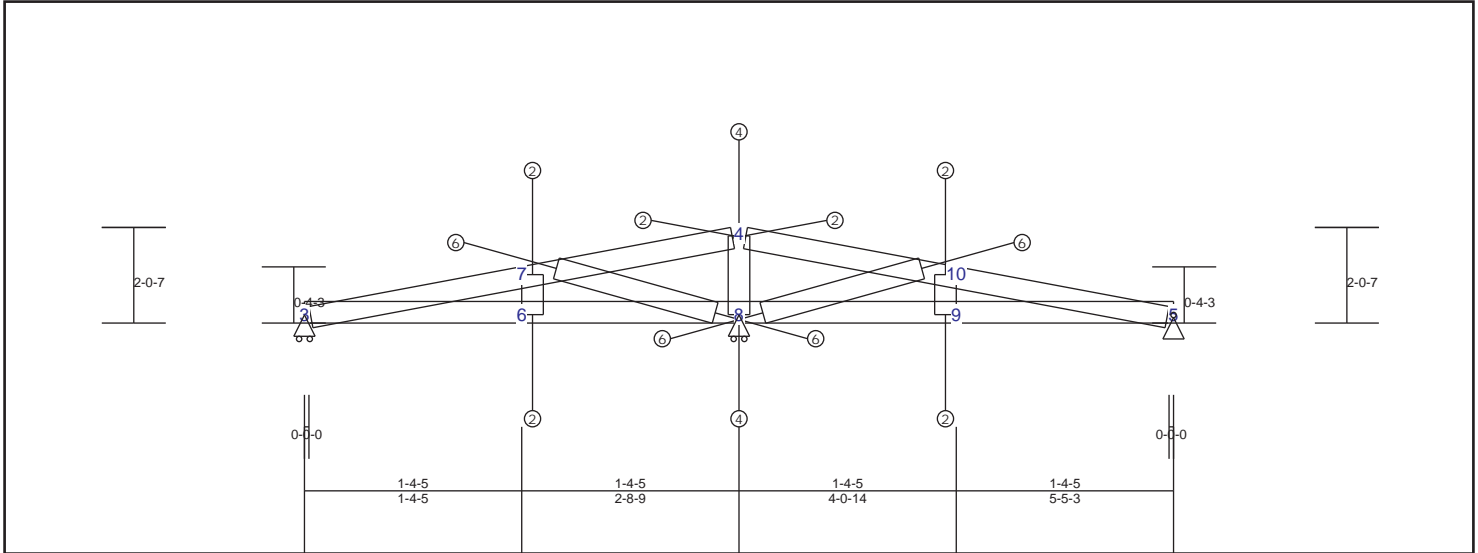
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord			Bot Chord			Web		
3-7	0.73	-154 lbs	3-6	0.38	268 lbs	6-7	0.06	493 lbs
4-7	0.83	205 lbs	6-8	0.36	790 lbs	4-8	0.06	492 lbs
4-10	0.83	205 lbs	8-9	0.36	790 lbs	9-10	0.06	493 lbs
5-10	0.73	-145 lbs	5-9	0.38	268 lbs	7-8	0.09	724 lbs
						8-10	0.09	724 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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC LiveRoof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used

TRUSS V05 (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 (7 - 4)	TL(V): 0 in.	L / 999 3	L / 90
BC : 0.55 (8 - 9)	LL(V): 0 in.	L / 999 3	L / 90
Web : 0.11 (7 - 8)	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 -0.01 in.	L / 999 (10-5)	L / 90
	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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
3	HRoll		0 lbs	-200 lbs	0 lbs	-200 lbs	0 lbs
5	Pin	10 lbs	10 lbs	-200 lbs	0 lbs	-200 lbs	10 lbs
8	HRoll		0 lbs	-1860 lbs	0 lbs	-1860 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-33(33)	Bracing	Section		
Bot Chd	362S162-33(33)	Sheathing			
Web	362S162-33(33)	Purlin (96 in.)			
		Unbraced			

Truss Dimensions

Max Height	Max Width
2-1-0	5-5-3

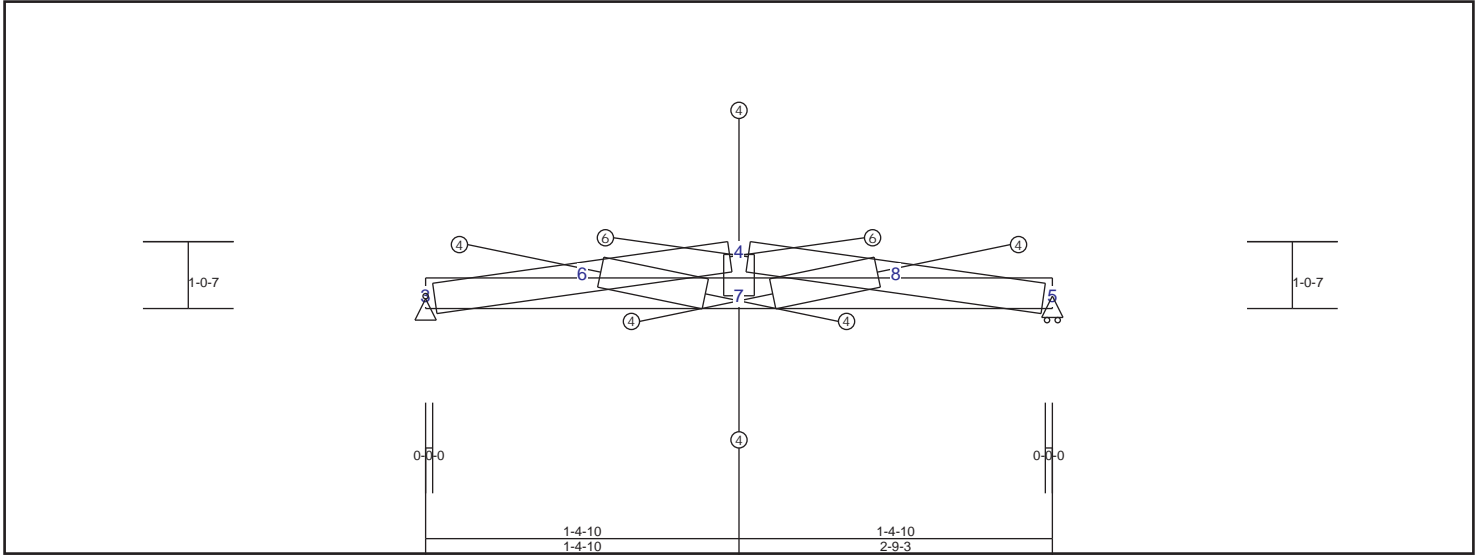
Material Design Pass

Member Forces Summary

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

Top Chord			Bot Chord			Web					
3-7	0.45	124 lbs	-110 lbs	3-6	0.46	341 lbs	-41 lbs	6-7	0.02	-93 lbs	-93 lbs
4-7	0.70	-234 lbs	-234 lbs	6-8	0.55	958 lbs	-152 lbs	4-8	0.07	576 lbs	-187 lbs
4-10	0.70	-234 lbs	-234 lbs	8-9	0.55	958 lbs	-152 lbs	9-10	0.02	-93 lbs	-93 lbs
5-10	0.45	124 lbs	-110 lbs	5-9	0.46	341 lbs	-41 lbs	7-8	0.11	926 lbs	-168 lbs
								8-10	0.11	926 lbs	-167 lbs

TRUSS V06 (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 (8 - 5)	TL(V): 0 in.	L / 999	3	L / 90
BC : 0.33 (7 - 5)	LL(V): 0 in.	L / 999	3	L / 90
Web : 0.13 (7 - 4)	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.		5	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 90
	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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
3	Pin		-30 lbs	-550 lbs	0 lbs	-550 lbs	-30 lbs
5	HRoll		0 lbs	-550 lbs	0 lbs	-550 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions
Top Chd	362S162-33(33)	Sheathing	
Bot Chd	362S162-33(33)	Purlin (96 in.)	
Web	362S162-33(33)	Unbraced	

Truss Dimensions

Max Height	Max Width
1-1-0	2-9-3

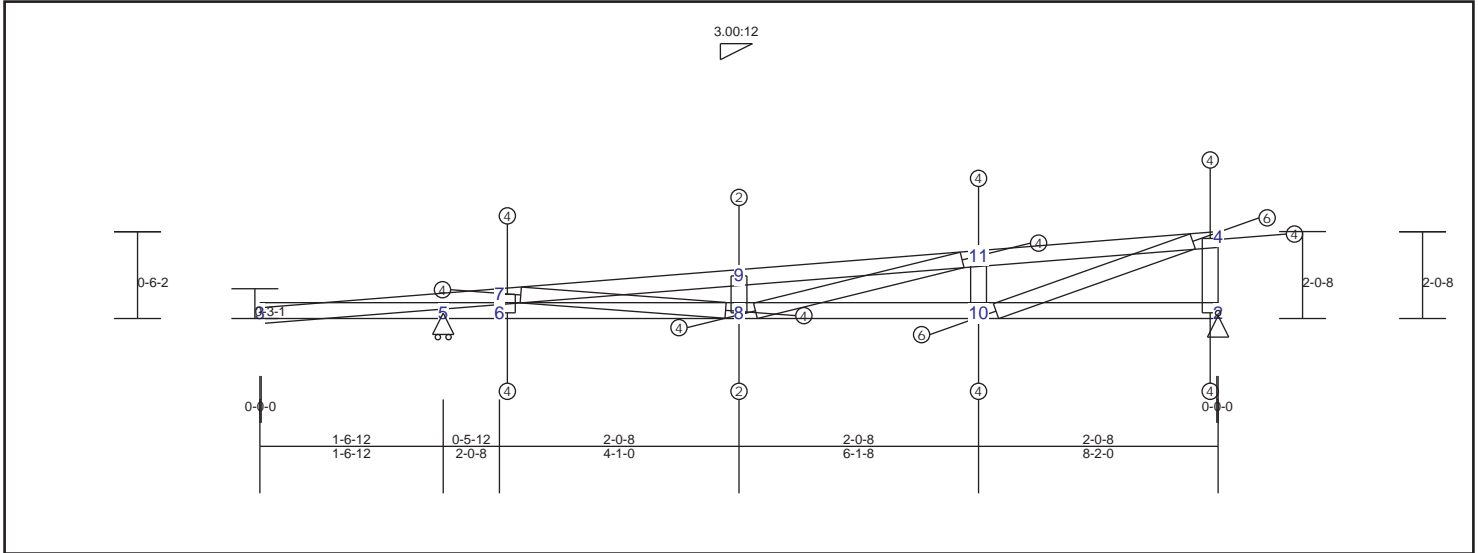
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.50	792 lbs	-216 lbs	3-7	0.33	-523 lbs	-523 lbs	4-7	0.13	-692 lbs	-692 lbs
4-6	0.18	792 lbs	-216 lbs	5-7	0.33	-523 lbs	-523 lbs	6-7	0.05	404 lbs	-76 lbs
4-8	0.18	792 lbs	-216 lbs					7-8	0.05	404 lbs	-76 lbs
5-8	0.50	792 lbs	-216 lbs								

TRUSS C01 (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 : 0.47 (11 - 4)	TL(V): 0 in.	L / 999 (3-7)	L / 90
BC : 0.89 (3 - 5)	LL(V): 0 in.	L / 999 (3-7)	L / 90
Web : 0.17 (10 - 4)	DL(V): 0 in.	L / 999 (3-7)	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 -0.02 in.	L / 999 (6-8)	L / 90
	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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	Pin		0 lbs	80 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-33(33)	Sheathing			
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
2-1-15	8-2-0

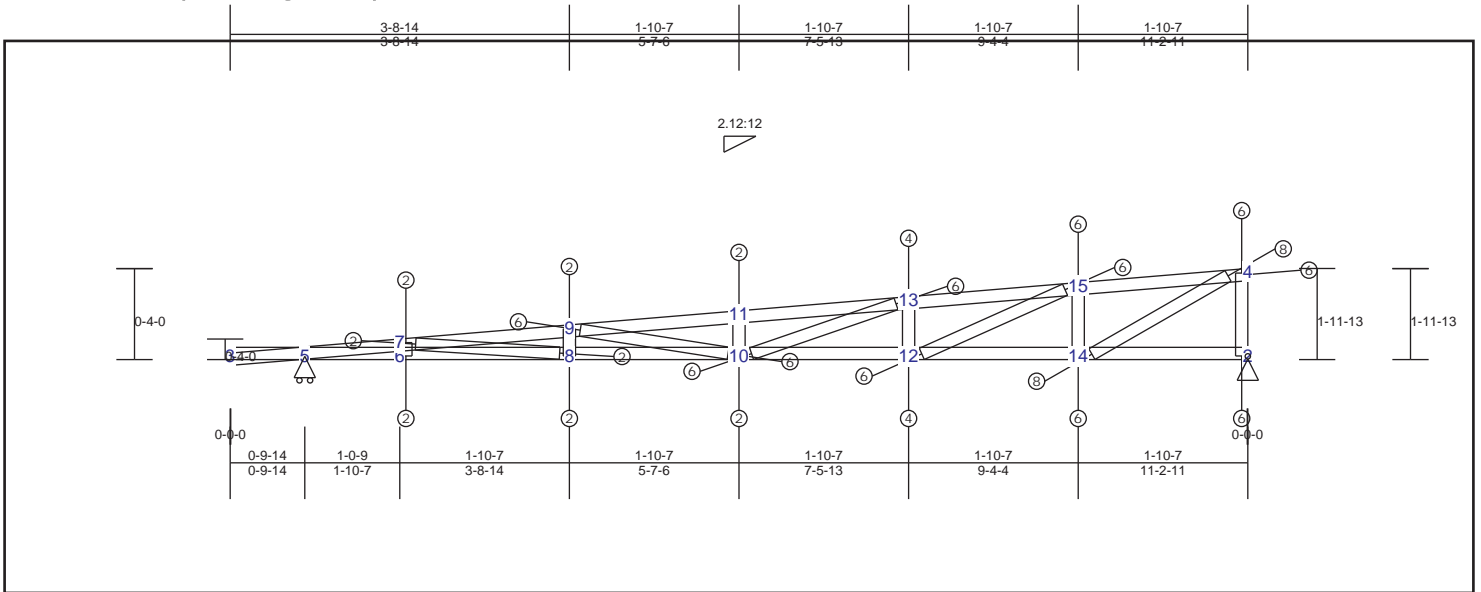
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.26	-279 lbs	-279 lbs	3-5	0.89	250 lbs	-204 lbs	6-7	0.07	536 lbs	-304 lbs
7-9	0.32	855 lbs	-636 lbs	5-6	0.89	250 lbs	-204 lbs	8-9	0.04	322 lbs	-199 lbs
9-11	0.35	855 lbs	-636 lbs	6-8	0.44	-621 lbs	-621 lbs	10-11	0.08	632 lbs	-390 lbs
4-11	0.47	532 lbs	-387 lbs	8-10	0.42	-621 lbs	-621 lbs	2-4	0.07	545 lbs	-350 lbs
				2-10	0.42	328 lbs	-209 lbs	7-8	0.09	-429 lbs	-429 lbs
								8-11	0.11	-520 lbs	-520 lbs
								4-10	0.17	-802 lbs	-802 lbs

TRUSS C02 (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 (7 - 9)	TL(V): 0.06 in.	L / 999	(8-10)	L / 90
BC : 0.77 (6 - 8)	LL(V): 0.04 in.	L / 999	(8-10)	L / 90
Web : 0.23 (14 - 4)	DL(V): 0.02 in.	L / 999	(8-10)	L / 0
	Cant / OH TL: 0 in.	2L / 11	4	2L / 90
	Cant / OH LL: 0 in.	2L / 11	4	2L / 90
	Horiz TL: -0.01 in.		4	
	Web :			
	Snow/Wind -0.09 in.	L / 999	(8-10)	L / 90
	Cant (Snow/Wind) 0 in.	L / 5	4	L / 90

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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC LiveRoof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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	Pin		270 lbs	-660 lbs	0 lbs	-660 lbs	270 lbs
3	HRoll		0 lbs	-720 lbs	0 lbs	-720 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-43(33)	Sheathing			
Bot Chd	362S162-43(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

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

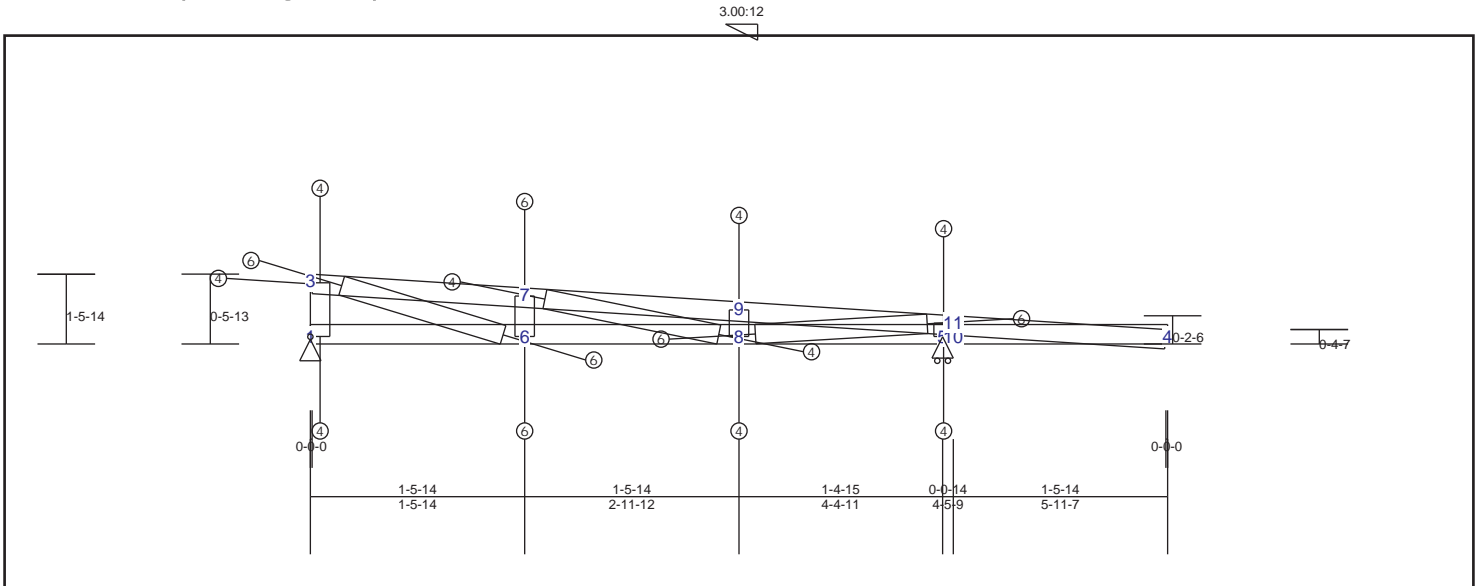
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.55	2937 lbs	-2179 lbs	3-6	0.70	-2856 lbs	-2856 lbs	6-7	0.02	153 lbs	-94 lbs
7-9	0.60	2963 lbs	-2253 lbs	6-8	0.77	-2856 lbs	-2856 lbs	8-9	0.02	-108 lbs	-108 lbs
9-11	0.36	2828 lbs	-2220 lbs	8-10	0.58	-2735 lbs	-2735 lbs	10-11	0.03	203 lbs	-175 lbs
11-13	0.32	2036 lbs	-1700 lbs	10-12	0.41	-1842 lbs	-1842 lbs	12-13	0.10	627 lbs	-504 lbs
13-15	0.44	1358 lbs	-1149 lbs	12-14	0.47	-1134 lbs	-1134 lbs	14-15	0.13	924 lbs	-690 lbs
4-15	0.51	724 lbs	-583 lbs	2-14	0.47	502 lbs	-443 lbs	2-4	0.11	772 lbs	-574 lbs
								7-8	0.02	154 lbs	-4 lbs
								9-10	0.12	940 lbs	-601 lbs
								10-13	0.18	-877 lbs	-877 lbs
								12-15	0.19	-955 lbs	-955 lbs
								4-14	0.23	-1131 lbs	-1131 lbs

TRUSS C03 (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 : 0.48 (7 - 9)	TL(V): 0 in.	L / 999	3	L / 90
BC : 0.49 (1 - 6)	LL(V): 0 in.	L / 999	3	L / 90
Web : 0.19 (3 - 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 -0.01 in.	L / 999	(7-9)	L / 90
	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC LiveRoof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor $K_{zt} = 1.00$, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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		-330 lbs	-510 lbs	0 lbs	-510 lbs	-330 lbs
10	HRoll		0 lbs	-700 lbs	0 lbs	-700 lbs	0 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-33(33)	Sheathing			
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-7-5	5-11-7

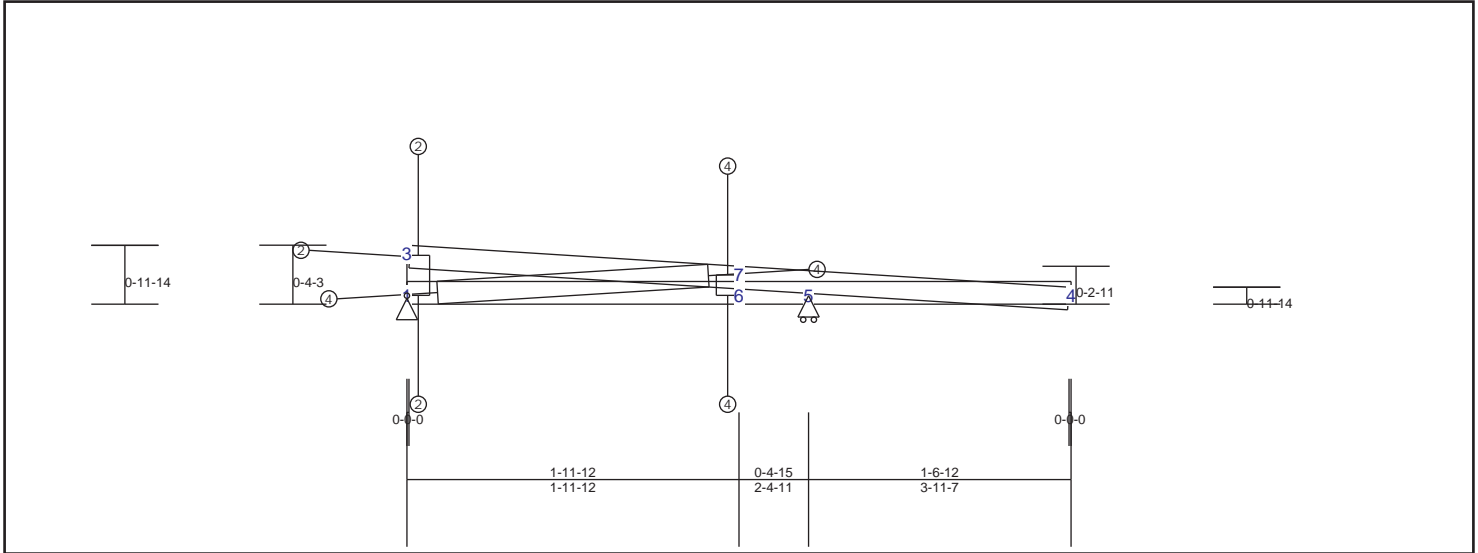
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.48	652 lbs	-240 lbs	1-6	0.49	332 lbs	-309 lbs	1-3	0.07	577 lbs	-229 lbs
7-9	0.48	876 lbs	-326 lbs	6-8	0.49	-659 lbs	-659 lbs	6-7	0.09	755 lbs	-241 lbs
9-11	0.40	876 lbs	-326 lbs	8-10	0.28	-659 lbs	-659 lbs	8-9	0.05	445 lbs	-131 lbs
4-11	0.28	-139 lbs	-139 lbs	4-10	0.06	153 lbs	-42 lbs	10-11	0.08	679 lbs	-309 lbs
								3-6	0.19	-974 lbs	-974 lbs
								7-8	0.09	-445 lbs	-445 lbs
								8-11	0.16	-833 lbs	-833 lbs

TRUSS C04 (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 - 7)	TL(V): 0 in.	L / 999 (3-7)	L / 90
BC : 0.98 (6 - 5)	LL(V): 0 in.	L / 999 (3-7)	L / 90
Web : 0.08 (6 - 7)	DL(V): 0 in.	L / 999 (3-7)	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 -0.02 in.	L / 999 (3-7)	L / 90
	Cant (Snow/Wind) -0.01 in.L / 999	(5-4)	L / 90

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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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	20 lbs	0 lbs	0 lbs	-10 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	362S162-33(33)	Sheathing	Section		
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-1-5	3-11-7

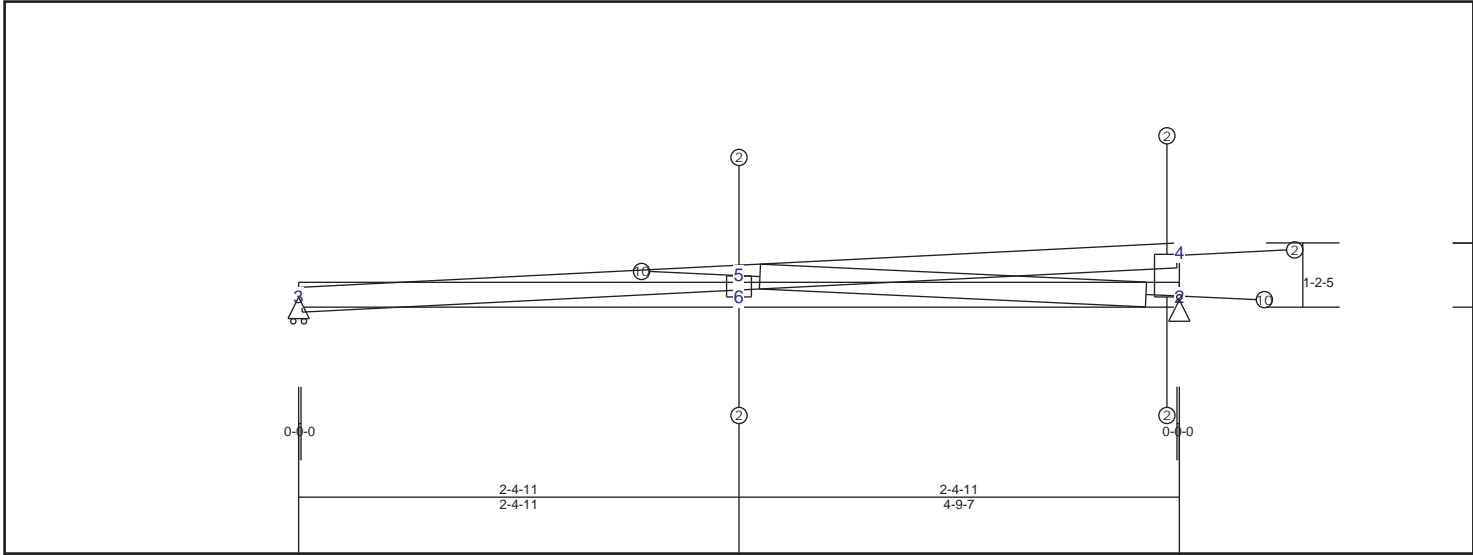
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.53	312 lbs	-89 lbs	1-6	0.52	359 lbs	-78 lbs	1-3	0.04	327 lbs	-73 lbs
4-7	0.31	152 lbs	-89 lbs	5-6	0.98	112 lbs	-78 lbs	6-7	0.08	662 lbs	-157 lbs
				4-5	0.98	112 lbs	-78 lbs	1-7	0.05	443 lbs	-53 lbs

TRUSS C05 (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 : 0.51 (5 - 4)	TL(V): 0 in.	L / 999 (3-5)	L / 90
BC : 0.45 (3 - 6)	LL(V): 0 in.	L / 999 (3-5)	L / 90
Web : 0.21 (5 - 2)	DL(V): 0 in.	L / 999 (3-5)	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 in.	4	
	Web :		
	Snow/Wind -0.03 in.	L / 999 (5-4)	L / 90
	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 = 4.00 psf; BC Live = 0.00 psf; BC Dead = 5.00 psf; TC Live/Roof = 18.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: C, Building Classification: II, Enclosure Classification: Enclosed, Mean Roof Height: 18.00 ft, Topographical factor Kzt = 1.00, Roof Type: Gable, Roof Pitch: 6.00:12, This truss is not in a hurricane region, C&C Wind Tributary Effective Area: 60.00 ft², This truss is not in the end zone of the roof, Left end web is not exposed to wind. Right end web is not exposed to wind.
- 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	Pin		270 lbs	-540 lbs	0 lbs	-540 lbs	270 lbs
3	HRoll		0 lbs	-470 lbs	0 lbs	-470 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	362S162-33(33)	Sheathing			
Bot Chd	362S162-33(33)	Purlin (96 in.)			
Web	362S162-33(33)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-3-12	4-9-7

Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-5	0.41	1463 lbs	-547 lbs	3-6	0.45	-1381 lbs	-1381 lbs	2-4	0.02	194 lbs	-91 lbs
4-5	0.51	1463 lbs	-510 lbs	2-6	0.45	-1381 lbs	-1381 lbs	5-6	0.00	38 lbs	-2 lbs
								2-5	0.21	1693 lbs	-553 lbs