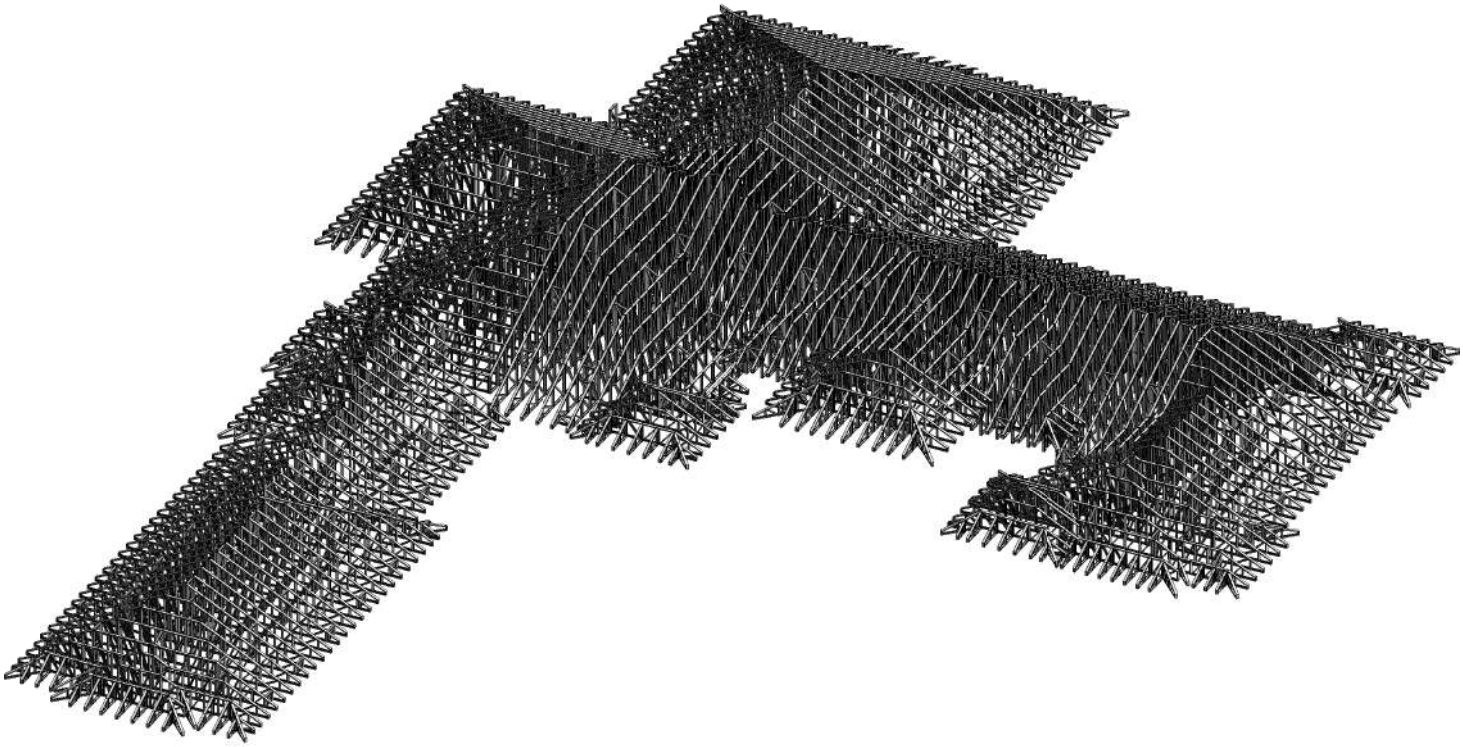
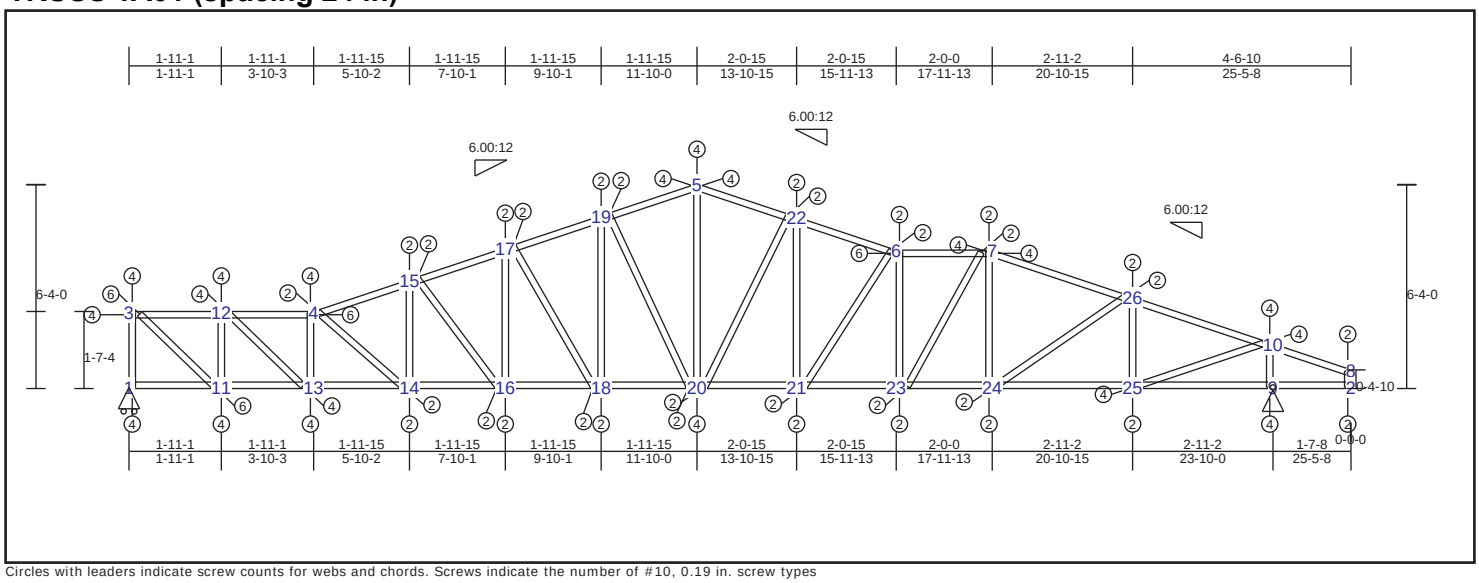


MAIN BUILDING ROOF PERSPECTIVE VIEW

TRUSS TA01 (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 :	0.84 (3 - 12)	TL(V): 0.07 in.	L / 773	(22-6)	L / 90
BC :	0.70 (1 - 11)	LL(V): 0.05 in.	L / 999	(22-6)	L / 90
Web :	0.19 (11 - 12)	DL(V): 0.02 in.	L / 999	(21-23)	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.		7	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(10-8)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 0	(10-8)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1150 lbs	0 lbs	-560 lbs	0 lbs
9	Pin		-250 lbs	1310 lbs	0 lbs	-680 lbs	-250 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-3-10	25-5-8

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

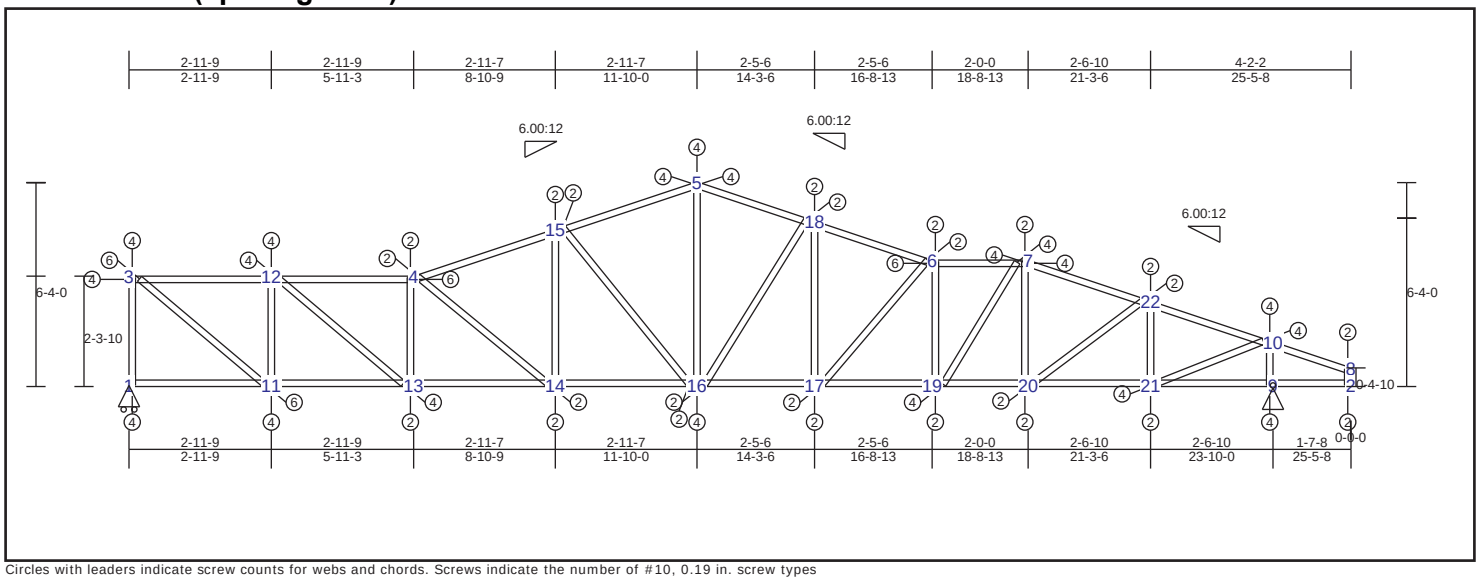
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
6-7	0.63	-1460 lbs	-1460 lbs	1-11	0.70	893 lbs	-429 lbs	1-3	0.17	-1181 lbs	-1181 lbs
3-12	0.84	-893 lbs	-893 lbs	11-13	0.70	1635 lbs	-767 lbs	11-12	0.19	-1368 lbs	-1368 lbs
4-12	0.67	-1635 lbs	-1635 lbs	13-14	0.22	1635 lbs	-767 lbs	4-13	0.13	-942 lbs	-942 lbs
4-15	0.34	-1819 lbs	-1819 lbs	14-16	0.24	1574 lbs	-713 lbs	14-15	0.01	155 lbs	-78 lbs
15-17	0.39	-1671 lbs	-1671 lbs	16-18	0.24	1424 lbs	-602 lbs	16-17	0.04	342 lbs	-215 lbs
17-19	0.38	-1498 lbs	-1498 lbs	18-20	0.38	1253 lbs	-528 lbs	18-19	0.07	455 lbs	-305 lbs
5-19	0.36	-1324 lbs	-1324 lbs	20-21	0.38	1267 lbs	-605 lbs	5-20	0.17	1057 lbs	-571 lbs
5-22	0.40	-1327 lbs	-1327 lbs	21-23	0.28	1427 lbs	-730 lbs	21-22	0.07	442 lbs	-301 lbs
6-22	0.33	-1506 lbs	-1506 lbs	23-24	0.31	1427 lbs	-730 lbs	6-23	0.11	-576 lbs	-576 lbs
7-26	0.49	-1418 lbs	-1418 lbs	24-25	0.24	1201 lbs	-661 lbs	7-24	0.02	-95 lbs	-95 lbs
10-26	0.62	-1375 lbs	-1375 lbs	9-25	0.25	1091 lbs	-661 lbs	25-26	0.07	-504 lbs	-504 lbs
8-10	0.36	64 lbs	0 lbs	2-9	0.22	0 lbs	0 lbs	9-10	0.17	-1297 lbs	-1297 lbs
								2-8	0.01	54 lbs	-1 lbs
								3-11	0.15	1573 lbs	-756 lbs
								12-13	0.12	1307 lbs	-595 lbs
								4-14	0.02	-99 lbs	-99 lbs
								15-16	0.06	-338 lbs	-338 lbs
								17-18	0.10	-477 lbs	-477 lbs
								19-20	0.14	-560 lbs	-560 lbs
								20-22	0.15	-580 lbs	-580 lbs
								6-21	0.08	-406 lbs	-406 lbs
								24-26	0.01	159 lbs	-72 lbs
								10-25	0.11	1187 lbs	-454 lbs
								7-23	0.06	655 lbs	-320 lbs

TRUSS TA02 (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 (3 - 12)	TL(V): 0.08 in.	L / 946	(4-15)	L / 90
BC :	0.62 (1 - 11)	LL(V): 0.06 in.	L / 999	(4-15)	L / 90
Web :	0.19 (11 - 12)	DL(V): 0.03 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: -0.01 in.		7	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(4-15)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 0	(10-8)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1150 lbs	0 lbs	-580 lbs	0 lbs
9	Pin		-300 lbs	1310 lbs	0 lbs	-650 lbs	-300 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-3-10	25-5-8

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

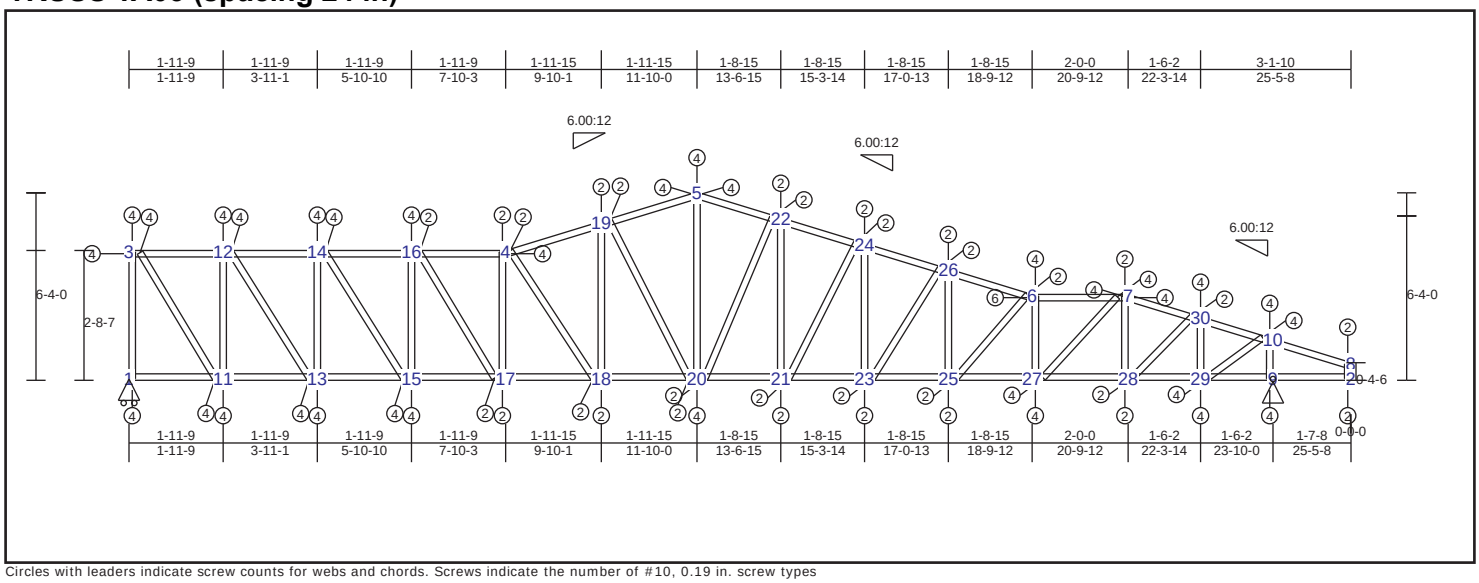
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
6-7	0.68	-1507 lbs	-1507 lbs	1-11	0.62	919 lbs	-459 lbs	1-3	0.19	-1157 lbs	-1157 lbs
3-12	0.82	-919 lbs	-919 lbs	11-13	0.62	1555 lbs	-750 lbs	11-12	0.19	-1174 lbs	-1174 lbs
4-12	0.71	-1555 lbs	-1555 lbs	13-14	0.25	1555 lbs	-750 lbs	4-13	0.11	-700 lbs	-700 lbs
5-18	0.46	-1326 lbs	-1326 lbs	14-16	0.37	1358 lbs	-622 lbs	14-15	0.03	298 lbs	-142 lbs
6-18	0.35	-1559 lbs	-1559 lbs	16-17	0.37	1318 lbs	-631 lbs	5-16	0.16	1002 lbs	-534 lbs
4-15	0.42	-1645 lbs	-1645 lbs	17-19	0.28	1499 lbs	-753 lbs	17-18	0.05	390 lbs	-216 lbs
5-15	0.54	-1355 lbs	-1355 lbs	19-20	0.37	1499 lbs	-753 lbs	6-19	0.11	-658 lbs	-658 lbs
7-22	0.43	-1395 lbs	-1395 lbs	20-21	0.28	1212 lbs	-651 lbs	7-20	0.03	-176 lbs	-176 lbs
10-22	0.61	-1335 lbs	-1335 lbs	9-21	0.28	1045 lbs	-639 lbs	21-22	0.08	-573 lbs	-573 lbs
8-10	0.35	63 lbs	0 lbs	2-9	0.22	0 lbs	0 lbs	9-10	0.17	-1295 lbs	-1295 lbs
								2-8	0.01	54 lbs	-2 lbs
								3-11	0.14	1481 lbs	-740 lbs
								12-13	0.10	1025 lbs	-469 lbs
								4-14	0.06	-312 lbs	-312 lbs
								15-16	0.14	-546 lbs	-546 lbs
								16-18	0.14	-572 lbs	-572 lbs
								6-17	0.07	-367 lbs	-367 lbs
								20-22	0.02	251 lbs	-125 lbs
								10-21	0.11	1159 lbs	-392 lbs
								7-19	0.07	765 lbs	-361 lbs

TRUSS TA03 (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 :	0.87 (3 - 12)	TL(V): 0.08 in.	L / 999	(17-18)	L / 90
BC :	0.71 (1 - 11)	LL(V): 0.05 in.	L / 999	(17-18)	L / 90
Web :	0.26 (11 - 12)	DL(V): 0.03 in.	L / 999	(17-18)	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.		7	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(17-18)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 958	(9-2)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1150 lbs	0 lbs	-590 lbs	0 lbs
9	Pin		-350 lbs	1310 lbs	0 lbs	-650 lbs	-350 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-3-10	25-5-8

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

Material Design Pass

Member Forces Summary

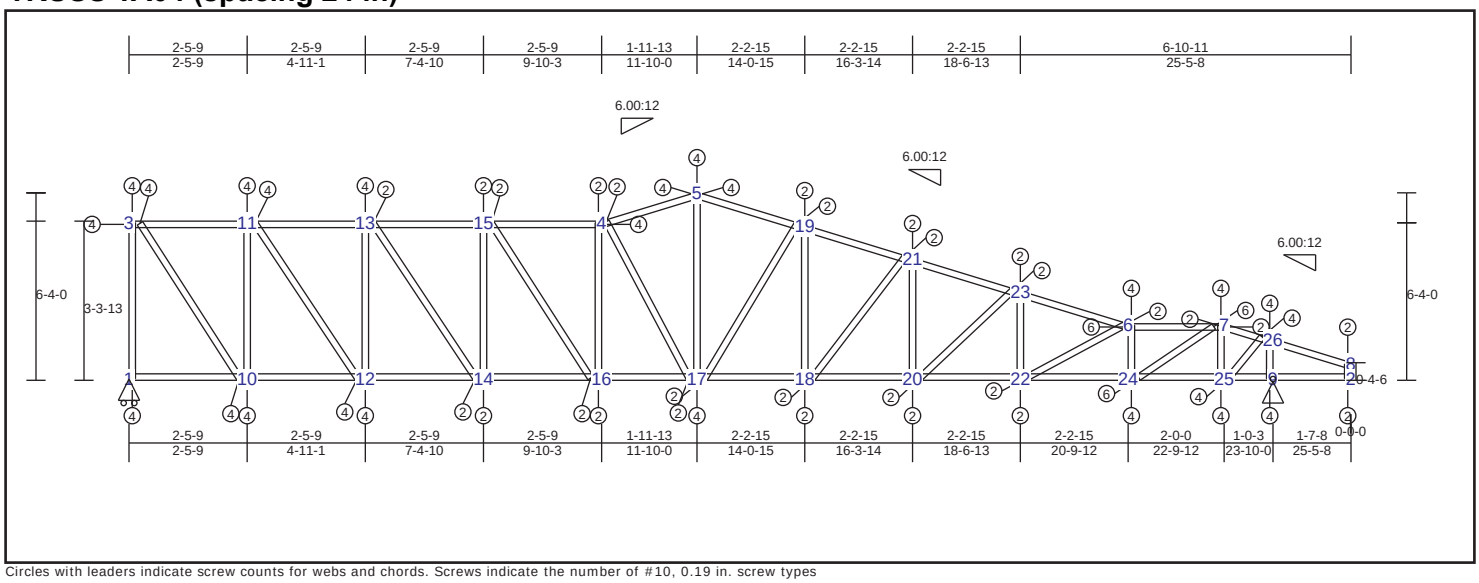
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
6-7	0.80	-1612 lbs	-1612 lbs	1-11	0.71	478 lbs	-243 lbs
7-30	0.35	-1205 lbs	-1205 lbs	11-13	0.71	888 lbs	-445 lbs
10-30	0.59	-1165 lbs	-1165 lbs	13-15	0.46	1205 lbs	-593 lbs
8-10	0.31	62 lbs	-2 lbs	15-17	0.39	1424 lbs	-684 lbs
5-22	0.34	-1311 lbs	-1311 lbs	17-18	0.25	1424 lbs	-684 lbs
22-24	0.37	-1469 lbs	-1469 lbs	18-20	0.39	1274 lbs	-590 lbs
24-26	0.38	-1621 lbs	-1621 lbs	20-21	0.39	1256 lbs	-625 lbs
6-26	0.32	-1760 lbs	-1760 lbs	21-23	0.24	1412 lbs	-734 lbs
4-19	0.32	-1476 lbs	-1476 lbs	23-25	0.28	1559 lbs	-834 lbs
5-19	0.38	-1314 lbs	-1314 lbs	25-27	0.28	1637 lbs	-894 lbs
3-12	0.87	-478 lbs	-478 lbs	27-28	0.48	1637 lbs	-894 lbs
12-14	0.67	-888 lbs	-888 lbs	28-29	0.45	1101 lbs	-679 lbs
14-16	0.47	-1205 lbs	-1205 lbs	9-29	0.45	796 lbs	-576 lbs
4-16	0.43	-1424 lbs	-1424 lbs	2-9	0.24	0 lbs	0 lbs

Web			
1-3	0.22	-1186 lbs	-1186 lbs
11-12	0.26	-1358 lbs	-1358 lbs
13-14	0.19	-991 lbs	-991 lbs
15-16	0.15	-804 lbs	-804 lbs
4-17	0.09	-499 lbs	-499 lbs
18-19	0.05	421 lbs	-232 lbs
5-20	0.16	1062 lbs	-552 lbs
21-22	0.08	507 lbs	-337 lbs
23-24	0.05	417 lbs	-257 lbs
25-26	0.02	264 lbs	-140 lbs
6-27	0.14	-929 lbs	-929 lbs
7-28	0.07	-454 lbs	-454 lbs
29-30	0.13	-914 lbs	-914 lbs
9-10	0.17	-1309 lbs	-1309 lbs
2-8	0.01	57 lbs	-4 lbs
3-11	0.14	1386 lbs	-704 lbs
12-13	0.11	1146 lbs	-564 lbs
14-15	0.08	886 lbs	-414 lbs
16-17	0.06	637 lbs	-323 lbs
4-18	0.08	-403 lbs	-403 lbs
19-20	0.14	-553 lbs	-553 lbs
23-26	0.07	-416 lbs	-416 lbs
6-25	0.03	-167 lbs	-167 lbs
28-30	0.06	594 lbs	-261 lbs
10-29	0.11	1139 lbs	-358 lbs

Web			
7-27	0.10	1094 lbs	-459 lbs
21-24	0.11	-530 lbs	-530 lbs
20-22	0.15	-582 lbs	-582 lbs

TRUSS TA04 (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 (3 - 11)	TL(V): 0.08 in.	L / 999	(15-4)	L / 90
BC :	0.66 (1 - 10)	LL(V): 0.05 in.	L / 999	(15-4)	L / 90
Web :	0.29 (10 - 11)	DL(V): 0.03 in.	L / 999	(19-21)	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.		21	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(19-21)	L / 90
		Cant (Snow/Wind) -0.03 in.	L / 999	(9-2)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1150 lbs	0 lbs	-600 lbs	0 lbs
9	Pin		-390 lbs	1300 lbs	0 lbs	-660 lbs	-390 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-3-10	25-5-8

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

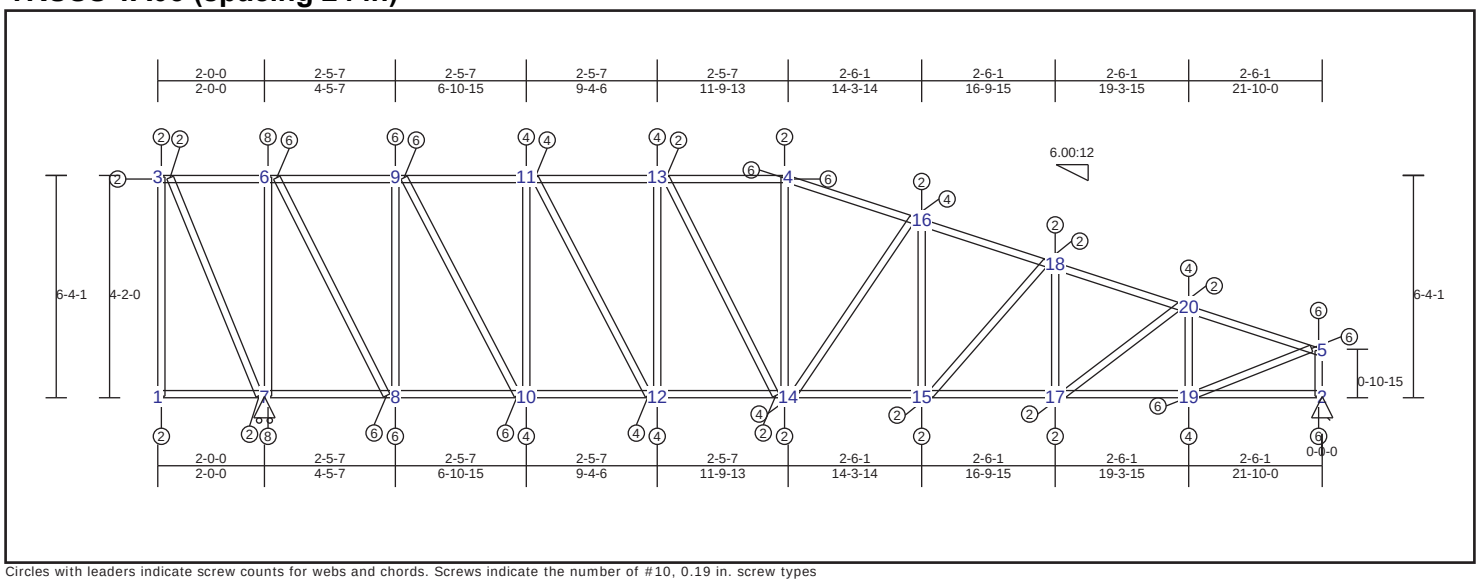
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
5-19	0.39	-1308 lbs	-1308 lbs	1-10	0.66	482 lbs	-247 lbs	10-11	0.29	-1254 lbs	-1254 lbs
19-21	0.40	-1505 lbs	-1505 lbs	10-12	0.66	862 lbs	-433 lbs	12-13	0.20	-863 lbs	-863 lbs
21-23	0.42	-1739 lbs	-1739 lbs	12-14	0.41	1129 lbs	-554 lbs	14-15	0.14	-615 lbs	-615 lbs
6-23	0.38	-1860 lbs	-1860 lbs	14-16	0.30	1272 lbs	-606 lbs	4-16	0.07	-312 lbs	-312 lbs
6-7	0.84	-1635 lbs	-1635 lbs	16-17	0.40	1272 lbs	-606 lbs	5-17	0.15	1015 lbs	-511 lbs
7-26	0.60	-553 lbs	-553 lbs	17-18	0.40	1313 lbs	-713 lbs	18-19	0.07	429 lbs	-294 lbs
8-26	0.29	62 lbs	-2 lbs	18-20	0.23	1508 lbs	-859 lbs	20-21	0.04	304 lbs	-199 lbs
4-5	0.30	-1301 lbs	-1301 lbs	20-22	0.24	1681 lbs	-996 lbs	22-23	0.01	102 lbs	-56 lbs
3-11	0.86	-482 lbs	-482 lbs	22-24	0.24	1695 lbs	-1047 lbs	6-24	0.15	-1122 lbs	-1122 lbs
11-13	0.67	-862 lbs	-862 lbs	24-25	0.58	1695 lbs	-1047 lbs	7-25	0.14	-1054 lbs	-1054 lbs
13-15	0.44	-1129 lbs	-1129 lbs	9-25	0.50	598 lbs	-561 lbs	2-8	0.01	59 lbs	-5 lbs
4-15	0.43	-1272 lbs	-1272 lbs	2-9	0.26	0 lbs	0 lbs	9-26	0.18	-1343 lbs	-1343 lbs
								1-3	0.27	-1173 lbs	-1173 lbs
								3-10	0.17	1318 lbs	-674 lbs
								11-12	0.13	1011 lbs	-496 lbs
								13-14	0.09	710 lbs	-365 lbs
								15-16	0.07	391 lbs	-263 lbs
								17-19	0.14	-561 lbs	-561 lbs
								18-21	0.09	-459 lbs	-459 lbs
								20-23	0.05	-318 lbs	-318 lbs
								6-22	0.01	68 lbs	-32 lbs
								4-17	0.12	-492 lbs	-492 lbs
								7-24	0.15	1635 lbs	-726 lbs
								25-26	0.11	1153 lbs	-377 lbs

TRUSS TA05 (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 :	0.80 (20 - 5)	TL(V): 0.05 in.	L / 999	(13-4)	L / 90
BC :	0.66 (7 - 8)	LL(V): 0.04 in.	L / 999	(13-4)	L / 90
Web :	0.48 (7 - 6)	DL(V): 0.02 in.	L / 999	(14-15)	L / 0
		Cant / OH TL: 0 in.	2L / 999	(1-7)	2L / 90
		Cant / OH LL: 0 in.	2L / 999	(1-7)	2L / 90
		Horiz TL: -0.01 in.		16	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(14-15)	L / 90
		Cant (Snow/Wind) 0 in.	L / 999	3	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	Fixed		-360 lbs	930 lbs	0 lbs	-400 lbs	-360 lbs
7	HRoll		0 lbs	1170 lbs	0 lbs	-690 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-4-1	21-10-0

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

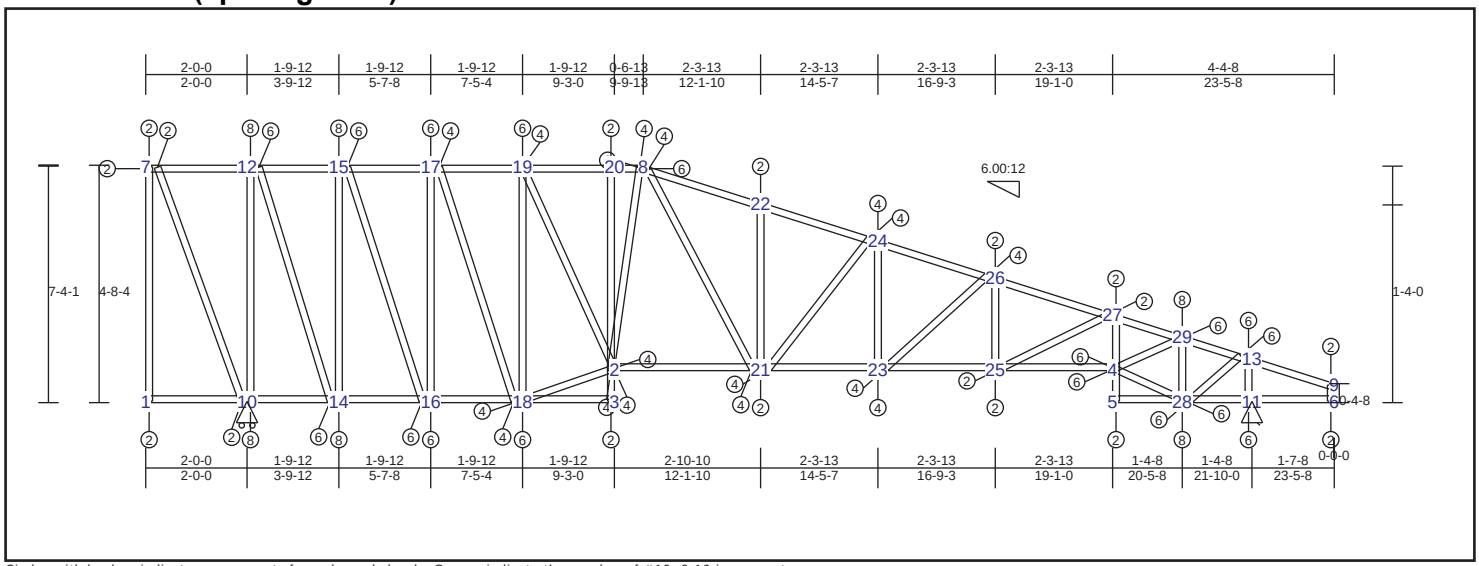
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
4-16	0.45	-892 lbs	-892 lbs	1-7	0.07	29 lbs	-11 lbs	6-7	0.48	-1125 lbs	-1125 lbs
16-18	0.37	-1046 lbs	-1046 lbs	7-8	0.66	302 lbs	-205 lbs	8-9	0.41	-973 lbs	-973 lbs
18-20	0.56	-1094 lbs	-1094 lbs	8-10	0.66	554 lbs	-380 lbs	10-11	0.29	-676 lbs	-676 lbs
5-20	0.80	-1062 lbs	-1062 lbs	10-12	0.41	709 lbs	-482 lbs	12-13	0.18	-427 lbs	-427 lbs
3-6	0.38	-29 lbs	-29 lbs	12-14	0.32	764 lbs	-543 lbs	4-14	0.06	226 lbs	-148 lbs
6-9	0.73	-302 lbs	-302 lbs	14-15	0.33	918 lbs	-708 lbs	15-16	0.07	-219 lbs	-219 lbs
9-11	0.64	-554 lbs	-554 lbs	15-17	0.23	997 lbs	-821 lbs	17-18	0.02	-64 lbs	-64 lbs
11-13	0.46	-709 lbs	-709 lbs	17-19	0.35	997 lbs	-821 lbs	19-20	0.11	-505 lbs	-505 lbs
4-13	0.44	-764 lbs	-764 lbs	2-19	0.35	895 lbs	-819 lbs	2-5	0.17	-909 lbs	-909 lbs
								1-3	0.00	11 lbs	-6 lbs
								6-8	0.33	1005 lbs	-708 lbs
								9-10	0.25	785 lbs	-545 lbs
								11-12	0.18	481 lbs	-393 lbs
								13-14	0.12	-249 lbs	-249 lbs
								14-16	0.14	410 lbs	-383 lbs
								15-18	0.04	229 lbs	-159 lbs
								17-20	0.02	157 lbs	-57 lbs
								5-19	0.12	948 lbs	-538 lbs
								3-7	0.02	113 lbs	-44 lbs

TRUSS TA06 (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 :	0.71 (12 - 15)	TL(V): 0.08 in.	L / 999	(8-22)	L / 90
BC :	0.72 (10 - 14)	LL(V): 0.05 in.	L / 999	(8-22)	L / 90
Web :	0.61 (10 - 12)	DL(V): 0.03 in.	L / 999	(21-23)	L / 0
		Cant / OH TL: 0.05 in.	2L / 999	(8-22)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 999	(8-22)	2L / 90
		Horiz TL: -0.02 in.		24	
		Web :			
		Snow/Wind -0.07 in.	L / 999	(8-22)	L / 90
		Cant (Snow/Wind) -0.07 in.	L / 999	(8-22)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	HRoll		0 lbs	1170 lbs	0 lbs	-720 lbs	0 lbs
11	Fixed		-510 lbs	1100 lbs	0 lbs	-530 lbs	-510 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-4-13	23-5-8

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

Material Design Pass

Member Forces Summary

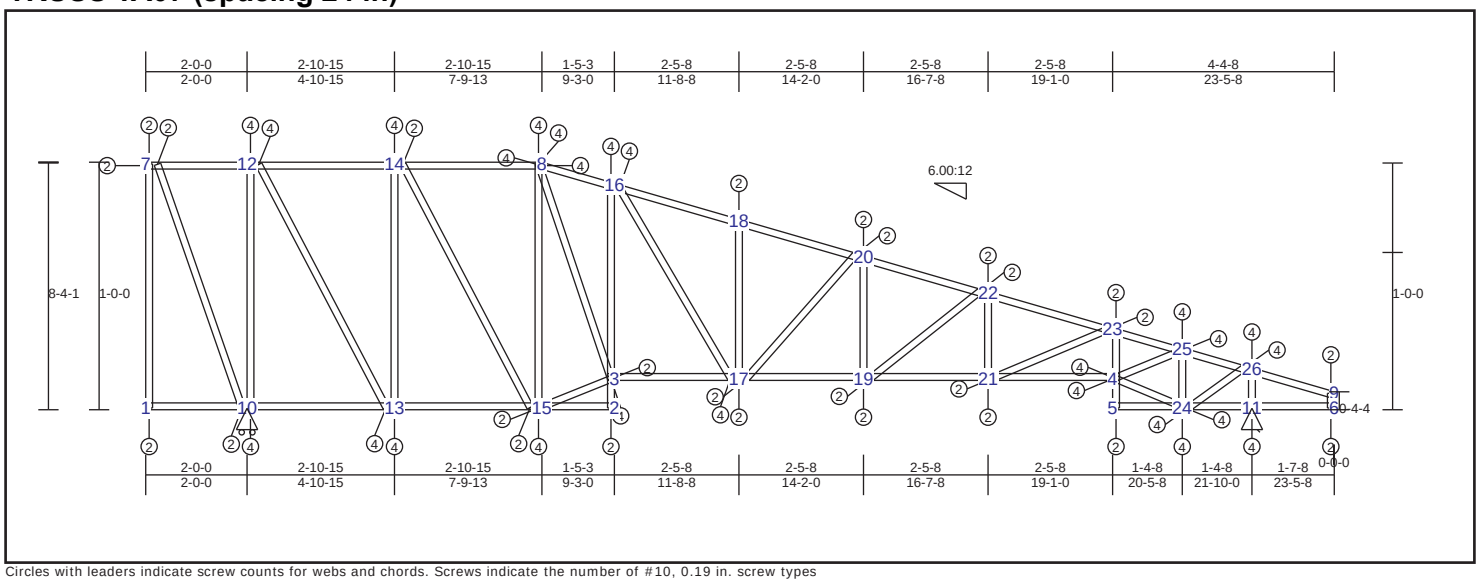
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
8-22	0.57	-1096 lbs	-1096 lbs	5-28	0.51	-703 lbs	-703 lbs
22-24	0.42	-1096 lbs	-1096 lbs	11-28	0.50	-703 lbs	-703 lbs
24-26	0.51	-1324 lbs	-1324 lbs	6-11	0.38	0 lbs	0 lbs
26-27	0.42	-1485 lbs	-1485 lbs	2-21	0.48	939 lbs	-757 lbs
27-29	0.36	-1485 lbs	-1485 lbs	21-23	0.60	1142 lbs	-970 lbs
13-29	0.69	-1467 lbs	-1467 lbs	23-25	0.35	1325 lbs	-1192 lbs
9-13	0.45	67 lbs	-2 lbs	4-25	0.36	-1403 lbs	-1403 lbs
7-12	0.34	-23 lbs	-23 lbs	1-10	0.08	23 lbs	-9 lbs
12-15	0.71	-187 lbs	-187 lbs	10-14	0.72	187 lbs	-121 lbs
15-17	0.64	-373 lbs	-373 lbs	14-16	0.72	373 lbs	-248 lbs
17-19	0.55	-689 lbs	-689 lbs	16-18	0.52	503 lbs	-349 lbs
19-20	0.21	-690 lbs	-690 lbs	3-18	0.35	503 lbs	-349 lbs
8-20	0.20	-716 lbs	-716 lbs				

Web			
10-12	0.61	-1124 lbs	-1124 lbs
14-15	0.58	-1071 lbs	-1071 lbs
16-17	0.47	-858 lbs	-858 lbs
18-19	0.45	-819 lbs	-819 lbs
2-3	0.31	286 lbs	-188 lbs
2-20	0.39	286 lbs	-188 lbs
21-22	0.08	-248 lbs	-248 lbs
23-24	0.09	-370 lbs	-370 lbs
25-26	0.04	-182 lbs	-182 lbs
4-5	0.40	-548 lbs	-548 lbs
4-27	0.45	-548 lbs	-548 lbs
28-29	0.22	-1111 lbs	-1111 lbs
11-13	0.19	-1013 lbs	-1013 lbs
6-9	0.01	68 lbs	-5 lbs
1-7	0.00	10 lbs	-2 lbs
2-19	0.26	670 lbs	-574 lbs
2-18	0.07	537 lbs	-357 lbs
4-29	0.16	1005 lbs	-826 lbs
4-28	0.17	-876 lbs	-876 lbs
2-8	0.12	359 lbs	-290 lbs
12-14	0.40	1028 lbs	-707 lbs
15-16	0.39	936 lbs	-687 lbs
17-18	0.30	653 lbs	-527 lbs
8-21	0.31	707 lbs	-686 lbs
21-24	0.13	482 lbs	-461 lbs

Web			
23-26	0.08	388 lbs	-320 lbs
25-27	0.03	268 lbs	-139 lbs
13-28	0.09	744 lbs	-329 lbs
7-10	0.02	104 lbs	-41 lbs

TRUSS TA07 (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 (12 - 14)	TL(V): 0.07 in.	L / 999	(17-19)	L / 90
BC :	0.49 (10 - 13)	LL(V): 0.05 in.	L / 999	(17-19)	L / 90
Web :	0.44 (13-14)	DL(V): 0.02 in.	L / 999	(17-19)	L / 0
		Cant / OH TL: 0.03 in.	2L / 0	(8-16)	2L / 90
		Cant / OH LL: 0.03 in.	2L / 0	(8-16)	2L / 90
		Horiz TL: -0.02 in.		20	
		Web :			
		Snow/Wind -0.07 in.	L / 999	(16-18)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 0	(8-16)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	HRoll		0 lbs	1180 lbs	0 lbs	-780 lbs	0 lbs
11	Fixed		-560 lbs	1080 lbs	0 lbs	-480 lbs	-560 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-4-11	23-5-8

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

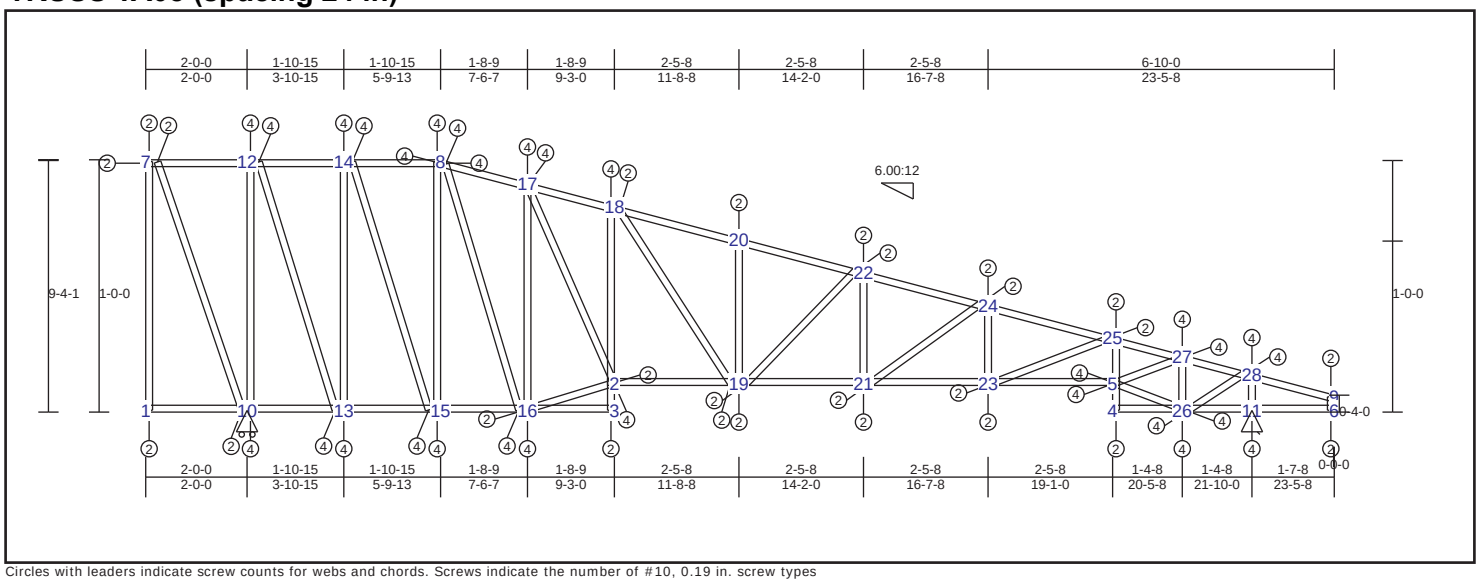
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
8-16	0.40	-801 lbs	-801 lbs	3-17	0.41	918 lbs	-790 lbs	10-12	0.53	-1136 lbs	-1136 lbs
16-18	0.33	-1049 lbs	-1049 lbs	17-19	0.44	1144 lbs	-1023 lbs	13-14	0.44	-934 lbs	-934 lbs
18-20	0.34	-1049 lbs	-1049 lbs	19-21	0.27	1355 lbs	-1272 lbs	8-15	0.41	-879 lbs	-879 lbs
20-22	0.40	-1325 lbs	-1325 lbs	4-21	0.27	-1534 lbs	-1534 lbs	2-3	0.30	-759 lbs	-759 lbs
22-23	0.31	-1530 lbs	-1530 lbs	5-24	0.37	-796 lbs	-796 lbs	3-16	0.30	-804 lbs	-804 lbs
23-25	0.28	-1533 lbs	-1533 lbs	11-24	0.34	-796 lbs	-796 lbs	17-18	0.05	-228 lbs	-228 lbs
25-26	0.44	-1533 lbs	-1533 lbs	6-11	0.33	-562 lbs	-562 lbs	19-20	0.07	-386 lbs	-386 lbs
9-26	0.53	-410 lbs	-410 lbs	1-10	0.06	21 lbs	-8 lbs	21-22	0.03	-207 lbs	-207 lbs
7-12	0.32	-21 lbs	-21 lbs	10-13	0.49	276 lbs	-193 lbs	4-5	0.35	-621 lbs	-621 lbs
12-14	0.60	-276 lbs	-276 lbs	13-15	0.49	470 lbs	-370 lbs	4-23	0.38	-621 lbs	-621 lbs
8-14	0.55	-470 lbs	-470 lbs	2-15	0.15	470 lbs	-370 lbs	24-25	0.16	-1138 lbs	-1138 lbs
								11-26	0.13	-1030 lbs	-1030 lbs
								6-9	0.00	19 lbs	-4 lbs
								1-7	0.00	13 lbs	-8 lbs
								3-8	0.40	1110 lbs	-1005 lbs
								3-15	0.06	557 lbs	-427 lbs
								4-24	0.13	-1001 lbs	-1001 lbs
								4-25	0.12	1014 lbs	-869 lbs
								12-13	0.37	978 lbs	-736 lbs
								14-15	0.30	668 lbs	-608 lbs
								16-17	0.25	745 lbs	-721 lbs
								17-20	0.10	513 lbs	-498 lbs
								19-22	0.06	422 lbs	-357 lbs
								21-23	0.03	323 lbs	-189 lbs
								24-26	0.07	777 lbs	-374 lbs
								7-10	0.02	106 lbs	-41 lbs

TRUSS TA08 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.56 (12 - 14)	TL(V): 0.08 in.	L / 999	(18-20)	L / 90
BC :	0.56 (10 - 13)	LL(V): 0.06 in.	L / 999	(18-20)	L / 90
Web :	0.64 (10 - 12)	DL(V): 0.03 in.	L / 999	(19-21)	L / 0
		Cant / OH TL: 0.06 in.	2L / 999	(18-20)	2L / 90
		Cant / OH LL: 0.06 in.	2L / 999	(18-20)	2L / 90
		Horiz TL: -0.03 in.		20	
		Web :			
		Snow/Wind -0.09 in.	L / 999	(18-20)	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 999	(18-20)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	HRoll		0 lbs	1190 lbs	0 lbs	-850 lbs	0 lbs
11	Fixed		-630 lbs	1080 lbs	0 lbs	-460 lbs	-630 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
9-4-11	23-5-8

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

Material Design Pass

Member Forces Summary

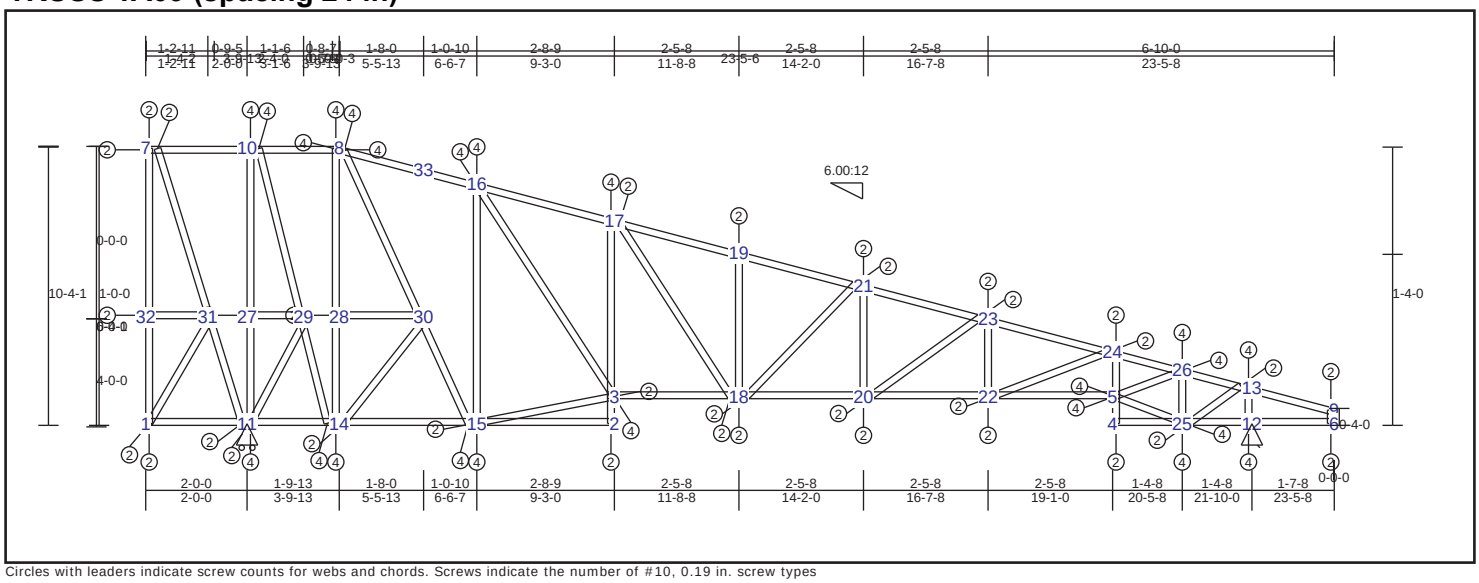
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
8-17	0.48	-551 lbs	-551 lbs	4-26	0.38	-846 lbs	-846 lbs
17-18	0.39	-787 lbs	-787 lbs	11-26	0.39	-846 lbs	-846 lbs
18-20	0.33	-1035 lbs	-1035 lbs	6-11	0.39	-634 lbs	-634 lbs
20-22	0.34	-1035 lbs	-1035 lbs	2-19	0.53	923 lbs	-837 lbs
22-24	0.40	-1313 lbs	-1313 lbs	19-21	0.46	1150 lbs	-1075 lbs
24-25	0.30	-1520 lbs	-1520 lbs	21-23	0.28	1362 lbs	-1331 lbs
25-27	0.27	-1523 lbs	-1523 lbs	5-23	0.29	-1609 lbs	-1609 lbs
27-28	0.44	-1523 lbs	-1523 lbs	1-10	0.06	17 lbs	-7 lbs
9-28	0.53	-402 lbs	-402 lbs	10-13	0.56	160 lbs	-118 lbs
7-12	0.29	-17 lbs	-17 lbs	13-15	0.56	304 lbs	-248 lbs
12-14	0.56	-160 lbs	-160 lbs	15-16	0.45	450 lbs	-385 lbs
8-14	0.53	-304 lbs	-304 lbs	3-16	0.43	450 lbs	-385 lbs

Web			
10-12	0.64	-1146 lbs	-1146 lbs
13-14	0.61	-1089 lbs	-1089 lbs
8-15	0.47	-837 lbs	-837 lbs
16-17	0.52	-1083 lbs	-1083 lbs
2-3	0.26	274 lbs	-226 lbs
2-18	0.39	-783 lbs	-783 lbs
19-20	0.05	-229 lbs	-229 lbs
21-22	0.07	-398 lbs	-398 lbs
23-24	0.03	-220 lbs	-220 lbs
4-5	0.37	-658 lbs	-658 lbs
5-25	0.41	-658 lbs	-658 lbs
26-27	0.16	-1137 lbs	-1137 lbs
11-28	0.13	-1013 lbs	-1013 lbs
6-9	0.00	18 lbs	-4 lbs
1-7	0.00	10 lbs	-2 lbs
5-26	0.14	-1063 lbs	-1063 lbs
2-16	0.05	454 lbs	-378 lbs
2-17	0.40	1051 lbs	-978 lbs
5-27	0.12	1019 lbs	-900 lbs
12-13	0.48	1046 lbs	-845 lbs
14-15	0.46	894 lbs	-810 lbs
8-16	0.50	936 lbs	-882 lbs
18-19	0.25	733 lbs	-718 lbs
19-22	0.10	523 lbs	-501 lbs
21-24	0.06	434 lbs	-358 lbs

Web			
23-25	0.03	344 lbs	-198 lbs
26-28	0.07	755 lbs	-338 lbs
7-10	0.02	99 lbs	-42 lbs

TRUSS TA09 (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 :	0.57 (10 - 8)	TL(V): 0.08 in.	L / 999	(17-19)	L / 90
BC :	0.54 (11 - 14)	LL(V): 0.05 in.	L / 999	(17-19)	L / 90
Web :	0.55 (15 - 16)	DL(V): 0.03 in.	L / 999	(18-20)	L / 0
		Cant / OH TL: 0.05 in.	2L / 999	(17-19)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 999	(17-19)	2L / 90
		Horiz TL: -0.02 in.		21	
		Web :			
		Snow/Wind -0.08 in.	L / 999	(18-20)	L / 90
		Cant (Snow/Wind) -0.08 in.	L / 999	(18-20)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
11	HRoll		0 lbs	1190 lbs	0 lbs	-840 lbs	0 lbs
12	Fixed		-730 lbs	1070 lbs	0 lbs	-490 lbs	-730 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
10-4-12	23-5-8

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

Material Design Pass

Member Forces Summary

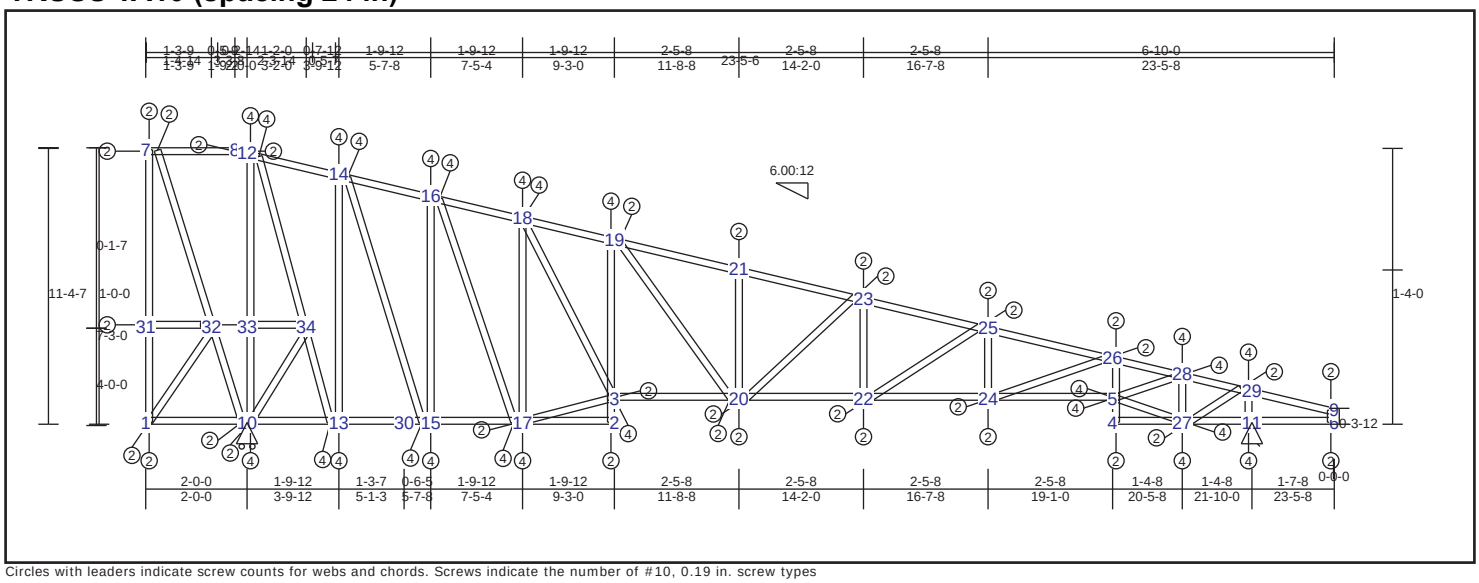
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
7-10	0.29	6 lbs	-4 lbs	4-25	0.38	-893 lbs	-893 lbs
8-10	0.57	-129 lbs	-129 lbs	12-25	0.40	-893 lbs	-893 lbs
8-16	0.53	-477 lbs	-477 lbs	6-12	0.31	0 lbs	0 lbs
16-17	0.39	-773 lbs	-773 lbs	1-11	0.07	-6 lbs	-6 lbs
17-19	0.33	-1015 lbs	-1015 lbs	11-14	0.54	128 lbs	-128 lbs
19-21	0.33	-1015 lbs	-1015 lbs	14-15	0.53	375 lbs	-358 lbs
21-23	0.39	-1289 lbs	-1289 lbs	2-15	0.46	375 lbs	-358 lbs
23-24	0.30	-1485 lbs	-1485 lbs	3-18	0.46	921 lbs	-891 lbs
24-26	0.27	-1485 lbs	-1485 lbs	18-20	0.48	1147 lbs	-1132 lbs
13-26	0.53	-1481 lbs	-1481 lbs	20-22	0.29	-1393 lbs	-1393 lbs
9-13	0.34	67 lbs	-3 lbs	5-22	0.30	-1685 lbs	-1685 lbs

Web			
15-16	0.55	-1059 lbs	-1059 lbs
2-3	0.21	158 lbs	-137 lbs
3-17	0.39	-785 lbs	-785 lbs
18-19	0.05	-229 lbs	-229 lbs
20-21	0.07	-405 lbs	-405 lbs
22-23	0.03	-231 lbs	-231 lbs
4-5	0.39	-688 lbs	-688 lbs
5-24	0.43	-688 lbs	-688 lbs
25-26	0.15	-1130 lbs	-1130 lbs
6-9	0.01	71 lbs	-7 lbs
12-13	0.13	-1003 lbs	-1003 lbs
3-16	0.44	965 lbs	-926 lbs
3-15	0.05	358 lbs	-336 lbs
5-26	0.12	1022 lbs	-934 lbs
5-25	0.15	-1122 lbs	-1122 lbs
14-28	0.21	-1020 lbs	-1020 lbs
8-28	0.33	-1020 lbs	-1020 lbs
14-30	0.00	-12 lbs	-12 lbs
28-30	0.00	3 lbs	-3 lbs
11-27	0.24	-1131 lbs	-1131 lbs
10-27	0.38	-1131 lbs	-1131 lbs
11-29	0.01	-31 lbs	-31 lbs
27-29	0.00	6 lbs	-6 lbs
1-32	0.00	16 lbs	-3 lbs
7-32	0.00	16 lbs	-3 lbs

Web			
1-31	0.00	0 lbs	0 lbs
31-32	0.00	0 lbs	0 lbs
8-30	0.32	1046 lbs	-978 lbs
15-30	0.20	1055 lbs	-987 lbs
17-18	0.25	725 lbs	-721 lbs
18-21	0.10	530 lbs	-496 lbs
20-23	0.06	443 lbs	-350 lbs
22-24	0.03	361 lbs	-197 lbs
13-25	0.07	740 lbs	-282 lbs
10-29	0.32	992 lbs	-929 lbs
14-29	0.20	1021 lbs	-956 lbs
7-31	0.01	-38 lbs	-38 lbs
11-31	0.03	-38 lbs	-38 lbs

TRUSS TA10 (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 :	0.61 (12 - 14)	TL(V): 0.09 in.	L / 999	(19-21)	L / 90
BC :	0.66 (10 - 13)	LL(V): 0.06 in.	L / 999	(19-21)	L / 90
Web :	0.81 (13 - 14)	DL(V): 0.03 in.	L / 999	(19-21)	L / 0
		Cant / OH TL: 0.06 in.	2L / 999	(19-21)	2L / 90
		Cant / OH LL: 0.06 in.	2L / 999	(19-21)	2L / 90
		Horiz TL: -0.03 in.		21	
		Web :			
		Snow/Wind -0.09 in.	L / 999	(19-21)	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 999	(19-21)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	HRoll		0 lbs	1210 lbs	0 lbs	-840 lbs	0 lbs
11	Fixed		-800 lbs	1060 lbs	0 lbs	-440 lbs	-800 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-5-1	23-5-8

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

Material Design Pass

Member Forces Summary

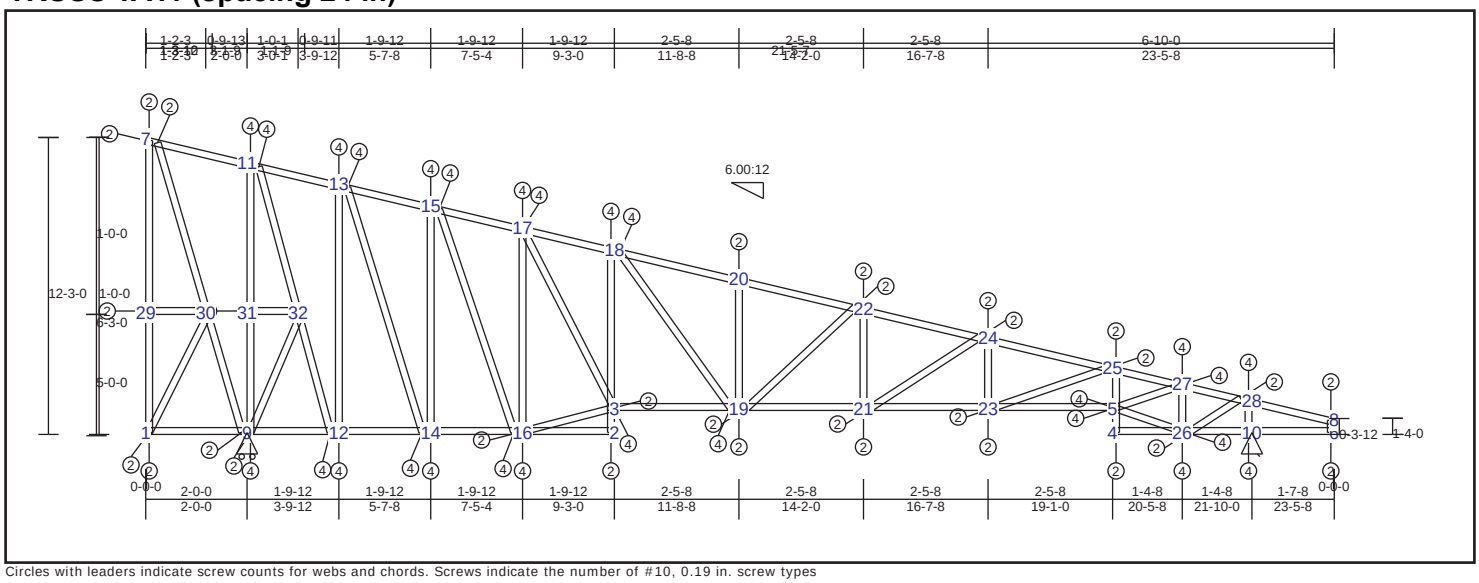
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
7-8	0.07	12 lbs	-9 lbs	4-27	0.38	-932 lbs	-932 lbs
8-12	0.06	-27 lbs	-27 lbs	11-27	0.45	-932 lbs	-932 lbs
12-14	0.61	456 lbs	-430 lbs	6-11	0.31	0 lbs	0 lbs
14-16	0.54	-378 lbs	-378 lbs	1-10	0.10	-12 lbs	-12 lbs
16-18	0.49	-487 lbs	-487 lbs	10-13	0.66	137 lbs	-135 lbs
18-19	0.40	-756 lbs	-756 lbs	13-15	0.66	300 lbs	-288 lbs
19-21	0.34	-996 lbs	-996 lbs	15-17	0.50	443 lbs	-424 lbs
21-23	0.33	-996 lbs	-996 lbs	2-17	0.40	443 lbs	-424 lbs
23-25	0.39	-1271 lbs	-1271 lbs	3-20	0.52	923 lbs	-897 lbs
25-26	0.30	-1470 lbs	-1470 lbs	20-22	0.48	1149 lbs	-1143 lbs
26-28	0.27	-1470 lbs	-1470 lbs	22-24	0.29	-1413 lbs	-1413 lbs
28-29	0.53	-1467 lbs	-1467 lbs	5-24	0.31	-1728 lbs	-1728 lbs
9-29	0.34	67 lbs	-3 lbs				

Web			
13-14	0.81	-1254 lbs	-1254 lbs
15-16	0.60	-1062 lbs	-1062 lbs
17-18	0.49	-1022 lbs	-1022 lbs
2-3	0.25	253 lbs	-231 lbs
3-19	0.33	796 lbs	-791 lbs
20-21	0.05	-227 lbs	-227 lbs
22-23	0.08	-417 lbs	-417 lbs
24-25	0.04	-248 lbs	-248 lbs
4-5	0.41	-716 lbs	-716 lbs
5-26	0.45	-716 lbs	-716 lbs
27-28	0.15	-1126 lbs	-1126 lbs
6-9	0.01	72 lbs	-7 lbs
11-29	0.13	-983 lbs	-983 lbs
3-18	0.42	1041 lbs	-1008 lbs
3-17	0.06	444 lbs	-418 lbs
5-28	0.12	1024 lbs	-937 lbs
5-27	0.16	-1171 lbs	-1171 lbs
10-33	0.24	-1083 lbs	-1083 lbs
12-33	0.44	-1083 lbs	-1083 lbs
10-34	0.01	-31 lbs	-31 lbs
33-34	0.00	6 lbs	-6 lbs

Web			
1-31	0.00	15 lbs	-4 lbs
7-31	0.00	15 lbs	-4 lbs
1-32	0.00	0 lbs	0 lbs
31-32	0.00	0 lbs	0 lbs
12-34	0.43	1142 lbs	-1073 lbs
13-34	0.24	1170 lbs	-1100 lbs
14-15	0.69	1134 lbs	-1063 lbs
16-17	0.49	908 lbs	-863 lbs
19-20	0.25	-731 lbs	-731 lbs
20-23	0.10	540 lbs	-497 lbs
22-25	0.06	459 lbs	-351 lbs
24-26	0.04	389 lbs	-208 lbs
27-29	0.07	716 lbs	-223 lbs
7-32	0.03	-82 lbs	-82 lbs
10-32	0.02	-82 lbs	-82 lbs

TRUSS TA11 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.54 (11 - 13)	TL(V): 0.09 in.	L / 999	(18-20)	L / 90
BC :	0.62 (9 - 12)	LL(V): 0.06 in.	L / 999	(18-20)	L / 90
Web :	0.77 (12 - 13)	DL(V): 0.03 in.	L / 999	(18-20)	L / 0
		Cant / OH TL: 0.06 in.	2L / 999	(18-20)	2L / 90
		Cant / OH LL: 0.06 in.	2L / 999	(18-20)	2L / 90
		Horiz TL: -0.03 in.		20	
		Web :			
		Snow/Wind -0.09 in.	L / 999	(18-20)	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 999	(18-20)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
9	HRoll		0 lbs	1220 lbs	0 lbs	-1080 lbs	0 lbs
10	Fixed		-920 lbs	1060 lbs	0 lbs	-360 lbs	-920 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-3-4	23-5-8

Material Design Pass

Slenderness check failed @ WB12-13Slenderness check failed

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

Member Forces Summary

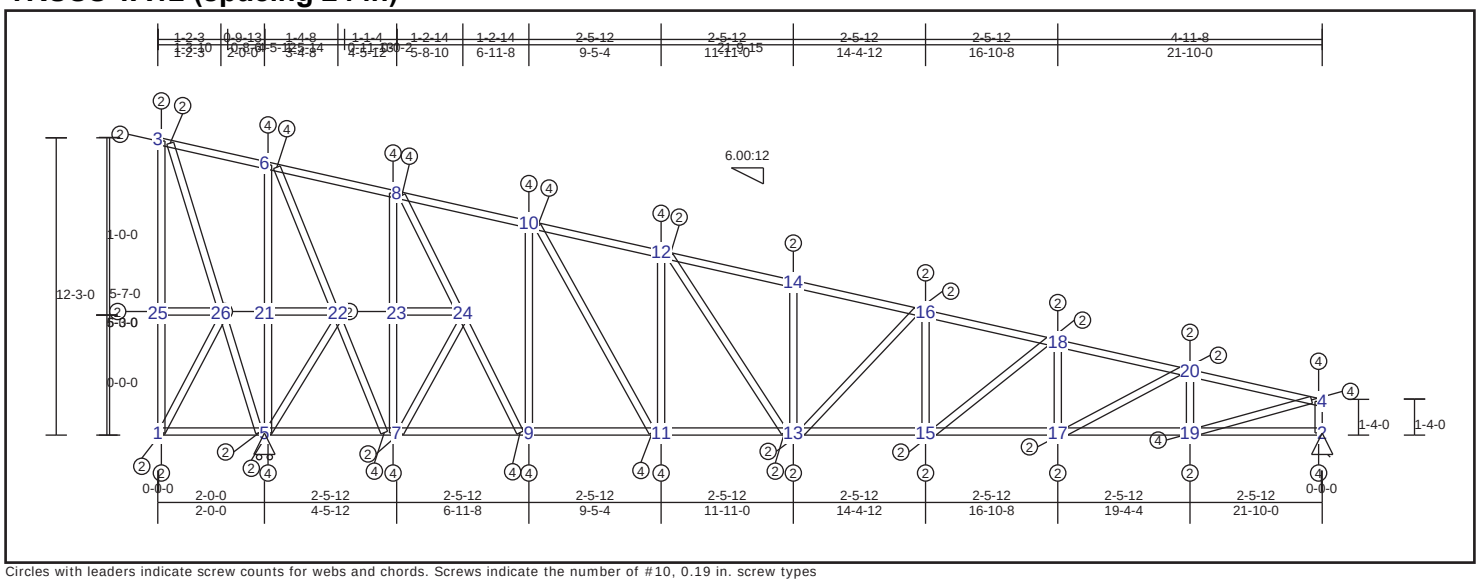
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
7-11	0.25	-92 lbs	-92 lbs	4-26	0.37	-1002 lbs	-1002 lbs
11-13	0.54	-583 lbs	-583 lbs	10-26	0.46	-1002 lbs	-1002 lbs
13-15	0.50	-526 lbs	-526 lbs	6-10	0.32	0 lbs	0 lbs
15-17	0.50	-470 lbs	-470 lbs	1-9	0.08	18 lbs	-7 lbs
17-18	0.41	-740 lbs	-740 lbs	9-12	0.62	136 lbs	-114 lbs
18-20	0.34	-981 lbs	-981 lbs	12-14	0.62	299 lbs	-269 lbs
20-22	0.33	-981 lbs	-981 lbs	14-16	0.51	443 lbs	-408 lbs
22-24	0.39	-1258 lbs	-1258 lbs	2-16	0.40	443 lbs	-408 lbs
24-25	0.30	-1462 lbs	-1462 lbs	3-19	0.52	924 lbs	-888 lbs
25-27	0.27	-1462 lbs	-1462 lbs	19-21	0.49	1151 lbs	-1142 lbs
27-28	0.52	-1462 lbs	-1462 lbs	21-23	0.30	-1431 lbs	-1431 lbs
8-28	0.34	68 lbs	-3 lbs	5-23	0.32	-1790 lbs	-1790 lbs

Web			
12-13	0.77	-1188 lbs	-1188 lbs
14-15	0.61	-1077 lbs	-1077 lbs
16-17	0.49	-1021 lbs	-1021 lbs
2-3	0.25	253 lbs	-222 lbs
3-18	0.33	811 lbs	-793 lbs
19-20	0.05	-227 lbs	-227 lbs
21-22	0.08	-442 lbs	-442 lbs
23-24	0.04	-283 lbs	-283 lbs
4-5	0.44	-763 lbs	-763 lbs
5-25	0.48	-763 lbs	-763 lbs
26-27	0.15	-1126 lbs	-1126 lbs
6-8	0.01	74 lbs	-7 lbs
10-28	0.13	-974 lbs	-974 lbs
3-17	0.42	1043 lbs	-1012 lbs
3-16	0.05	444 lbs	-398 lbs
5-26	0.17	-1261 lbs	-1261 lbs
5-27	0.12	1024 lbs	-926 lbs
1-29	0.00	9 lbs	-3 lbs
7-29	0.01	9 lbs	-3 lbs
1-30	0.00	0 lbs	0 lbs
29-30	0.00	0 lbs	0 lbs

Web			
9-31	0.29	1144 lbs	-1130 lbs
11-31	0.37	1144 lbs	-1130 lbs
9-32	0.01	-35 lbs	-35 lbs
31-32	0.00	5 lbs	-5 lbs
11-32	0.32	1085 lbs	-1000 lbs
12-32	0.26	1118 lbs	-1031 lbs
13-14	0.70	1138 lbs	-1083 lbs
15-16	0.50	911 lbs	-877 lbs
18-19	0.26	-749 lbs	-749 lbs
19-22	0.10	561 lbs	-500 lbs
21-24	0.06	489 lbs	-355 lbs
23-25	0.04	443 lbs	-221 lbs
26-28	0.07	708 lbs	-136 lbs
7-30	0.02	130 lbs	-48 lbs
9-30	0.04	130 lbs	-48 lbs

TRUSS TA12 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.56 (20 - 4)	TL(V): 0.07 in.	L / 999	(12-14)	L / 90
BC :	0.60 (5 - 7)	LL(V): 0.04 in.	L / 999	(12-14)	L / 90
Web :	0.71 (24 - 9)	DL(V): 0.02 in.	L / 999	(13-15)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: 0.02 in.		22	
		Web :			
		Snow/Wind -0.07 in.	L / 999	(12-14)	L / 90
		Cant (Snow/Wind) -0.01 in.	L / 0	(3-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	Fixed		-840 lbs	890 lbs	0 lbs	-230 lbs	-840 lbs
5	HRoll		0 lbs	1220 lbs	0 lbs	-1090 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-2-12	21-10-0

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

Material Design Pass

Member Forces Summary

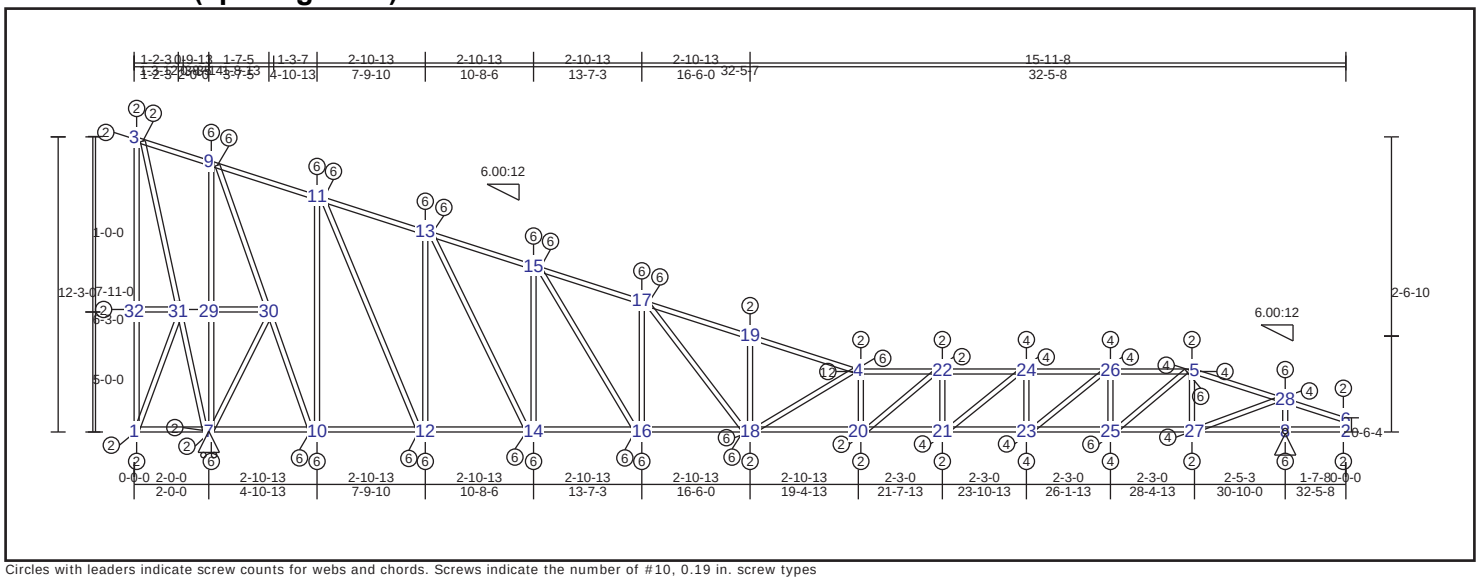
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
3-6	0.28	-92 lbs	-92 lbs	1-5	0.06	18 lbs	-7 lbs
6-8	0.56	-594 lbs	-594 lbs	5-7	0.60	193 lbs	-167 lbs
8-10	0.44	-477 lbs	-477 lbs	7-9	0.50	418 lbs	-381 lbs
10-12	0.46	-676 lbs	-676 lbs	9-11	0.45	621 lbs	-580 lbs
12-14	0.43	-843 lbs	-843 lbs	11-13	0.40	805 lbs	-769 lbs
14-16	0.30	-843 lbs	-843 lbs	13-15	0.38	955 lbs	-940 lbs
16-18	0.27	-977 lbs	-977 lbs	15-17	0.23	-1080 lbs	-1080 lbs
18-20	0.40	-1027 lbs	-1027 lbs	17-19	0.24	-1128 lbs	-1128 lbs
4-20	0.56	-999 lbs	-999 lbs	2-19	0.25	-1128 lbs	-1128 lbs

Web			
9-10	0.48	-942 lbs	-942 lbs
11-12	0.31	808 lbs	-793 lbs
13-14	0.06	-220 lbs	-220 lbs
15-16	0.06	-285 lbs	-285 lbs
17-18	0.02	-100 lbs	-100 lbs
19-20	0.07	-482 lbs	-482 lbs
2-4	0.11	-862 lbs	-862 lbs
7-23	0.27	-1114 lbs	-1114 lbs
8-23	0.27	-1114 lbs	-1114 lbs
7-24	0.00	-15 lbs	-15 lbs
23-24	0.00	3 lbs	-3 lbs
5-21	0.29	1167 lbs	-1156 lbs
6-21	0.36	1167 lbs	-1156 lbs
5-22	0.00	-19 lbs	-19 lbs
21-22	0.00	4 lbs	-4 lbs
1-25	0.00	11 lbs	-5 lbs
3-25	0.01	11 lbs	-5 lbs
1-26	0.00	0 lbs	0 lbs
25-26	0.00	0 lbs	0 lbs
6-22	0.32	1101 lbs	-1017 lbs
7-22	0.25	1118 lbs	-1033 lbs
8-24	0.23	1013 lbs	-964 lbs
9-24	0.71	1027 lbs	-978 lbs
10-11	0.43	837 lbs	-819 lbs
12-13	0.28	-673 lbs	-673 lbs

Web			
13-16	0.09	440 lbs	-383 lbs
15-18	0.04	284 lbs	-181 lbs
17-20	0.02	193 lbs	-25 lbs
4-19	0.08	893 lbs	-334 lbs
3-26	0.02	135 lbs	-51 lbs
5-26	0.05	135 lbs	-52 lbs

TRUSS TA13 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.99 (11 - 13)	TL(V): 0.31 in.	L / 999	(18-20)	L / 90
BC :	0.92 (18 - 20)	LL(V): 0.2 in.	L / 999	(18-20)	L / 90
Web :	0.98 (11 - 12)	DL(V): 0.1 in.	L / 999	(18-20)	L / 0
		Cant / OH TL: -0.04 in.	2L / 0	(8-2)	2L / 90
		Cant / OH LL: -0.04 in.	2L / 0	(8-2)	2L / 90
		Horiz TL: 0.09 in.		3	
		Web :			
		Snow/Wind -0.34 in.	L / 999	(18-20)	L / 90
		Cant (Snow/Wind) 0.06 in.	L / 0	(8-2)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	HRoll		0 lbs	-1920 lbs	0 lbs	-1920 lbs	0 lbs
8	Pin		-1310 lbs	1500 lbs	0 lbs	-810 lbs	-1310 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-2-13	32-5-8

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

Material Design Pass

Member Forces Summary

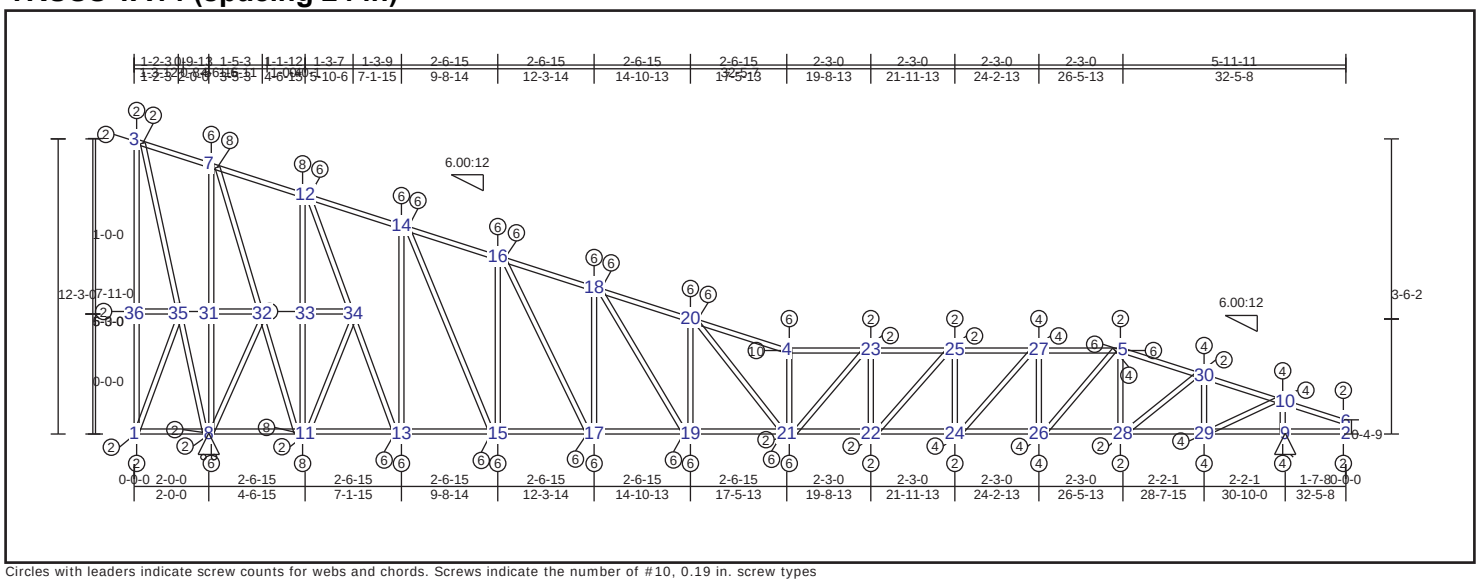
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
4-22	0.69	-3741 lbs	-3741 lbs	1-7	0.06	-11 lbs	-11 lbs
22-24	0.69	-3411 lbs	-3411 lbs	7-10	0.92	-469 lbs	-469 lbs
24-26	0.74	-2883 lbs	-2883 lbs	10-12	0.92	-976 lbs	-976 lbs
5-26	0.99	-2155 lbs	-2155 lbs	12-14	0.92	-1501 lbs	-1501 lbs
5-28	0.61	-1362 lbs	-1362 lbs	14-16	0.91	-2074 lbs	-2074 lbs
6-28	0.71	-618 lbs	-618 lbs	16-18	0.92	-2749 lbs	-2749 lbs
3-9	0.42	-55 lbs	-55 lbs	18-20	0.92	3906 lbs	-3663 lbs
9-11	0.99	-883 lbs	-883 lbs	20-21	0.69	3906 lbs	-3663 lbs
11-13	0.99	-892 lbs	-892 lbs	21-23	0.63	3576 lbs	-3423 lbs
13-15	0.99	-1382 lbs	-1382 lbs	23-25	0.63	-3067 lbs	-3067 lbs
15-17	0.87	-1995 lbs	-1995 lbs	25-27	0.63	-2596 lbs	-2596 lbs
17-19	0.87	-2796 lbs	-2796 lbs	8-27	0.33	-1996 lbs	-1996 lbs
4-19	0.94	-3413 lbs	-3413 lbs	2-8	0.26	-1314 lbs	-1314 lbs

Web			
10-11	0.98	2137 lbs	-1635 lbs
12-13	0.71	1888 lbs	-1524 lbs
14-15	0.49	1678 lbs	-1439 lbs
16-17	0.36	1554 lbs	-1505 lbs
18-19	0.05	492 lbs	-233 lbs
4-20	0.04	-250 lbs	-250 lbs
21-22	0.10	-665 lbs	-665 lbs
23-24	0.12	-842 lbs	-842 lbs
25-26	0.18	-1234 lbs	-1234 lbs
5-27	0.10	-689 lbs	-689 lbs
8-28	0.20	-1510 lbs	-1510 lbs
2-6	0.00	22 lbs	-10 lbs
7-29	0.39	2051 lbs	-1607 lbs
9-29	0.50	2051 lbs	-1607 lbs
7-30	0.00	25 lbs	-19 lbs
29-30	0.00	-6 lbs	-6 lbs
1-32	0.01	12 lbs	-1 lbs
3-32	0.01	12 lbs	-1 lbs
1-31	0.00	-2 lbs	-2 lbs
31-32	0.00	0 lbs	0 lbs
9-30	0.65	-2055 lbs	-2055 lbs
10-30	0.51	-2077 lbs	-2077 lbs
11-12	0.98	-1963 lbs	-1963 lbs
13-14	0.86	-1748 lbs	-1748 lbs
15-16	0.60	-1602 lbs	-1602 lbs

Web			
17-18	0.41	1743 lbs	-1532 lbs
4-18	0.31	-1809 lbs	-1809 lbs
20-22	0.06	542 lbs	-396 lbs
21-24	0.09	849 lbs	-571 lbs
23-26	0.12	1169 lbs	-757 lbs
5-25	0.15	1557 lbs	-987 lbs
27-28	0.13	1353 lbs	-786 lbs
3-31	0.04	-81 lbs	-81 lbs
7-31	0.07	-81 lbs	-81 lbs

TRUSS TA14 (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 :	0.94 (7 - 12)	TL(V): 0.25 in.	L / 948	(20-4)	L / 90
BC :	0.92 (8 - 11)	LL(V): 0.16 in.	L / 999	(20-4)	L / 90
Web :	0.99 (32 - 11)	DL(V): 0.08 in.	L / 999	(20-4)	L / 0
		Cant / OH TL: -0.01 in.	2L / 0	(1-8)	2L / 90
		Cant / OH LL: -0.01 in.	2L / 0	(1-8)	2L / 90
		Horiz TL: 0.07 in.		3	
		Web :			
		Snow/Wind -0.28 in.	L / 841	(20-4)	L / 90
		Cant (Snow/Wind) 0.02 in.	L / 0	(1-8)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
8	HRoll		0 lbs	-1850 lbs	0 lbs	-1850 lbs	0 lbs
9	Fixed		-1300 lbs	1510 lbs	0 lbs	-850 lbs	-1300 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-2-12	32-5-8

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

Material Design Pass

Member Forces Summary

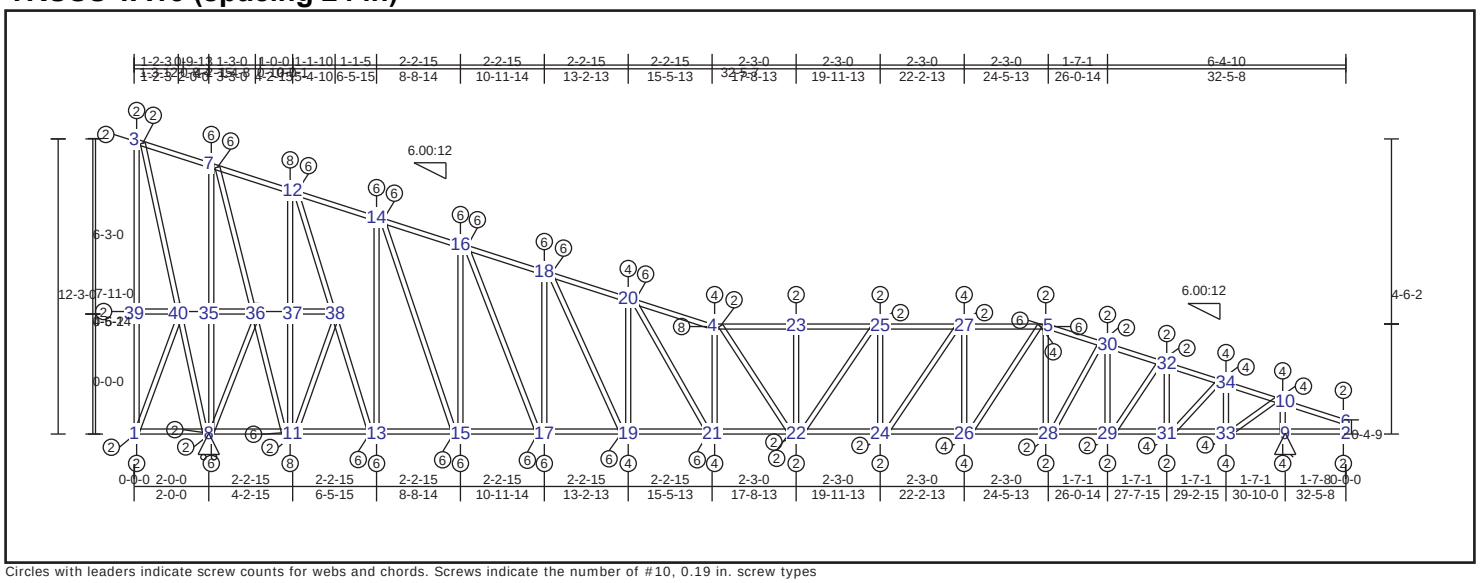
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
4-23	0.77	-2734 lbs	-2734 lbs	1-8	0.04	-10 lbs	-10 lbs
23-25	0.55	-2626 lbs	-2626 lbs	8-11	0.92	-436 lbs	-436 lbs
25-27	0.66	-2370 lbs	-2370 lbs	11-13	0.92	-935 lbs	-935 lbs
5-27	0.91	-1963 lbs	-1963 lbs	13-15	0.92	-1429 lbs	-1429 lbs
5-30	0.44	-1597 lbs	-1597 lbs	15-17	0.92	-1949 lbs	-1949 lbs
10-30	0.72	-1497 lbs	-1497 lbs	17-19	0.81	-2527 lbs	-2527 lbs
6-10	0.43	68 lbs	0 lbs	19-21	0.75	-3166 lbs	-3166 lbs
3-7	0.38	-52 lbs	-52 lbs	21-22	0.75	-3166 lbs	-3166 lbs
7-12	0.94	-956 lbs	-956 lbs	22-24	0.56	-3078 lbs	-3078 lbs
12-14	0.94	-783 lbs	-783 lbs	24-26	0.58	-2881 lbs	-2881 lbs
14-16	0.94	-1199 lbs	-1199 lbs	26-28	0.58	-2570 lbs	-2570 lbs
16-18	0.92	-1681 lbs	-1681 lbs	28-29	0.43	-2149 lbs	-2149 lbs
18-20	0.81	-2305 lbs	-2305 lbs	9-29	0.45	-1919 lbs	-1919 lbs
4-20	0.86	-3111 lbs	-3111 lbs	2-9	0.22	0 lbs	0 lbs

Web			
13-14	0.76	2074 lbs	-1540 lbs
15-16	0.56	1858 lbs	-1469 lbs
17-18	0.40	1652 lbs	-1427 lbs
19-20	0.30	1493 lbs	-1468 lbs
4-21	0.27	-1648 lbs	-1648 lbs
22-23	0.06	-337 lbs	-337 lbs
24-25	0.11	-664 lbs	-664 lbs
26-27	0.17	-1023 lbs	-1023 lbs
5-28	0.06	-348 lbs	-348 lbs
29-30	0.12	-818 lbs	-818 lbs
9-10	0.19	-1471 lbs	-1471 lbs
2-6	0.01	55 lbs	0 lbs
11-33	0.40	2310 lbs	-1630 lbs
12-33	0.99	2310 lbs	-1630 lbs
11-34	0.00	29 lbs	-21 lbs
33-34	0.00	-7 lbs	-7 lbs
8-31	0.40	2215 lbs	-1593 lbs
7-31	0.50	2215 lbs	-1593 lbs
8-32	0.01	35 lbs	-25 lbs
31-32	0.00	-8 lbs	-8 lbs
1-36	0.00	13 lbs	0 lbs
3-36	0.01	13 lbs	0 lbs
1-35	0.00	-1 lbs	-1 lbs
35-36	0.00	0 lbs	0 lbs
7-32	0.71	-2244 lbs	-2244 lbs

Web			
11-32	0.99	-2275 lbs	-2275 lbs
12-34	0.51	-2144 lbs	-2144 lbs
13-34	0.52	-2170 lbs	-2170 lbs
14-15	0.99	-1931 lbs	-1931 lbs
16-17	0.70	-1742 lbs	-1742 lbs
18-19	0.49	-1618 lbs	-1618 lbs
20-21	0.33	1724 lbs	-1418 lbs
21-23	0.03	237 lbs	-184 lbs
22-25	0.07	520 lbs	-401 lbs
24-27	0.11	826 lbs	-631 lbs
5-26	0.16	1153 lbs	-880 lbs
28-30	0.06	500 lbs	-369 lbs
10-29	0.12	1296 lbs	-768 lbs
3-35	0.04	-71 lbs	-71 lbs
8-35	0.07	-71 lbs	-71 lbs

TRUSS TA15 (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 :	0.95 (7 - 12)	TL(V): 0.22 in.	L / 947	(20-4)	L / 90
BC :	0.97 (8 - 11)	LL(V): 0.14 in.	L / 999	(20-4)	L / 90
Web :	0.83 (14 - 15)	DL(V): 0.07 in.	L / 999	(20-4)	L / 0
		Cant / OH TL: -0.01 in.	2L / 0	(1-8)	2L / 90
		Cant / OH LL: -0.01 in.	2L / 0	(1-8)	2L / 90
		Horiz TL: 0.06 in.		3	
		Web :			
		Snow/Wind -0.24 in.	L / 864	(20-4)	L / 90
		Cant (Snow/Wind) -0.02 in.	L / 999	(9-2)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
8	HRoll		0 lbs	-1770 lbs	0 lbs	-1770 lbs	0 lbs
9	Fixed		-1210 lbs	1510 lbs	0 lbs	-750 lbs	-1210 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-2-12	32-5-8

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

Material Design Pass

Member Forces Summary

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

Top Chord

4-23	0.61	-2127 lbs	-2127 lbs
23-25	0.45	-2127 lbs	-2127 lbs
25-27	0.57	-2026 lbs	-2026 lbs
5-27	0.79	-1813 lbs	-1813 lbs
5-30	0.29	-1692 lbs	-1692 lbs
30-32	0.34	-1692 lbs	-1692 lbs
32-34	0.41	-1637 lbs	-1637 lbs
10-34	0.69	-1369 lbs	-1369 lbs
6-10	0.39	67 lbs	-1 lbs
3-7	0.36	-57 lbs	-57 lbs
7-12	1.04	-914 lbs	-914 lbs
12-14	0.87	-681 lbs	-681 lbs
14-16	0.95	-1029 lbs	-1029 lbs
16-18	0.85	-1418 lbs	-1418 lbs
18-20	0.74	-1891 lbs	-1891 lbs
4-20	0.77	-2410 lbs	-2410 lbs

Bot Chord

1-8	0.06	-9 lbs	-9 lbs
8-11	0.97	-355 lbs	-355 lbs
11-13	0.97	-765 lbs	-765 lbs
13-15	0.97	-1159 lbs	-1159 lbs
15-17	0.89	-1559 lbs	-1559 lbs
17-19	0.78	-1974 lbs	-1974 lbs
19-21	0.72	-2382 lbs	-2382 lbs
21-22	0.67	-2412 lbs	-2412 lbs
22-24	0.41	-2412 lbs	-2412 lbs
24-26	0.47	-2352 lbs	-2352 lbs
26-28	0.47	-2209 lbs	-2209 lbs
28-29	0.30	-1979 lbs	-1979 lbs
29-31	0.32	-1957 lbs	-1957 lbs
31-33	0.55	-1870 lbs	-1870 lbs
9-33	0.55	-1622 lbs	-1622 lbs
2-9	0.24	0 lbs	0 lbs

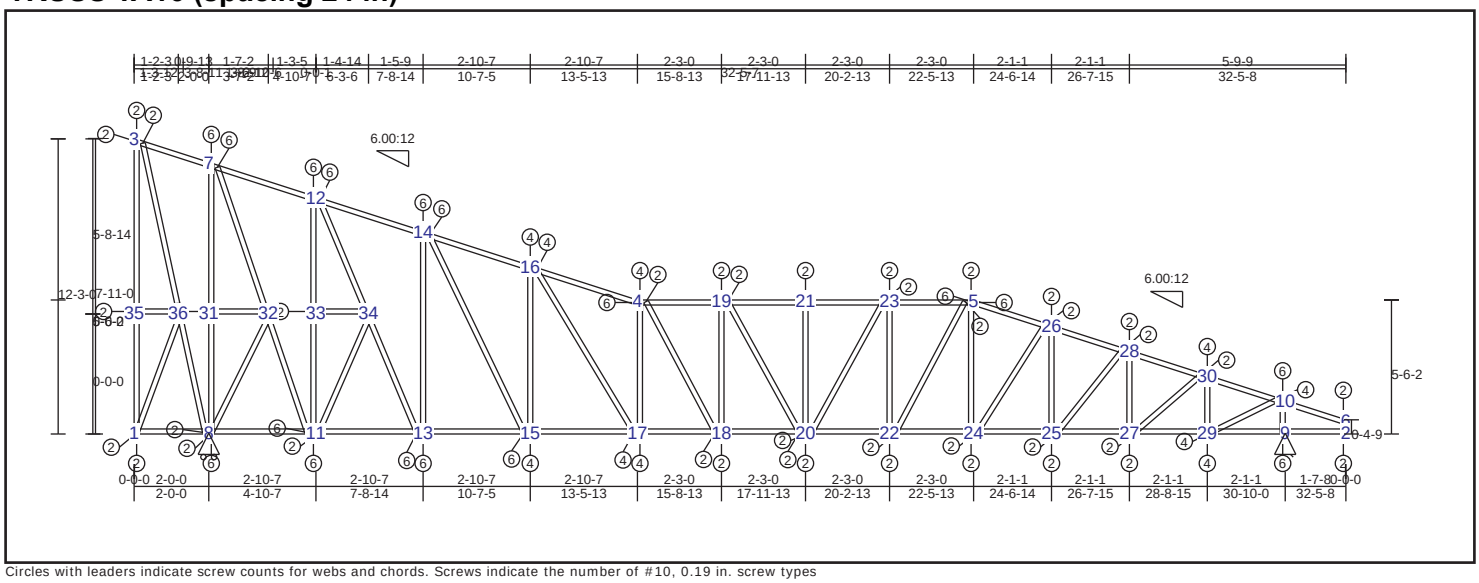
Web

13-14	0.83	2021 lbs	-1581 lbs
15-16	0.64	1807 lbs	-1511 lbs
17-18	0.48	1593 lbs	-1458 lbs
19-20	0.36	-1464 lbs	-1464 lbs
4-21	0.26	-1344 lbs	-1344 lbs
22-23	0.03	-157 lbs	-157 lbs
24-25	0.09	-438 lbs	-438 lbs
26-27	0.15	-785 lbs	-785 lbs
5-28	0.02	-127 lbs	-127 lbs
29-30	0.05	-278 lbs	-278 lbs
31-32	0.09	-583 lbs	-583 lbs
33-34	0.15	-1073 lbs	-1073 lbs
9-10	0.19	-1464 lbs	-1464 lbs
2-6	0.01	58 lbs	-3 lbs
11-37	0.41	2239 lbs	-1657 lbs
12-37	0.41	2239 lbs	-1657 lbs
11-38	0.01	37 lbs	-28 lbs
37-38	0.00	-8 lbs	-8 lbs
8-35	0.40	2111 lbs	-1585 lbs
7-35	0.51	2111 lbs	-1585 lbs
8-36	0.01	45 lbs	-33 lbs
35-36	0.00	-9 lbs	-9 lbs
1-39	0.00	17 lbs	-1 lbs
3-39	0.01	17 lbs	-1 lbs
1-40	0.00	0 lbs	0 lbs

Web

39-40	0.00	0 lbs	0 lbs
7-36	0.67	-2140 lbs	-2140 lbs
11-36	0.53	-2181 lbs	-2181 lbs
12-38	0.51	-2070 lbs	-2070 lbs
13-38	0.50	-2104 lbs	-2104 lbs
14-15	0.83	-1860 lbs	-1860 lbs
16-17	0.73	-1657 lbs	-1657 lbs
18-19	0.51	1554 lbs	-1484 lbs
20-21	0.32	1521 lbs	-1189 lbs
4-22	0.03	-121 lbs	-121 lbs
22-25	0.03	254 lbs	-150 lbs
24-27	0.08	534 lbs	-359 lbs
5-26	0.13	847 lbs	-595 lbs
28-30	0.01	157 lbs	-67 lbs
29-32	0.03	350 lbs	-219 lbs
31-34	0.07	787 lbs	-487 lbs
10-33	0.12	1269 lbs	-619 lbs
3-40	0.03	-65 lbs	-65 lbs
8-40	0.06	-65 lbs	-65 lbs

TRUSS TA16 (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 :	0.91 (7 - 12)	TL(V): 0.17 in.	L / 999	(16-4)	L / 90
BC :	0.89 (8 - 11)	LL(V): 0.11 in.	L / 999	(16-4)	L / 90
Web :	0.71 (34 - 13)	DL(V): 0.05 in.	L / 999	(16-4)	L / 0
		Cant / OH TL: 0.02 in.	2L / 0	(3-7)	2L / 90
		Cant / OH LL: 0.02 in.	2L / 0	(3-7)	2L / 90
		Horiz TL: 0.04 in.		3	
		Web :			
		Snow/Wind -0.19 in.	L / 948	(16-4)	L / 90
		Cant (Snow/Wind) -0.03 in.	L / 1	(10-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
8	HRoll		0 lbs	-1670 lbs	0 lbs	-1670 lbs	0 lbs
9	Fixed		-1120 lbs	1510 lbs	0 lbs	-670 lbs	-1120 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-2-12	32-5-8

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

Material Design Pass

Member Forces Summary

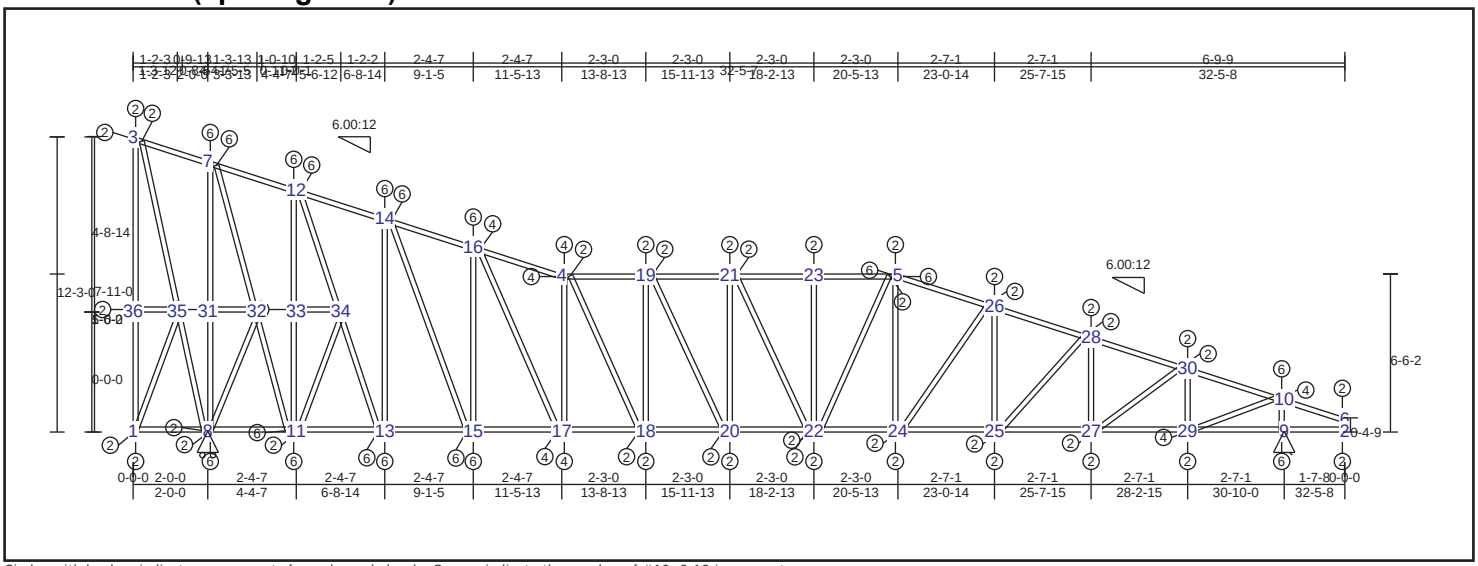
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
4-19	0.50	-1746 lbs	-1746 lbs	1-8	0.05	-9 lbs	-9 lbs
19-21	0.33	-1746 lbs	-1746 lbs	8-11	0.89	-441 lbs	-441 lbs
21-23	0.49	-1744 lbs	-1744 lbs	11-13	0.89	-920 lbs	-920 lbs
5-23	0.64	-1653 lbs	-1653 lbs	13-15	0.85	-1380 lbs	-1380 lbs
5-26	0.31	-1670 lbs	-1670 lbs	15-17	0.72	-1795 lbs	-1795 lbs
26-28	0.35	-1695 lbs	-1695 lbs	17-18	0.67	-1894 lbs	-1894 lbs
28-30	0.40	-1695 lbs	-1695 lbs	18-20	0.29	-1916 lbs	-1916 lbs
10-30	0.70	-1495 lbs	-1495 lbs	20-22	0.37	-1916 lbs	-1916 lbs
6-10	0.40	69 lbs	-1 lbs	22-24	0.37	-1872 lbs	-1872 lbs
3-7	0.40	-58 lbs	-58 lbs	24-25	0.28	-1789 lbs	-1789 lbs
7-12	0.91	-874 lbs	-874 lbs	25-27	0.28	-1789 lbs	-1789 lbs
12-14	0.89	-873 lbs	-873 lbs	27-29	0.44	-1763 lbs	-1763 lbs
14-16	0.91	-1369 lbs	-1369 lbs	9-29	0.44	-1588 lbs	-1588 lbs
4-16	0.91	-1898 lbs	-1898 lbs	2-9	0.27	0 lbs	0 lbs

Web			
13-14	0.71	1741 lbs	-1510 lbs
15-16	0.50	1463 lbs	-1454 lbs
4-17	0.32	-1339 lbs	-1339 lbs
18-19	0.05	255 lbs	-206 lbs
20-21	0.04	-184 lbs	-184 lbs
22-23	0.13	-544 lbs	-544 lbs
5-24	0.05	-227 lbs	-227 lbs
25-26	0.02	-126 lbs	-126 lbs
27-28	0.06	-370 lbs	-370 lbs
29-30	0.12	-844 lbs	-844 lbs
9-10	0.19	-1483 lbs	-1483 lbs
2-6	0.01	64 lbs	-2 lbs
8-31	0.39	2029 lbs	-1598 lbs
7-31	0.50	2029 lbs	-1598 lbs
8-32	0.00	26 lbs	-20 lbs
31-32	0.00	-7 lbs	-7 lbs
11-33	0.39	2046 lbs	-1611 lbs
12-33	0.71	2046 lbs	-1611 lbs
11-34	0.00	20 lbs	-17 lbs
33-34	0.00	-5 lbs	-5 lbs
1-35	0.01	12 lbs	-2 lbs
3-35	0.01	12 lbs	-2 lbs
1-36	0.00	-2 lbs	-2 lbs
35-36	0.00	0 lbs	0 lbs
7-32	0.63	-2013 lbs	-2013 lbs

Web			
11-32	0.49	-2036 lbs	-2036 lbs
12-34	0.42	-1821 lbs	-1821 lbs
13-34	0.77	-1838 lbs	-1838 lbs
14-15	0.77	1566 lbs	-1554 lbs
16-17	0.44	1478 lbs	-1152 lbs
4-18	0.08	308 lbs	-306 lbs
19-20	0.04	-172 lbs	-172 lbs
20-23	0.03	278 lbs	-131 lbs
5-22	0.09	570 lbs	-356 lbs
24-26	0.03	253 lbs	-138 lbs
25-28	0.02	179 lbs	-56 lbs
27-30	0.05	553 lbs	-292 lbs
10-29	0.12	1308 lbs	-600 lbs
3-36	0.04	-66 lbs	-66 lbs
8-36	0.06	-66 lbs	-66 lbs

TRUSS TA17 (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 :	0.93 (7 - 12)	TL(V): 0.15 in.	L / 999	(16-4)	L / 90
BC :	0.84 (8 - 11)	LL(V): 0.1 in.	L / 999	(16-4)	L / 90
Web :	0.59 (32 - 11)	DL(V): 0.05 in.	L / 999	(16-4)	L / 0
		Cant / OH TL: 0.01 in.	2L / 0	(3-7)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 0	(3-7)	2L / 90
		Horiz TL: 0.04 in.		32	
		Web :			
		Snow/Wind -0.16 in.	L / 964	(16-4)	L / 90
		Cant (Snow/Wind) -0.03 in.	L / 0	(10-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
8	HRoll		0 lbs	1630 lbs	0 lbs	-1550 lbs	0 lbs
9	Fixed		-1030 lbs	1510 lbs	0 lbs	-630 lbs	-1030 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-2-12	32-5-8

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

Material Design Pass

Member Forces Summary

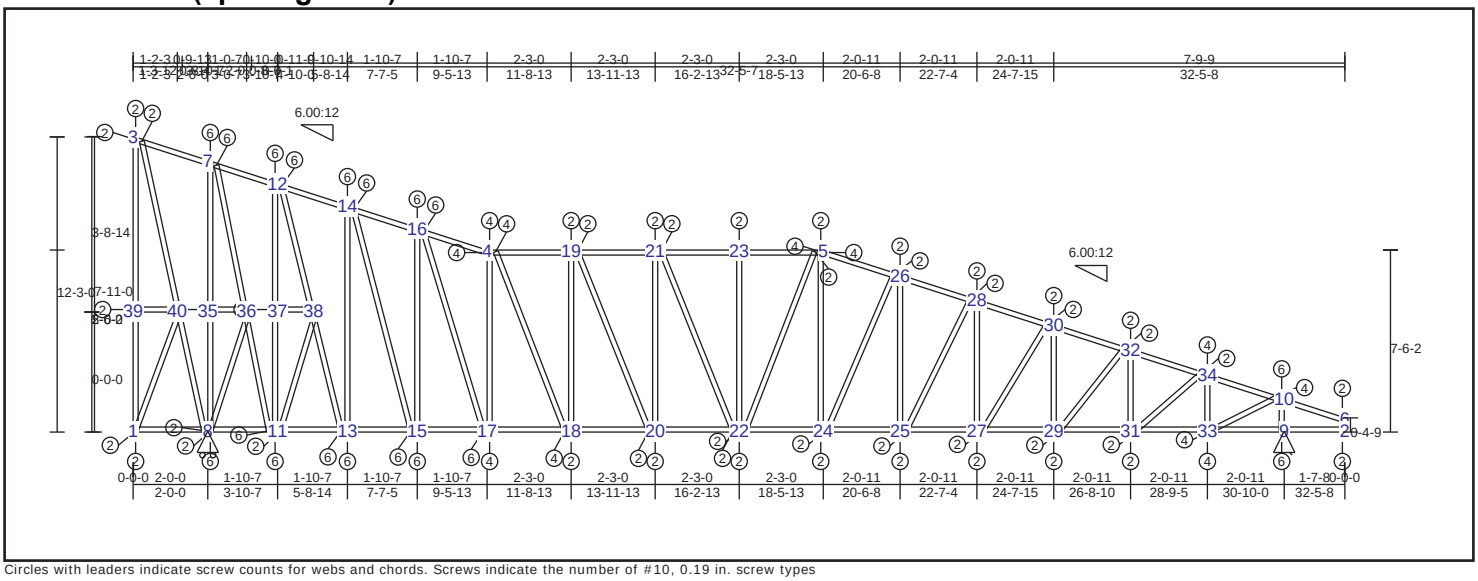
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
4-19	0.39	-1423 lbs	-1423 lbs	1-8	0.04	-7 lbs	-7 lbs
19-21	0.39	-1489 lbs	-1489 lbs	8-11	0.84	-330 lbs	-330 lbs
21-23	0.37	-1489 lbs	-1489 lbs	11-13	0.84	-693 lbs	-693 lbs
5-23	0.49	-1482 lbs	-1482 lbs	13-15	0.80	-1030 lbs	-1030 lbs
5-26	0.41	-1597 lbs	-1597 lbs	15-17	0.75	1368 lbs	-1324 lbs
26-28	0.38	-1701 lbs	-1701 lbs	17-18	0.66	1521 lbs	-1462 lbs
28-30	0.45	-1701 lbs	-1701 lbs	18-20	0.29	1586 lbs	-1535 lbs
10-30	0.72	-1580 lbs	-1580 lbs	20-22	0.28	1586 lbs	-1554 lbs
6-10	0.43	71 lbs	0 lbs	22-24	0.28	1579 lbs	-1554 lbs
3-7	0.37	-58 lbs	-58 lbs	24-25	0.30	1611 lbs	-1590 lbs
7-12	0.93	-820 lbs	-820 lbs	25-27	0.27	1623 lbs	-1617 lbs
12-14	0.78	-716 lbs	-716 lbs	27-29	0.36	1623 lbs	-1617 lbs
14-16	0.80	-1101 lbs	-1101 lbs	9-29	0.36	-1521 lbs	-1521 lbs
4-16	0.77	-1475 lbs	-1475 lbs	2-9	0.29	0 lbs	0 lbs

Web			
13-14	0.80	1673 lbs	-1561 lbs
15-16	0.62	-1506 lbs	-1506 lbs
4-17	0.42	-1342 lbs	-1342 lbs
18-19	0.14	-450 lbs	-450 lbs
20-21	0.06	296 lbs	-179 lbs
22-23	0.08	-262 lbs	-262 lbs
5-24	0.11	-353 lbs	-353 lbs
25-26	0.04	-172 lbs	-172 lbs
27-28	0.04	-229 lbs	-229 lbs
29-30	0.10	-697 lbs	-697 lbs
9-10	0.19	-1488 lbs	-1488 lbs
2-6	0.01	69 lbs	0 lbs
11-33	0.40	1946 lbs	-1646 lbs
12-33	0.59	1946 lbs	-1646 lbs
11-34	0.01	29 lbs	-25 lbs
33-34	0.00	-6 lbs	-6 lbs
8-31	0.40	1887 lbs	-1588 lbs
7-31	0.50	1887 lbs	-1588 lbs
8-32	0.01	36 lbs	-29 lbs
31-32	0.00	-7 lbs	-7 lbs
1-36	0.00	15 lbs	0 lbs
3-36	0.01	15 lbs	0 lbs
1-35	0.00	0 lbs	0 lbs
35-36	0.00	0 lbs	0 lbs
7-32	0.59	-1874 lbs	-1874 lbs

Web			
11-32	0.59	-1906 lbs	-1906 lbs
12-34	0.42	-1725 lbs	-1725 lbs
13-34	0.42	-1751 lbs	-1751 lbs
14-15	0.78	1582 lbs	-1474 lbs
16-17	0.47	1450 lbs	-1091 lbs
4-18	0.17	552 lbs	-500 lbs
19-20	0.11	-318 lbs	-318 lbs
21-22	0.08	-227 lbs	-227 lbs
5-22	0.05	339 lbs	-151 lbs
24-26	0.07	376 lbs	-289 lbs
25-28	0.02	190 lbs	-69 lbs
27-30	0.04	392 lbs	-167 lbs
10-29	0.13	1351 lbs	-624 lbs
3-35	0.02	-54 lbs	-54 lbs
8-35	0.05	-54 lbs	-54 lbs

TRUSS TA18 (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 :	0.81 (7 - 12)	TL(V): 0.15 in.	L / 737	(4-19)	L / 90
BC :	0.97 (8 - 11)	LL(V): 0.1 in.	L / 999	(4-19)	L / 90
Web :	0.92 (36 - 11)	DL(V): 0.05 in.	L / 999	(4-19)	L / 0
		Cant / OH TL: -0.01 in.	2L / 0	3	2L / 90
		Cant / OH LL: -0.01 in.	2L / 0	3	2L / 90
		Horiz TL: 0.05 in.		36	
		Web :			
		Snow/Wind -0.14 in.	L / 769	(4-19)	L / 90
		Cant (Snow/Wind) -0.03 in.	L / 0	(10-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
8	HRoll		0 lbs	1630 lbs	0 lbs	-1420 lbs	0 lbs
9	Fixed		-960 lbs	1510 lbs	0 lbs	-630 lbs	-960 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-2-11	32-5-8

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

Material Design Pass

Member Forces Summary

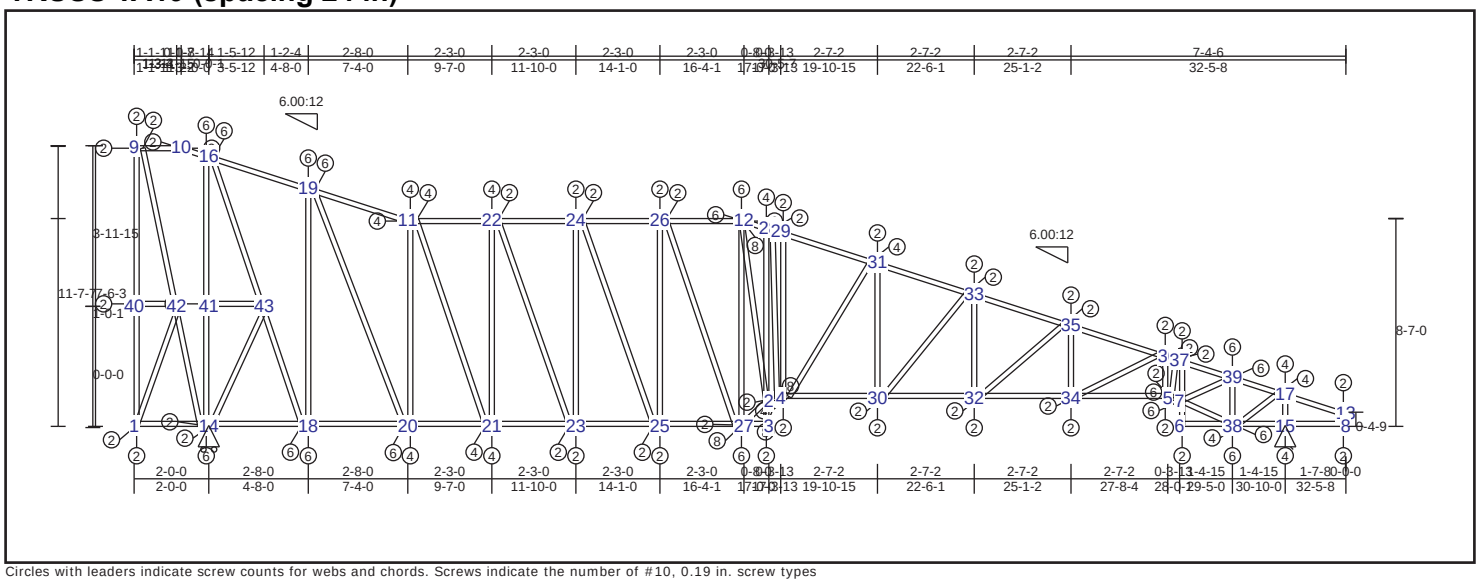
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
4-19	0.44	-1137 lbs	-1137 lbs	1-8	0.09	-6 lbs	-6 lbs
19-21	0.43	-1254 lbs	-1254 lbs	8-11	0.97	-229 lbs	-229 lbs
21-23	0.33	-1306 lbs	-1306 lbs	11-13	0.80	-492 lbs	-492 lbs
5-23	0.35	-1306 lbs	-1306 lbs	13-15	0.78	743 lbs	-728 lbs
5-26	0.37	-1477 lbs	-1477 lbs	15-17	0.78	1026 lbs	-935 lbs
26-28	0.36	-1600 lbs	-1600 lbs	17-18	0.68	1218 lbs	-1097 lbs
28-30	0.30	-1676 lbs	-1676 lbs	18-20	0.33	1334 lbs	-1203 lbs
30-32	0.35	-1694 lbs	-1694 lbs	20-22	0.28	1386 lbs	-1261 lbs
32-34	0.40	-1694 lbs	-1694 lbs	22-24	0.30	1386 lbs	-1268 lbs
10-34	0.70	-1490 lbs	-1490 lbs	24-25	0.29	1498 lbs	-1347 lbs
6-10	0.40	70 lbs	0 lbs	25-27	0.29	1593 lbs	-1449 lbs
3-7	0.35	-60 lbs	-60 lbs	27-29	0.26	1631 lbs	-1537 lbs
7-12	0.81	-751 lbs	-751 lbs	29-31	0.23	1631 lbs	-1566 lbs
12-14	0.69	-614 lbs	-614 lbs	31-33	0.44	-1566 lbs	-1566 lbs
14-16	0.72	-861 lbs	-861 lbs	9-33	0.44	-1436 lbs	-1436 lbs
4-16	0.74	-1112 lbs	-1112 lbs	2-9	0.29	0 lbs	0 lbs

Web			
13-14	0.92	-1644 lbs	-1644 lbs
15-16	0.76	-1594 lbs	-1594 lbs
4-17	0.54	-1382 lbs	-1382 lbs
18-19	0.28	-699 lbs	-699 lbs
20-21	0.16	465 lbs	-395 lbs
22-23	0.10	-244 lbs	-244 lbs
5-24	0.20	-509 lbs	-509 lbs
25-26	0.12	-390 lbs	-390 lbs
27-28	0.06	-240 lbs	-240 lbs
29-30	0.03	-131 lbs	-131 lbs
31-32	0.06	-381 lbs	-381 lbs
33-34	0.12	-856 lbs	-856 lbs
9-10	0.19	-1483 lbs	-1483 lbs
2-6	0.01	69 lbs	-2 lbs
11-37	0.43	1843 lbs	-1697 lbs
12-37	0.92	1843 lbs	-1697 lbs
11-38	0.01	44 lbs	-43 lbs
37-38	0.00	-7 lbs	-7 lbs
8-35	0.41	1722 lbs	-1570 lbs
7-35	0.51	1722 lbs	-1570 lbs
8-36	0.01	54 lbs	-48 lbs
35-36	0.00	-9 lbs	-9 lbs
1-39	0.00	20 lbs	-4 lbs
3-39	0.00	20 lbs	-4 lbs
1-40	0.00	0 lbs	0 lbs

Web			
39-40	0.00	0 lbs	0 lbs
7-36	0.55	-1719 lbs	-1719 lbs
11-36	0.92	-1770 lbs	-1770 lbs
12-38	0.43	1678 lbs	-1649 lbs
13-38	0.92	1718 lbs	-1690 lbs
14-15	0.81	1644 lbs	-1430 lbs
16-17	0.52	1489 lbs	-1086 lbs
4-18	0.28	792 lbs	-671 lbs
19-20	0.20	-482 lbs	-482 lbs
21-22	0.15	-357 lbs	-357 lbs
5-22	0.03	292 lbs	-69 lbs
24-26	0.16	518 lbs	-473 lbs
25-28	0.08	401 lbs	-316 lbs
27-30	0.03	241 lbs	-126 lbs
29-32	0.02	182 lbs	-15 lbs
31-34	0.05	566 lbs	-228 lbs
10-33	0.12	1305 lbs	-608 lbs
3-40	0.02	-47 lbs	-47 lbs
8-40	0.04	-47 lbs	-47 lbs

TRUSS TA19 (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 :	0.91 (19 - 11)	TL(V): 0.23 in.	L / 939	(29-31)	L / 90
BC :	0.92 (2 - 4)	LL(V): 0.15 in.	L / 999	(29-31)	L / 90
Web :	0.96 (2 - 28)	DL(V): 0.08 in.	L / 999	(4-30)	L / 0
		Cant / OH TL: 0.15 in.	2L / 0	(2-4)	2L / 90
		Cant / OH LL: 0.15 in.	2L / 0	(2-4)	2L / 90
		Horiz TL: -0.07 in.		29	
		Web :			
		Snow/Wind -0.21 in.	L / 999	(29-31)	L / 90
		Cant (Snow/Wind) -0.2 in.	L / 0	(2-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
14	HRoll		0 lbs	1320 lbs	0 lbs	-180 lbs	0 lbs
15	Fixed		-800 lbs	1520 lbs	0 lbs	-640 lbs	-800 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-8-0	32-5-8

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

Material Design Pass

Member Forces Summary

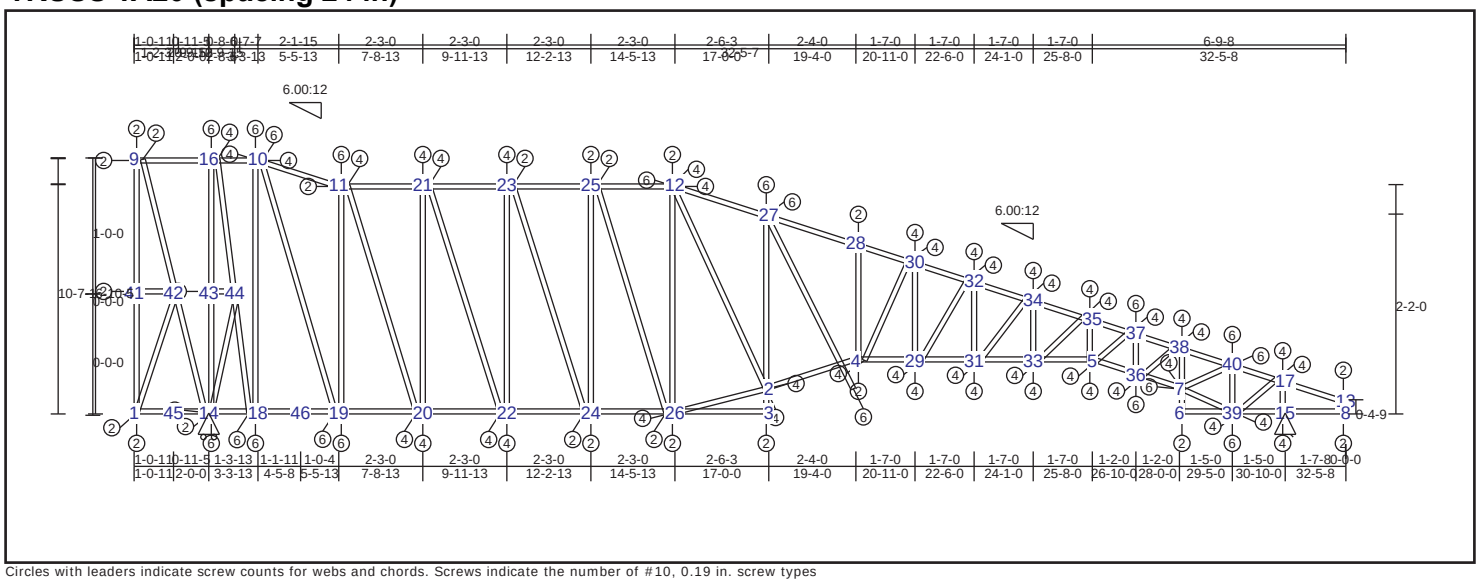
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
11-22	0.62	-881 lbs	-881 lbs	4-30	0.62	1786 lbs	-1486 lbs
22-24	0.50	-1034 lbs	-1034 lbs	30-32	0.39	2029 lbs	-1746 lbs
24-26	0.45	-1135 lbs	-1135 lbs	32-34	0.40	2276 lbs	-2046 lbs
12-26	0.45	-1430 lbs	-1430 lbs	5-34	0.51	2448 lbs	-2414 lbs
12-28	0.76	-1725 lbs	-1725 lbs	6-38	0.59	-1122 lbs	-1122 lbs
28-29	0.57	-1349 lbs	-1349 lbs	15-38	0.68	-1122 lbs	-1122 lbs
29-31	0.75	-1686 lbs	-1686 lbs	8-15	0.68	-798 lbs	-798 lbs
31-33	0.49	-1956 lbs	-1956 lbs	2-4	0.92	1303 lbs	-1020 lbs
33-35	0.58	-2275 lbs	-2275 lbs	5-7	0.92	-2451 lbs	-2451 lbs
35-36	0.57	-2760 lbs	-2760 lbs	1-14	0.13	-14 lbs	-14 lbs
36-37	0.62	-2775 lbs	-2775 lbs	14-18	0.92	344 lbs	-245 lbs
37-39	0.78	-2775 lbs	-2775 lbs	18-20	0.92	714 lbs	-489 lbs
17-39	0.62	-2428 lbs	-2428 lbs	20-21	0.69	932 lbs	-653 lbs
13-17	0.75	-570 lbs	-570 lbs	21-23	0.47	1086 lbs	-785 lbs
9-10	0.03	11 lbs	-8 lbs	23-25	0.30	1186 lbs	-894 lbs
10-16	0.58	648 lbs	-492 lbs	25-27	0.50	1226 lbs	-969 lbs
16-19	0.84	648 lbs	-492 lbs	3-27	0.30	-202 lbs	-202 lbs
11-19	0.91	-795 lbs	-795 lbs				

Web			
18-19	0.96	-1706 lbs	-1706 lbs
11-20	0.70	-1441 lbs	-1441 lbs
21-22	0.47	-954 lbs	-954 lbs
23-24	0.30	-618 lbs	-618 lbs
25-26	0.23	530 lbs	-468 lbs
12-27	0.96	-1956 lbs	-1956 lbs
2-3	0.84	1874 lbs	-1525 lbs
2-28	0.96	1874 lbs	-1525 lbs
4-29	0.18	594 lbs	-519 lbs
30-31	0.14	557 lbs	-553 lbs
32-33	0.08	-408 lbs	-408 lbs
34-35	0.04	-264 lbs	-264 lbs
5-36	0.09	-690 lbs	-690 lbs
6-7	0.67	-947 lbs	-947 lbs
7-37	0.67	-947 lbs	-947 lbs
38-39	0.24	-1784 lbs	-1784 lbs
15-17	0.19	-1421 lbs	-1421 lbs
8-13	0.00	41 lbs	-17 lbs
2-12	0.96	2977 lbs	-2482 lbs
2-27	0.24	-1166 lbs	-1976 lbs
7-39	0.20	1785 lbs	-1483 lbs
7-38	0.21	-1542 lbs	-1542 lbs
1-40	0.05	14 lbs	-4 lbs
9-40	0.09	14 lbs	-4 lbs
1-42	0.00	8 lbs	-7 lbs

Web			
40-42	0.00	-1 lbs	-1 lbs
14-41	0.38	-1518 lbs	-1518 lbs
16-41	1.25	-1518 lbs	-1518 lbs
14-43	0.01	-26 lbs	-26 lbs
41-43	0.00	6 lbs	-5 lbs
16-43	0.38	1656 lbs	-1170 lbs
18-43	1.00	1679 lbs	-1187 lbs
19-20	0.64	1547 lbs	-1025 lbs
11-21	0.39	1028 lbs	-772 lbs
22-23	0.31	699 lbs	-601 lbs
24-25	0.25	-495 lbs	-495 lbs
26-27	0.18	-358 lbs	-358 lbs
4-31	0.22	-793 lbs	-793 lbs
30-33	0.11	563 lbs	-527 lbs
32-35	0.07	500 lbs	-411 lbs
34-36	0.04	465 lbs	-270 lbs
17-38	0.10	1092 lbs	-504 lbs
4-28	0.10	327 lbs	-275 lbs
5-37	0.01	-77 lbs	-77 lbs
9-42	0.05	-75 lbs	-75 lbs
14-42	0.07	-83 lbs	-83 lbs

TRUSS TA20 (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 :	0.91 (37 - 38)	TL(V): 0.31 in.	L / 245	4	L / 90
BC :	0.87 (2 - 4)	LL(V): 0.21 in.	L / 371	4	L / 90
Web :	0.89 (2 - 27)	DL(V): 0.11 in.	L / 302	4	L / 0
		Cant / OH TL: 0.21 in.	2L / 990	4	2L / 90
		Cant / OH LL: 0.21 in.	2L / 990	4	2L / 90
		Horiz TL: -0.12 in.		28	
		Web :			
		Snow/Wind -0.29 in.	L / 261	4	L / 90
		Cant (Snow/Wind) -0.29 in.	L / 698	4	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
14	HRoll		0 lbs	1600 lbs	0 lbs	-900 lbs	0 lbs
15	Fixed		-740 lbs	1540 lbs	0 lbs	-720 lbs	-740 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
10-7-12	32-5-8

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

Material Design Pass

Member Forces Summary

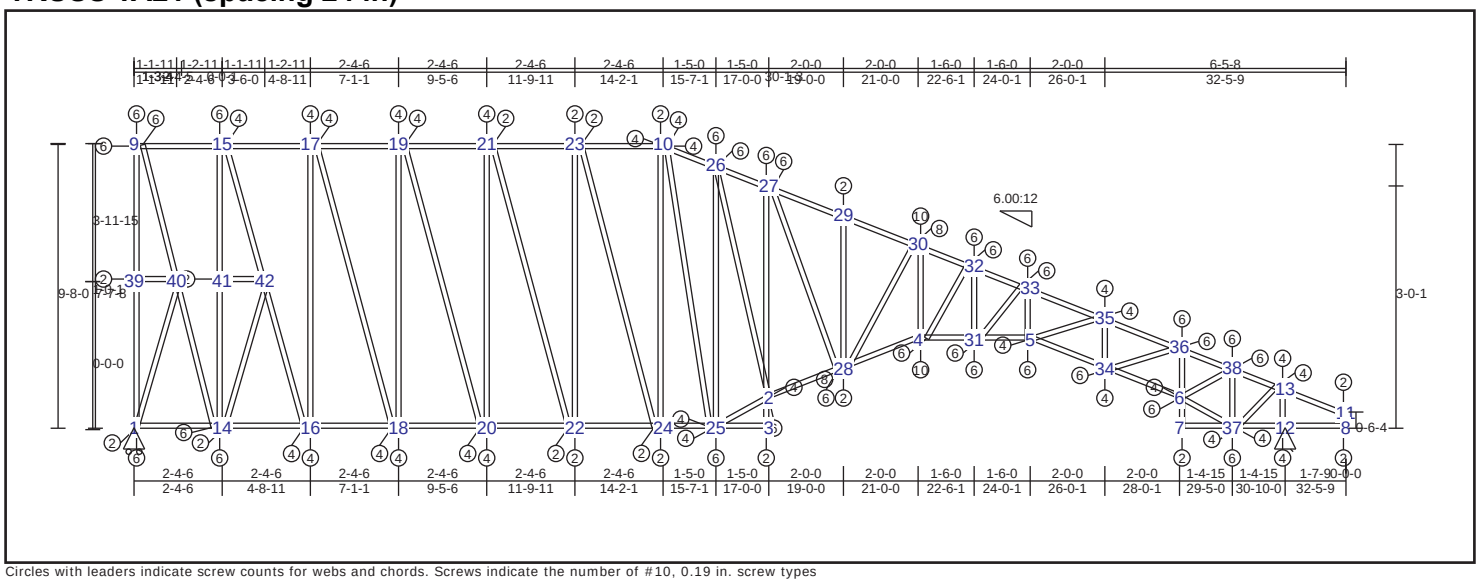
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
10-11	0.83	-541 lbs	-541 lbs	6-39	0.66	-975 lbs	-975 lbs
11-21	0.77	-652 lbs	-652 lbs	15-39	1.14	-975 lbs	-975 lbs
21-23	0.60	-832 lbs	-832 lbs	8-15	0.25	0 lbs	0 lbs
23-25	0.42	-962 lbs	-962 lbs	2-4	0.87	1764 lbs	-1427 lbs
12-25	0.37	-1034 lbs	-1034 lbs	4-29	0.87	2286 lbs	-1926 lbs
12-27	0.70	-2182 lbs	-2182 lbs	29-31	0.52	2581 lbs	-2221 lbs
27-28	0.61	-2182 lbs	-2182 lbs	31-33	0.57	2970 lbs	-2617 lbs
28-30	0.61	-2250 lbs	-2250 lbs	5-33	0.67	3561 lbs	-3240 lbs
30-32	0.58	-2536 lbs	-2536 lbs	5-36	0.77	3536 lbs	-3290 lbs
32-34	0.60	-2845 lbs	-2845 lbs	7-36	0.63	2622 lbs	-2584 lbs
34-35	0.77	-3857 lbs	-3857 lbs	1-14	0.21	-6 lbs	-6 lbs
35-37	0.82	-3857 lbs	-3857 lbs	14-18	0.84	127 lbs	-91 lbs
37-38	0.91	-3663 lbs	-3663 lbs	18-19	0.79	431 lbs	-297 lbs
38-40	0.68	-2751 lbs	-2751 lbs	19-20	0.76	671 lbs	-467 lbs
17-40	0.78	-2129 lbs	-2129 lbs	20-22	0.57	851 lbs	-607 lbs
13-17	0.56	76 lbs	-2 lbs	22-24	0.40	981 lbs	-725 lbs
9-16	0.40	6 lbs	-2 lbs	24-26	0.29	1053 lbs	-812 lbs
10-16	0.77	-127 lbs	-127 lbs	3-26	0.16	1053 lbs	-812 lbs

Web			
10-18	0.89	-1608 lbs	-1608 lbs
11-19	0.89	-1561 lbs	-1561 lbs
20-21	0.67	-1169 lbs	-1169 lbs
22-23	0.48	-835 lbs	-835 lbs
24-25	0.34	-590 lbs	-590 lbs
12-26	0.37	662 lbs	-641 lbs
2-3	0.84	-815 lbs	-815 lbs
2-27	0.89	-1950 lbs	-1950 lbs
4-28	0.01	59 lbs	-40 lbs
29-30	0.17	953 lbs	-921 lbs
31-32	0.12	784 lbs	-780 lbs
33-34	0.13	-910 lbs	-910 lbs
5-35	0.13	-988 lbs	-988 lbs
36-37	0.21	-1582 lbs	-1582 lbs
6-7	0.43	-749 lbs	-749 lbs
7-38	0.47	-1462 lbs	-1462 lbs
39-40	0.22	-1598 lbs	-1598 lbs
15-17	0.17	-1314 lbs	-1314 lbs
8-13	0.01	60 lbs	-4 lbs
2-26	0.10	936 lbs	-692 lbs
2-12	0.57	1215 lbs	-1090 lbs

Web			
7-40	0.18	1610 lbs	-1353 lbs
7-39	0.16	-1181 lbs	-1181 lbs
4-27	0.56	1990 lbs	-1754 lbs
14-43	0.42	-1485 lbs	-1485 lbs
16-43	0.46	-1485 lbs	-1485 lbs
14-44	0.02	-115 lbs	-115 lbs
43-44	0.00	12 lbs	-9 lbs
1-41	0.00	25 lbs	-21 lbs
9-41	0.00	25 lbs	-21 lbs
1-42	0.00	0 lbs	0 lbs
41-42	0.00	0 lbs	0 lbs
11-20	0.52	1245 lbs	-885 lbs
21-22	0.42	905 lbs	-707 lbs
23-24	0.35	655 lbs	-592 lbs
25-26	0.27	-452 lbs	-452 lbs
4-30	0.20	-1024 lbs	-1024 lbs
29-32	0.14	-844 lbs	-844 lbs
31-34	0.13	898 lbs	-880 lbs
33-35	0.15	1119 lbs	-1061 lbs
5-37	0.11	1122 lbs	-838 lbs
36-38	0.14	1361 lbs	-1072 lbs
17-39	0.09	943 lbs	-382 lbs
16-44	0.30	1412 lbs	-996 lbs
18-44	0.29	1524 lbs	-1078 lbs
10-19	0.77	1647 lbs	-1122 lbs
9-42	0.01	-35 lbs	-35 lbs
14-42	0.01	-35 lbs	-35 lbs

TRUSS TA21 (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 (30 - 32)	TL(V): 0.38 in.	L / 144	(28-4)	L / 90
BC :	0.98 (37 - 12)	LL(V): 0.24 in.	L / 222	(28-4)	L / 90
Web :	0.83 (41 - 15)	DL(V): 0.13 in.	L / 411	(28-4)	L / 0
		Cant / OH TL: 0.24 in.	2L / 0	4	2L / 90
		Cant / OH LL: 0.24 in.	2L / 0	4	2L / 90
		Horiz TL: -0.15 in.		1	
		Web :			
		Snow/Wind -0.37 in.	L / 147	(28-4)	L / 90
		Cant (Snow/Wind) -0.35 in.	L / 0	(28-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1490 lbs	0 lbs	-950 lbs	0 lbs
12	Fixed		-680 lbs	1650 lbs	0 lbs	-880 lbs	-680 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
9-8-9	32-5-9

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

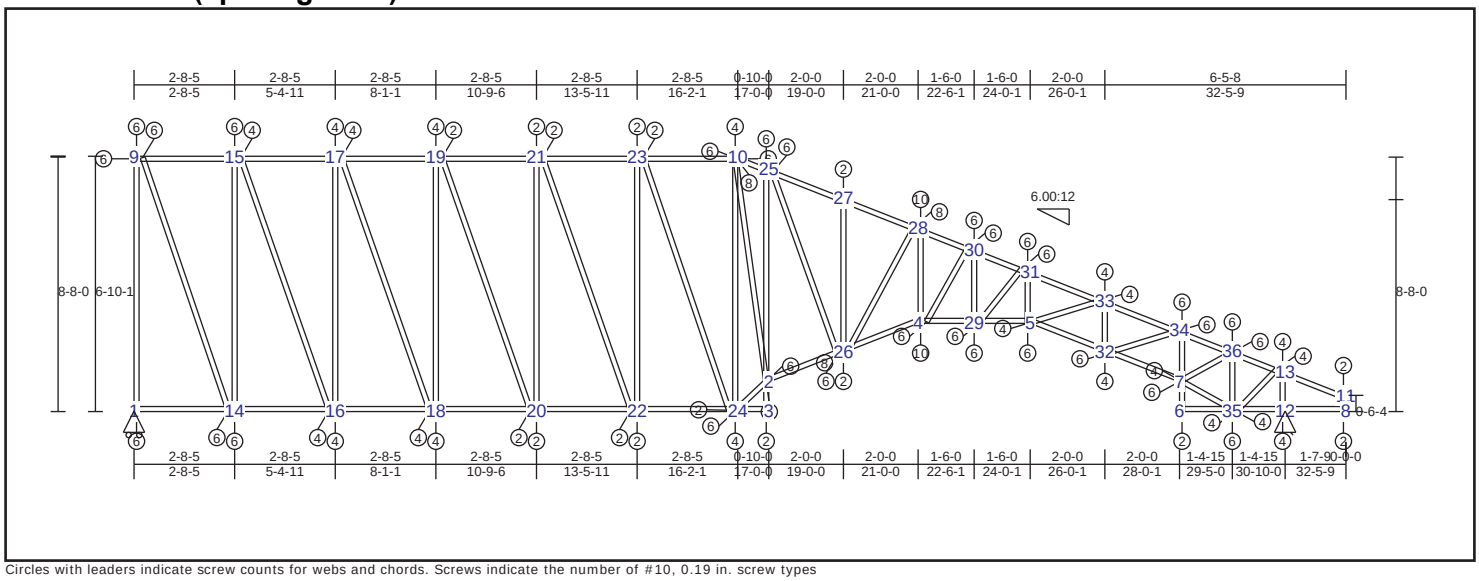
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
10-26	0.50	-1497 lbs	-1497 lbs	2-28	0.98	2380 lbs	-2079 lbs	16-17	0.75	-1286 lbs	-1286 lbs	39-40	0.00	10 lbs	-8 lbs
26-27	0.88	-1861 lbs	-1861 lbs	4-28	0.98	3642 lbs	-3221 lbs	18-19	0.61	-1046 lbs	-1046 lbs	14-41	0.41	-1672 lbs	-1672 lbs
27-29	0.74	-2408 lbs	-2408 lbs	4-31	0.92	3835 lbs	-3436 lbs	20-21	0.45	-774 lbs	-774 lbs	15-41	0.83	-1672 lbs	-1672 lbs
29-30	0.88	-2409 lbs	-2409 lbs	5-31	0.98	4827 lbs	-4393 lbs	22-23	0.30	-513 lbs	-513 lbs	14-42	0.01	-23 lbs	-23 lbs
30-32	0.88	-3675 lbs	-3675 lbs	5-34	0.81	4994 lbs	-4583 lbs	10-24	0.17	336 lbs	-292 lbs	41-42	0.00	5 lbs	-4 lbs
32-33	0.88	-5347 lbs	-5347 lbs	6-34	0.66	3575 lbs	-3425 lbs	25-26	0.83	-1589 lbs	-1589 lbs	9-40	0.32	1633 lbs	-1316 lbs
33-35	0.88	-5347 lbs	-5347 lbs	7-37	0.74	-965 lbs	-965 lbs	2-3	0.76	843 lbs	-713 lbs	14-40	0.35	1678 lbs	-1353 lbs
35-36	0.88	-4548 lbs	-4548 lbs	12-37	0.98	-965 lbs	-965 lbs	2-27	0.40	-1873 lbs	-1873 lbs	15-42	0.26	1374 lbs	-1124 lbs
36-38	0.69	-2911 lbs	-2911 lbs	8-12	0.29	0 lbs	0 lbs	28-29	0.03	132 lbs	-126 lbs	16-42	0.80	1395 lbs	-1141 lbs
13-38	0.85	-2274 lbs	-2274 lbs	1-14	0.89	326 lbs	-262 lbs	4-30	0.44	3114 lbs	-2820 lbs	17-18	0.56	1109 lbs	-927 lbs
11-13	0.62	80 lbs	-8 lbs	14-16	0.68	623 lbs	-506 lbs	31-32	0.21	1548 lbs	-1481 lbs	19-20	0.44	842 lbs	-727 lbs
9-15	0.88	-328 lbs	-328 lbs	16-18	0.61	852 lbs	-698 lbs	5-33	0.22	1726 lbs	-1660 lbs	21-22	0.32	573 lbs	-526 lbs
15-17	0.67	-623 lbs	-623 lbs	18-20	0.51	1027 lbs	-848 lbs	34-35	0.18	-1350 lbs	-1350 lbs	23-24	0.18	-304 lbs	-304 lbs
17-19	0.64	-852 lbs	-852 lbs	20-22	0.37	1145 lbs	-957 lbs	6-7	0.43	-765 lbs	-765 lbs	10-25	0.47	847 lbs	-804 lbs
19-21	0.53	-1027 lbs	-1027 lbs	22-24	0.25	1201 lbs	-1017 lbs	6-36	0.47	-1495 lbs	-1495 lbs	28-30	0.53	-2683 lbs	-2683 lbs
21-23	0.42	-1145 lbs	-1145 lbs	24-25	0.42	1302 lbs	-1114 lbs	37-38	0.24	-1713 lbs	-1713 lbs	4-32	0.24	-1615 lbs	-1615 lbs
10-23	0.39	-1201 lbs	-1201 lbs	3-25	0.38	1302 lbs	-1114 lbs	8-11	0.01	68 lbs	-19 lbs	31-33	0.26	-1871 lbs	-1871 lbs
								12-13	0.18	-1374 lbs	-1374 lbs	5-35	0.13	1199 lbs	-965 lbs
								6-38	0.20	1741 lbs	-1523 lbs	34-36	0.19	1636 lbs	-1358 lbs
								6-37	0.16	-1169 lbs	-1169 lbs	13-37	0.09	976 lbs	-476 lbs
								2-25	0.16	1394 lbs	-1178 lbs	27-28	0.55	1964 lbs	-1776 lbs
								2-26	0.69	1728 lbs	-1550 lbs				
								1-39	0.40	-1485 lbs	-1485 lbs				
								9-39	0.40	-1485 lbs	-1485 lbs				
								1-40	0.01	-49 lbs	-49 lbs				

TRUSS TA22 (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 :	0.85 (28 - 30)	TL(V): 0.37 in.	L / 147	(26-4)	L / 90
BC :	0.97 (35 - 12)	LL(V): 0.24 in.	L / 226	(26-4)	L / 90
Web :	0.72 (2 - 25)	DL(V): 0.13 in.	L / 419	(26-4)	L / 0
		Cant / OH TL: 0.24 in.	2L / 798	(26-4)	2L / 90
		Cant / OH LL: 0.24 in.	2L / 798	(26-4)	2L / 90
		Horiz TL: -0.15 in.		1	
		Web :			
		Snow/Wind -0.35 in.	L / 154	(26-4)	L / 90
		Cant (Snow/Wind) -0.35 in.	L / 544	(26-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1490 lbs	0 lbs	-930 lbs	0 lbs
12	Fixed		-610 lbs	1660 lbs	0 lbs	-900 lbs	-610 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-8-9	32-5-9

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

Material Design Pass

Member Forces Summary

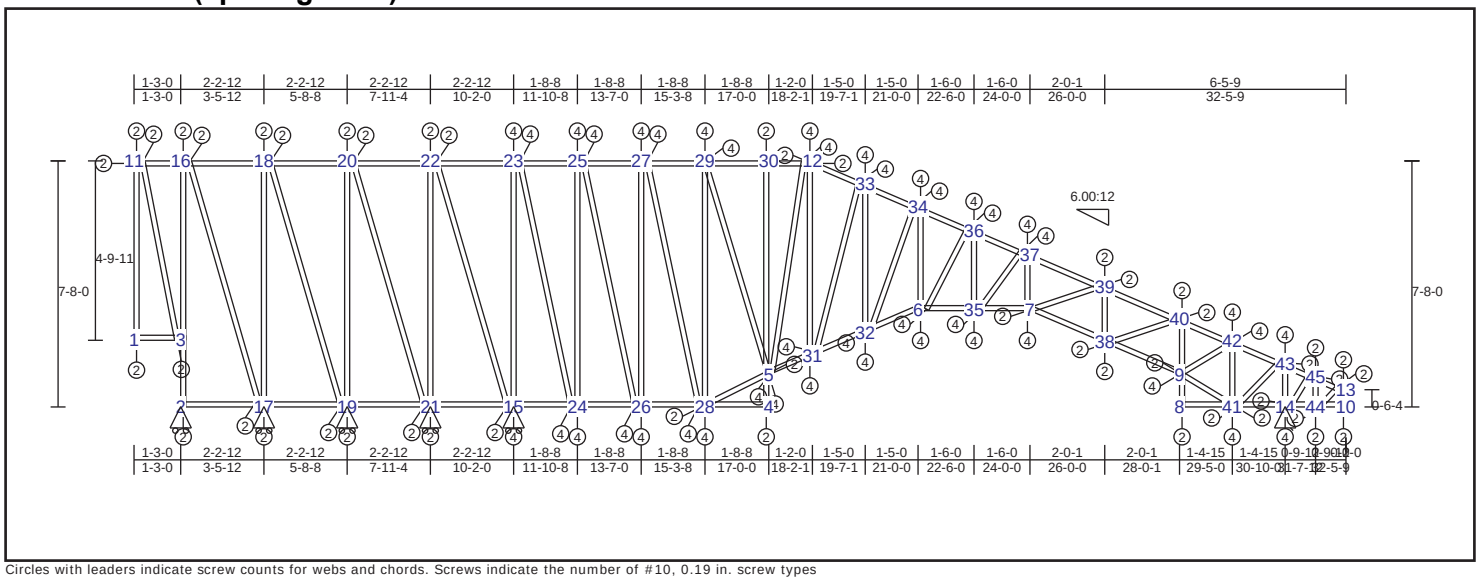
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
10-25	0.86	-1874 lbs	-1874 lbs	6-35	0.74	-916 lbs	-916 lbs
25-27	0.77	-2420 lbs	-2420 lbs	12-35	0.97	-916 lbs	-916 lbs
27-28	0.85	-2420 lbs	-2420 lbs	8-12	0.29	0 lbs	0 lbs
28-30	0.85	-3671 lbs	-3671 lbs	2-26	0.97	1897 lbs	-1601 lbs
30-31	0.85	-5335 lbs	-5335 lbs	4-26	0.97	3617 lbs	-3137 lbs
31-33	0.85	-5335 lbs	-5335 lbs	4-29	0.97	3813 lbs	-3351 lbs
33-34	0.85	-4540 lbs	-4540 lbs	5-29	0.95	4799 lbs	-4283 lbs
34-36	0.68	-2910 lbs	-2910 lbs	5-32	0.79	4965 lbs	-4467 lbs
13-36	0.85	-2276 lbs	-2276 lbs	7-32	0.64	3553 lbs	-3329 lbs
11-13	0.62	80 lbs	-8 lbs	1-14	0.86	423 lbs	-337 lbs
9-15	0.85	-423 lbs	-423 lbs	14-16	0.86	773 lbs	-619 lbs
15-17	0.88	-773 lbs	-773 lbs	16-18	0.56	1039 lbs	-838 lbs
17-19	0.62	-1039 lbs	-1039 lbs	18-20	0.45	1222 lbs	-996 lbs
19-21	0.51	-1222 lbs	-1222 lbs	20-22	0.29	1328 lbs	-1095 lbs
21-23	0.46	-1328 lbs	-1328 lbs	22-24	0.67	1340 lbs	-1123 lbs
10-23	0.46	-1584 lbs	-1584 lbs	3-24	0.34	133 lbs	-122 lbs

Web			
1-9	0.75	-1514 lbs	-1514 lbs
14-15	0.80	-1622 lbs	-1622 lbs
16-17	0.59	-1192 lbs	-1192 lbs
18-19	0.46	-924 lbs	-924 lbs
20-21	0.30	-612 lbs	-612 lbs
22-23	0.17	363 lbs	-349 lbs
10-24	0.65	-1309 lbs	-1309 lbs
2-3	0.72	1317 lbs	-1099 lbs
2-25	0.72	-1941 lbs	-1941 lbs
26-27	0.03	147 lbs	-141 lbs
4-28	0.43	3091 lbs	-2747 lbs
29-30	0.21	1540 lbs	-1444 lbs
5-31	0.22	1715 lbs	-1614 lbs
32-33	0.18	-1344 lbs	-1344 lbs
6-7	0.41	-730 lbs	-730 lbs
7-34	0.45	-1489 lbs	-1489 lbs
35-36	0.23	-1709 lbs	-1709 lbs
8-11	0.01	68 lbs	-18 lbs
12-13	0.18	-1385 lbs	-1385 lbs
7-36	0.20	1732 lbs	-1495 lbs
7-35	0.15	-1109 lbs	-1109 lbs
2-24	0.20	1885 lbs	-1564 lbs
2-10	0.81	2226 lbs	-1953 lbs
9-14	0.68	1640 lbs	-1305 lbs
15-16	0.56	1319 lbs	-1065 lbs

Web			
17-18	0.43	1003 lbs	-827 lbs
19-20	0.31	694 lbs	-595 lbs
21-22	0.20	397 lbs	-375 lbs
23-24	0.06	-106 lbs	-106 lbs
26-28	0.53	-2660 lbs	-2660 lbs
4-30	0.24	-1607 lbs	-1607 lbs
29-31	0.26	-1861 lbs	-1861 lbs
5-33	0.13	1193 lbs	-948 lbs
32-34	0.18	1630 lbs	-1337 lbs
13-35	0.09	989 lbs	-514 lbs
25-26	0.55	2006 lbs	-1784 lbs

TRUSS TA23 (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 :	0.66 (23 - 25)	TL(V): 0.14 in.	L / 999	(34-36)	L / 90
BC :	0.74 (15 - 24)	LL(V): 0.09 in.	L / 999	(34-36)	L / 90
Web :	0.58 (24 - 25)	DL(V): 0.05 in.	L / 999	(34-36)	L / 0
		Cant / OH TL: 0.09 in.	2L / 999	(34-36)	2L / 90
		Cant / OH LL: 0.09 in.	2L / 999	(34-36)	2L / 90
		Horiz TL: -0.06 in.		4	
		Web :			
		Snow/Wind -0.13 in.	L / 410	(32-6)	L / 90
		Cant (Snow/Wind) -0.13 in.	L / 999	(32-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	-310 lbs	-230 lbs	-310 lbs	0 lbs
14	Fixed		-510 lbs	940 lbs	0 lbs	-410 lbs	-510 lbs
15	HRoll		0 lbs	1870 lbs	0 lbs	-1270 lbs	0 lbs
17	HRoll		0 lbs	260 lbs	0 lbs	-160 lbs	0 lbs
19	HRoll		0 lbs	210 lbs	0 lbs	-120 lbs	0 lbs
21	HRoll		0 lbs	160 lbs	0 lbs	-80 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-8-11	32-5-9

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

Material Design Pass

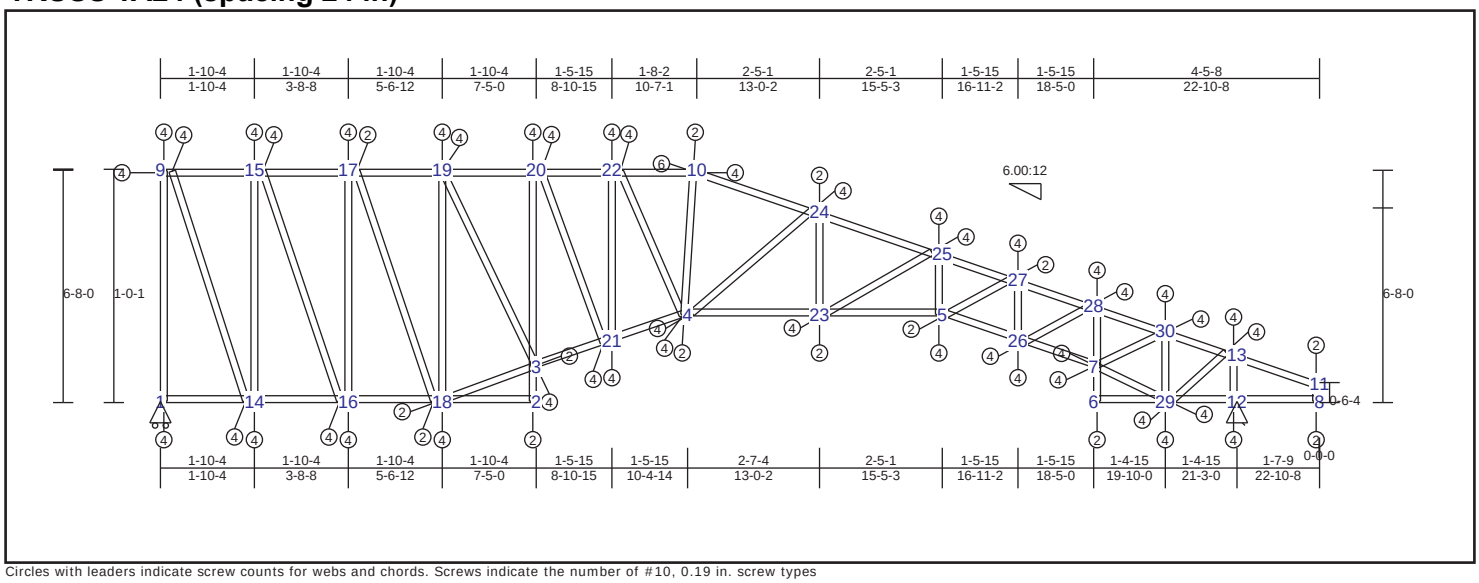
Member Forces Summary

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

Top Chord				Bot Chord				Web			
12-33	0.50	-449 lbs	-449 lbs	8-41	0.37	-555 lbs	-555 lbs	1-11	0.00	10 lbs	-3 lbs
33-34	0.60	-746 lbs	-746 lbs	14-41	0.57	-555 lbs	-555 lbs	2-3	0.10	328 lbs	-316 lbs
34-36	0.59	-1145 lbs	-1145 lbs	14-44	0.57	-412 lbs	-412 lbs	3-16	0.11	422 lbs	-384 lbs
36-37	0.61	-2104 lbs	-2104 lbs	10-44	0.12	-91 lbs	-91 lbs	17-18	0.14	384 lbs	-351 lbs
37-39	0.49	-2104 lbs	-2104 lbs	6-35	0.42	1350 lbs	-1225 lbs	19-20	0.14	385 lbs	-352 lbs
39-40	0.47	-1927 lbs	-1927 lbs	7-35	0.44	1898 lbs	-1766 lbs	21-22	0.16	440 lbs	-401 lbs
40-42	0.34	-1345 lbs	-1345 lbs	2-17	0.31	-157 lbs	-157 lbs	15-23	0.55	-1343 lbs	-1343 lbs
42-43	0.40	-1078 lbs	-1078 lbs	17-19	0.31	-299 lbs	-299 lbs	24-25	0.58	-1420 lbs	-1420 lbs
43-45	0.48	244 lbs	-189 lbs	19-21	0.29	-446 lbs	-446 lbs	26-27	0.49	-1200 lbs	-1200 lbs
13-45	0.23	223 lbs	-176 lbs	15-21	0.31	-582 lbs	-582 lbs	28-29	0.38	-939 lbs	-939 lbs
11-16	0.07	13 lbs	-10 lbs	15-24	0.74	-582 lbs	-582 lbs	4-5	0.21	115 lbs	-82 lbs
16-18	0.29	157 lbs	-139 lbs	24-26	0.74	-349 lbs	-349 lbs	5-30	0.53	-865 lbs	-865 lbs
18-20	0.29	299 lbs	-266 lbs	26-28	0.56	128 lbs	-119 lbs	12-31	0.22	884 lbs	-793 lbs
20-22	0.31	446 lbs	-398 lbs	4-28	0.43	-60 lbs	-60 lbs	32-33	0.21	1174 lbs	-1064 lbs
22-23	0.66	582 lbs	-520 lbs	1-3	0.04	0 lbs	0 lbs	6-34	0.19	1297 lbs	-1190 lbs
23-25	0.66	582 lbs	-520 lbs	7-38	0.34	2039 lbs	-1919 lbs	35-36	0.13	910 lbs	-878 lbs
25-27	0.66	349 lbs	-325 lbs	9-38	0.30	1625 lbs	-1620 lbs	7-37	0.12	875 lbs	-863 lbs
27-29	0.59	-251 lbs	-251 lbs	5-31	0.40	590 lbs	-502 lbs	38-39	0.07	-495 lbs	-495 lbs
29-30	0.09	-255 lbs	-255 lbs	31-32	0.47	740 lbs	-639 lbs	8-9	0.25	-434 lbs	-434 lbs
12-30	0.49	-365 lbs	-365 lbs	6-32	0.51	1127 lbs	-998 lbs	9-40	0.26	-675 lbs	-675 lbs
								41-42	0.12	-893 lbs	-893 lbs

Web			
14-43	0.13	-969 lbs	-969 lbs
44-45	0.04	363 lbs	-336 lbs
10-13	0.00	6 lbs	0 lbs
9-42	0.09	813 lbs	-706 lbs
9-41	0.09	-676 lbs	-676 lbs
5-28	0.01	133 lbs	-92 lbs
5-29	0.24	782 lbs	-695 lbs
16-17	0.26	-601 lbs	-601 lbs
18-19	0.25	-584 lbs	-584 lbs
20-21	0.26	-607 lbs	-607 lbs
15-22	0.24	-562 lbs	-562 lbs
23-24	0.46	1306 lbs	-1096 lbs
25-26	0.46	1295 lbs	-1107 lbs
27-28	0.36	979 lbs	-856 lbs
31-33	0.27	-1107 lbs	-1107 lbs
32-34	0.24	-1316 lbs	-1316 lbs
6-36	0.14	-920 lbs	-920 lbs
35-37	0.14	-1035 lbs	-1035 lbs
7-39	0.03	269 lbs	-172 lbs
38-40	0.07	633 lbs	-497 lbs
41-43	0.06	627 lbs	-307 lbs
14-45	0.02	166 lbs	-116 lbs
13-44	0.02	-144 lbs	-144 lbs
11-16	0.02	-78 lbs	-78 lbs
12-30	0.27	-864 lbs	-864 lbs

TRUSS TA24 (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 (9 - 15)	TL(V): 0.12 in.	L / 999	(24-25)	L / 90
BC :	0.63 (1 - 14)	LL(V): 0.08 in.	L / 999	(24-25)	L / 90
Web :	0.40 (14 - 15)	DL(V): 0.04 in.	L / 999	(4-23)	L / 0
		Cant / OH TL: 0.08 in.	2L / 999	(24-25)	2L / 90
		Cant / OH LL: 0.08 in.	2L / 999	(24-25)	2L / 90
		Horiz TL: -0.05 in.		1	
		Web :			
		Snow/Wind -0.11 in.	L / 551	(4-23)	L / 90
		Cant (Snow/Wind) -0.11 in.	L / 891	(4-23)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1030 lbs	0 lbs	-650 lbs	0 lbs
12	Fixed		-460 lbs	1190 lbs	0 lbs	-640 lbs	-460 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-8-12	22-10-8

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

Material Design Pass

Member Forces Summary

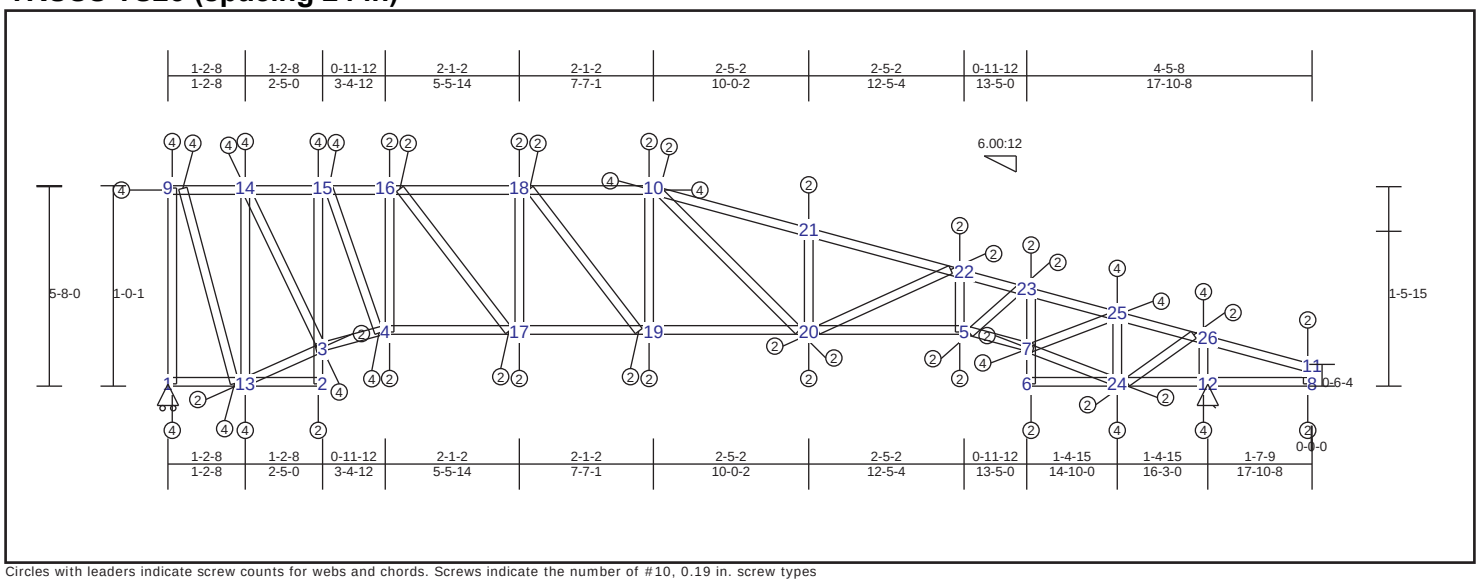
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
10-24	0.50	-1704 lbs	-1704 lbs	1-14	0.63	257 lbs	-208 lbs
24-25	0.66	-2957 lbs	-2957 lbs	14-16	0.63	480 lbs	-390 lbs
25-27	0.60	-2957 lbs	-2957 lbs	16-18	0.42	637 lbs	-522 lbs
27-28	0.62	-2703 lbs	-2703 lbs	2-18	0.29	637 lbs	-522 lbs
28-30	0.47	-1985 lbs	-1985 lbs	6-29	0.44	-712 lbs	-712 lbs
13-30	0.59	-1586 lbs	-1586 lbs	12-29	0.54	-712 lbs	-712 lbs
11-13	0.40	69 lbs	0 lbs	8-12	0.29	0 lbs	0 lbs
9-15	0.78	-257 lbs	-257 lbs	3-21	0.41	1138 lbs	-953 lbs
15-17	0.58	-480 lbs	-480 lbs	4-21	0.54	1311 lbs	-1103 lbs
17-19	0.45	-897 lbs	-897 lbs	5-26	0.51	2746 lbs	-2533 lbs
19-20	0.42	-898 lbs	-898 lbs	7-26	0.41	2080 lbs	-2007 lbs
20-22	0.49	-1112 lbs	-1112 lbs	4-23	0.43	1844 lbs	-1623 lbs
10-22	0.49	-1350 lbs	-1350 lbs	5-23	0.54	2667 lbs	-2429 lbs

Web			
1-9	0.34	-1063 lbs	-1063 lbs
14-15	0.40	-1222 lbs	-1222 lbs
16-17	0.29	-895 lbs	-895 lbs
18-19	0.30	-930 lbs	-930 lbs
2-3	0.29	354 lbs	-283 lbs
3-20	0.33	-915 lbs	-915 lbs
21-22	0.22	-1041 lbs	-1041 lbs
23-24	0.10	720 lbs	-667 lbs
5-25	0.12	875 lbs	-862 lbs
26-27	0.12	-892 lbs	-892 lbs
6-7	0.32	-543 lbs	-543 lbs
7-28	0.34	-968 lbs	-968 lbs
29-30	0.16	-1173 lbs	-1173 lbs
8-11	0.01	69 lbs	-1 lbs
12-13	0.14	-1078 lbs	-1078 lbs
4-10	0.08	521 lbs	-431 lbs
3-19	0.19	827 lbs	-709 lbs
7-30	0.13	1115 lbs	-960 lbs
3-18	0.08	691 lbs	-564 lbs
7-29	0.12	-863 lbs	-863 lbs
9-14	0.33	1197 lbs	-966 lbs
15-16	0.27	989 lbs	-813 lbs
17-18	0.20	701 lbs	-589 lbs
20-21	0.17	883 lbs	-778 lbs
4-22	0.15	838 lbs	-767 lbs

Web			
23-25	0.16	-1077 lbs	-1077 lbs
5-27	0.06	615 lbs	-471 lbs
26-28	0.09	873 lbs	-704 lbs
13-29	0.07	783 lbs	-414 lbs
4-24	0.14	-826 lbs	-826 lbs

TRUSS TS25 (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 (9 - 14)	TL(V): 0.06 in.	L / 999	(10-21)	L / 90
BC :	0.49 (1 - 13)	LL(V): 0.04 in.	L / 999	(10-21)	L / 90
Web :	0.26 (7 - 23)	DL(V): 0.02 in.	L / 999	(10-21)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(10-21)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(10-21)	2L / 90
		Horiz TL: -0.02 in.		1	
		Web :			
		Snow/Wind -0.05 in.	L / 999	(10-21)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 999	(10-21)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	780 lbs	0 lbs	-430 lbs	0 lbs
12	Fixed		-390 lbs	940 lbs	0 lbs	-460 lbs	-390 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
5-8-10	17-10-8

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

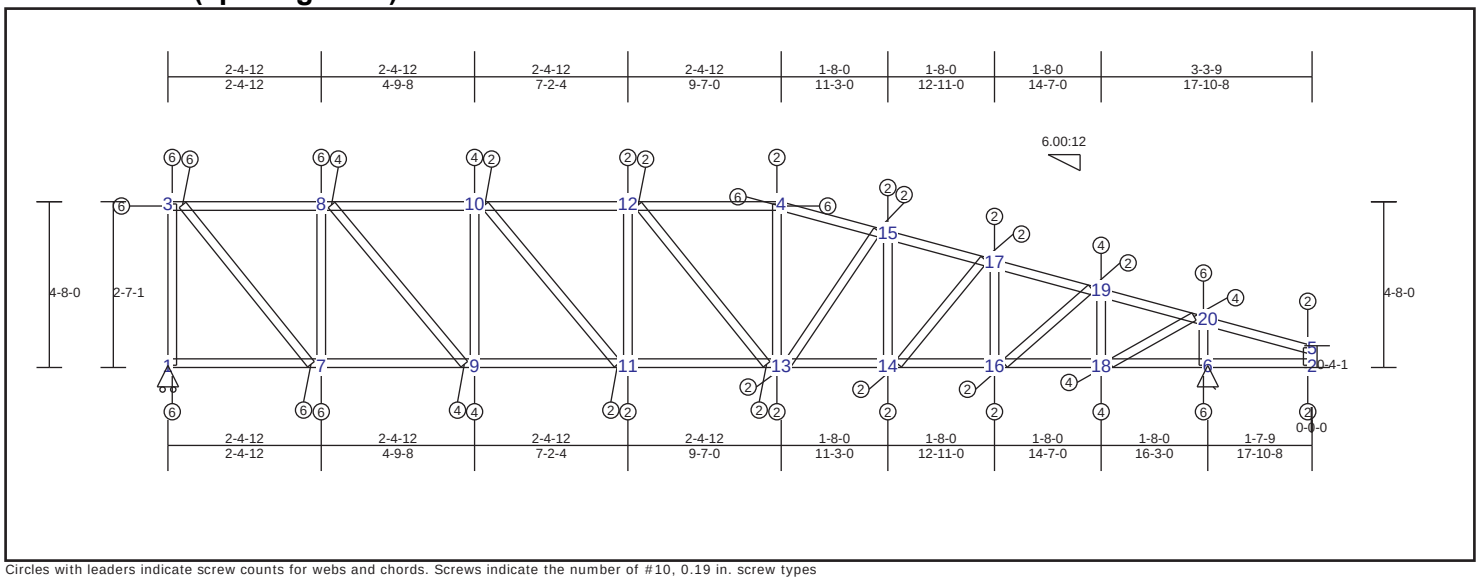
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
9-14	0.60	-355 lbs	-355 lbs	1-13	0.49	133 lbs	-94 lbs	1-9	0.21	-835 lbs	-835 lbs
14-15	0.42	-356 lbs	-356 lbs	2-13	0.49	133 lbs	-94 lbs	13-14	0.26	-1014 lbs	-1014 lbs
15-16	0.42	-523 lbs	-523 lbs	6-24	0.30	-549 lbs	-549 lbs	2-3	0.10	169 lbs	-116 lbs
16-18	0.28	-711 lbs	-711 lbs	12-24	0.36	-549 lbs	-549 lbs	3-15	0.25	-921 lbs	-921 lbs
10-18	0.28	-782 lbs	-782 lbs	8-12	0.30	0 lbs	0 lbs	4-16	0.12	-670 lbs	-670 lbs
10-21	0.40	-1254 lbs	-1254 lbs	3-4	0.44	607 lbs	-431 lbs	17-18	0.07	-392 lbs	-392 lbs
21-22	0.34	-1513 lbs	-1513 lbs	5-7	0.30	1339 lbs	-1256 lbs	10-19	0.03	235 lbs	-160 lbs
22-23	0.37	-1513 lbs	-1513 lbs	4-17	0.33	711 lbs	-496 lbs	20-21	0.04	260 lbs	-260 lbs
23-25	0.38	-1474 lbs	-1474 lbs	17-19	0.19	782 lbs	-586 lbs	5-22	0.05	-343 lbs	-343 lbs
25-26	0.47	-1188 lbs	-1188 lbs	19-20	0.32	1082 lbs	-890 lbs	6-7	0.24	-410 lbs	-410 lbs
11-26	0.29	64 lbs	-3 lbs	5-20	0.39	1397 lbs	-1254 lbs	7-23	0.26	-716 lbs	-716 lbs
								24-25	0.12	-872 lbs	-872 lbs
								8-11	0.01	68 lbs	-8 lbs
								12-26	0.11	-875 lbs	-875 lbs
								3-14	0.13	875 lbs	-617 lbs
								7-25	0.08	802 lbs	-631 lbs
								7-24	0.09	-671 lbs	-671 lbs
								3-13	0.01	125 lbs	-88 lbs
								9-13	0.17	933 lbs	-663 lbs
								16-17	0.08	488 lbs	-387 lbs
								18-19	0.05	-236 lbs	-236 lbs
								10-20	0.13	-636 lbs	-636 lbs
								20-22	0.06	476 lbs	-411 lbs
								24-26	0.06	615 lbs	-264 lbs
								4-15	0.12	902 lbs	-632 lbs
								5-23	0.05	519 lbs	-342 lbs

TRUSS TA26 (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 (3 - 8)	TL(V): 0.02 in.	L / 999	(12-4)	L / 90
BC :	0.55 (1 - 7)	LL(V): 0.02 in.	L / 999	(12-4)	L / 90
Web :	0.23 (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: -0.01 in.		15	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(20-5)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 999	(20-5)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	780 lbs	0 lbs	-440 lbs	0 lbs
6	Fixed		-320 lbs	940 lbs	0 lbs	-470 lbs	-320 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
4-8-0	17-10-8

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

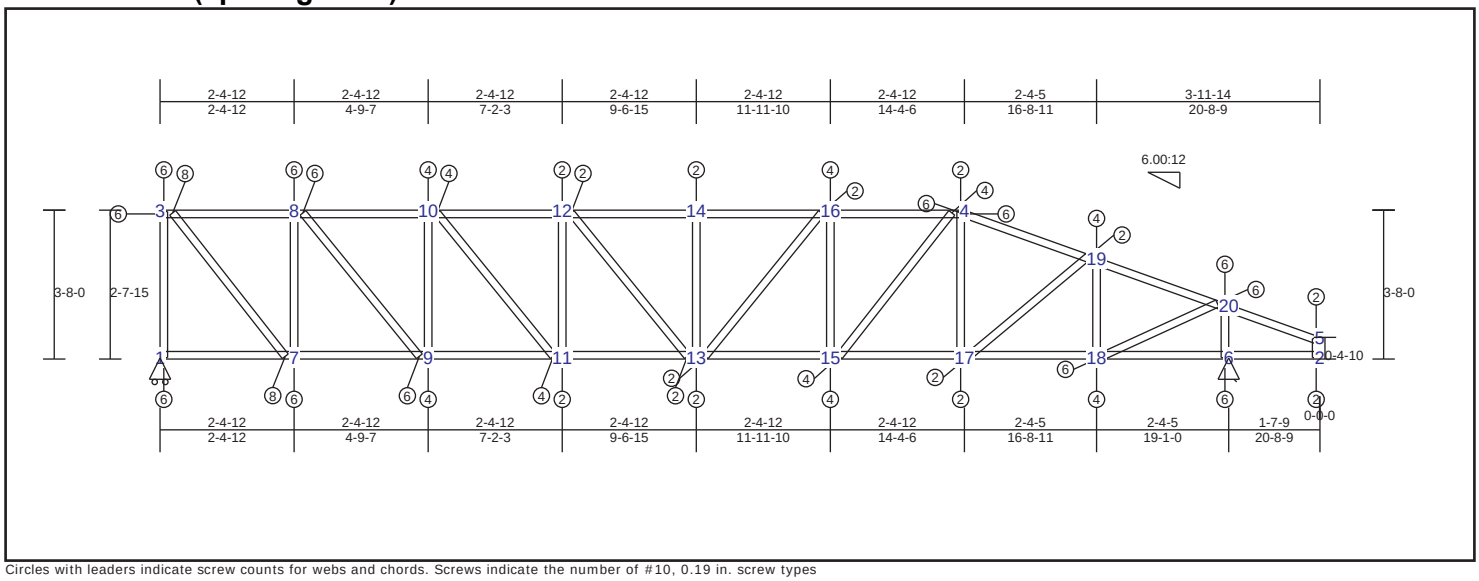
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-8	0.75	-350 lbs	-350 lbs	1-7	0.55	350 lbs	-256 lbs	1-3	0.23	-793 lbs	-793 lbs
8-10	0.57	-584 lbs	-584 lbs	7-9	0.55	584 lbs	-425 lbs	7-8	0.23	-809 lbs	-809 lbs
10-12	0.36	-696 lbs	-696 lbs	9-11	0.27	696 lbs	-503 lbs	9-10	0.13	-451 lbs	-451 lbs
4-12	0.34	-696 lbs	-696 lbs	11-13	0.18	696 lbs	-503 lbs	11-12	0.06	-209 lbs	-209 lbs
4-15	0.24	-783 lbs	-783 lbs	13-14	0.21	734 lbs	-561 lbs	4-13	0.04	216 lbs	-150 lbs
15-17	0.25	-828 lbs	-828 lbs	14-16	0.15	734 lbs	-602 lbs	14-15	0.03	-112 lbs	-112 lbs
17-19	0.29	-828 lbs	-828 lbs	16-18	0.35	725 lbs	-602 lbs	16-17	0.05	-209 lbs	-209 lbs
19-20	0.57	-757 lbs	-757 lbs	6-18	0.51	558 lbs	-544 lbs	18-19	0.11	-532 lbs	-532 lbs
5-20	0.32	62 lbs	-6 lbs	2-6	0.42	0 lbs	0 lbs	2-5	0.01	72 lbs	-12 lbs
								6-20	0.17	-901 lbs	-901 lbs
								3-7	0.20	875 lbs	-640 lbs
								8-9	0.13	569 lbs	-411 lbs
								10-11	0.07	271 lbs	-226 lbs
								12-13	0.03	-96 lbs	-96 lbs
								13-15	0.04	239 lbs	-157 lbs
								14-17	0.01	118 lbs	-29 lbs
								16-19	0.04	318 lbs	-146 lbs
								18-20	0.09	703 lbs	-328 lbs

TRUSS TA27 (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 (3 - 8)	TL(V): 0.05 in.	L / 999	(12-14)	L / 90
BC :	0.66 (1 - 7)	LL(V): 0.04 in.	L / 999	(12-14)	L / 90
Web :	0.23 (7 - 8)	DL(V): 0.02 in.	L / 999	(11-13)	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.		4	
		Web :			
		Snow/Wind -0.05 in.	L / 999	(12-14)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 0	(20-5)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	910 lbs	0 lbs	-550 lbs	0 lbs
6	Fixed		-250 lbs	1080 lbs	0 lbs	-640 lbs	-250 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
3-8-0	20-8-9

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

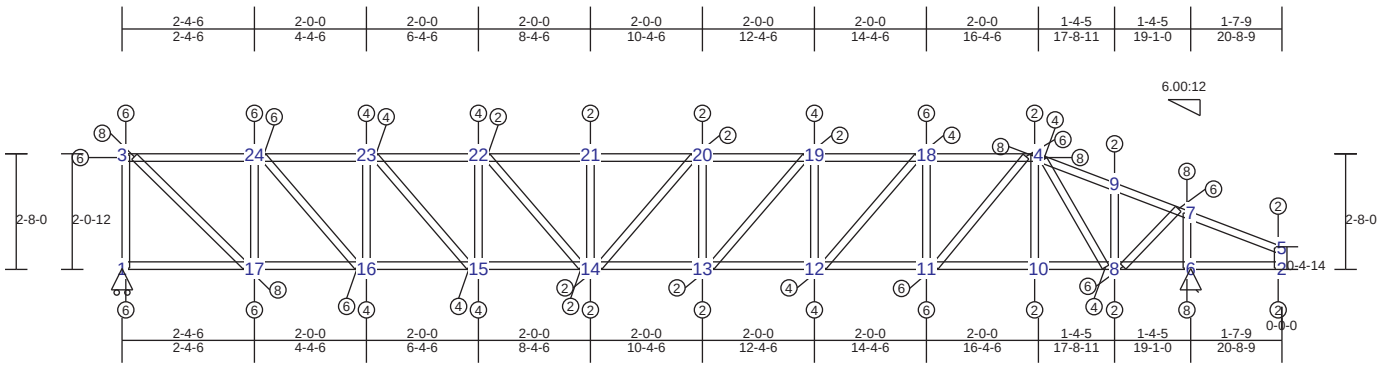
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
4-19	0.45	-1041 lbs	-1041 lbs	1-7	0.66	535 lbs	-414 lbs	1-3	0.22	-928 lbs	-928 lbs
19-20	0.66	-1002 lbs	-1002 lbs	7-9	0.66	924 lbs	-719 lbs	7-8	0.23	-967 lbs	-967 lbs
5-20	0.37	66 lbs	-3 lbs	9-11	0.36	1154 lbs	-905 lbs	9-10	0.15	-603 lbs	-603 lbs
3-8	0.88	-535 lbs	-535 lbs	11-13	0.28	1230 lbs	-975 lbs	11-12	0.09	-353 lbs	-353 lbs
8-10	0.67	-924 lbs	-924 lbs	13-15	0.31	1230 lbs	-975 lbs	13-14	0.05	-196 lbs	-196 lbs
10-12	0.47	-1154 lbs	-1154 lbs	15-17	0.31	1149 lbs	-929 lbs	15-16	0.10	-415 lbs	-415 lbs
12-14	0.45	-1230 lbs	-1230 lbs	17-18	0.31	907 lbs	-759 lbs	4-17	0.02	-100 lbs	-100 lbs
14-16	0.52	-1230 lbs	-1230 lbs	6-18	0.52	788 lbs	-716 lbs	18-19	0.10	-466 lbs	-466 lbs
4-16	0.65	-1149 lbs	-1149 lbs	2-6	0.44	0 lbs	0 lbs	2-5	0.01	75 lbs	-7 lbs
								6-20	0.20	-1042 lbs	-1042 lbs
								3-7	0.22	1093 lbs	-845 lbs
								8-9	0.16	777 lbs	-609 lbs
								10-11	0.10	458 lbs	-370 lbs
								12-13	0.04	151 lbs	-140 lbs
								13-16	0.02	160 lbs	-93 lbs
								4-15	0.09	496 lbs	-346 lbs
								17-19	0.02	183 lbs	-67 lbs
								18-20	0.12	872 lbs	-557 lbs

TRUSS TA28 (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 (18 - 4)	TL(V): 0.08 in.	L / 999	(14-13)	L / 90
BC :	0.66 (1 - 17)	LL(V): 0.05 in.	L / 999	(14-13)	L / 90
Web :	0.21 (6 - 7)	DL(V): 0.03 in.	L / 999	(14-13)	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.		4	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(14-13)	L / 90
		Cant (Snow/Wind) -0.03 in.	L / 0	(7-5)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	910 lbs	0 lbs	-540 lbs	0 lbs
6	Fixed		-170 lbs	1080 lbs	0 lbs	-650 lbs	-170 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-8-0	20-8-9

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

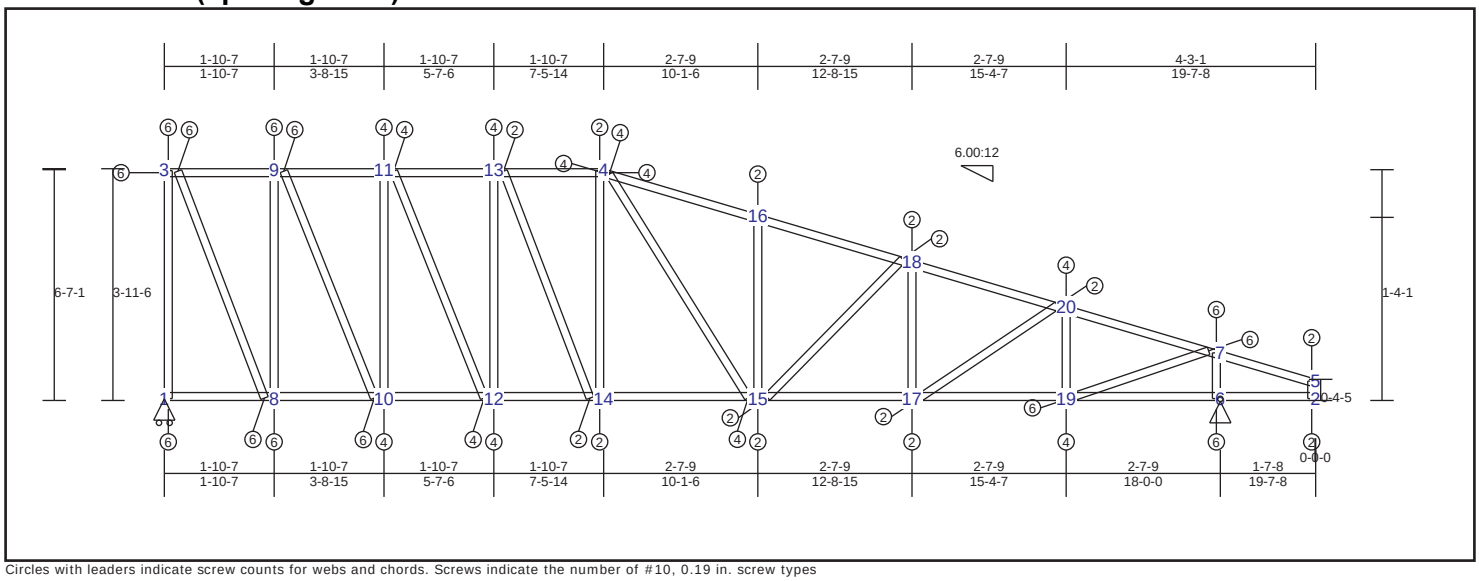
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
4-9	0.37	-1054 lbs	-1054 lbs	1-17	0.66	730 lbs	-556 lbs	1-3	0.19	-920 lbs	-920 lbs
7-9	0.69	-626 lbs	-626 lbs	16-17	0.66	1197 lbs	-915 lbs	8-9	0.03	-161 lbs	-161 lbs
5-7	0.41	65 lbs	-3 lbs	15-16	0.39	1509 lbs	-1157 lbs	6-7	0.21	-1111 lbs	-1111 lbs
3-24	0.85	-730 lbs	-730 lbs	14-15	0.34	1671 lbs	-1286 lbs	2-5	0.01	70 lbs	-7 lbs
23-24	0.65	-1197 lbs	-1197 lbs	13-14	0.31	1680 lbs	-1301 lbs	4-10	0.01	84 lbs	-39 lbs
22-23	0.50	-1509 lbs	-1509 lbs	12-13	0.31	1680 lbs	-1301 lbs	17-24	0.21	-979 lbs	-979 lbs
21-22	0.50	-1671 lbs	-1671 lbs	11-12	0.50	1541 lbs	-1205 lbs	16-23	0.14	-642 lbs	-642 lbs
20-21	0.41	-1680 lbs	-1680 lbs	10-11	0.50	1244 lbs	-992 lbs	15-22	0.09	-444 lbs	-444 lbs
19-20	0.47	-1680 lbs	-1680 lbs	8-10	0.42	799 lbs	-666 lbs	14-21	0.04	-175 lbs	-175 lbs
18-19	0.61	-1541 lbs	-1541 lbs	6-8	0.55	556 lbs	-508 lbs	13-20	0.03	-165 lbs	-165 lbs
4-18	0.90	-1244 lbs	-1244 lbs	2-6	0.40	0 lbs	0 lbs	12-19	0.08	-387 lbs	-387 lbs
								11-18	0.15	-731 lbs	-731 lbs
								7-8	0.11	880 lbs	-565 lbs
								4-8	0.13	-606 lbs	-606 lbs
								4-11	0.14	837 lbs	-613 lbs
								3-17	0.21	1192 lbs	-908 lbs
								16-24	0.15	852 lbs	-654 lbs
								15-23	0.10	569 lbs	-441 lbs
								14-22	0.05	296 lbs	-236 lbs
								13-19	0.04	254 lbs	-175 lbs
								14-20	0.00	28 lbs	-18 lbs
								12-18	0.09	541 lbs	-390 lbs

TRUSS TB01 (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 (3 - 9)	TL(V): 0.06 in.	L / 999	(4-16)	L / 90
BC :	0.69 (1 - 8)	LL(V): 0.04 in.	L / 999	(4-16)	L / 90
Web :	0.46 (8 - 9)	DL(V): 0.02 in.	L / 999	(4-16)	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.		16	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(6-2)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 649	(6-2)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	880 lbs	0 lbs	-460 lbs	0 lbs
6	Pin		-460 lbs	1010 lbs	0 lbs	-500 lbs	-460 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-7-1	19-7-8

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

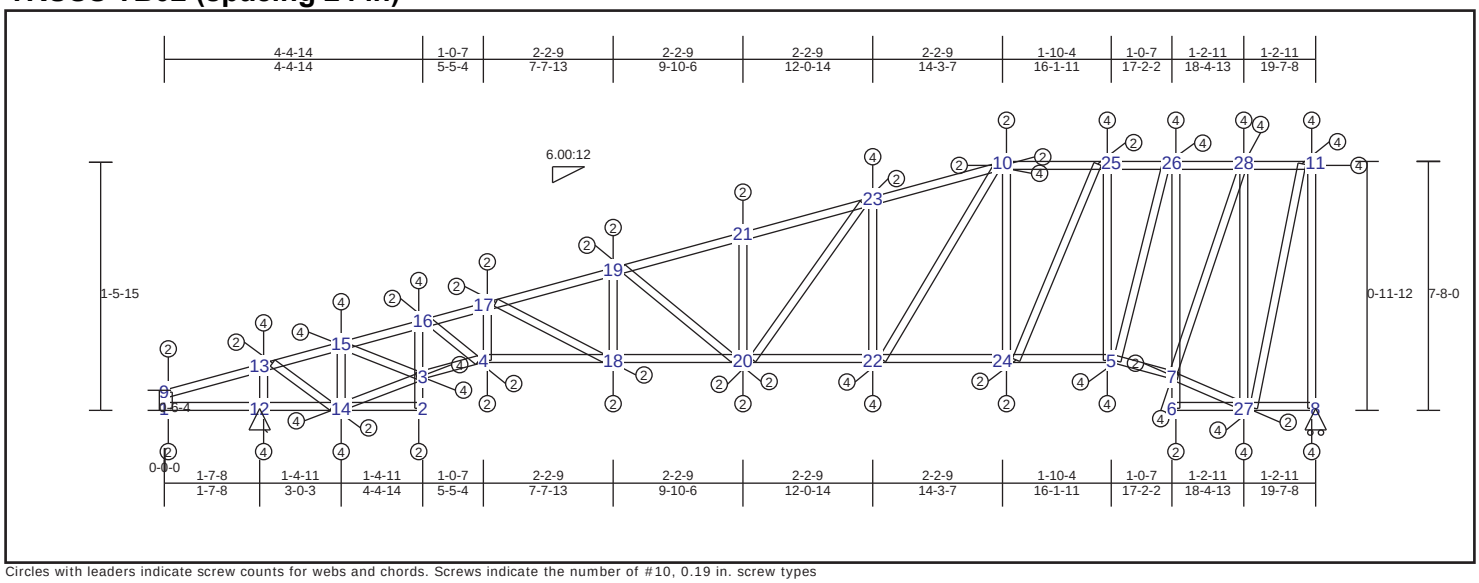
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-9	0.86	-221 lbs	-221 lbs	1-8	0.69	221 lbs	-116 lbs	1-3	0.41	-905 lbs	-905 lbs
9-11	0.63	-401 lbs	-401 lbs	8-10	0.69	401 lbs	-210 lbs	8-9	0.46	-1020 lbs	-1020 lbs
11-13	0.42	-526 lbs	-526 lbs	10-12	0.42	526 lbs	-292 lbs	10-11	0.31	-694 lbs	-694 lbs
4-13	0.33	-593 lbs	-593 lbs	12-14	0.31	593 lbs	-353 lbs	12-13	0.22	-492 lbs	-492 lbs
4-16	0.52	-911 lbs	-911 lbs	14-15	0.34	773 lbs	-509 lbs	4-14	0.12	291 lbs	-263 lbs
16-18	0.45	-911 lbs	-911 lbs	15-17	0.37	873 lbs	-624 lbs	15-16	0.09	-279 lbs	-279 lbs
18-20	0.44	-954 lbs	-954 lbs	17-19	0.26	873 lbs	-653 lbs	17-18	0.01	-55 lbs	-55 lbs
7-20	0.64	-931 lbs	-931 lbs	6-19	0.43	801 lbs	-653 lbs	19-20	0.08	-393 lbs	-393 lbs
5-7	0.37	62 lbs	-2 lbs	2-6	0.33	0 lbs	0 lbs	6-7	0.19	-977 lbs	-977 lbs
								2-5	0.01	58 lbs	-4 lbs
								3-8	0.25	1007 lbs	-527 lbs
								9-10	0.21	782 lbs	-434 lbs
								11-12	0.17	545 lbs	-360 lbs
								13-14	0.13	302 lbs	-275 lbs
								4-15	0.23	522 lbs	-454 lbs
								15-18	0.06	229 lbs	-201 lbs
								17-20	0.01	122 lbs	-29 lbs
								7-19	0.10	805 lbs	-228 lbs

TRUSS TB02 (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 :	0.68 (28 - 11)	TL(V): 0.07 in.	L / 999	(21-23)	L / 90
BC :	0.56 (6 - 27)	LL(V): 0.05 in.	L / 999	(21-23)	L / 90
Web :	0.49 (7 - 26)	DL(V): 0.02 in.	L / 999	(21-23)	L / 0
		Cant / OH TL: 0.05 in.	2L / 999	(21-23)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 999	(21-23)	2L / 90
		Horiz TL: 0.03 in.		8	
		Web :			
		Snow/Wind -0.07 in.	L / 999	(18-20)	L / 90
		Cant (Snow/Wind) -0.07 in.	L / 999	(18-20)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
8	HRoll		0 lbs	880 lbs	0 lbs	-480 lbs	0 lbs
12	Fixed		530 lbs	1010 lbs	0 lbs	-490 lbs	530 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-8-9	19-7-8

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

Material Design Pass

Member Forces Summary

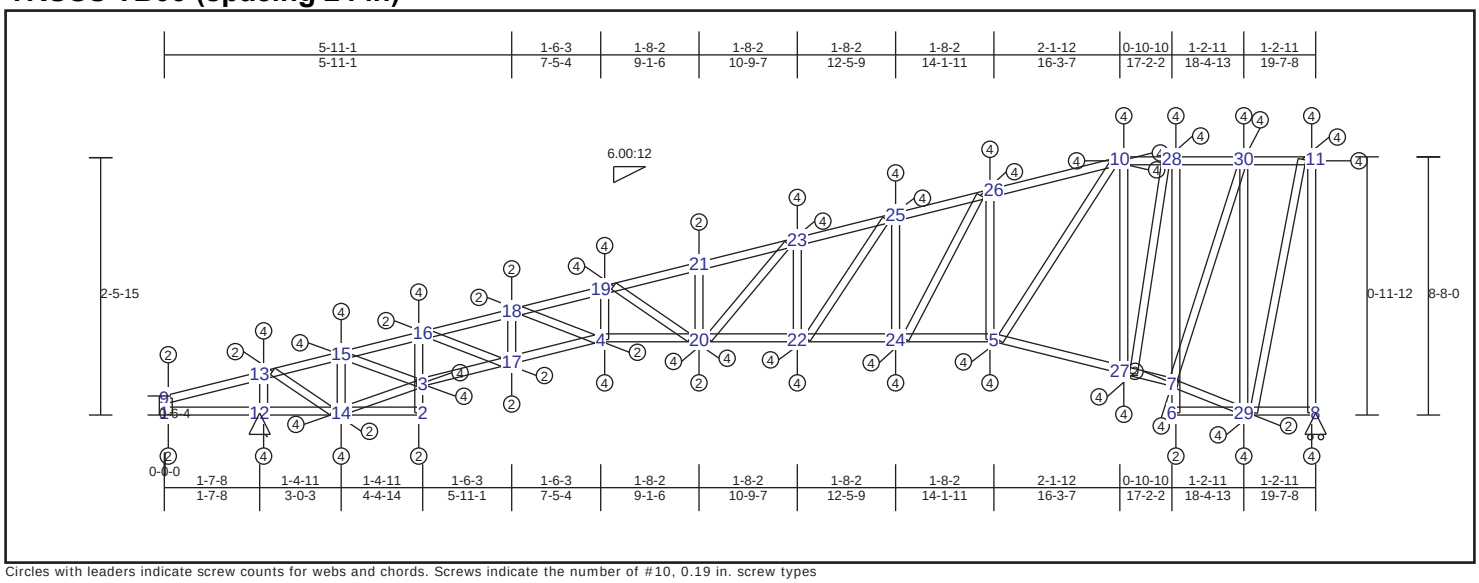
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
9-13	0.33	66 lbs	-3 lbs	1-12	0.30	0 lbs	0 lbs
13-15	0.50	-1305 lbs	-1305 lbs	12-14	0.37	-694 lbs	-694 lbs
15-16	0.42	-1644 lbs	-1644 lbs	2-14	0.34	-694 lbs	-694 lbs
16-17	0.44	-1722 lbs	-1722 lbs	6-27	0.56	112 lbs	-81 lbs
17-19	0.38	-1722 lbs	-1722 lbs	8-27	0.52	112 lbs	-81 lbs
19-21	0.34	-1215 lbs	-1215 lbs	4-18	0.31	1631 lbs	-1622 lbs
21-23	0.45	-1169 lbs	-1169 lbs	18-20	0.41	1311 lbs	-1219 lbs
10-23	0.38	-946 lbs	-946 lbs	20-22	0.41	1042 lbs	-931 lbs
10-25	0.34	-541 lbs	-541 lbs	22-24	0.40	794 lbs	-683 lbs
25-26	0.44	-413 lbs	-413 lbs	5-24	0.38	541 lbs	-439 lbs
26-28	0.45	-285 lbs	-285 lbs	3-4	0.36	-1599 lbs	-1599 lbs
11-28	0.68	-112 lbs	-112 lbs	5-7	0.45	610 lbs	-468 lbs

Web			
1-9	0.01	69 lbs	-6 lbs
14-15	0.13	-972 lbs	-972 lbs
2-3	0.30	-503 lbs	-503 lbs
3-16	0.33	-834 lbs	-834 lbs
4-17	0.05	-358 lbs	-358 lbs
18-19	0.06	-410 lbs	-410 lbs
20-21	0.03	-181 lbs	-181 lbs
22-23	0.17	-790 lbs	-790 lbs
10-24	0.15	-514 lbs	-514 lbs
5-25	0.22	-783 lbs	-783 lbs
6-7	0.15	157 lbs	-109 lbs
7-26	0.49	-980 lbs	-980 lbs
27-28	0.45	-1106 lbs	-1106 lbs
8-11	0.38	-937 lbs	-937 lbs
12-13	0.12	-929 lbs	-929 lbs
3-15	0.11	915 lbs	-787 lbs
3-14	0.11	-834 lbs	-834 lbs
7-27	0.01	88 lbs	-62 lbs
7-28	0.24	953 lbs	-732 lbs
13-14	0.06	660 lbs	-270 lbs
17-18	0.06	555 lbs	-441 lbs
19-20	0.08	522 lbs	-486 lbs
20-23	0.16	688 lbs	-687 lbs
10-22	0.24	821 lbs	-790 lbs
11-27	0.31	1038 lbs	-757 lbs

Web			
4-16	0.07	649 lbs	-496 lbs
24-25	0.16	579 lbs	-543 lbs
5-26	0.23	947 lbs	-773 lbs

TRUSS TB03 (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 :	0.68 (30 - 11)	TL(V): 0.11 in.	L / 999	(21-23)	L / 90
BC :	0.68 (4 - 20)	LL(V): 0.07 in.	L / 999	(21-23)	L / 90
Web :	0.56 (30 - 29)	DL(V): 0.04 in.	L / 999	(21-23)	L / 0
		Cant / OH TL: 0.07 in.	2L / 999	(21-23)	2L / 90
		Cant / OH LL: 0.07 in.	2L / 999	(21-23)	2L / 90
		Horiz TL: 0.06 in.		8	
		Web :			
		Snow/Wind -0.11 in.	L / 999	(21-23)	L / 90
		Cant (Snow/Wind) -0.11 in.	L / 999	(21-23)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
8	HRoll		0 lbs	890 lbs	0 lbs	-550 lbs	0 lbs
12	Fixed		610 lbs	1010 lbs	0 lbs	-470 lbs	610 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-8-9	19-7-8

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

Material Design Pass

Member Forces Summary

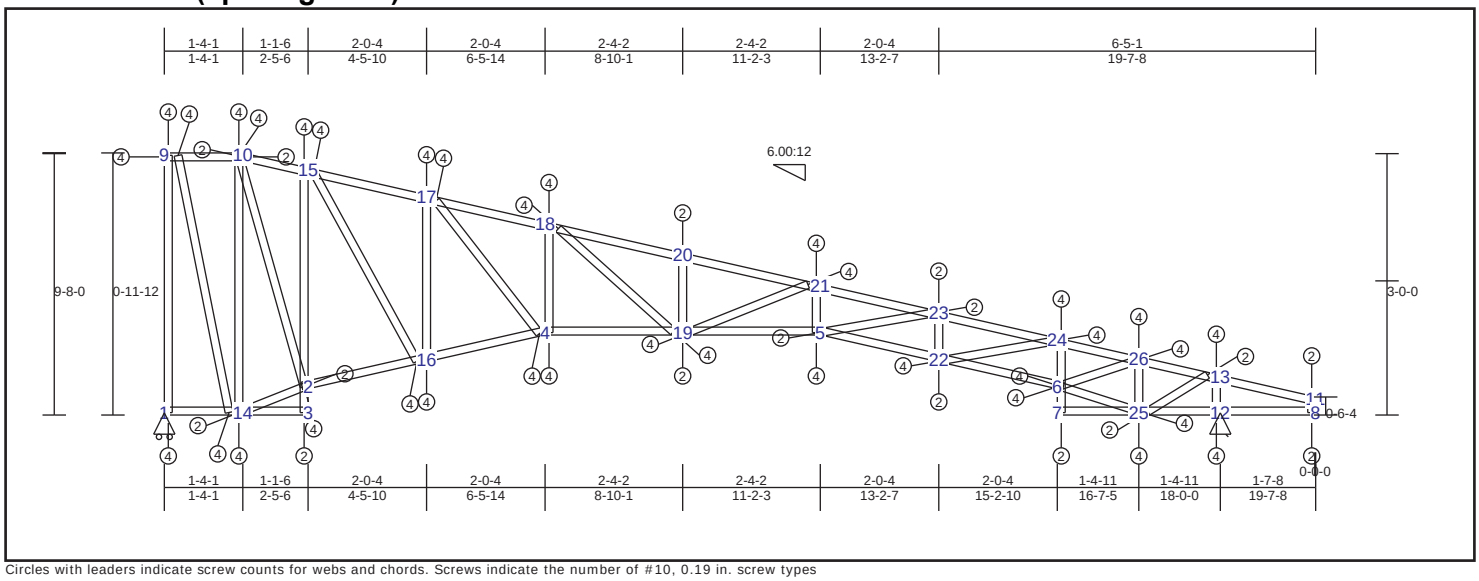
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
9-13	0.36	67 lbs	-2 lbs	1-12	0.29	0 lbs	0 lbs
13-15	0.52	-1270 lbs	-1270 lbs	12-14	0.54	-720 lbs	-720 lbs
15-16	0.39	-1592 lbs	-1592 lbs	2-14	0.36	-720 lbs	-720 lbs
16-18	0.52	-2157 lbs	-2157 lbs	6-29	0.57	99 lbs	-79 lbs
18-19	0.56	-2331 lbs	-2331 lbs	8-29	0.52	99 lbs	-79 lbs
19-21	0.55	-2331 lbs	-2331 lbs	3-17	0.36	-1822 lbs	-1822 lbs
21-23	0.47	-1744 lbs	-1744 lbs	4-17	0.43	2227 lbs	-2208 lbs
23-25	0.37	-1389 lbs	-1389 lbs	4-20	0.68	2128 lbs	-2075 lbs
25-26	0.46	-1063 lbs	-1063 lbs	20-22	0.57	1585 lbs	-1501 lbs
10-26	0.55	-850 lbs	-850 lbs	22-24	0.44	1224 lbs	-1135 lbs
10-28	0.39	-321 lbs	-321 lbs	5-24	0.47	932 lbs	-848 lbs
28-30	0.45	-258 lbs	-258 lbs	5-27	0.62	414 lbs	-351 lbs
11-30	0.68	-99 lbs	-99 lbs	7-27	0.51	574 lbs	-485 lbs

Web			
1-9	0.01	69 lbs	-4 lbs
14-15	0.13	-963 lbs	-963 lbs
2-3	0.32	-525 lbs	-525 lbs
3-16	0.34	-798 lbs	-798 lbs
17-18	0.09	-694 lbs	-694 lbs
4-19	0.12	-921 lbs	-921 lbs
20-21	0.01	-95 lbs	-95 lbs
22-23	0.15	920 lbs	-909 lbs
24-25	0.16	-849 lbs	-849 lbs
5-26	0.22	-986 lbs	-986 lbs
10-27	0.36	-977 lbs	-977 lbs
6-7	0.05	179 lbs	-141 lbs
7-28	0.56	-904 lbs	-904 lbs
29-30	0.56	-1128 lbs	-1128 lbs
8-11	0.47	-944 lbs	-944 lbs
12-13	0.12	-884 lbs	-884 lbs
3-15	0.11	918 lbs	-813 lbs
3-14	0.12	-865 lbs	-865 lbs
7-30	0.36	1002 lbs	-859 lbs
7-29	0.01	119 lbs	-100 lbs
13-14	0.06	599 lbs	-193 lbs
16-17	0.08	698 lbs	-566 lbs
4-18	0.04	410 lbs	-296 lbs
19-20	0.13	973 lbs	-921 lbs
20-23	0.16	-950 lbs	-950 lbs

Web			
22-25	0.17	929 lbs	-915 lbs
24-26	0.20	917 lbs	-880 lbs
11-29	0.42	1036 lbs	-832 lbs
27-28	0.29	829 lbs	-750 lbs
5-10	0.35	1238 lbs	-1151 lbs

TRUSS TB04 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.69 (9 - 10)	TL(V): 0.13 in.	L / 451	(19-5)	L / 90
BC :	0.73 (19 - 5)	LL(V): 0.08 in.	L / 694	(19-5)	L / 90
Web :	0.65 (2 - 15)	DL(V): 0.04 in.	L / 999	(19-5)	L / 0
		Cant / OH TL: 0.08 in.	2L / 895	(19-5)	2L / 90
		Cant / OH LL: 0.08 in.	2L / 895	(19-5)	2L / 90
		Horiz TL: -0.07 in.		1	
		Web :			
		Snow/Wind -0.13 in.	L / 437	(19-5)	L / 90
		Cant (Snow/Wind) -0.13 in.	L / 564	(19-5)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	900 lbs	0 lbs	-630 lbs	0 lbs
12	Fixed		-680 lbs	1010 lbs	0 lbs	-440 lbs	-680 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
9-8-9	19-7-8

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

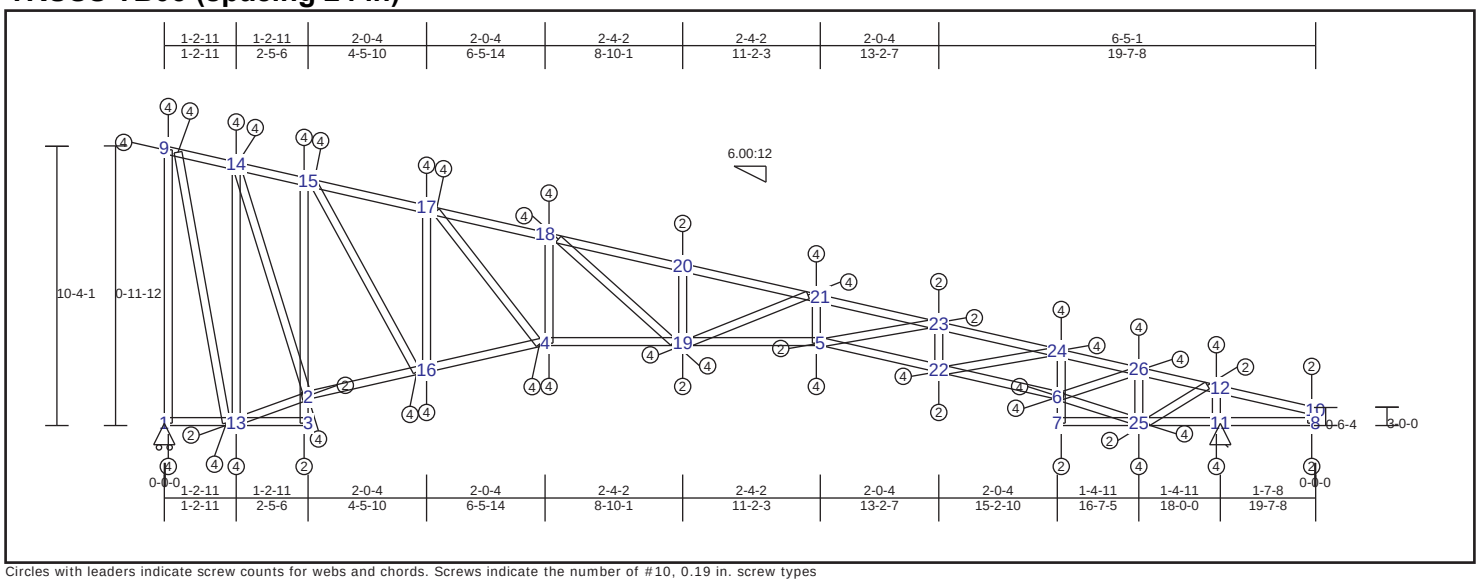
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
9-10	0.69	-232 lbs	-232 lbs	2-16	0.52	292 lbs	-261 lbs	1-9	0.56	-952 lbs	-952 lbs
10-15	0.46	-305 lbs	-305 lbs	4-16	0.70	628 lbs	-578 lbs	10-14	0.65	-1112 lbs	-1112 lbs
15-17	0.45	-613 lbs	-613 lbs	4-19	0.58	1451 lbs	-1385 lbs	2-3	0.14	146 lbs	-122 lbs
17-18	0.56	-1110 lbs	-1110 lbs	5-19	0.73	2319 lbs	-2281 lbs	2-15	0.65	-1077 lbs	-1077 lbs
18-20	0.51	-1601 lbs	-1601 lbs	5-22	0.43	2477 lbs	-2465 lbs	16-17	0.35	-1266 lbs	-1266 lbs
20-21	0.60	-2542 lbs	-2542 lbs	6-22	0.37	-2058 lbs	-2058 lbs	4-18	0.18	-988 lbs	-988 lbs
21-23	0.61	-2542 lbs	-2542 lbs	1-14	0.57	94 lbs	-84 lbs	19-20	0.03	-166 lbs	-166 lbs
23-24	0.56	-2297 lbs	-2297 lbs	3-14	0.31	94 lbs	-84 lbs	5-21	0.14	-1049 lbs	-1049 lbs
24-26	0.39	-1579 lbs	-1579 lbs	7-25	0.37	-767 lbs	-767 lbs	22-23	0.08	-598 lbs	-598 lbs
13-26	0.52	-1264 lbs	-1264 lbs	12-25	0.58	-767 lbs	-767 lbs	6-7	0.34	-569 lbs	-569 lbs
11-13	0.36	68 lbs	-2 lbs	8-12	0.30	0 lbs	0 lbs	6-24	0.36	-779 lbs	-779 lbs
								25-26	0.13	-975 lbs	-975 lbs
								8-11	0.01	71 lbs	-4 lbs
								12-13	0.11	-876 lbs	-876 lbs
								6-26	0.11	927 lbs	-835 lbs
								6-25	0.12	-933 lbs	-933 lbs
								2-14	0.01	67 lbs	-56 lbs
								2-10	0.50	1071 lbs	-989 lbs
								15-16	0.40	1115 lbs	-1043 lbs
								4-17	0.31	1387 lbs	-1325 lbs
								18-19	0.20	1075 lbs	-1059 lbs
								19-21	0.17	1193 lbs	-1157 lbs
								5-23	0.04	368 lbs	-264 lbs
								22-24	0.09	761 lbs	-621 lbs
								13-25	0.06	585 lbs	-150 lbs
								9-14	0.55	1048 lbs	-937 lbs

TRUSS TB05 (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 :	0.66 (9 - 14)	TL(V): 0.13 in.	L / 999	(18-20)	L / 90
BC :	0.86 (19 - 5)	LL(V): 0.08 in.	L / 999	(18-20)	L / 90
Web :	0.67 (13 - 14)	DL(V): 0.04 in.	L / 999	(19-5)	L / 0
		Cant / OH TL: 0.08 in.	2L / 379	(18-20)	2L / 90
		Cant / OH LL: 0.08 in.	2L / 379	(18-20)	2L / 90
		Horiz TL: -0.07 in.		1	
		Web :			
		Snow/Wind -0.13 in.	L / 429	(19-5)	L / 90
		Cant (Snow/Wind) -0.13 in.	L / 554	(19-5)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	910 lbs	0 lbs	-690 lbs	0 lbs
11	Fixed		-720 lbs	1000 lbs	0 lbs	-420 lbs	-720 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
10-4-4	19-7-8

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

Material Design Pass

Member Forces Summary

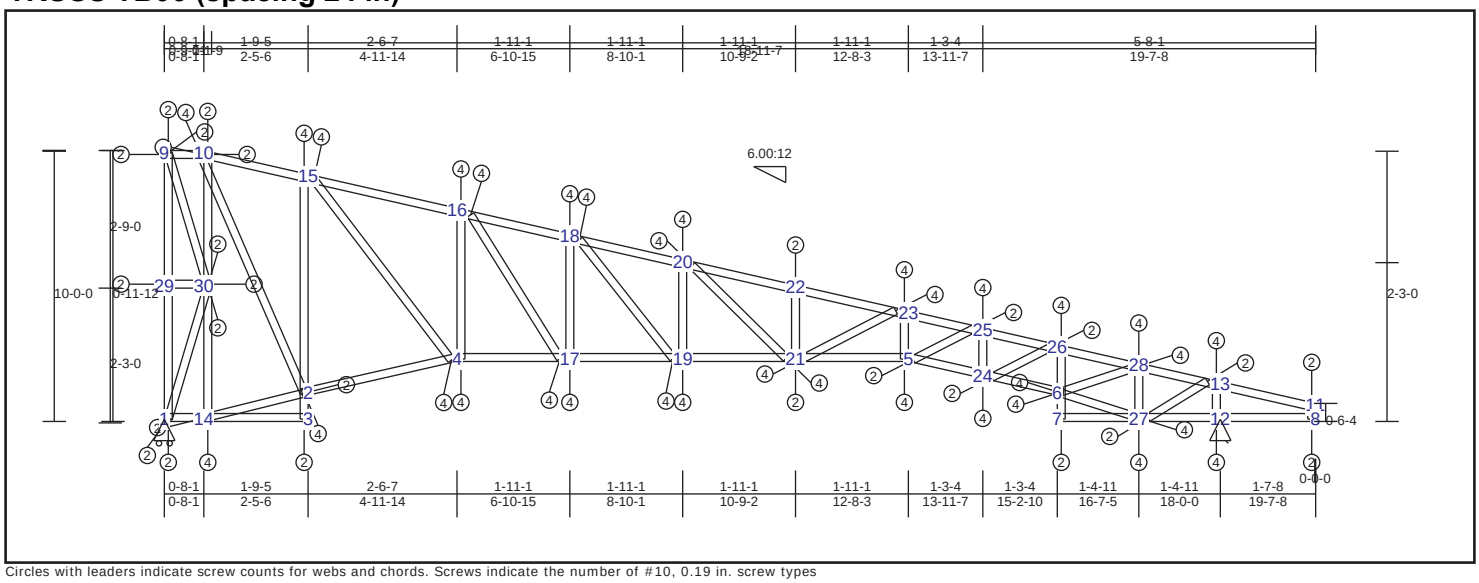
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
9-14	0.66	428 lbs	-397 lbs	2-16	0.52	615 lbs	-577 lbs
14-15	0.46	-305 lbs	-305 lbs	4-16	0.70	629 lbs	-586 lbs
15-17	0.44	-600 lbs	-600 lbs	4-19	0.58	1454 lbs	-1401 lbs
17-18	0.56	-1100 lbs	-1100 lbs	5-19	0.86	2324 lbs	-2309 lbs
18-20	0.51	-1592 lbs	-1592 lbs	5-22	0.44	-2497 lbs	-2497 lbs
20-21	0.60	-2536 lbs	-2536 lbs	6-22	0.38	-2093 lbs	-2093 lbs
21-23	0.61	-2536 lbs	-2536 lbs	1-13	0.61	88 lbs	-82 lbs
23-24	0.56	-2292 lbs	-2292 lbs	3-13	0.61	88 lbs	-82 lbs
24-26	0.39	-1574 lbs	-1574 lbs	7-25	0.37	-795 lbs	-795 lbs
12-26	0.52	-1259 lbs	-1259 lbs	11-25	0.59	-795 lbs	-795 lbs
10-12	0.36	68 lbs	-2 lbs	8-11	0.30	0 lbs	0 lbs

Web			
13-14	0.67	-1127 lbs	-1127 lbs
2-3	0.26	116 lbs	-100 lbs
2-15	0.46	-1081 lbs	-1081 lbs
16-17	0.35	-1266 lbs	-1266 lbs
4-18	0.18	-991 lbs	-991 lbs
19-20	0.03	-166 lbs	-166 lbs
5-21	0.14	-1067 lbs	-1067 lbs
22-23	0.08	-597 lbs	-597 lbs
6-7	0.35	-587 lbs	-587 lbs
6-24	0.37	-779 lbs	-779 lbs
25-26	0.13	-974 lbs	-974 lbs
8-10	0.01	71 lbs	-5 lbs
11-12	0.11	-868 lbs	-868 lbs
6-26	0.11	928 lbs	-839 lbs
2-14	0.50	1058 lbs	-985 lbs
2-13	0.00	5 lbs	0 lbs
6-25	0.13	-967 lbs	-967 lbs
1-9	0.62	-956 lbs	-956 lbs
9-13	0.64	1090 lbs	-1008 lbs
15-16	0.39	1100 lbs	-1036 lbs
4-17	0.31	1392 lbs	-1341 lbs

Web			
18-19	0.21	1077 lbs	-1070 lbs
19-21	0.17	1210 lbs	-1160 lbs
5-23	0.04	367 lbs	-261 lbs
22-24	0.09	760 lbs	-620 lbs
12-25	0.05	577 lbs	-121 lbs

TRUSS TB06 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.52 (23 - 25)	TL(V): 0.09 in.	L / 999	(20-22)	L / 90
BC :	0.65 (21 - 5)	LL(V): 0.06 in.	L / 999	(20-22)	L / 90
Web :	0.47 (2 - 15)	DL(V): 0.03 in.	L / 999	(20-22)	L / 0
		Cant / OH TL: 0.06 in.	2L / 999	(20-22)	2L / 90
		Cant / OH LL: 0.06 in.	2L / 999	(20-22)	2L / 90
		Horiz TL: -0.04 in.		1	
		Web :			
		Snow/Wind -0.09 in.	L / 999	(21-5)	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 999	(21-5)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	910 lbs	0 lbs	-660 lbs	0 lbs
12	Fixed		-700 lbs	1000 lbs	0 lbs	-430 lbs	-700 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
10-0-10	19-7-8

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

Material Design Pass

Member Forces Summary

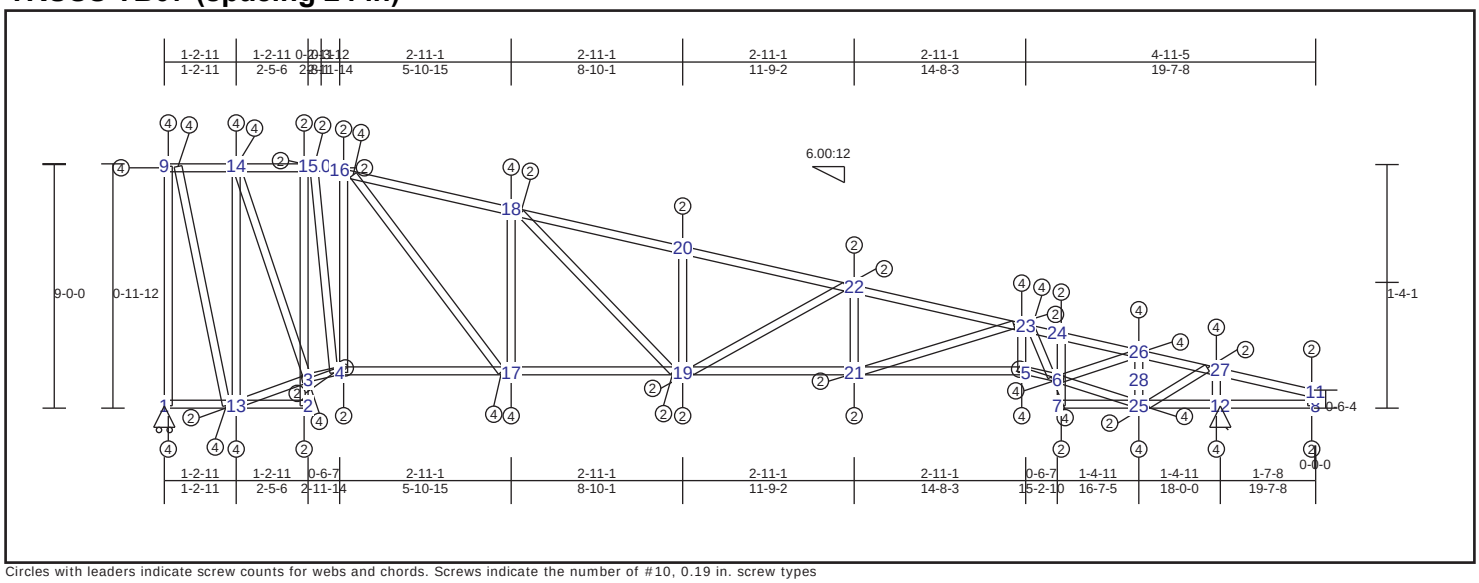
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
10-15	0.49	-626 lbs	-626 lbs	2-4	0.60	297 lbs	-270 lbs
15-16	0.42	-718 lbs	-718 lbs	5-24	0.46	-2215 lbs	-2215 lbs
16-18	0.46	-954 lbs	-954 lbs	6-24	0.38	-1843 lbs	-1843 lbs
18-20	0.36	-1278 lbs	-1278 lbs	4-17	0.46	854 lbs	-811 lbs
20-22	0.45	-1639 lbs	-1639 lbs	17-19	0.43	1151 lbs	-1109 lbs
22-23	0.52	-2206 lbs	-2206 lbs	19-21	0.54	1512 lbs	-1490 lbs
23-25	0.52	-2206 lbs	-2206 lbs	5-21	0.65	-2096 lbs	-2096 lbs
25-26	0.51	-2094 lbs	-2094 lbs	1-14	0.02	62 lbs	-56 lbs
26-28	0.39	-1610 lbs	-1610 lbs	3-14	0.02	62 lbs	-56 lbs
13-28	0.51	-1281 lbs	-1281 lbs	7-27	0.35	-803 lbs	-803 lbs
11-13	0.34	67 lbs	-3 lbs	12-27	0.48	-803 lbs	-803 lbs
9-10	0.02	-60 lbs	-60 lbs	8-12	0.31	0 lbs	0 lbs

Web			
2-3	0.14	18 lbs	-4 lbs
2-15	0.47	-1042 lbs	-1042 lbs
4-16	0.23	-956 lbs	-956 lbs
17-18	0.17	830 lbs	-828 lbs
19-20	0.14	868 lbs	-834 lbs
21-22	0.02	-143 lbs	-143 lbs
5-23	0.12	-866 lbs	-866 lbs
24-25	0.10	-765 lbs	-765 lbs
6-7	0.35	-589 lbs	-589 lbs
6-26	0.38	-812 lbs	-812 lbs
27-28	0.13	-982 lbs	-982 lbs
8-11	0.01	71 lbs	-6 lbs
12-13	0.12	-898 lbs	-898 lbs
6-28	0.11	920 lbs	-832 lbs
2-10	0.47	917 lbs	-853 lbs
2-14	0.00	24 lbs	-11 lbs
6-27	0.13	-975 lbs	-975 lbs
1-29	0.11	-453 lbs	-453 lbs
9-29	0.32	-453 lbs	-453 lbs
1-14	0.00	0 lbs	0 lbs
14-30	0.11	-448 lbs	-448 lbs
10-30	0.19	-872 lbs	-872 lbs
1-30	0.10	-462 lbs	-462 lbs
9-30	0.09	432 lbs	-393 lbs
29-30	0.00	2 lbs	-1 lbs

Web			
16-17	0.22	901 lbs	-876 lbs
18-19	0.18	-884 lbs	-884 lbs
20-21	0.16	-911 lbs	-911 lbs
21-23	0.12	917 lbs	-814 lbs
5-25	0.04	451 lbs	-334 lbs
24-26	0.08	701 lbs	-580 lbs
13-27	0.06	620 lbs	-171 lbs
4-15	0.40	1140 lbs	-1081 lbs

TRUSS TB07 (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 :	0.81 (16 - 18)	TL(V): 0.12 in.	L / 999	(16-18)	L / 90
BC :	0.56 (3 - 4)	LL(V): 0.08 in.	L / 999	(16-18)	L / 90
Web :	0.67 (13 - 14)	DL(V): 0.04 in.	L / 999	(16-18)	L / 0
		Cant / OH TL: 0.08 in.	2L / 536	(16-18)	2L / 90
		Cant / OH LL: 0.08 in.	2L / 536	(16-18)	2L / 90
		Horiz TL: -0.04 in.		2	
		Web :			
		Snow/Wind -0.12 in.	L / 999	(16-18)	L / 90
		Cant (Snow/Wind) -0.12 in.	L / 361	(16-18)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	890 lbs	0 lbs	-580 lbs	0 lbs
12	Fixed		-630 lbs	1000 lbs	0 lbs	-460 lbs	-630 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
9-0-9	19-7-8

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

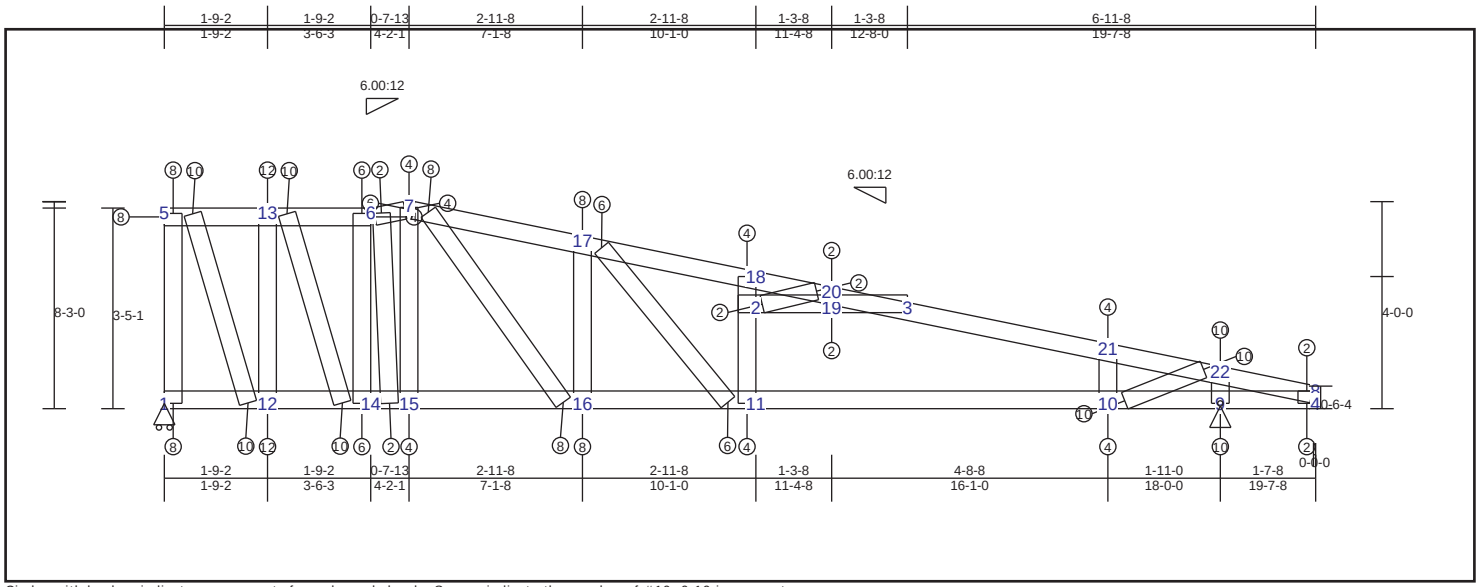
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
10-16	0.24	-230 lbs	-230 lbs	1-13	0.56	-190 lbs	-190 lbs	1-9	0.50	-941 lbs	-941 lbs
16-18	0.81	-761 lbs	-761 lbs	2-13	0.56	-190 lbs	-190 lbs	13-14	0.67	-1268 lbs	-1268 lbs
18-20	0.64	-999 lbs	-999 lbs	3-4	0.56	353 lbs	-301 lbs	2-3	0.64	326 lbs	-284 lbs
20-22	0.43	-1091 lbs	-1091 lbs	4-17	0.50	604 lbs	-554 lbs	3-15	0.64	-552 lbs	-552 lbs
22-23	0.36	-1804 lbs	-1804 lbs	17-19	0.50	898 lbs	-846 lbs	4-16	0.23	-582 lbs	-582 lbs
23-24	0.48	-1804 lbs	-1804 lbs	19-21	0.45	1198 lbs	-1174 lbs	17-18	0.26	-926 lbs	-926 lbs
24-26	0.26	-1359 lbs	-1359 lbs	5-21	0.43	-1613 lbs	-1613 lbs	19-20	0.05	228 lbs	-226 lbs
26-27	0.51	-1335 lbs	-1335 lbs	5-6	0.30	-1786 lbs	-1786 lbs	21-22	0.05	-293 lbs	-293 lbs
11-27	0.34	66 lbs	-3 lbs	7-25	0.35	-765 lbs	-765 lbs	5-23	0.11	-800 lbs	-800 lbs
9-14	0.68	-269 lbs	-269 lbs	12-25	0.43	-765 lbs	-765 lbs	6-7	0.39	-613 lbs	-613 lbs
14-15	0.31	-271 lbs	-271 lbs	8-12	0.30	0 lbs	0 lbs	6-24	0.39	-767 lbs	-767 lbs
10-15	0.25	-285 lbs	-285 lbs					25-26	0.14	-1049 lbs	-1049 lbs
								8-11	0.01	71 lbs	-6 lbs
								12-27	0.12	-914 lbs	-914 lbs
								3-14	0.46	1149 lbs	-1033 lbs
								3-13	0.04	362 lbs	-331 lbs
								6-25	0.14	-1016 lbs	-1016 lbs
								6-26	0.11	943 lbs	-848 lbs
								9-13	0.45	1022 lbs	-852 lbs
								16-17	0.40	986 lbs	-935 lbs
								18-19	0.23	733 lbs	-730 lbs
								19-22	0.09	517 lbs	-474 lbs
								21-23	0.06	529 lbs	-368 lbs
								25-27	0.06	647 lbs	-228 lbs
								4-15	0.12	308 lbs	-288 lbs
								6-24	0.10	-759 lbs	-759 lbs

TRUSS TB08 (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 (5 - 13)	TL(V): 0.22 in.	L / 952	(7-17)	L / 90
BC :	0.77 (1 - 12)	LL(V): 0.04 in.	L / 999	(7-17)	L / 90
Web :	0.52 (12 - 13)	DL(V): 0.18 in.	L / 999	(7-17)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(7-17)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(7-17)	2L / 90
		Horiz TL: -0.02 in.		3	
		Web :			
		Snow/Wind -0.05 in.	L / 999	(3-21)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 562	(3-21)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	2550 lbs	0 lbs	0 lbs	0 lbs
9	Pin		-540 lbs	3060 lbs	0 lbs	0 lbs	-540 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (96 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-2-3	19-7-8

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 = 46.00 psf; BC Live = 0.00 psf; BC Dead = 35.00 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

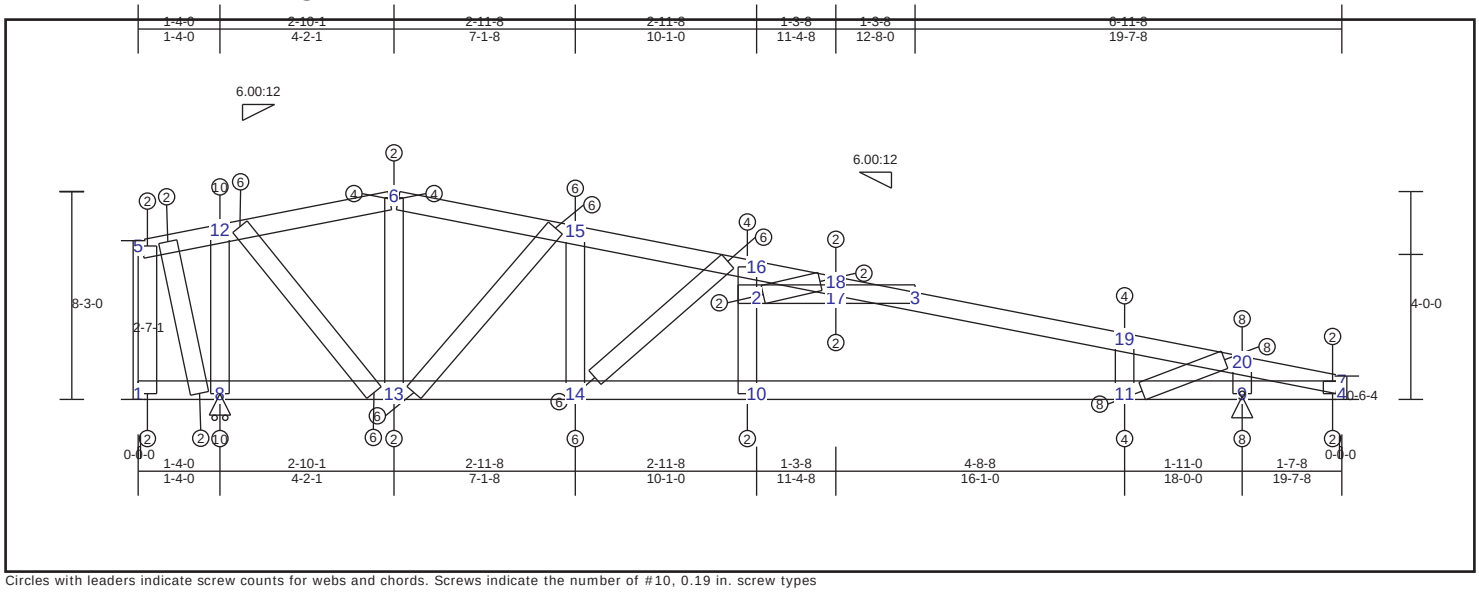
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
6-7	0.12	-1222 lbs	-1222 lbs	2-19	0.17	-414 lbs	-414 lbs	1-5	0.52	-2884 lbs	-2884 lbs
7-17	0.58	-2256 lbs	-2256 lbs	3-19	0.17	-414 lbs	-414 lbs	12-13	0.52	-4527 lbs	-4527 lbs
17-18	0.44	-2821 lbs	-2821 lbs	1-12	0.77	466 lbs	-83 lbs	6-14	0.52	-1693 lbs	-1693 lbs
18-20	0.28	-2265 lbs	-2265 lbs	12-14	0.77	906 lbs	-162 lbs	7-15	0.52	-1566 lbs	-1566 lbs
3-20	0.40	-2956 lbs	-2956 lbs	14-15	0.51	915 lbs	-163 lbs	16-17	0.52	-2508 lbs	-2508 lbs
3-21	0.51	-2956 lbs	-2956 lbs	15-16	0.51	1743 lbs	-320 lbs	2-11	0.32	-1190 lbs	-1190 lbs
21-22	0.61	-2956 lbs	-2956 lbs	11-16	0.48	2499 lbs	-498 lbs	2-18	0.30	-1190 lbs	-1190 lbs
8-22	0.59	-1363 lbs	-1363 lbs	10-11	0.34	2499 lbs	-498 lbs	19-20	0.02	-109 lbs	-109 lbs
5-13	0.77	-466 lbs	-466 lbs	9-10	0.49	2499 lbs	-543 lbs	10-21	0.23	-1469 lbs	-1469 lbs
6-13	0.70	-906 lbs	-906 lbs	4-9	0.23	-543 lbs	-543 lbs	9-22	0.52	-3485 lbs	-3485 lbs
								4-8	0.01	160 lbs	-6 lbs
								5-12	0.20	3913 lbs	-694 lbs
								13-14	0.19	3694 lbs	-663 lbs
								7-16	0.15	2967 lbs	-563 lbs
								11-17	0.10	2060 lbs	-446 lbs
								2-20	0.01	-95 lbs	-95 lbs
								6-15	0.03	528 lbs	-95 lbs
								10-22	0.17	3308 lbs	-240 lbs

TRUSS TB09 (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 (19 - 20)	TL(V): 0.14 in.	L / 185	(17-3)	L / 90
BC :	0.50 (13 - 14)	LL(V): 0.02 in.	L / 999	(17-3)	L / 90
Web :	0.47 (8 - 12)	DL(V): 0.11 in.	L / 999	(10-11)	L / 0
		Cant / OH TL: 0.02 in.	2L / 1	(17-3)	2L / 90
		Cant / OH LL: 0.02 in.	2L / 1	(17-3)	2L / 90
		Horiz TL: -0.01 in.		3	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(3-19)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 885	(3-19)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
8	HRoll		0 lbs	2800 lbs	0 lbs	0 lbs	0 lbs
9	Pin		-460 lbs	2890 lbs	0 lbs	0 lbs	-460 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (96 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-2-3	19-7-8

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 = 46.00 psf; BC Live = 0.00 psf; BC Dead = 35.00 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

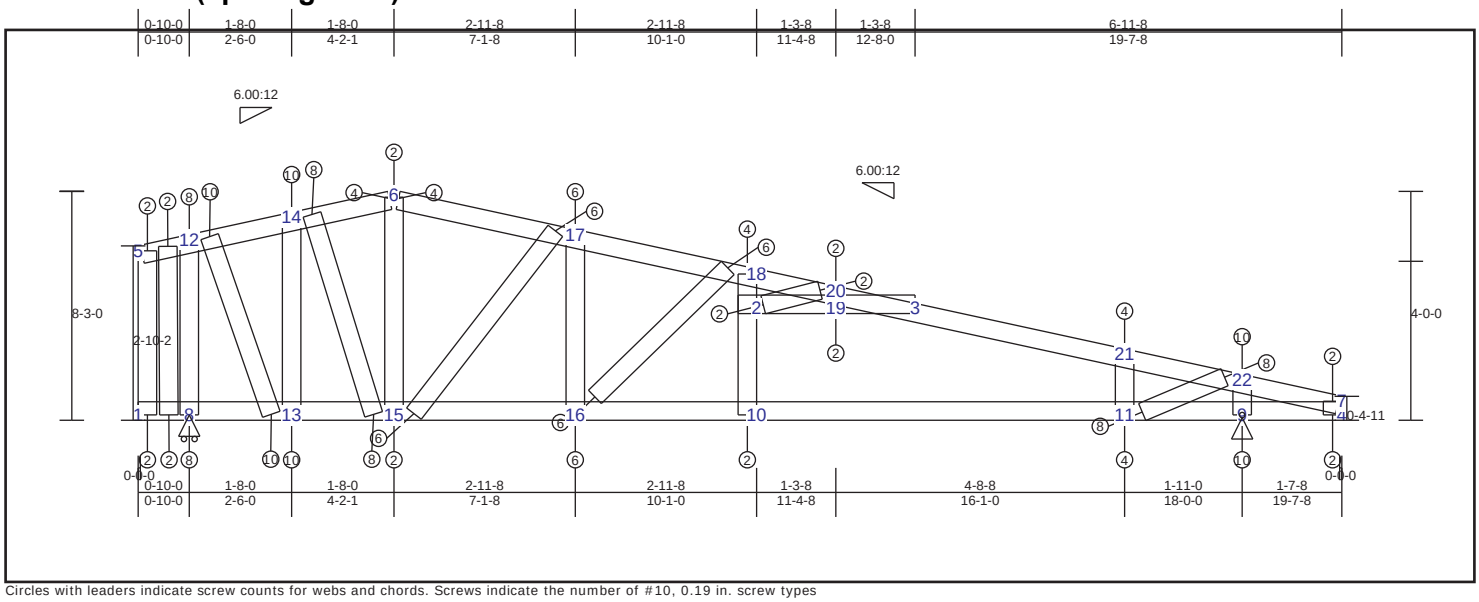
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
5-12	0.54	-1211 lbs	-1211 lbs	2-17	0.14	-297 lbs	-297 lbs	1-5	0.02	-23 lbs	-23 lbs
6-12	0.48	-1211 lbs	-1211 lbs	3-17	0.15	-297 lbs	-297 lbs	8-12	0.47	-3308 lbs	-3308 lbs
6-15	0.38	-963 lbs	-963 lbs	1-8	0.08	38 lbs	-6 lbs	6-13	0.01	221 lbs	-53 lbs
15-16	0.46	-1998 lbs	-1998 lbs	8-13	0.47	696 lbs	-110 lbs	14-15	0.10	2081 lbs	-369 lbs
16-18	0.19	-2098 lbs	-2098 lbs	13-14	0.50	1378 lbs	-240 lbs	2-10	0.28	556 lbs	-43 lbs
3-18	0.40	-2693 lbs	-2693 lbs	10-14	0.34	2232 lbs	-430 lbs	2-16	0.31	882 lbs	-96 lbs
3-19	0.46	-2693 lbs	-2693 lbs	10-11	0.40	2232 lbs	-430 lbs	17-18	0.02	-121 lbs	-121 lbs
19-20	0.55	-2693 lbs	-2693 lbs	9-11	0.42	2232 lbs	-462 lbs	11-19	0.22	-1412 lbs	-1412 lbs
7-20	0.53	-1234 lbs	-1234 lbs	4-9	0.19	-462 lbs	-462 lbs	9-20	0.47	-3167 lbs	-3167 lbs
								4-7	0.01	142 lbs	-7 lbs
								2-18	0.02	-161 lbs	-161 lbs
								5-8	0.02	460 lbs	-74 lbs
								12-13	0.11	2183 lbs	-345 lbs
								11-20	0.15	2978 lbs	-213 lbs
								14-16	0.47	-1777 lbs	-1777 lbs
								13-15	0.47	-2139 lbs	-2139 lbs

TRUSS TB10 (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 :	0.65 (12 - 14)	TL(V): 0.16 in.	L / 159	(19-3)	L / 90
BC :	0.63 (8 - 13)	LL(V): 0.03 in.	L / 905	(19-3)	L / 90
Web :	0.49 (13 - 14)	DL(V): 0.13 in.	L / 193	(19-3)	L / 0
		Cant / OH TL: 0.01 in.	2L / 999	5	2L / 90
		Cant / OH LL: 0.01 in.	2L / 999	5	2L / 90
		Horiz TL: -0.02 in.		5	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(3-21)	L / 90
		Cant (Snow/Wind) 0.02 in.	L / 182	7	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
8	HRoll		0 lbs	2720 lbs	0 lbs	0 lbs	0 lbs
9	Pin		-460 lbs	2970 lbs	0 lbs	0 lbs	-460 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (96 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-2-3	19-7-8

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 = 46.00 psf; BC Live = 0.00 psf; BC Dead = 35.00 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

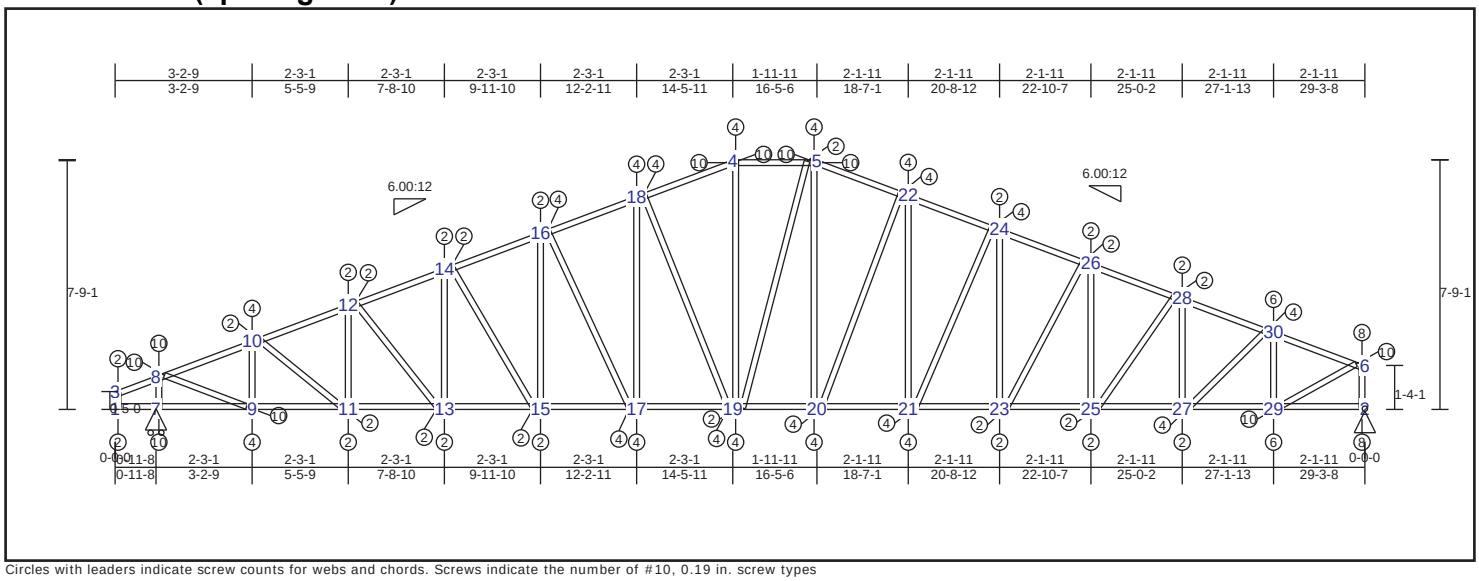
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
6-17	0.38	-1119 lbs	-1119 lbs	1-8	0.13	-2 lbs	-2 lbs	1-5	0.03	510 lbs	-78 lbs
17-18	0.47	-2153 lbs	-2153 lbs	8-13	0.63	496 lbs	-76 lbs	8-12	0.49	-2723 lbs	-2723 lbs
18-20	0.21	-2256 lbs	-2256 lbs	13-15	0.63	835 lbs	-131 lbs	13-14	0.49	-3612 lbs	-3612 lbs
3-20	0.42	-2830 lbs	-2830 lbs	15-16	0.51	1516 lbs	-260 lbs	6-15	0.01	270 lbs	-68 lbs
3-21	0.50	-2830 lbs	-2830 lbs	10-16	0.33	2349 lbs	-447 lbs	16-17	0.10	2068 lbs	-367 lbs
21-22	0.57	-2830 lbs	-2830 lbs	10-11	0.42	2349 lbs	-447 lbs	2-10	0.26	539 lbs	-40 lbs
7-22	0.55	-1290 lbs	-1290 lbs	9-11	0.45	2349 lbs	-462 lbs	2-18	0.29	864 lbs	-93 lbs
5-12	0.50	-1267 lbs	-1267 lbs	4-9	0.20	-462 lbs	-462 lbs	19-20	0.02	-122 lbs	-122 lbs
12-14	0.65	-1720 lbs	-1720 lbs	2-19	0.14	-274 lbs	-274 lbs	11-21	0.23	-1474 lbs	-1474 lbs
6-14	0.50	-1720 lbs	-1720 lbs	3-19	0.14	-274 lbs	-274 lbs	9-22	0.49	-3301 lbs	-3301 lbs
								4-7	0.01	147 lbs	-6 lbs
								12-13	0.17	3331 lbs	-511 lbs
								14-15	0.13	2552 lbs	-411 lbs
								2-20	0.02	-164 lbs	-164 lbs
								5-8	0.49	-774 lbs	-774 lbs
								16-18	0.49	-1741 lbs	-1741 lbs
								15-17	0.49	-2137 lbs	-2137 lbs
								11-22	0.16	3141 lbs	-237 lbs

TRUSS TB11 (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 (30 - 6)	TL(V): 0.08 in.	L / 999	(15-17)	L / 90
BC :	0.59 (27 - 29)	LL(V): 0.06 in.	L / 999	(15-17)	L / 90
Web :	0.30 (18 - 19)	DL(V): 0.03 in.	L / 999	(15-17)	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: -0.03 in.		3	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(22-24)	L / 90
		Cant (Snow/Wind) 0.02 in.	L / 999	(1-7)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	Pin		240 lbs	1370 lbs	0 lbs	-670 lbs	240 lbs
7	HRoll		0 lbs	1470 lbs	0 lbs	-720 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-9-1	29-3-8

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

Material Design Pass

Member Forces Summary

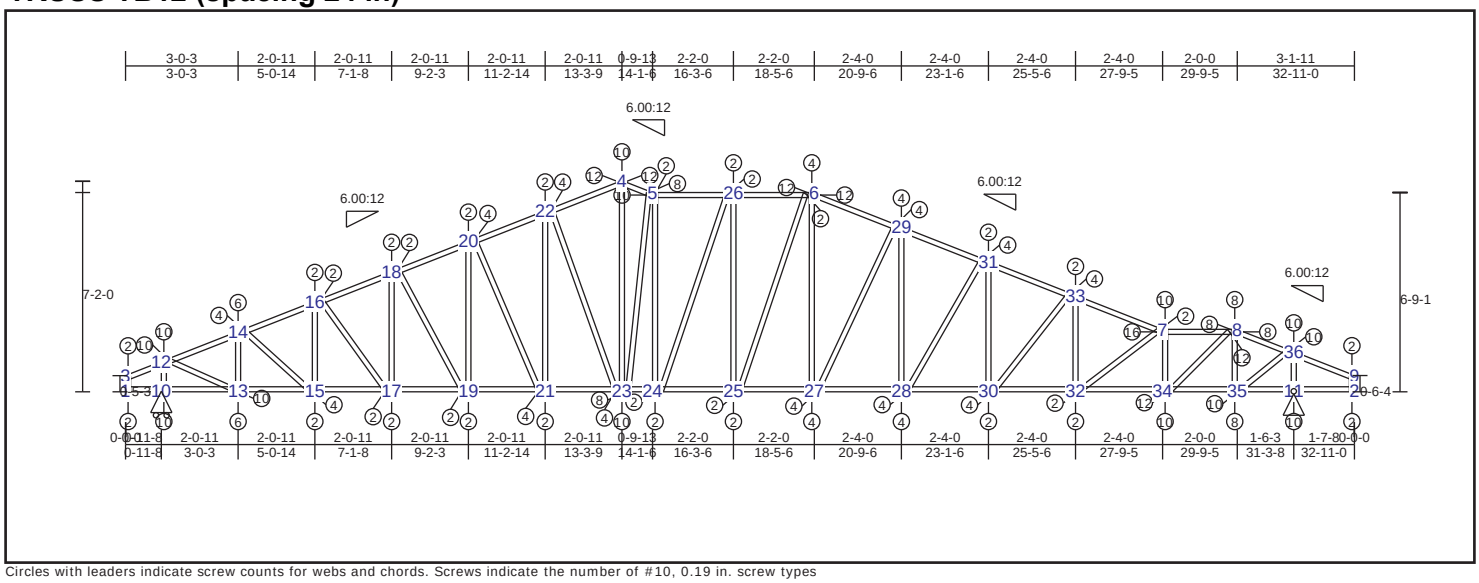
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
3-8	0.37	56 lbs	-7 lbs	1-7	0.21	0 lbs	0 lbs
8-10	0.86	-1795 lbs	-1795 lbs	7-9	0.40	1390 lbs	-591 lbs
10-12	0.63	-1915 lbs	-1915 lbs	9-11	0.31	1628 lbs	-653 lbs
12-14	0.50	-1915 lbs	-1915 lbs	11-13	0.23	1628 lbs	-653 lbs
14-16	0.53	-1828 lbs	-1828 lbs	13-15	0.30	1621 lbs	-594 lbs
16-18	0.58	-1696 lbs	-1696 lbs	15-17	0.35	1522 lbs	-527 lbs
4-18	0.57	-1522 lbs	-1522 lbs	17-19	0.36	1377 lbs	-469 lbs
4-5	0.56	-1328 lbs	-1328 lbs	19-20	0.35	1205 lbs	-426 lbs
5-22	0.53	-1511 lbs	-1511 lbs	20-21	0.31	1338 lbs	-544 lbs
22-24	0.53	-1650 lbs	-1650 lbs	21-23	0.31	1448 lbs	-646 lbs
24-26	0.47	-1743 lbs	-1743 lbs	23-25	0.26	1503 lbs	-721 lbs
26-28	0.47	-1777 lbs	-1777 lbs	25-27	0.22	1503 lbs	-745 lbs
28-30	0.71	-1777 lbs	-1777 lbs	27-29	0.59	1458 lbs	-745 lbs
6-30	0.86	-1616 lbs	-1616 lbs	2-29	0.59	1166 lbs	-645 lbs

Web			
1-3	0.01	60 lbs	-15 lbs
9-10	0.13	-661 lbs	-661 lbs
11-12	0.05	-204 lbs	-204 lbs
13-14	0.02	-89 lbs	-89 lbs
15-16	0.08	268 lbs	-221 lbs
17-18	0.16	465 lbs	-355 lbs
4-19	0.18	518 lbs	-298 lbs
5-20	0.23	484 lbs	-390 lbs
21-22	0.14	386 lbs	-308 lbs
23-24	0.06	184 lbs	-181 lbs
25-26	0.02	-69 lbs	-69 lbs
27-28	0.07	-306 lbs	-306 lbs
29-30	0.18	-890 lbs	-890 lbs
2-6	0.26	-1382 lbs	-1382 lbs
7-8	0.29	-1549 lbs	-1549 lbs
8-9	0.19	1558 lbs	-662 lbs
10-11	0.04	350 lbs	-142 lbs
12-13	0.01	116 lbs	-35 lbs
14-15	0.07	255 lbs	-247 lbs
16-17	0.17	-442 lbs	-442 lbs
18-19	0.30	-598 lbs	-598 lbs
20-22	0.26	-521 lbs	-521 lbs
21-24	0.14	-360 lbs	-360 lbs
23-26	0.05	202 lbs	-150 lbs
25-28	0.01	111 lbs	-29 lbs

Web			
27-30	0.06	482 lbs	-177 lbs
6-29	0.18	1470 lbs	-689 lbs
5-19	0.10	-159 lbs	-159 lbs

TRUSS TB12 (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 :	0.95 (7 - 8)	TL(V): 0.14 in.	L / 363	(26-6)	L / 90
BC :	0.96 (34 - 35)	LL(V): 0.09 in.	L / 548	(26-6)	L / 90
Web :	0.58 (23 - 5)	DL(V): 0.05 in.	L / 999	(24-25)	L / 0
		Cant / OH TL: -0.03 in.	2L / 999	(36-9)	2L / 90
		Cant / OH LL: -0.03 in.	2L / 999	(36-9)	2L / 90
		Horiz TL: -0.03 in.		3	
		Web :			
		Snow/Wind -0.11 in.	L / 999	(29-31)	L / 90
		Cant (Snow/Wind) 0.02 in.	L / 999	(36-9)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	HRoll		0 lbs	1560 lbs	0 lbs	-750 lbs	0 lbs
11	Pin		190 lbs	1620 lbs	0 lbs	-790 lbs	190 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-1-10	32-11-0

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

Material Design Pass

Member Forces Summary

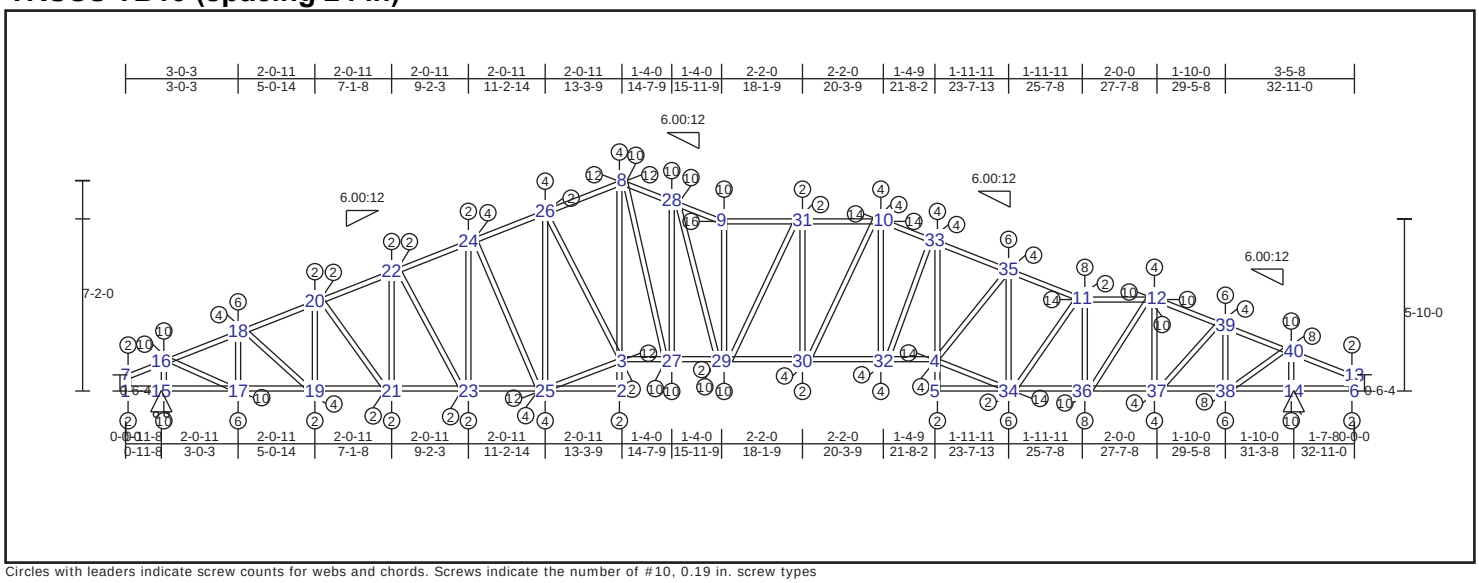
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
3-12	0.38	58 lbs	-7 lbs	1-10	0.22	0 lbs	0 lbs
12-14	0.95	-1895 lbs	-1895 lbs	10-13	0.48	1439 lbs	-600 lbs
14-16	0.65	-2077 lbs	-2077 lbs	13-15	0.48	1742 lbs	-692 lbs
16-18	0.52	-2077 lbs	-2077 lbs	15-17	0.25	1781 lbs	-692 lbs
18-20	0.52	-2037 lbs	-2037 lbs	17-19	0.31	1781 lbs	-665 lbs
20-22	0.57	-1933 lbs	-1933 lbs	19-21	0.31	1720 lbs	-642 lbs
4-22	0.54	-1816 lbs	-1816 lbs	21-23	0.90	1602 lbs	-595 lbs
4-5	0.74	-1851 lbs	-1851 lbs	23-24	0.90	1583 lbs	-619 lbs
5-26	0.52	-1727 lbs	-1727 lbs	24-25	0.29	1621 lbs	-669 lbs
6-26	0.65	-1727 lbs	-1727 lbs	25-27	0.42	1621 lbs	-672 lbs
6-29	0.67	-1925 lbs	-1925 lbs	27-28	0.41	1797 lbs	-829 lbs
29-31	0.68	-2147 lbs	-2147 lbs	28-30	0.41	2000 lbs	-975 lbs
31-33	0.72	-2386 lbs	-2386 lbs	30-32	0.41	2188 lbs	-1110 lbs
7-33	0.68	-2535 lbs	-2535 lbs	32-34	0.41	2220 lbs	-1146 lbs
7-8	0.95	-2247 lbs	-2247 lbs	34-35	0.96	2220 lbs	-1146 lbs
8-36	0.95	-1119 lbs	-1119 lbs	11-35	0.61	1001 lbs	-560 lbs
9-36	0.94	-690 lbs	-690 lbs	2-11	0.07	186 lbs	-135 lbs

Web			
1-3	0.01	63 lbs	-15 lbs
13-14	0.16	-782 lbs	-782 lbs
15-16	0.06	-291 lbs	-291 lbs
17-18	0.02	-63 lbs	-63 lbs
19-20	0.06	208 lbs	-193 lbs
21-22	0.11	306 lbs	-277 lbs
4-23	0.48	1636 lbs	-916 lbs
5-24	0.10	-207 lbs	-207 lbs
25-26	0.06	176 lbs	-128 lbs
6-27	0.19	590 lbs	-394 lbs
28-29	0.11	492 lbs	-311 lbs
30-31	0.06	334 lbs	-202 lbs
32-33	0.02	142 lbs	-57 lbs
7-34	0.29	-1461 lbs	-1461 lbs
8-35	0.22	-1082 lbs	-1082 lbs
11-36	0.32	-1664 lbs	-1664 lbs
2-9	0.00	18 lbs	-3 lbs
10-12	0.31	-1659 lbs	-1659 lbs
12-13	0.20	1656 lbs	-690 lbs
14-15	0.06	462 lbs	-197 lbs
16-17	0.01	106 lbs	-34 lbs
18-19	0.04	209 lbs	-159 lbs
20-21	0.13	-369 lbs	-369 lbs
22-23	0.19	-438 lbs	-438 lbs
6-25	0.08	155 lbs	-154 lbs

Web			
27-29	0.24	-623 lbs	-623 lbs
28-31	0.15	-494 lbs	-494 lbs
30-33	0.09	-359 lbs	-359 lbs
7-32	0.01	60 lbs	-50 lbs
5-23	0.58	-1213 lbs	-1213 lbs
24-26	0.07	195 lbs	-148 lbs
35-36	0.18	1435 lbs	-611 lbs
8-34	0.24	1978 lbs	-949 lbs

TRUSS TB13 (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 :	0.95	(11 - 12)	TL(V): 0.21 in.	L / 497	(29-30)	L / 90
BC :	0.89	(3 - 27)	LL(V): 0.14 in.	L / 751	(29-30)	L / 90
Web :	0.90	(4 - 33)	DL(V): 0.07 in.	L / 999	(29-30)	L / 0
			Cant / OH TL: 0.14 in.	2L / 695	(29-30)	2L / 90
			Cant / OH LL: 0.14 in.	2L / 695	(29-30)	2L / 90
			Horiz TL: -0.05 in.		7	
			Web :			
			Snow/Wind -0.15 in.	L / 685	(29-30)	L / 90
			Cant (Snow/Wind) -0.15 in.	L / 634	(29-30)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
14	Fixed		-150 lbs	1630 lbs	0 lbs	-830 lbs	-150 lbs
15	HRoll		0 lbs	1550 lbs	0 lbs	-750 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-2-4	32-11-0

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

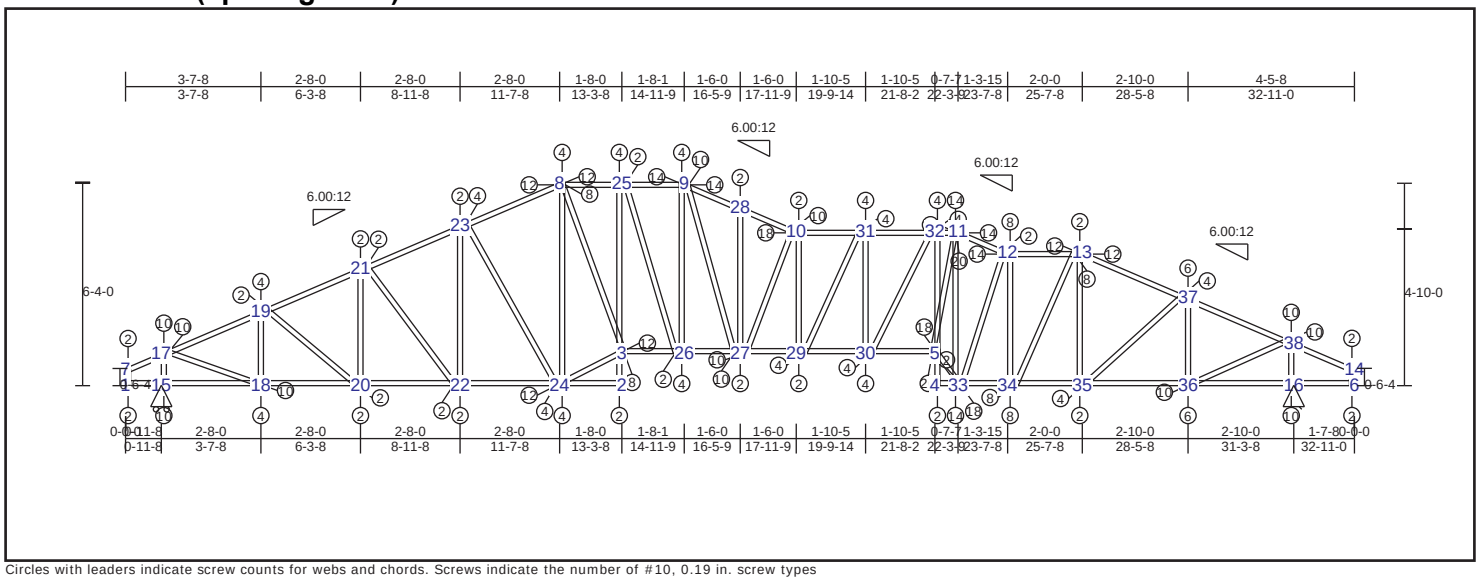
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
8-28	0.95	-2442 lbs	-2442 lbs	1-15	0.22	0 lbs	0 lbs	1-7	0.01	63 lbs	-25 lbs	16-17	0.20	1646 lbs	-981 lbs
9-28	0.95	-2698 lbs	-2698 lbs	15-17	0.48	1432 lbs	-853 lbs	17-18	0.15	-777 lbs	-777 lbs	18-19	0.06	458 lbs	-275 lbs
7-16	0.38	57 lbs	-11 lbs	17-19	0.48	1732 lbs	-999 lbs	19-20	0.06	-289 lbs	-289 lbs	20-21	0.01	104 lbs	-49 lbs
16-18	0.95	-1884 lbs	-1884 lbs	19-21	0.25	1770 lbs	-999 lbs	21-22	0.02	-61 lbs	-61 lbs	22-23	0.05	240 lbs	-167 lbs
18-20	0.65	-2065 lbs	-2065 lbs	21-23	0.30	1770 lbs	-975 lbs	23-24	0.08	-242 lbs	-242 lbs	24-25	0.11	361 lbs	-336 lbs
20-22	0.52	-2065 lbs	-2065 lbs	23-25	0.42	1705 lbs	-932 lbs	25-26	0.18	-443 lbs	-443 lbs	8-27	0.52	1663 lbs	-1264 lbs
22-24	0.52	-2024 lbs	-2024 lbs	2-25	0.47	1598 lbs	-873 lbs	2-3	0.90	765 lbs	-414 lbs	28-29	0.41	1543 lbs	-1185 lbs
24-26	0.53	-2037 lbs	-2037 lbs	3-27	0.89	1970 lbs	-1137 lbs	3-8	0.90	765 lbs	-414 lbs	29-31	0.05	-155 lbs	-155 lbs
8-26	0.59	-2037 lbs	-2037 lbs	27-29	0.89	2273 lbs	-1370 lbs	27-28	0.56	-1637 lbs	-1637 lbs	10-30	0.09	384 lbs	-282 lbs
9-31	0.90	-2364 lbs	-2364 lbs	29-30	0.89	2273 lbs	-1375 lbs	9-29	0.43	-1443 lbs	-1443 lbs	11-34	0.04	-154 lbs	-154 lbs
10-31	0.96	-2321 lbs	-2321 lbs	30-32	0.58	2231 lbs	-1375 lbs	30-31	0.10	-327 lbs	-327 lbs	37-39	0.09	707 lbs	-388 lbs
10-33	0.69	-2478 lbs	-2478 lbs	4-32	0.53	2276 lbs	-1461 lbs	10-32	0.17	703 lbs	-557 lbs	38-40	0.17	1402 lbs	-831 lbs
33-35	0.75	-2668 lbs	-2668 lbs	5-34	0.62	2013 lbs	-1332 lbs	4-5	0.90	998 lbs	-653 lbs	32-33	0.18	-651 lbs	-651 lbs
11-35	0.68	-2668 lbs	-2668 lbs	34-36	0.55	2084 lbs	-1401 lbs	4-33	0.90	998 lbs	-653 lbs	12-36	0.22	1434 lbs	-916 lbs
11-12	0.95	-2129 lbs	-2129 lbs	36-37	0.83	2084 lbs	-1401 lbs	34-35	0.20	-777 lbs	-777 lbs				
12-39	0.61	-1669 lbs	-1669 lbs	37-38	0.71	1442 lbs	-991 lbs	11-36	0.28	-1234 lbs	-1234 lbs				
39-40	0.95	-1570 lbs	-1570 lbs	14-38	0.71	1035 lbs	-768 lbs	12-37	0.12	-540 lbs	-540 lbs				
13-40	0.56	71 lbs	0 lbs	6-14	0.36	0 lbs	0 lbs	38-39	0.21	-1047 lbs	-1047 lbs				
								6-13	0.01	66 lbs	0 lbs				
								15-16	0.31	-1650 lbs	-1650 lbs				
								14-40	0.30	-1591 lbs	-1591 lbs				
								3-26	0.04	289 lbs	-114 lbs				
								3-25	0.22	1797 lbs	-983 lbs				
								4-34	0.31	2280 lbs	-1507 lbs				
								4-35	0.06	485 lbs	-237 lbs				

TRUSS TB14 (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 :	0.87 (12 - 13)	TL(V): 0.26 in.	L / 395	(27-29)	L / 90
BC :	0.93 (30 - 5)	LL(V): 0.17 in.	L / 595	(27-29)	L / 90
Web :	0.53 (5 - 32)	DL(V): 0.09 in.	L / 999	(27-29)	L / 0
		Cant / OH TL: 0.17 in.	2L / 616	(27-29)	2L / 90
		Cant / OH LL: 0.17 in.	2L / 616	(27-29)	2L / 90
		Horiz TL: -0.08 in.		7	
		Web :			
		Snow/Wind -0.19 in.	L / 550	(27-29)	L / 90
		Cant (Snow/Wind) -0.19 in.	L / 570	(27-29)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
15	HRoll		0 lbs	1550 lbs	0 lbs	-740 lbs	0 lbs
16	Fixed		-130 lbs	1630 lbs	0 lbs	-860 lbs	-130 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing
BottomChord 4-6	362S162-43(33)	Purlin (24 in.)

Truss Dimensions

Max Height	Max Width
6-4-12	32-11-0

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

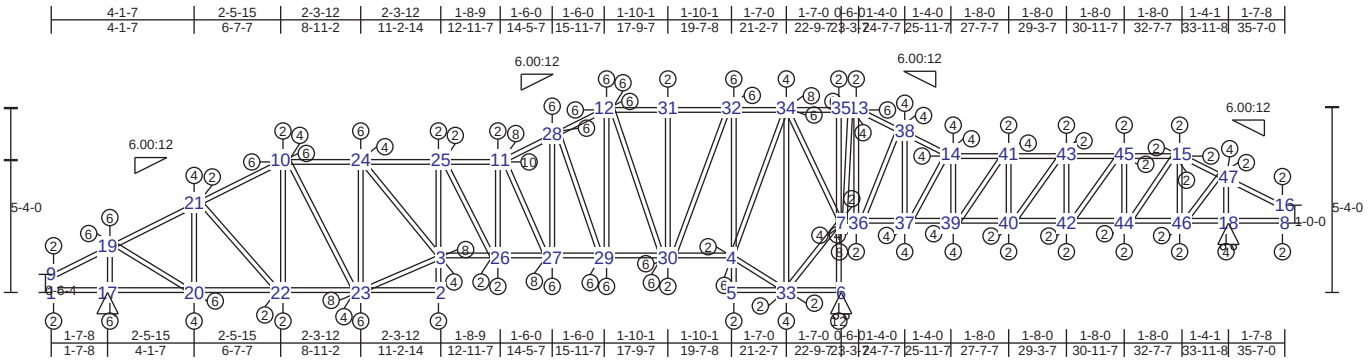
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
7-17	0.41	60 lbs	-15 lbs	4-33	0.93	310 lbs	-201 lbs	1-7	0.01	70 lbs	-33 lbs	19-20	0.04	266 lbs	-174 lbs
17-19	0.87	-1986 lbs	-1986 lbs	33-34	0.93	1959 lbs	-1294 lbs	18-19	0.12	-597 lbs	-597 lbs	21-22	0.03	194 lbs	-107 lbs
19-21	0.72	-2068 lbs	-2068 lbs	34-35	0.55	1959 lbs	-1294 lbs	20-21	0.03	-133 lbs	-133 lbs	23-24	0.12	384 lbs	-349 lbs
21-23	0.56	-2051 lbs	-2051 lbs	35-36	0.38	1583 lbs	-1051 lbs	22-23	0.05	-170 lbs	-170 lbs	9-27	0.42	1621 lbs	-1237 lbs
8-23	0.66	-1902 lbs	-1902 lbs	16-36	0.38	1328 lbs	-947 lbs	8-24	0.23	-550 lbs	-550 lbs	10-27	0.38	-1484 lbs	-1484 lbs
8-25	0.56	-2076 lbs	-2076 lbs	6-16	0.29	0 lbs	0 lbs	2-3	0.90	894 lbs	-500 lbs	29-31	0.06	377 lbs	-250 lbs
9-25	0.49	-2123 lbs	-2123 lbs	1-15	0.24	0 lbs	0 lbs	3-25	0.53	894 lbs	-500 lbs	30-32	0.10	615 lbs	-383 lbs
9-28	0.87	-2860 lbs	-2860 lbs	15-18	0.38	1584 lbs	-919 lbs	9-26	0.12	-367 lbs	-367 lbs	13-34	0.19	1069 lbs	-690 lbs
10-28	0.87	-2860 lbs	-2860 lbs	18-20	0.36	1775 lbs	-999 lbs	27-28	0.04	153 lbs	-144 lbs	12-33	0.02	118 lbs	-86 lbs
10-31	0.84	-2931 lbs	-2931 lbs	20-22	0.27	1775 lbs	-999 lbs	10-29	0.02	83 lbs	-67 lbs	25-26	0.07	-203 lbs	-203 lbs
31-32	0.98	-2794 lbs	-2794 lbs	22-24	0.32	1718 lbs	-972 lbs	30-31	0.15	-612 lbs	-612 lbs	35-37	0.05	370 lbs	-178 lbs
11-32	0.69	-2553 lbs	-2553 lbs	2-24	0.37	1567 lbs	-890 lbs	4-5	0.53	2593 lbs	-1680 lbs	36-38	0.20	1500 lbs	-920 lbs
11-12	0.49	-2264 lbs	-2264 lbs	3-26	0.93	2025 lbs	-1213 lbs	5-32	0.53	2593 lbs	-1680 lbs				
12-13	0.87	-2021 lbs	-2021 lbs	26-27	0.93	2400 lbs	-1500 lbs	11-33	0.66	-2237 lbs	-2237 lbs				
13-37	0.74	-1872 lbs	-1872 lbs	27-29	0.93	2858 lbs	-1839 lbs	12-34	0.32	-1239 lbs	-1239 lbs				
37-38	0.87	-1769 lbs	-1769 lbs	29-30	0.61	2858 lbs	-1839 lbs	13-35	0.06	-212 lbs	-212 lbs				
14-38	0.62	75 lbs	0 lbs	5-30	0.93	2721 lbs	-1765 lbs	36-37	0.15	-722 lbs	-722 lbs				
								6-14	0.01	69 lbs	0 lbs				
								15-17	0.31	-1637 lbs	-1637 lbs				
								16-38	0.31	-1607 lbs	-1607 lbs				
								3-24	0.22	1780 lbs	-1002 lbs				
								3-8	0.31	1342 lbs	-898 lbs				
								5-11	0.53	3291 lbs	-2145 lbs				
								5-33	0.38	3075 lbs	-2006 lbs				
								17-18	0.21	1712 lbs	-993 lbs				

TRUSS TB15 (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 (32 - 34)	TL(V): 0.09 in.	L / 838	(25-11)	L / 90
BC :	0.72 (29 - 30)	LL(V): 0.06 in.	L / 999	(25-11)	L / 90
Web :	0.83 (7 - 35)	DL(V): 0.03 in.	L / 999	11	L / 0
		Cant / OH TL: 0.06 in.	2L / 461	(25-11)	2L / 90
		Cant / OH LL: 0.06 in.	2L / 461	(25-11)	2L / 90
		Horiz TL: 0.02 in.		10	
		Web :			
		Snow/Wind -0.08 in.	L / 520	11	L / 90
		Cant (Snow/Wind) -0.08 in.	L / 557	11	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
6	HRoll		0 lbs	1900 lbs	0 lbs	-930 lbs	0 lbs
17	Fixed		170 lbs	1060 lbs	0 lbs	-640 lbs	170 lbs
18	HRoll		0 lbs	470 lbs	0 lbs	-360 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
5-4-14	35-7-0

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

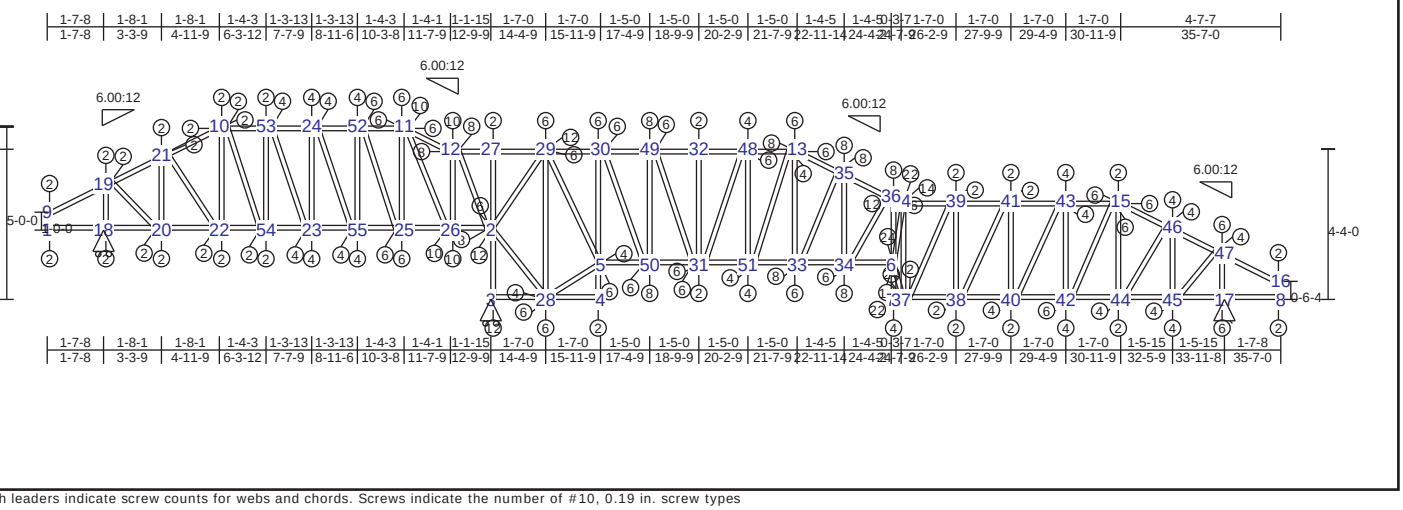
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
9-19	0.41	67 lbs	-2 lbs	1-17	0.43	0 lbs	0 lbs	1-9	0.01	75 lbs	-6 lbs	18-47	0.07	-384 lbs	-384 lbs
19-21	0.67	-972 lbs	-972 lbs	17-20	0.51	751 lbs	-643 lbs	20-21	0.09	-439 lbs	-439 lbs	7-34	0.32	-1343 lbs	-1343 lbs
10-21	0.45	-1005 lbs	-1005 lbs	20-22	0.29	850 lbs	-677 lbs	10-22	0.02	-67 lbs	-67 lbs	4-34	0.19	920 lbs	-683 lbs
10-24	0.59	-1067 lbs	-1067 lbs	22-23	0.32	1045 lbs	-825 lbs	23-24	0.20	-805 lbs	-805 lbs	4-33	0.06	-301 lbs	-301 lbs
24-25	0.50	-1511 lbs	-1511 lbs	2-23	0.32	1045 lbs	-825 lbs	2-3	0.59	472 lbs	-363 lbs	7-33	0.06	-267 lbs	-267 lbs
11-25	0.41	-1511 lbs	-1511 lbs	3-26	0.36	1489 lbs	-1174 lbs	3-25	0.65	472 lbs	-363 lbs	3-23	0.19	1148 lbs	-904 lbs
11-28	0.67	-1226 lbs	-1226 lbs	26-27	0.65	1433 lbs	-1133 lbs	11-26	0.04	238 lbs	-168 lbs	3-24	0.13	691 lbs	-544 lbs
12-28	0.59	-845 lbs	-845 lbs	27-29	0.61	993 lbs	-771 lbs	27-28	0.20	1037 lbs	-840 lbs	19-20	0.12	840 lbs	-557 lbs
12-31	0.55	-720 lbs	-720 lbs	29-30	0.72	672 lbs	-502 lbs	12-29	0.22	995 lbs	-809 lbs	21-22	0.02	151 lbs	-52 lbs
31-32	0.55	506 lbs	-459 lbs	4-30	0.63	411 lbs	-309 lbs	30-31	0.03	-124 lbs	-124 lbs	10-23	0.09	427 lbs	-323 lbs
32-34	0.70	277 lbs	-156 lbs	5-33	0.04	-47 lbs	-47 lbs	4-5	0.20	-146 lbs	-146 lbs	11-27	0.24	-1093 lbs	-1093 lbs
34-35	0.68	732 lbs	-392 lbs	6-33	0.04	-47 lbs	-47 lbs	4-32	0.31	-1059 lbs	-1059 lbs	28-29	0.25	-986 lbs	-986 lbs
13-35	0.59	715 lbs	-384 lbs	7-36	0.39	-730 lbs	-730 lbs	33-34	0.11	377 lbs	-334 lbs	12-30	0.23	-815 lbs	-815 lbs
13-38	0.30	775 lbs	-436 lbs	36-37	0.57	-730 lbs	-730 lbs	6-7	0.77	-2093 lbs	-2093 lbs	30-32	0.19	895 lbs	-665 lbs
14-38	0.28	775 lbs	-436 lbs	37-39	0.27	-547 lbs	-547 lbs	7-35	0.83	-2093 lbs	-2093 lbs	36-38	0.11	-492 lbs	-492 lbs
14-41	0.34	324 lbs	-260 lbs	39-40	0.30	396 lbs	-349 lbs	13-36	0.05	-229 lbs	-229 lbs	14-37	0.09	-417 lbs	-417 lbs
41-43	0.20	303 lbs	-184 lbs	40-42	0.18	221 lbs	-178 lbs	37-38	0.09	447 lbs	-404 lbs	39-41	0.12	-578 lbs	-578 lbs
43-45	0.14	303 lbs	-228 lbs	42-44	0.12	210 lbs	-178 lbs	14-39	0.06	500 lbs	-309 lbs	40-43	0.07	-318 lbs	-318 lbs
15-45	0.21	292 lbs	-228 lbs	44-46	0.12	210 lbs	-167 lbs	40-41	0.04	304 lbs	-166 lbs	42-45	0.02	-75 lbs	-75 lbs
15-47	0.36	183 lbs	-155 lbs	18-46	0.49	144 lbs	-37 lbs	42-43	0.01	105 lbs	-72 lbs	15-44	0.05	-232 lbs	-232 lbs
16-47	0.25	57 lbs	-11 lbs	8-18	0.39	0 lbs	0 lbs	44-45	0.03	183 lbs	-130 lbs	46-47	0.03	239 lbs	-62 lbs
								15-46	0.03	-165 lbs	-165 lbs	13-35	0.15	-651 lbs	-651 lbs
								8-16	0.01	67 lbs	-24 lbs	25-26	0.03	-123 lbs	-123 lbs
								17-19	0.19	-1017 lbs	-1017 lbs				

TRUSS TB16 (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 (14 - 39)	TL(V): 0.21 in.	L / 188	(36-14)	L / 90
BC :	0.97 (26 - 2)	LL(V): 0.14 in.	L / 285	(36-14)	L / 90
Web :	0.94 (6 - 36)	DL(V): 0.07 in.	L / 999	(34-6)	L / 0
		Cant / OH TL: 0.14 in.	2L / 999	(36-14)	2L / 90
		Cant / OH LL: 0.14 in.	2L / 999	(36-14)	2L / 90
		Horiz TL: -0.05 in.		28	
		Web :			
		Snow/Wind -0.18 in.	L / 582	(34-6)	L / 90
		Cant (Snow/Wind) -0.18 in.	L / 999	(34-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
3	HRoll		0 lbs	2050 lbs	0 lbs	-1100 lbs	0 lbs
17	Fixed		-160 lbs	1010 lbs	0 lbs	-600 lbs	-160 lbs
18	HRoll		0 lbs	370 lbs	0 lbs	-330 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
5-0-10	35-7-0

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

Material Design Pass

Member Forces Summary

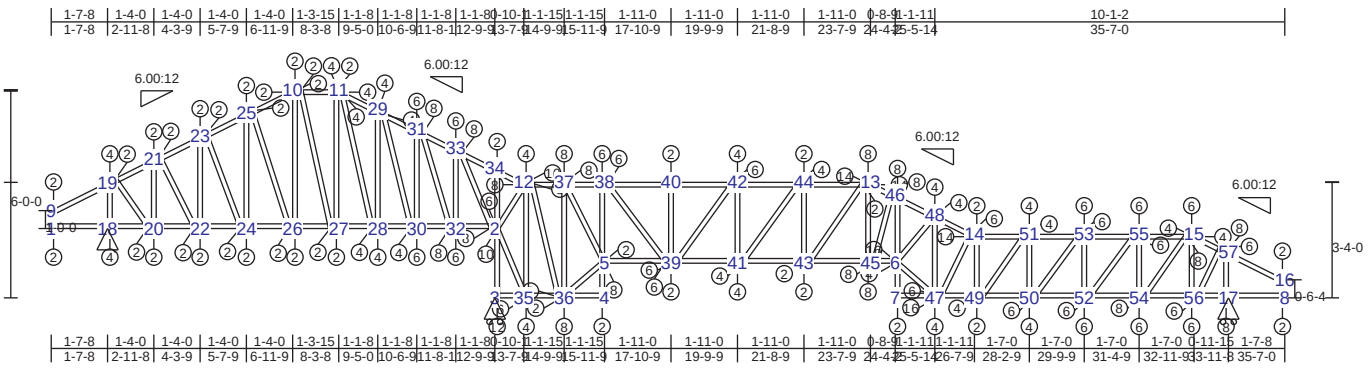
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord			
9-19	0.23	57 lbs	-12 lbs
19-21	0.60	203 lbs	-97 lbs
10-21	0.14	203 lbs	-82 lbs
10-53	0.18	207 lbs	-103 lbs
24-53	0.28	217 lbs	-201 lbs
24-52	0.38	365 lbs	-327 lbs
11-52	0.46	602 lbs	-471 lbs
11-12	0.74	1432 lbs	-1045 lbs
12-27	0.69	1620 lbs	-1174 lbs
27-29	0.43	1640 lbs	-1184 lbs
29-30	0.62	474 lbs	-275 lbs
30-49	0.67	232 lbs	-205 lbs
32-49	0.67	-512 lbs	-512 lbs
32-48	0.43	-750 lbs	-750 lbs
13-48	0.43	-934 lbs	-934 lbs
13-35	0.65	-1090 lbs	-1090 lbs
35-36	0.76	-1617 lbs	-1617 lbs
14-36	0.72	-2070 lbs	-2070 lbs
14-39	0.82	-1697 lbs	-1697 lbs
39-41	0.38	-1279 lbs	-1279 lbs
41-43	0.47	-1176 lbs	-1176 lbs
15-43	0.70	-978 lbs	-978 lbs
15-46	0.34	-778 lbs	-778 lbs
46-47	0.64	-750 lbs	-750 lbs
16-47	0.43	66 lbs	-2 lbs

Bot Chord			
3-28	0.06	-33 lbs	-33 lbs
4-28	0.06	-33 lbs	-33 lbs
5-50	0.72	175 lbs	-167 lbs
31-50	0.72	482 lbs	-332 lbs
31-51	0.59	719 lbs	-514 lbs
33-51	0.52	903 lbs	-656 lbs
33-34	0.77	1311 lbs	-985 lbs
6-34	0.96	1767 lbs	-1352 lbs
7-37	0.32	256 lbs	-196 lbs
37-38	0.62	1363 lbs	-1046 lbs
38-40	0.30	1274 lbs	-984 lbs
40-42	0.44	1171 lbs	-913 lbs
42-44	0.44	973 lbs	-771 lbs
44-45	0.48	690 lbs	-565 lbs
17-45	0.65	455 lbs	-418 lbs
8-17	0.40	0 lbs	0 lbs
1-18	0.40	0 lbs	0 lbs
18-20	0.50	198 lbs	-22 lbs
20-22	0.08	226 lbs	-33 lbs
22-54	0.16	285 lbs	-84 lbs
23-54	0.25	383 lbs	-211 lbs
23-55	0.35	510 lbs	-407 lbs
25-55	0.46	653 lbs	-643 lbs
25-26	0.93	-1260 lbs	-1260 lbs
2-26	0.97	-1260 lbs	-1260 lbs

Web			
1-9	0.01	69 lbs	-26 lbs
20-21	0.02	-114 lbs	-114 lbs
10-22	0.02	96 lbs	-74 lbs
23-24	0.07	441 lbs	-300 lbs
11-25	0.10	794 lbs	-477 lbs
12-26	0.21	1566 lbs	-1035 lbs
2-3	0.77	-2644 lbs	-2644 lbs
2-27	0.94	-2644 lbs	-2644 lbs
28-29	0.20	927 lbs	-743 lbs
4-5	0.28	-294 lbs	-294 lbs
5-30	0.32	-1033 lbs	-1033 lbs
31-32	0.03	-134 lbs	-134 lbs
13-33	0.17	914 lbs	-728 lbs
34-35	0.19	1144 lbs	-897 lbs
6-7	0.94	1285 lbs	-1005 lbs
6-36	0.94	1285 lbs	-1005 lbs
14-37	0.76	-3542 lbs	-3542 lbs
38-39	0.06	-297 lbs	-297 lbs
40-41	0.08	-354 lbs	-354 lbs
42-43	0.14	-669 lbs	-669 lbs
15-44	0.07	-334 lbs	-334 lbs
45-46	0.13	-674 lbs	-674 lbs
8-16	0.01	70 lbs	-5 lbs
6-14	0.33	2196 lbs	-1666 lbs
6-37	0.57	3920 lbs	-3008 lbs
2-28	0.16	-779 lbs	-779 lbs
2-29	0.45	-2076 lbs	-2076 lbs
5-29	0.14	803 lbs	-592 lbs
5-28	0.12	-594 lbs	-594 lbs
53-54	0.05	280 lbs	-236 lbs
52-55	0.08	615 lbs	-383 lbs
49-50	0.26	-1115 lbs	-1115 lbs
48-51	0.11	660 lbs	-492 lbs
17-47	0.17	-884 lbs	-884 lbs
18-19	0.05	308 lbs	-280 lbs
19-20	0.03	285 lbs	-31 lbs
21-22	0.01	68 lbs	-60 lbs
33-35	0.23	-1074 lbs	-1074 lbs
34-36	0.19	-927 lbs	-927 lbs
37-39	0.03	225 lbs	-157 lbs
38-41	0.04	248 lbs	-170 lbs
40-43	0.08	476 lbs	-341 lbs
15-42	0.12	713 lbs	-519 lbs
44-46	0.06	460 lbs	-289 lbs
45-47	0.08	661 lbs	-407 lbs
11-26	0.37	-1650 lbs	-1650 lbs
12-27	0.23	-1125 lbs	-1125 lbs
25-52	0.17	-767 lbs	-767 lbs

TRUSS TB17 (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 (12 - 37)	TL(V): 0.17 in.	L / 241	(46-48)	L / 90
BC :	0.85 (35 - 36)	LL(V): 0.11 in.	L / 362	(46-48)	L / 90
Web :	0.67 (6 - 46)	DL(V): 0.06 in.	L / 719	(46-48)	L / 0
		Cant / OH TL: 0.11 in.	2L / 999	(46-48)	2L / 90
		Cant / OH LL: 0.11 in.	2L / 999	(46-48)	2L / 90
		Horiz TL: -0.02 in.		36	
		Web :			
		Snow/Wind -0.13 in.	L / 307	(46-48)	L / 90
		Cant (Snow/Wind) -0.13 in.	L / 999	(46-48)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
3	HRoll		0 lbs	1790 lbs	0 lbs	-960 lbs	0 lbs
17	HRoll		0 lbs	1100 lbs	0 lbs	-680 lbs	0 lbs
18	Fixed		-190 lbs	550 lbs	0 lbs	-360 lbs	-190 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-0-8	35-7-0

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

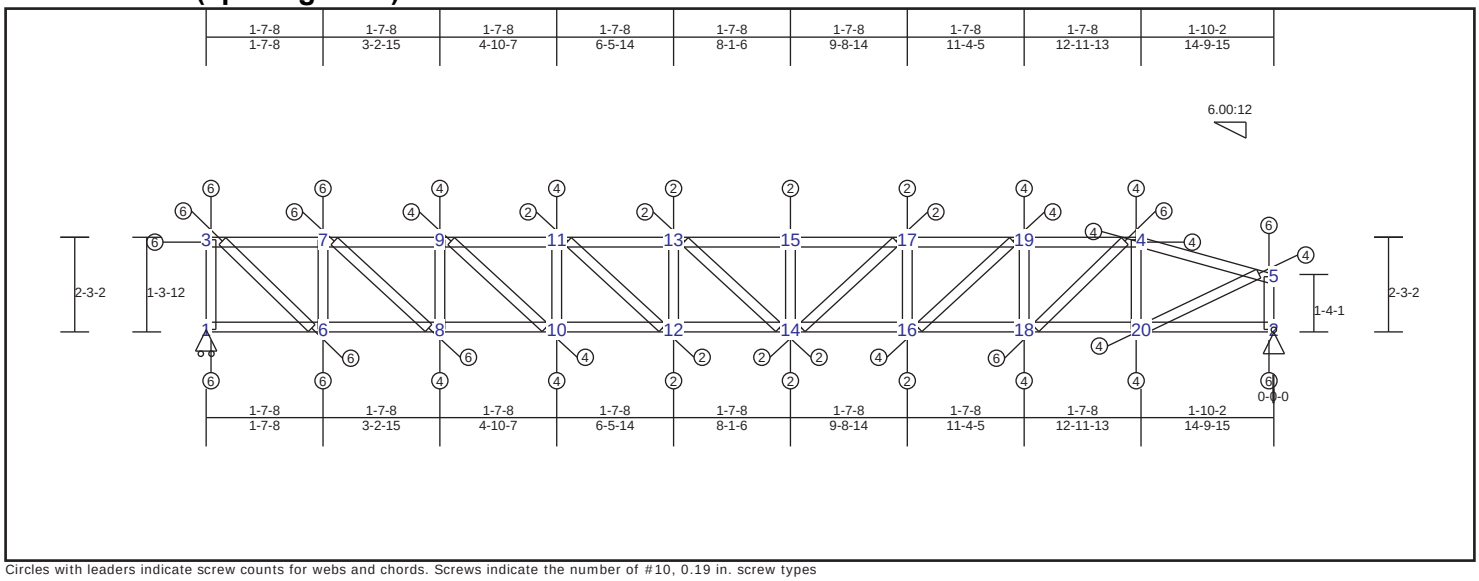
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
9-19	0.23	59 lbs	-12 lbs	1-18	0.45	0 lbs	0 lbs	1-9	0.01	77 lbs	-26 lbs	15-56	0.17	-867 lbs	-867 lbs
19-21	0.37	-300 lbs	-300 lbs	18-20	0.56	249 lbs	-68 lbs	20-21	0.05	-253 lbs	-253 lbs	8-16	0.01	62 lbs	-10 lbs
21-23	0.13	302 lbs	-300 lbs	20-22	0.16	283 lbs	-62 lbs	22-23	0.01	-70 lbs	-70 lbs	18-19	0.09	-496 lbs	-496 lbs
23-25	0.12	314 lbs	-294 lbs	22-24	0.07	293 lbs	-62 lbs	24-25	0.03	-123 lbs	-123 lbs	17-57	0.21	-1100 lbs	-1100 lbs
10-25	0.13	292 lbs	-236 lbs	24-26	0.13	314 lbs	-64 lbs	10-26	0.05	226 lbs	-214 lbs	2-12	0.28	-1423 lbs	-1423 lbs
10-11	0.18	275 lbs	-193 lbs	26-27	0.17	320 lbs	-85 lbs	11-27	0.05	300 lbs	-188 lbs	2-35	0.14	-710 lbs	-710 lbs
11-29	0.17	299 lbs	-260 lbs	27-28	0.24	321 lbs	-109 lbs	28-29	0.05	436 lbs	-189 lbs	5-36	0.02	127 lbs	-71 lbs
29-31	0.29	271 lbs	-237 lbs	28-30	0.42	407 lbs	-220 lbs	30-31	0.09	752 lbs	-434 lbs	5-37	0.16	1134 lbs	-783 lbs
31-33	0.46	580 lbs	-366 lbs	30-32	0.63	601 lbs	-518 lbs	32-33	0.12	989 lbs	-605 lbs	6-48	0.06	484 lbs	-278 lbs
33-34	0.58	1152 lbs	-783 lbs	2-32	0.60	601 lbs	-518 lbs	2-3	0.67	-1791 lbs	-1791 lbs	6-47	0.35	2537 lbs	-1831 lbs
12-34	0.18	1179 lbs	-828 lbs	3-35	0.03	-32 lbs	-32 lbs	2-34	0.67	-1791 lbs	-1791 lbs	19-20	0.04	292 lbs	-159 lbs
12-37	0.86	1043 lbs	-751 lbs	35-36	0.85	-311 lbs	-311 lbs	12-35	0.13	584 lbs	-563 lbs	21-22	0.02	128 lbs	-48 lbs
37-38	0.64	-546 lbs	-546 lbs	4-36	0.85	70 lbs	-31 lbs	36-37	0.29	-1249 lbs	-1249 lbs	23-24	0.02	114 lbs	-81 lbs
38-40	0.52	-1154 lbs	-1154 lbs	5-39	0.58	1106 lbs	-731 lbs	4-5	0.14	115 lbs	-80 lbs	25-26	0.05	218 lbs	-207 lbs
40-42	0.50	-1609 lbs	-1609 lbs	39-41	0.56	1561 lbs	-1066 lbs	5-38	0.35	-1002 lbs	-1002 lbs	11-28	0.10	-403 lbs	-403 lbs
42-44	0.58	-1892 lbs	-1892 lbs	41-43	0.44	1844 lbs	-1271 lbs	39-40	0.04	-177 lbs	-177 lbs	29-30	0.16	-685 lbs	-685 lbs
13-44	0.65	-2045 lbs	-2045 lbs	43-45	0.79	1997 lbs	-1379 lbs	41-42	0.07	514 lbs	-360 lbs	31-32	0.24	-1093 lbs	-1093 lbs
13-46	0.66	-2331 lbs	-2331 lbs	6-45	0.77	2271 lbs	-1594 lbs	43-44	0.02	156 lbs	-86 lbs	2-34	0.29	-1395 lbs	-1395 lbs
46-48	0.86	-2646 lbs	-2646 lbs	7-47	0.63	1948 lbs	-1407 lbs	13-45	0.19	1237 lbs	-944 lbs	12-36	0.23	1321 lbs	-983 lbs
14-48	0.86	-2646 lbs	-2646 lbs	47-49	0.63	2405 lbs	-1763 lbs	6-7	0.67	1588 lbs	-1138 lbs	38-39	0.16	1011 lbs	-743 lbs
14-51	0.59	-2427 lbs	-2427 lbs	49-50	0.44	2405 lbs	-1763 lbs	6-46	0.67	1588 lbs	-1138 lbs	39-42	0.17	-779 lbs	-779 lbs
51-53	0.59	-2154 lbs	-2154 lbs	50-52	0.44	2132 lbs	-1555 lbs	47-48	0.14	-665 lbs	-665 lbs	41-44	0.10	-484 lbs	-484 lbs
53-55	0.62	-1722 lbs	-1722 lbs	52-54	0.66	1700 lbs	-1227 lbs	14-49	0.06	-289 lbs	-289 lbs	13-43	0.06	-270 lbs	-270 lbs
15-55	0.65	-1148 lbs	-1148 lbs	54-56	0.66	1126 lbs	-792 lbs	50-51	0.11	-555 lbs	-555 lbs	14-47	0.21	-1044 lbs	-1044 lbs
15-57	0.65	-446 lbs	-446 lbs	17-56	0.51	392 lbs	-238 lbs	52-53	0.14	-723 lbs	-723 lbs	49-51	0.07	478 lbs	-365 lbs
16-57	0.33	61 lbs	-4 lbs	8-17	0.35	0 lbs	0 lbs	54-55	0.20	-1036 lbs	-1036 lbs	50-53	0.11	729 lbs	-554 lbs

TRUSS TB18 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.69 (3 - 7)	TL(V): 0.05 in.	L / 999	(13-15)	L / 90
BC :	0.57 (1 - 6)	LL(V): 0.03 in.	L / 999	(13-15)	L / 90
Web :	0.17 (6 - 7)	DL(V): 0.01 in.	L / 999	(12-14)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(13-15)	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
1	HRoll		0 lbs	710 lbs	0 lbs	-410 lbs	0 lbs
2	Pin		-60 lbs	710 lbs	0 lbs	-360 lbs	-60 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-3-2	14-9-15

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

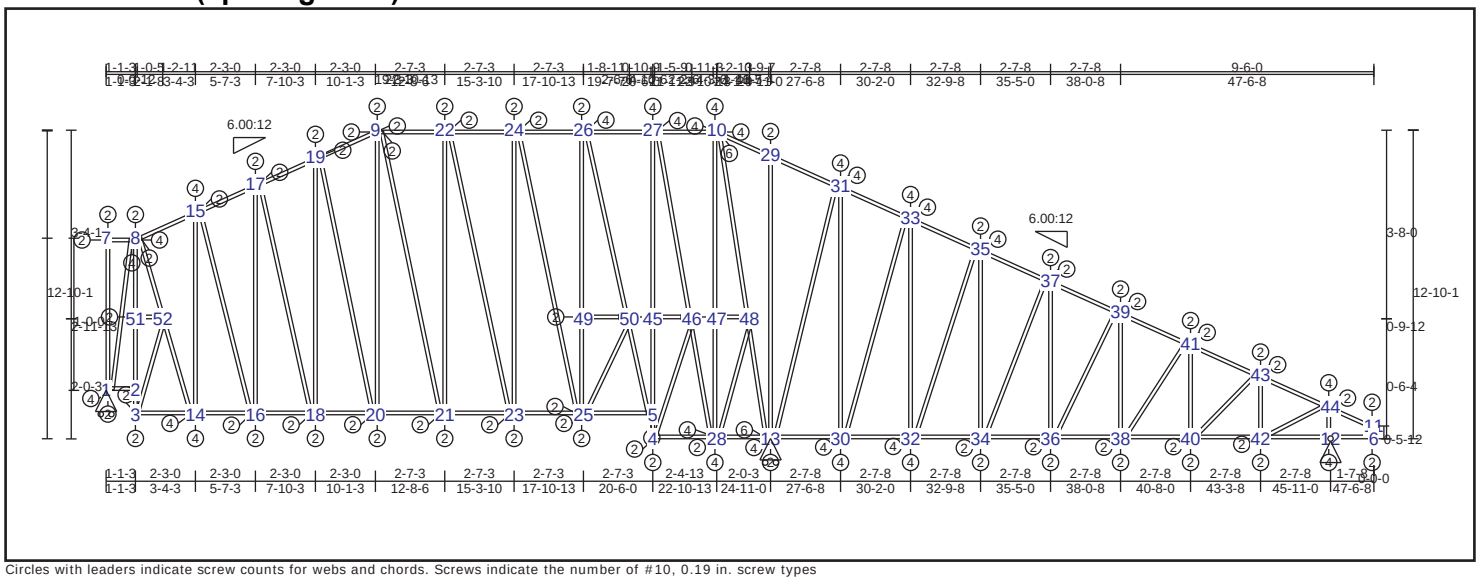
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.69	-465 lbs	-465 lbs	1-6	0.57	465 lbs	-270 lbs	1-3	0.15	-737 lbs	-737 lbs
7-9	0.50	-839 lbs	-839 lbs	6-8	0.57	839 lbs	-488 lbs	6-7	0.17	-852 lbs	-852 lbs
9-11	0.36	-1084 lbs	-1084 lbs	8-10	0.33	1084 lbs	-631 lbs	8-9	0.11	-553 lbs	-553 lbs
11-13	0.36	-1213 lbs	-1213 lbs	10-12	0.23	1213 lbs	-707 lbs	12-13	0.03	-161 lbs	-161 lbs
13-15	0.30	-1223 lbs	-1223 lbs	12-14	0.18	1223 lbs	-712 lbs	14-15	0.03	-148 lbs	-148 lbs
15-17	0.34	-1223 lbs	-1223 lbs	14-16	0.21	1223 lbs	-712 lbs	16-17	0.07	-327 lbs	-327 lbs
17-19	0.43	-1114 lbs	-1114 lbs	16-18	0.39	1114 lbs	-650 lbs	18-19	0.12	-606 lbs	-606 lbs
4-19	0.63	-885 lbs	-885 lbs	18-20	0.39	885 lbs	-517 lbs	4-20	0.10	-469 lbs	-469 lbs
4-5	0.64	-572 lbs	-572 lbs	2-20	0.25	526 lbs	-308 lbs	2-5	0.14	-710 lbs	-710 lbs
								10-11	0.08	-376 lbs	-376 lbs
								3-6	0.11	938 lbs	-546 lbs
								7-8	0.09	724 lbs	-422 lbs
								9-10	0.06	476 lbs	-277 lbs
								11-12	0.03	249 lbs	-146 lbs
								13-14	0.00	-19 lbs	-19 lbs
								14-17	0.03	209 lbs	-120 lbs
								16-19	0.05	443 lbs	-257 lbs
								4-18	0.09	725 lbs	-423 lbs
								5-20	0.08	674 lbs	-353 lbs

TRUSS TC01 (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 (7 - 8)	TL(V): 0.09 in.	L / 999	(9-22)	L / 90
BC :	0.97 (28 - 13)	LL(V): 0.06 in.	L / 999	(9-22)	L / 90
Web :	0.63 (2-51)	DL(V): 0.03 in.	L / 999	(21-23)	L / 0
		Cant / OH TL: 0.06 in.	2L / 999	(9-22)	2L / 90
		Cant / OH LL: 0.06 in.	2L / 999	(9-22)	2L / 90
		Horiz TL: -0.04 in.		48	
		Web :			
		Snow/Wind -0.07 in.	L / 999	(44-11)	L / 90
		Cant (Snow/Wind) -0.07 in.	L / 599	(44-11)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1020 lbs	0 lbs	-520 lbs	0 lbs
12	Pin		-700 lbs	940 lbs	0 lbs	-430 lbs	-700 lbs
13	HRoll		0 lbs	2640 lbs	0 lbs	-1570 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-10-3	47-6-8

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

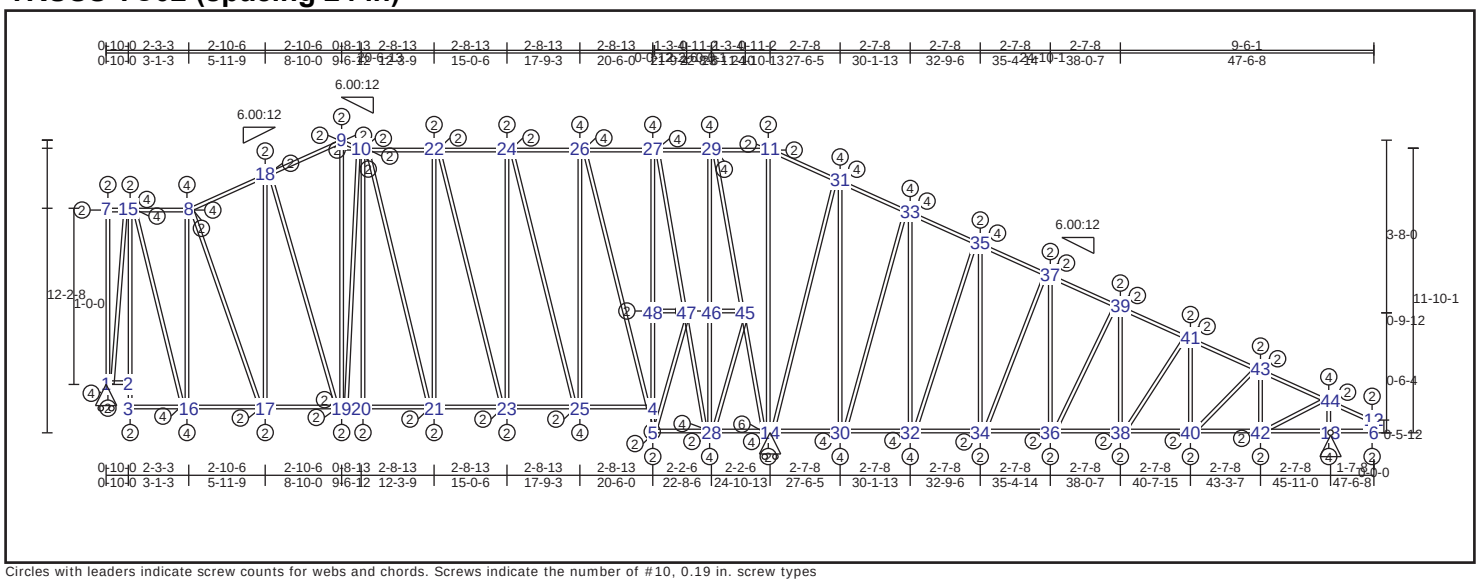
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
7-8	0.82	-151 lbs	-151 lbs	4-28	0.62	-153 lbs	-153 lbs	1-7	0.04	199 lbs	-127 lbs	47-48	0.00	-4 lbs	-4 lbs
8-15	0.52	-659 lbs	-659 lbs	13-28	0.97	-373 lbs	-373 lbs	14-15	0.37	-769 lbs	-769 lbs	4-5	0.06	88 lbs	-48 lbs
15-17	0.35	-659 lbs	-659 lbs	13-30	0.97	-373 lbs	-373 lbs	16-17	0.21	-365 lbs	-365 lbs	5-45	0.60	1004 lbs	-643 lbs
17-19	0.22	-648 lbs	-648 lbs	30-32	0.52	-169 lbs	-169 lbs	18-19	0.08	-111 lbs	-111 lbs	27-45	0.32	1004 lbs	-643 lbs
9-19	0.20	-615 lbs	-615 lbs	32-34	0.42	-379 lbs	-379 lbs	9-20	0.19	-243 lbs	-243 lbs	4-46	0.01	-42 lbs	-42 lbs
9-22	0.23	550 lbs	-523 lbs	34-36	0.31	-579 lbs	-579 lbs	21-22	0.07	119 lbs	-93 lbs	45-46	0.00	21 lbs	-11 lbs
22-24	0.31	532 lbs	-508 lbs	36-38	0.23	-760 lbs	-760 lbs	23-24	0.20	432 lbs	-250 lbs	25-49	0.09	721 lbs	-428 lbs
24-26	0.36	486 lbs	-435 lbs	38-40	0.19	-905 lbs	-905 lbs	13-29	0.06	123 lbs	-75 lbs	26-49	0.19	721 lbs	-428 lbs
26-27	0.51	416 lbs	-321 lbs	40-42	0.21	-943 lbs	-943 lbs	30-31	0.56	928 lbs	-847 lbs	25-50	0.00	8 lbs	-5 lbs
10-27	0.62	316 lbs	-176 lbs	12-42	0.34	-943 lbs	-943 lbs	32-33	0.41	830 lbs	-746 lbs	49-50	0.00	-2 lbs	-2 lbs
10-29	0.72	-494 lbs	-494 lbs	6-12	0.25	0 lbs	0 lbs	34-35	0.25	634 lbs	-583 lbs	2-3	0.34	54 lbs	-33 lbs
29-31	0.56	564 lbs	-414 lbs	1-2	0.89	151 lbs	-103 lbs	36-37	0.14	450 lbs	-429 lbs	2-51	0.63	203 lbs	-131 lbs
31-33	0.53	564 lbs	-414 lbs	3-14	0.39	344 lbs	-227 lbs	38-39	0.06	-261 lbs	-261 lbs	8-51	0.13	203 lbs	-131 lbs
33-35	0.45	284 lbs	-235 lbs	14-16	0.39	441 lbs	-275 lbs	40-41	0.01	-64 lbs	-64 lbs	3-52	0.01	-76 lbs	-76 lbs
35-37	0.37	-386 lbs	-386 lbs	16-18	0.17	469 lbs	-275 lbs	42-43	0.05	-345 lbs	-345 lbs	51-52	0.00	33 lbs	-24 lbs
37-39	0.33	-587 lbs	-587 lbs	18-20	0.12	469 lbs	-270 lbs	6-11	0.01	59 lbs	-7 lbs	8-52	0.09	733 lbs	-468 lbs
39-41	0.29	-771 lbs	-771 lbs	20-21	0.12	446 lbs	-256 lbs	12-44	0.12	-903 lbs	-903 lbs	14-52	0.26	799 lbs	-515 lbs
41-43	0.30	-845 lbs	-845 lbs	21-23	0.22	432 lbs	-256 lbs	28-47	0.20	1245 lbs	-820 lbs	15-16	0.13	440 lbs	-249 lbs
43-44	0.47	-831 lbs	-831 lbs	23-25	0.37	358 lbs	-218 lbs	10-47	0.37	1245 lbs	-820 lbs	17-18	0.05	147 lbs	-81 lbs
11-44	0.28	62 lbs	-3 lbs	5-25	0.27	236 lbs	-142 lbs	28-48	0.00	24 lbs	-15 lbs	19-20	0.09	246 lbs	-133 lbs

TRUSS TC02 (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 (7 - 15)	TL(V): 0.09 in.	L / 999	(10-22)	L / 90
BC :	0.90 (28 - 14)	LL(V): 0.06 in.	L / 999	(10-22)	L / 90
Web :	0.87 (2 - 15)	DL(V): 0.03 in.	L / 999	(20-21)	L / 0
		Cant / OH TL: 0.06 in.	2L / 999	(10-22)	2L / 90
		Cant / OH LL: 0.06 in.	2L / 999	(10-22)	2L / 90
		Horiz TL: -0.03 in.		48	
		Web :			
		Snow/Wind -0.07 in.	L / 999	(10-22)	L / 90
		Cant (Snow/Wind) -0.07 in.	L / 999	(10-22)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	960 lbs	0 lbs	-470 lbs	0 lbs
13	Pin		-730 lbs	870 lbs	0 lbs	-380 lbs	-730 lbs
14	HRoll		0 lbs	2760 lbs	0 lbs	-1680 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-2-4	47-6-8

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

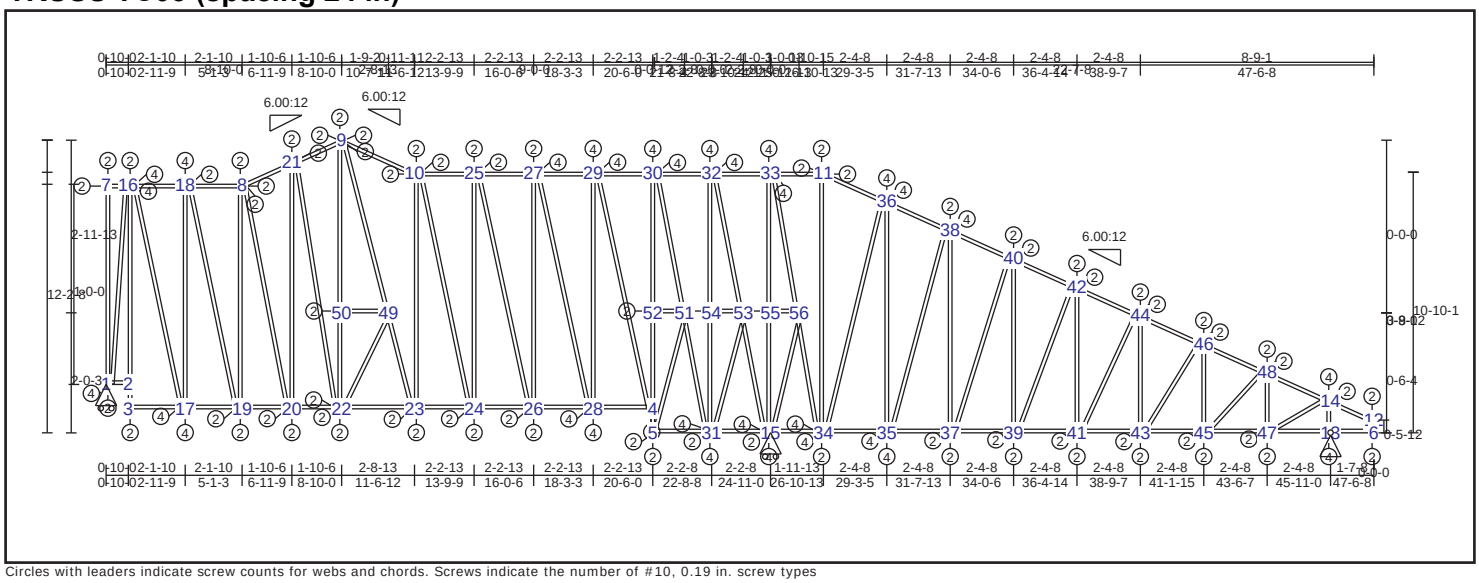
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
7-15	0.78	-94 lbs	-94 lbs	1-2	0.88	94 lbs	-62 lbs	1-7	0.07	261 lbs	-172 lbs	4-5	0.08	63 lbs	-36 lbs
8-15	0.62	-295 lbs	-295 lbs	3-16	0.43	295 lbs	-190 lbs	2-3	0.24	21 lbs	-21 lbs	4-48	0.87	1041 lbs	-696 lbs
8-18	0.40	-573 lbs	-573 lbs	16-17	0.20	419 lbs	-259 lbs	2-15	0.87	137 lbs	-82 lbs	27-48	0.25	1041 lbs	-696 lbs
9-18	0.37	-573 lbs	-573 lbs	17-19	0.21	421 lbs	-259 lbs	8-16	0.41	-878 lbs	-878 lbs	5-47	0.00	-10 lbs	-10 lbs
9-10	0.15	-550 lbs	-550 lbs	19-20	0.21	437 lbs	-269 lbs	17-18	0.21	-348 lbs	-348 lbs	47-48	0.00	7 lbs	-4 lbs
11-31	0.58	711 lbs	-537 lbs	20-21	0.11	437 lbs	-271 lbs	9-19	0.25	386 lbs	-349 lbs	28-46	0.22	1319 lbs	-894 lbs
31-33	0.54	711 lbs	-537 lbs	21-23	0.24	419 lbs	-271 lbs	10-20	0.00	31 lbs	-4 lbs	29-46	0.33	1319 lbs	-894 lbs
33-35	0.46	425 lbs	-355 lbs	23-25	0.38	327 lbs	-217 lbs	21-22	0.07	137 lbs	-107 lbs	28-45	0.00	22 lbs	-15 lbs
35-37	0.38	-254 lbs	-254 lbs	4-25	0.38	169 lbs	-113 lbs	23-24	0.18	468 lbs	-263 lbs	45-46	0.00	-4 lbs	-4 lbs
37-39	0.32	-460 lbs	-460 lbs	5-28	0.65	-259 lbs	-259 lbs	25-26	0.33	759 lbs	-477 lbs	8-17	0.13	418 lbs	-259 lbs
39-41	0.28	-654 lbs	-654 lbs	14-28	0.90	-491 lbs	-491 lbs	11-14	0.25	-316 lbs	-316 lbs	18-19	0.02	127 lbs	-28 lbs
41-43	0.28	-740 lbs	-740 lbs	14-30	0.62	-491 lbs	-491 lbs	30-31	0.57	945 lbs	-854 lbs	10-21	0.06	96 lbs	-82 lbs
43-44	0.45	-734 lbs	-734 lbs	30-32	0.52	-256 lbs	-256 lbs	32-33	0.41	840 lbs	-755 lbs	22-23	0.30	-424 lbs	-424 lbs
12-44	0.28	62 lbs	-4 lbs	32-34	0.42	-306 lbs	-306 lbs	34-35	0.25	648 lbs	-595 lbs	24-25	0.52	-728 lbs	-728 lbs
10-22	0.23	-479 lbs	-479 lbs	34-36	0.32	-510 lbs	-510 lbs	36-37	0.14	465 lbs	-442 lbs	4-26	0.74	-1039 lbs	-1039 lbs
22-24	0.33	-462 lbs	-462 lbs	36-38	0.23	-697 lbs	-697 lbs	38-39	0.06	-278 lbs	-278 lbs	14-31	0.75	-1073 lbs	-1073 lbs
24-26	0.39	-370 lbs	-370 lbs	38-40	0.19	-853 lbs	-853 lbs	40-41	0.02	-86 lbs	-86 lbs	30-33	0.57	-994 lbs	-994 lbs
26-27	0.55	266 lbs	-212 lbs	40-42	0.20	-910 lbs	-910 lbs	42-43	0.04	-303 lbs	-303 lbs	32-35	0.38	-815 lbs	-815 lbs
27-29	0.65	232 lbs	-80 lbs	13-42	0.37	-910 lbs	-910 lbs	6-12	0.01	61 lbs	-9 lbs	34-37	0.23	-643 lbs	-643 lbs
11-29	0.72	448 lbs	-241 lbs	6-13	0.26	0 lbs	0 lbs	13-44	0.11	-829 lbs	-829 lbs	36-39	0.12	469 lbs	-458 lbs
												38-41	0.05	309 lbs	-251 lbs

TRUSS TC03 (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 :	0.76 (32 - 33)	TL(V): 0.11 in.	L / 327	(9-10)	L / 90
BC :	0.94 (31 - 15)	LL(V): 0.07 in.	L / 489	(9-10)	L / 90
Web :	0.79 (2 - 16)	DL(V): 0.04 in.	L / 987	(9-10)	L / 0
		Cant / OH TL: 0.07 in.	2L / 999	(9-10)	2L / 90
		Cant / OH LL: 0.07 in.	2L / 999	(9-10)	2L / 90
		Horiz TL: -0.03 in.		52	
		Web :			
		Snow/Wind -0.08 in.	L / 441	(9-10)	L / 90
		Cant (Snow/Wind) -0.08 in.	L / 999	(9-10)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	990 lbs	0 lbs	-530 lbs	0 lbs
13	Pin		-780 lbs	910 lbs	0 lbs	-430 lbs	-780 lbs
15	HRoll		0 lbs	4250 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-2-3	47-6-8

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

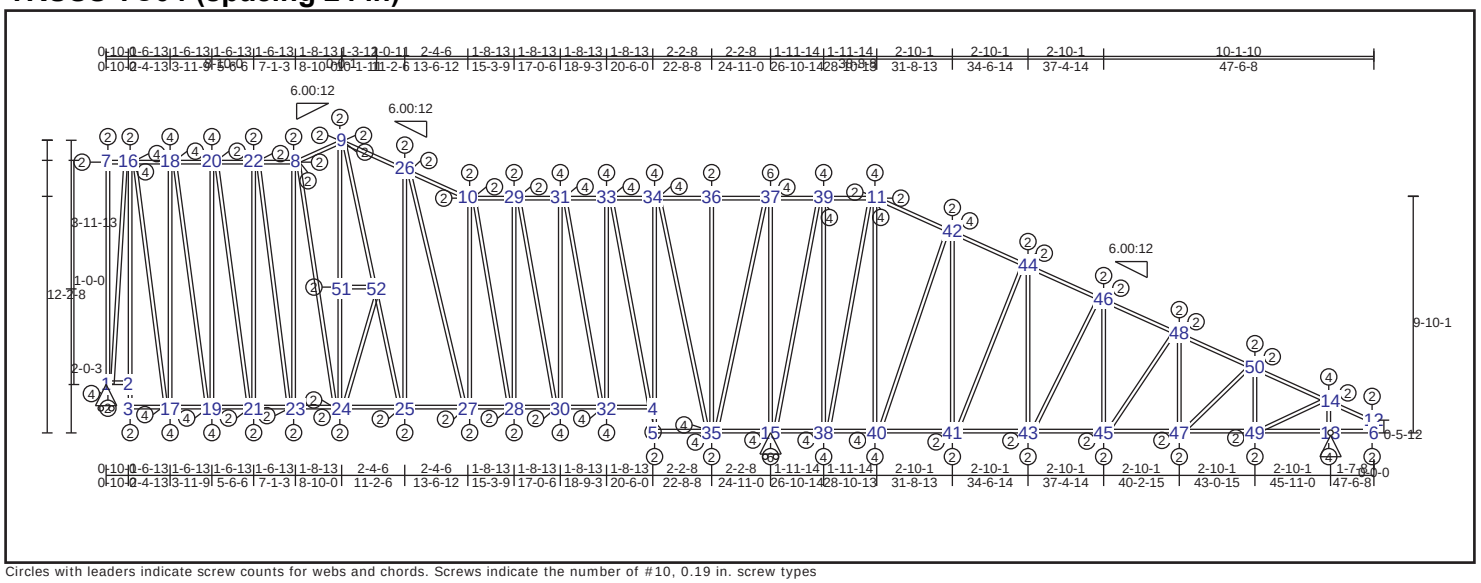
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
7-16	0.76	-84 lbs	-84 lbs	1-2	0.89	84 lbs	-60 lbs	1-7	0.08	240 lbs	-169 lbs	22-49	0.00	-3 lbs	-3 lbs
16-18	0.69	-271 lbs	-271 lbs	3-17	0.50	271 lbs	-191 lbs	2-3	0.22	24 lbs	-21 lbs	49-50	0.00	0 lbs	0 lbs
8-18	0.52	-403 lbs	-403 lbs	17-19	0.50	403 lbs	-282 lbs	2-16	0.79	150 lbs	-97 lbs	4-5	0.01	81 lbs	-53 lbs
8-21	0.20	-597 lbs	-597 lbs	19-20	0.12	447 lbs	-308 lbs	17-18	0.56	-1005 lbs	-1005 lbs	4-52	0.79	1065 lbs	-735 lbs
9-21	0.18	-557 lbs	-557 lbs	20-22	0.10	447 lbs	-308 lbs	8-19	0.36	-645 lbs	-645 lbs	30-52	0.22	1065 lbs	-735 lbs
9-10	0.40	-639 lbs	-639 lbs	22-23	0.14	510 lbs	-352 lbs	20-21	0.13	-204 lbs	-204 lbs	5-51	0.01	-26 lbs	-26 lbs
10-25	0.26	-519 lbs	-519 lbs	23-24	0.18	510 lbs	-352 lbs	10-23	0.15	-257 lbs	-257 lbs	51-52	0.00	15 lbs	-11 lbs
25-27	0.28	-468 lbs	-468 lbs	24-26	0.28	459 lbs	-324 lbs	24-25	0.11	343 lbs	-188 lbs	31-54	0.22	1277 lbs	-889 lbs
27-29	0.41	-364 lbs	-364 lbs	26-28	0.41	355 lbs	-256 lbs	26-27	0.22	575 lbs	-363 lbs	32-54	0.26	1277 lbs	-889 lbs
29-30	0.52	222 lbs	-211 lbs	4-28	0.41	202 lbs	-150 lbs	28-29	0.34	846 lbs	-566 lbs	31-53	0.00	24 lbs	-17 lbs
30-32	0.66	216 lbs	-116 lbs	5-31	0.63	-222 lbs	-222 lbs	11-34	0.21	-305 lbs	-305 lbs	53-54	0.00	-5 lbs	-5 lbs
32-33	0.76	448 lbs	-248 lbs	15-31	0.94	-461 lbs	-461 lbs	35-36	0.51	975 lbs	-868 lbs	15-55	0.38	-1462 lbs	-1462 lbs
11-33	0.66	445 lbs	-246 lbs	15-34	0.81	-461 lbs	-461 lbs	37-38	0.32	726 lbs	-661 lbs	33-55	0.44	-1462 lbs	-1462 lbs
11-36	0.54	486 lbs	-328 lbs	34-35	0.78	-248 lbs	-248 lbs	39-40	0.20	580 lbs	-536 lbs	15-56	0.01	-42 lbs	-42 lbs
36-38	0.47	486 lbs	-328 lbs	35-37	0.50	-357 lbs	-357 lbs	41-42	0.11	398 lbs	-384 lbs	55-56	0.00	7 lbs	-6 lbs
38-40	0.39	-221 lbs	-221 lbs	37-39	0.35	-544 lbs	-544 lbs	43-44	0.05	-227 lbs	-227 lbs	16-17	0.40	1002 lbs	-705 lbs
40-42	0.32	-415 lbs	-415 lbs	39-41	0.29	-719 lbs	-719 lbs	45-46	0.01	-63 lbs	-63 lbs	18-19	0.28	722 lbs	-495 lbs
42-44	0.28	-587 lbs	-587 lbs	41-43	0.21	-875 lbs	-875 lbs	47-48	0.05	-360 lbs	-360 lbs	8-20	0.09	259 lbs	-153 lbs
44-46	0.25	-737 lbs	-737 lbs	43-45	0.19	-994 lbs	-994 lbs	13-14	0.11	-863 lbs	-863 lbs	21-22	0.02	92 lbs	-29 lbs
46-48	0.26	-789 lbs	-789 lbs	45-47	0.21	-1004 lbs	-1004 lbs	6-12	0.01	63 lbs	-10 lbs	10-24	0.17	-278 lbs	-278 lbs
14-48	0.45	-770 lbs	-770 lbs	13-47	0.39	-1004 lbs	-1004 lbs	22-50	0.02	-86 lbs	-86 lbs	25-26	0.34	-545 lbs	-545 lbs
12-14	0.27	62 lbs	-4 lbs	6-13	0.28	0 lbs	0 lbs	9-50	0.06	-86 lbs	-86 lbs	27-28	0.50	-802 lbs	-802 lbs

TRUSS TC04 (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 :	0.85 (36 - 37)	TL(V): 0.13 in.	L / 492	(26-10)	L / 90
BC :	0.92 (5 - 35)	LL(V): 0.09 in.	L / 741	(26-10)	L / 90
Web :	0.95 (4 - 34)	DL(V): 0.04 in.	L / 999	(25-27)	L / 0
		Cant / OH TL: 0.09 in.	2L / 999	(26-10)	2L / 90
		Cant / OH LL: 0.09 in.	2L / 999	(26-10)	2L / 90
		Horiz TL: -0.02 in.		3	
		Web :			
		Snow/Wind -0.09 in.	L / 668	(26-10)	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 999	(26-10)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	980 lbs	0 lbs	-480 lbs	0 lbs
13	Pin		-820 lbs	880 lbs	0 lbs	-360 lbs	-820 lbs
15	HRoll		0 lbs	2730 lbs	0 lbs	-1670 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-2-2	47-6-8

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

Material Design Pass

Member Forces Summary

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

Top Chord

7-16	0.72	-74 lbs	-74 lbs
16-18	0.75	-201 lbs	-201 lbs
18-20	0.51	-305 lbs	-305 lbs
20-22	0.37	-387 lbs	-387 lbs
8-22	0.30	-442 lbs	-442 lbs
9-26	0.26	-627 lbs	-627 lbs
10-26	0.30	-627 lbs	-627 lbs
10-29	0.37	-488 lbs	-488 lbs
29-31	0.36	-407 lbs	-407 lbs
31-33	0.47	-293 lbs	-293 lbs
33-34	0.54	-147 lbs	-147 lbs
34-36	0.60	285 lbs	-285 lbs
36-37	0.85	556 lbs	-471 lbs
37-39	0.85	556 lbs	-471 lbs
11-39	0.78	333 lbs	-274 lbs
11-42	0.49	-262 lbs	-262 lbs
42-44	0.43	-262 lbs	-262 lbs
44-46	0.35	-403 lbs	-403 lbs
46-48	0.32	-631 lbs	-631 lbs
48-50	0.30	-743 lbs	-743 lbs
14-50	0.46	-743 lbs	-743 lbs
12-14	0.28	62 lbs	-4 lbs
8-9	0.18	-537 lbs	-537 lbs

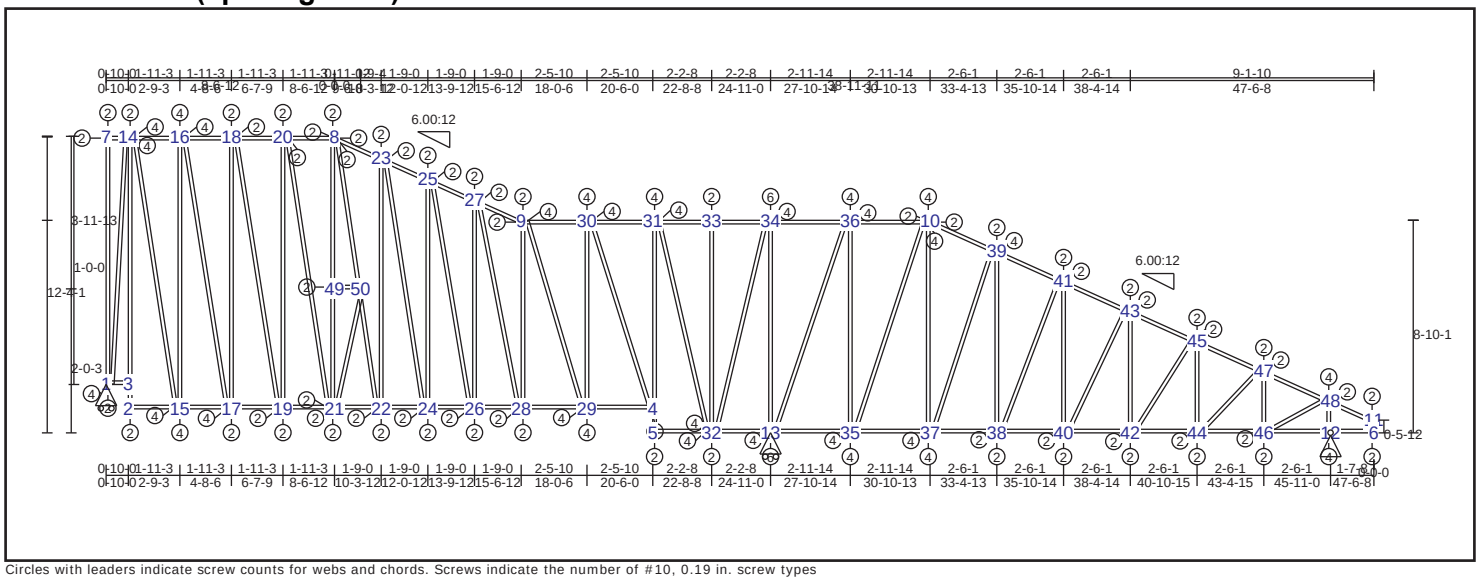
Bot Chord

1-2	0.87	74 lbs	-49 lbs
3-17	0.54	201 lbs	-130 lbs
17-19	0.54	305 lbs	-195 lbs
19-21	0.39	387 lbs	-243 lbs
21-23	0.31	442 lbs	-279 lbs
23-24	0.10	444 lbs	-290 lbs
24-25	0.17	508 lbs	-349 lbs
25-27	0.16	514 lbs	-357 lbs
27-28	0.29	514 lbs	-357 lbs
28-30	0.35	433 lbs	-310 lbs
30-32	0.46	319 lbs	-239 lbs
4-32	0.46	172 lbs	-143 lbs
5-35	0.92	-260 lbs	-260 lbs
15-35	0.86	-530 lbs	-530 lbs
15-38	0.67	-530 lbs	-530 lbs
38-40	0.67	-308 lbs	-308 lbs
40-41	0.41	-286 lbs	-286 lbs
41-43	0.36	-513 lbs	-513 lbs
43-45	0.26	-722 lbs	-722 lbs
45-47	0.22	-902 lbs	-902 lbs
47-49	0.22	-989 lbs	-989 lbs
13-49	0.39	-989 lbs	-989 lbs
6-13	0.27	0 lbs	0 lbs

Web

1-7	0.08	217 lbs	-138 lbs
2-3	0.20	-47 lbs	-47 lbs
2-16	0.95	132 lbs	-80 lbs
17-18	0.74	-1133 lbs	-1133 lbs
19-20	0.53	-818 lbs	-818 lbs
21-22	0.42	-651 lbs	-651 lbs
8-23	0.27	-424 lbs	-424 lbs
25-26	0.19	311 lbs	-305 lbs
10-27	0.02	-46 lbs	-46 lbs
28-29	0.17	596 lbs	-334 lbs
30-31	0.23	746 lbs	-455 lbs
32-33	0.33	984 lbs	-648 lbs
4-5	0.03	125 lbs	-82 lbs
4-34	0.95	1180 lbs	-785 lbs
35-36	0.12	-198 lbs	-198 lbs
15-37	0.95	-1575 lbs	-1575 lbs
38-39	0.73	1380 lbs	-1210 lbs
11-40	0.49	909 lbs	-821 lbs
41-42	0.30	707 lbs	-643 lbs
43-44	0.17	510 lbs	-479 lbs
45-46	0.08	-309 lbs	-309 lbs
47-48	0.02	-113 lbs	-113 lbs
49-50	0.04	-279 lbs	-279 lbs
13-14	0.11	-833 lbs	-833 lbs
6-12	0.01	61 lbs	-8 lbs
24-51	0.02	90 lbs	-71 lbs
9-51	0.03	90 lbs	-71 lbs
24-52	0.00	4 lbs	-3 lbs
51-52	0.00	0 lbs	0 lbs
16-17	0.47	1103 lbs	-710 lbs
18-19	0.36	872 lbs	-545 lbs
20-21	0.30	690 lbs	-460 lbs
22-23	0.24	490 lbs	-365 lbs
9-52	0.10	336 lbs	-312 lbs
25-52	0.26	339 lbs	-316 lbs
26-27	0.02	41 lbs	-37 lbs
10-28	0.28	-541 lbs	-541 lbs
29-30	0.38	-725 lbs	-725 lbs
31-32	0.49	-932 lbs	-932 lbs
4-33	0.61	-1180 lbs	-1180 lbs
35-37	0.61	1436 lbs	-986 lbs
15-39	0.82	-1331 lbs	-1331 lbs
11-38	0.82	-1342 lbs	-1342 lbs
40-42	0.45	-867 lbs	-867 lbs
41-44	0.28	-703 lbs	-703 lbs
43-46	0.15	513 lbs	-507 lbs
45-48	0.06	349 lbs	-296 lbs
47-50	0.01	144 lbs	-66 lbs
14-49	0.06	645 lbs	-189 lbs
1-16	0.76	-1371 lbs	-1371 lbs
8-24	0.05	-81 lbs	-81 lbs
34-35	0.79	-1271 lbs	-1271 lbs

TRUSS TC05 (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 (33 - 34)	TL(V): 0.11 in.	L / 856	(25-27)	L / 90
BC :	0.94 (5 - 32)	LL(V): 0.07 in.	L / 999	(25-27)	L / 90
Web :	0.76 (3 - 14)	DL(V): 0.04 in.	L / 999	(25-27)	L / 0
		Cant / OH TL: 0.07 in.	2L / 999	(25-27)	2L / 90
		Cant / OH LL: 0.07 in.	2L / 999	(25-27)	2L / 90
		Horiz TL: -0.01 in.		41	
		Web :			
		Snow/Wind -0.08 in.	L / 999	(25-27)	L / 90
		Cant (Snow/Wind) -0.08 in.	L / 999	(25-27)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	970 lbs	0 lbs	-490 lbs	0 lbs
12	Pin		-870 lbs	850 lbs	0 lbs	-340 lbs	-870 lbs
13	HRoll		0 lbs	2770 lbs	0 lbs	-1690 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-4-1	47-6-8

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

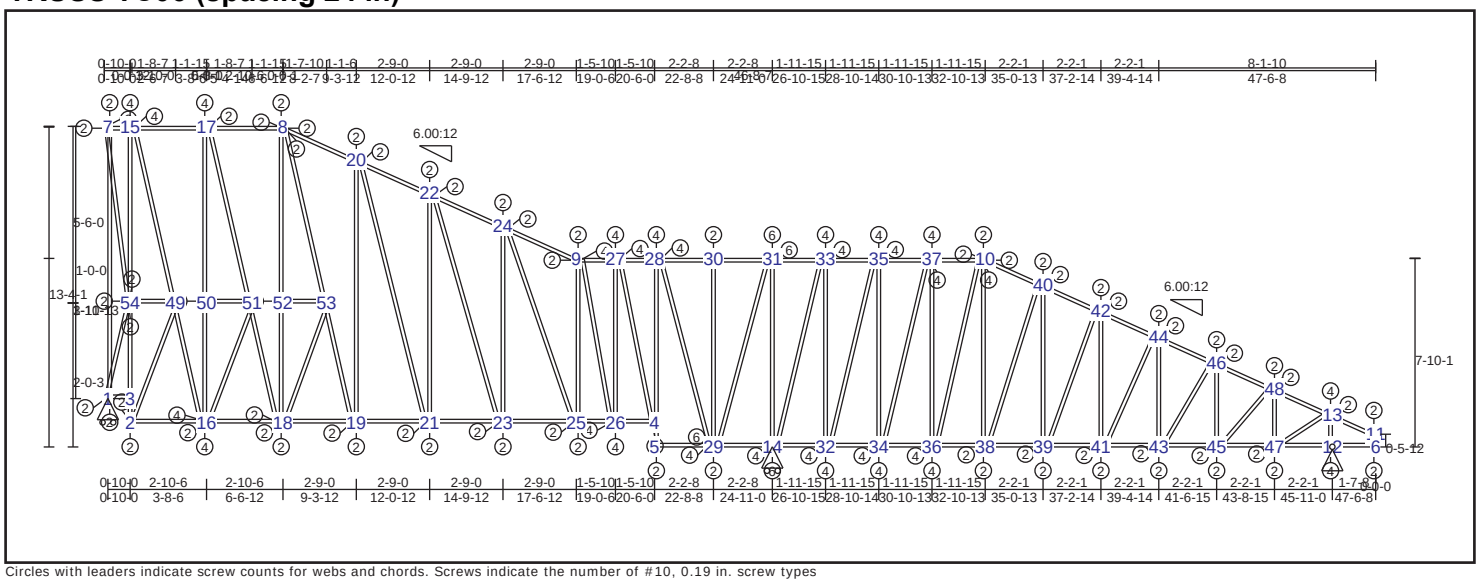
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
7-14	0.73	-67 lbs	-67 lbs	1-3	0.86	67 lbs	-45 lbs	1-7	0.09	222 lbs	-146 lbs	6-11	0.01	63 lbs	-10 lbs
14-16	0.71	-205 lbs	-205 lbs	2-15	0.50	205 lbs	-136 lbs	2-3	0.18	-29 lbs	-29 lbs	12-48	0.11	-806 lbs	-806 lbs
16-18	0.50	-311 lbs	-311 lbs	15-17	0.50	311 lbs	-202 lbs	3-14	0.76	156 lbs	-97 lbs	21-49	0.07	262 lbs	-250 lbs
18-20	0.33	-387 lbs	-387 lbs	17-19	0.33	387 lbs	-251 lbs	15-16	0.76	-1025 lbs	-1025 lbs	8-49	0.09	262 lbs	-250 lbs
8-20	0.25	-426 lbs	-426 lbs	19-21	0.24	426 lbs	-288 lbs	17-18	0.51	-694 lbs	-694 lbs	21-50	0.00	-9 lbs	-9 lbs
8-23	0.23	-572 lbs	-572 lbs	21-22	0.18	476 lbs	-335 lbs	19-20	0.36	-492 lbs	-492 lbs	49-50	0.00	1 lbs	-1 lbs
23-25	0.21	-572 lbs	-572 lbs	22-24	0.18	500 lbs	-357 lbs	22-23	0.24	-360 lbs	-360 lbs	14-15	0.50	1013 lbs	-664 lbs
25-27	0.14	-561 lbs	-561 lbs	24-26	0.08	500 lbs	-357 lbs	24-25	0.07	137 lbs	-122 lbs	16-17	0.37	754 lbs	-499 lbs
9-27	0.18	-576 lbs	-576 lbs	26-28	0.14	491 lbs	-351 lbs	26-27	0.05	-98 lbs	-98 lbs	18-19	0.30	536 lbs	-397 lbs
9-30	0.49	-381 lbs	-381 lbs	28-29	0.42	441 lbs	-308 lbs	9-28	0.11	338 lbs	-261 lbs	20-21	0.21	292 lbs	-277 lbs
30-31	0.53	-269 lbs	-269 lbs	4-29	0.42	237 lbs	-181 lbs	29-30	0.21	824 lbs	-499 lbs	8-50	0.11	376 lbs	-344 lbs
31-33	0.63	-453 lbs	-453 lbs	5-32	0.94	-328 lbs	-328 lbs	4-5	0.04	128 lbs	-83 lbs	22-50	0.29	385 lbs	-353 lbs
33-34	0.82	692 lbs	-660 lbs	13-32	0.87	-632 lbs	-632 lbs	4-31	0.76	1122 lbs	-734 lbs	23-24	0.11	170 lbs	-161 lbs
34-36	0.82	692 lbs	-660 lbs	13-35	0.65	-632 lbs	-632 lbs	32-33	0.10	-196 lbs	-196 lbs	25-26	0.03	87 lbs	-55 lbs
10-36	0.63	-319 lbs	-319 lbs	35-37	0.57	-249 lbs	-249 lbs	13-34	0.76	-1592 lbs	-1592 lbs	27-28	0.15	-295 lbs	-295 lbs
10-39	0.41	-191 lbs	-191 lbs	37-38	0.35	-427 lbs	-427 lbs	35-36	0.51	1116 lbs	-996 lbs	9-29	0.35	-792 lbs	-792 lbs
39-41	0.36	-266 lbs	-266 lbs	38-40	0.31	-622 lbs	-622 lbs	10-37	0.36	769 lbs	-700 lbs	4-31	0.48	-1085 lbs	-1085 lbs
41-43	0.29	-457 lbs	-457 lbs	40-42	0.22	-801 lbs	-801 lbs	38-39	0.23	622 lbs	-579 lbs	31-32	0.69	-1300 lbs	-1300 lbs
43-45	0.26	-634 lbs	-634 lbs	42-44	0.19	-949 lbs	-949 lbs	40-41	0.13	441 lbs	-430 lbs	32-34	0.52	1457 lbs	-991 lbs
45-47	0.26	-710 lbs	-710 lbs	44-46	0.20	-1006 lbs	-1006 lbs	42-43	0.06	-273 lbs	-273 lbs	13-36	0.72	-1319 lbs	-1319 lbs
47-48	0.44	-702 lbs	-702 lbs	12-46	0.41	-1006 lbs	-1006 lbs	44-45	0.02	-88 lbs	-88 lbs	10-35	0.60	-1101 lbs	-1101 lbs
11-48	0.27	62 lbs	-5 lbs	6-12	0.28	0 lbs	0 lbs	46-47	0.04	-308 lbs	-308 lbs				

TRUSS TC06 (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 (15 - 17)	TL(V): 0.21 in.	L / 376	(15-17)	L / 90
BC :	0.88 (1 - 3)	LL(V): 0.14 in.	L / 562	(15-17)	L / 90
Web :	0.44 (4 - 28)	DL(V): 0.07 in.	L / 999	(15-17)	L / 0
		Cant / OH TL: 0.14 in.	2L / 201	(15-17)	2L / 90
		Cant / OH LL: 0.14 in.	2L / 201	(15-17)	2L / 90
		Horiz TL: 0.07 in.		3	
		Web :			
		Snow/Wind -0.15 in.	L / 521	(15-17)	L / 90
		Cant (Snow/Wind) -0.15 in.	L / 186	(15-17)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	960 lbs	0 lbs	-470 lbs	0 lbs
12	Pin		-940 lbs	820 lbs	0 lbs	-310 lbs	-940 lbs
14	HRoll		0 lbs	2810 lbs	0 lbs	-1370 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-4-3	47-8-2

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

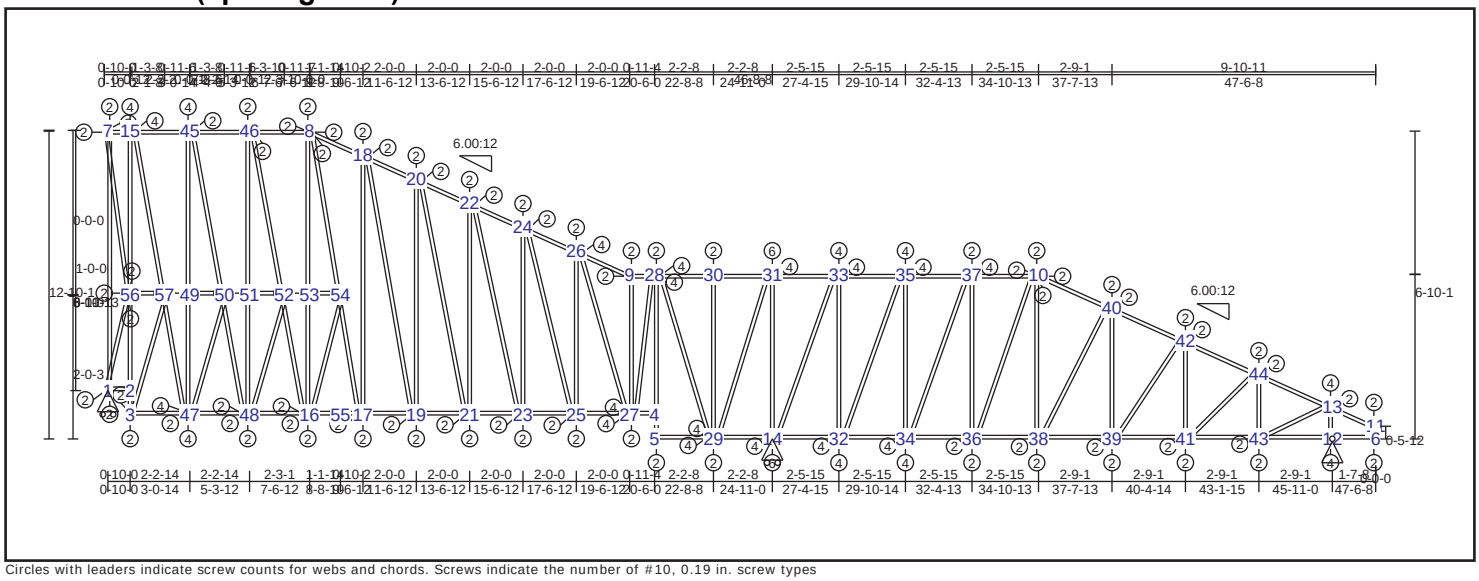
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
7-15	0.86	9 lbs	-6 lbs	1-3	0.88	0 lbs	0 lbs	1-7	0.05	-366 lbs	-366 lbs	17-50	0.39	-1015 lbs	-1015 lbs
15-17	0.86	-239 lbs	-239 lbs	2-16	0.55	239 lbs	-163 lbs	19-20	0.32	-458 lbs	-458 lbs	16-51	0.00	-3 lbs	-3 lbs
8-17	0.63	-343 lbs	-343 lbs	16-18	0.32	342 lbs	-250 lbs	21-22	0.07	133 lbs	-113 lbs	50-51	0.00	0 lbs	0 lbs
8-20	0.34	-545 lbs	-545 lbs	18-19	0.24	441 lbs	-340 lbs	23-24	0.07	224 lbs	-161 lbs	18-52	0.11	-421 lbs	-421 lbs
20-22	0.37	-545 lbs	-545 lbs	19-21	0.23	480 lbs	-375 lbs	9-25	0.19	706 lbs	-576 lbs	8-52	0.17	-421 lbs	-421 lbs
22-24	0.23	-536 lbs	-536 lbs	21-23	0.15	480 lbs	-375 lbs	26-27	0.23	1125 lbs	-690 lbs	18-53	0.00	-6 lbs	-6 lbs
9-24	0.35	-563 lbs	-563 lbs	23-25	0.29	437 lbs	-339 lbs	4-5	0.12	127 lbs	-69 lbs	52-53	0.00	1 lbs	-1 lbs
9-27	0.68	-361 lbs	-361 lbs	25-26	0.55	257 lbs	-180 lbs	4-28	0.44	1244 lbs	-731 lbs	2-3	0.28	-194 lbs	-194 lbs
27-28	0.53	-457 lbs	-457 lbs	4-26	0.53	77 lbs	-68 lbs	29-30	0.09	-203 lbs	-203 lbs	3-54	0.44	-777 lbs	-777 lbs
28-30	0.63	-634 lbs	-634 lbs	5-29	0.88	-440 lbs	-440 lbs	14-31	0.68	-1602 lbs	-1602 lbs	15-54	0.44	-777 lbs	-777 lbs
30-31	0.86	883 lbs	-828 lbs	14-29	0.88	-789 lbs	-789 lbs	32-33	0.45	1391 lbs	-1072 lbs	2-49	0.03	209 lbs	-138 lbs
31-33	0.86	883 lbs	-828 lbs	14-32	0.71	-789 lbs	-789 lbs	34-35	0.39	1107 lbs	-925 lbs	7-54	0.00	0 lbs	0 lbs
33-35	0.73	-605 lbs	-605 lbs	32-34	0.67	-495 lbs	-495 lbs	36-37	0.37	922 lbs	-872 lbs	1-54	0.00	0 lbs	0 lbs
35-37	0.52	-380 lbs	-380 lbs	34-36	0.53	-228 lbs	-228 lbs	10-38	0.27	678 lbs	-635 lbs	49-54	0.01	-111 lbs	-111 lbs
10-37	0.52	-183 lbs	-183 lbs	36-38	0.45	-389 lbs	-389 lbs	39-40	0.17	539 lbs	-520 lbs	15-49	0.65	1228 lbs	-837 lbs
10-40	0.34	-189 lbs	-189 lbs	38-39	0.31	-563 lbs	-563 lbs	41-42	0.10	-382 lbs	-382 lbs	16-49	0.16	1206 lbs	-822 lbs
40-42	0.30	-337 lbs	-337 lbs	39-41	0.26	-728 lbs	-728 lbs	43-44	0.05	-241 lbs	-241 lbs	17-51	0.17	508 lbs	-428 lbs
42-44	0.24	-489 lbs	-489 lbs	41-43	0.21	-876 lbs	-876 lbs	45-46	0.01	-88 lbs	-88 lbs	18-51	0.10	511 lbs	-431 lbs
44-46	0.21	-618 lbs	-618 lbs	43-45	0.19	-997 lbs	-997 lbs	47-48	0.05	-337 lbs	-337 lbs	8-53	0.18	492 lbs	-444 lbs
46-48	0.21	-663 lbs	-663 lbs	45-47	0.20	-1031 lbs	-1031 lbs	12-13	0.10	-770 lbs	-770 lbs	19-53	0.44	497 lbs	-449 lbs
13-48	0.42	-646 lbs	-646 lbs	12-47	0.43	-1031 lbs	-1031 lbs	6-11	0.01	65 lbs	-12 lbs	20-21	0.12	176 lbs	-161 lbs
11-13	0.25	61 lbs	-5 lbs	6-12	0.28	0 lbs	0 lbs	16-50	0.23	-1015 lbs	-1015 lbs	22-23	0.10	-171 lbs	-171 lbs
												24-25	0.29	-611 lbs	-611 lbs

TRUSS TC07 (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 :	0.89 (15 - 45)	TL(V): 0.18 in.	L / 497	(15-45)	L / 90
BC :	0.84 (1 - 2)	LL(V): 0.12 in.	L / 746	(15-45)	L / 90
Web :	0.66 (2 - 56)	DL(V): 0.06 in.	L / 999	(15-45)	L / 0
		Cant / OH TL: 0.12 in.	2L / 184	(15-45)	2L / 90
		Cant / OH LL: 0.12 in.	2L / 184	(15-45)	2L / 90
		Horiz TL: 0.07 in.		2	
		Web :			
		Snow/Wind -0.16 in.	L / 568	(15-45)	L / 90
		Cant (Snow/Wind) -0.16 in.	L / 140	(15-45)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	980 lbs	0 lbs	-620 lbs	0 lbs
12	Pin		-910 lbs	850 lbs	0 lbs	-350 lbs	-910 lbs
14	HRoll		0 lbs	2760 lbs	0 lbs	-1690 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-10-3	47-8-2

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

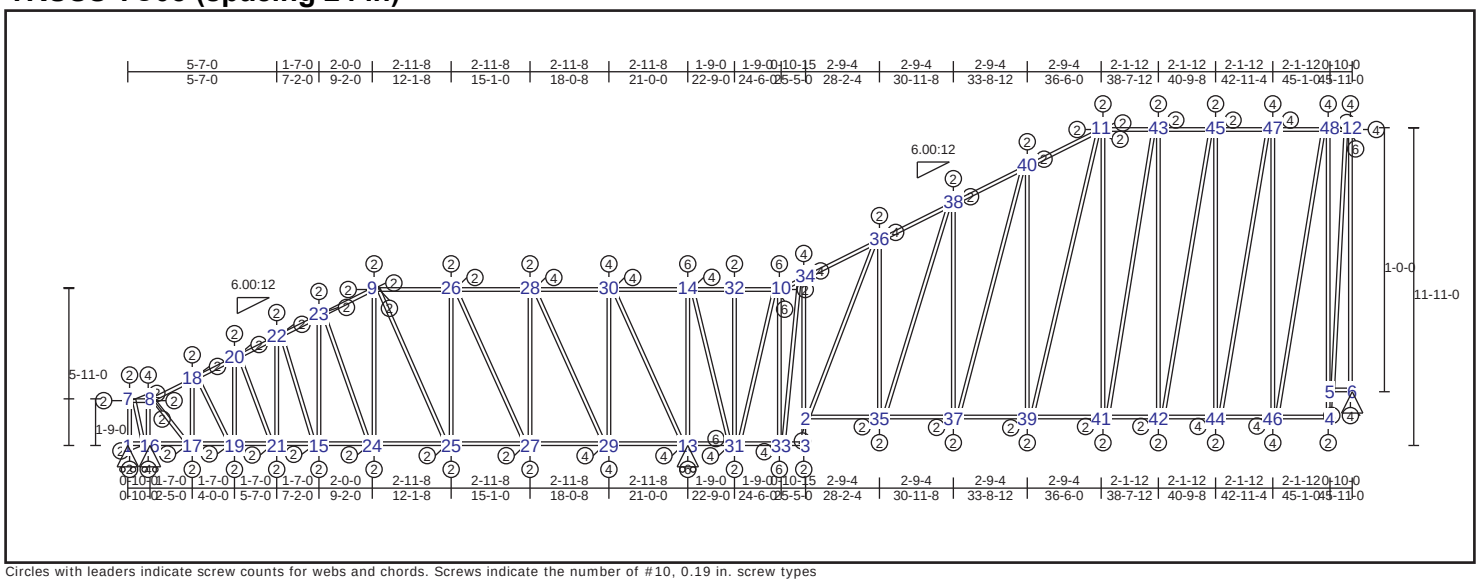
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
7-15	0.89	8 lbs	-7 lbs	1-2	0.84	0 lbs	0 lbs	1-7	0.05	-432 lbs	-432 lbs	16-54	0.00	-9 lbs	-9 lbs
15-45	0.89	-217 lbs	-217 lbs	3-47	0.65	216 lbs	-176 lbs	17-18	0.32	-458 lbs	-458 lbs	53-54	0.00	2 lbs	-2 lbs
45-46	0.57	-328 lbs	-328 lbs	47-48	0.35	327 lbs	-269 lbs	19-20	0.12	209 lbs	-200 lbs	48-51	0.14	-582 lbs	-582 lbs
8-46	0.24	-396 lbs	-396 lbs	16-48	0.20	395 lbs	-330 lbs	21-22	0.00	41 lbs	-1 lbs	46-51	0.21	-582 lbs	-582 lbs
8-18	0.27	-568 lbs	-568 lbs	16-17	0.23	467 lbs	-395 lbs	23-24	0.10	296 lbs	-231 lbs	48-52	0.00	-9 lbs	-9 lbs
18-20	0.27	-570 lbs	-570 lbs	17-19	0.23	506 lbs	-431 lbs	25-26	0.20	714 lbs	-579 lbs	51-52	0.00	2 lbs	-2 lbs
20-22	0.18	-570 lbs	-570 lbs	19-21	0.10	507 lbs	-435 lbs	9-27	0.09	-345 lbs	-345 lbs	47-49	0.28	-1204 lbs	-1204 lbs
22-24	0.19	-569 lbs	-569 lbs	21-23	0.14	507 lbs	-435 lbs	4-5	0.08	126 lbs	-83 lbs	45-49	0.42	-1204 lbs	-1204 lbs
24-26	0.28	-600 lbs	-600 lbs	23-25	0.37	457 lbs	-392 lbs	4-28	0.66	126 lbs	-83 lbs	47-50	0.00	-9 lbs	-9 lbs
9-26	0.40	-609 lbs	-609 lbs	25-27	0.70	331 lbs	-284 lbs	29-30	0.05	-144 lbs	-144 lbs	49-50	0.00	2 lbs	-2 lbs
9-28	0.89	-474 lbs	-474 lbs	4-27	0.84	-76 lbs	-76 lbs	14-31	0.54	-1585 lbs	-1585 lbs	2-3	0.27	-234 lbs	-234 lbs
28-30	0.78	-720 lbs	-720 lbs	5-29	0.84	-432 lbs	-432 lbs	32-33	0.36	1215 lbs	-1069 lbs	2-56	0.66	-775 lbs	-775 lbs
30-31	0.83	-992 lbs	-992 lbs	14-29	0.86	-824 lbs	-824 lbs	34-35	0.28	894 lbs	-827 lbs	15-56	0.66	-775 lbs	-775 lbs
31-33	0.83	-992 lbs	-992 lbs	14-32	0.67	-824 lbs	-824 lbs	36-37	0.21	-634 lbs	-634 lbs	7-56	0.00	0 lbs	0 lbs
33-35	0.65	-626 lbs	-626 lbs	32-34	0.60	-411 lbs	-411 lbs	10-38	0.16	496 lbs	-472 lbs	1-56	0.00	0 lbs	0 lbs
35-37	0.44	-290 lbs	-290 lbs	34-36	0.45	-402 lbs	-402 lbs	39-40	0.07	-301 lbs	-301 lbs	3-57	0.04	240 lbs	-193 lbs
10-37	0.36	-306 lbs	-306 lbs	36-38	0.32	-595 lbs	-595 lbs	41-42	0.02	-110 lbs	-110 lbs	56-57	0.01	-103 lbs	-103 lbs
10-40	0.33	-384 lbs	-384 lbs	38-39	0.24	-802 lbs	-802 lbs	43-44	0.04	-277 lbs	-277 lbs	8-54	0.16	484 lbs	-441 lbs
40-42	0.30	-607 lbs	-607 lbs	39-41	0.22	-976 lbs	-976 lbs	12-13	0.11	-810 lbs	-810 lbs	17-54	0.11	493 lbs	-449 lbs
42-44	0.29	-712 lbs	-712 lbs	41-43	0.22	-1058 lbs	-1058 lbs	6-11	0.01	61 lbs	-9 lbs	18-19	0.16	250 lbs	-233 lbs
13-44	0.45	-712 lbs	-712 lbs	12-43	0.40	-1058 lbs	-1058 lbs	16-53	0.10	-389 lbs	-389 lbs	20-21	0.01	-19 lbs	-19 lbs
11-13	0.28	62 lbs	-4 lbs	6-12	0.27	0 lbs	0 lbs	8-53	0.14	-389 lbs	-389 lbs	22-23	0.14	-268 lbs	-268 lbs

TRUSS TC08 (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 (48 - 12)	TL(V): 0.12 in.	L / 999	(40-11)	L / 90
BC :	0.84 (5 - 6)	LL(V): 0.08 in.	L / 999	(40-11)	L / 90
Web :	0.94 (5 - 48)	DL(V): 0.04 in.	L / 999	(40-11)	L / 0
		Cant / OH TL: 0.05 in.	2L / 0	34	2L / 90
		Cant / OH LL: 0.05 in.	2L / 0	34	2L / 90
		Horiz TL: 0.03 in.		4	
		Web :			
		Snow/Wind -0.1 in.	L / 999	(40-11)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 0	48	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-160 lbs	-130 lbs	-160 lbs	0 lbs
6	Fixed		730 lbs	1040 lbs	0 lbs	-600 lbs	730 lbs
13	HRoll		0 lbs	2580 lbs	0 lbs	-1050 lbs	0 lbs
16	HRoll		0 lbs	960 lbs	0 lbs	-490 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-11-0	45-11-0

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

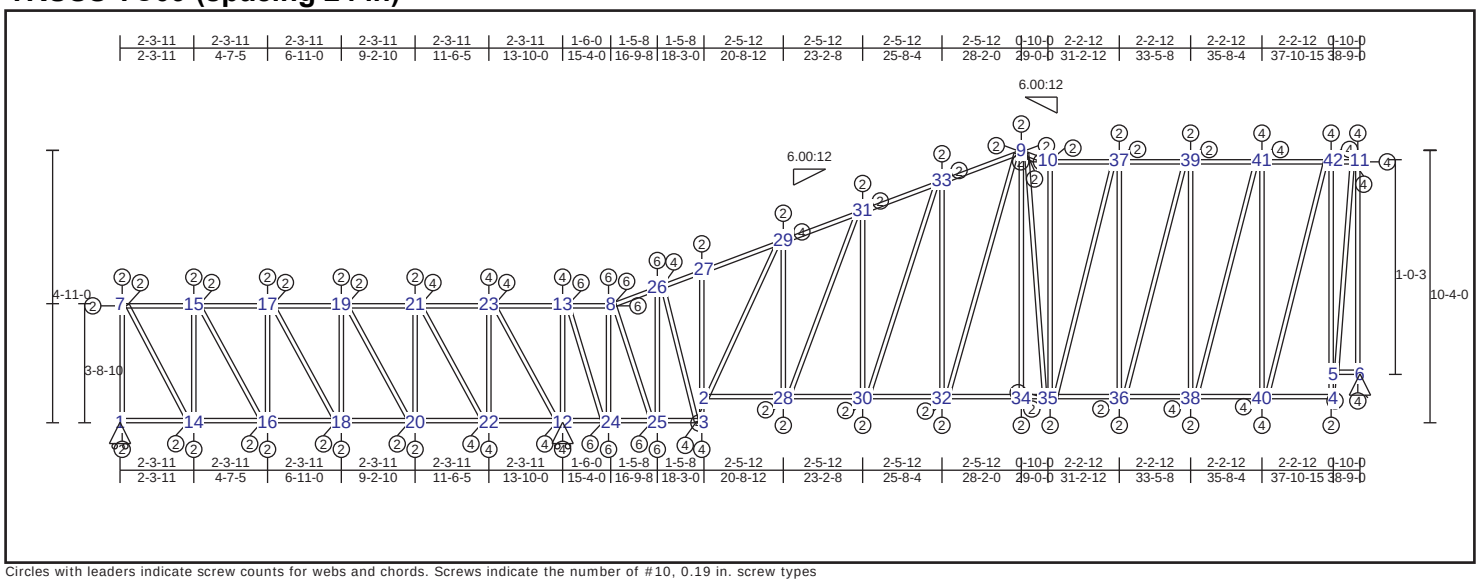
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
9-26	0.24	-506 lbs	-506 lbs	2-35	0.25	311 lbs	-24 lbs	17-18	0.08	-581 lbs	-581 lbs	6-12	0.64	1476 lbs	-1056 lbs
26-28	0.39	448 lbs	-401 lbs	35-37	0.25	425 lbs	-42 lbs	19-20	0.04	-232 lbs	-232 lbs	1-7	0.02	174 lbs	-133 lbs
28-30	0.53	313 lbs	-193 lbs	37-39	0.30	478 lbs	-42 lbs	21-22	0.01	-43 lbs	-43 lbs	8-16	0.11	-821 lbs	-821 lbs
14-30	0.77	781 lbs	-270 lbs	39-41	0.30	491 lbs	-87 lbs	15-23	0.04	-184 lbs	-184 lbs	8-17	0.07	703 lbs	-471 lbs
14-32	0.77	781 lbs	-270 lbs	41-42	0.26	493 lbs	-115 lbs	9-24	0.08	303 lbs	-288 lbs	18-19	0.03	333 lbs	-205 lbs
10-32	0.77	444 lbs	-106 lbs	42-44	0.35	529 lbs	-160 lbs	25-26	0.05	280 lbs	-180 lbs	20-21	0.01	72 lbs	-46 lbs
8-18	0.38	-652 lbs	-652 lbs	44-46	0.53	586 lbs	-219 lbs	27-28	0.09	630 lbs	-348 lbs	15-22	0.02	181 lbs	-128 lbs
18-20	0.23	-705 lbs	-705 lbs	4-46	0.53	648 lbs	-292 lbs	29-30	0.15	966 lbs	-563 lbs	9-25	0.08	-261 lbs	-261 lbs
20-22	0.16	-705 lbs	-705 lbs	5-6	0.84	733 lbs	-347 lbs	13-14	0.41	-1532 lbs	-1532 lbs	26-27	0.19	-624 lbs	-624 lbs
22-23	0.15	-676 lbs	-676 lbs	1-16	0.09	-33 lbs	-33 lbs	31-32	0.01	85 lbs	-54 lbs	28-29	0.31	-1004 lbs	-1004 lbs
9-23	0.20	-594 lbs	-594 lbs	16-17	0.30	401 lbs	-266 lbs	10-33	0.20	1509 lbs	-743 lbs	13-30	0.38	-1243 lbs	-1243 lbs
10-34	0.55	-482 lbs	-482 lbs	17-19	0.30	548 lbs	-347 lbs	2-3	0.20	42 lbs	-18 lbs	14-31	0.21	1430 lbs	-771 lbs
34-36	0.45	-697 lbs	-697 lbs	19-21	0.11	568 lbs	-347 lbs	2-34	0.94	897 lbs	-317 lbs	10-31	0.44	-1587 lbs	-1587 lbs
36-38	0.29	-680 lbs	-680 lbs	15-21	0.10	568 lbs	-347 lbs	35-36	0.04	448 lbs	-48 lbs	2-34	0.34	-942 lbs	-942 lbs
38-40	0.36	-704 lbs	-704 lbs	15-24	0.15	531 lbs	-329 lbs	37-38	0.05	349 lbs	-114 lbs	35-38	0.18	-388 lbs	-388 lbs
11-40	0.36	-704 lbs	-704 lbs	24-25	0.15	435 lbs	-277 lbs	39-40	0.19	581 lbs	-338 lbs	37-40	0.21	-349 lbs	-349 lbs
11-43	0.27	-503 lbs	-503 lbs	25-27	0.33	329 lbs	-257 lbs	11-41	0.17	391 lbs	-235 lbs	11-39	0.43	-590 lbs	-590 lbs
43-45	0.36	-458 lbs	-458 lbs	27-29	0.49	-340 lbs	-340 lbs	42-43	0.35	529 lbs	-502 lbs	41-43	0.29	-408 lbs	-408 lbs
45-47	0.52	-367 lbs	-367 lbs	13-29	0.59	-852 lbs	-852 lbs	44-45	0.51	-731 lbs	-731 lbs	42-45	0.39	550 lbs	-542 lbs
47-48	0.60	-235 lbs	-235 lbs	13-31	0.84	-852 lbs	-852 lbs	46-47	0.73	-1040 lbs	-1040 lbs	44-47	0.47	803 lbs	-659 lbs
12-48	0.77	91 lbs	-67 lbs	31-33	0.84	-515 lbs	-515 lbs	4-5	0.94	23 lbs	-19 lbs	46-48	0.56	1026 lbs	-791 lbs
7-8	0.38	33 lbs	-25 lbs	3-33	0.57	172 lbs	-158 lbs	5-48	0.94	-1319 lbs	-1319 lbs	23-24	0.07	314 lbs	-291 lbs
												12-48	0.94	-1798 lbs	-1798 lbs
												7-16	0.02	-158 lbs	-158 lbs
												33-34	0.37	-1252 lbs	-1252 lbs

TRUSS TC09 (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 :	0.87 (8 - 26)	TL(V): 0.11 in.	L / 999	(33-9)	L / 90
BC :	0.95 (5 - 6)	LL(V): 0.07 in.	L / 999	(33-9)	L / 90
Web :	0.68 (5 - 42)	DL(V): 0.04 in.	L / 999	(33-9)	L / 0
		Cant / OH TL: 0.05 in.	2L / 70	(26-27)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 70	(26-27)	2L / 90
		Horiz TL: 0.03 in.		4	
		Web :			
		Snow/Wind -0.08 in.	L / 999	(33-9)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 72	(26-27)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	320 lbs	0 lbs	-260 lbs	0 lbs
6	Fixed		440 lbs	1050 lbs	0 lbs	-580 lbs	440 lbs
12	HRoll		0 lbs	2370 lbs	0 lbs	-970 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-3-10	38-9-0

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

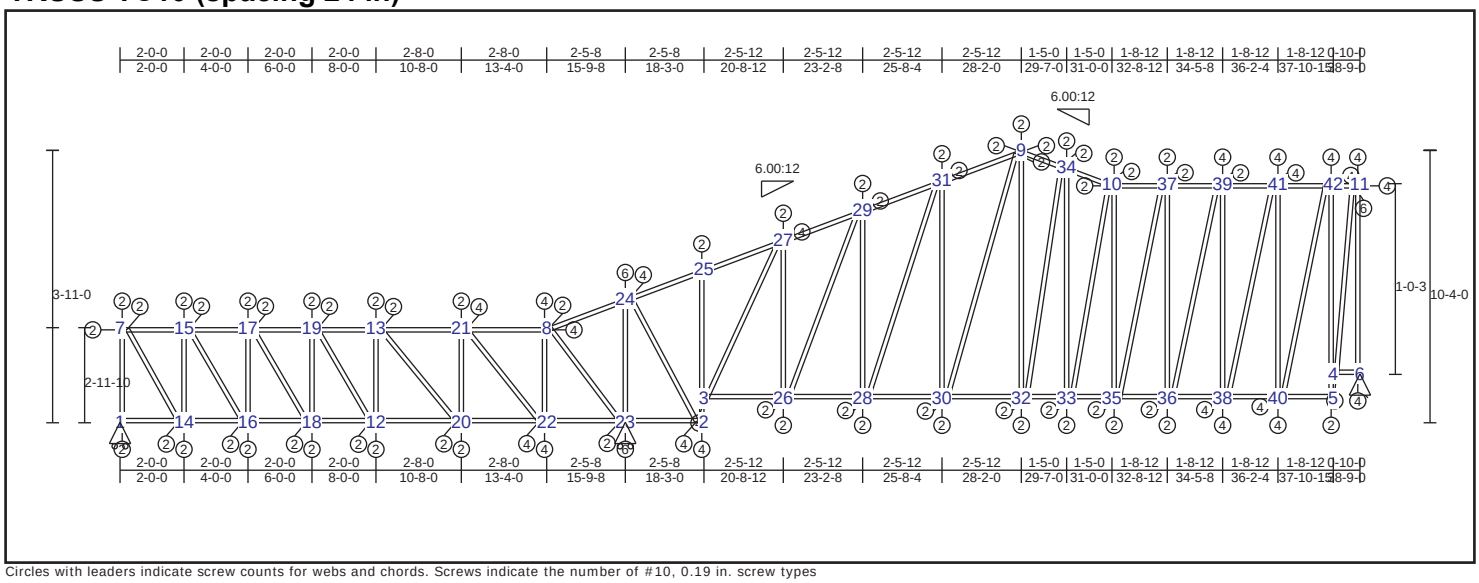
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
7-15	0.23	113 lbs	-105 lbs	2-28	0.27	361 lbs	-131 lbs	1-7	0.07	320 lbs	-316 lbs	5-42	0.68	-1325 lbs	-1325 lbs
15-17	0.19	146 lbs	-105 lbs	28-30	0.27	477 lbs	-174 lbs	14-15	0.05	297 lbs	-244 lbs	6-11	0.46	1062 lbs	-883 lbs
17-19	0.17	146 lbs	-102 lbs	30-32	0.24	490 lbs	-174 lbs	16-17	0.02	102 lbs	-86 lbs	7-14	0.07	-307 lbs	-307 lbs
19-21	0.28	226 lbs	-218 lbs	32-34	0.24	490 lbs	-169 lbs	18-19	0.04	316 lbs	-205 lbs	15-16	0.02	-94 lbs	-94 lbs
21-23	0.45	560 lbs	-406 lbs	34-35	0.13	451 lbs	-143 lbs	20-21	0.07	582 lbs	-332 lbs	17-18	0.07	-295 lbs	-295 lbs
13-23	0.69	946 lbs	-612 lbs	35-36	0.22	451 lbs	-143 lbs	22-23	0.11	844 lbs	-524 lbs	19-20	0.13	-570 lbs	-570 lbs
8-13	0.75	946 lbs	-612 lbs	36-38	0.34	412 lbs	-117 lbs	12-13	0.31	-1445 lbs	-1445 lbs	21-22	0.20	-883 lbs	-883 lbs
8-26	0.87	-421 lbs	-421 lbs	38-40	0.52	377 lbs	-82 lbs	8-24	0.36	-1685 lbs	-1685 lbs	12-23	0.24	-1019 lbs	-1019 lbs
26-27	0.65	-421 lbs	-421 lbs	4-40	0.52	381 lbs	-158 lbs	25-26	0.43	-1709 lbs	-1709 lbs	8-25	0.24	1754 lbs	-1065 lbs
27-29	0.37	-718 lbs	-718 lbs	5-6	0.95	444 lbs	-205 lbs	2-3	0.20	-1033 lbs	-1033 lbs	2-27	0.32	-936 lbs	-936 lbs
29-31	0.29	-705 lbs	-705 lbs	1-14	0.16	-113 lbs	-113 lbs	2-27	0.68	-1092 lbs	-1092 lbs	28-31	0.19	-430 lbs	-430 lbs
31-33	0.29	-714 lbs	-714 lbs	14-16	0.16	-146 lbs	-146 lbs	28-29	0.06	507 lbs	-188 lbs	30-33	0.13	-231 lbs	-231 lbs
9-33	0.34	-714 lbs	-714 lbs	16-18	0.16	-146 lbs	-146 lbs	30-31	0.02	235 lbs	-45 lbs	9-32	0.29	-436 lbs	-436 lbs
9-10	0.20	-655 lbs	-655 lbs	18-20	0.29	-226 lbs	-226 lbs	32-33	0.13	446 lbs	-239 lbs	35-37	0.20	-316 lbs	-316 lbs
10-37	0.26	-553 lbs	-553 lbs	20-22	0.41	-560 lbs	-560 lbs	9-34	0.02	49 lbs	-32 lbs	36-39	0.28	527 lbs	-452 lbs
37-39	0.37	-508 lbs	-508 lbs	12-22	0.53	-946 lbs	-946 lbs	10-35	0.28	-461 lbs	-461 lbs	38-41	0.36	789 lbs	-575 lbs
39-41	0.51	-409 lbs	-409 lbs	12-24	0.86	-946 lbs	-946 lbs	36-37	0.28	-452 lbs	-452 lbs	40-42	0.46	1012 lbs	-728 lbs
41-42	0.56	-260 lbs	-260 lbs	24-25	0.78	-614 lbs	-614 lbs	38-39	0.44	-720 lbs	-720 lbs	13-24	0.20	1499 lbs	-912 lbs
11-42	0.75	75 lbs	-65 lbs	3-25	0.76	-199 lbs	-199 lbs	40-41	0.62	-1017 lbs	-1017 lbs	9-35	0.14	221 lbs	-213 lbs
								4-5	0.60	22 lbs	-17 lbs	11-42	0.68	-1331 lbs	-1331 lbs
												3-26	0.20	1312 lbs	-767 lbs

TRUSS TC10 (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 (42 - 11)	TL(V): 0.08 in.	L / 999	(31-9)	L / 90
BC :	0.85 (23 - 2)	LL(V): 0.06 in.	L / 999	(31-9)	L / 90
Web :	0.66 (4 - 42)	DL(V): 0.03 in.	L / 999	(34-10)	L / 0
		Cant / OH TL: 0.06 in.	2L / 999	(31-9)	2L / 90
		Cant / OH LL: 0.06 in.	2L / 999	(31-9)	2L / 90
		Horiz TL: 0.03 in.		31	
		Web :			
		Snow/Wind -0.07 in.	L / 546	10	L / 90
		Cant (Snow/Wind) -0.07 in.	L / 999	10	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	560 lbs	0 lbs	-340 lbs	0 lbs
6	Fixed		470 lbs	1010 lbs	0 lbs	-630 lbs	470 lbs
23	HRoll		0 lbs	2170 lbs	0 lbs	-1100 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-3-10	38-9-0

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

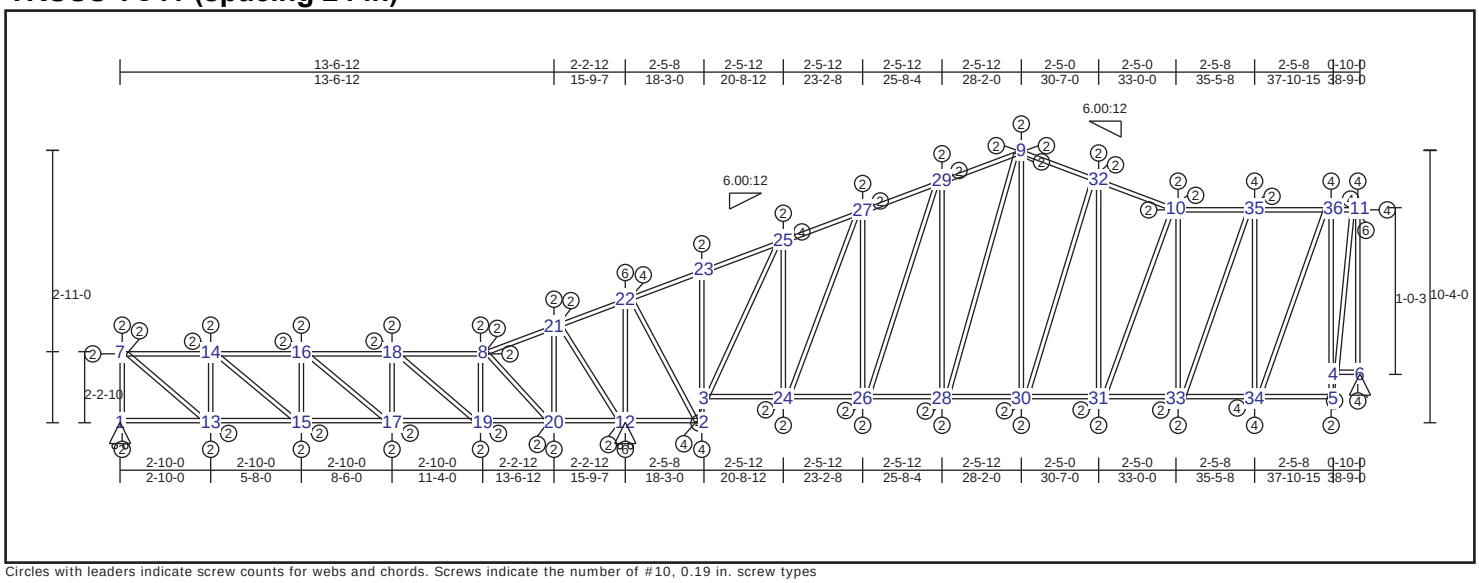
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
7-15	0.42	-245 lbs	-245 lbs	4-6	0.81	470 lbs	-205 lbs	1-7	0.10	-576 lbs	-576 lbs	4-42	0.66	-1291 lbs	-1291 lbs
15-17	0.31	-397 lbs	-397 lbs	1-14	0.31	245 lbs	-189 lbs	14-15	0.10	-591 lbs	-591 lbs	6-11	0.39	1248 lbs	-901 lbs
17-19	0.18	-442 lbs	-442 lbs	14-16	0.31	397 lbs	-307 lbs	16-17	0.05	-285 lbs	-285 lbs	7-14	0.09	635 lbs	-488 lbs
13-19	0.14	-442 lbs	-442 lbs	16-18	0.13	442 lbs	-346 lbs	18-19	0.01	82 lbs	-67 lbs	15-16	0.06	378 lbs	-297 lbs
13-21	0.23	-391 lbs	-391 lbs	12-18	0.11	442 lbs	-346 lbs	12-13	0.02	160 lbs	-87 lbs	17-18	0.02	114 lbs	-98 lbs
8-21	0.41	248 lbs	-166 lbs	12-20	0.22	391 lbs	-313 lbs	20-21	0.05	418 lbs	-277 lbs	12-19	0.02	-127 lbs	-127 lbs
8-24	0.84	682 lbs	-418 lbs	20-22	0.37	-248 lbs	-248 lbs	8-22	0.09	747 lbs	-528 lbs	13-20	0.09	-429 lbs	-429 lbs
24-25	0.70	168 lbs	-83 lbs	22-23	0.34	-570 lbs	-570 lbs	23-24	0.38	-1711 lbs	-1711 lbs	21-22	0.16	-807 lbs	-807 lbs
25-27	0.37	-649 lbs	-649 lbs	2-23	0.85	-570 lbs	-570 lbs	2-3	0.25	-1165 lbs	-1165 lbs	8-23	0.13	-655 lbs	-655 lbs
27-29	0.32	-683 lbs	-683 lbs	3-26	0.29	261 lbs	-73 lbs	3-25	0.66	-1194 lbs	-1194 lbs	2-24	0.21	1362 lbs	-827 lbs
29-31	0.27	-673 lbs	-673 lbs	26-28	0.29	407 lbs	-124 lbs	26-27	0.06	569 lbs	-177 lbs	3-25	0.33	-977 lbs	-977 lbs
9-31	0.32	-673 lbs	-673 lbs	28-30	0.21	439 lbs	-124 lbs	28-29	0.02	251 lbs	-22 lbs	26-29	0.24	-542 lbs	-542 lbs
9-34	0.16	-612 lbs	-612 lbs	30-32	0.21	439 lbs	-119 lbs	30-31	0.10	389 lbs	-191 lbs	28-31	0.12	-219 lbs	-219 lbs
10-34	0.15	-624 lbs	-624 lbs	32-33	0.13	429 lbs	-102 lbs	9-32	0.11	256 lbs	-177 lbs	9-30	0.25	-374 lbs	-374 lbs
10-37	0.29	-540 lbs	-540 lbs	33-35	0.08	438 lbs	-105 lbs	33-34	0.03	115 lbs	-58 lbs	32-34	0.15	-247 lbs	-247 lbs
37-39	0.37	-475 lbs	-475 lbs	35-36	0.29	438 lbs	-105 lbs	10-35	0.19	-373 lbs	-373 lbs	10-33	0.03	-64 lbs	-64 lbs
39-41	0.50	-374 lbs	-374 lbs	36-38	0.38	386 lbs	-61 lbs	36-37	0.32	-609 lbs	-609 lbs	35-37	0.20	436 lbs	-380 lbs
41-42	0.56	242 lbs	-238 lbs	38-40	0.53	348 lbs	-89 lbs	38-39	0.42	-805 lbs	-805 lbs	36-39	0.29	654 lbs	-544 lbs
11-42	0.88	99 lbs	-74 lbs	5-40	0.53	383 lbs	-151 lbs	40-41	0.55	-1063 lbs	-1063 lbs	38-41	0.37	871 lbs	-707 lbs
								4-5	0.61	-28 lbs	-28 lbs	40-42	0.44	1028 lbs	-838 lbs
												11-42	0.66	-1565 lbs	-1565 lbs

TRUSS TC11 (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 (36 - 11)	TL(V): 0.07 in.	L / 999	(29-9)	L / 90
BC :	0.84 (12 - 2)	LL(V): 0.05 in.	L / 999	(29-9)	L / 90
Web :	0.40 (4 - 36)	DL(V): 0.02 in.	L / 999	(29-9)	L / 0
		Cant / OH TL: 0.05 in.	2L / 999	(29-9)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 999	(29-9)	2L / 90
		Horiz TL: 0.02 in.		29	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(29-9)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 999	(29-9)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	570 lbs	0 lbs	-350 lbs	0 lbs
6	Fixed		500 lbs	1000 lbs	0 lbs	-590 lbs	500 lbs
12	HRoll		0 lbs	2170 lbs	0 lbs	-1070 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-3-10	38-9-0

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

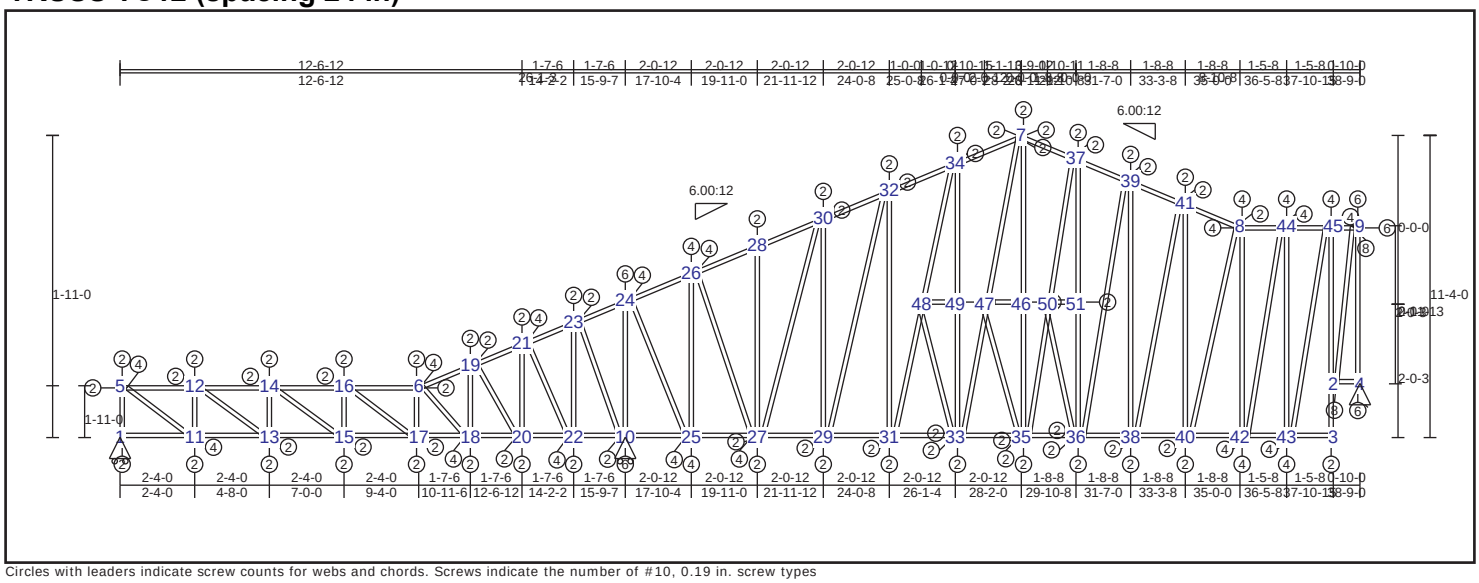
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
7-14	0.39	-452 lbs	-452 lbs	4-6	0.76	496 lbs	-205 lbs	1-7	0.09	-566 lbs	-566 lbs
14-16	0.38	-618 lbs	-618 lbs	1-13	0.25	452 lbs	-360 lbs	13-14	0.07	-493 lbs	-493 lbs
16-18	0.23	-618 lbs	-618 lbs	13-15	0.25	618 lbs	-506 lbs	15-16	0.02	140 lbs	-122 lbs
8-18	0.36	-512 lbs	-512 lbs	15-17	0.13	618 lbs	-506 lbs	17-18	0.02	167 lbs	-74 lbs
8-21	0.35	612 lbs	-321 lbs	17-19	0.25	512 lbs	-449 lbs	8-19	0.05	508 lbs	-337 lbs
21-22	0.85	659 lbs	-321 lbs	19-20	0.30	-292 lbs	-292 lbs	20-21	0.09	639 lbs	-486 lbs
22-23	0.71	245 lbs	-110 lbs	12-20	0.34	-566 lbs	-566 lbs	12-22	0.38	-1705 lbs	-1705 lbs
23-25	0.37	-665 lbs	-665 lbs	2-12	0.84	-566 lbs	-566 lbs	2-3	0.25	-1157 lbs	-1157 lbs
25-27	0.32	-698 lbs	-698 lbs	3-24	0.28	260 lbs	-80 lbs	3-23	0.40	-1186 lbs	-1186 lbs
27-29	0.27	695 lbs	-688 lbs	24-26	0.28	404 lbs	-133 lbs	24-25	0.06	564 lbs	-186 lbs
9-29	0.34	695 lbs	-688 lbs	26-28	0.23	436 lbs	-133 lbs	26-27	0.03	270 lbs	-31 lbs
9-32	0.28	-641 lbs	-641 lbs	28-30	0.23	436 lbs	-130 lbs	28-29	0.11	423 lbs	-199 lbs
10-32	0.25	-670 lbs	-670 lbs	30-31	0.12	444 lbs	-141 lbs	9-30	0.13	229 lbs	-207 lbs
10-35	0.51	-517 lbs	-517 lbs	31-33	0.10	444 lbs	-141 lbs	31-32	0.03	61 lbs	-49 lbs
35-36	0.51	-343 lbs	-343 lbs	33-34	0.47	423 lbs	-125 lbs	10-33	0.25	-590 lbs	-590 lbs
11-36	0.90	119 lbs	-88 lbs	5-34	0.47	391 lbs	-141 lbs	34-35	0.40	-931 lbs	-931 lbs
								4-5	0.38	21 lbs	-11 lbs
								4-36	0.40	-1313 lbs	-1313 lbs
								6-11	0.31	1265 lbs	-904 lbs
								7-13	0.09	686 lbs	-546 lbs

TRUSS TC12 (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 :	0.76 (45 - 9)	TL(V): 0.07 in.	L / 999	(37-39)	L / 90
BC :	1.63 (2 - 4)	LL(V): 0.04 in.	L / 999	(37-39)	L / 90
Web :	0.41 (2 - 45)	DL(V): 0.02 in.	L / 999	(36-38)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(37-39)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(37-39)	2L / 90
		Horiz TL: -0.02 in.		24	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(39-41)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 999	(39-41)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	570 lbs	0 lbs	-290 lbs	0 lbs
4	Fixed		520 lbs	1000 lbs	0 lbs	-470 lbs	520 lbs
10	HRoll		0 lbs	2180 lbs	0 lbs	-1190 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-3-11	38-9-0

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

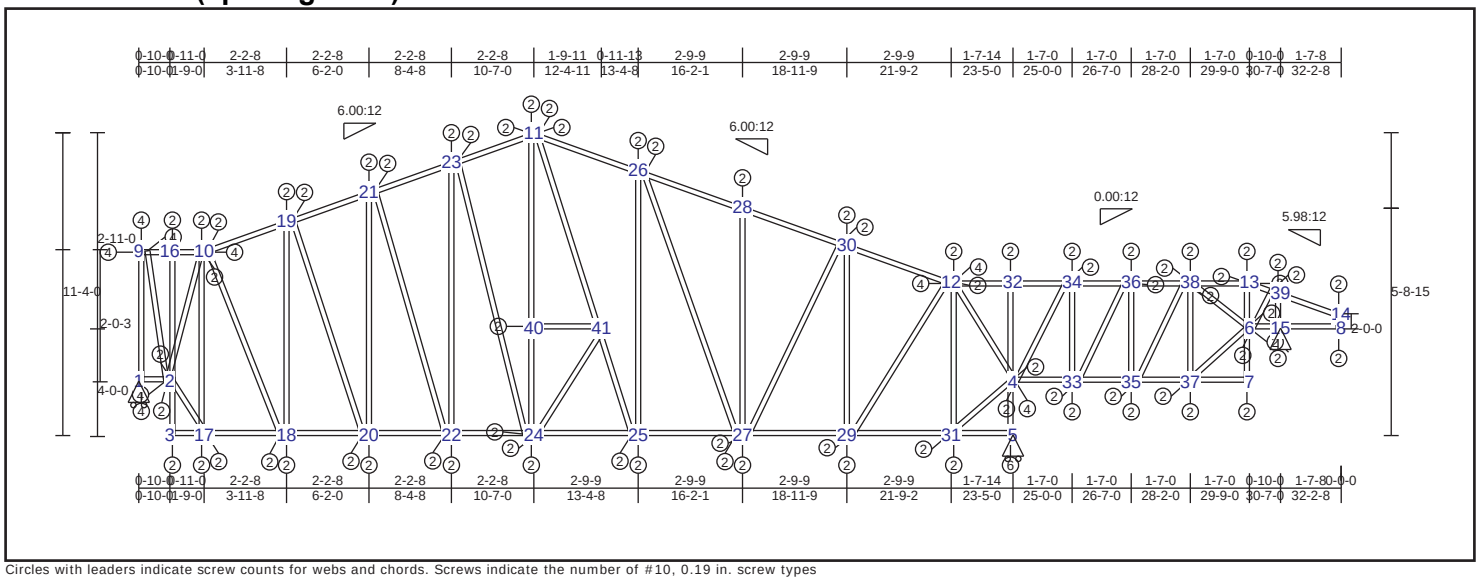
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
5-12	0.38	-598 lbs	-598 lbs	2-4	0.76	523 lbs	-205 lbs	1-5	0.08	-568 lbs	-568 lbs	35-46	0.07	-307 lbs	-307 lbs
12-14	0.33	-905 lbs	-905 lbs	1-11	0.27	598 lbs	-405 lbs	11-12	0.07	-535 lbs	-535 lbs	7-46	0.10	-307 lbs	-307 lbs
14-16	0.24	-922 lbs	-922 lbs	11-13	0.27	905 lbs	-591 lbs	13-14	0.03	-213 lbs	-213 lbs	35-47	0.00	3 lbs	-1 lbs
6-16	0.29	-922 lbs	-922 lbs	13-15	0.11	922 lbs	-591 lbs	15-16	0.01	38 lbs	-38 lbs	46-47	0.00	0 lbs	0 lbs
7-37	0.18	620 lbs	-606 lbs	15-17	0.16	922 lbs	-560 lbs	6-17	0.04	329 lbs	-267 lbs	36-51	0.07	-169 lbs	-169 lbs
37-39	0.13	-612 lbs	-612 lbs	17-18	0.31	630 lbs	-297 lbs	18-19	0.07	669 lbs	-446 lbs	37-51	0.08	-169 lbs	-169 lbs
39-41	0.20	-653 lbs	-653 lbs	18-20	0.32	249 lbs	-150 lbs	20-21	0.08	693 lbs	-503 lbs	36-50	0.00	-8 lbs	-8 lbs
8-41	0.25	-660 lbs	-660 lbs	20-22	0.36	455 lbs	-404 lbs	22-23	0.11	739 lbs	-561 lbs	50-51	0.00	1 lbs	0 lbs
8-44	0.50	418 lbs	-389 lbs	10-22	0.34	603 lbs	-585 lbs	10-24	0.36	-1629 lbs	-1629 lbs	5-11	0.08	809 lbs	-548 lbs
44-45	0.62	340 lbs	-260 lbs	10-25	0.76	603 lbs	-585 lbs	25-26	0.41	-1441 lbs	-1441 lbs	12-13	0.04	408 lbs	-247 lbs
9-45	0.76	230 lbs	-127 lbs	25-27	0.76	312 lbs	-167 lbs	27-28	0.08	-209 lbs	-209 lbs	14-15	0.01	58 lbs	-17 lbs
6-19	0.36	-391 lbs	-391 lbs	27-29	0.46	322 lbs	-71 lbs	29-30	0.09	478 lbs	-189 lbs	16-17	0.06	-394 lbs	-394 lbs
19-21	0.36	432 lbs	-375 lbs	29-31	0.24	378 lbs	-100 lbs	31-32	0.02	198 lbs	-33 lbs	6-18	0.11	-777 lbs	-777 lbs
21-23	0.38	721 lbs	-556 lbs	31-33	0.13	408 lbs	-100 lbs	38-39	0.07	-126 lbs	-126 lbs	19-20	0.11	-734 lbs	-734 lbs
23-24	0.76	721 lbs	-556 lbs	33-35	0.18	417 lbs	-99 lbs	40-41	0.19	-379 lbs	-379 lbs	21-22	0.13	-778 lbs	-778 lbs
24-26	0.71	-464 lbs	-464 lbs	35-36	0.16	425 lbs	-122 lbs	8-42	0.37	-860 lbs	-860 lbs	10-23	0.13	-640 lbs	-640 lbs
26-28	0.58	-464 lbs	-464 lbs	36-38	0.08	425 lbs	-142 lbs	43-44	0.47	-1103 lbs	-1103 lbs	24-25	0.22	1390 lbs	-912 lbs
28-30	0.29	-688 lbs	-688 lbs	38-40	0.18	419 lbs	-142 lbs	2-3	0.41	-50 lbs	-50 lbs	26-27	0.20	1058 lbs	-648 lbs
30-32	0.25	-647 lbs	-647 lbs	40-42	0.20	394 lbs	-140 lbs	2-45	0.41	-1479 lbs	-1479 lbs	27-30	0.34	-724 lbs	-724 lbs
32-34	0.19	591 lbs	-587 lbs	42-43	0.54	340 lbs	-96 lbs	4-9	0.29	1991 lbs	-1099 lbs	29-32	0.22	-390 lbs	-390 lbs
7-34	0.22	666 lbs	-638 lbs	3-43	0.54	290 lbs	-93 lbs	33-49	0.04	345 lbs	-174 lbs	31-48	0.05	-186 lbs	-186 lbs
								34-49	0.05	345 lbs	-174 lbs	34-48	0.14	-182 lbs	-182 lbs
								33-48	0.00	5 lbs	-2 lbs	33-47	0.07	-336 lbs	-336 lbs
								48-49	0.00	0 lbs	0 lbs	7-47	0.10	-333 lbs	-333 lbs
												35-50	0.06	332 lbs	-246 lbs

TRUSS TC13 (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 (9 - 16)	TL(V): 0.05 in.	L / 999	(11-26)	L / 90
BC :	0.40 (6 - 15)	LL(V): 0.03 in.	L / 999	(11-26)	L / 90
Web :	0.73 (2 - 16)	DL(V): 0.02 in.	L / 999	(21-23)	L / 0
		Cant / OH TL: 0.03 in.	2L / 999	(11-26)	2L / 90
		Cant / OH LL: 0.03 in.	2L / 999	(11-26)	2L / 90
		Horiz TL: -0.01 in.		26	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(11-26)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 999	(11-26)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1120 lbs	0 lbs	-490 lbs	0 lbs
5	HRoll		0 lbs	1530 lbs	0 lbs	-690 lbs	0 lbs
15	Fixed		-310 lbs	470 lbs	0 lbs	-340 lbs	-310 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-1	32-2-8

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

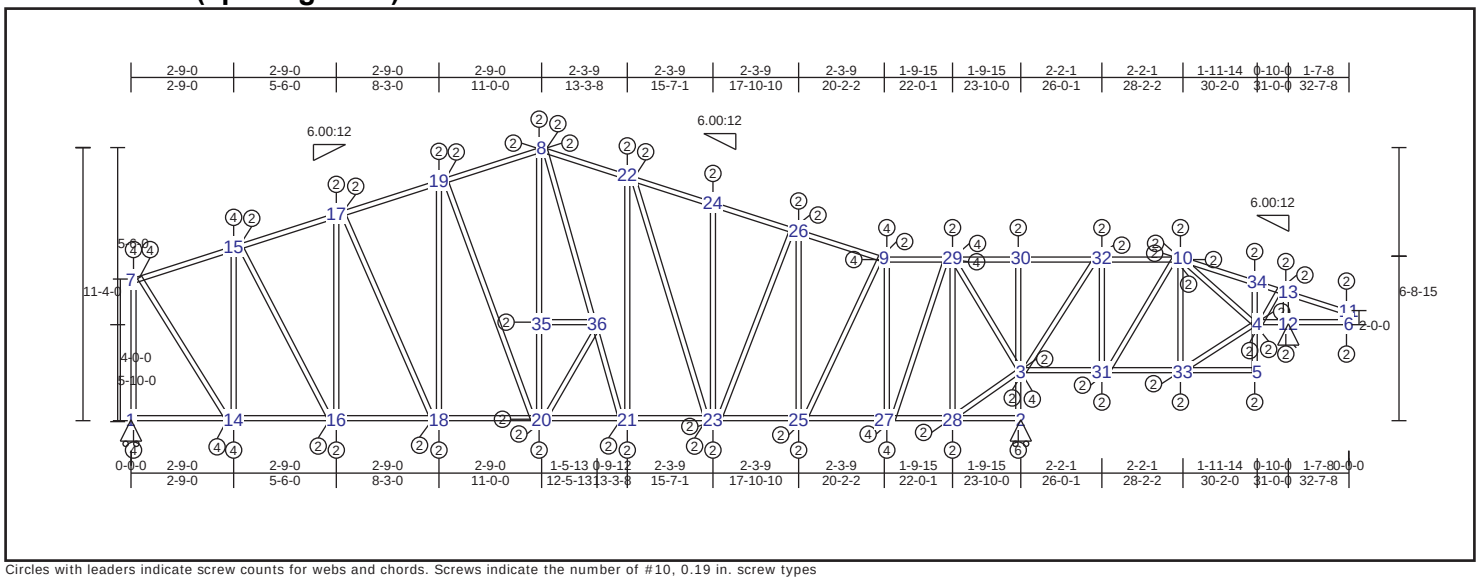
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
10-19	0.41	-781 lbs	-781 lbs	4-33	0.38	400 lbs	-280 lbs	1-9	0.23	-1080 lbs	-1080 lbs	2-17	0.05	514 lbs	-318 lbs
19-21	0.32	-781 lbs	-781 lbs	33-35	0.13	-122 lbs	-122 lbs	2-3	0.39	507 lbs	-313 lbs	4-31	0.05	439 lbs	-319 lbs
21-23	0.23	-770 lbs	-770 lbs	35-37	0.04	-143 lbs	-143 lbs	2-16	0.73	1147 lbs	-708 lbs	4-12	0.15	-843 lbs	-843 lbs
11-23	0.22	-741 lbs	-741 lbs	7-37	0.01	5 lbs	0 lbs	10-17	0.17	-497 lbs	-497 lbs	6-38	0.03	-228 lbs	-228 lbs
9-16	0.78	-127 lbs	-127 lbs	6-15	0.40	-312 lbs	-312 lbs	18-19	0.32	-719 lbs	-719 lbs	6-37	0.03	-236 lbs	-236 lbs
10-16	0.50	-263 lbs	-263 lbs	8-15	0.32	0 lbs	0 lbs	20-21	0.19	-349 lbs	-349 lbs	15-39	0.05	-388 lbs	-388 lbs
11-26	0.35	-847 lbs	-847 lbs	1-2	0.33	127 lbs	-79 lbs	22-23	0.07	-117 lbs	-117 lbs	24-40	0.05	-266 lbs	-266 lbs
26-28	0.37	-847 lbs	-847 lbs	3-17	0.22	50 lbs	-31 lbs	25-26	0.20	410 lbs	-331 lbs	11-40	0.11	-266 lbs	-266 lbs
28-30	0.43	-827 lbs	-827 lbs	17-18	0.38	461 lbs	-281 lbs	27-28	0.12	-241 lbs	-241 lbs	24-41	0.00	3 lbs	-2 lbs
12-30	0.50	-827 lbs	-827 lbs	18-20	0.38	558 lbs	-333 lbs	29-30	0.24	-664 lbs	-664 lbs	40-41	0.00	0 lbs	0 lbs
12-32	0.52	-230 lbs	-230 lbs	20-22	0.16	584 lbs	-350 lbs	12-31	0.09	-345 lbs	-345 lbs	10-18	0.16	730 lbs	-437 lbs
32-34	0.18	-217 lbs	-217 lbs	22-24	0.15	584 lbs	-350 lbs	4-5	0.38	-1504 lbs	-1504 lbs	19-20	0.12	427 lbs	-258 lbs
34-36	0.14	-156 lbs	-156 lbs	24-25	0.22	640 lbs	-428 lbs	4-32	0.38	-1504 lbs	-1504 lbs	21-22	0.05	153 lbs	-86 lbs
36-38	0.09	152 lbs	-136 lbs	25-27	0.22	649 lbs	-459 lbs	33-34	0.03	266 lbs	-177 lbs	23-24	0.10	288 lbs	-151 lbs
13-38	0.09	152 lbs	-125 lbs	27-29	0.35	649 lbs	-459 lbs	35-36	0.01	-65 lbs	-65 lbs	11-41	0.16	-408 lbs	-408 lbs
13-39	0.26	199 lbs	-137 lbs	29-31	0.35	549 lbs	-404 lbs	37-38	0.02	178 lbs	-126 lbs	25-41	0.08	-410 lbs	-410 lbs
14-39	0.16	56 lbs	-13 lbs	5-31	0.17	-30 lbs	-30 lbs	6-7	0.07	-183 lbs	-183 lbs	26-27	0.08	-127 lbs	-127 lbs
								6-13	0.08	-183 lbs	-183 lbs	27-30	0.07	307 lbs	-171 lbs
								8-14	0.01	72 lbs	-30 lbs	12-29	0.16	739 lbs	-538 lbs
								2-10	0.15	-681 lbs	-681 lbs	4-32	0.07	-414 lbs	-414 lbs
												33-36	0.04	-202 lbs	-202 lbs
												35-38	0.01	69 lbs	-23 lbs
												6-13	0.02	192 lbs	-24 lbs
												9-16	0.16	1241 lbs	-758 lbs

TRUSS TC14 (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 (7 - 15)	TL(V): 0.05 in.	L / 999	(8-22)	L / 90
BC :	0.53 (27 - 28)	LL(V): 0.03 in.	L / 999	(8-22)	L / 90
Web :	0.35 (14 - 15)	DL(V): 0.02 in.	L / 999	(18-20)	L / 0
		Cant / OH TL: 0.01 in.	2L / 999	(13-11)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 999	(13-11)	2L / 90
		Horiz TL: -0.01 in.		7	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(13-11)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 999	(13-11)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1120 lbs	0 lbs	-530 lbs	0 lbs
2	HRoll		0 lbs	1620 lbs	0 lbs	-780 lbs	0 lbs
12	Fixed		-260 lbs	410 lbs	0 lbs	-270 lbs	-260 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-1	32-7-8

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

Material Design Pass

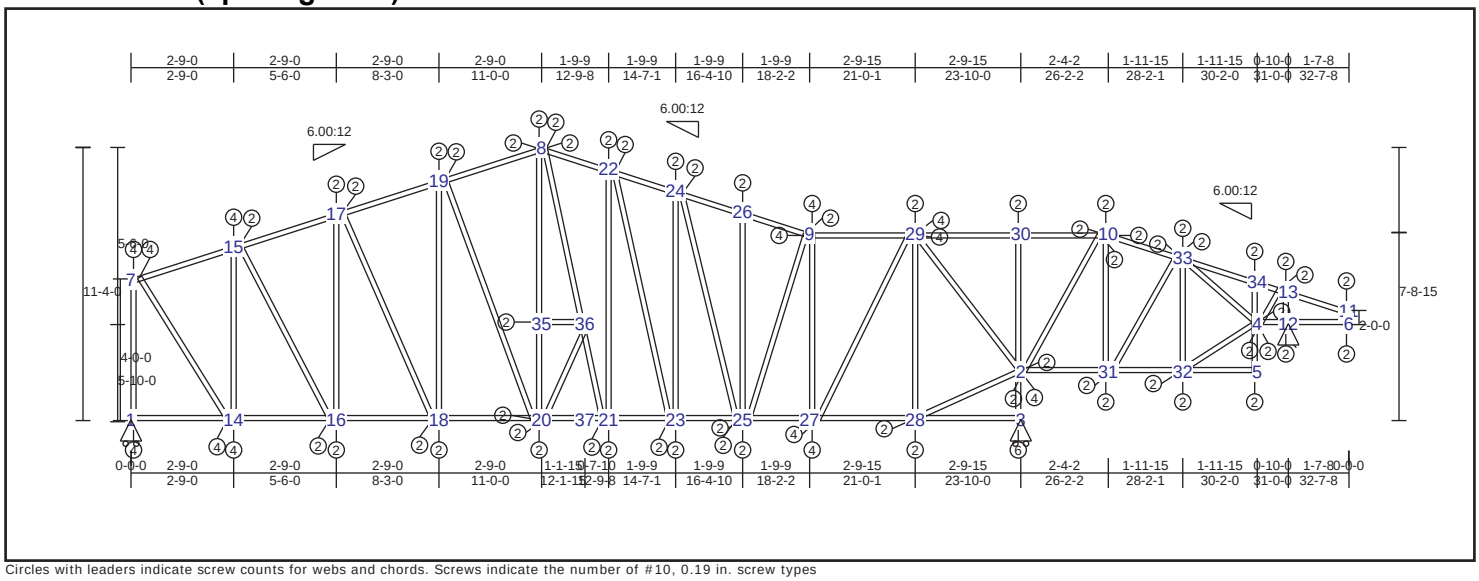
Member Forces Summary

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

Top Chord				Bot Chord				Web			
8-22	0.29	-838 lbs	-838 lbs	1-14	0.51	384 lbs	-237 lbs	1-7	0.30	-1136 lbs	-1136 lbs
22-24	0.30	-838 lbs	-838 lbs	14-16	0.51	552 lbs	-316 lbs	14-15	0.35	-959 lbs	-959 lbs
24-26	0.31	-837 lbs	-837 lbs	16-18	0.19	596 lbs	-330 lbs	16-17	0.21	-425 lbs	-425 lbs
9-26	0.36	-837 lbs	-837 lbs	18-20	0.16	596 lbs	-330 lbs	18-19	0.08	-133 lbs	-133 lbs
9-29	0.60	-445 lbs	-445 lbs	20-21	0.21	619 lbs	-377 lbs	21-22	0.21	405 lbs	-327 lbs
29-30	0.60	254 lbs	-216 lbs	21-23	0.21	636 lbs	-409 lbs	23-24	0.10	-197 lbs	-197 lbs
30-32	0.22	-139 lbs	-139 lbs	23-25	0.22	636 lbs	-409 lbs	25-26	0.20	-467 lbs	-467 lbs
10-32	0.11	158 lbs	-78 lbs	25-27	0.27	592 lbs	-394 lbs	9-27	0.35	-1051 lbs	-1051 lbs
7-15	0.82	-769 lbs	-769 lbs	27-28	0.53	429 lbs	-284 lbs	28-29	0.09	-284 lbs	-284 lbs
15-17	0.50	-801 lbs	-801 lbs	2-28	0.03	-19 lbs	-19 lbs	2-3	0.32	-1603 lbs	-1603 lbs
17-19	0.29	-801 lbs	-801 lbs	3-31	0.09	69 lbs	-49 lbs	3-30	0.32	-1603 lbs	-1603 lbs
8-19	0.31	-768 lbs	-768 lbs	31-33	0.09	-106 lbs	-106 lbs	31-32	0.03	173 lbs	-163 lbs
10-34	0.12	175 lbs	-143 lbs	5-33	0.02	5 lbs	0 lbs	10-33	0.01	109 lbs	-33 lbs
13-34	0.24	175 lbs	-123 lbs	4-12	0.41	-259 lbs	-259 lbs	4-5	0.11	117 lbs	-31 lbs
11-13	0.15	56 lbs	-14 lbs	6-12	0.33	0 lbs	0 lbs	4-34	0.11	-134 lbs	-134 lbs
								12-13	0.05	-354 lbs	-354 lbs
								6-11	0.01	75 lbs	-32 lbs
								3-29	0.21	-976 lbs	-976 lbs
								3-28	0.03	326 lbs	-225 lbs
								4-33	0.02	-154 lbs	-154 lbs

Web			
4-10	0.04	-235 lbs	-235 lbs
20-35	0.05	-299 lbs	-299 lbs
8-35	0.11	-299 lbs	-299 lbs
20-36	0.00	3 lbs	-2 lbs
35-36	0.00	0 lbs	0 lbs
7-14	0.19	1033 lbs	-639 lbs
15-16	0.12	531 lbs	-293 lbs
17-18	0.05	179 lbs	-87 lbs
19-20	0.11	318 lbs	-177 lbs
8-36	0.16	-393 lbs	-393 lbs
21-36	0.33	-395 lbs	-395 lbs
22-23	0.11	-170 lbs	-170 lbs
23-26	0.03	183 lbs	-66 lbs
9-25	0.14	563 lbs	-379 lbs
27-29	0.24	1095 lbs	-688 lbs
3-30	0.09	-409 lbs	-409 lbs
10-31	0.03	163 lbs	-143 lbs
13-34	0.02	177 lbs	0 lbs

TRUSS TC15 (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 :	0.81 (7 - 15)	TL(V): 0.05 in.	L / 999	(7-15)	L / 90
BC :	0.50 (1 - 14)	LL(V): 0.03 in.	L / 999	(7-15)	L / 90
Web :	0.36 (27 - 9)	DL(V): 0.01 in.	L / 999	(18-20)	L / 0
		Cant / OH TL: 0.03 in.	2L / 999	(7-15)	2L / 90
		Cant / OH LL: 0.03 in.	2L / 999	(7-15)	2L / 90
		Horiz TL: -0.01 in.		7	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(13-11)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 999	(13-11)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1110 lbs	0 lbs	-530 lbs	0 lbs
3	HRoll		0 lbs	1680 lbs	0 lbs	-840 lbs	0 lbs
12	Fixed		-260 lbs	360 lbs	0 lbs	-210 lbs	-260 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-3	32-7-8

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

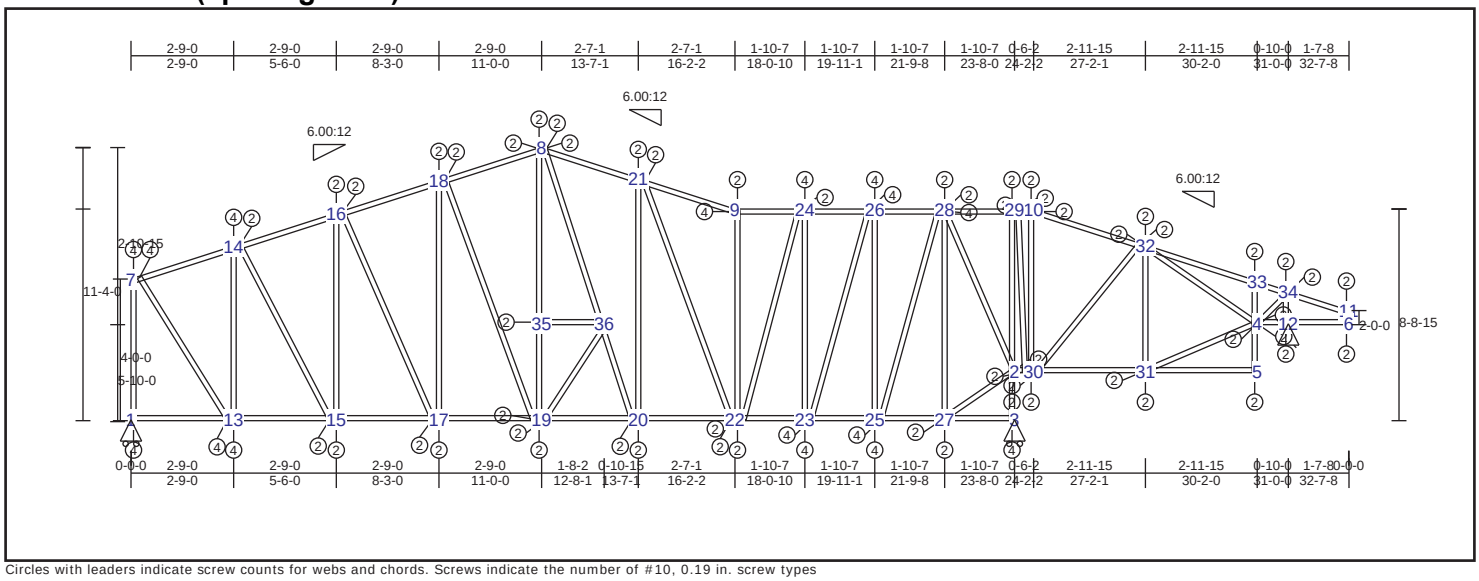
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
7-15	0.81	-756 lbs	-756 lbs	2-31	0.12	129 lbs	-40 lbs	1-7	0.30	-1120 lbs	-1120 lbs	4-32	0.02	-140 lbs	-140 lbs
15-17	0.50	-784 lbs	-784 lbs	31-32	0.10	129 lbs	-96 lbs	14-15	0.35	-943 lbs	-943 lbs	20-35	0.06	-300 lbs	-300 lbs
17-19	0.29	-784 lbs	-784 lbs	5-32	0.01	6 lbs	0 lbs	16-17	0.20	-413 lbs	-413 lbs	8-35	0.11	-300 lbs	-300 lbs
8-19	0.31	-750 lbs	-750 lbs	4-12	0.42	-259 lbs	-259 lbs	18-19	0.08	-126 lbs	-126 lbs	20-36	0.00	3 lbs	-2 lbs
8-22	0.24	-799 lbs	-799 lbs	6-12	0.33	0 lbs	0 lbs	21-22	0.22	389 lbs	-342 lbs	35-36	0.00	0 lbs	0 lbs
22-24	0.24	-799 lbs	-799 lbs	1-14	0.50	378 lbs	-237 lbs	23-24	0.06	168 lbs	-98 lbs	7-14	0.19	1017 lbs	-638 lbs
24-26	0.15	-785 lbs	-785 lbs	14-16	0.50	542 lbs	-315 lbs	25-26	0.10	-202 lbs	-202 lbs	15-16	0.11	518 lbs	-273 lbs
9-26	0.25	-820 lbs	-820 lbs	16-18	0.19	583 lbs	-315 lbs	9-27	0.36	-870 lbs	-870 lbs	17-18	0.04	171 lbs	-70 lbs
9-29	0.61	-557 lbs	-557 lbs	18-20	0.16	583 lbs	-309 lbs	28-29	0.08	-186 lbs	-186 lbs	19-20	0.12	318 lbs	-184 lbs
29-30	0.61	326 lbs	-289 lbs	20-21	0.19	588 lbs	-332 lbs	2-3	0.35	-1668 lbs	-1668 lbs	8-36	0.14	-366 lbs	-366 lbs
10-30	0.24	153 lbs	-107 lbs	21-23	0.19	608 lbs	-361 lbs	2-30	0.35	-1668 lbs	-1668 lbs	21-36	0.31	-369 lbs	-369 lbs
10-33	0.15	112 lbs	-42 lbs	23-25	0.12	608 lbs	-362 lbs	10-31	0.05	235 lbs	-209 lbs	22-23	0.13	-202 lbs	-202 lbs
33-34	0.10	155 lbs	-105 lbs	25-27	0.21	597 lbs	-362 lbs	32-33	0.01	97 lbs	-66 lbs	24-25	0.05	-94 lbs	-94 lbs
13-34	0.23	155 lbs	-97 lbs	27-28	0.45	525 lbs	-316 lbs	4-5	0.06	-97 lbs	-97 lbs	9-25	0.10	371 lbs	-237 lbs
11-13	0.15	56 lbs	-15 lbs	3-28	0.06	257 lbs	-152 lbs	4-34	0.07	114 lbs	-105 lbs	27-29	0.24	887 lbs	-548 lbs
								6-11	0.01	76 lbs	-33 lbs	31-33	0.05	214 lbs	-207 lbs
								12-13	0.04	-296 lbs	-296 lbs	10-30	0.12	-449 lbs	-449 lbs
								4-33	0.04	-229 lbs	-229 lbs	13-34	0.01	155 lbs	-13 lbs
								2-28	0.03	341 lbs	-205 lbs				
								2-29	0.30	-1010 lbs	-1010 lbs				

TRUSS TC16 (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 (7 - 14)	TL(V): 0.06 in.	L / 999	(21-9)	L / 90
BC :	0.53 (1 - 13)	LL(V): 0.04 in.	L / 999	(21-9)	L / 90
Web :	0.51 (25 - 26)	DL(V): 0.02 in.	L / 999	(21-9)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(21-9)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(21-9)	2L / 90
		Horiz TL: -0.01 in.		11	
		Web :			
		Snow/Wind -0.05 in.	L / 999	(21-9)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 999	(21-9)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1170 lbs	0 lbs	-570 lbs	0 lbs
3	HRoll		0 lbs	1380 lbs	0 lbs	-710 lbs	0 lbs
12	Fixed		-260 lbs	610 lbs	0 lbs	-310 lbs	-260 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-1	32-7-8

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

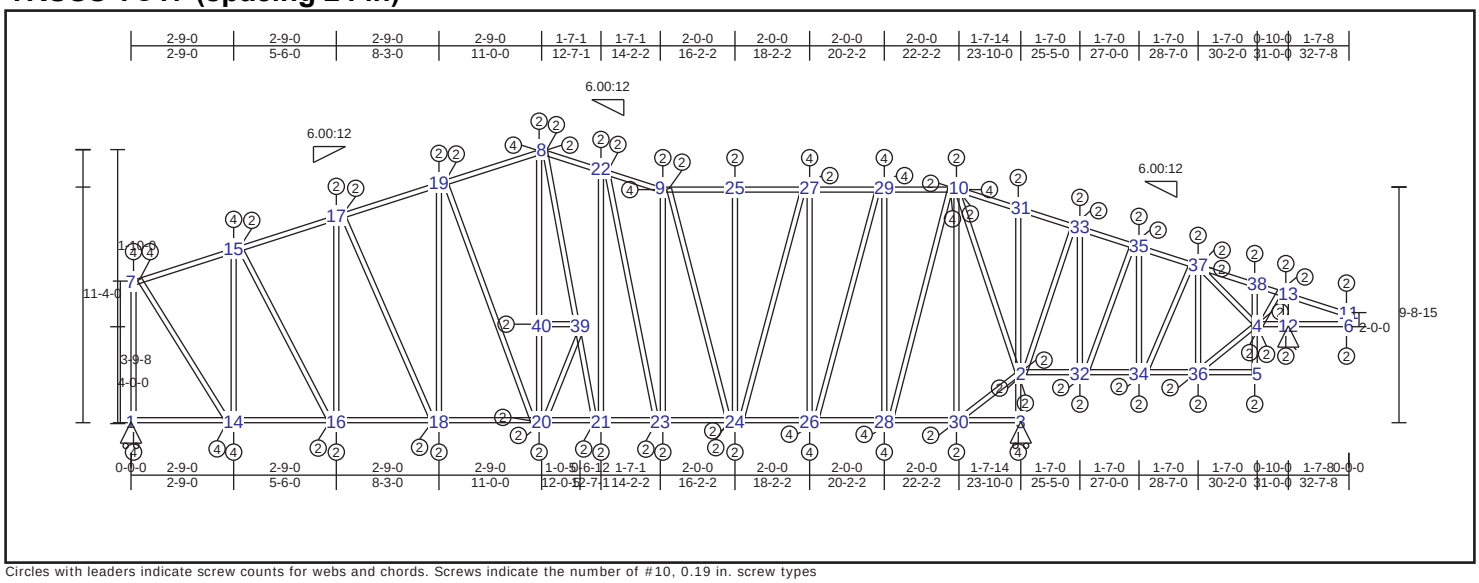
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
7-14	0.86	-807 lbs	-807 lbs	4-12	0.39	-282 lbs	-282 lbs	1-7	0.31	-1183 lbs	-1183 lbs	2-27	0.04	466 lbs	-281 lbs
14-16	0.52	-849 lbs	-849 lbs	6-12	0.30	0 lbs	0 lbs	13-14	0.37	-1005 lbs	-1005 lbs	12-34	0.06	-473 lbs	-473 lbs
16-18	0.30	-849 lbs	-849 lbs	2-30	0.52	294 lbs	-172 lbs	15-16	0.22	-461 lbs	-461 lbs	19-35	0.05	-265 lbs	-265 lbs
8-18	0.31	-817 lbs	-817 lbs	30-31	0.26	195 lbs	-190 lbs	17-18	0.09	-142 lbs	-142 lbs	8-35	0.11	-265 lbs	-265 lbs
8-21	0.34	-924 lbs	-924 lbs	5-31	0.12	195 lbs	-190 lbs	20-21	0.24	-384 lbs	-384 lbs	19-36	0.00	3 lbs	-2 lbs
9-21	0.40	-924 lbs	-924 lbs	1-13	0.53	401 lbs	-256 lbs	9-22	0.30	-587 lbs	-587 lbs	35-36	0.00	0 lbs	0 lbs
9-24	0.38	-760 lbs	-760 lbs	13-15	0.53	582 lbs	-347 lbs	23-24	0.40	-788 lbs	-788 lbs	7-13	0.21	1080 lbs	-689 lbs
24-26	0.48	-659 lbs	-659 lbs	15-17	0.21	635 lbs	-347 lbs	25-26	0.51	-1012 lbs	-1012 lbs	14-15	0.12	569 lbs	-293 lbs
26-28	0.53	-511 lbs	-511 lbs	17-19	0.16	635 lbs	-344 lbs	27-28	0.18	-361 lbs	-361 lbs	16-17	0.05	195 lbs	-87 lbs
28-29	0.53	369 lbs	-337 lbs	19-20	0.23	690 lbs	-386 lbs	2-3	0.37	-1366 lbs	-1366 lbs	18-19	0.10	290 lbs	-156 lbs
10-29	0.17	199 lbs	-156 lbs	20-22	0.19	711 lbs	-406 lbs	2-29	0.37	-1366 lbs	-1366 lbs	8-36	0.16	434 lbs	-390 lbs
10-32	0.30	-214 lbs	-214 lbs	22-23	0.37	711 lbs	-406 lbs	10-30	0.02	-58 lbs	-58 lbs	20-36	0.07	436 lbs	-392 lbs
32-33	0.25	-239 lbs	-239 lbs	23-25	0.51	609 lbs	-345 lbs	31-32	0.01	105 lbs	-56 lbs	21-22	0.09	-148 lbs	-148 lbs
33-34	0.29	-206 lbs	-206 lbs	25-27	0.51	462 lbs	-262 lbs	4-5	0.09	134 lbs	-118 lbs	22-24	0.20	608 lbs	-391 lbs
11-34	0.25	52 lbs	-16 lbs	3-27	0.02	-31 lbs	-31 lbs	4-33	0.12	134 lbs	-118 lbs	23-26	0.29	846 lbs	-572 lbs
								6-11	0.01	70 lbs	-35 lbs	25-28	0.36	999 lbs	-692 lbs
								4-34	0.02	252 lbs	-43 lbs	30-32	0.06	244 lbs	-216 lbs
								4-32	0.03	-173 lbs	-173 lbs				
								4-31	0.04	227 lbs	-222 lbs				
								2-28	0.26	-735 lbs	-735 lbs				

TRUSS TC17 (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 (7 - 15)	TL(V): 0.07 in.	L / 574	(22-9)	L / 90
BC :	0.57 (26 - 28)	LL(V): 0.05 in.	L / 853	(22-9)	L / 90
Web :	0.97 (2 - 31)	DL(V): 0.02 in.	L / 999	(22-9)	L / 0
		Cant / OH TL: 0.05 in.	2L / 999	(22-9)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 999	(22-9)	2L / 90
		Horiz TL: 0.01 in.		19	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(23-24)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 999	(23-24)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1180 lbs	0 lbs	-610 lbs	0 lbs
3	HRoll		0 lbs	1380 lbs	0 lbs	-660 lbs	0 lbs
12	Fixed		-260 lbs	600 lbs	0 lbs	-360 lbs	-260 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-1	32-7-8

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

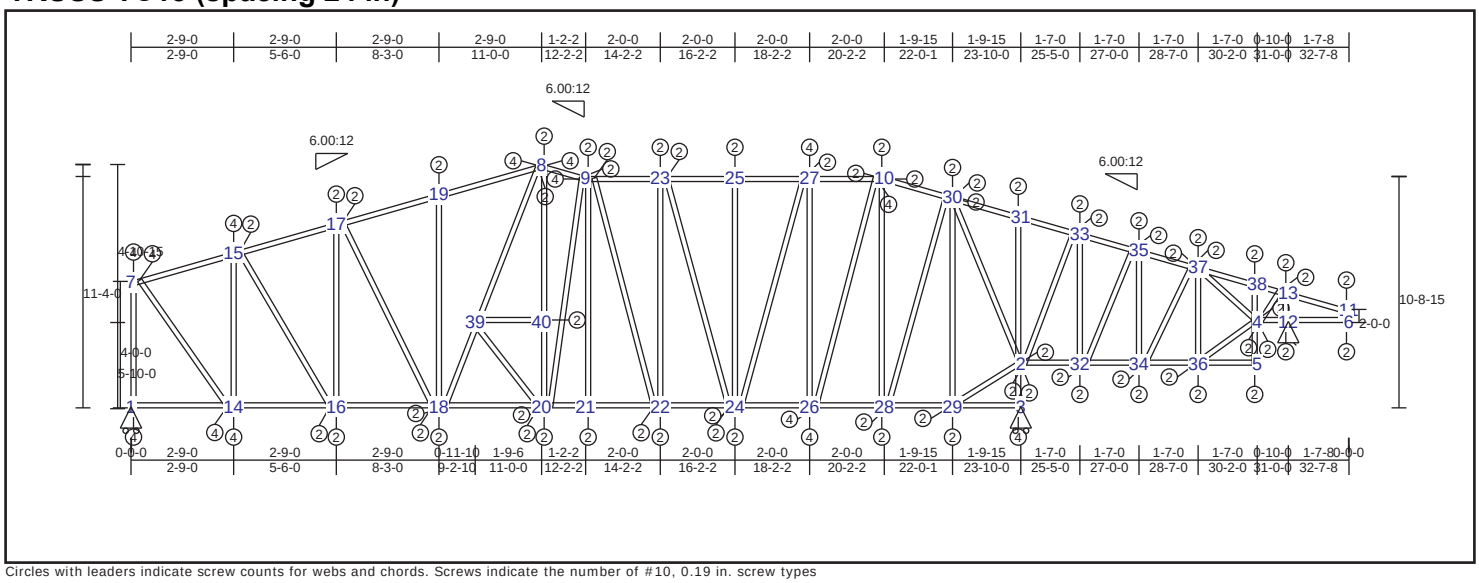
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
10-31	0.11	323 lbs	-196 lbs	2-32	0.10	136 lbs	-108 lbs	1-7	0.31	-1189 lbs	-1189 lbs	2-30	0.03	368 lbs	-189 lbs
31-33	0.15	279 lbs	-163 lbs	32-34	0.10	170 lbs	-156 lbs	14-15	0.37	-1010 lbs	-1010 lbs	4-37	0.03	-217 lbs	-217 lbs
33-35	0.11	285 lbs	-220 lbs	34-36	0.04	-173 lbs	-173 lbs	16-17	0.23	-464 lbs	-464 lbs	4-36	0.04	-277 lbs	-277 lbs
35-37	0.10	268 lbs	-244 lbs	5-36	0.01	8 lbs	-1 lbs	18-19	0.09	-141 lbs	-141 lbs	20-40	0.05	-239 lbs	-239 lbs
37-38	0.12	266 lbs	-244 lbs	4-12	0.39	-259 lbs	-259 lbs	21-22	0.34	-504 lbs	-504 lbs	8-40	0.11	-239 lbs	-239 lbs
13-38	0.29	222 lbs	-192 lbs	6-12	0.32	0 lbs	0 lbs	9-23	0.13	291 lbs	-215 lbs	20-39	0.00	4 lbs	-4 lbs
11-13	0.18	57 lbs	-12 lbs	1-14	0.54	403 lbs	-272 lbs	24-25	0.08	-139 lbs	-139 lbs	39-40	0.00	0 lbs	0 lbs
9-25	0.37	-771 lbs	-771 lbs	14-16	0.54	586 lbs	-375 lbs	26-27	0.47	-786 lbs	-786 lbs	7-14	0.22	1086 lbs	-733 lbs
25-27	0.39	-710 lbs	-710 lbs	16-18	0.21	639 lbs	-380 lbs	28-29	0.67	-1121 lbs	-1121 lbs	15-16	0.13	574 lbs	-322 lbs
27-29	0.55	630 lbs	-610 lbs	18-20	0.13	639 lbs	-380 lbs	10-30	0.18	-302 lbs	-302 lbs	17-18	0.04	198 lbs	-72 lbs
10-29	0.83	531 lbs	-467 lbs	20-21	0.25	665 lbs	-371 lbs	2-3	0.27	-1381 lbs	-1381 lbs	19-20	0.10	261 lbs	-151 lbs
7-15	0.86	-811 lbs	-811 lbs	21-23	0.25	705 lbs	-415 lbs	2-31	0.97	-1381 lbs	-1381 lbs	8-39	0.17	486 lbs	-432 lbs
15-17	0.52	-855 lbs	-855 lbs	23-24	0.22	705 lbs	-415 lbs	32-33	0.06	-213 lbs	-213 lbs	21-39	0.36	490 lbs	-433 lbs
17-19	0.31	-855 lbs	-855 lbs	24-26	0.37	644 lbs	-376 lbs	34-35	0.02	-73 lbs	-73 lbs	22-23	0.23	-352 lbs	-352 lbs
8-19	0.31	-823 lbs	-823 lbs	26-28	0.57	543 lbs	-308 lbs	36-37	0.03	209 lbs	-173 lbs	9-24	0.23	-377 lbs	-377 lbs
8-22	0.27	-893 lbs	-893 lbs	28-30	0.57	401 lbs	-209 lbs	4-5	0.09	-215 lbs	-215 lbs	24-27	0.24	591 lbs	-403 lbs
9-22	0.29	-893 lbs	-893 lbs	3-30	0.02	-15 lbs	-15 lbs	4-38	0.11	-215 lbs	-215 lbs	26-29	0.36	839 lbs	-587 lbs
								6-11	0.01	71 lbs	-27 lbs	10-28	0.48	1111 lbs	-795 lbs
								12-13	0.07	-514 lbs	-514 lbs	2-31	0.08	311 lbs	-275 lbs
								2-10	0.30	-697 lbs	-697 lbs	32-35	0.04	212 lbs	-148 lbs
												34-37	0.01	86 lbs	-24 lbs
												13-38	0.03	312 lbs	-82 lbs

TRUSS TC18 (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 :	0.87 (7 - 15)	TL(V): 0.07 in.	L / 999	(9-23)	L / 90
BC :	0.55 (1 - 14)	LL(V): 0.04 in.	L / 999	(9-23)	L / 90
Web :	0.58 (26 - 27)	DL(V): 0.02 in.	L / 712	9	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(9-23)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(9-23)	2L / 90
		Horiz TL: -0.01 in.		7	
		Web :			
		Snow/Wind -0.05 in.	L / 999	(19-8)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 999	(19-8)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1200 lbs	0 lbs	-640 lbs	0 lbs
3	HRoll		0 lbs	1290 lbs	0 lbs	-640 lbs	0 lbs
12	Fixed		-260 lbs	670 lbs	0 lbs	-400 lbs	-260 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-1	32-7-8

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

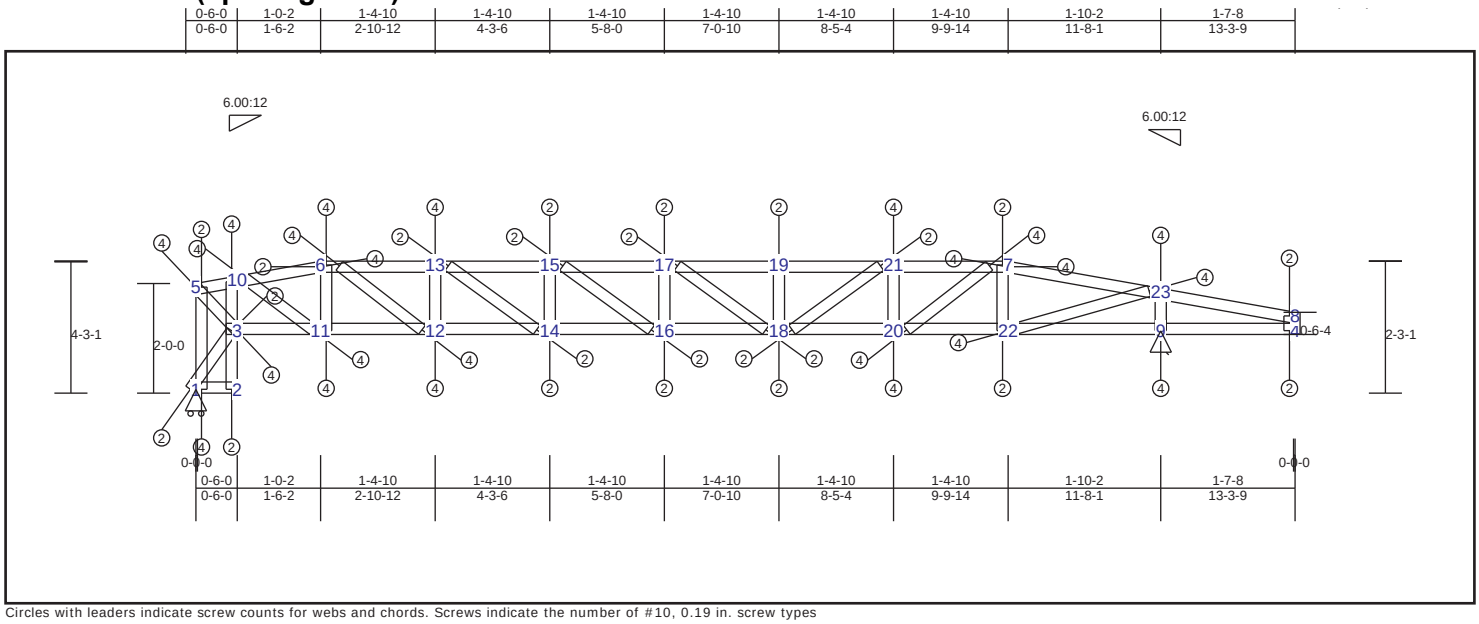
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
10-30	0.37	-746 lbs	-746 lbs	2-32	0.30	350 lbs	-214 lbs	1-7	0.32	-1209 lbs	-1209 lbs	2-29	0.04	463 lbs	-243 lbs
30-31	0.45	-746 lbs	-746 lbs	32-34	0.09	222 lbs	-184 lbs	14-15	0.38	-1032 lbs	-1032 lbs	2-30	0.28	-647 lbs	-647 lbs
31-33	0.15	333 lbs	-243 lbs	34-36	0.05	222 lbs	-193 lbs	16-17	0.23	-469 lbs	-469 lbs	4-37	0.03	-214 lbs	-214 lbs
33-35	0.10	332 lbs	-290 lbs	5-36	0.01	10 lbs	-2 lbs	18-19	0.18	-293 lbs	-293 lbs	20-40	0.09	545 lbs	-475 lbs
35-37	0.12	315 lbs	-309 lbs	4-12	0.39	-259 lbs	-259 lbs	9-21	0.02	42 lbs	-32 lbs	8-40	0.18	545 lbs	-475 lbs
37-38	0.14	309 lbs	-309 lbs	6-12	0.31	0 lbs	0 lbs	22-23	0.07	153 lbs	-101 lbs	20-39	0.00	1 lbs	0 lbs
13-38	0.32	242 lbs	-221 lbs	1-14	0.55	411 lbs	-284 lbs	24-25	0.11	-156 lbs	-156 lbs	39-40	0.00	0 lbs	0 lbs
11-13	0.19	58 lbs	-11 lbs	14-16	0.55	599 lbs	-395 lbs	26-27	0.58	-845 lbs	-845 lbs	7-14	0.23	1107 lbs	-766 lbs
9-23	0.21	759 lbs	-755 lbs	16-18	0.21	655 lbs	-405 lbs	10-28	0.45	-660 lbs	-660 lbs	15-16	0.14	591 lbs	-349 lbs
23-25	0.24	750 lbs	-743 lbs	18-20	0.21	655 lbs	-405 lbs	29-30	0.21	-349 lbs	-349 lbs	17-18	0.03	208 lbs	-65 lbs
25-27	0.43	709 lbs	-691 lbs	20-21	0.27	671 lbs	-391 lbs	2-3	0.30	-1284 lbs	-1284 lbs	9-22	0.06	-79 lbs	-79 lbs
10-27	0.60	644 lbs	-604 lbs	21-22	0.14	671 lbs	-391 lbs	2-31	0.30	-1284 lbs	-1284 lbs	23-24	0.24	-339 lbs	-339 lbs
8-9	0.24	-850 lbs	-850 lbs	22-24	0.20	660 lbs	-382 lbs	32-33	0.06	-197 lbs	-197 lbs	24-27	0.30	562 lbs	-427 lbs
7-15	0.87	-829 lbs	-829 lbs	24-26	0.42	607 lbs	-342 lbs	34-35	0.02	-89 lbs	-89 lbs	10-26	0.45	860 lbs	-648 lbs
15-17	0.53	-872 lbs	-872 lbs	26-28	0.42	521 lbs	-276 lbs	36-37	0.04	234 lbs	-219 lbs	28-30	0.23	658 lbs	-378 lbs
17-19	0.36	-879 lbs	-879 lbs	28-29	0.32	394 lbs	-186 lbs	4-5	0.11	245 lbs	-239 lbs	2-31	0.08	306 lbs	-271 lbs
8-19	0.31	-879 lbs	-879 lbs	3-29	0.02	-22 lbs	-22 lbs	4-38	0.14	262 lbs	-239 lbs	32-35	0.02	181 lbs	-102 lbs
								6-11	0.01	71 lbs	-25 lbs	34-37	0.01	104 lbs	-24 lbs
								12-13	0.08	-581 lbs	-581 lbs	9-20	0.37	-538 lbs	-538 lbs
								4-36	0.04	-308 lbs	-308 lbs	13-38	0.04	381 lbs	-128 lbs
												18-39	0.04	-247 lbs	-247 lbs
												8-39	0.10	-247 lbs	-247 lbs

TRUSS TD01 (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 (6 - 13)	TL(V): 0.01 in.	L / 999	(15-17)	L / 90
BC :	0.31 (11 - 12)	LL(V): 0.01 in.	L / 999	(15-17)	L / 90
Web :	0.21 (1 - 5)	DL(V): 0 in.	L / 999	6	L / 0
		Cant / OH TL: 0.01 in.	2L / 999	(15-17)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 999	(15-17)	2L / 90
		Horiz TL: -0.01 in.		1	
		Web :			
		Snow/Wind -0.02 in.	L / 999	(15-17)	L / 90
		Cant (Snow/Wind) -0.02 in.	L / 999	(15-17)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	550 lbs	0 lbs	-290 lbs	0 lbs
9	Fixed		-90 lbs	720 lbs	0 lbs	-400 lbs	-90 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
4-3-2	13-5-2

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

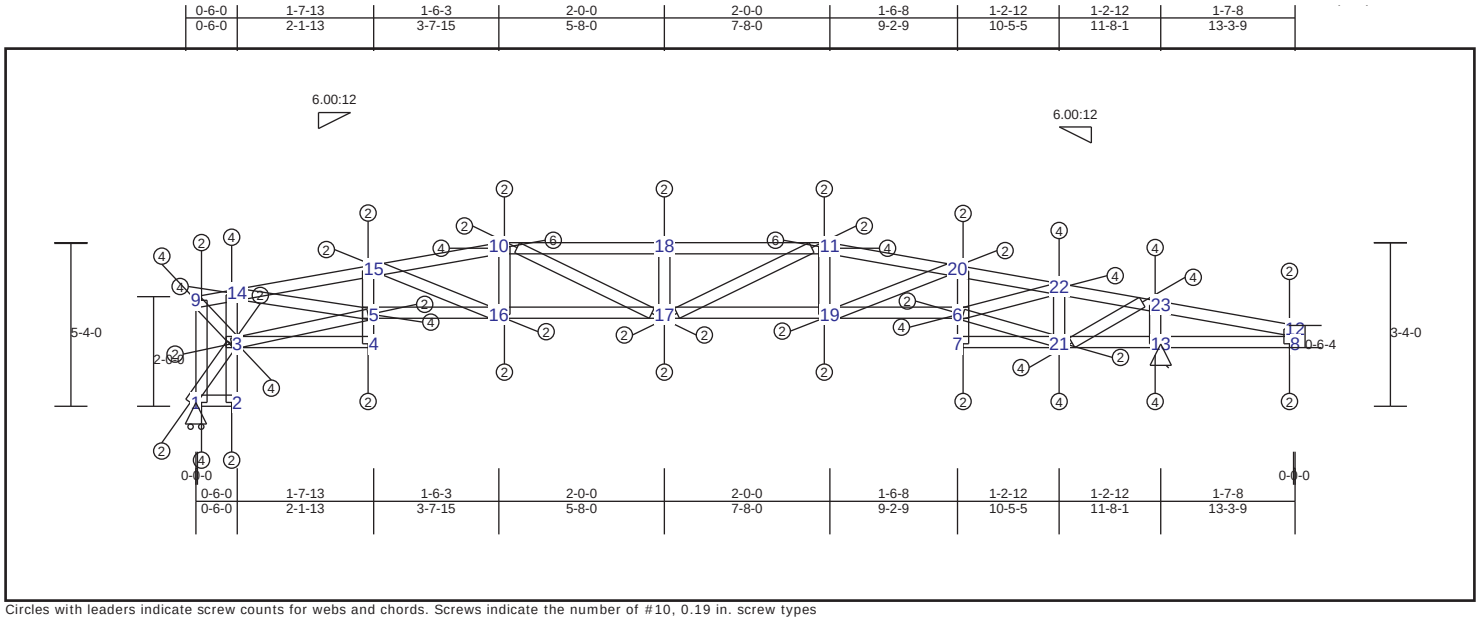
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
6-13	0.47	-566 lbs	-566 lbs	1-2	0.00	9 lbs	-6 lbs	1-5	0.21	-551 lbs	-551 lbs
13-15	0.30	-706 lbs	-706 lbs	3-11	0.29	322 lbs	-231 lbs	2-3	0.09	-77 lbs	-77 lbs
15-17	0.22	-755 lbs	-755 lbs	11-12	0.31	553 lbs	-411 lbs	3-10	0.17	-591 lbs	-591 lbs
17-19	0.17	-755 lbs	-755 lbs	12-14	0.31	694 lbs	-523 lbs	6-11	0.08	-369 lbs	-369 lbs
19-21	0.30	-721 lbs	-721 lbs	14-16	0.16	743 lbs	-567 lbs	12-13	0.10	-486 lbs	-486 lbs
7-21	0.46	-598 lbs	-598 lbs	16-18	0.15	743 lbs	-567 lbs	14-15	0.05	-236 lbs	-236 lbs
5-10	0.30	-382 lbs	-382 lbs	18-20	0.30	708 lbs	-548 lbs	16-17	0.01	68 lbs	-52 lbs
6-10	0.26	-382 lbs	-382 lbs	20-22	0.30	585 lbs	-463 lbs	18-19	0.02	-117 lbs	-117 lbs
7-23	0.39	-445 lbs	-445 lbs	9-22	0.17	370 lbs	-309 lbs	20-21	0.09	-460 lbs	-460 lbs
8-23	0.47	-260 lbs	-260 lbs	4-9	0.17	-90 lbs	-90 lbs	7-22	0.06	-314 lbs	-314 lbs
								9-23	0.13	-676 lbs	-676 lbs
								4-8	0.00	24 lbs	-12 lbs
								3-5	0.07	534 lbs	-376 lbs
								1-3	0.02	-82 lbs	-82 lbs
								6-12	0.09	555 lbs	-432 lbs
								13-14	0.05	319 lbs	-256 lbs
								15-16	0.02	112 lbs	-100 lbs
								17-18	0.02	-79 lbs	-79 lbs
								18-21	0.04	280 lbs	-194 lbs
								7-20	0.08	517 lbs	-371 lbs
								10-11	0.05	377 lbs	-276 lbs
								22-23	0.06	452 lbs	-280 lbs

TRUSS TD02 (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 (22 - 23)	TL(V): 0.01 in.	L / 999	(18-11)	L / 90
BC :	0.52 (21 - 13)	LL(V): 0.01 in.	L / 999	(18-11)	L / 90
Web :	0.20 (1 - 9)	DL(V): 0 in.	L / 999	(11-20)	L / 0
		Cant / OH TL: 0.01 in.	2L / 999	(18-11)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 999	(18-11)	2L / 90
		Horiz TL: -0.02 in.		1	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(23-12)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 999	(23-12)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	550 lbs	0 lbs	-250 lbs	0 lbs
13	Fixed		-140 lbs	730 lbs	0 lbs	-420 lbs	-140 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
5-4-1	13-5-2

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

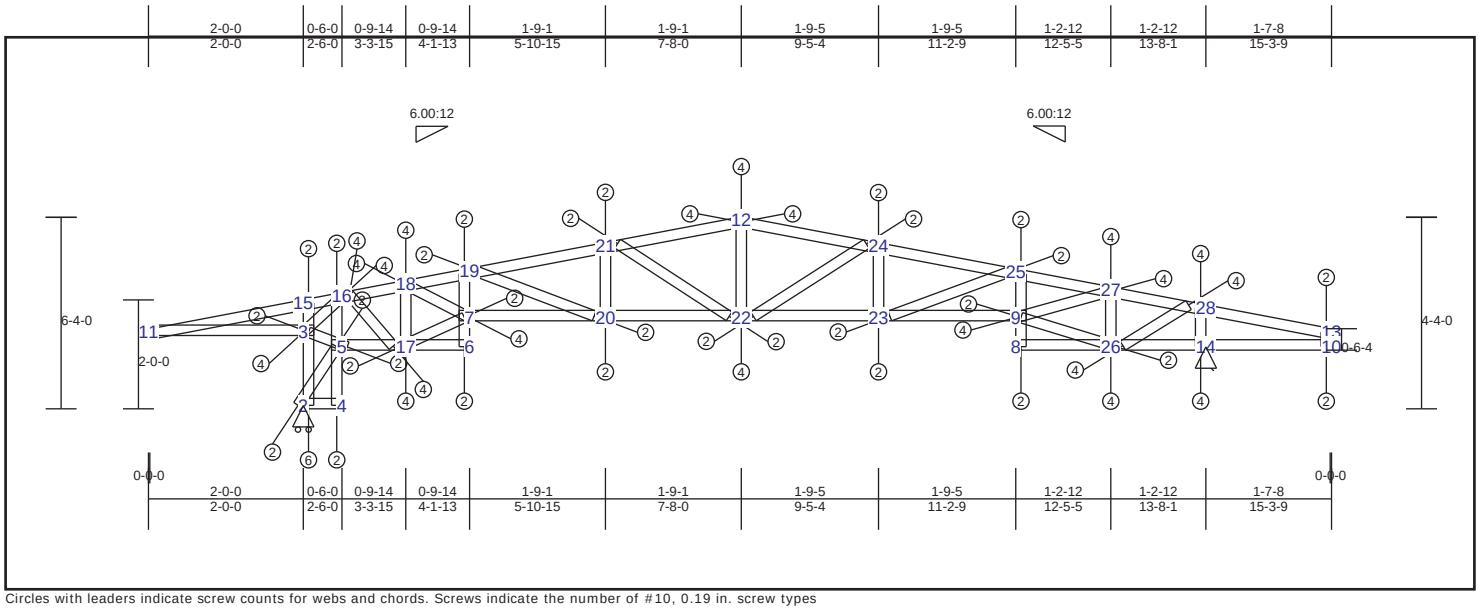
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
11-20	0.22	-774 lbs	-774 lbs	1-2	0.00	10 lbs	-7 lbs	1-9	0.20	-548 lbs	-548 lbs
20-22	0.19	-777 lbs	-777 lbs	3-4	0.31	148 lbs	-92 lbs	2-3	0.10	-81 lbs	-81 lbs
22-23	0.47	-777 lbs	-777 lbs	5-16	0.11	651 lbs	-417 lbs	3-14	0.18	-620 lbs	-620 lbs
12-23	0.29	61 lbs	-8 lbs	16-17	0.20	704 lbs	-501 lbs	4-5	0.09	86 lbs	-48 lbs
10-18	0.34	-735 lbs	-735 lbs	17-19	0.20	704 lbs	-501 lbs	5-15	0.12	-113 lbs	-113 lbs
11-18	0.34	-735 lbs	-735 lbs	6-19	0.15	678 lbs	-564 lbs	10-16	0.02	-93 lbs	-93 lbs
9-14	0.30	-395 lbs	-395 lbs	7-21	0.28	-254 lbs	-254 lbs	17-18	0.05	-248 lbs	-248 lbs
14-15	0.26	-755 lbs	-755 lbs	13-21	0.52	-254 lbs	-254 lbs	11-19	0.03	-128 lbs	-128 lbs
10-15	0.21	-755 lbs	-755 lbs	8-13	0.42	0 lbs	0 lbs	6-7	0.15	243 lbs	-224 lbs
								6-20	0.17	243 lbs	-224 lbs
								21-22	0.12	-611 lbs	-611 lbs
								8-12	0.01	73 lbs	-17 lbs
								6-22	0.07	511 lbs	-367 lbs
								6-21	0.06	-327 lbs	-327 lbs
								13-23	0.13	-672 lbs	-672 lbs
								5-14	0.07	535 lbs	-346 lbs
								3-5	0.02	160 lbs	-99 lbs
								3-9	0.06	499 lbs	-313 lbs
								1-3	0.02	-86 lbs	-86 lbs
								10-17	0.04	-175 lbs	-175 lbs
								11-17	0.02	145 lbs	-96 lbs
								21-23	0.05	441 lbs	-221 lbs
								15-16	0.01	108 lbs	-67 lbs
								19-20	0.02	146 lbs	-88 lbs

TRUSS TD03 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. MAx CSI calculated based on selected items in the Settings/Engineering/General section.Member 2-15 is a cantilever member, and its configuration may result in frame instability. A k value of 1 has been assumed for this member. Further review of this truss component will be required to determine if it is subject to frame instability.

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.47 (27 - 28)	TL(V): 0.01 in.	L / 999	(24-25)	L / 90
BC :	0.51 (26 - 14)	LL(V): 0.01 in.	L / 999	(24-25)	L / 90
Web :	0.20 (2 - 3)	DL(V): 0 in.	L / 999	(12-24)	L / 0
		Cant / OH TL: 0.01 in.	2L / 999	(24-25)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 999	(24-25)	2L / 90
		Horiz TL: -0.02 in.		2	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(28-13)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 999	(28-13)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	740 lbs	0 lbs	-440 lbs	0 lbs
14	Fixed		-50 lbs	720 lbs	0 lbs	-400 lbs	-50 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-3-12	15-3-9

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

Material Design Pass

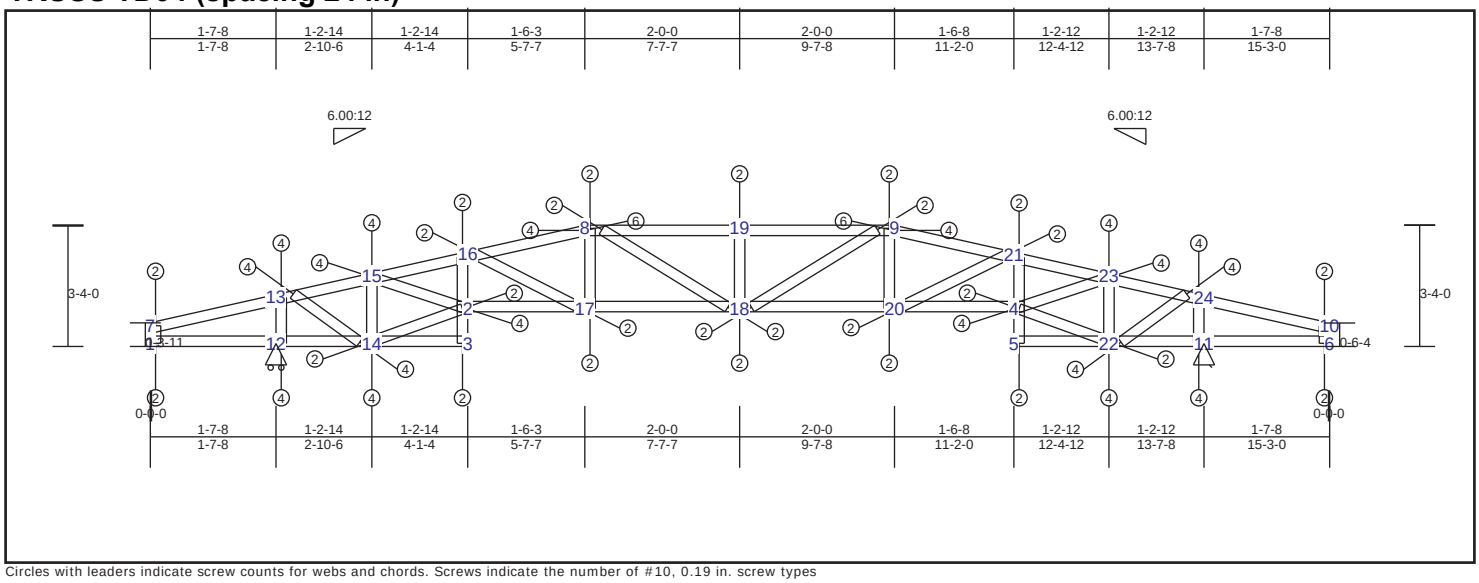
Member Forces Summary

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

Top Chord				Bot Chord				Web			
12-24	0.26	-609 lbs	-609 lbs	2-4	0.00	5 lbs	-4 lbs	4-5	0.05	-54 lbs	-54 lbs
24-25	0.23	-747 lbs	-747 lbs	5-17	0.25	200 lbs	-55 lbs	5-16	0.07	-154 lbs	-154 lbs
25-27	0.20	-751 lbs	-751 lbs	6-17	0.06	7 lbs	-4 lbs	17-18	0.13	-633 lbs	-633 lbs
27-28	0.47	-751 lbs	-751 lbs	8-26	0.28	225 lbs	-145 lbs	6-7	0.12	285 lbs	-90 lbs
13-28	0.29	60 lbs	-8 lbs	14-26	0.51	225 lbs	-145 lbs	7-19	0.15	285 lbs	-155 lbs
11-15	0.22	-193 lbs	-193 lbs	10-14	0.42	0 lbs	0 lbs	20-21	0.01	63 lbs	-42 lbs
15-16	0.33	-328 lbs	-328 lbs	7-20	0.07	549 lbs	-208 lbs	12-22	0.06	399 lbs	-281 lbs
16-18	0.27	-626 lbs	-626 lbs	20-22	0.20	535 lbs	-170 lbs	23-24	0.02	-116 lbs	-116 lbs
18-19	0.21	-681 lbs	-681 lbs	22-23	0.20	565 lbs	-252 lbs	8-9	0.13	226 lbs	-132 lbs
19-21	0.22	-681 lbs	-681 lbs	9-23	0.10	642 lbs	-358 lbs	9-25	0.15	226 lbs	-132 lbs
12-21	0.24	-602 lbs	-602 lbs	3-11	0.15	229 lbs	-136 lbs	26-27	0.12	-584 lbs	-584 lbs
								10-13	0.01	72 lbs	-17 lbs
								2-3	0.20	-736 lbs	-736 lbs
								3-15	0.20	-680 lbs	-680 lbs
								14-28	0.13	-660 lbs	-660 lbs
								9-27	0.06	493 lbs	-252 lbs
								9-26	0.04	294 lbs	-188 lbs
								7-17	0.04	311 lbs	-85 lbs
								7-18	0.07	558 lbs	-244 lbs
								2-5	0.01	-58 lbs	-58 lbs
								3-5	0.02	165 lbs	0 lbs
								3-16	0.11	-583 lbs	-583 lbs
								16-17	0.05	410 lbs	-272 lbs

Web			
19-20	0.01	53 lbs	-41 lbs
21-22	0.04	197 lbs	-194 lbs
22-24	0.05	259 lbs	-251 lbs
23-25	0.02	148 lbs	-107 lbs
26-28	0.05	428 lbs	-188 lbs

TRUSS TD04 (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 (23 - 24)	TL(V): 0.01 in.	L / 999	(8-19)	L / 90
BC :	0.52 (22 - 11)	LL(V): 0.01 in.	L / 999	(8-19)	L / 90
Web :	0.16 (4 - 21)	DL(V): 0 in.	L / 999	(9-21)	L / 0
		Cant / OH TL: 0.01 in.	2L / 999	(7-13)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 999	(7-13)	2L / 90
		Horiz TL: -0.01 in.		1	
		Web :			
		Snow/Wind -0.05 in.	L / 992	(1-12)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 999	(1-12)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
11	Fixed		-20 lbs	730 lbs	0 lbs	-420 lbs	-20 lbs
12	HRoll		0 lbs	730 lbs	0 lbs	-440 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
3-4-8	15-3-0

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

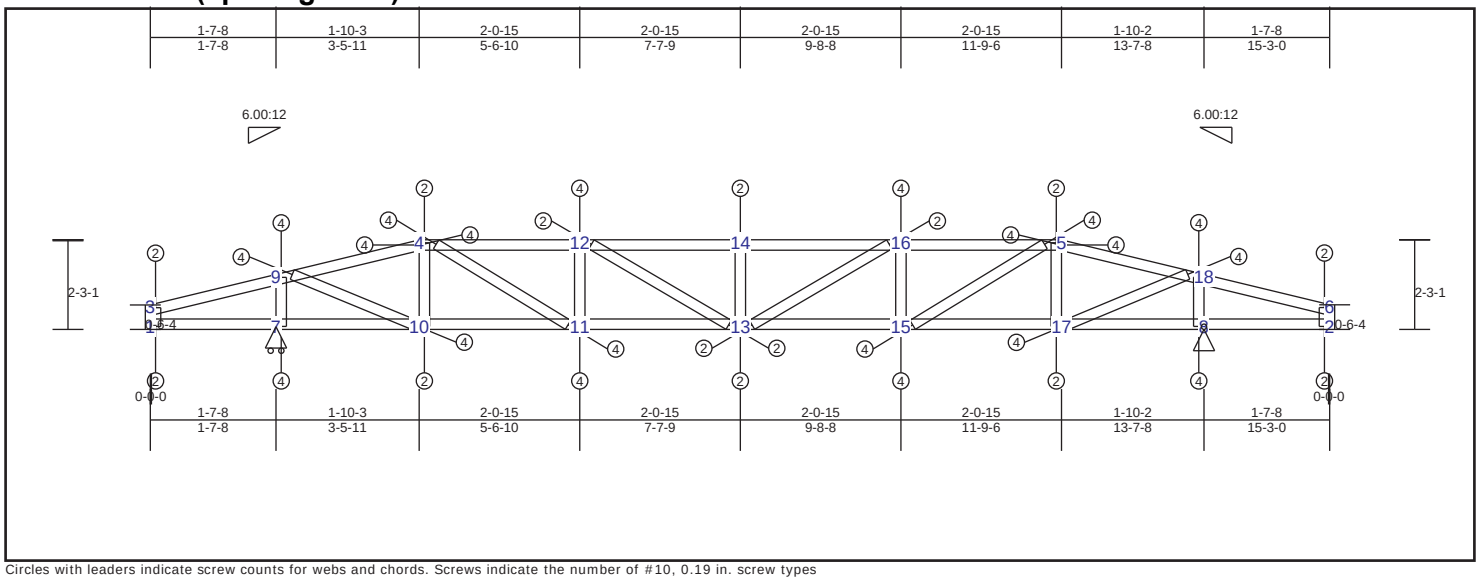
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
9-21	0.22	-775 lbs	-775 lbs	2-17	0.10	656 lbs	-245 lbs	1-7	0.01	62 lbs	-17 lbs
21-23	0.19	-776 lbs	-776 lbs	17-18	0.16	696 lbs	-344 lbs	14-15	0.12	-597 lbs	-597 lbs
23-24	0.47	-776 lbs	-776 lbs	18-20	0.16	696 lbs	-344 lbs	2-3	0.13	224 lbs	-69 lbs
10-24	0.29	61 lbs	-7 lbs	4-20	0.10	660 lbs	-382 lbs	2-16	0.16	224 lbs	-69 lbs
7-13	0.29	58 lbs	-7 lbs	1-12	0.35	0 lbs	0 lbs	8-17	0.02	98 lbs	-84 lbs
13-15	0.47	-773 lbs	-773 lbs	12-14	0.44	234 lbs	-66 lbs	18-19	0.05	-248 lbs	-248 lbs
15-16	0.19	-773 lbs	-773 lbs	3-14	0.28	234 lbs	-66 lbs	9-20	0.02	-100 lbs	-100 lbs
8-16	0.22	-772 lbs	-772 lbs	5-22	0.29	234 lbs	-147 lbs	4-5	0.14	233 lbs	-136 lbs
8-19	0.34	-744 lbs	-744 lbs	11-22	0.52	234 lbs	-147 lbs	4-21	0.16	233 lbs	-136 lbs
9-19	0.34	-744 lbs	-744 lbs	6-11	0.43	0 lbs	0 lbs	22-23	0.12	-605 lbs	-605 lbs
								6-10	0.01	73 lbs	-17 lbs
								11-24	0.13	-678 lbs	-678 lbs
								12-13	0.13	-674 lbs	-674 lbs
								4-23	0.06	506 lbs	-280 lbs
								2-14	0.04	291 lbs	-80 lbs
								2-15	0.06	504 lbs	-261 lbs
								4-22	0.04	302 lbs	-188 lbs
								13-14	0.05	444 lbs	-125 lbs
								8-18	0.04	-173 lbs	-173 lbs
								9-18	0.02	155 lbs	-105 lbs
								22-24	0.05	447 lbs	-235 lbs
								20-21	0.02	114 lbs	-81 lbs
								16-17	0.02	99 lbs	-79 lbs

TRUSS TD05 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.49 (9 - 4)	TL(V): 0.01 in.	L / 999	(12-14)	L / 90
BC :	0.41 (17 - 8)	LL(V): 0.01 in.	L / 999	(12-14)	L / 90
Web :	0.13 (8 - 18)	DL(V): 0 in.	L / 999	(3-9)	L / 0
		Cant / OH TL: 0.01 in.	2L / 999	(18-6)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 999	(18-6)	2L / 90
		Horiz TL: -0.01 in.		6	
		Web :			
		Snow/Wind -0.06 in.	L / 730	(18-6)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 621	(18-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	HRoll		0 lbs	730 lbs	0 lbs	-480 lbs	0 lbs
8	Pin		10 lbs	730 lbs	0 lbs	-450 lbs	10 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-3-1	15-3-0

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

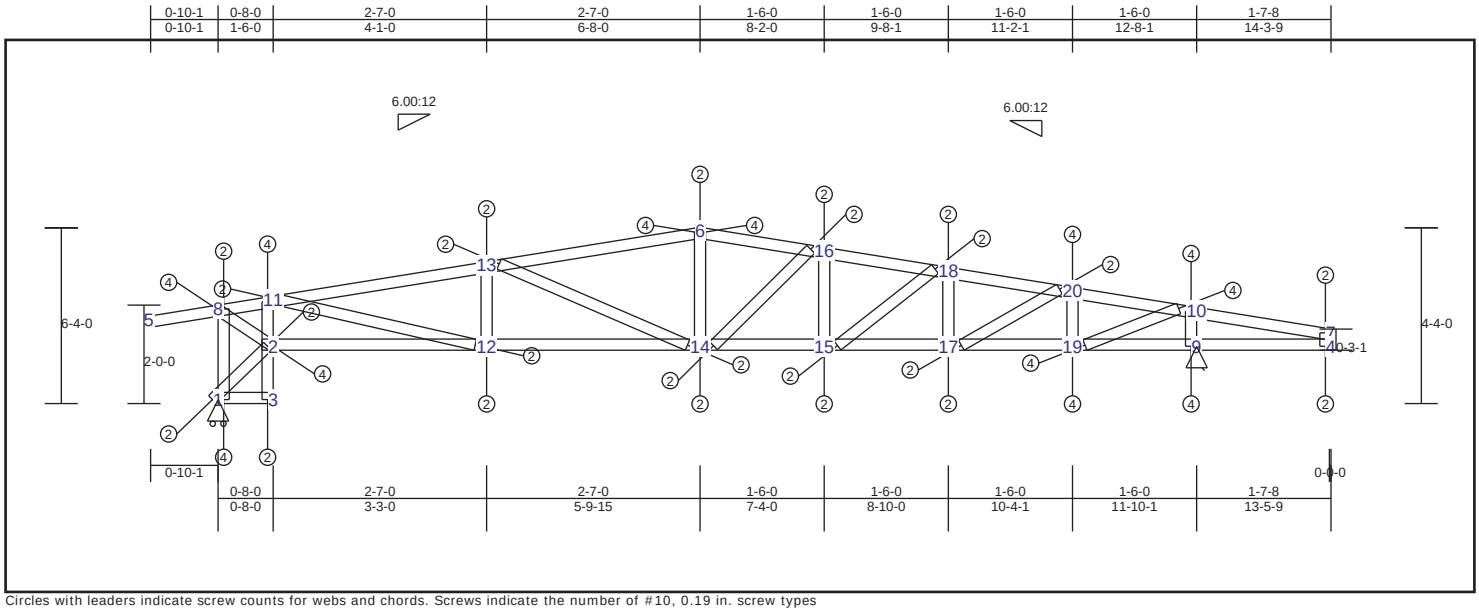
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-9	0.31	59 lbs	-6 lbs	1-7	0.34	0 lbs	0 lbs	1-3	0.01	59 lbs	-13 lbs
4-9	0.49	-423 lbs	-423 lbs	7-10	0.38	333 lbs	-76 lbs	4-10	0.06	-307 lbs	-307 lbs
5-18	0.49	-421 lbs	-421 lbs	10-11	0.23	643 lbs	-263 lbs	11-12	0.07	-356 lbs	-356 lbs
6-18	0.31	60 lbs	-6 lbs	11-13	0.23	737 lbs	-325 lbs	13-14	0.03	-162 lbs	-162 lbs
4-12	0.45	-672 lbs	-672 lbs	13-15	0.23	737 lbs	-325 lbs	15-16	0.07	-357 lbs	-357 lbs
12-14	0.36	-766 lbs	-766 lbs	15-17	0.24	642 lbs	-280 lbs	5-17	0.06	-308 lbs	-308 lbs
14-16	0.36	-766 lbs	-766 lbs	8-17	0.41	331 lbs	-104 lbs	2-6	0.01	63 lbs	-13 lbs
5-16	0.45	-671 lbs	-671 lbs	2-8	0.36	0 lbs	0 lbs	7-9	0.13	-676 lbs	-676 lbs
								8-18	0.13	-676 lbs	-676 lbs
								4-11	0.07	500 lbs	-316 lbs
								12-13	0.02	148 lbs	-97 lbs
								13-16	0.02	149 lbs	-70 lbs
								5-15	0.06	501 lbs	-283 lbs
								17-18	0.05	437 lbs	-145 lbs
								9-10	0.05	438 lbs	-99 lbs

TRUSS TD06 (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 :	0.46 (20 - 10)	TL(V): 0.01 in.	L / 999	(13-6)	L / 90
BC :	0.53 (19 - 9)	LL(V): 0.01 in.	L / 999	(13-6)	L / 90
Web :	0.19 (1 - 8)	DL(V): 0 in.	L / 999	(5-8)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: -0.01 in.		1	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(10-7)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 0	(10-7)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	640 lbs	0 lbs	-340 lbs	0 lbs
9	Fixed		-100 lbs	730 lbs	0 lbs	-410 lbs	-100 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-3-12	14-3-9

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

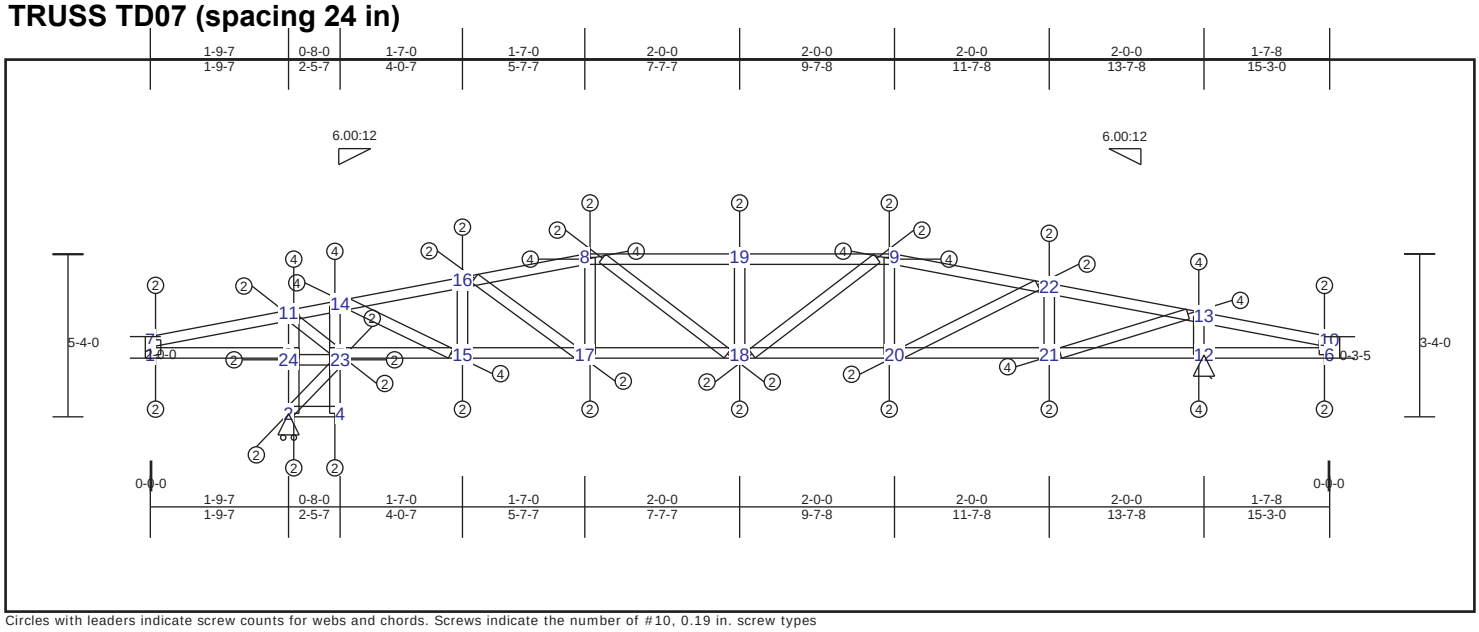
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
5-8	0.27	103 lbs	-96 lbs	2-12	0.11	444 lbs	-220 lbs	1-8	0.19	-637 lbs	-637 lbs
8-11	0.39	-421 lbs	-421 lbs	12-14	0.17	444 lbs	-220 lbs	2-3	0.04	-27 lbs	-27 lbs
11-13	0.33	-553 lbs	-553 lbs	14-15	0.17	422 lbs	-243 lbs	2-11	0.14	-498 lbs	-498 lbs
6-13	0.33	-538 lbs	-538 lbs	15-17	0.09	434 lbs	-287 lbs	12-13	0.03	-138 lbs	-138 lbs
6-16	0.18	-496 lbs	-496 lbs	17-19	0.25	434 lbs	-287 lbs	6-14	0.07	296 lbs	-264 lbs
16-18	0.17	-542 lbs	-542 lbs	9-19	0.53	328 lbs	-254 lbs	15-16	0.03	-119 lbs	-119 lbs
18-20	0.21	-542 lbs	-542 lbs	4-9	0.43	0 lbs	0 lbs	17-18	0.03	-133 lbs	-133 lbs
10-20	0.46	-518 lbs	-518 lbs	1-3	0.00	4 lbs	-4 lbs	19-20	0.08	-396 lbs	-396 lbs
7-10	0.26	60 lbs	-9 lbs					4-7	0.01	74 lbs	-21 lbs
								9-10	0.13	-698 lbs	-698 lbs
								2-8	0.13	524 lbs	-307 lbs
								1-2	0.01	-32 lbs	-32 lbs
								11-12	0.04	290 lbs	-163 lbs
								13-14	0.03	181 lbs	-126 lbs
								15-18	0.01	115 lbs	-46 lbs
								17-20	0.03	216 lbs	-96 lbs
								10-19	0.06	503 lbs	-235 lbs
								14-16	0.04	229 lbs	-174 lbs

TRUSS TD07 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.52 (11 - 14)	TL(V): 0.03 in.	L / 664	(1-3)	L / 90
BC :	0.56 (21 - 12)	LL(V): 0.02 in.	L / 999	(1-3)	L / 90
Web :	0.30 (3 - 11)	DL(V): 0.01 in.	L / 999	(1-3)	L / 0
		Cant / OH TL: 0.02 in.	2L / 999	(1-3)	2L / 90
		Cant / OH LL: 0.02 in.	2L / 999	(1-3)	2L / 90
		Horiz TL: 0.01 in.		7	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(13-10)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 999	(13-10)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	740 lbs	0 lbs	0 lbs	0 lbs
12	Fixed		-90 lbs	720 lbs	0 lbs	-420 lbs	-90 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
5-4-3	15-3-0

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

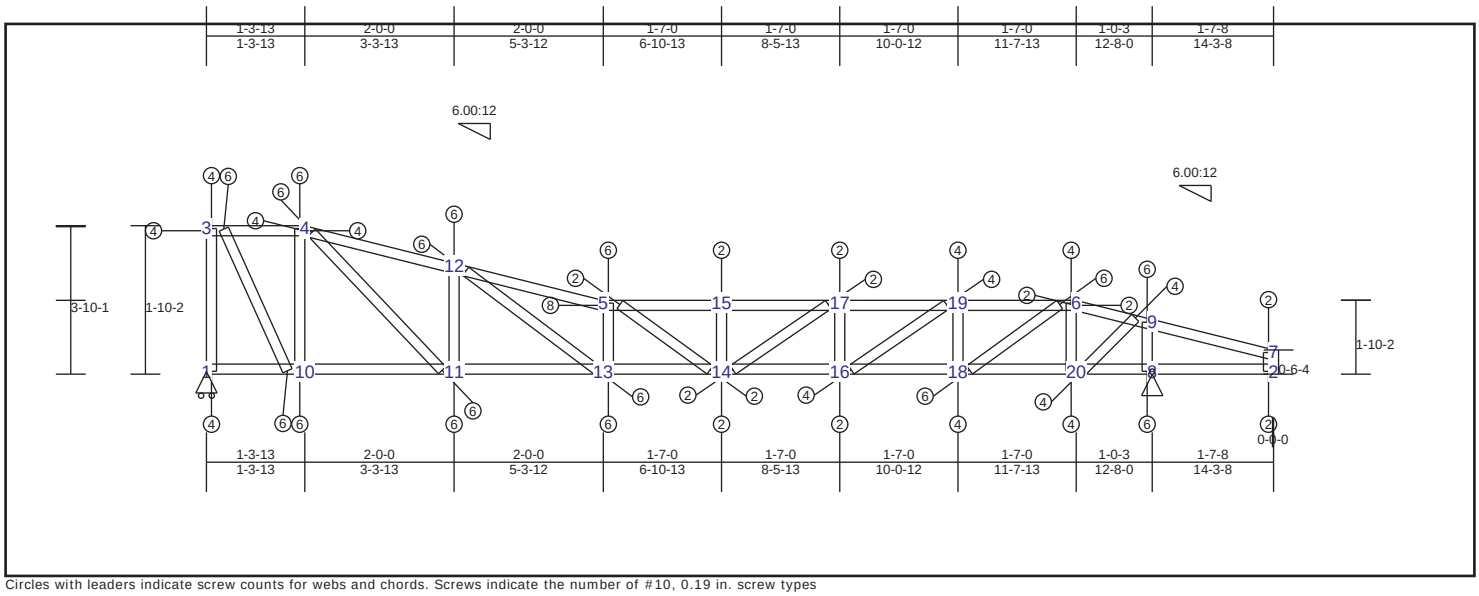
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
9-22	0.26	-536 lbs	-536 lbs	2-4	0.00	9 lbs	-6 lbs	1-7	0.01	34 lbs	-31 lbs
13-22	0.46	-529 lbs	-529 lbs	1-3	0.32	0 lbs	0 lbs	2-24	0.27	-663 lbs	-663 lbs
10-13	0.27	61 lbs	-9 lbs	5-15	0.20	351 lbs	-210 lbs	3-24	0.27	-663 lbs	-663 lbs
7-11	0.46	60 lbs	-14 lbs	15-17	0.20	393 lbs	-237 lbs	3-11	0.30	-663 lbs	-663 lbs
11-14	0.52	-351 lbs	-351 lbs	17-18	0.15	466 lbs	-308 lbs	4-23	0.08	-78 lbs	-78 lbs
14-16	0.27	-514 lbs	-514 lbs	18-20	0.15	466 lbs	-308 lbs	5-23	0.06	-78 lbs	-78 lbs
8-16	0.22	-514 lbs	-514 lbs	20-21	0.19	411 lbs	-295 lbs	5-14	0.11	-371 lbs	-371 lbs
8-19	0.29	-513 lbs	-513 lbs	12-21	0.56	371 lbs	-295 lbs	15-16	0.06	-303 lbs	-303 lbs
9-19	0.29	-513 lbs	-513 lbs	6-12	0.45	0 lbs	0 lbs	8-17	0.01	-52 lbs	-52 lbs
								18-19	0.06	-242 lbs	-242 lbs
								9-20	0.01	-35 lbs	-35 lbs
								21-22	0.06	-287 lbs	-287 lbs
								6-10	0.01	78 lbs	-20 lbs
								12-13	0.13	-677 lbs	-677 lbs
								5-11	0.04	320 lbs	-190 lbs
								23-24	0.00	8 lbs	-6 lbs
								2-23	0.02	-86 lbs	-86 lbs
								14-15	0.05	391 lbs	-231 lbs
								16-17	0.01	101 lbs	-59 lbs
								8-18	0.04	163 lbs	-160 lbs
								9-18	0.02	123 lbs	-88 lbs
								20-22	0.01	77 lbs	-2 lbs
								13-21	0.06	477 lbs	-259 lbs

TRUSS TD08 (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 :	0.61 (3 - 4)	TL(V): 0.05 in.	L / 999	(12-5)	L / 90
BC :	0.49 (10 - 11)	LL(V): 0.03 in.	L / 999	(12-5)	L / 90
Web :	0.18 (10 - 4)	DL(V): 0.02 in.	L / 999	5	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: 0.01 in.		3	
		Web :			
		Snow/Wind -0.05 in.	L / 708	(9-7)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 0	(9-7)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	610 lbs	0 lbs	-350 lbs	0 lbs
8	Pin		-260 lbs	760 lbs	0 lbs	-440 lbs	-260 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
3-10-1	14-3-8

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

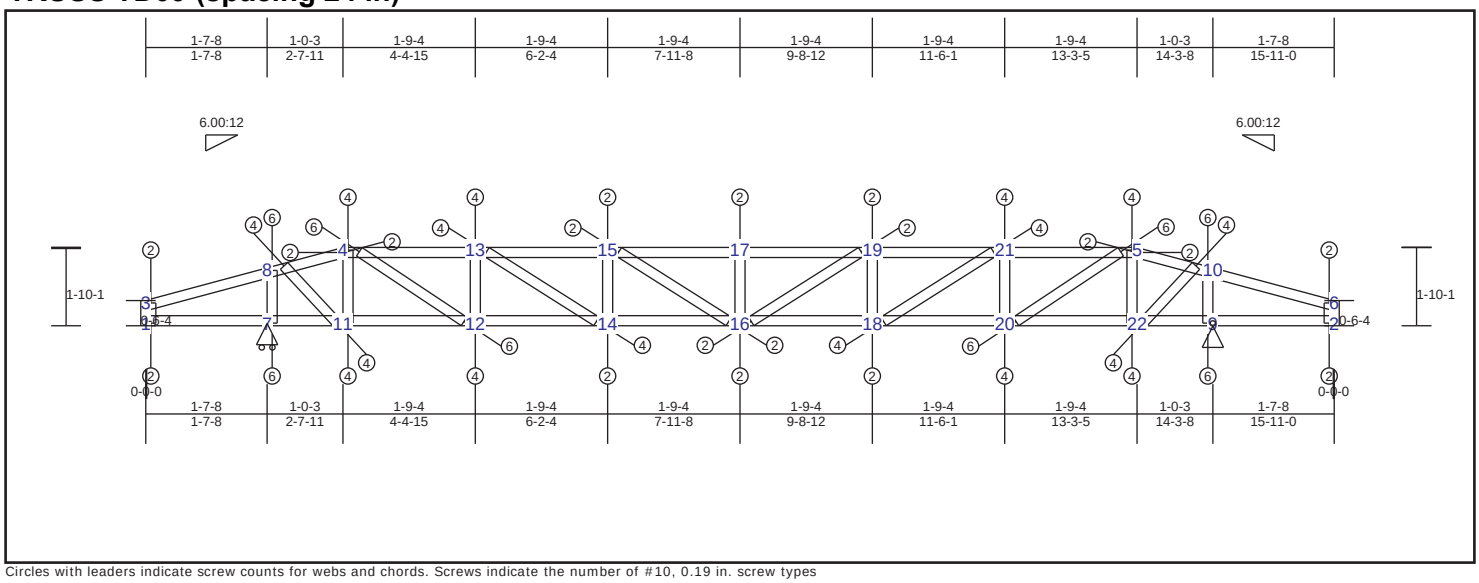
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-4	0.61	-164 lbs	-164 lbs	1-10	0.49	164 lbs	-98 lbs	1-3	0.16	-647 lbs	-647 lbs
4-12	0.44	-669 lbs	-669 lbs	10-11	0.49	548 lbs	-337 lbs	4-10	0.18	-733 lbs	-733 lbs
5-12	0.51	-1178 lbs	-1178 lbs	11-13	0.49	1054 lbs	-624 lbs	11-12	0.17	-775 lbs	-775 lbs
6-9	0.48	-276 lbs	-276 lbs	13-14	0.48	1083 lbs	-676 lbs	5-13	0.14	-729 lbs	-729 lbs
7-9	0.28	59 lbs	-8 lbs	14-16	0.23	1083 lbs	-676 lbs	14-15	0.02	-110 lbs	-110 lbs
5-15	0.40	-1049 lbs	-1049 lbs	16-18	0.37	960 lbs	-636 lbs	16-17	0.06	-322 lbs	-322 lbs
15-17	0.31	-1049 lbs	-1049 lbs	18-20	0.37	696 lbs	-516 lbs	18-19	0.11	-577 lbs	-577 lbs
17-19	0.37	-926 lbs	-926 lbs	8-20	0.46	-307 lbs	-307 lbs	6-20	0.10	-501 lbs	-501 lbs
6-19	0.56	-662 lbs	-662 lbs	2-8	0.37	0 lbs	0 lbs	8-9	0.14	-712 lbs	-712 lbs
								2-7	0.01	65 lbs	-18 lbs
								4-11	0.15	896 lbs	-558 lbs
								12-13	0.12	916 lbs	-519 lbs
								5-14	0.02	-90 lbs	-90 lbs
								14-17	0.03	209 lbs	-66 lbs
								16-19	0.05	448 lbs	-205 lbs
								6-18	0.09	736 lbs	-368 lbs
								3-10	0.11	747 lbs	-449 lbs
								9-20	0.06	495 lbs	-119 lbs

TRUSS TD09 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.54 (21 - 5)	TL(V): 0.03 in.	L / 999	(15-17)	L / 90
BC :	0.42 (7 - 11)	LL(V): 0.02 in.	L / 999	(15-17)	L / 90
Web :	0.14 (9 - 10)	DL(V): 0.01 in.	L / 999	(15-17)	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.		6	
		Web :			
		Snow/Wind -0.05 in.	L / 696	(3-8)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 0	(3-8)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	HRoll		0 lbs	760 lbs	0 lbs	-470 lbs	0 lbs
9	Pin		20 lbs	760 lbs	0 lbs	-520 lbs	20 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-10-1	15-11-0

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

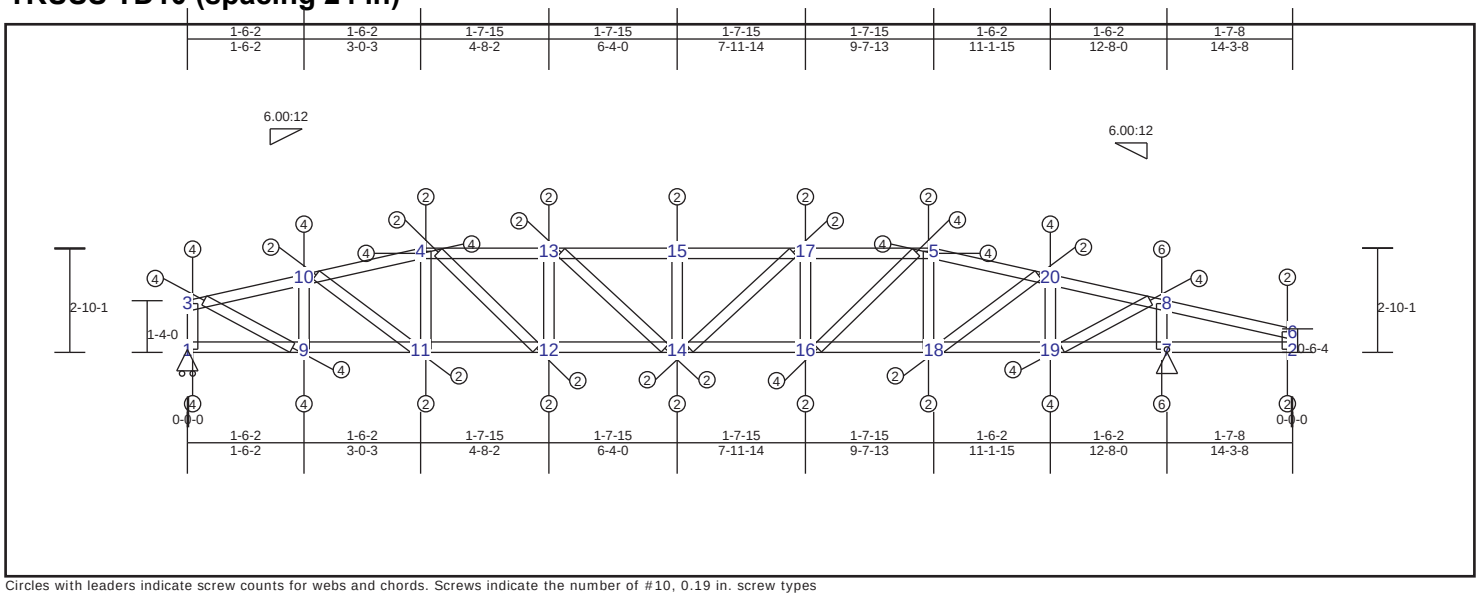
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
4-13	0.54	-702 lbs	-702 lbs	1-7	0.37	0 lbs	0 lbs	7-8	0.14	-711 lbs	-711 lbs
13-15	0.39	-965 lbs	-965 lbs	7-11	0.42	221 lbs	-66 lbs	4-11	0.10	-488 lbs	-488 lbs
15-17	0.29	-1052 lbs	-1052 lbs	11-12	0.35	680 lbs	-327 lbs	12-13	0.11	-540 lbs	-540 lbs
17-19	0.29	-1052 lbs	-1052 lbs	12-14	0.35	942 lbs	-475 lbs	14-15	0.05	-256 lbs	-256 lbs
19-21	0.39	-965 lbs	-965 lbs	14-16	0.14	1030 lbs	-520 lbs	16-17	0.03	-162 lbs	-162 lbs
5-21	0.54	-702 lbs	-702 lbs	16-18	0.14	1030 lbs	-520 lbs	18-19	0.05	-256 lbs	-256 lbs
5-10	0.48	-276 lbs	-276 lbs	18-20	0.35	942 lbs	-466 lbs	20-21	0.11	-540 lbs	-540 lbs
6-10	0.28	58 lbs	-8 lbs	20-22	0.35	680 lbs	-307 lbs	5-22	0.10	-488 lbs	-488 lbs
3-8	0.28	58 lbs	-8 lbs	9-22	0.39	221 lbs	-45 lbs	9-10	0.14	-711 lbs	-711 lbs
4-8	0.48	-276 lbs	-276 lbs	2-9	0.35	0 lbs	0 lbs	1-3	0.01	64 lbs	-18 lbs
								2-6	0.01	61 lbs	-18 lbs
								4-12	0.09	731 lbs	-416 lbs
								13-14	0.05	407 lbs	-230 lbs
								15-16	0.02	135 lbs	-70 lbs
								16-19	0.02	135 lbs	-84 lbs
								18-21	0.05	407 lbs	-245 lbs
								5-20	0.09	731 lbs	-431 lbs
								8-11	0.06	495 lbs	-147 lbs
								10-22	0.06	495 lbs	-80 lbs

TRUSS TD10 (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 :	0.57 (3 - 10)	TL(V): 0.01 in.	L / 999	(13-15)	L / 90
BC :	0.40 (19 - 7)	LL(V): 0.01 in.	L / 999	(13-15)	L / 90
Web :	0.14 (7 - 8)	DL(V): 0 in.	L / 999	3	L / 0
		Cant / OH TL: 0.01 in.	2L / 0	(8-6)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 0	(8-6)	2L / 90
		Horiz TL: -0.01 in.		6	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(8-6)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 0	(8-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	600 lbs	0 lbs	-330 lbs	0 lbs
7	Pin		-120 lbs	770 lbs	0 lbs	-480 lbs	-120 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-10-1	14-3-8

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

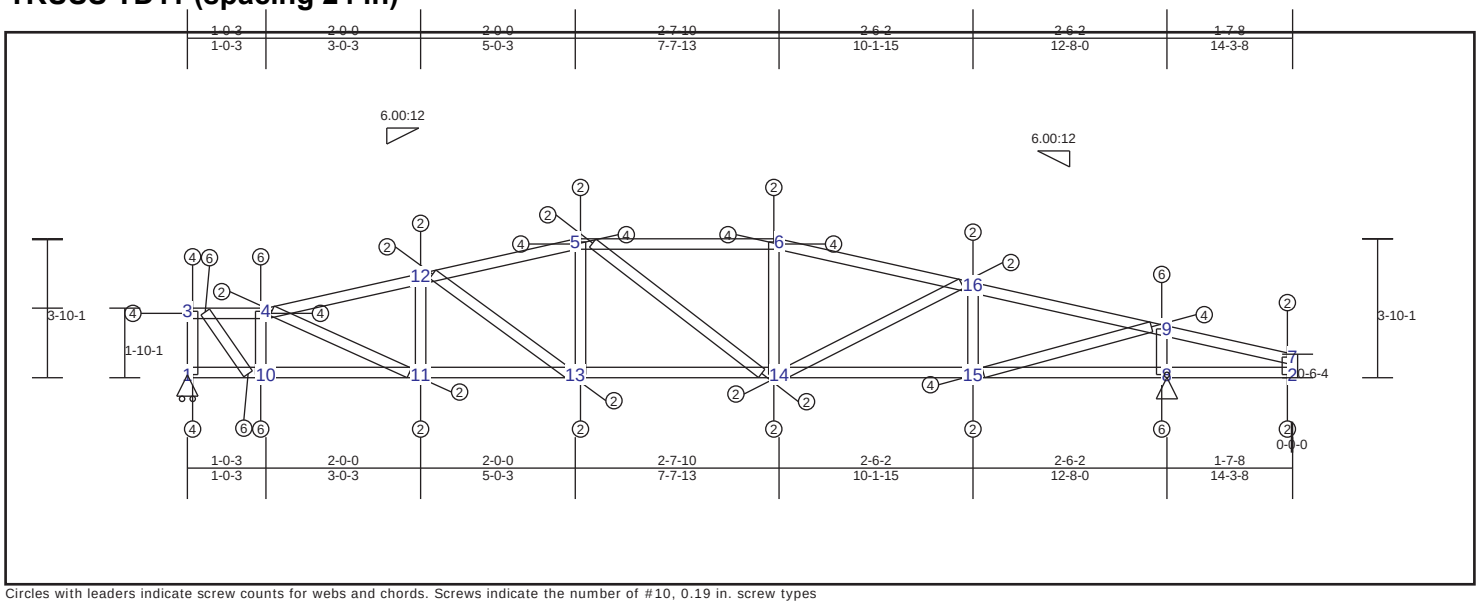
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-10	0.57	-585 lbs	-585 lbs	1-9	0.32	395 lbs	-207 lbs	1-3	0.12	-611 lbs	-611 lbs
4-10	0.30	-594 lbs	-594 lbs	9-11	0.32	491 lbs	-240 lbs	9-10	0.10	-479 lbs	-479 lbs
4-13	0.40	-656 lbs	-656 lbs	11-12	0.19	631 lbs	-312 lbs	4-11	0.02	-110 lbs	-110 lbs
13-15	0.28	-701 lbs	-701 lbs	12-14	0.14	676 lbs	-329 lbs	12-13	0.06	-297 lbs	-297 lbs
15-17	0.29	-701 lbs	-701 lbs	14-16	0.16	676 lbs	-329 lbs	14-15	0.03	-132 lbs	-132 lbs
5-17	0.41	-645 lbs	-645 lbs	16-18	0.20	620 lbs	-287 lbs	16-17	0.07	-323 lbs	-323 lbs
5-20	0.23	-560 lbs	-560 lbs	18-19	0.29	467 lbs	-187 lbs	5-18	0.04	-162 lbs	-162 lbs
8-20	0.49	-547 lbs	-547 lbs	7-19	0.40	344 lbs	-160 lbs	19-20	0.09	-435 lbs	-435 lbs
6-8	0.29	58 lbs	-7 lbs	2-7	0.35	0 lbs	0 lbs	7-8	0.14	-717 lbs	-717 lbs
								2-6	0.01	61 lbs	-16 lbs
								3-9	0.08	616 lbs	-324 lbs
								10-11	0.02	188 lbs	-64 lbs
								4-12	0.04	335 lbs	-173 lbs
								13-14	0.01	103 lbs	-52 lbs
								14-17	0.02	129 lbs	-95 lbs
								5-16	0.05	366 lbs	-240 lbs
								18-20	0.03	240 lbs	-147 lbs
								8-19	0.06	515 lbs	-95 lbs

TRUSS TD11 (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 :	0.66 (3 - 4)	TL(V): 0.02 in.	L / 999	(5-6)	L / 90
BC :	0.54 (1 - 10)	LL(V): 0.02 in.	L / 999	(5-6)	L / 90
Web :	0.16 (10 - 4)	DL(V): 0 in.	L / 999	3	L / 0
		Cant / OH TL: 0.01 in.	2L / 999	(9-7)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 999	(9-7)	2L / 90
		Horiz TL: -0.01 in.		7	
		Web :			
		Snow/Wind -0.07 in.	L / 999	(9-7)	L / 90
		Cant (Snow/Wind) -0.07 in.	L / 581	(9-7)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	600 lbs	0 lbs	-310 lbs	0 lbs
8	Pin		-170 lbs	780 lbs	0 lbs	-440 lbs	-170 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
3-10-1	14-3-8

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

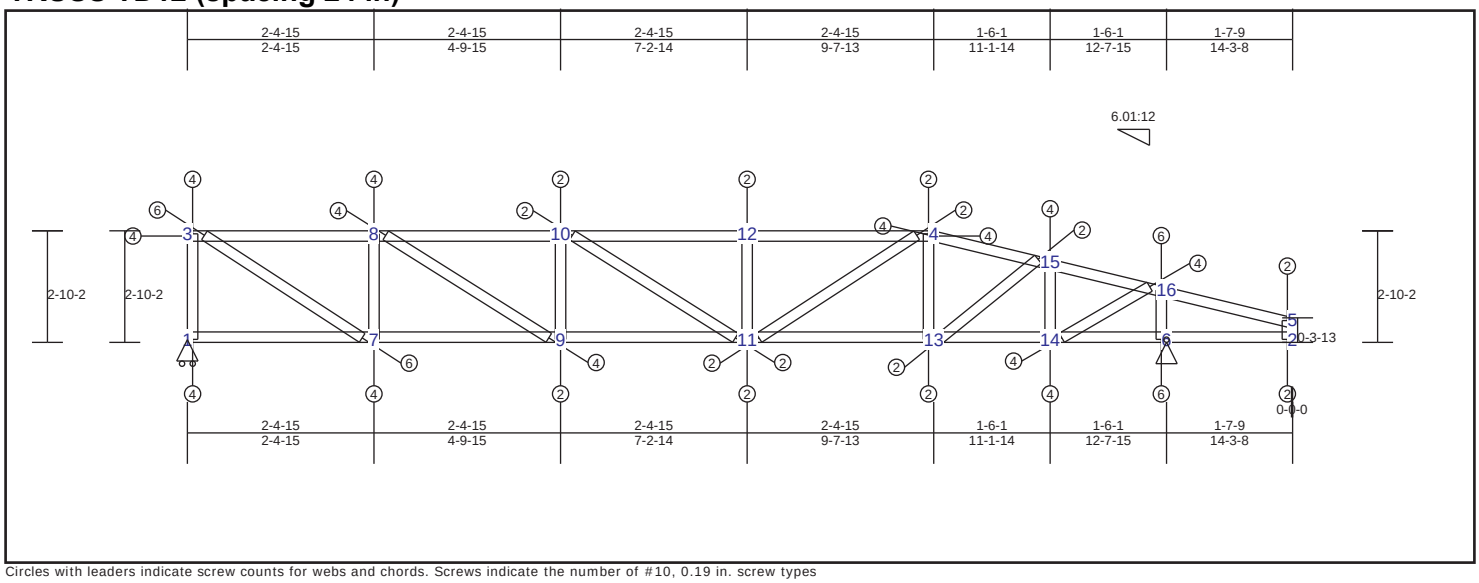
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-4	0.66	-277 lbs	-277 lbs	1-10	0.54	277 lbs	-139 lbs	1-3	0.14	-698 lbs	-698 lbs
4-12	0.32	-607 lbs	-607 lbs	10-11	0.18	511 lbs	-242 lbs	4-10	0.16	-817 lbs	-817 lbs
5-12	0.28	-607 lbs	-607 lbs	11-13	0.10	511 lbs	-242 lbs	11-12	0.04	-164 lbs	-164 lbs
5-6	0.42	-508 lbs	-508 lbs	13-14	0.11	473 lbs	-198 lbs	5-13	0.02	92 lbs	-72 lbs
6-16	0.34	-598 lbs	-598 lbs	14-15	0.17	469 lbs	-261 lbs	6-14	0.01	59 lbs	-22 lbs
9-16	0.52	-598 lbs	-598 lbs	8-15	0.39	469 lbs	-261 lbs	15-16	0.05	-258 lbs	-258 lbs
7-9	0.33	60 lbs	-5 lbs	2-8	0.33	0 lbs	0 lbs	8-9	0.14	-725 lbs	-725 lbs
								2-7	0.01	59 lbs	-10 lbs
								4-11	0.04	333 lbs	-147 lbs
								12-13	0.02	103 lbs	-71 lbs
								14-16	0.01	100 lbs	-26 lbs
								9-15	0.06	522 lbs	-123 lbs
								3-10	0.11	932 lbs	-468 lbs
								5-14	0.02	58 lbs	-55 lbs

TRUSS TD12 (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 (3 - 8)	TL(V): 0.02 in.	L / 999	(12-4)	L / 90
BC :	0.43 (14 - 6)	LL(V): 0.02 in.	L / 999	(12-4)	L / 90
Web :	0.14 (6 - 16)	DL(V): 0 in.	L / 999	3	L / 0
		Cant / OH TL: 0.01 in.	2L / 0	(16-5)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 0	(16-5)	2L / 90
		Horiz TL: -0.01 in.		5	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(16-5)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 0	(16-5)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	600 lbs	0 lbs	-350 lbs	0 lbs
6	Pin		-190 lbs	770 lbs	0 lbs	-460 lbs	-190 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-10-2	14-3-8

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

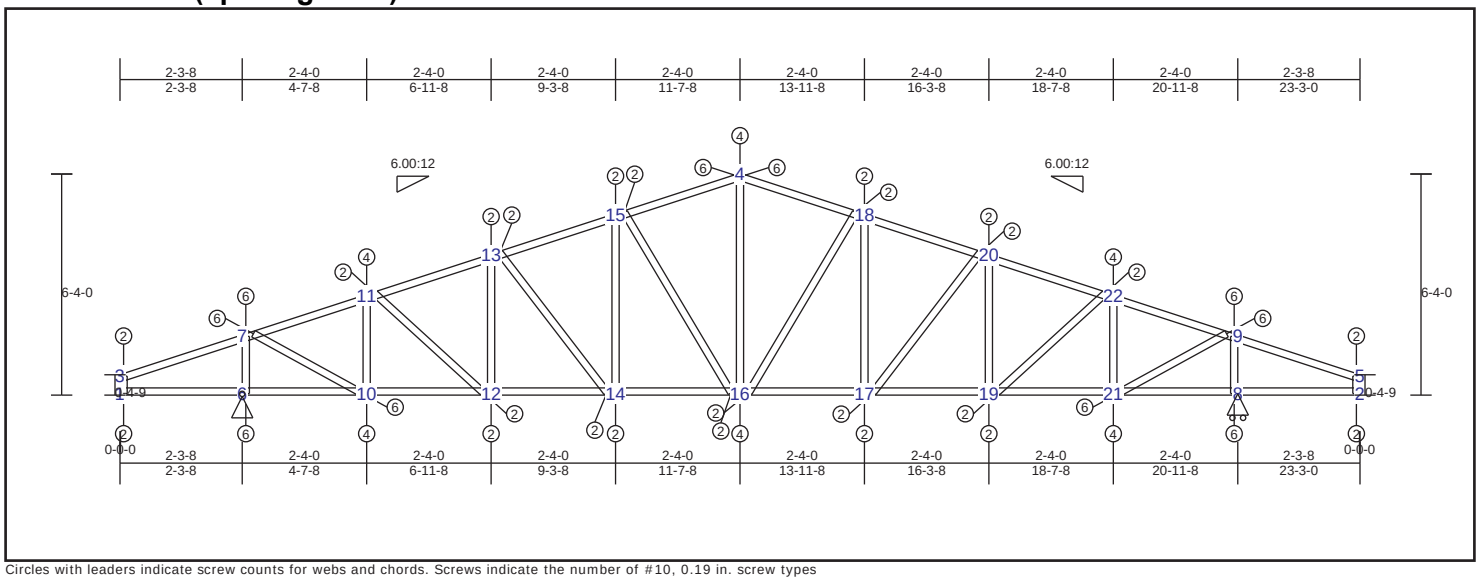
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-8	0.55	-433 lbs	-433 lbs	1-7	0.39	433 lbs	-250 lbs	1-3	0.13	-602 lbs	-602 lbs
8-10	0.46	-660 lbs	-660 lbs	7-9	0.39	660 lbs	-381 lbs	7-8	0.12	-578 lbs	-578 lbs
10-12	0.37	-683 lbs	-683 lbs	9-11	0.16	683 lbs	-393 lbs	9-10	0.05	-220 lbs	-220 lbs
4-12	0.43	-683 lbs	-683 lbs	11-13	0.18	683 lbs	-393 lbs	11-12	0.06	-259 lbs	-259 lbs
4-15	0.23	-553 lbs	-553 lbs	13-14	0.29	486 lbs	-275 lbs	4-13	0.03	-150 lbs	-150 lbs
15-16	0.49	-541 lbs	-541 lbs	6-14	0.43	363 lbs	-219 lbs	14-15	0.09	-432 lbs	-432 lbs
5-16	0.29	59 lbs	-7 lbs	2-6	0.35	0 lbs	0 lbs	2-5	0.01	62 lbs	-16 lbs
								6-16	0.14	-712 lbs	-712 lbs
								3-7	0.10	726 lbs	-419 lbs
								8-9	0.05	373 lbs	-215 lbs
								10-11	0.01	-46 lbs	-46 lbs
								4-11	0.05	330 lbs	-198 lbs
								13-15	0.03	240 lbs	-136 lbs
								14-16	0.06	507 lbs	-85 lbs

TRUSS TE01 (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 (7 - 11)	TL(V): 0.09 in.	L / 999	(3-7)	L / 90
BC :	0.78 (21 - 8)	LL(V): 0.06 in.	L / 999	(3-7)	L / 90
Web :	0.20 (6 - 7)	DL(V): 0.03 in.	L / 999	(3-7)	L / 0
		Cant / OH TL: 0.06 in.	2L / 978	(3-7)	2L / 90
		Cant / OH LL: 0.06 in.	2L / 978	(3-7)	2L / 90
		Horiz TL: 0.03 in.		3	
		Web :			
		Snow/Wind -0.23 in.	L / 669	(3-7)	L / 90
		Cant (Snow/Wind) -0.23 in.	L / 237	(3-7)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
6	Pin		-80 lbs	1130 lbs	0 lbs	-620 lbs	-80 lbs
8	HRoll		0 lbs	1130 lbs	0 lbs	-620 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-3-10	23-3-0

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

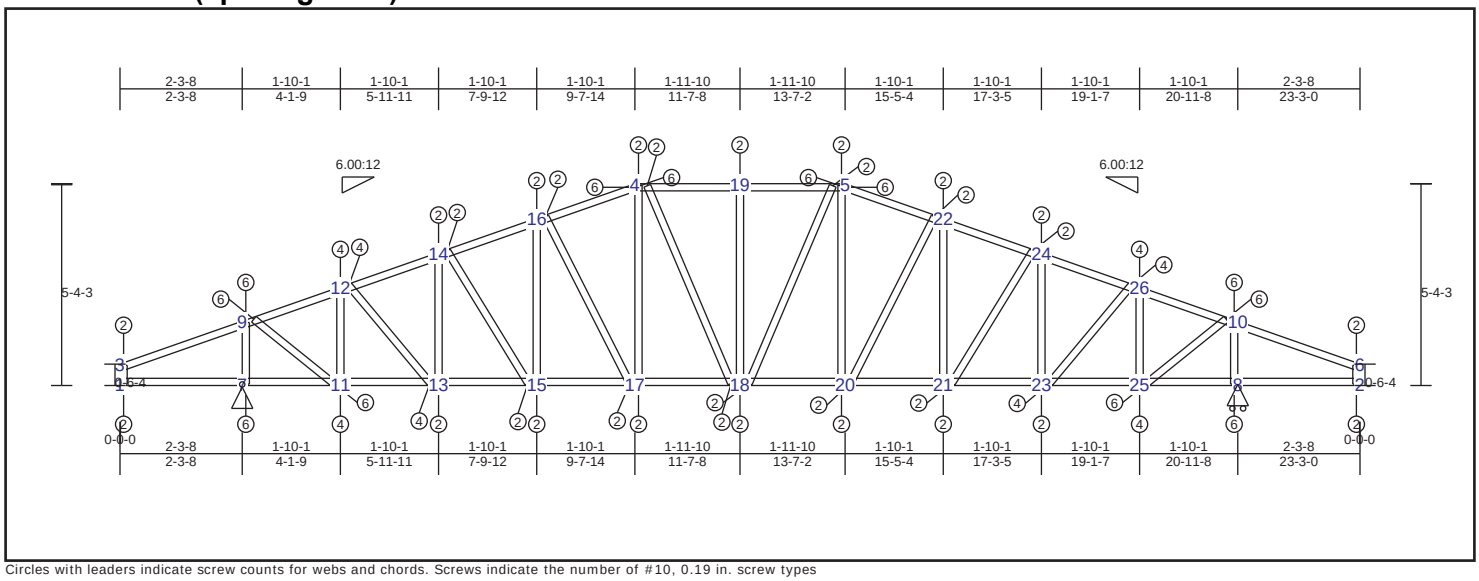
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.55	81 lbs	-12 lbs	1-6	0.70	0 lbs	0 lbs	6-7	0.20	-1025 lbs	-1025 lbs
7-11	0.86	-851 lbs	-851 lbs	6-10	0.78	558 lbs	-210 lbs	10-11	0.11	-518 lbs	-518 lbs
11-13	0.36	-901 lbs	-901 lbs	10-12	0.37	728 lbs	-252 lbs	12-13	0.04	-170 lbs	-170 lbs
13-15	0.35	-901 lbs	-901 lbs	12-14	0.13	728 lbs	-252 lbs	14-15	0.04	-124 lbs	-124 lbs
4-15	0.36	-809 lbs	-809 lbs	14-16	0.28	698 lbs	-187 lbs	4-16	0.14	548 lbs	-334 lbs
4-18	0.36	-809 lbs	-809 lbs	16-17	0.28	698 lbs	-147 lbs	17-18	0.04	-124 lbs	-124 lbs
18-20	0.35	-901 lbs	-901 lbs	17-19	0.13	728 lbs	-182 lbs	19-20	0.04	-170 lbs	-170 lbs
20-22	0.36	-901 lbs	-901 lbs	19-21	0.37	728 lbs	-182 lbs	21-22	0.11	-518 lbs	-518 lbs
9-22	0.86	-851 lbs	-851 lbs	8-21	0.78	558 lbs	-138 lbs	8-9	0.20	-1025 lbs	-1025 lbs
5-9	0.55	81 lbs	-12 lbs	2-8	0.70	0 lbs	0 lbs	2-5	0.01	87 lbs	-26 lbs
								1-3	0.01	87 lbs	-26 lbs
								7-10	0.09	730 lbs	-180 lbs
								11-12	0.04	293 lbs	-167 lbs
								13-14	0.02	153 lbs	-80 lbs
								15-16	0.10	290 lbs	-283 lbs
								16-18	0.10	290 lbs	-283 lbs
								17-20	0.02	153 lbs	-80 lbs
								19-22	0.04	293 lbs	-167 lbs
								9-21	0.09	730 lbs	-180 lbs

TRUSS TE02 (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 (9 - 12)	TL(V): 0.08 in.	L / 999	(3-9)	L / 90
BC :	0.80 (25 - 8)	LL(V): 0.05 in.	L / 999	(3-9)	L / 90
Web :	0.20 (7 - 9)	DL(V): 0.03 in.	L / 999	(3-9)	L / 0
		Cant / OH TL: 0.05 in.	2L / 999	(3-9)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 999	(3-9)	2L / 90
		Horiz TL: 0.03 in.		3	
		Web :			
		Snow/Wind -0.21 in.	L / 605	(10-6)	L / 90
		Cant (Snow/Wind) -0.21 in.	L / 258	(10-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	Pin		-60 lbs	1120 lbs	0 lbs	-640 lbs	-60 lbs
8	HRoll		0 lbs	1120 lbs	0 lbs	-640 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
5-4-3	23-3-0

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

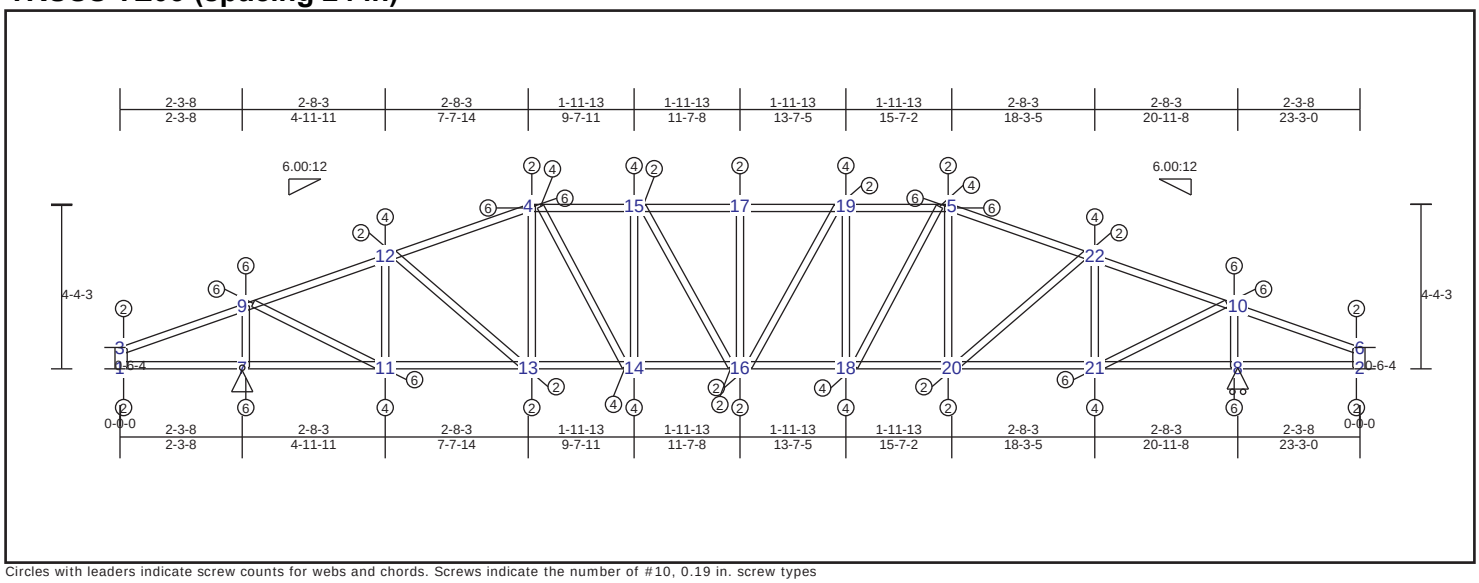
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-9	0.53	80 lbs	-13 lbs	1-7	0.70	0 lbs	0 lbs	7-9	0.20	-1015 lbs	-1015 lbs
9-12	0.83	-798 lbs	-798 lbs	7-11	0.79	468 lbs	-137 lbs	11-12	0.13	-622 lbs	-622 lbs
12-14	0.35	-908 lbs	-908 lbs	11-13	0.44	688 lbs	-209 lbs	13-14	0.07	-307 lbs	-307 lbs
14-16	0.32	-908 lbs	-908 lbs	13-15	0.18	722 lbs	-209 lbs	15-16	0.02	-77 lbs	-77 lbs
4-16	0.26	-874 lbs	-874 lbs	15-17	0.13	722 lbs	-186 lbs	4-17	0.06	-176 lbs	-176 lbs
4-19	0.35	-797 lbs	-797 lbs	17-18	0.17	715 lbs	-156 lbs	18-19	0.08	-248 lbs	-248 lbs
5-19	0.35	-797 lbs	-797 lbs	18-20	0.17	715 lbs	-156 lbs	5-20	0.05	-161 lbs	-161 lbs
5-22	0.26	-874 lbs	-874 lbs	20-21	0.13	722 lbs	-192 lbs	21-22	0.02	-65 lbs	-65 lbs
22-24	0.32	-908 lbs	-908 lbs	21-23	0.18	722 lbs	-209 lbs	23-24	0.07	-307 lbs	-307 lbs
24-26	0.35	-908 lbs	-908 lbs	23-25	0.44	688 lbs	-209 lbs	25-26	0.13	-622 lbs	-622 lbs
10-26	0.83	-798 lbs	-798 lbs	8-25	0.80	468 lbs	-122 lbs	8-10	0.20	-1015 lbs	-1015 lbs
6-10	0.53	81 lbs	-13 lbs	2-8	0.71	0 lbs	0 lbs	2-6	0.01	88 lbs	-28 lbs
								1-3	0.01	87 lbs	-28 lbs
								9-11	0.09	713 lbs	-151 lbs
								12-13	0.05	436 lbs	-241 lbs
								14-15	0.01	114 lbs	-53 lbs
								16-17	0.04	197 lbs	-129 lbs
								4-18	0.05	-155 lbs	-155 lbs
								5-18	0.04	127 lbs	-118 lbs
								20-22	0.04	176 lbs	-129 lbs
								21-24	0.01	101 lbs	-27 lbs
								23-26	0.05	436 lbs	-206 lbs
								10-25	0.09	713 lbs	-186 lbs

TRUSS TE03 (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 :	0.87 (22 - 10)	TL(V): 0.09 in.	L / 999	(3-9)	L / 90
BC :	0.79 (7 - 11)	LL(V): 0.06 in.	L / 999	(3-9)	L / 90
Web :	0.20 (8 - 10)	DL(V): 0.03 in.	L / 999	(3-9)	L / 0
		Cant / OH TL: 0.06 in.	2L / 945	(3-9)	2L / 90
		Cant / OH LL: 0.06 in.	2L / 945	(3-9)	2L / 90
		Horiz TL: 0.03 in.		3	
		Web :			
		Snow/Wind -0.25 in.	L / 408	(3-9)	L / 90
		Cant (Snow/Wind) -0.25 in.	L / 220	(3-9)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	Pin		-30 lbs	1120 lbs	0 lbs	-660 lbs	-30 lbs
8	HRoll		0 lbs	1120 lbs	0 lbs	-670 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
4-4-3	23-3-0

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

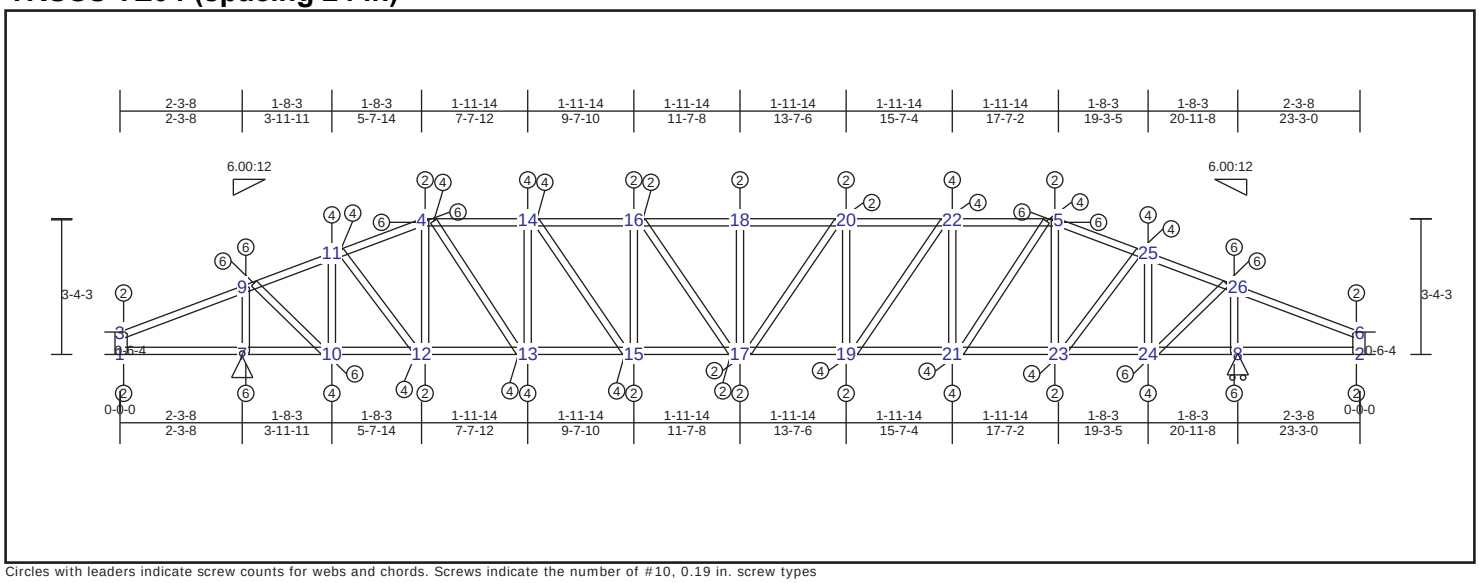
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-9	0.56	82 lbs	-11 lbs	1-7	0.70	0 lbs	0 lbs	7-9	0.20	-1025 lbs	-1025 lbs
9-12	0.87	-873 lbs	-873 lbs	7-11	0.79	607 lbs	-233 lbs	11-12	0.10	-455 lbs	-455 lbs
4-12	0.44	-906 lbs	-906 lbs	11-13	0.33	719 lbs	-254 lbs	4-13	0.02	-92 lbs	-92 lbs
4-15	0.52	-919 lbs	-919 lbs	13-14	0.23	854 lbs	-317 lbs	14-15	0.10	-357 lbs	-357 lbs
15-17	0.40	-964 lbs	-964 lbs	14-16	0.17	900 lbs	-327 lbs	16-17	0.04	-155 lbs	-155 lbs
17-19	0.40	-964 lbs	-964 lbs	16-18	0.19	900 lbs	-327 lbs	18-19	0.10	-357 lbs	-357 lbs
5-19	0.52	-919 lbs	-919 lbs	18-20	0.23	854 lbs	-285 lbs	5-20	0.02	115 lbs	-92 lbs
5-22	0.44	-906 lbs	-906 lbs	20-21	0.33	719 lbs	-191 lbs	21-22	0.10	-455 lbs	-455 lbs
10-22	0.87	-873 lbs	-873 lbs	8-21	0.77	607 lbs	-129 lbs	8-10	0.20	-1025 lbs	-1025 lbs
6-10	0.56	81 lbs	-11 lbs	2-8	0.69	0 lbs	0 lbs	2-6	0.01	85 lbs	-25 lbs
								1-3	0.01	87 lbs	-25 lbs
								9-11	0.09	745 lbs	-251 lbs
								12-13	0.02	177 lbs	-84 lbs
								4-14	0.05	387 lbs	-182 lbs
								15-16	0.02	126 lbs	-83 lbs
								16-19	0.03	126 lbs	-116 lbs
								5-18	0.08	387 lbs	-275 lbs
								20-22	0.04	177 lbs	-139 lbs
								10-21	0.09	745 lbs	-158 lbs

TRUSS TE04 (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 (9 - 11)	TL(V): 0.08 in.	L / 942	(3-9)	L / 90
BC :	0.81 (24 - 8)	LL(V): 0.05 in.	L / 999	(3-9)	L / 90
Web :	0.20 (7 - 9)	DL(V): 0.03 in.	L / 999	(3-9)	L / 0
		Cant / OH TL: 0.05 in.	2L / 999	(3-9)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 999	(3-9)	2L / 90
		Horiz TL: 0.03 in.		3	
		Web :			
		Snow/Wind -0.21 in.	L / 362	(26-6)	L / 90
		Cant (Snow/Wind) -0.21 in.	L / 0	(26-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	Pin		0 lbs	1120 lbs	0 lbs	-710 lbs	0 lbs
8	HRoll		0 lbs	1120 lbs	0 lbs	-680 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
3-4-3	23-3-0

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

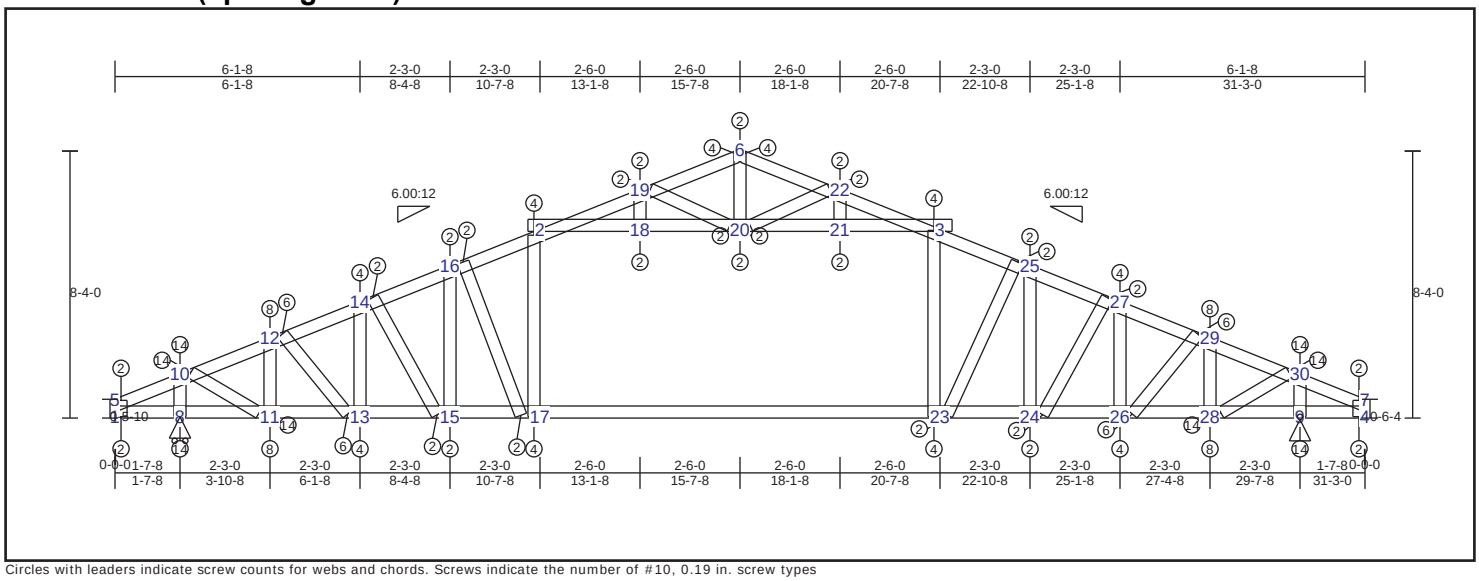
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-9	0.52	80 lbs	-13 lbs	1-7	0.69	0 lbs	0 lbs	1-3	0.01	86 lbs	-29 lbs
9-11	0.82	-775 lbs	-775 lbs	7-10	0.78	435 lbs	-71 lbs	10-11	0.14	-658 lbs	-658 lbs
4-11	0.36	-792 lbs	-792 lbs	10-12	0.45	657 lbs	-182 lbs	4-12	0.08	-336 lbs	-336 lbs
4-14	0.70	-1004 lbs	-1004 lbs	12-13	0.41	956 lbs	-369 lbs	13-14	0.14	-606 lbs	-606 lbs
14-16	0.51	-1183 lbs	-1183 lbs	13-15	0.41	1135 lbs	-483 lbs	15-16	0.07	-284 lbs	-284 lbs
16-18	0.36	-1241 lbs	-1241 lbs	15-17	0.16	1193 lbs	-526 lbs	17-18	0.04	-181 lbs	-181 lbs
18-20	0.36	-1241 lbs	-1241 lbs	17-19	0.16	1193 lbs	-526 lbs	19-20	0.07	-284 lbs	-284 lbs
20-22	0.51	-1183 lbs	-1183 lbs	19-21	0.41	1135 lbs	-503 lbs	21-22	0.14	-606 lbs	-606 lbs
5-22	0.70	-1004 lbs	-1004 lbs	21-23	0.41	956 lbs	-410 lbs	5-23	0.08	-336 lbs	-336 lbs
5-25	0.36	-792 lbs	-792 lbs	23-24	0.45	657 lbs	-245 lbs	24-25	0.14	-658 lbs	-658 lbs
25-26	0.82	-775 lbs	-775 lbs	8-24	0.81	435 lbs	-139 lbs	2-6	0.01	89 lbs	-29 lbs
6-26	0.52	80 lbs	-13 lbs	2-8	0.72	0 lbs	0 lbs	8-26	0.20	-1008 lbs	-1008 lbs
								7-9	0.20	-1008 lbs	-1008 lbs
								9-10	0.09	713 lbs	-119 lbs
								11-12	0.06	450 lbs	-283 lbs
								4-13	0.10	681 lbs	-424 lbs
								14-15	0.06	392 lbs	-250 lbs
								16-17	0.02	127 lbs	-96 lbs
								17-20	0.02	127 lbs	-61 lbs
								19-22	0.05	392 lbs	-205 lbs
								5-21	0.09	681 lbs	-375 lbs
								23-25	0.06	450 lbs	-215 lbs
								24-26	0.09	713 lbs	-228 lbs

TRUSS TG01 (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 :	0.93 (10 - 12)	TL(V): 0.38 in.	L / 981	(15-17)	L / 90
BC :	0.87 (28 - 9)	LL(V): 0.03 in.	L / 999	(15-17)	L / 90
Web :	0.75 (8 - 10)	DL(V): 0.35 in.	L / 999	(17-23)	L / 0
		Cant / OH TL: 0.03 in.	2L / 946	(15-17)	2L / 90
		Cant / OH LL: 0.03 in.	2L / 946	(15-17)	2L / 90
		Horiz TL: -0.02 in.		5	
		Web :			
		Snow/Wind -0.09 in.	L / 999	(16-2)	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 213	(16-2)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
8	HRoll		0 lbs	4760 lbs	0 lbs	0 lbs	0 lbs
9	Pin		-210 lbs	4760 lbs	0 lbs	0 lbs	-210 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (96 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-3-3	31-3-0

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 = 46.00 psf; BC Live = 0.00 psf; BC Dead = 35.00 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

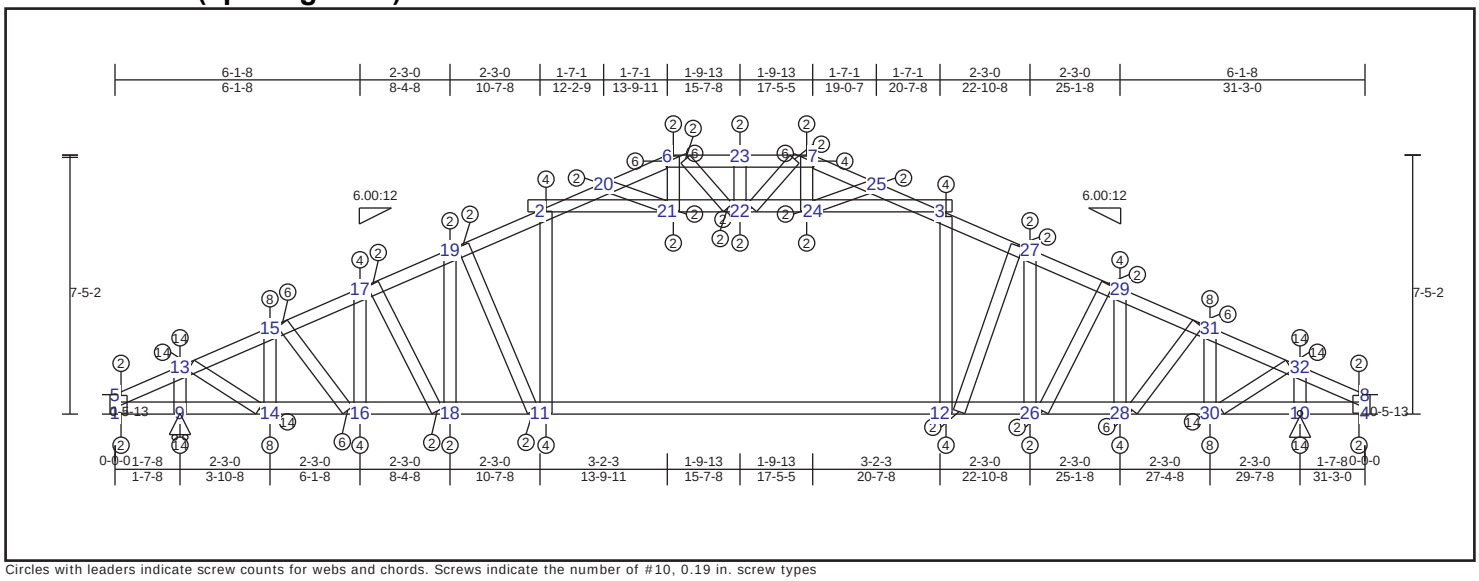
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
5-10	0.85	-2028 lbs	-2028 lbs	2-18	0.87	-3388 lbs	-3388 lbs	1-5	0.01	212 lbs	-15 lbs
10-12	0.93	-5401 lbs	-5401 lbs	18-20	0.87	-3916 lbs	-3916 lbs	8-10	0.75	-5041 lbs	-5041 lbs
12-14	0.61	-5800 lbs	-5800 lbs	20-21	0.87	-3916 lbs	-3916 lbs	11-12	0.49	-2866 lbs	-2866 lbs
14-16	0.55	-5800 lbs	-5800 lbs	3-21	0.87	-3312 lbs	-3312 lbs	13-14	0.29	-879 lbs	-879 lbs
2-16	0.72	-5794 lbs	-5794 lbs	1-8	0.13	0 lbs	0 lbs	15-16	0.35	-635 lbs	-635 lbs
2-19	0.67	-5092 lbs	-5092 lbs	8-11	0.87	4029 lbs	-443 lbs	2-17	0.06	1254 lbs	-234 lbs
6-19	0.22	-1720 lbs	-1720 lbs	11-13	0.57	4928 lbs	-519 lbs	18-19	0.01	239 lbs	-49 lbs
6-22	0.23	-1772 lbs	-1772 lbs	13-15	0.33	5054 lbs	-519 lbs	6-20	0.04	809 lbs	-103 lbs
3-22	0.66	-5742 lbs	-5742 lbs	15-17	0.34	5054 lbs	-502 lbs	21-22	0.01	291 lbs	-58 lbs
3-25	0.63	-5742 lbs	-5742 lbs	17-23	0.87	4903 lbs	-502 lbs	3-23	0.06	1168 lbs	-216 lbs
25-27	0.55	-5798 lbs	-5798 lbs	23-24	0.32	5050 lbs	-622 lbs	24-25	0.30	-552 lbs	-552 lbs
27-29	0.61	-5798 lbs	-5798 lbs	24-26	0.33	5050 lbs	-643 lbs	26-27	0.29	-872 lbs	-872 lbs
29-30	0.93	-5401 lbs	-5401 lbs	26-28	0.57	4928 lbs	-643 lbs	28-29	0.49	-2867 lbs	-2867 lbs
7-30	0.85	-2028 lbs	-2028 lbs	9-28	0.87	4029 lbs	-567 lbs	9-30	0.75	-5041 lbs	-5041 lbs
				4-9	0.14	207 lbs	-207 lbs	4-7	0.01	212 lbs	-15 lbs
								10-11	0.25	5008 lbs	-551 lbs
								12-13	0.08	1644 lbs	-158 lbs
								14-15	0.02	409 lbs	-18 lbs
								16-17	0.33	-520 lbs	-520 lbs
								19-20	0.10	-609 lbs	-609 lbs
								20-22	0.12	-697 lbs	-697 lbs
								23-25	0.28	-425 lbs	-425 lbs
								24-27	0.02	378 lbs	-17 lbs
								26-29	0.08	1645 lbs	-157 lbs
								28-30	0.25	5008 lbs	-550 lbs

TRUSS TG02 (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 :	0.92 (31 - 32)	TL(V): 0.38 in.	L / 985	12	L / 90
BC :	0.57 (11 - 12)	LL(V): 0.03 in.	L / 999	12	L / 90
Web :	0.74 (10 - 32)	DL(V): 0.35 in.	L / 999	(11-12)	L / 0
		Cant / OH TL: 0.03 in.	2L / 946	12	2L / 90
		Cant / OH LL: 0.03 in.	2L / 946	12	2L / 90
		Horiz TL: -0.02 in.		5	
		Web :			
		Snow/Wind -0.09 in.	L / 999	12	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 316	12	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
9	HRoll		0 lbs	4740 lbs	0 lbs	0 lbs	0 lbs
10	Pin		-180 lbs	4740 lbs	0 lbs	0 lbs	-180 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (96 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-5-2	31-3-0

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 = 46.00 psf; BC Live = 0.00 psf; BC Dead = 35.00 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

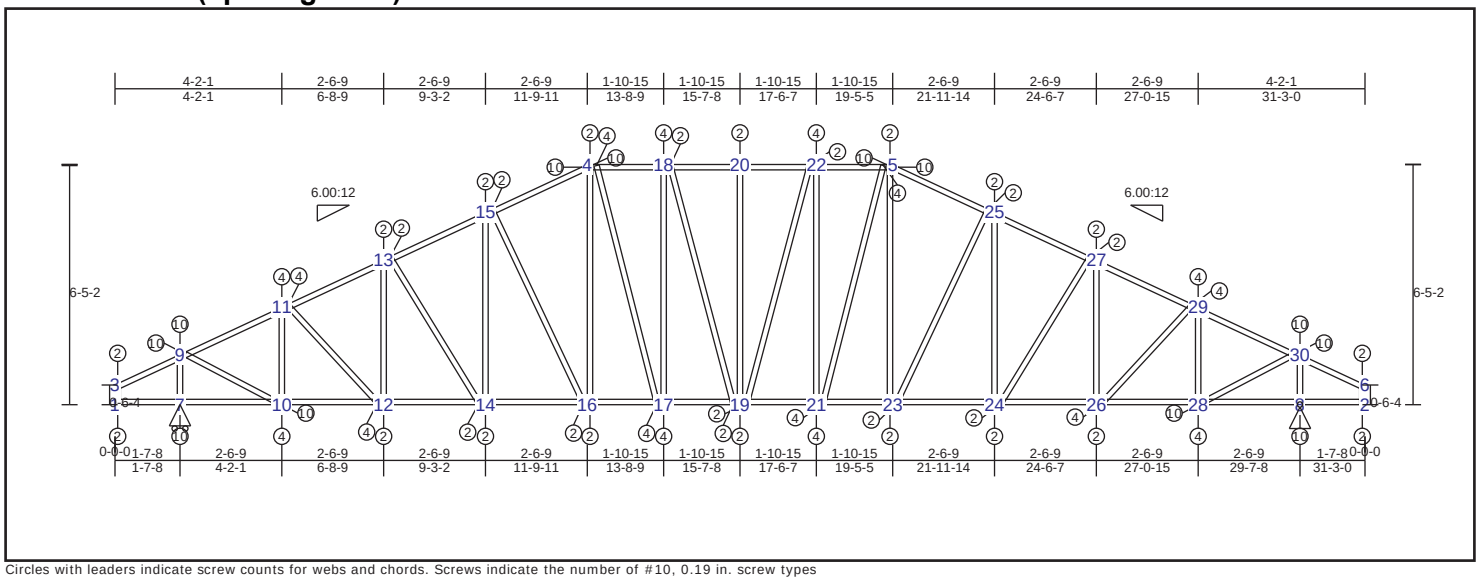
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
5-13	0.84	-2017 lbs	-2017 lbs	2-21	0.57	-3503 lbs	-3503 lbs	1-5	0.01	210 lbs	-15 lbs
13-15	0.92	-5368 lbs	-5368 lbs	21-22	0.57	-3503 lbs	-3503 lbs	9-13	0.74	-5014 lbs	-5014 lbs
15-17	0.61	-5758 lbs	-5758 lbs	22-24	0.57	-3550 lbs	-3550 lbs	14-15	0.48	-2849 lbs	-2849 lbs
17-19	0.54	-5758 lbs	-5758 lbs	3-24	0.57	-3550 lbs	-3550 lbs	16-17	0.28	-862 lbs	-862 lbs
2-19	0.63	-5700 lbs	-5700 lbs	1-9	0.12	0 lbs	0 lbs	18-19	0.30	-544 lbs	-544 lbs
2-20	0.58	-5700 lbs	-5700 lbs	9-14	0.57	4004 lbs	-432 lbs	2-11	0.06	1177 lbs	-218 lbs
6-20	0.22	-2120 lbs	-2120 lbs	14-16	0.57	4896 lbs	-509 lbs	6-21	0.02	446 lbs	-119 lbs
6-23	0.20	-1662 lbs	-1662 lbs	16-18	0.33	5014 lbs	-509 lbs	22-23	0.09	-575 lbs	-575 lbs
7-23	0.21	-1662 lbs	-1662 lbs	11-18	0.32	5014 lbs	-523 lbs	7-24	0.02	371 lbs	-106 lbs
7-25	0.21	-2012 lbs	-2012 lbs	11-12	0.57	4864 lbs	-523 lbs	3-12	0.06	1264 lbs	-228 lbs
3-25	0.59	-5047 lbs	-5047 lbs	12-26	0.34	5018 lbs	-631 lbs	26-27	0.33	-606 lbs	-606 lbs
3-27	0.73	-5753 lbs	-5753 lbs	26-28	0.33	5018 lbs	-652 lbs	28-29	0.28	-868 lbs	-868 lbs
27-29	0.54	-5761 lbs	-5761 lbs	28-30	0.57	4896 lbs	-652 lbs	30-31	0.48	-2848 lbs	-2848 lbs
29-31	0.61	-5761 lbs	-5761 lbs	10-30	0.57	4004 lbs	-571 lbs	10-32	0.74	-5014 lbs	-5014 lbs
31-32	0.92	-5367 lbs	-5367 lbs	4-10	0.13	183 lbs	-183 lbs	4-8	0.01	210 lbs	-14 lbs
8-32	0.84	-2017 lbs	-2017 lbs					13-14	0.25	4978 lbs	-537 lbs
								15-16	0.08	1631 lbs	-165 lbs
								17-18	0.02	378 lbs	-17 lbs
								11-19	0.28	-437 lbs	-437 lbs
								20-21	0.06	-434 lbs	-434 lbs
								6-22	0.02	338 lbs	-156 lbs
								7-22	0.02	386 lbs	-135 lbs
								24-25	0.05	-350 lbs	-350 lbs
								12-27	0.34	-534 lbs	-534 lbs
								26-29	0.02	389 lbs	-18 lbs
								28-31	0.08	1631 lbs	-150 lbs
								30-32	0.25	4978 lbs	-573 lbs

TRUSS TG03 (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 (3 - 9)	TL(V): 0.08 in.	L / 999	(18-20)	L / 90
BC :	0.43 (26 - 28)	LL(V): 0.05 in.	L / 999	(18-20)	L / 90
Web :	0.29 (8 - 30)	DL(V): 0.03 in.	L / 999	(17-19)	L / 0
		Cant / OH TL: -0.02 in.	2L / 0	(3-9)	2L / 90
		Cant / OH LL: -0.02 in.	2L / 0	(3-9)	2L / 90
		Horiz TL: -0.02 in.		3	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(4-18)	L / 90
		Cant (Snow/Wind) 0.01 in.	L / 2	(8-2)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	HRoll		0 lbs	1510 lbs	0 lbs	-790 lbs	0 lbs
8	Pin		-160 lbs	1510 lbs	0 lbs	-690 lbs	-160 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-5-2	31-3-0

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

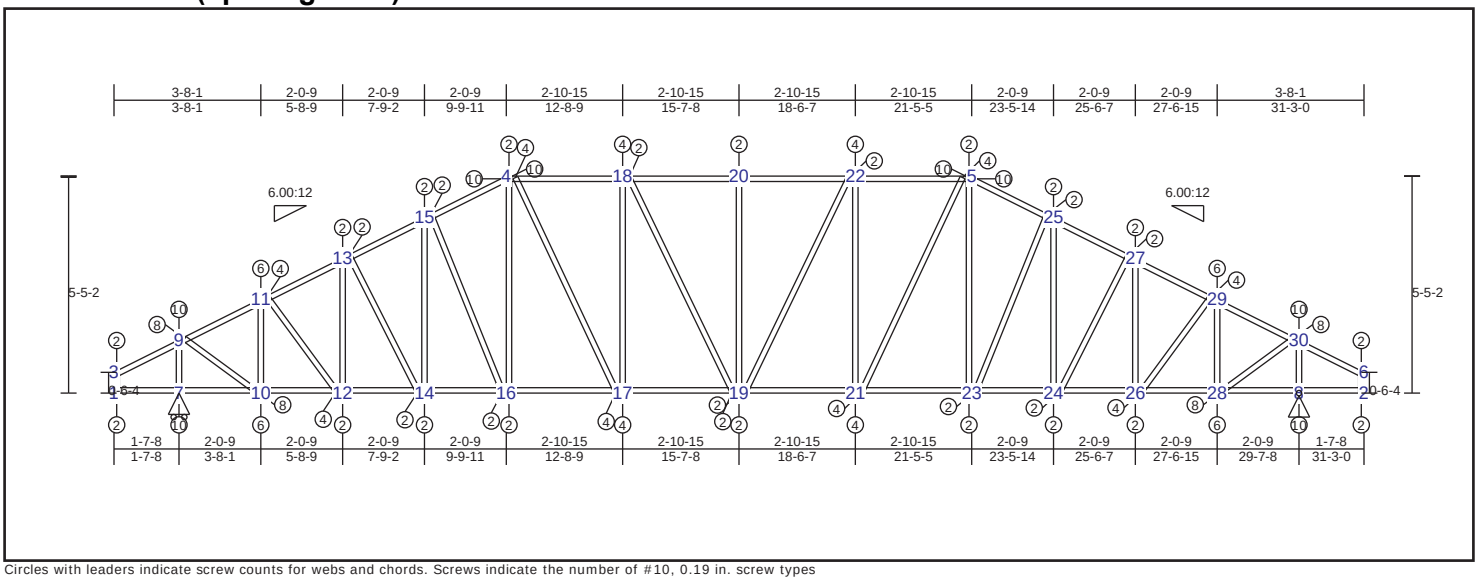
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
5-25	0.56	-1642 lbs	-1642 lbs	1-7	0.04	0 lbs	0 lbs	1-3	0.00	15 lbs	-2 lbs
25-27	0.52	-1747 lbs	-1747 lbs	7-10	0.43	1236 lbs	-583 lbs	7-9	0.29	-1513 lbs	-1513 lbs
27-29	0.64	-1747 lbs	-1747 lbs	10-12	0.43	1470 lbs	-657 lbs	10-11	0.14	-676 lbs	-676 lbs
29-30	0.76	-1642 lbs	-1642 lbs	12-14	0.23	1470 lbs	-657 lbs	12-13	0.05	-211 lbs	-211 lbs
6-30	0.88	-622 lbs	-622 lbs	14-16	0.23	1453 lbs	-598 lbs	14-15	0.03	89 lbs	-88 lbs
3-9	0.88	-622 lbs	-622 lbs	16-17	0.30	1418 lbs	-513 lbs	4-16	0.10	288 lbs	-235 lbs
9-11	0.76	-1642 lbs	-1642 lbs	17-19	0.23	1446 lbs	-513 lbs	17-18	0.16	-359 lbs	-359 lbs
11-13	0.64	-1747 lbs	-1747 lbs	19-21	0.24	1446 lbs	-509 lbs	19-20	0.06	-144 lbs	-144 lbs
13-15	0.52	-1747 lbs	-1747 lbs	21-23	0.30	1418 lbs	-482 lbs	21-22	0.16	-359 lbs	-359 lbs
4-15	0.56	-1642 lbs	-1642 lbs	23-24	0.23	1453 lbs	-600 lbs	5-23	0.11	288 lbs	-259 lbs
4-18	0.69	-1518 lbs	-1518 lbs	24-26	0.23	1470 lbs	-675 lbs	24-25	0.04	-117 lbs	-117 lbs
18-20	0.50	-1546 lbs	-1546 lbs	26-28	0.43	1470 lbs	-675 lbs	26-27	0.05	-211 lbs	-211 lbs
20-22	0.50	-1546 lbs	-1546 lbs	8-28	0.43	1236 lbs	-633 lbs	28-29	0.14	-676 lbs	-676 lbs
5-22	0.69	-1518 lbs	-1518 lbs	2-8	0.07	-155 lbs	-155 lbs	8-30	0.29	-1513 lbs	-1513 lbs
								2-6	0.00	16 lbs	-4 lbs
								9-10	0.17	1417 lbs	-668 lbs
								11-12	0.04	358 lbs	-113 lbs
								13-14	0.01	118 lbs	-53 lbs
								15-16	0.10	-291 lbs	-291 lbs
								4-17	0.09	356 lbs	-198 lbs
								18-19	0.05	-119 lbs	-119 lbs
								19-22	0.07	-150 lbs	-150 lbs
								5-21	0.14	356 lbs	-300 lbs
								23-25	0.10	305 lbs	-291 lbs
								24-27	0.02	151 lbs	-53 lbs
								26-29	0.04	358 lbs	-151 lbs
								28-30	0.17	1417 lbs	-583 lbs

TRUSS TG04 (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 :	0.92 (4 - 18)	TL(V): 0.1 in.	L / 999	(4-18)	L / 90
BC :	0.53 (26 - 28)	LL(V): 0.07 in.	L / 999	(4-18)	L / 90
Web :	0.29 (8 - 30)	DL(V): 0.03 in.	L / 999	(4-18)	L / 0
		Cant / OH TL: -0.01 in.	2L / 0	(3-9)	2L / 90
		Cant / OH LL: -0.01 in.	2L / 0	(3-9)	2L / 90
		Horiz TL: -0.02 in.		3	
		Web :			
		Snow/Wind -0.08 in.	L / 999	(22-5)	L / 90
		Cant (Snow/Wind) 0.01 in.	L / 0	(3-9)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	HRoll		0 lbs	1510 lbs	0 lbs	-660 lbs	0 lbs
8	Pin		-130 lbs	1510 lbs	0 lbs	-820 lbs	-130 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
5-5-2	31-3-0

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

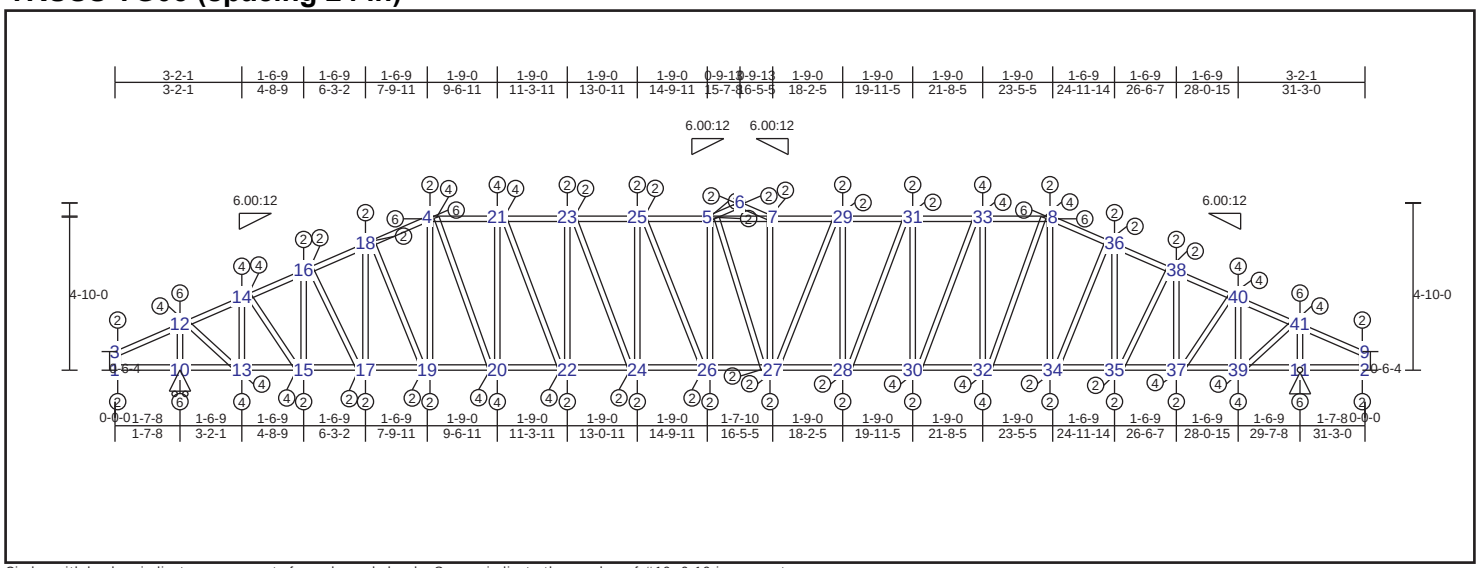
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-9	0.87	-625 lbs	-625 lbs	1-7	0.06	0 lbs	0 lbs	1-3	0.00	17 lbs	-3 lbs
9-11	0.81	-1558 lbs	-1558 lbs	7-10	0.53	1110 lbs	-487 lbs	7-9	0.29	-1516 lbs	-1516 lbs
11-13	0.58	-1740 lbs	-1740 lbs	10-12	0.53	1416 lbs	-625 lbs	10-11	0.17	-820 lbs	-820 lbs
13-15	0.48	-1740 lbs	-1740 lbs	12-14	0.23	1472 lbs	-657 lbs	12-13	0.08	-350 lbs	-350 lbs
4-15	0.44	-1713 lbs	-1713 lbs	14-16	0.19	1472 lbs	-657 lbs	14-15	0.03	-95 lbs	-95 lbs
4-18	0.92	-1748 lbs	-1748 lbs	16-17	0.41	1664 lbs	-807 lbs	4-16	0.06	-167 lbs	-167 lbs
18-20	0.78	-1823 lbs	-1823 lbs	17-19	0.41	1740 lbs	-874 lbs	17-18	0.17	-492 lbs	-492 lbs
20-22	0.78	-1823 lbs	-1823 lbs	19-21	0.36	1740 lbs	-874 lbs	19-20	0.07	-220 lbs	-220 lbs
5-22	0.92	-1748 lbs	-1748 lbs	21-23	0.37	1664 lbs	-855 lbs	21-22	0.17	-492 lbs	-492 lbs
5-25	0.44	-1713 lbs	-1713 lbs	23-24	0.23	1472 lbs	-803 lbs	5-23	0.04	135 lbs	-125 lbs
25-27	0.48	-1740 lbs	-1740 lbs	24-26	0.23	1472 lbs	-809 lbs	24-25	0.02	-69 lbs	-69 lbs
27-29	0.58	-1740 lbs	-1740 lbs	26-28	0.53	1416 lbs	-809 lbs	26-27	0.08	-350 lbs	-350 lbs
29-30	0.81	-1558 lbs	-1558 lbs	8-28	0.53	1110 lbs	-678 lbs	28-29	0.17	-820 lbs	-820 lbs
6-30	0.87	-625 lbs	-625 lbs	2-8	0.05	129 lbs	-129 lbs	8-30	0.29	-1516 lbs	-1516 lbs
								2-6	0.00	14 lbs	0 lbs
								9-10	0.17	1376 lbs	-604 lbs
								11-12	0.06	516 lbs	-233 lbs
								13-14	0.02	143 lbs	-70 lbs
								15-16	0.04	215 lbs	-126 lbs
								4-17	0.15	562 lbs	-387 lbs
								18-19	0.06	173 lbs	-154 lbs
								19-22	0.04	173 lbs	-107 lbs
								5-21	0.11	562 lbs	-273 lbs
								23-25	0.04	171 lbs	-126 lbs
								24-27	0.02	124 lbs	-20 lbs
								26-29	0.06	516 lbs	-221 lbs
								28-30	0.17	1376 lbs	-681 lbs

TRUSS TG05 (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 :	0.87 (4 - 21)	TL(V): 0.12 in.	L / 92	(5-6)	L / 90
BC :	0.54 (37 - 39)	LL(V): 0.08 in.	L / 136	(5-6)	L / 90
Web :	0.21 (11 - 41)	DL(V): 0.04 in.	L / 286	(5-6)	L / 0
		Cant / OH TL: -0.01 in.	2L / 0	(3-12)	2L / 90
		Cant / OH LL: -0.01 in.	2L / 0	(3-12)	2L / 90
		Horiz TL: -0.02 in.		3	
		Web :			
		Snow/Wind -0.09 in.	L / 123	(5-6)	L / 90
		Cant (Snow/Wind) 0.01 in.	L / 2	(11-2)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	HRoll		0 lbs	1570 lbs	0 lbs	-880 lbs	0 lbs
11	Pin		-110 lbs	1570 lbs	0 lbs	-730 lbs	-110 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
4-9-10	31-3-0

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

Material Design Pass

Member Forces Summary

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

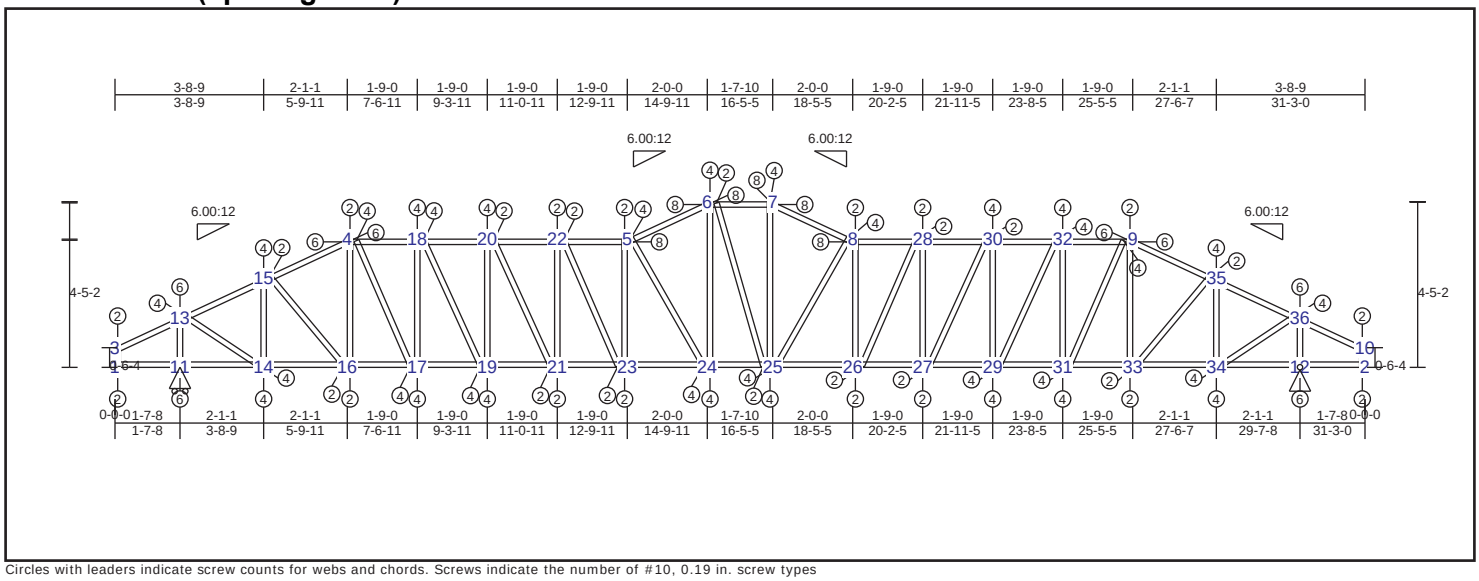
Top Chord			
4-21	0.87	-1928 lbs	-1928 lbs
21-23	0.59	-2162 lbs	-2162 lbs
23-25	0.47	-2325 lbs	-2325 lbs
5-25	0.47	-2417 lbs	-2417 lbs
5-7	0.36	-2418 lbs	-2418 lbs
7-29	0.46	-2418 lbs	-2418 lbs
29-31	0.46	-2325 lbs	-2325 lbs
31-33	0.59	-2162 lbs	-2162 lbs
8-33	0.87	-1928 lbs	-1928 lbs
5-6	0.05	-105 lbs	-105 lbs
6-7	0.05	-106 lbs	-106 lbs
3-12	0.70	-666 lbs	-666 lbs
12-14	0.72	-1531 lbs	-1531 lbs
14-16	0.42	-1794 lbs	-1794 lbs
16-18	0.35	-1855 lbs	-1855 lbs
4-18	0.31	-1855 lbs	-1855 lbs
8-36	0.31	-1855 lbs	-1855 lbs
36-38	0.35	-1855 lbs	-1855 lbs
38-40	0.42	-1794 lbs	-1794 lbs
40-41	0.72	-1531 lbs	-1531 lbs
9-41	0.70	-666 lbs	-666 lbs

Bot Chord			
1-10	0.03	0 lbs	0 lbs
10-13	0.54	998 lbs	-515 lbs
13-15	0.54	1386 lbs	-707 lbs
15-17	0.27	1528 lbs	-761 lbs
17-19	0.19	1564 lbs	-761 lbs
19-20	0.48	1862 lbs	-918 lbs
20-22	0.42	2096 lbs	-1043 lbs
22-24	0.35	2259 lbs	-1128 lbs
24-26	0.31	2351 lbs	-1170 lbs
26-27	0.22	2351 lbs	-1170 lbs
27-28	0.31	2351 lbs	-1159 lbs
28-30	0.35	2259 lbs	-1094 lbs
30-32	0.42	2096 lbs	-987 lbs
32-34	0.48	1862 lbs	-840 lbs
34-35	0.19	1564 lbs	-655 lbs
35-37	0.27	1528 lbs	-629 lbs
37-39	0.54	1386 lbs	-587 lbs
11-39	0.54	998 lbs	-464 lbs
2-11	0.07	113 lbs	-113 lbs

Web			
1-3	0.00	14 lbs	-1 lbs
10-12	0.21	-1605 lbs	-1605 lbs
13-14	0.15	-1099 lbs	-1099 lbs
15-16	0.09	-587 lbs	-587 lbs
17-18	0.05	-296 lbs	-296 lbs
4-19	0.02	-100 lbs	-100 lbs
20-21	0.19	-1001 lbs	-1001 lbs
22-23	0.12	-645 lbs	-645 lbs
24-25	0.09	-464 lbs	-464 lbs
5-26	0.04	-211 lbs	-211 lbs
7-27	0.04	-213 lbs	-213 lbs
28-29	0.09	-464 lbs	-464 lbs
30-31	0.12	-645 lbs	-645 lbs
32-33	0.19	-1001 lbs	-1001 lbs
8-34	0.02	-122 lbs	-122 lbs
35-36	0.05	-296 lbs	-296 lbs
37-38	0.09	-587 lbs	-587 lbs
39-40	0.15	-1099 lbs	-1099 lbs
11-41	0.21	-1605 lbs	-1605 lbs
2-9	0.00	20 lbs	-3 lbs
12-13	0.14	1451 lbs	-749 lbs
14-15	0.07	775 lbs	-384 lbs
16-17	0.03	366 lbs	-139 lbs
18-19	0.01	108 lbs	-14 lbs
4-20	0.11	1007 lbs	-550 lbs

Web			
21-22	0.08	753 lbs	-403 lbs
23-24	0.05	526 lbs	-272 lbs
25-26	0.03	284 lbs	-146 lbs
27-29	0.04	286 lbs	-203 lbs
28-31	0.07	526 lbs	-343 lbs
30-33	0.10	753 lbs	-474 lbs
8-32	0.13	1007 lbs	-626 lbs
34-36	0.01	141 lbs	-80 lbs
35-38	0.03	366 lbs	-196 lbs
37-40	0.07	775 lbs	-376 lbs
39-41	0.14	1451 lbs	-694 lbs
5-27	0.01	42 lbs	-42 lbs

TRUSS TG06 (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 :	0.94 (4 - 18)	TL(V): 0.16 in.	L / 999	(25-26)	L / 90
BC :	0.60 (29 - 31)	LL(V): 0.11 in.	L / 999	(25-26)	L / 90
Web :	0.21 (25 - 8)	DL(V): 0.05 in.	L / 999	(25-26)	L / 0
		Cant / OH TL: -0.02 in.	2L / 999	(36-10)	2L / 90
		Cant / OH LL: -0.02 in.	2L / 999	(36-10)	2L / 90
		Horiz TL: -0.02 in.		9	
		Web :			
		Snow/Wind -0.12 in.	L / 999	(25-26)	L / 90
		Cant (Snow/Wind) 0.02 in.	L / 999	(36-10)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
11	HRoll		0 lbs	1510 lbs	0 lbs	-820 lbs	0 lbs
12	Pin		-100 lbs	1510 lbs	0 lbs	-700 lbs	-100 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
4-5-2	31-3-0

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

Material Design Pass

Member Forces Summary

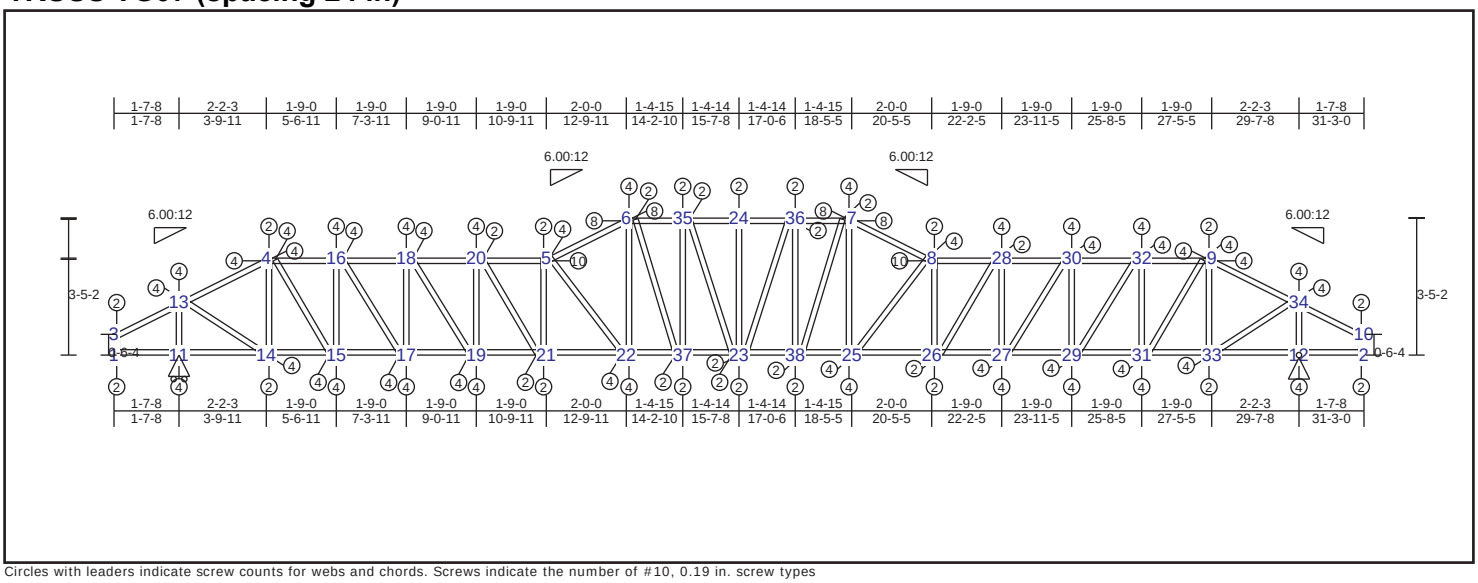
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
4-18	0.94	-1916 lbs	-1916 lbs	1-11	0.03	0 lbs	0 lbs
18-20	0.64	-2288 lbs	-2288 lbs	11-14	0.39	1126 lbs	-565 lbs
20-22	0.54	-2567 lbs	-2567 lbs	14-16	0.39	1411 lbs	-684 lbs
5-22	0.54	-2751 lbs	-2751 lbs	16-17	0.60	1867 lbs	-928 lbs
5-6	0.71	-2562 lbs	-2562 lbs	17-19	0.60	2239 lbs	-1121 lbs
6-7	0.55	-2220 lbs	-2220 lbs	19-21	0.40	2518 lbs	-1261 lbs
7-8	0.71	-2559 lbs	-2559 lbs	21-23	0.44	2701 lbs	-1345 lbs
8-28	0.54	-2751 lbs	-2751 lbs	23-24	0.52	2701 lbs	-1345 lbs
28-30	0.54	-2567 lbs	-2567 lbs	24-25	0.54	2153 lbs	-1010 lbs
30-32	0.64	-2288 lbs	-2288 lbs	25-26	0.54	2702 lbs	-1298 lbs
9-32	0.94	-1916 lbs	-1916 lbs	26-27	0.45	2702 lbs	-1298 lbs
9-35	0.46	-1652 lbs	-1652 lbs	27-29	0.40	2518 lbs	-1202 lbs
35-36	0.62	-1566 lbs	-1566 lbs	29-31	0.60	2239 lbs	-1049 lbs
10-36	0.68	-624 lbs	-624 lbs	31-33	0.60	1867 lbs	-842 lbs
3-13	0.68	-624 lbs	-624 lbs	33-34	0.39	1411 lbs	-584 lbs
13-15	0.62	-1566 lbs	-1566 lbs	12-34	0.39	1126 lbs	-472 lbs
4-15	0.46	-1652 lbs	-1652 lbs	2-12	0.06	-103 lbs	-103 lbs

Web			
1-3	0.00	13 lbs	0 lbs
11-13	0.20	-1513 lbs	-1513 lbs
14-15	0.11	-799 lbs	-799 lbs
4-16	0.06	-352 lbs	-352 lbs
17-18	0.19	-1167 lbs	-1167 lbs
19-20	0.13	-796 lbs	-796 lbs
21-22	0.10	-640 lbs	-640 lbs
5-23	0.05	-326 lbs	-326 lbs
6-24	0.12	1030 lbs	-604 lbs
7-25	0.11	1019 lbs	-580 lbs
8-26	0.05	-316 lbs	-316 lbs
27-28	0.10	-644 lbs	-644 lbs
29-30	0.13	-796 lbs	-796 lbs
31-32	0.19	-1167 lbs	-1167 lbs
9-33	0.06	-352 lbs	-352 lbs
34-35	0.11	-799 lbs	-799 lbs
12-36	0.20	-1513 lbs	-1513 lbs
2-10	0.00	19 lbs	-3 lbs
13-14	0.13	1383 lbs	-694 lbs
15-16	0.04	464 lbs	-193 lbs
4-17	0.11	1215 lbs	-649 lbs
18-19	0.09	949 lbs	-494 lbs
20-21	0.07	711 lbs	-357 lbs
22-23	0.05	489 lbs	-224 lbs
26-28	0.05	491 lbs	-258 lbs

Web			
27-30	0.07	711 lbs	-390 lbs
29-32	0.09	949 lbs	-528 lbs
9-31	0.12	1215 lbs	-686 lbs
33-35	0.04	464 lbs	-235 lbs
34-36	0.13	1383 lbs	-666 lbs
6-25	0.01	62 lbs	-52 lbs
5-24	0.20	-1167 lbs	-1167 lbs
8-25	0.21	-1176 lbs	-1176 lbs

TRUSS TG07 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.56 (32 - 9)	TL(V): 0.16 in.	L / 423	(35-24)	L / 90
BC :	0.38 (14 - 15)	LL(V): 0.11 in.	L / 635	(35-24)	L / 90
Web :	0.13 (25 - 8)	DL(V): 0.05 in.	L / 999	(24-36)	L / 0
		Cant / OH TL: -0.02 in.	2L / 999	(34-10)	2L / 90
		Cant / OH LL: -0.02 in.	2L / 999	(34-10)	2L / 90
		Horiz TL: -0.02 in.		9	
		Web :			
		Snow/Wind -0.11 in.	L / 999	(37-23)	L / 90
		Cant (Snow/Wind) 0.02 in.	L / 999	(34-10)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
11	HRoll		0 lbs	1500 lbs	0 lbs	-800 lbs	0 lbs
12	Pin		-80 lbs	1500 lbs	0 lbs	-730 lbs	-80 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
3-5-2	31-3-0

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

Material Design Pass

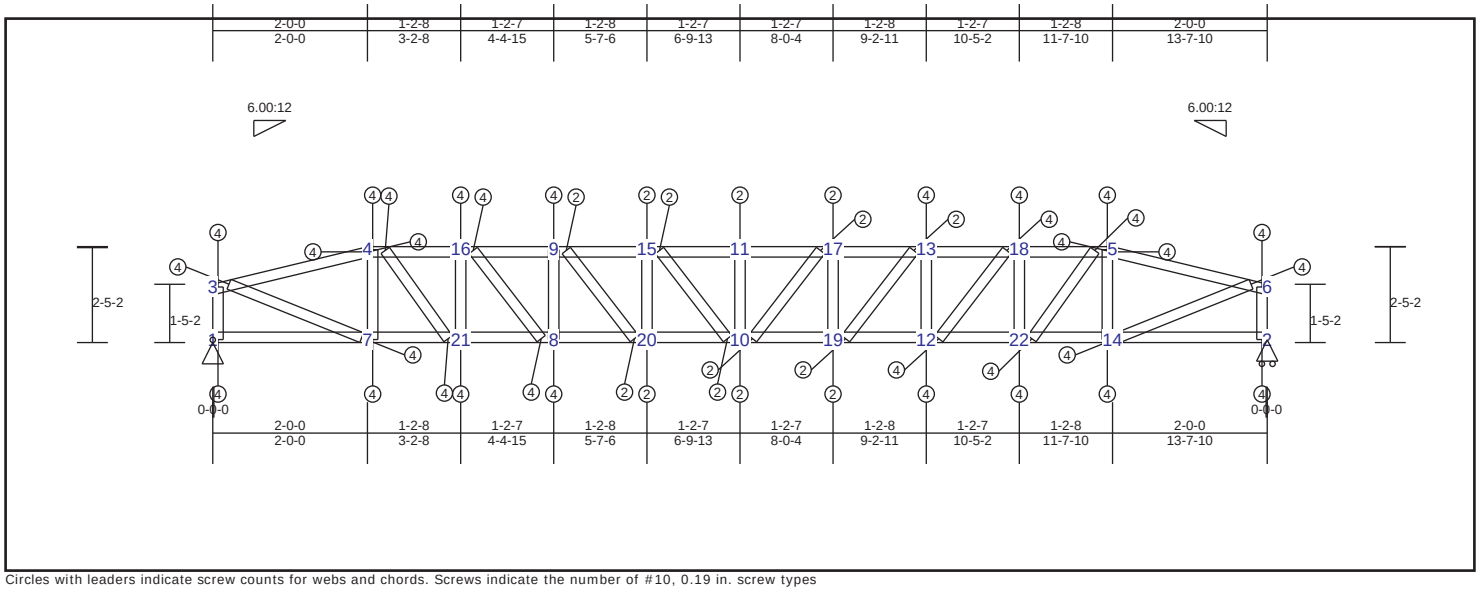
Member Forces Summary

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

Top Chord				Bot Chord				Web			
4-16	0.56	-1964 lbs	-1964 lbs	1-11	0.03	0 lbs	0 lbs	1-3	0.00	18 lbs	-3 lbs
16-18	0.37	-2642 lbs	-2642 lbs	11-14	0.18	1122 lbs	-537 lbs	11-13	0.11	-1515 lbs	-1515 lbs
18-20	0.35	-3188 lbs	-3188 lbs	14-15	0.38	1932 lbs	-961 lbs	4-14	0.06	-779 lbs	-779 lbs
5-20	0.35	-3593 lbs	-3593 lbs	15-17	0.38	2610 lbs	-1303 lbs	15-16	0.12	-1401 lbs	-1401 lbs
5-6	0.47	-3413 lbs	-3413 lbs	17-19	0.27	3156 lbs	-1571 lbs	17-18	0.09	-1028 lbs	-1028 lbs
6-35	0.37	-2833 lbs	-2833 lbs	19-21	0.29	3561 lbs	-1756 lbs	19-20	0.07	-869 lbs	-869 lbs
24-35	0.25	-2867 lbs	-2867 lbs	21-22	0.29	3561 lbs	-1756 lbs	5-21	0.05	-572 lbs	-572 lbs
24-36	0.25	-2867 lbs	-2867 lbs	22-37	0.36	2784 lbs	-1288 lbs	6-22	0.07	1207 lbs	-657 lbs
7-36	0.37	-2833 lbs	-2833 lbs	23-37	0.15	2818 lbs	-1288 lbs	23-24	0.01	-102 lbs	-102 lbs
7-8	0.47	-3413 lbs	-3413 lbs	23-38	0.15	2818 lbs	-1280 lbs	7-25	0.06	1207 lbs	-597 lbs
8-28	0.35	-3593 lbs	-3593 lbs	25-38	0.36	2784 lbs	-1234 lbs	8-26	0.05	-572 lbs	-572 lbs
28-30	0.35	-3188 lbs	-3188 lbs	25-26	0.29	3561 lbs	-1537 lbs	27-28	0.07	-869 lbs	-869 lbs
30-32	0.37	-2642 lbs	-2642 lbs	26-27	0.29	3561 lbs	-1537 lbs	29-30	0.09	-1028 lbs	-1028 lbs
9-32	0.56	-1964 lbs	-1964 lbs	27-29	0.27	3156 lbs	-1407 lbs	31-32	0.12	-1401 lbs	-1401 lbs
9-34	0.33	-1294 lbs	-1294 lbs	29-31	0.38	2610 lbs	-1196 lbs	9-33	0.06	-779 lbs	-779 lbs
10-34	0.38	-622 lbs	-622 lbs	31-33	0.38	1932 lbs	-910 lbs	12-34	0.11	-1515 lbs	-1515 lbs
3-13	0.38	-622 lbs	-622 lbs	12-33	0.18	1122 lbs	-543 lbs	2-10	0.00	18 lbs	-4 lbs
4-13	0.33	-1294 lbs	-1294 lbs	2-12	0.03	76 lbs	-76 lbs	36-38	0.03	-332 lbs	-332 lbs
								35-37	0.03	-332 lbs	-332 lbs
								4-15	0.08	1604 lbs	-838 lbs
								16-17	0.06	1292 lbs	-653 lbs
								18-19	0.05	1042 lbs	-510 lbs
								20-21	0.04	801 lbs	-366 lbs
								26-28	0.04	801 lbs	-440 lbs
								27-30	0.05	1042 lbs	-515 lbs

Web			
29-32	0.06	1292 lbs	-591 lbs
9-31	0.08	1604 lbs	-727 lbs
33-34	0.07	1337 lbs	-556 lbs
13-14	0.07	1337 lbs	-641 lbs
5-22	0.13	-1380 lbs	-1380 lbs
8-25	0.13	-1380 lbs	-1380 lbs
23-35	0.01	-122 lbs	-122 lbs
23-36	0.02	-149 lbs	-149 lbs
6-37	0.02	213 lbs	-155 lbs
7-38	0.02	-231 lbs	-231 lbs

TRUSS TG08 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.59 (3 - 4)	TL(V): 0.04 in.	L / 999	(15-11)	L / 90
BC :	0.39 (12 - 22)	LL(V): 0.02 in.	L / 999	(15-11)	L / 90
Web :	0.13 (22 - 18)	DL(V): 0.01 in.	L / 999	(15-11)	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	(15-11)	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
1	Pin		-30 lbs	650 lbs	0 lbs	-330 lbs	-30 lbs
2	HRoll		0 lbs	650 lbs	0 lbs	-370 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-5-2	13-7-10

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

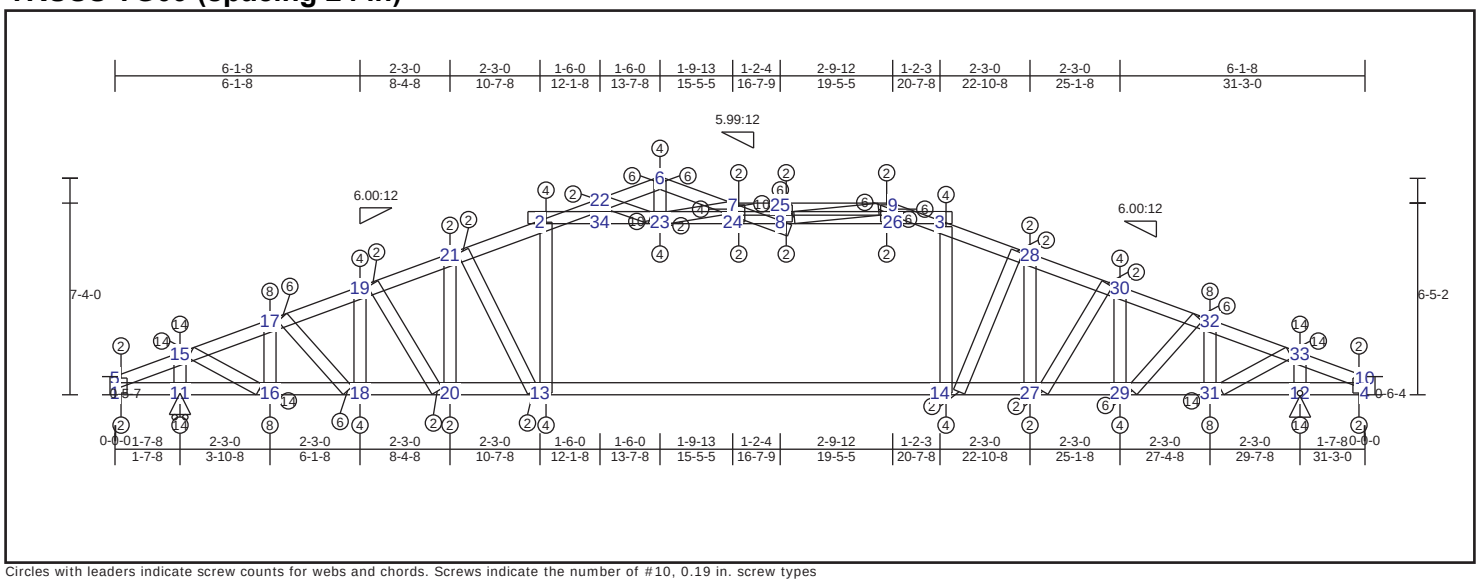
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-4	0.59	-528 lbs	-528 lbs	1-7	0.22	463 lbs	-297 lbs	4-7	0.09	-436 lbs	-436 lbs
4-16	0.56	-695 lbs	-695 lbs	7-21	0.39	679 lbs	-463 lbs	8-9	0.07	-360 lbs	-360 lbs
9-16	0.34	-850 lbs	-850 lbs	8-21	0.39	834 lbs	-583 lbs	10-11	0.02	-111 lbs	-111 lbs
9-15	0.27	-941 lbs	-941 lbs	8-20	0.22	924 lbs	-654 lbs	12-13	0.07	-360 lbs	-360 lbs
11-15	0.24	-971 lbs	-971 lbs	10-20	0.18	954 lbs	-680 lbs	5-14	0.09	-436 lbs	-436 lbs
11-17	0.24	-971 lbs	-971 lbs	10-19	0.18	954 lbs	-680 lbs	16-21	0.13	-618 lbs	-618 lbs
13-17	0.27	-941 lbs	-941 lbs	12-19	0.22	924 lbs	-662 lbs	15-20	0.04	-203 lbs	-203 lbs
13-18	0.34	-850 lbs	-850 lbs	12-22	0.39	834 lbs	-598 lbs	17-19	0.04	-203 lbs	-203 lbs
5-18	0.56	-695 lbs	-695 lbs	14-22	0.39	679 lbs	-486 lbs	18-22	0.13	-618 lbs	-618 lbs
5-6	0.59	-528 lbs	-528 lbs	2-14	0.22	463 lbs	-327 lbs	2-6	0.12	-651 lbs	-651 lbs
								1-3	0.12	-651 lbs	-651 lbs
								6-14	0.09	603 lbs	-425 lbs
								3-7	0.09	603 lbs	-421 lbs
								10-17	0.01	87 lbs	-53 lbs
								10-15	0.02	87 lbs	-75 lbs
								8-16	0.07	444 lbs	-344 lbs
								12-18	0.07	444 lbs	-322 lbs
								5-22	0.10	664 lbs	-490 lbs
								9-20	0.04	258 lbs	-204 lbs
								4-21	0.11	664 lbs	-510 lbs
								13-19	0.04	258 lbs	-182 lbs

TRUSS TG09 (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 :	0.94 (15 - 17)	TL(V): 0.39 in.	L / 271	(24-8)	L / 90
BC :	0.58 (13 - 14)	LL(V): 0.05 in.	L / 999	(24-8)	L / 90
Web :	0.75 (11 - 15)	DL(V): 0.34 in.	L / 999	(13-14)	L / 0
		Cant / OH TL: 0.03 in.	2L / 999	14	2L / 90
		Cant / OH LL: 0.03 in.	2L / 999	14	2L / 90
		Horiz TL: -0.02 in.		5	
		Web :			
		Snow/Wind -0.08 in.	L / 999	14	L / 90
		Cant (Snow/Wind) -0.08 in.	L / 362	14	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
11	HRoll		0 lbs	4800 lbs	0 lbs	0 lbs	0 lbs
12	Pin		-200 lbs	4790 lbs	0 lbs	0 lbs	-200 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (96 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-3-3	31-3-0

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 = 46.00 psf; BC Live = 0.00 psf; BC Dead = 35.00 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

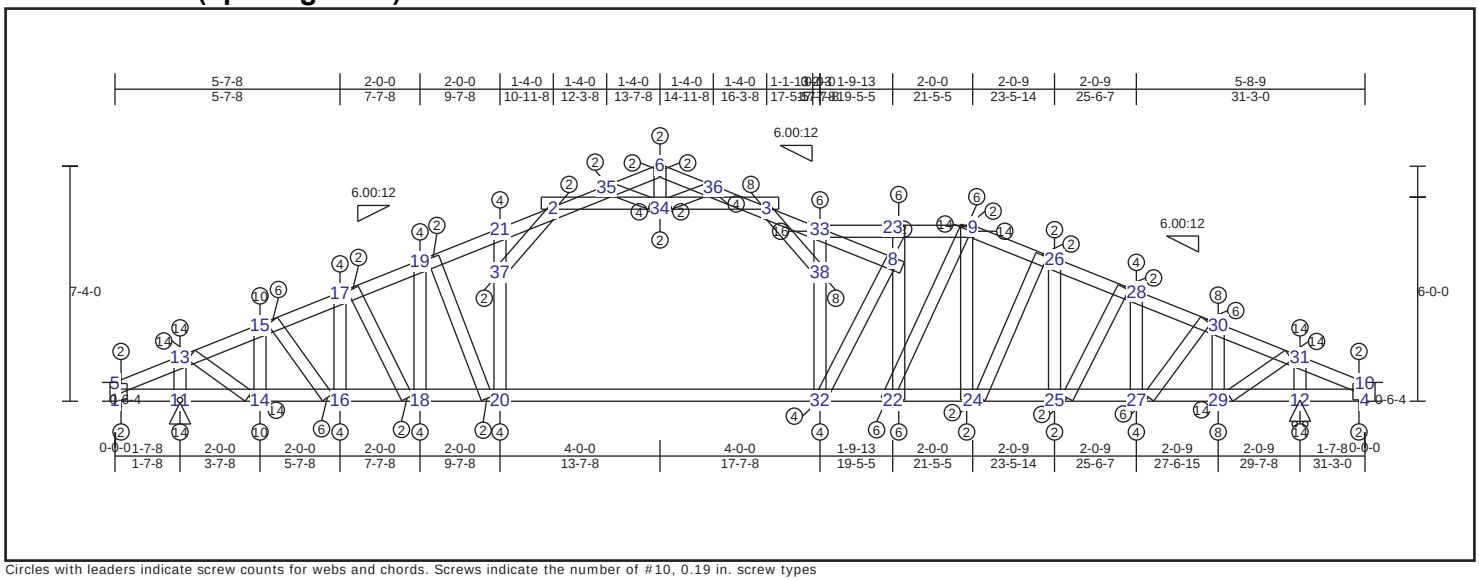
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
5-15	0.85	-2045 lbs	-2045 lbs	2-23	0.58	-3635 lbs	-3635 lbs	1-5	0.01	214 lbs	-24 lbs
15-17	0.94	-5452 lbs	-5452 lbs	23-24	0.58	-3635 lbs	-3635 lbs	11-15	0.75	-5082 lbs	-5082 lbs
17-19	0.61	-5858 lbs	-5858 lbs	8-24	0.58	-1250 lbs	-1250 lbs	16-17	0.49	-2897 lbs	-2897 lbs
19-21	0.56	-5858 lbs	-5858 lbs	8-26	0.58	-3067 lbs	-3067 lbs	18-19	0.29	-885 lbs	-885 lbs
2-21	0.55	-5785 lbs	-5785 lbs	3-26	0.53	-3067 lbs	-3067 lbs	20-21	0.27	-502 lbs	-502 lbs
2-22	0.66	-5785 lbs	-5785 lbs	1-11	0.13	0 lbs	0 lbs	2-13	0.26	1046 lbs	-302 lbs
6-22	0.21	-1965 lbs	-1965 lbs	11-16	0.58	4066 lbs	-782 lbs	6-23	0.06	1106 lbs	-319 lbs
7-25	0.52	-3878 lbs	-3878 lbs	16-18	0.58	4979 lbs	-922 lbs	7-24	0.13	296 lbs	-146 lbs
9-25	0.52	-3878 lbs	-3878 lbs	18-20	0.33	5094 lbs	-922 lbs	9-26	0.03	610 lbs	-118 lbs
3-9	0.73	-5183 lbs	-5183 lbs	13-20	0.32	5094 lbs	-889 lbs	3-14	0.29	1128 lbs	-355 lbs
3-28	0.62	-5828 lbs	-5828 lbs	13-14	0.58	4999 lbs	-842 lbs	27-28	0.35	-646 lbs	-646 lbs
28-30	0.55	-5845 lbs	-5845 lbs	14-27	0.35	5094 lbs	-1006 lbs	29-30	0.29	-884 lbs	-884 lbs
30-32	0.61	-5845 lbs	-5845 lbs	27-29	0.33	5094 lbs	-1051 lbs	31-32	0.49	-2889 lbs	-2889 lbs
32-33	0.93	-5440 lbs	-5440 lbs	29-31	0.57	4972 lbs	-1051 lbs	12-33	0.75	-5073 lbs	-5073 lbs
10-33	0.85	-2042 lbs	-2042 lbs	12-31	0.58	4062 lbs	-927 lbs	4-10	0.01	213 lbs	-27 lbs
6-7	0.26	-1650 lbs	-1650 lbs	4-12	0.15	-201 lbs	-201 lbs	8-25	0.07	-480 lbs	-480 lbs
7-8	0.29	-1650 lbs	-1650 lbs					15-16	0.25	5054 lbs	-972 lbs
								17-18	0.08	1671 lbs	-265 lbs
								19-20	0.02	360 lbs	-29 lbs
								13-21	0.18	475 lbs	-275 lbs
								22-23	0.04	-252 lbs	-252 lbs
								14-28	0.20	568 lbs	-328 lbs
								27-30	0.02	409 lbs	-29 lbs
								29-32	0.08	1663 lbs	-285 lbs
								31-33	0.25	5044 lbs	-902 lbs
								7-23	0.56	-3735 lbs	-3735 lbs
								8-9	0.11	1865 lbs	-618 lbs

TRUSS TG10 (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 (7 - 33)	TL(V): 0.61 in.	L / 78	(7-23)	L / 90
BC :	0.65 (2 - 34)	LL(V): 0.11 in.	L / 446	(7-23)	L / 90
Web :	0.76 (22 - 23)	DL(V): 0.51 in.	L / 153	(3-7)	L / 0
		Cant / OH TL: 0.11 in.	2L / 391	(7-23)	2L / 90
		Cant / OH LL: 0.11 in.	2L / 391	(7-23)	2L / 90
		Horiz TL: -0.03 in.		38	
		Web :			
		Snow/Wind -0.15 in.	L / 318	(7-23)	L / 90
		Cant (Snow/Wind) -0.15 in.	L / 279	(7-23)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
11	Pin		-250 lbs	4730 lbs	0 lbs	0 lbs	-250 lbs
12	HRoll		0 lbs	4740 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (96 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-3-13	31-3-0

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 = 46.00 psf; BC Live = 0.00 psf; BC Dead = 35.00 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

Material Design Pass

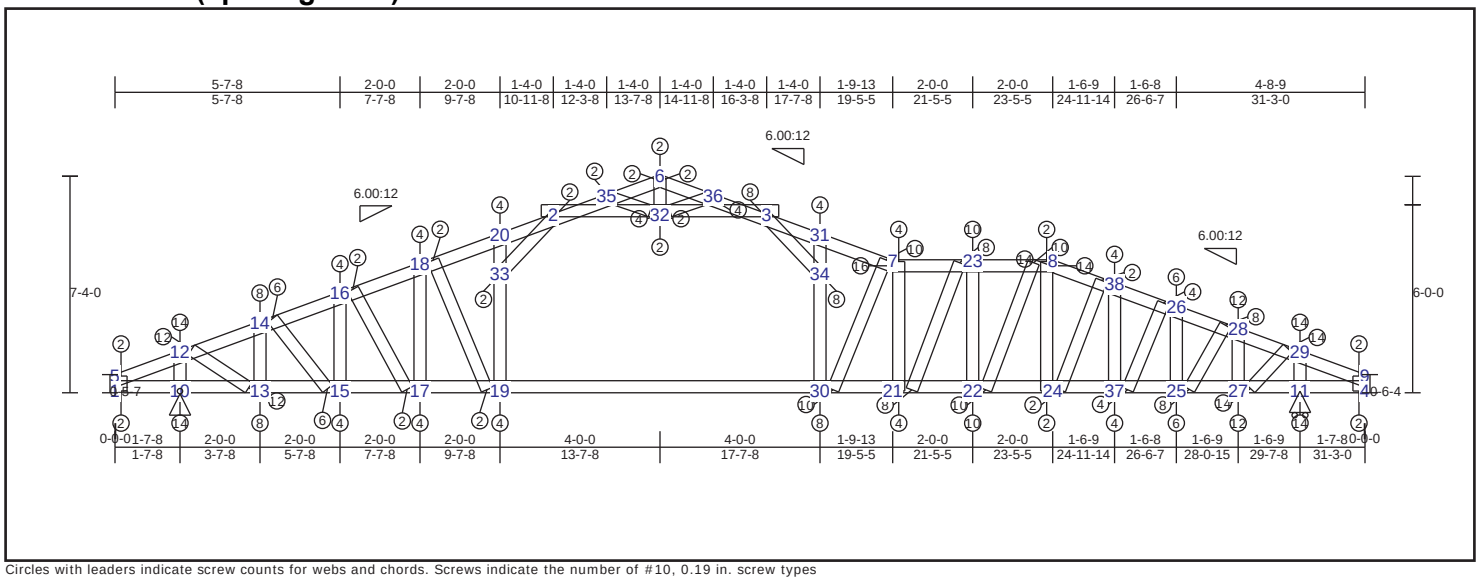
Deflection check failed

Member Forces Summary

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

Top Chord				Bot Chord				Web			
6-36	0.21	629 lbs	-239 lbs	2-34	0.65	-6154 lbs	-6154 lbs	11-13	0.76	-5111 lbs	-5111 lbs
3-36	0.88	-4747 lbs	-4747 lbs	3-34	0.65	-5834 lbs	-5834 lbs	1-5	0.01	213 lbs	-31 lbs
3-7	0.88	-7221 lbs	-7221 lbs	1-11	0.13	252 lbs	-135 lbs	14-15	0.52	-3348 lbs	-3348 lbs
7-33	0.88	-7221 lbs	-7221 lbs	11-14	0.65	3761 lbs	-856 lbs	16-17	0.33	-1145 lbs	-1145 lbs
8-33	0.51	-1792 lbs	-1792 lbs	14-16	0.65	4752 lbs	-1019 lbs	18-19	0.60	-1244 lbs	-1244 lbs
5-13	0.86	-2059 lbs	-2059 lbs	16-18	0.40	5016 lbs	-1019 lbs	20-37	0.09	1310 lbs	-340 lbs
13-15	0.88	-5254 lbs	-5254 lbs	18-20	0.42	5081 lbs	-1016 lbs	21-37	0.09	1310 lbs	-340 lbs
15-17	0.59	-5718 lbs	-5718 lbs	20-32	0.65	5081 lbs	-929 lbs	2-37	0.04	278 lbs	-226 lbs
17-19	0.64	-6052 lbs	-6052 lbs	22-32	0.65	5720 lbs	-1063 lbs	6-34	0.03	-232 lbs	-232 lbs
19-21	0.71	-6052 lbs	-6052 lbs	22-24	0.32	4935 lbs	-935 lbs	3-38	0.17	2726 lbs	-1003 lbs
2-21	0.88	-5348 lbs	-5348 lbs	24-25	0.31	5005 lbs	-995 lbs	32-38	0.76	-2070 lbs	-2070 lbs
2-35	0.88	-5154 lbs	-5154 lbs	25-27	0.35	5005 lbs	-999 lbs	33-38	0.76	-2070 lbs	-2070 lbs
6-35	0.16	733 lbs	-255 lbs	27-29	0.63	4819 lbs	-999 lbs	8-32	0.28	-476 lbs	-476 lbs
7-23	0.88	-5804 lbs	-5804 lbs	12-29	0.63	3825 lbs	-813 lbs	22-23	0.76	-1624 lbs	-1624 lbs
9-23	0.67	-5804 lbs	-5804 lbs	4-12	0.13	0 lbs	0 lbs	9-22	0.40	2265 lbs	-488 lbs
9-26	0.51	-5670 lbs	-5670 lbs					9-24	0.17	513 lbs	-241 lbs
26-28	0.54	-5776 lbs	-5776 lbs					25-26	0.11	-226 lbs	-226 lbs
28-30	0.59	-5776 lbs	-5776 lbs					27-28	0.35	-1175 lbs	-1175 lbs
30-31	0.88	-5282 lbs	-5282 lbs					29-30	0.51	-3248 lbs	-3248 lbs
10-31	0.88	-2054 lbs	-2054 lbs					12-31	0.76	-5099 lbs	-5099 lbs
								4-10	0.01	213 lbs	-25 lbs
								13-14	0.25	5081 lbs	-986 lbs
								15-16	0.10	1992 lbs	-381 lbs
								17-18	0.05	713 lbs	-138 lbs
								19-20	0.08	516 lbs	-148 lbs
								34-35	0.03	378 lbs	-181 lbs
								34-36	0.16	-1106 lbs	-1106 lbs
								24-26	0.13	-225 lbs	-225 lbs
								25-28	0.02	496 lbs	-58 lbs
								27-30	0.10	1958 lbs	-367 lbs
								29-31	0.25	5058 lbs	-1075 lbs

TRUSS TG11 (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 :	0.66	(2 - 35)	TL(V): 0.73 in.	L / 512	30	L / 90
BC :	0.68	(2 - 32)	LL(V): 0.12 in.	L / 999	30	L / 90
Web :	0.78	(30 - 7)	DL(V): 0.61 in.	L / 614	30	L / 0
			Cant / OH TL: 0.12 in.	2L / 467	30	2L / 90
			Cant / OH LL: 0.12 in.	2L / 467	30	2L / 90
			Horiz TL: -0.03 in.		34	
			Web :			
			Snow/Wind -0.14 in.	L / 999	30	L / 90
			Cant (Snow/Wind) -0.14 in.	L / 386	30	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	Pin		-180 lbs	4570 lbs	0 lbs	0 lbs	-180 lbs
11	HRoll		0 lbs	4500 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (96 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-3-3	31-3-0

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 = 46.00 psf; BC Live = 0.00 psf; BC Dead = 35.00 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

Material Design Pass

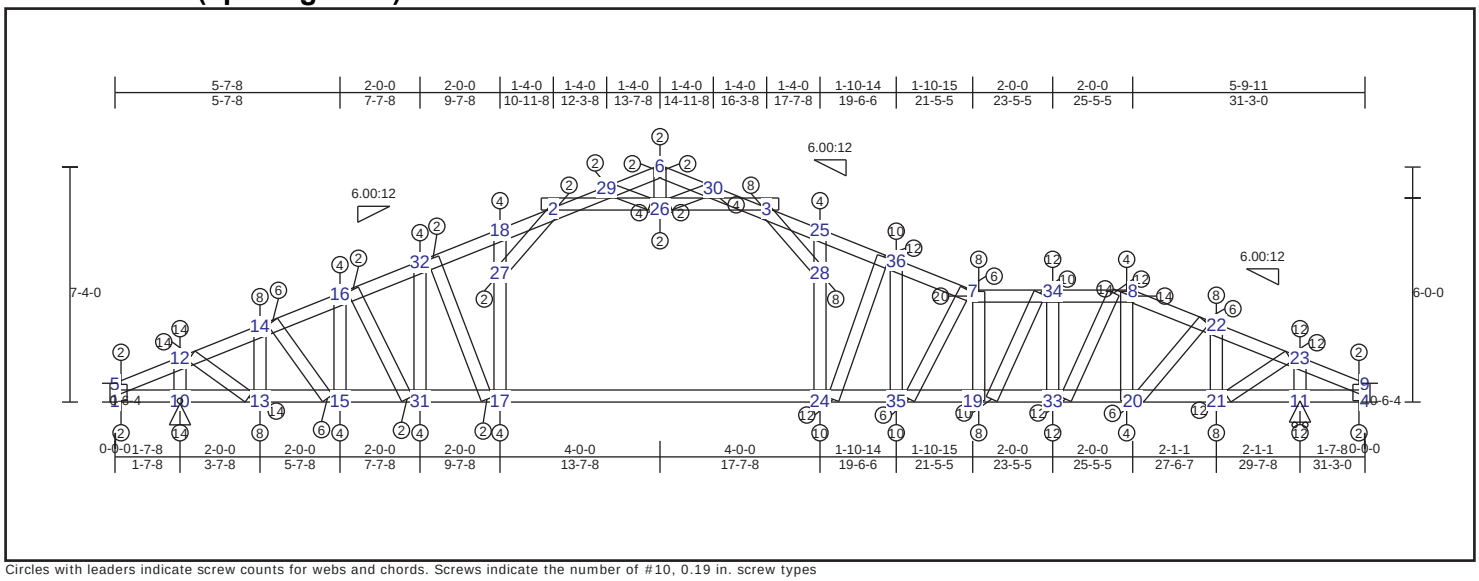
Member Forces Summary

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

Top Chord				Bot Chord			
5-12	0.66	-1981 lbs	-1981 lbs	2-32	0.68	-5963 lbs	-5963 lbs
12-14	0.66	-5034 lbs	-5034 lbs	3-32	0.68	-5672 lbs	-5672 lbs
14-16	0.56	-5463 lbs	-5463 lbs	1-10	0.12	180 lbs	-180 lbs
16-18	0.59	-5718 lbs	-5718 lbs	10-13	0.62	3622 lbs	-888 lbs
18-20	0.66	-5718 lbs	-5718 lbs	13-15	0.62	4564 lbs	-1047 lbs
2-20	0.66	-5052 lbs	-5052 lbs	15-17	0.37	4794 lbs	-1047 lbs
2-35	0.66	-4883 lbs	-4883 lbs	17-19	0.37	4827 lbs	-1041 lbs
6-35	0.09	835 lbs	-214 lbs	19-30	0.68	5211 lbs	-1001 lbs
6-36	0.16	747 lbs	-175 lbs	21-30	0.68	6283 lbs	-1240 lbs
3-36	0.66	-4540 lbs	-4540 lbs	21-22	0.68	6283 lbs	-1240 lbs
3-31	0.66	-7255 lbs	-7255 lbs	22-24	0.68	5596 lbs	-1100 lbs
7-31	0.66	-7255 lbs	-7255 lbs	24-37	0.36	4718 lbs	-907 lbs
7-23	0.66	-6350 lbs	-6350 lbs	25-37	0.38	4549 lbs	-875 lbs
8-23	0.66	-5663 lbs	-5663 lbs	25-27	0.68	4185 lbs	-806 lbs
8-38	0.51	-5467 lbs	-5467 lbs	11-27	0.68	3066 lbs	-590 lbs
26-38	0.52	-5467 lbs	-5467 lbs	4-11	0.17	0 lbs	0 lbs
26-28	0.56	-5323 lbs	-5323 lbs				
28-29	0.66	-4757 lbs	-4757 lbs				
9-29	0.66	-2107 lbs	-2107 lbs				

Web			
1-5	0.01	202 lbs	-24 lbs
13-14	0.50	-3205 lbs	-3205 lbs
15-16	0.31	-1077 lbs	-1077 lbs
17-18	0.50	-1054 lbs	-1054 lbs
19-33	0.08	1220 lbs	-301 lbs
20-33	0.08	1220 lbs	-301 lbs
30-34	0.78	3169 lbs	-647 lbs
31-34	0.78	3169 lbs	-647 lbs
7-21	0.49	-991 lbs	-991 lbs
22-23	0.78	-3520 lbs	-3520 lbs
8-24	0.15	-320 lbs	-320 lbs
25-26	0.45	-2017 lbs	-2017 lbs
27-28	0.71	-4573 lbs	-4573 lbs
3-34	0.15	2979 lbs	-750 lbs
2-33	0.03	-196 lbs	-196 lbs
6-32	0.05	-344 lbs	-344 lbs
37-38	0.37	-1081 lbs	-1081 lbs
4-9	0.01	213 lbs	-29 lbs
11-29	0.78	-5219 lbs	-5219 lbs
10-12	0.73	-4925 lbs	-4925 lbs
12-13	0.24	4871 lbs	-952 lbs
14-15	0.09	1892 lbs	-320 lbs
16-17	0.03	625 lbs	-83 lbs
18-19	0.04	446 lbs	-75 lbs
21-23	0.27	2588 lbs	-527 lbs
8-22	0.38	3307 lbs	-725 lbs
25-28	0.15	2931 lbs	-565 lbs
27-29	0.27	5446 lbs	-1048 lbs
7-30	0.78	-3768 lbs	-3768 lbs
32-36	0.13	-909 lbs	-909 lbs
32-35	0.02	349 lbs	-119 lbs
26-37	0.06	1260 lbs	-238 lbs
24-38	0.05	628 lbs	-121 lbs

TRUSS TG12 (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 :	0.84 (2 - 29)	TL(V): 0.76 in.	L / 487	(24-35)	L / 90
BC :	0.84 (17 - 24)	LL(V): 0.13 in.	L / 999	(24-35)	L / 90
Web :	0.73 (24 - 36)	DL(V): 0.64 in.	L / 584	24	L / 0
		Cant / OH TL: 0.13 in.	2L / 519	(24-35)	2L / 90
		Cant / OH LL: 0.13 in.	2L / 519	(24-35)	2L / 90
		Horiz TL: -0.03 in.		28	
		Web :			
		Snow/Wind -0.16 in.	L / 999	24	L / 90
		Cant (Snow/Wind) -0.16 in.	L / 357	24	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	Pin		-180 lbs	4580 lbs	0 lbs	0 lbs	-180 lbs
11	HRoll		0 lbs	4500 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (96 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-3-3	31-3-0

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 = 46.00 psf; BC Live = 0.00 psf; BC Dead = 35.00 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

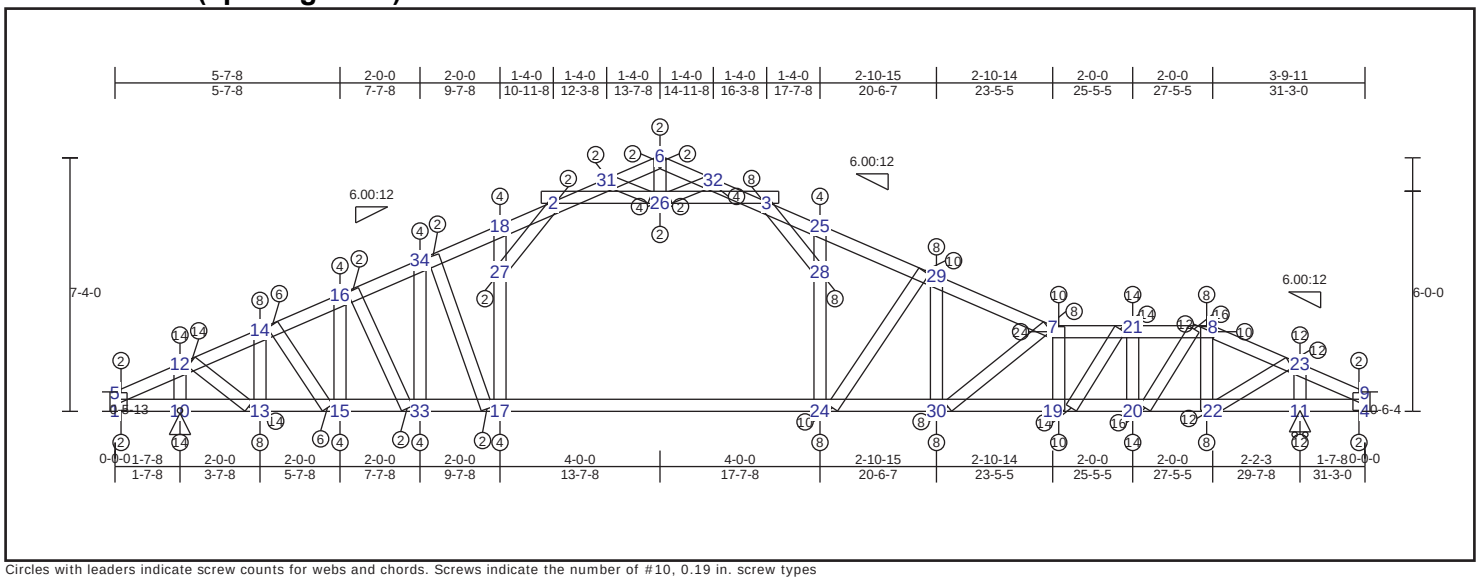
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
5-12	0.83	-1982 lbs	-1982 lbs	2-26	0.84	-5988 lbs	-5988 lbs	15-16	0.31	-1078 lbs	-1078 lbs
12-14	0.84	-5040 lbs	-5040 lbs	3-26	0.84	-5687 lbs	-5687 lbs	13-14	0.50	-3209 lbs	-3209 lbs
14-16	0.56	-5469 lbs	-5469 lbs	1-10	0.12	180 lbs	-180 lbs	6-26	0.05	-347 lbs	-347 lbs
16-32	0.59	-5726 lbs	-5726 lbs	10-13	0.62	3625 lbs	-880 lbs	2-27	0.03	-205 lbs	-205 lbs
18-32	0.66	-5726 lbs	-5726 lbs	13-15	0.62	4569 lbs	-1037 lbs	3-28	0.15	3018 lbs	-784 lbs
2-18	0.84	-5047 lbs	-5047 lbs	15-31	0.37	4800 lbs	-1037 lbs	31-32	0.50	-1057 lbs	-1057 lbs
2-29	0.84	-4895 lbs	-4895 lbs	17-31	0.37	4834 lbs	-1030 lbs	17-27	0.09	1211 lbs	-299 lbs
6-29	0.09	846 lbs	-227 lbs	17-24	0.84	5227 lbs	-982 lbs	18-27	0.09	1211 lbs	-299 lbs
6-30	0.17	752 lbs	-169 lbs	24-35	0.84	6412 lbs	-1232 lbs	10-12	0.73	-4929 lbs	-4929 lbs
3-30	0.69	-4546 lbs	-4546 lbs	19-35	0.68	7339 lbs	-1456 lbs	1-5	0.01	202 lbs	-24 lbs
3-25	0.84	-7295 lbs	-7295 lbs	19-33	0.84	7339 lbs	-1456 lbs	11-23	0.71	-4776 lbs	-4776 lbs
25-36	0.84	-7295 lbs	-7295 lbs	20-33	0.84	6077 lbs	-1208 lbs	4-9	0.01	193 lbs	-27 lbs
7-36	0.84	-7562 lbs	-7562 lbs	20-21	0.59	4583 lbs	-894 lbs	8-20	0.34	-1099 lbs	-1099 lbs
7-34	0.84	-7389 lbs	-7389 lbs	11-21	0.59	3613 lbs	-704 lbs	33-34	0.73	-4494 lbs	-4494 lbs
8-34	0.84	-6127 lbs	-6127 lbs	4-11	0.12	0 lbs	0 lbs	7-19	0.73	-2535 lbs	-2535 lbs
8-22	0.56	-5174 lbs	-5174 lbs					35-36	0.45	3629 lbs	-933 lbs
22-23	0.84	-4980 lbs	-4980 lbs					24-28	0.73	3293 lbs	-689 lbs
9-23	0.80	-1918 lbs	-1918 lbs					25-28	0.73	3293 lbs	-689 lbs
								21-22	0.48	-3010 lbs	-3010 lbs
								14-15	0.10	1895 lbs	-323 lbs
								26-30	0.14	-920 lbs	-920 lbs
								26-29	0.02	365 lbs	-129 lbs
								16-31	0.03	627 lbs	-86 lbs
								17-32	0.04	464 lbs	-74 lbs
								12-13	0.24	4876 lbs	-942 lbs
								21-23	0.24	4703 lbs	-916 lbs
								20-22	0.09	1736 lbs	-339 lbs
								8-33	0.31	4380 lbs	-922 lbs
								19-34	0.24	3700 lbs	-727 lbs
								7-35	0.73	-2425 lbs	-2425 lbs
								24-36	0.73	-4386 lbs	-4386 lbs

TRUSS TG13 (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 (2 - 31)	TL(V): 0.8 in.	L / 462	24	L / 90
BC :	0.78 (2 - 26)	LL(V): 0.13 in.	L / 999	24	L / 90
Web :	0.57 (24 - 29)	DL(V): 0.67 in.	L / 552	24	L / 0
		Cant / OH TL: -0.03 in.	2L / 126	9	2L / 90
		Cant / OH LL: -0.03 in.	2L / 126	9	2L / 90
		Horiz TL: -0.03 in.		28	
		Web :			
		Snow/Wind -0.17 in.	L / 999	24	L / 90
		Cant (Snow/Wind) 0.03 in.	L / 124	9	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	Pin		-180 lbs	4580 lbs	0 lbs	0 lbs	-180 lbs
11	HRoll		0 lbs	4500 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (96 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-3-3	31-3-0

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 = 46.00 psf; BC Live = 0.00 psf; BC Dead = 35.00 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

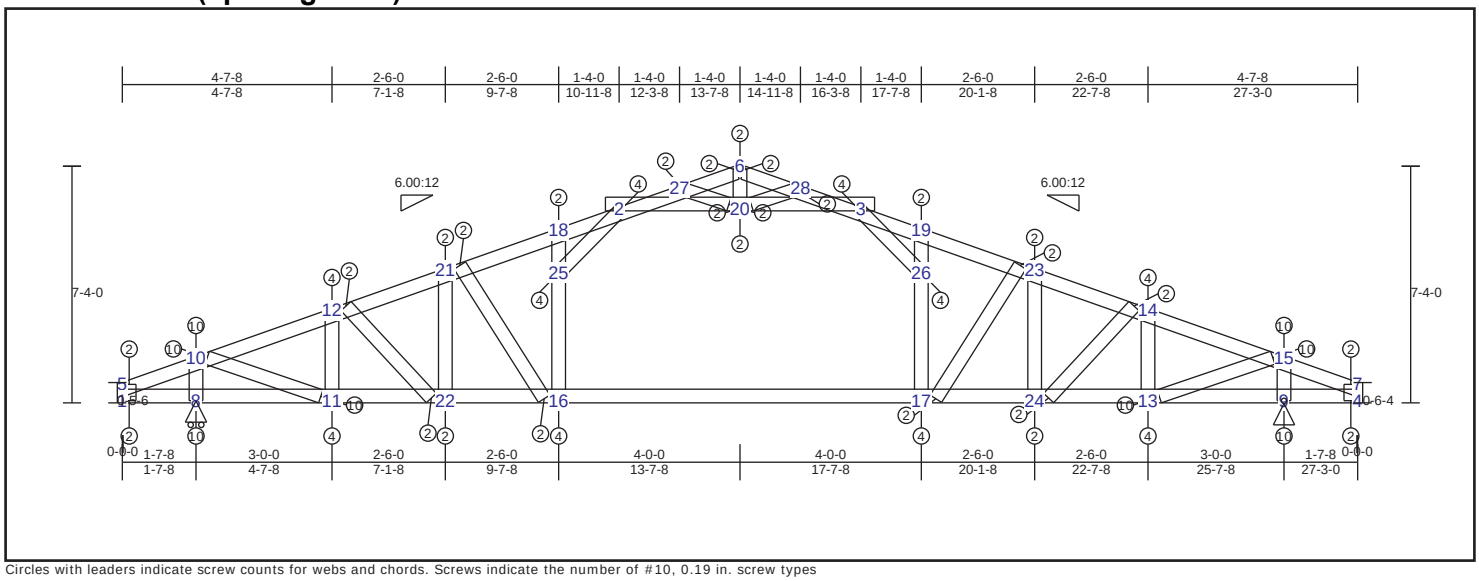
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
6-32	0.17	773 lbs	-173 lbs	1-10	0.12	180 lbs	-180 lbs	1-5	0.01	203 lbs	-25 lbs	26-32	0.13	-909 lbs	-909 lbs
3-32	0.67	-4555 lbs	-4555 lbs	10-13	0.62	3629 lbs	-873 lbs	10-12	0.57	-4934 lbs	-4934 lbs	26-31	0.02	376 lbs	-138 lbs
3-25	0.78	-7390 lbs	-7390 lbs	13-15	0.62	4573 lbs	-1027 lbs	13-14	0.50	-3212 lbs	-3212 lbs	17-34	0.04	484 lbs	-74 lbs
25-29	0.78	-7390 lbs	-7390 lbs	15-33	0.37	4806 lbs	-1027 lbs	15-16	0.31	-1079 lbs	-1079 lbs	16-33	0.03	632 lbs	-90 lbs
7-29	0.78	-9062 lbs	-9062 lbs	17-33	0.37	4843 lbs	-1019 lbs	17-27	0.09	1221 lbs	-302 lbs				
8-23	0.78	-4060 lbs	-4060 lbs	17-24	0.78	5248 lbs	-964 lbs	18-27	0.09	1221 lbs	-302 lbs				
9-23	0.78	-1922 lbs	-1922 lbs	24-30	0.78	7070 lbs	-1336 lbs	7-19	0.57	-3378 lbs	-3378 lbs				
5-12	0.78	-1984 lbs	-1984 lbs	19-30	0.78	8877 lbs	-1759 lbs	20-21	0.57	-5513 lbs	-5513 lbs				
12-14	0.78	-5045 lbs	-5045 lbs	19-20	0.78	8877 lbs	-1759 lbs	8-22	0.45	-2668 lbs	-2668 lbs				
14-16	0.56	-5474 lbs	-5474 lbs	20-22	0.78	6484 lbs	-1298 lbs	11-23	0.71	-4814 lbs	-4814 lbs				
16-34	0.59	-5738 lbs	-5738 lbs	11-22	0.48	3715 lbs	-732 lbs	4-9	0.01	221 lbs	-35 lbs				
18-34	0.66	-5738 lbs	-5738 lbs	4-11	0.14	0 lbs	0 lbs	24-28	0.57	2708 lbs	-555 lbs				
2-18	0.78	-5054 lbs	-5054 lbs	2-26	0.78	-6018 lbs	-6018 lbs	25-28	0.57	2708 lbs	-555 lbs				
2-31	0.78	-4902 lbs	-4902 lbs	3-26	0.78	-5716 lbs	-5716 lbs	6-26	0.05	-361 lbs	-361 lbs				
6-31	0.10	868 lbs	-243 lbs					2-27	0.04	-219 lbs	-219 lbs				
7-21	0.78	-8910 lbs	-8910 lbs					3-28	0.16	3116 lbs	-836 lbs				
8-21	0.78	-6517 lbs	-6517 lbs					29-30	0.25	2830 lbs	-657 lbs				
								33-34	0.51	-1073 lbs	-1073 lbs				
								12-13	0.24	4881 lbs	-932 lbs				
								14-15	0.10	1897 lbs	-327 lbs				
								19-21	0.25	5059 lbs	-1021 lbs				
								8-20	0.29	5855 lbs	-1197 lbs				
								22-23	0.23	4529 lbs	-892 lbs				
								7-30	0.57	-2466 lbs	-2466 lbs				
								24-29	0.57	-3627 lbs	-3627 lbs				

TRUSS TG14 (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 :	0.72 (2 - 27)	TL(V): 0.26 in.	L / 703	(21-18)	L / 90
BC :	0.32 (2 - 20)	LL(V): 0.03 in.	L / 999	(21-18)	L / 90
Web :	0.60 (8 - 10)	DL(V): 0.23 in.	L / 999	(16-17)	L / 0
		Cant / OH TL: 0.03 in.	2L / 999	(21-18)	2L / 90
		Cant / OH LL: 0.03 in.	2L / 999	(21-18)	2L / 90
		Horiz TL: -0.01 in.		26	
		Web :			
		Snow/Wind -0.06 in.	L / 999	17	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 954	17	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
8	HRoll		0 lbs	4000 lbs	0 lbs	0 lbs	0 lbs
9	Pin		-180 lbs	4000 lbs	0 lbs	0 lbs	-180 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (96 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-3-3	27-3-0

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 = 46.00 psf; BC Live = 0.00 psf; BC Dead = 35.00 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

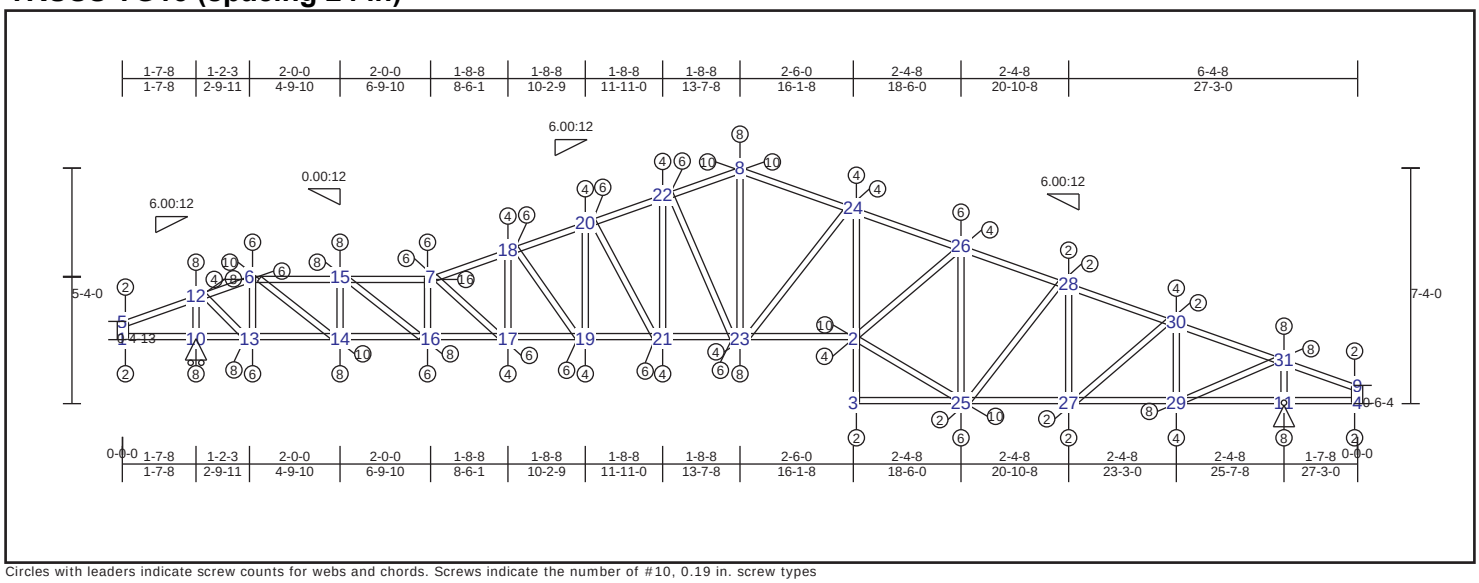
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
5-10	0.68	-1600 lbs	-1600 lbs	2-20	0.32	-3984 lbs	-3984 lbs	8-10	0.60	-4036 lbs	-4036 lbs
10-12	0.68	-4485 lbs	-4485 lbs	3-20	0.32	-3984 lbs	-3984 lbs	1-5	0.01	165 lbs	-13 lbs
12-21	0.50	-4532 lbs	-4532 lbs	1-8	0.09	0 lbs	0 lbs	13-14	0.33	-1540 lbs	-1540 lbs
18-21	0.64	-4574 lbs	-4574 lbs	8-11	0.32	3594 lbs	-401 lbs	16-25	0.07	1072 lbs	-149 lbs
2-18	0.60	-4574 lbs	-4574 lbs	11-22	0.32	3960 lbs	-409 lbs	18-25	0.16	1072 lbs	-149 lbs
2-27	0.72	-3612 lbs	-3612 lbs	16-22	0.25	3960 lbs	-409 lbs	17-26	0.33	1072 lbs	-149 lbs
6-27	0.15	273 lbs	-105 lbs	16-17	0.32	3717 lbs	-414 lbs	19-26	0.33	1072 lbs	-149 lbs
6-28	0.14	273 lbs	-106 lbs	17-24	0.25	3960 lbs	-517 lbs	6-20	0.01	-99 lbs	-99 lbs
3-28	0.72	-3612 lbs	-3612 lbs	13-24	0.32	3960 lbs	-517 lbs	3-26	0.05	983 lbs	-249 lbs
3-19	0.60	-4574 lbs	-4574 lbs	9-13	0.32	3594 lbs	-508 lbs	2-25	0.05	983 lbs	-249 lbs
19-23	0.64	-4574 lbs	-4574 lbs	4-9	0.11	-180 lbs	-180 lbs	23-24	0.16	-381 lbs	-381 lbs
14-23	0.50	-4532 lbs	-4532 lbs					21-22	0.16	-382 lbs	-382 lbs
14-15	0.68	-4485 lbs	-4485 lbs					4-7	0.01	165 lbs	-13 lbs
7-15	0.68	-1600 lbs	-1600 lbs					9-15	0.60	-4036 lbs	-4036 lbs
								11-12	0.33	-1540 lbs	-1540 lbs
								10-11	0.20	3989 lbs	-445 lbs
								13-15	0.20	3989 lbs	-444 lbs
								14-24	0.03	668 lbs	-57 lbs
								17-23	0.32	-595 lbs	-595 lbs
								16-21	0.32	-595 lbs	-595 lbs
								12-22	0.03	668 lbs	-58 lbs
								20-28	0.04	-284 lbs	-284 lbs
								20-27	0.04	-284 lbs	-284 lbs

TRUSS TG15 (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 :	0.85 (6 - 15)	TL(V): 0.13 in.	L / 711	20	L / 90
BC :	0.76 (13 - 14)	LL(V): 0.08 in.	L / 999	20	L / 90
Web :	0.72 (2 - 24)	DL(V): 0.04 in.	L / 999	(17-19)	L / 0
		Cant / OH TL: 0.07 in.	2L / 0	(3-25)	2L / 90
		Cant / OH LL: 0.07 in.	2L / 0	(3-25)	2L / 90
		Horiz TL: -0.03 in.		24	
		Web :			
		Snow/Wind -0.09 in.	L / 999	(17-19)	L / 90
		Cant (Snow/Wind) -0.08 in.	L / 248	(24-26)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	HRoll		0 lbs	1310 lbs	0 lbs	-600 lbs	0 lbs
11	Pin		-320 lbs	1330 lbs	0 lbs	-640 lbs	-320 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-4-3	27-3-0

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

Material Design Pass

Member Forces Summary

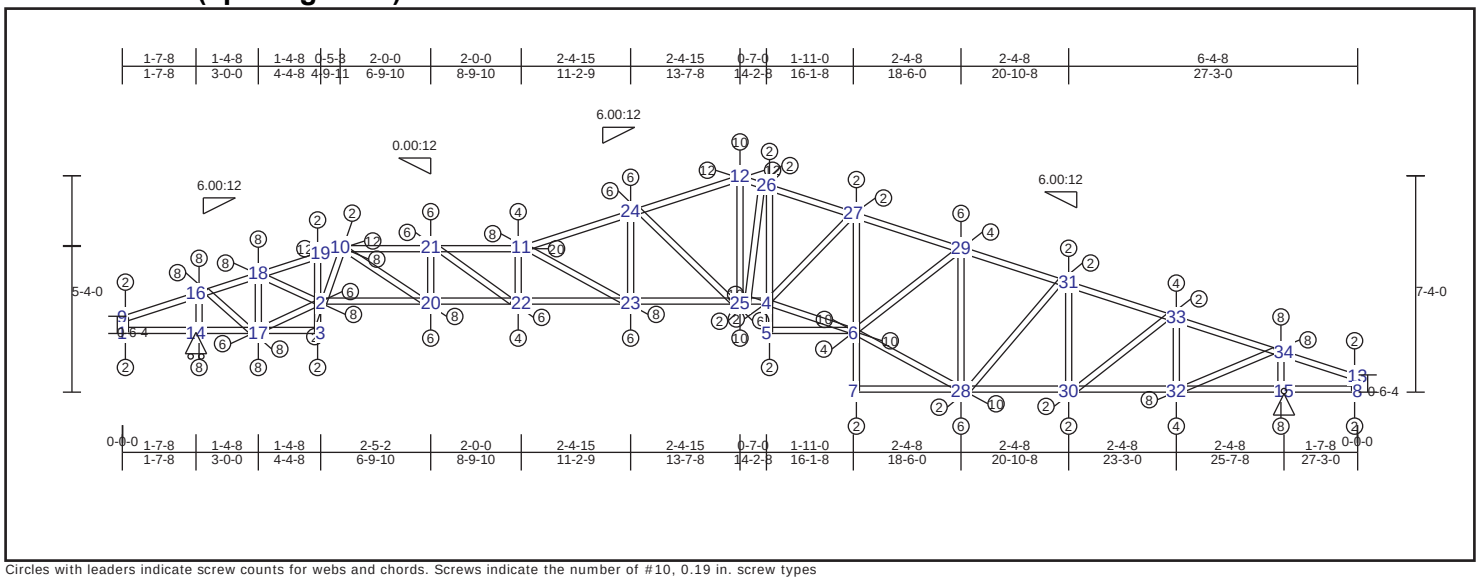
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
5-12	0.77	-553 lbs	-553 lbs	1-10	0.09	0 lbs	0 lbs
6-12	0.76	-712 lbs	-712 lbs	10-13	0.57	645 lbs	-307 lbs
8-24	0.67	-1637 lbs	-1637 lbs	13-14	0.76	1727 lbs	-841 lbs
24-26	0.59	-1930 lbs	-1930 lbs	14-16	0.76	2537 lbs	-1217 lbs
26-28	0.56	-1930 lbs	-1930 lbs	16-17	0.51	2537 lbs	-1217 lbs
28-30	0.54	-1442 lbs	-1442 lbs	17-19	0.52	2090 lbs	-997 lbs
30-31	0.67	-1364 lbs	-1364 lbs	19-21	0.52	1755 lbs	-840 lbs
9-31	0.78	-537 lbs	-537 lbs	21-23	0.69	1482 lbs	-717 lbs
6-15	0.85	-1780 lbs	-1780 lbs	2-23	0.69	1594 lbs	-876 lbs
7-15	0.85	-2605 lbs	-2605 lbs	3-25	0.20	1181 lbs	-699 lbs
7-18	0.75	-2624 lbs	-2624 lbs	25-27	0.20	1197 lbs	-761 lbs
18-20	0.71	-2127 lbs	-2127 lbs	27-29	0.39	1197 lbs	-761 lbs
20-22	0.65	-1837 lbs	-1837 lbs	11-29	0.39	999 lbs	-719 lbs
8-22	0.55	-1596 lbs	-1596 lbs	4-11	0.10	-315 lbs	-315 lbs

Web			
1-5	0.00	22 lbs	-3 lbs
10-12	0.26	-1345 lbs	-1345 lbs
6-13	0.18	-934 lbs	-934 lbs
14-15	0.24	-1193 lbs	-1193 lbs
7-16	0.16	-787 lbs	-787 lbs
17-18	0.08	677 lbs	-305 lbs
19-20	0.09	704 lbs	-327 lbs
21-22	0.10	689 lbs	-370 lbs
8-23	0.24	1298 lbs	-726 lbs
2-3	0.67	1008 lbs	-578 lbs
2-24	0.72	1008 lbs	-578 lbs
25-26	0.28	-932 lbs	-932 lbs
27-28	0.04	-183 lbs	-183 lbs
29-30	0.13	-606 lbs	-606 lbs
11-31	0.25	-1316 lbs	-1316 lbs
4-9	0.00	15 lbs	-1 lbs
2-26	0.08	633 lbs	-270 lbs
2-25	0.21	1554 lbs	-919 lbs
6-14	0.20	1618 lbs	-798 lbs
15-16	0.15	1212 lbs	-563 lbs
7-17	0.15	-728 lbs	-728 lbs
18-19	0.17	-755 lbs	-755 lbs
20-21	0.20	-774 lbs	-774 lbs
22-23	0.21	-720 lbs	-720 lbs
25-28	0.02	127 lbs	-50 lbs

Web			
27-30	0.04	311 lbs	-95 lbs
29-31	0.14	1183 lbs	-486 lbs
12-13	0.14	1125 lbs	-536 lbs
23-24	0.19	-666 lbs	-666 lbs

TRUSS TG16 (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 :	0.98 (11 - 24)	TL(V): 0.16 in.	L / 748	(22-23)	L / 90
BC :	0.98 (20 - 22)	LL(V): 0.11 in.	L / 999	(22-23)	L / 90
Web :	0.43 (4 - 26)	DL(V): 0.05 in.	L / 999	(22-23)	L / 0
		Cant / OH TL: 0.1 in.	2L / 164	(26-27)	2L / 90
		Cant / OH LL: 0.1 in.	2L / 164	(26-27)	2L / 90
		Horiz TL: -0.06 in.		1	
		Web :			
		Snow/Wind -0.11 in.	L / 999	(26-27)	L / 90
		Cant (Snow/Wind) -0.11 in.	L / 150	(26-27)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
14	HRoll		0 lbs	1320 lbs	0 lbs	-730 lbs	0 lbs
15	Pin		-320 lbs	1320 lbs	0 lbs	-690 lbs	-320 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-4-3	27-3-0

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

Material Design Pass

Member Forces Summary

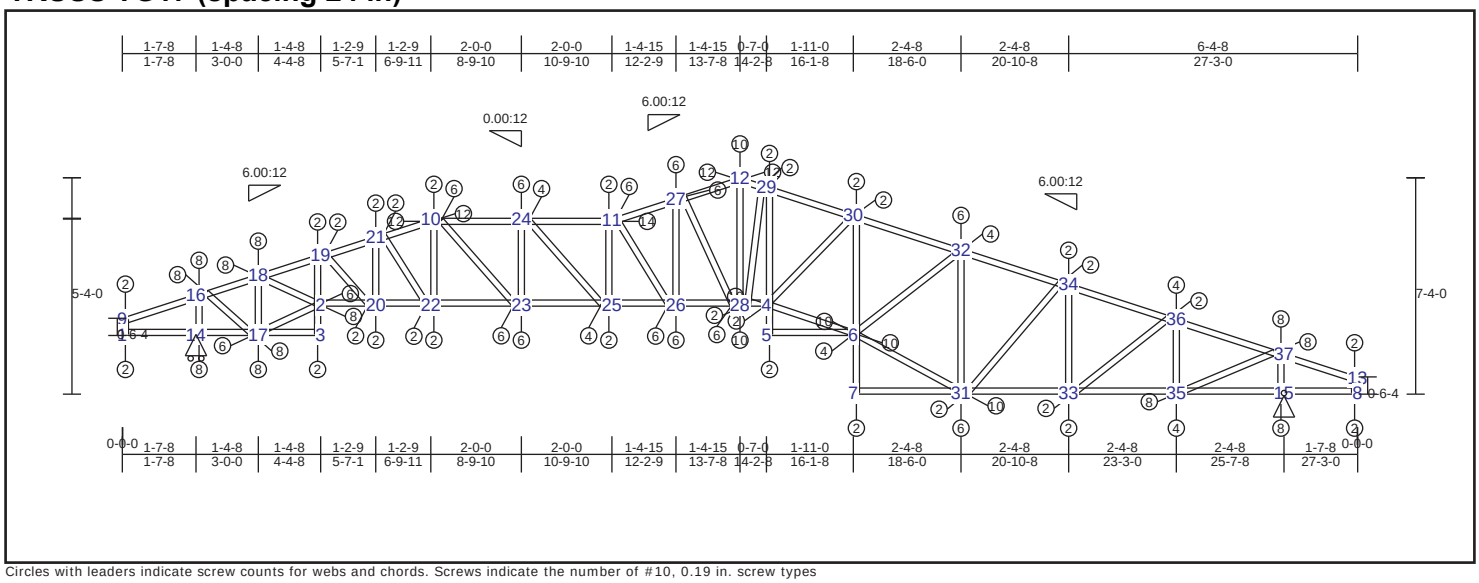
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
10-21	0.83	-2554 lbs	-2554 lbs	2-20	0.59	2514 lbs	-1092 lbs
11-21	0.83	-3177 lbs	-3177 lbs	20-22	0.98	3139 lbs	-1409 lbs
11-24	0.98	-3037 lbs	-3037 lbs	22-23	0.57	3139 lbs	-1409 lbs
12-24	0.83	-2075 lbs	-2075 lbs	23-25	0.98	2153 lbs	-951 lbs
9-16	0.42	62 lbs	-1 lbs	4-25	0.98	1626 lbs	-723 lbs
16-18	0.79	-1875 lbs	-1875 lbs	1-14	0.29	0 lbs	0 lbs
18-19	0.40	-1883 lbs	-1883 lbs	14-17	0.59	655 lbs	-193 lbs
10-19	0.37	-1883 lbs	-1883 lbs	3-17	0.59	655 lbs	-193 lbs
12-26	0.71	-1844 lbs	-1844 lbs	5-6	0.52	1634 lbs	-823 lbs
26-27	0.79	-1962 lbs	-1962 lbs	7-28	0.20	1195 lbs	-653 lbs
27-29	0.61	-1964 lbs	-1964 lbs	28-30	0.20	1211 lbs	-714 lbs
29-31	0.47	-1907 lbs	-1907 lbs	30-32	0.40	1211 lbs	-714 lbs
31-33	0.52	-1408 lbs	-1408 lbs	15-32	0.40	1000 lbs	-656 lbs
33-34	0.78	-1318 lbs	-1318 lbs	8-15	0.31	0 lbs	0 lbs
13-34	0.44	63 lbs	-1 lbs				

Web			
1-9	0.01	54 lbs	-3 lbs
17-18	0.27	-1360 lbs	-1360 lbs
2-3	0.37	530 lbs	-157 lbs
2-19	0.43	530 lbs	-157 lbs
20-21	0.18	-901 lbs	-901 lbs
11-22	0.11	-563 lbs	-563 lbs
23-24	0.10	850 lbs	-339 lbs
12-25	0.21	1479 lbs	-795 lbs
4-5	0.43	788 lbs	-372 lbs
4-26	0.43	788 lbs	-372 lbs
6-7	0.67	1008 lbs	-534 lbs
6-27	0.87	1008 lbs	-534 lbs
28-29	0.28	-931 lbs	-931 lbs
30-31	0.05	-197 lbs	-197 lbs
32-33	0.13	-621 lbs	-621 lbs
8-13	0.01	56 lbs	-2 lbs
14-16	0.26	-1338 lbs	-1338 lbs
15-34	0.25	-1301 lbs	-1301 lbs
2-10	0.01	86 lbs	-74 lbs
2-17	0.10	794 lbs	-229 lbs
2-18	0.14	1165 lbs	-509 lbs
6-28	0.19	1555 lbs	-849 lbs
4-6	0.21	1690 lbs	-820 lbs
4-27	0.02	181 lbs	-64 lbs
6-29	0.08	682 lbs	-263 lbs

Web			
16-17	0.14	1112 lbs	-327 lbs
10-20	0.15	1228 lbs	-649 lbs
21-22	0.11	934 lbs	-474 lbs
11-23	0.28	-1292 lbs	-1292 lbs
24-25	0.23	-946 lbs	-946 lbs
28-31	0.02	125 lbs	-49 lbs
30-33	0.04	332 lbs	-139 lbs
32-34	0.14	1148 lbs	-441 lbs
25-26	0.01	57 lbs	-20 lbs

TRUSS TG17 (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 (10 - 24)	TL(V): 0.13 in.	L / 932	(25-26)	L / 90
BC :	0.64 (26 - 28)	LL(V): 0.09 in.	L / 999	(25-26)	L / 90
Web :	0.87 (4 - 29)	DL(V): 0.04 in.	L / 999	(25-26)	L / 0
		Cant / OH TL: 0.09 in.	2L / 193	(29-30)	2L / 90
		Cant / OH LL: 0.09 in.	2L / 193	(29-30)	2L / 90
		Horiz TL: -0.05 in.		1	
		Web :			
		Snow/Wind -0.1 in.	L / 999	(29-30)	L / 90
		Cant (Snow/Wind) -0.1 in.	L / 172	(29-30)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
14	HRoll		0 lbs	1320 lbs	0 lbs	-730 lbs	0 lbs
15	Pin		-300 lbs	1320 lbs	0 lbs	-690 lbs	-300 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-4-3	27-3-0

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

Material Design Pass

Member Forces Summary

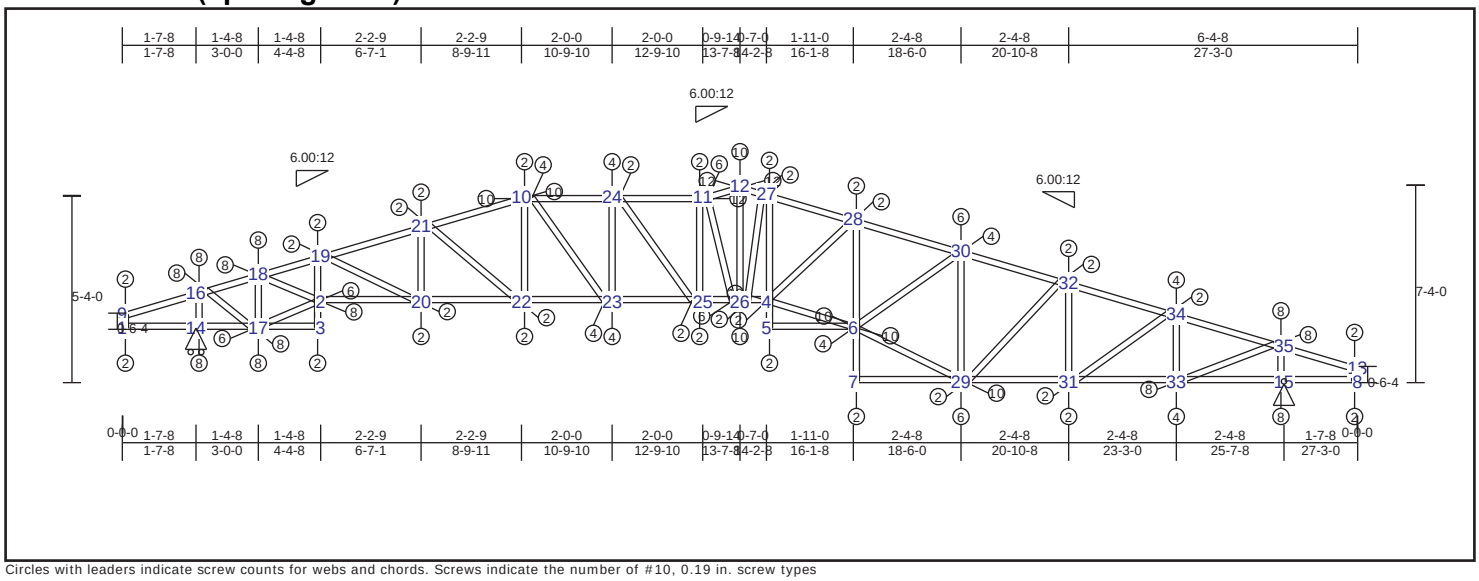
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
10-24	0.82	-2062 lbs	-2062 lbs	2-20	0.16	1649 lbs	-646 lbs
11-24	0.78	-2320 lbs	-2320 lbs	20-22	0.20	1649 lbs	-646 lbs
11-27	0.82	-2251 lbs	-2251 lbs	22-23	0.48	2004 lbs	-890 lbs
12-27	0.64	-1948 lbs	-1948 lbs	23-25	0.50	2262 lbs	-1047 lbs
9-16	0.42	62 lbs	-1 lbs	25-26	0.64	2262 lbs	-1047 lbs
16-18	0.79	-1874 lbs	-1874 lbs	26-28	0.64	1877 lbs	-866 lbs
18-19	0.38	-1913 lbs	-1913 lbs	4-28	0.64	1628 lbs	-760 lbs
19-21	0.46	-1913 lbs	-1913 lbs	5-6	0.52	1629 lbs	-850 lbs
10-21	0.39	-1864 lbs	-1864 lbs	1-14	0.29	0 lbs	0 lbs
12-29	0.67	-1858 lbs	-1858 lbs	14-17	0.59	654 lbs	-190 lbs
29-30	0.75	-1963 lbs	-1963 lbs	3-17	0.59	654 lbs	-190 lbs
30-32	0.60	-1964 lbs	-1964 lbs	7-31	0.20	1192 lbs	-671 lbs
32-34	0.48	-1906 lbs	-1906 lbs	31-33	0.20	1208 lbs	-731 lbs
34-36	0.52	-1408 lbs	-1408 lbs	33-35	0.40	1208 lbs	-731 lbs
36-37	0.78	-1319 lbs	-1319 lbs	15-35	0.40	997 lbs	-672 lbs
13-37	0.44	63 lbs	-1 lbs	8-15	0.31	0 lbs	0 lbs

Web			
1-9	0.01	54 lbs	-3 lbs
17-18	0.27	-1354 lbs	-1354 lbs
2-3	0.37	525 lbs	-154 lbs
2-19	0.45	525 lbs	-154 lbs
20-21	0.01	-55 lbs	-55 lbs
10-22	0.02	119 lbs	-100 lbs
23-24	0.16	-748 lbs	-748 lbs
11-25	0.06	-290 lbs	-290 lbs
26-27	0.11	920 lbs	-395 lbs
12-28	0.23	1548 lbs	-854 lbs
4-5	0.87	790 lbs	-389 lbs
4-29	0.87	790 lbs	-389 lbs
6-7	0.67	1005 lbs	-549 lbs
6-30	0.87	1005 lbs	-549 lbs
31-32	0.28	-929 lbs	-929 lbs
33-34	0.05	-197 lbs	-197 lbs
35-36	0.13	-621 lbs	-621 lbs
8-13	0.01	56 lbs	-2 lbs
15-37	0.25	-1301 lbs	-1301 lbs
14-16	0.26	-1338 lbs	-1338 lbs
2-18	0.14	1168 lbs	-510 lbs
2-17	0.10	787 lbs	-224 lbs
4-6	0.21	1697 lbs	-858 lbs
6-31	0.20	1551 lbs	-873 lbs
6-32	0.08	679 lbs	-277 lbs

Web			
16-17	0.14	1107 lbs	-323 lbs
19-20	0.01	91 lbs	-53 lbs
21-22	0.07	-281 lbs	-281 lbs
10-23	0.09	510 lbs	-358 lbs
24-25	0.05	221 lbs	-181 lbs
29-32	0.01	114 lbs	-52 lbs
31-34	0.04	332 lbs	-128 lbs
33-35	0.14	1148 lbs	-478 lbs
26-27	0.01	46 lbs	-10 lbs
11-26	0.20	-773 lbs	-773 lbs

TRUSS TG18 (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 (10 - 24)	TL(V): 0.11 in.	L / 999	(27-28)	L / 90
BC :	0.59 (25 - 26)	LL(V): 0.07 in.	L / 999	(27-28)	L / 90
Web :	0.87 (4 - 27)	DL(V): 0.04 in.	L / 999	(27-28)	L / 0
		Cant / OH TL: 0.07 in.	2L / 222	(27-28)	2L / 90
		Cant / OH LL: 0.07 in.	2L / 222	(27-28)	2L / 90
		Horiz TL: -0.04 in.		1	
		Web :			
		Snow/Wind -0.09 in.	L / 999	(27-28)	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 194	(27-28)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
14	HRoll		0 lbs	1320 lbs	0 lbs	-700 lbs	0 lbs
15	Pin		-220 lbs	1320 lbs	0 lbs	-720 lbs	-220 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-4-3	27-3-0

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

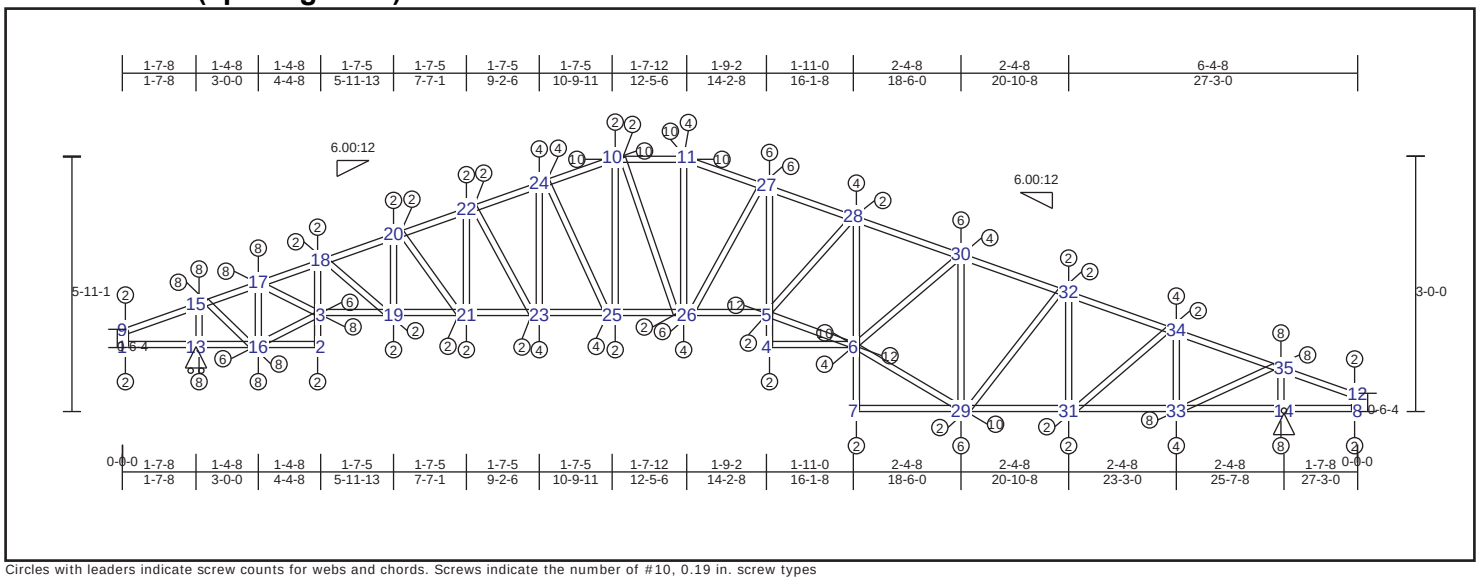
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
10-24	0.83	-1730 lbs	-1730 lbs	2-20	0.24	1658 lbs	-597 lbs	1-9	0.01	54 lbs	-3 lbs
11-24	0.59	-1815 lbs	-1815 lbs	20-22	0.24	1619 lbs	-597 lbs	17-18	0.27	-1355 lbs	-1355 lbs
11-12	0.62	-1960 lbs	-1960 lbs	22-23	0.34	1655 lbs	-687 lbs	2-3	0.37	529 lbs	-152 lbs
9-16	0.42	62 lbs	-1 lbs	23-25	0.28	1740 lbs	-757 lbs	2-19	0.43	529 lbs	-152 lbs
16-18	0.79	-1884 lbs	-1884 lbs	25-26	0.59	1740 lbs	-757 lbs	20-21	0.01	82 lbs	-47 lbs
18-19	0.44	-1920 lbs	-1920 lbs	4-26	0.59	1631 lbs	-709 lbs	10-22	0.04	237 lbs	-165 lbs
19-21	0.51	-1920 lbs	-1920 lbs	5-6	0.52	1628 lbs	-799 lbs	23-24	0.12	-467 lbs	-467 lbs
10-21	0.54	-1793 lbs	-1793 lbs	1-14	0.30	0 lbs	0 lbs	11-25	0.07	-296 lbs	-296 lbs
12-27	0.65	-1868 lbs	-1868 lbs	14-17	0.59	652 lbs	-190 lbs	12-26	0.25	1615 lbs	-917 lbs
27-28	0.72	-1963 lbs	-1963 lbs	3-17	0.59	652 lbs	-190 lbs	4-5	0.87	793 lbs	-367 lbs
28-30	0.60	-1964 lbs	-1964 lbs	7-29	0.20	1191 lbs	-635 lbs	4-27	0.87	793 lbs	-367 lbs
30-32	0.48	-1904 lbs	-1904 lbs	29-31	0.20	1208 lbs	-690 lbs	6-7	0.67	1005 lbs	-518 lbs
32-34	0.52	-1408 lbs	-1408 lbs	31-33	0.40	1208 lbs	-690 lbs	6-28	0.87	1005 lbs	-518 lbs
34-35	0.78	-1318 lbs	-1318 lbs	15-33	0.40	997 lbs	-621 lbs	29-30	0.28	-928 lbs	-928 lbs
13-35	0.44	64 lbs	-1 lbs	8-15	0.31	0 lbs	0 lbs	31-32	0.05	-197 lbs	-197 lbs
								33-34	0.13	-621 lbs	-621 lbs
								8-13	0.01	56 lbs	-2 lbs
								15-35	0.25	-1300 lbs	-1300 lbs
								14-16	0.26	-1339 lbs	-1339 lbs
								2-18	0.15	1188 lbs	-483 lbs
								2-17	0.10	793 lbs	-228 lbs
								4-6	0.21	1703 lbs	-810 lbs
								4-28	0.02	169 lbs	-47 lbs
								6-29	0.19	1550 lbs	-825 lbs
								6-30	0.08	678 lbs	-254 lbs

TRUSS TG19 (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 :	0.79 (15 - 17)	TL(V): 0.11 in.	L / 999	(26-5)	L / 90
BC :	0.63 (25 - 26)	LL(V): 0.07 in.	L / 999	(26-5)	L / 90
Web :	0.96 (5 - 27)	DL(V): 0.04 in.	L / 999	(26-5)	L / 0
		Cant / OH TL: 0.07 in.	2L / 292	(26-5)	2L / 90
		Cant / OH LL: 0.07 in.	2L / 292	(26-5)	2L / 90
		Horiz TL: -0.04 in.		1	
		Web :			
		Snow/Wind -0.08 in.	L / 999	(26-5)	L / 90
		Cant (Snow/Wind) -0.08 in.	L / 269	(26-5)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
13	HRoll		0 lbs	1320 lbs	0 lbs	-680 lbs	0 lbs
14	Pin		-240 lbs	1320 lbs	0 lbs	-710 lbs	-240 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-11-9	27-3-0

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

Material Design Pass

Member Forces Summary

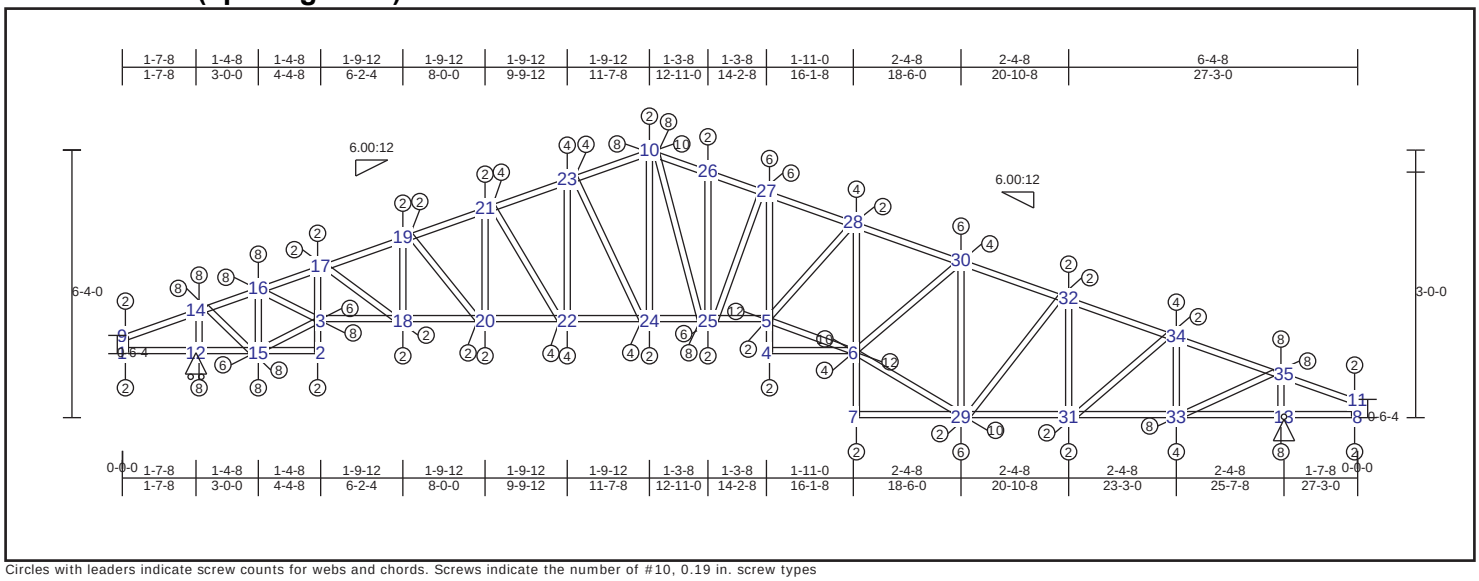
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
10-11	0.67	-1455 lbs	-1455 lbs	4-6	0.60	1628 lbs	-789 lbs
9-15	0.42	63 lbs	-1 lbs	1-13	0.30	0 lbs	0 lbs
15-17	0.79	-1881 lbs	-1881 lbs	13-16	0.59	655 lbs	-204 lbs
17-18	0.40	-1917 lbs	-1917 lbs	2-16	0.59	655 lbs	-204 lbs
18-20	0.47	-1917 lbs	-1917 lbs	7-29	0.20	1193 lbs	-631 lbs
20-22	0.46	-1840 lbs	-1840 lbs	29-31	0.20	1209 lbs	-688 lbs
22-24	0.47	-1720 lbs	-1720 lbs	31-33	0.40	1209 lbs	-688 lbs
10-24	0.45	-1574 lbs	-1574 lbs	14-33	0.40	998 lbs	-624 lbs
11-27	0.68	-1667 lbs	-1667 lbs	8-14	0.31	0 lbs	0 lbs
27-28	0.69	-2007 lbs	-2007 lbs	3-19	0.22	1649 lbs	-562 lbs
28-30	0.59	-2007 lbs	-2007 lbs	19-21	0.26	1646 lbs	-562 lbs
30-32	0.48	-1906 lbs	-1906 lbs	21-23	0.30	1551 lbs	-541 lbs
32-34	0.52	-1409 lbs	-1409 lbs	23-25	0.30	1428 lbs	-501 lbs
34-35	0.78	-1320 lbs	-1320 lbs	25-26	0.63	1363 lbs	-518 lbs
12-35	0.44	63 lbs	-1 lbs	5-26	0.58	1686 lbs	-737 lbs

Web			
1-9	0.01	55 lbs	-3 lbs
16-17	0.27	-1358 lbs	-1358 lbs
2-3	0.37	528 lbs	-162 lbs
3-18	0.44	528 lbs	-162 lbs
19-20	0.01	58 lbs	-47 lbs
21-22	0.04	220 lbs	-155 lbs
23-24	0.06	361 lbs	-245 lbs
10-25	0.08	327 lbs	-268 lbs
11-26	0.09	606 lbs	-304 lbs
4-5	0.93	873 lbs	-413 lbs
5-27	0.96	873 lbs	-518 lbs
6-7	0.68	1005 lbs	-514 lbs
6-28	0.91	1005 lbs	-514 lbs
29-30	0.28	-929 lbs	-929 lbs
31-32	0.05	-197 lbs	-197 lbs
33-34	0.13	-621 lbs	-621 lbs
8-12	0.01	56 lbs	-2 lbs
13-15	0.26	-1341 lbs	-1341 lbs
14-35	0.25	-1301 lbs	-1301 lbs
3-17	0.14	1176 lbs	-454 lbs
3-16	0.10	791 lbs	-243 lbs
5-28	0.02	150 lbs	-14 lbs
5-6	0.23	1880 lbs	-913 lbs
6-29	0.19	1550 lbs	-818 lbs
6-30	0.08	676 lbs	-245 lbs

Web			
15-16	0.14	1111 lbs	-346 lbs
18-19	0.01	62 lbs	-37 lbs
20-21	0.05	-209 lbs	-209 lbs
22-23	0.08	-345 lbs	-345 lbs
24-25	0.12	-438 lbs	-438 lbs
29-32	0.01	118 lbs	-51 lbs
31-34	0.04	332 lbs	-135 lbs
33-35	0.14	1149 lbs	-463 lbs
26-27	0.24	-892 lbs	-892 lbs
10-26	0.09	299 lbs	-277 lbs

TRUSS TG20 (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 :	0.79 (10 - 26)	TL(V): 0.12 in.	L / 988	(25-5)	L / 90
BC :	0.91 (24 - 25)	LL(V): 0.08 in.	L / 999	(25-5)	L / 90
Web :	0.98 (5 - 27)	DL(V): 0.04 in.	L / 999	(25-5)	L / 0
		Cant / OH TL: 0.08 in.	2L / 179	(25-5)	2L / 90
		Cant / OH LL: 0.08 in.	2L / 179	(25-5)	2L / 90
		Horiz TL: -0.05 in.		1	
		Web :			
		Snow/Wind -0.09 in.	L / 999	(25-5)	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 161	(25-5)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
12	HRoll		0 lbs	1320 lbs	0 lbs	-670 lbs	0 lbs
13	Pin		-250 lbs	1320 lbs	0 lbs	-690 lbs	-250 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-4-3	27-3-0

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

Material Design Pass

Member Forces Summary

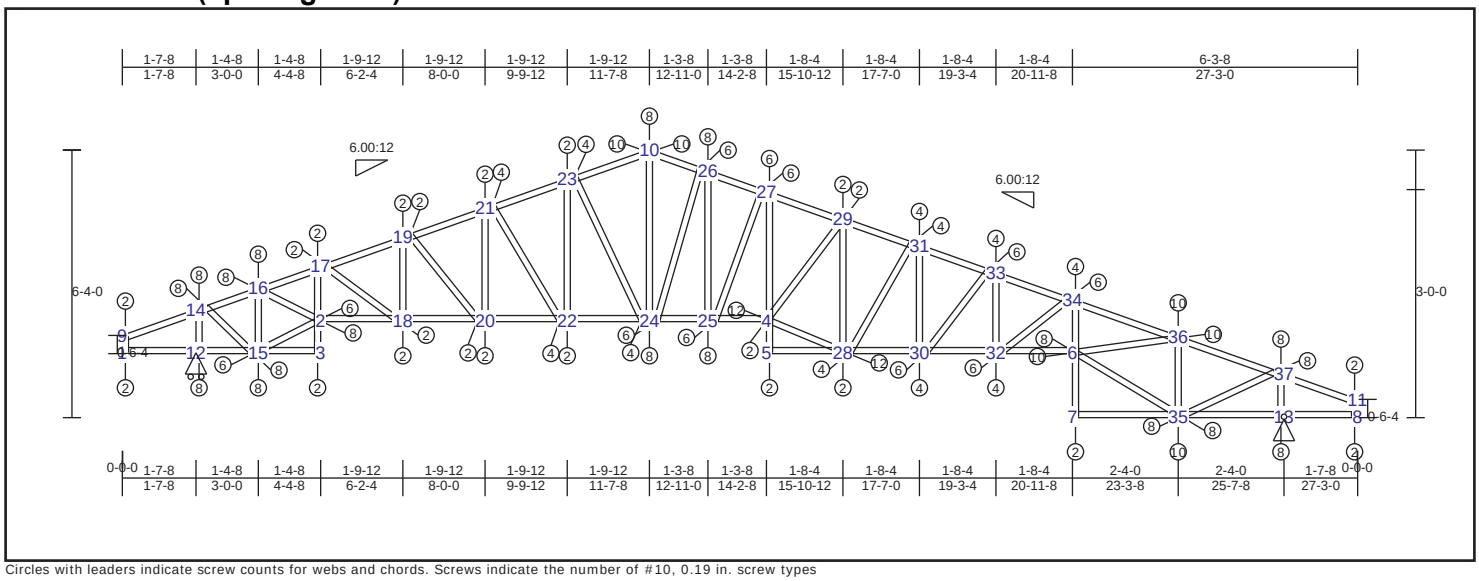
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
10-26	0.79	-1805 lbs	-1805 lbs	4-6	0.60	1630 lbs	-775 lbs
26-27	0.71	-1805 lbs	-1805 lbs	1-12	0.31	0 lbs	0 lbs
27-28	0.71	-2006 lbs	-2006 lbs	12-15	0.59	655 lbs	-209 lbs
28-30	0.59	-2006 lbs	-2006 lbs	2-15	0.59	655 lbs	-209 lbs
30-32	0.48	-1908 lbs	-1908 lbs	7-29	0.20	1194 lbs	-623 lbs
32-34	0.52	-1411 lbs	-1411 lbs	29-31	0.20	1210 lbs	-682 lbs
34-35	0.78	-1321 lbs	-1321 lbs	31-33	0.40	1210 lbs	-682 lbs
11-35	0.44	63 lbs	-1 lbs	13-33	0.40	998 lbs	-622 lbs
9-14	0.42	63 lbs	-1 lbs	8-13	0.31	0 lbs	0 lbs
14-16	0.79	-1885 lbs	-1885 lbs	3-18	0.23	1654 lbs	-568 lbs
16-17	0.41	-1921 lbs	-1921 lbs	18-20	0.27	1641 lbs	-543 lbs
17-19	0.48	-1921 lbs	-1921 lbs	20-22	0.29	1526 lbs	-514 lbs
19-21	0.49	-1829 lbs	-1829 lbs	22-24	0.33	1381 lbs	-465 lbs
21-23	0.49	-1673 lbs	-1673 lbs	24-25	0.91	1446 lbs	-556 lbs
10-23	0.48	-1516 lbs	-1516 lbs	5-25	0.63	1684 lbs	-716 lbs

Web			
1-9	0.01	55 lbs	-3 lbs
15-16	0.27	-1359 lbs	-1359 lbs
2-3	0.37	529 lbs	-167 lbs
3-17	0.44	529 lbs	-167 lbs
18-19	0.01	65 lbs	-45 lbs
20-21	0.04	240 lbs	-162 lbs
22-23	0.07	376 lbs	-255 lbs
10-24	0.09	319 lbs	-277 lbs
25-26	0.05	-186 lbs	-186 lbs
4-5	0.92	869 lbs	-404 lbs
5-27	0.98	888 lbs	-571 lbs
6-7	0.68	1006 lbs	-507 lbs
6-28	0.91	1006 lbs	-507 lbs
29-30	0.28	-930 lbs	-930 lbs
31-32	0.05	-197 lbs	-197 lbs
33-34	0.13	-622 lbs	-622 lbs
8-11	0.01	56 lbs	-2 lbs
13-35	0.25	-1302 lbs	-1302 lbs
12-14	0.26	-1342 lbs	-1342 lbs
6-30	0.08	677 lbs	-236 lbs
6-29	0.19	1551 lbs	-808 lbs
3-15	0.10	793 lbs	-250 lbs
3-16	0.14	1182 lbs	-443 lbs
5-6	0.23	1871 lbs	-892 lbs
5-28	0.02	152 lbs	-15 lbs

Web			
14-15	0.14	1112 lbs	-354 lbs
17-18	0.01	68 lbs	-32 lbs
19-20	0.05	-234 lbs	-234 lbs
21-22	0.09	-375 lbs	-375 lbs
23-24	0.14	-475 lbs	-475 lbs
10-25	0.26	1181 lbs	-795 lbs
29-32	0.01	122 lbs	-51 lbs
31-34	0.04	333 lbs	-141 lbs
33-35	0.14	1150 lbs	-448 lbs
25-27	0.25	-966 lbs	-966 lbs

TRUSS TG21 (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 :	0.84 (33 - 34)	TL(V): 0.15 in.	L / 999	(27-29)	L / 90
BC :	0.66 (22 - 24)	LL(V): 0.1 in.	L / 999	(27-29)	L / 90
Web :	0.44 (6 - 34)	DL(V): 0.05 in.	L / 999	(27-29)	L / 0
		Cant / OH TL: 0.1 in.	2L / 199	(27-29)	2L / 90
		Cant / OH LL: 0.1 in.	2L / 199	(27-29)	2L / 90
		Horiz TL: -0.07 in.		1	
		Web :			
		Snow/Wind -0.11 in.	L / 999	(27-29)	L / 90
		Cant (Snow/Wind) -0.11 in.	L / 173	(27-29)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
12	HRoll		0 lbs	1320 lbs	0 lbs	-670 lbs	0 lbs
13	Pin		-250 lbs	1320 lbs	0 lbs	-690 lbs	-250 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-4-2	27-3-0

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

Material Design Pass

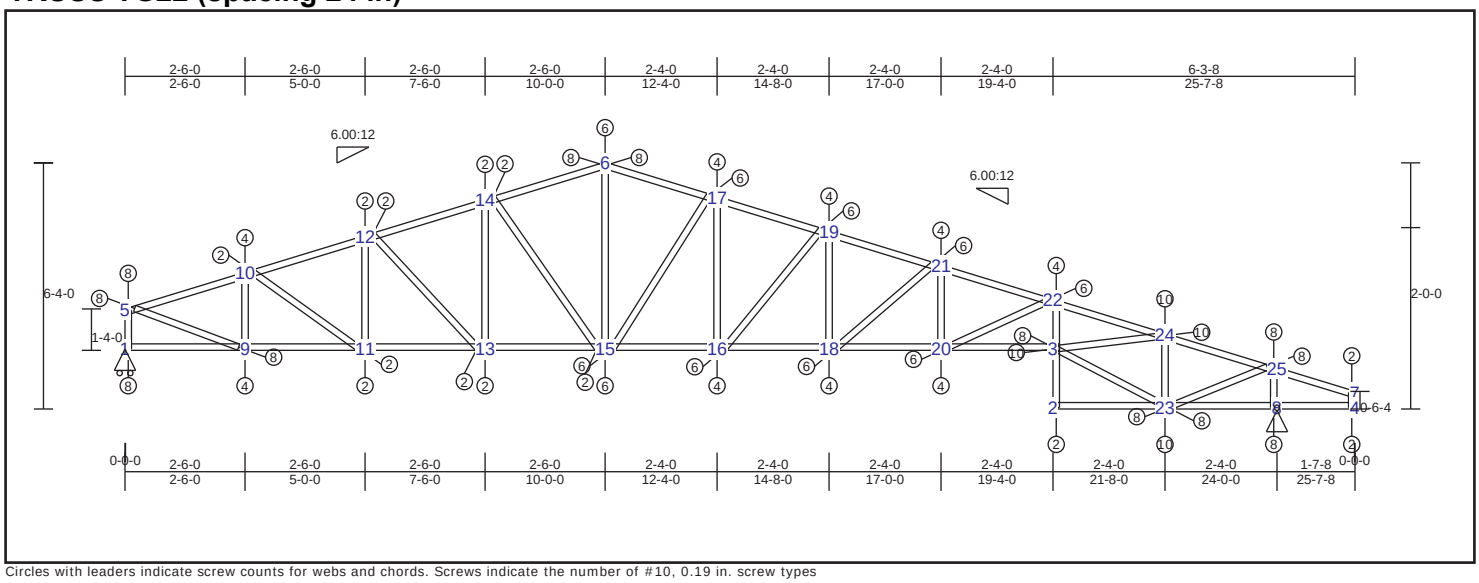
Member Forces Summary

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

Top Chord				Bot Chord				Web			
10-26	0.58	-1540 lbs	-1540 lbs	2-18	0.22	1654 lbs	-568 lbs	1-9	0.01	55 lbs	-3 lbs
26-27	0.78	-1798 lbs	-1798 lbs	18-20	0.28	1641 lbs	-544 lbs	15-16	0.27	-1360 lbs	-1360 lbs
27-29	0.64	-2002 lbs	-2002 lbs	20-22	0.28	1526 lbs	-514 lbs	2-3	0.37	529 lbs	-167 lbs
29-31	0.59	-2002 lbs	-2002 lbs	22-24	0.66	1378 lbs	-463 lbs	2-17	0.44	529 lbs	-167 lbs
31-33	0.72	-2223 lbs	-2223 lbs	24-25	0.66	1446 lbs	-557 lbs	18-19	0.01	63 lbs	-45 lbs
33-34	0.84	-2778 lbs	-2778 lbs	4-25	0.66	1683 lbs	-716 lbs	20-21	0.04	252 lbs	-166 lbs
34-36	0.83	-3033 lbs	-3033 lbs	5-28	0.46	1611 lbs	-757 lbs	22-23	0.07	326 lbs	-239 lbs
36-37	0.79	-1694 lbs	-1694 lbs	28-30	0.42	1864 lbs	-936 lbs	10-24	0.24	1307 lbs	-721 lbs
11-37	0.44	63 lbs	-1 lbs	30-32	0.59	2226 lbs	-1188 lbs	25-26	0.20	1077 lbs	-699 lbs
9-14	0.42	63 lbs	-1 lbs	6-32	0.59	2713 lbs	-1536 lbs	4-5	0.44	927 lbs	-419 lbs
14-16	0.79	-1885 lbs	-1885 lbs	1-12	0.31	0 lbs	0 lbs	4-27	0.44	927 lbs	-503 lbs
16-17	0.41	-1920 lbs	-1920 lbs	12-15	0.59	655 lbs	-209 lbs	28-29	0.09	-336 lbs	-336 lbs
17-19	0.48	-1920 lbs	-1920 lbs	3-15	0.59	655 lbs	-209 lbs	30-31	0.10	672 lbs	-442 lbs
19-21	0.49	-1830 lbs	-1830 lbs	7-35	0.39	996 lbs	-624 lbs	32-33	0.09	691 lbs	-452 lbs
21-23	0.49	-1669 lbs	-1669 lbs	13-35	0.39	996 lbs	-624 lbs	6-7	0.44	551 lbs	-360 lbs
10-23	0.46	-1528 lbs	-1528 lbs	8-13	0.30	0 lbs	0 lbs	6-34	0.44	551 lbs	-360 lbs
								35-36	0.31	-1469 lbs	-1469 lbs
								8-11	0.01	55 lbs	-2 lbs
								12-14	0.26	-1342 lbs	-1342 lbs
								13-37	0.25	-1307 lbs	-1307 lbs
								4-29	0.02	184 lbs	-5 lbs
								4-28	0.23	1885 lbs	-886 lbs
								2-16	0.14	1182 lbs	-443 lbs
								2-15	0.10	793 lbs	-250 lbs
								6-36	0.21	1700 lbs	-903 lbs

Web			
6-35	0.18	1317 lbs	-823 lbs
14-15	0.14	1112 lbs	-354 lbs
17-18	0.01	68 lbs	-33 lbs
19-20	0.05	-233 lbs	-233 lbs
21-22	0.10	-383 lbs	-383 lbs
23-24	0.12	-427 lbs	-427 lbs
28-31	0.16	-677 lbs	-677 lbs
30-33	0.17	-763 lbs	-763 lbs
32-34	0.15	-729 lbs	-729 lbs
35-37	0.14	1155 lbs	-453 lbs
24-26	0.30	-1020 lbs	-1020 lbs
25-27	0.25	-958 lbs	-958 lbs

TRUSS TG22 (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 (5 - 10)	TL(V): 0.13 in.	L / 999	(20-3)	L / 90
BC :	0.54 (20 - 3)	LL(V): 0.08 in.	L / 999	(20-3)	L / 90
Web :	0.28 (3 - 22)	DL(V): 0.04 in.	L / 999	(20-3)	L / 0
		Cant / OH TL: 0.08 in.	2L / 331	(20-3)	2L / 90
		Cant / OH LL: 0.08 in.	2L / 331	(20-3)	2L / 90
		Horiz TL: -0.05 in.		1	
		Web :			
		Snow/Wind -0.1 in.	L / 999	(20-3)	L / 90
		Cant (Snow/Wind) -0.1 in.	L / 258	(20-3)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1160 lbs	0 lbs	-520 lbs	0 lbs
8	Pin		-350 lbs	1320 lbs	0 lbs	-690 lbs	-350 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-4-2	25-7-8

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

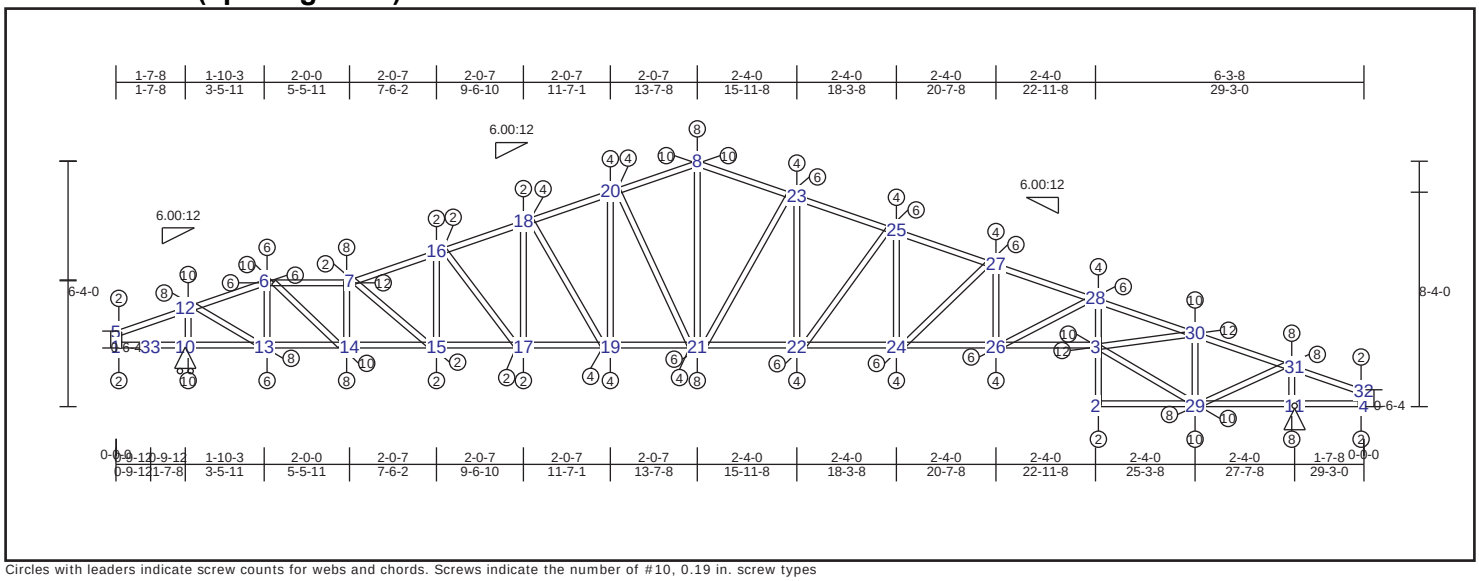
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
6-17	0.61	-1326 lbs	-1326 lbs	2-23	0.40	1013 lbs	-726 lbs	1-5	0.22	-1160 lbs	-1160 lbs
17-19	0.69	-1641 lbs	-1641 lbs	8-23	0.40	1013 lbs	-726 lbs	9-10	0.13	-638 lbs	-638 lbs
19-21	0.77	-2107 lbs	-2107 lbs	4-8	0.30	0 lbs	0 lbs	11-12	0.03	-123 lbs	-123 lbs
21-22	0.86	-2812 lbs	-2812 lbs	1-9	0.42	1059 lbs	-452 lbs	13-14	0.04	-122 lbs	-122 lbs
22-24	0.83	-3072 lbs	-3072 lbs	9-11	0.42	1228 lbs	-531 lbs	6-15	0.26	1015 lbs	-603 lbs
24-25	0.79	-1707 lbs	-1707 lbs	11-13	0.18	1228 lbs	-531 lbs	16-17	0.15	702 lbs	-482 lbs
7-25	0.44	64 lbs	-1 lbs	13-15	0.52	1183 lbs	-518 lbs	18-19	0.11	626 lbs	-425 lbs
5-10	0.86	-1389 lbs	-1389 lbs	15-16	0.52	1352 lbs	-691 lbs	20-21	0.09	598 lbs	-415 lbs
10-12	0.67	-1446 lbs	-1446 lbs	16-18	0.44	1689 lbs	-940 lbs	2-3	0.28	563 lbs	-425 lbs
12-14	0.41	-1430 lbs	-1430 lbs	18-20	0.54	2119 lbs	-1261 lbs	3-22	0.28	563 lbs	-425 lbs
6-14	0.49	-1321 lbs	-1321 lbs	3-20	0.54	2773 lbs	-1771 lbs	23-24	0.31	-1490 lbs	-1490 lbs
								4-7	0.01	56 lbs	-2 lbs
								8-25	0.25	-1311 lbs	-1311 lbs
								3-24	0.21	1734 lbs	-1030 lbs
								3-23	0.21	1345 lbs	-961 lbs
								5-9	0.15	1240 lbs	-530 lbs
								10-11	0.03	259 lbs	-121 lbs
								12-13	0.03	169 lbs	-94 lbs
								14-15	0.11	306 lbs	-301 lbs
								16-19	0.21	-755 lbs	-755 lbs
								18-21	0.18	-740 lbs	-740 lbs
								20-22	0.17	-819 lbs	-819 lbs
								23-25	0.14	1159 lbs	-446 lbs
								15-17	0.28	-796 lbs	-796 lbs

TRUSS TG23 (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 :	0.92 (6 - 7)	TL(V): 0.15 in.	L / 999	(25-27)	L / 90
BC :	0.77 (13 - 14)	LL(V): 0.1 in.	L / 999	(25-27)	L / 90
Web :	0.34 (3 - 28)	DL(V): 0.05 in.	L / 999	(25-27)	L / 0
		Cant / OH TL: 0.1 in.	2L / 947	(25-27)	2L / 90
		Cant / OH LL: 0.1 in.	2L / 947	(25-27)	2L / 90
		Horiz TL: -0.06 in.		1	
		Web :			
		Snow/Wind -0.12 in.	L / 999	(25-27)	L / 90
		Cant (Snow/Wind) -0.12 in.	L / 814	(25-27)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	HRoll		0 lbs	1420 lbs	0 lbs	-740 lbs	0 lbs
11	Pin		-250 lbs	1420 lbs	0 lbs	-740 lbs	-250 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-4-2	29-3-0

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

Material Design Pass

Member Forces Summary

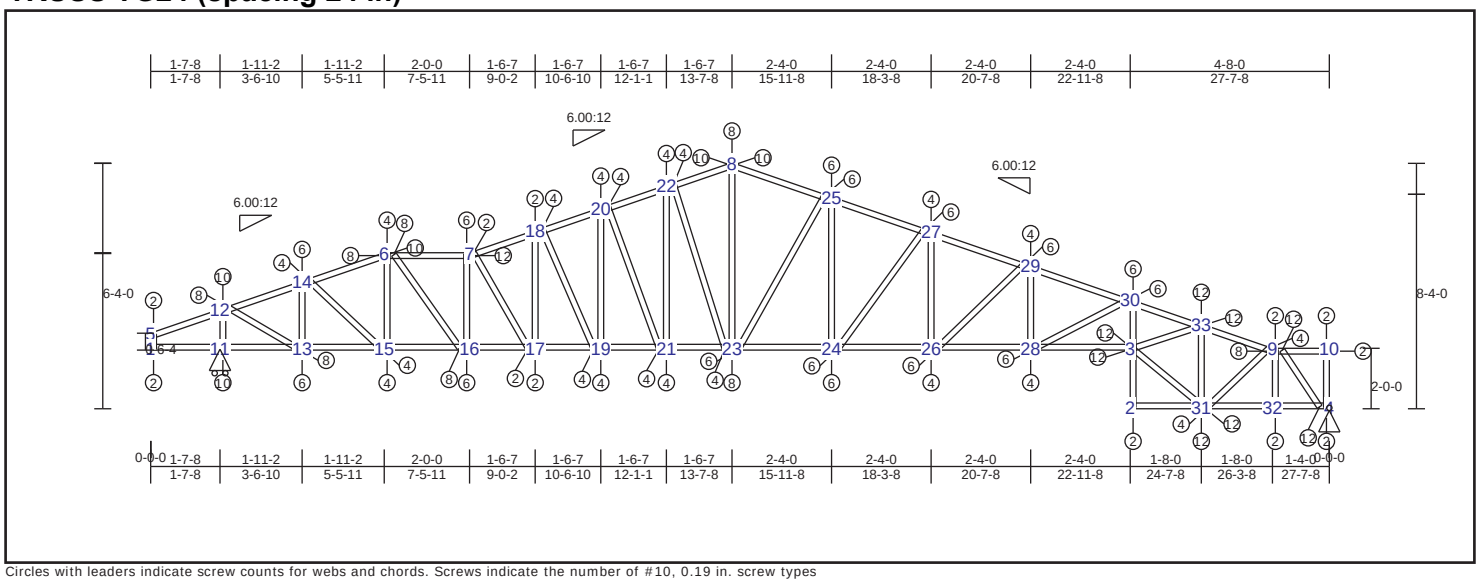
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord			
6-7	0.92	-1837 lbs	-1837 lbs	2-29	0.43	1090 lbs	-668 lbs
7-16	0.55	-2061 lbs	-2061 lbs	11-29	0.43	1090 lbs	-668 lbs
16-18	0.59	-1914 lbs	-1914 lbs	4-11	0.30	0 lbs	0 lbs
18-20	0.56	-1728 lbs	-1728 lbs	1-10	0.29	0 lbs	0 lbs
8-20	0.53	-1552 lbs	-1552 lbs	10-13	0.46	905 lbs	-292 lbs
5-12	0.46	64 lbs	0 lbs	13-14	0.77	1808 lbs	-695 lbs
6-12	0.84	-1039 lbs	-1039 lbs	14-15	0.35	1808 lbs	-695 lbs
8-23	0.65	-1559 lbs	-1559 lbs	15-17	0.35	1765 lbs	-667 lbs
23-25	0.74	-1876 lbs	-1876 lbs	17-19	0.32	1605 lbs	-595 lbs
25-27	0.82	-2355 lbs	-2355 lbs	19-21	0.59	1428 lbs	-521 lbs
27-28	0.92	-3087 lbs	-3087 lbs	21-22	0.59	1548 lbs	-661 lbs
28-30	0.90	-3357 lbs	-3357 lbs	22-24	0.44	1893 lbs	-902 lbs
30-31	0.84	-1861 lbs	-1861 lbs	24-26	0.58	2336 lbs	-1208 lbs
9-31	0.46	64 lbs	0 lbs	3-26	0.58	3018 lbs	-1682 lbs

Web			
1-5	0.01	54 lbs	-2 lbs
6-13	0.17	-828 lbs	-828 lbs
7-14	0.24	-1185 lbs	-1185 lbs
15-16	0.02	159 lbs	-72 lbs
17-18	0.06	344 lbs	-210 lbs
19-20	0.10	443 lbs	-298 lbs
8-21	0.30	1250 lbs	-699 lbs
22-23	0.15	705 lbs	-460 lbs
24-25	0.10	646 lbs	-406 lbs
26-27	0.08	623 lbs	-384 lbs
2-3	0.28	598 lbs	-382 lbs
3-28	0.34	598 lbs	-382 lbs
29-30	0.34	-1614 lbs	-1614 lbs
4-9	0.01	55 lbs	-2 lbs
10-12	0.27	-1420 lbs	-1420 lbs
11-31	0.27	-1412 lbs	-1412 lbs
3-30	0.23	1901 lbs	-1000 lbs
3-29	0.20	1448 lbs	-884 lbs
7-15	0.01	70 lbs	-67 lbs
16-17	0.09	-347 lbs	-347 lbs
18-19	0.14	-480 lbs	-480 lbs
20-21	0.20	-552 lbs	-552 lbs
21-23	0.28	-798 lbs	-798 lbs
22-25	0.22	-772 lbs	-772 lbs
24-27	0.18	-764 lbs	-764 lbs

Web			
26-28	0.18	-854 lbs	-854 lbs
29-31	0.15	1268 lbs	-505 lbs
12-13	0.15	1193 lbs	-385 lbs
6-14	0.19	1544 lbs	-703 lbs

TRUSS TG24 (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 (9 - 10)	TL(V): 0.16 in.	L / 999	(26-28)	L / 90
BC :	0.68 (32 - 4)	LL(V): 0.11 in.	L / 999	(26-28)	L / 90
Web :	0.80 (3 - 30)	DL(V): 0.06 in.	L / 999	(26-28)	L / 0
		Cant / OH TL: 0.11 in.	2L / 968	(26-28)	2L / 90
		Cant / OH LL: 0.11 in.	2L / 968	(26-28)	2L / 90
		Horiz TL: -0.06 in.		1	
		Web :			
		Snow/Wind -0.12 in.	L / 999	(26-28)	L / 90
		Cant (Snow/Wind) -0.12 in.	L / 791	(26-28)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
4	Pin		150 lbs	1250 lbs	0 lbs	-580 lbs	150 lbs
11	HRoll		0 lbs	1420 lbs	0 lbs	-730 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-4-1	27-7-8

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

Material Design Pass

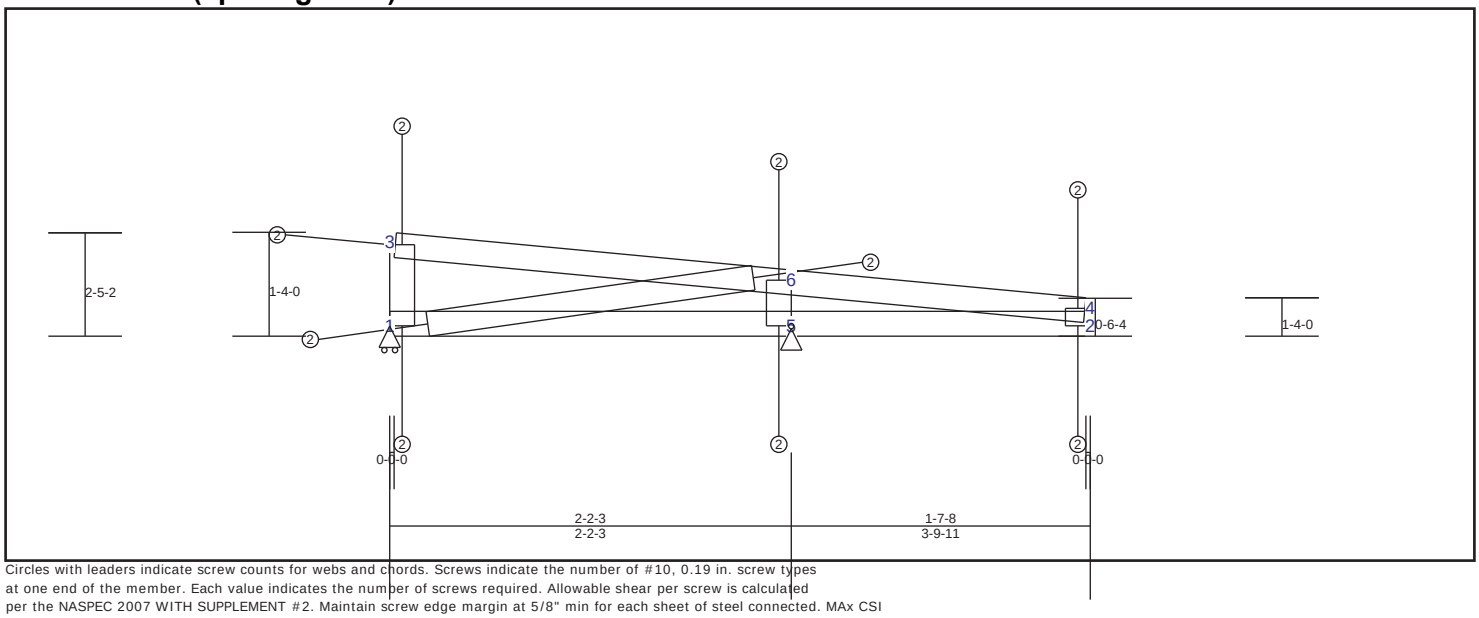
Member Forces Summary

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

Top Chord				Bot Chord				Web			
6-7	0.90	-1777 lbs	-1777 lbs	2-31	0.26	1207 lbs	-688 lbs	1-5	0.01	54 lbs	-3 lbs
7-18	0.48	-1943 lbs	-1943 lbs	31-32	0.31	1207 lbs	-688 lbs	13-14	0.17	-827 lbs	-827 lbs
18-20	0.54	-1827 lbs	-1827 lbs	4-32	0.68	833 lbs	-515 lbs	6-15	0.08	-369 lbs	-369 lbs
20-22	0.53	-1693 lbs	-1693 lbs	1-11	0.30	0 lbs	0 lbs	7-16	0.22	-983 lbs	-983 lbs
8-22	0.47	-1556 lbs	-1556 lbs	11-13	0.53	954 lbs	-317 lbs	17-18	0.05	326 lbs	-185 lbs
5-12	0.43	63 lbs	-1 lbs	13-15	0.53	1251 lbs	-441 lbs	19-20	0.09	469 lbs	-293 lbs
12-14	0.83	-1386 lbs	-1386 lbs	15-16	0.68	1731 lbs	-671 lbs	21-22	0.12	518 lbs	-357 lbs
6-14	0.55	-1464 lbs	-1464 lbs	16-17	0.37	1731 lbs	-671 lbs	8-23	0.30	1280 lbs	-717 lbs
8-25	0.66	-1568 lbs	-1568 lbs	17-19	0.37	1656 lbs	-632 lbs	24-25	0.14	712 lbs	-452 lbs
25-27	0.75	-1887 lbs	-1887 lbs	19-21	0.35	1525 lbs	-571 lbs	26-27	0.10	664 lbs	-404 lbs
27-29	0.84	-2376 lbs	-2376 lbs	21-23	0.62	1387 lbs	-509 lbs	28-29	0.08	627 lbs	-363 lbs
29-30	0.87	-3131 lbs	-3131 lbs	23-24	0.62	1557 lbs	-665 lbs	2-3	0.69	1524 lbs	-854 lbs
30-33	0.90	-3464 lbs	-3464 lbs	24-26	0.46	1909 lbs	-904 lbs	3-30	0.80	1524 lbs	-854 lbs
9-33	0.79	-3464 lbs	-3464 lbs	26-28	0.54	2359 lbs	-1204 lbs	11-12	0.27	-1419 lbs	-1419 lbs
9-10	0.90	-825 lbs	-825 lbs	3-28	0.54	3079 lbs	-1671 lbs	4-10	0.04	293 lbs	-141 lbs
								9-32	0.03	285 lbs	-113 lbs
								31-33	0.43	-2001 lbs	-2001 lbs
								3-33	0.24	1987 lbs	-1043 lbs
								3-31	0.23	1921 lbs	-1093 lbs
								12-13	0.15	1254 lbs	-416 lbs
								14-15	0.06	502 lbs	-247 lbs
								7-17	0.05	-204 lbs	-204 lbs
								18-19	0.12	-458 lbs	-458 lbs
								20-21	0.18	-567 lbs	-567 lbs
								22-23	0.21	-567 lbs	-567 lbs

Web			
23-25	0.28	-803 lbs	-803 lbs
24-27	0.22	-786 lbs	-786 lbs
26-29	0.18	-776 lbs	-776 lbs
28-30	0.19	-901 lbs	-901 lbs
6-16	0.13	1099 lbs	-526 lbs
4-9	0.40	-1994 lbs	-1994 lbs
9-31	0.08	638 lbs	-296 lbs

TRUSS TL01 (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 (3 - 6)	TL(V): 0.03 in.	L / 999	(6-4)	L / 90
BC :	0.45 (1 - 5)	LL(V): 0.02 in.	L / 999	(6-4)	L / 90
Web :	0.04 (5 - 6)	DL(V): 0.01 in.	L / 999	(6-4)	L / 0
		Cant / OH TL: 0.02 in.	2L / 0	(6-4)	2L / 90
		Cant / OH LL: 0.02 in.	2L / 0	(6-4)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.07 in.	L / 670	(6-4)	L / 90
		Cant (Snow/Wind) -0.07 in.	L / 0	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-100 lbs	-20 lbs	-100 lbs	0 lbs
5	Pin		-150 lbs	300 lbs	0 lbs	-210 lbs	-150 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-4-12	3-9-11

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

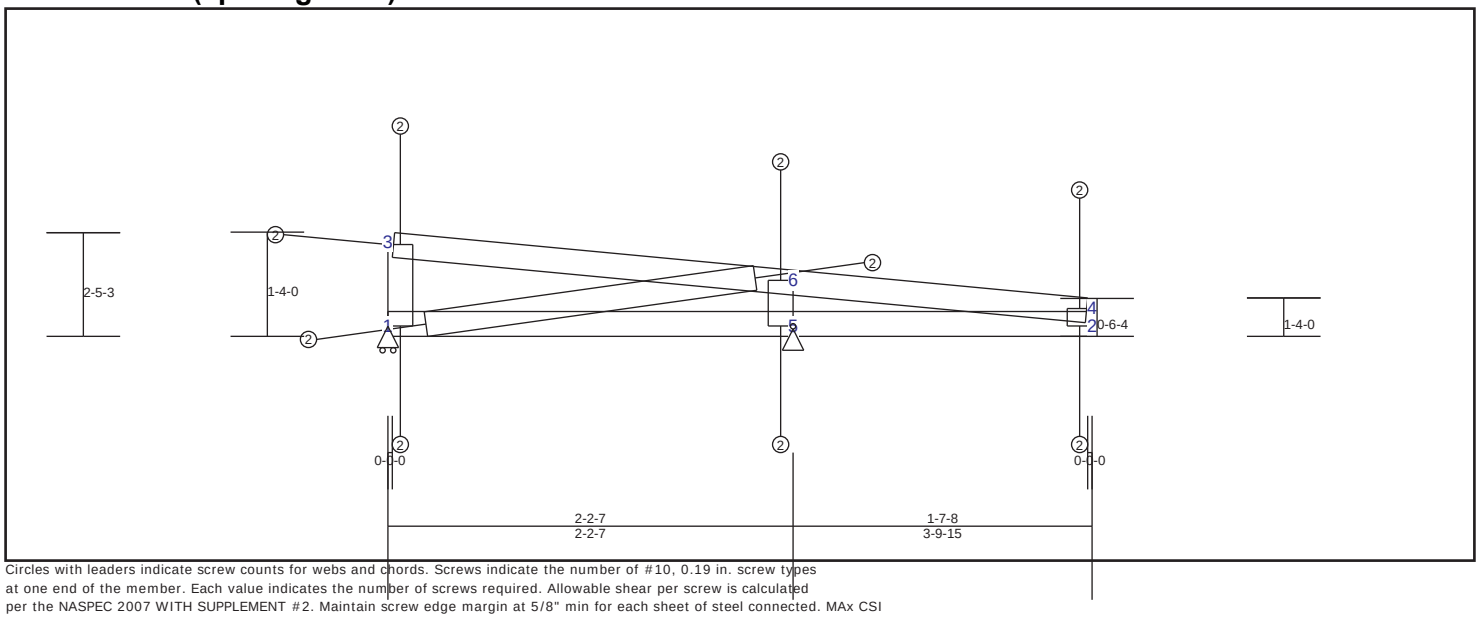
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.47	87 lbs	-58 lbs	1-5	0.45	-154 lbs	-154 lbs	1-3	0.01	-50 lbs	-50 lbs
4-6	0.24	57 lbs	-11 lbs	2-5	0.38	0 lbs	0 lbs	5-6	0.04	-216 lbs	-216 lbs
								2-4	0.01	66 lbs	-24 lbs
								1-6	0.02	193 lbs	-78 lbs

TRUSS TL02 (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 (3 - 6)	TL(V): 0.03 in.	L / 999	(6-4)	L / 90
BC :	0.45 (1 - 5)	LL(V): 0.02 in.	L / 999	(6-4)	L / 90
Web :	0.04 (5 - 6)	DL(V): 0.01 in.	L / 999	(6-4)	L / 0
		Cant / OH TL: 0.02 in.	2L / 0	(6-4)	2L / 90
		Cant / OH LL: 0.02 in.	2L / 0	(6-4)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.07 in.	L / 671	(6-4)	L / 90
		Cant (Snow/Wind) -0.07 in.	L / 0	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-100 lbs	-20 lbs	-100 lbs	0 lbs
5	Pin		-150 lbs	300 lbs	0 lbs	-210 lbs	-150 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-4-14	3-9-15

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

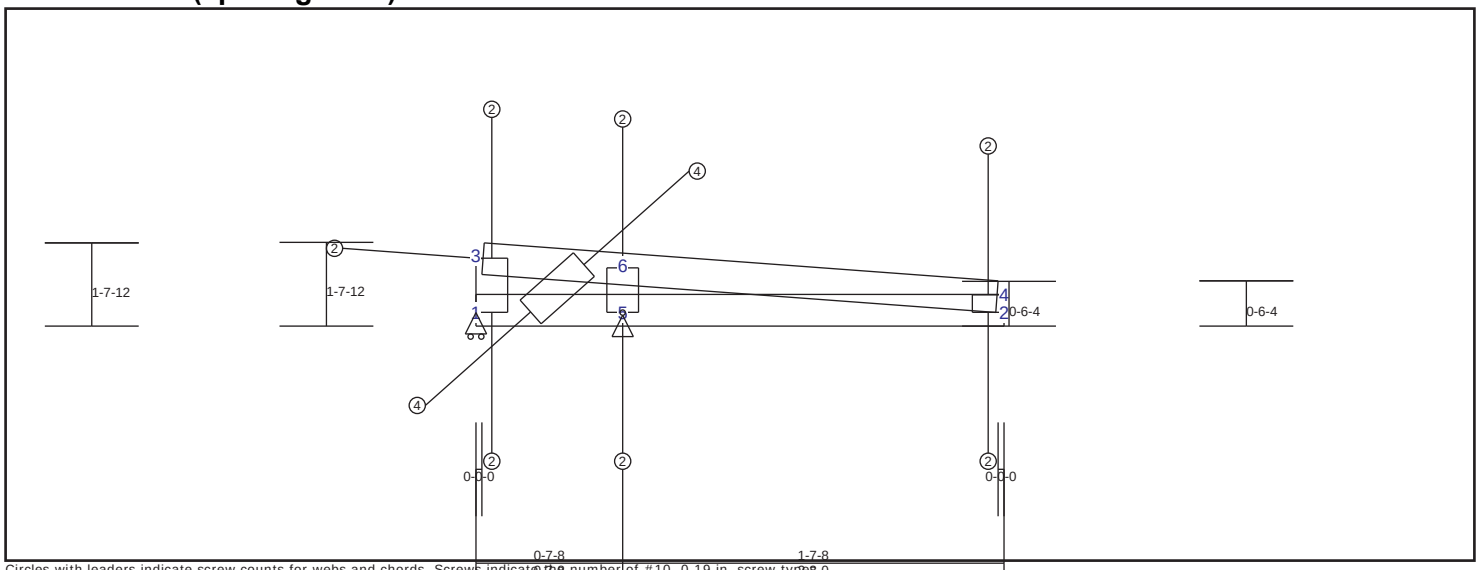
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.47	87 lbs	-58 lbs	1-5	0.45	-154 lbs	-154 lbs	1-3	0.01	-51 lbs	-51 lbs
4-6	0.25	57 lbs	-11 lbs	2-5	0.38	0 lbs	0 lbs	5-6	0.04	-217 lbs	-217 lbs
								2-4	0.01	66 lbs	-24 lbs
								1-6	0.02	193 lbs	-79 lbs

TRUSS TL03 (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 :	0.40 (3 - 6)	TL(V): 0.01 in.	L / 999	(6-4)	L / 90
BC :	0.27 (1 - 5)	LL(V): 0.01 in.	L / 999	(6-4)	L / 90
Web :	0.06 (1 - 6)	DL(V): 0 in.	L / 999	(3-6)	L / 0
		Cant / OH TL: 0.01 in.	2L / 0	(6-4)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 0	(6-4)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.02 in.	L / 999	(5-2)	L / 90
		Cant (Snow/Wind) -0.02 in.	L / 999	(5-2)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-150 lbs	-150 lbs	-150 lbs	0 lbs
5	Pin		-80 lbs	360 lbs	0 lbs	-90 lbs	-80 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-7-6	2-3-0

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

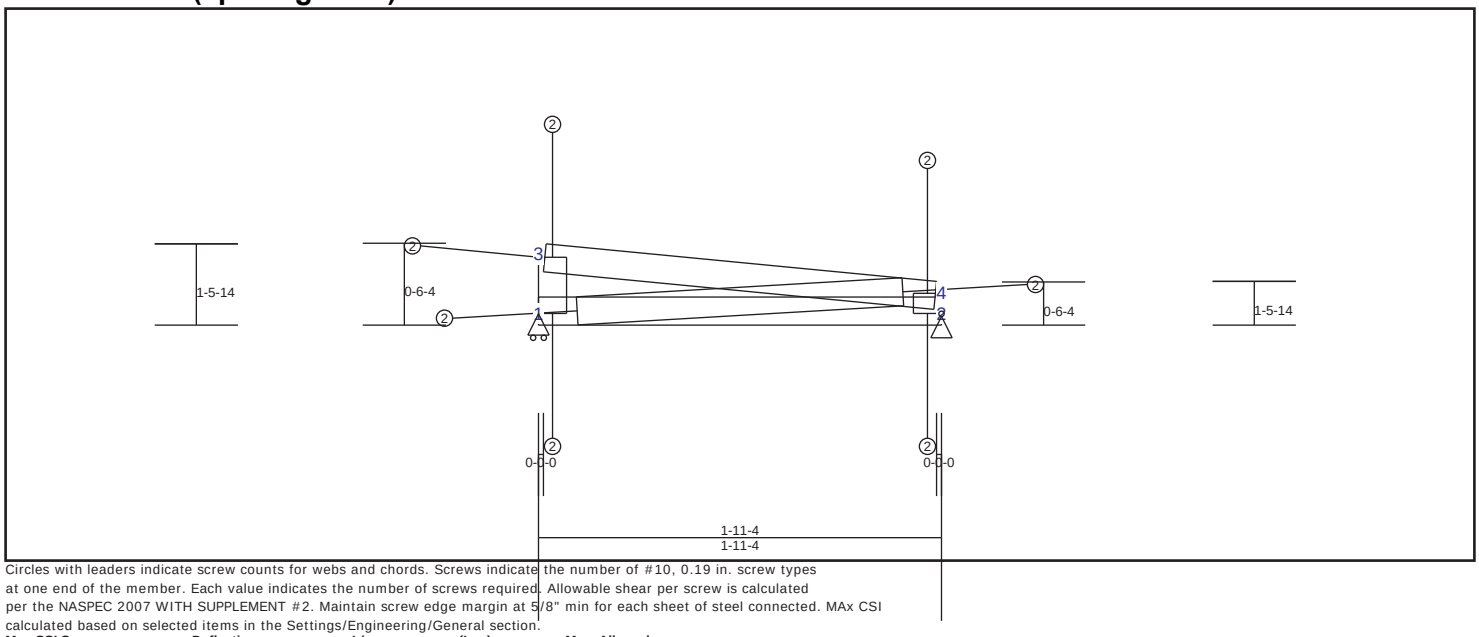
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.40	92 lbs	-69 lbs	1-5	0.27	-76 lbs	-76 lbs	1-3	0.04	-205 lbs	-205 lbs
4-6	0.28	-69 lbs	-69 lbs	2-5	0.27	-76 lbs	-76 lbs	5-6	0.05	-260 lbs	-260 lbs
								2-4	0.01	37 lbs	-29 lbs
								1-6	0.06	465 lbs	-220 lbs

TRUSS TL04 (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 :	0.16 (3 - 4)	TL(V): 0 in.	L / 999	(3-4)	L / 90
BC :	0.03 (1 - 2)	LL(V): 0 in.	L / 999	(3-4)	L / 90
Web :	0.02 (1 - 3)	DL(V): 0 in.	L / 999	(3-4)	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 in.	L / 999	(3-4)	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
1	HRoll		0 lbs	100 lbs	0 lbs	-80 lbs	0 lbs
2	Pin		-70 lbs	80 lbs	0 lbs	-20 lbs	-70 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-5-8	1-11-4

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

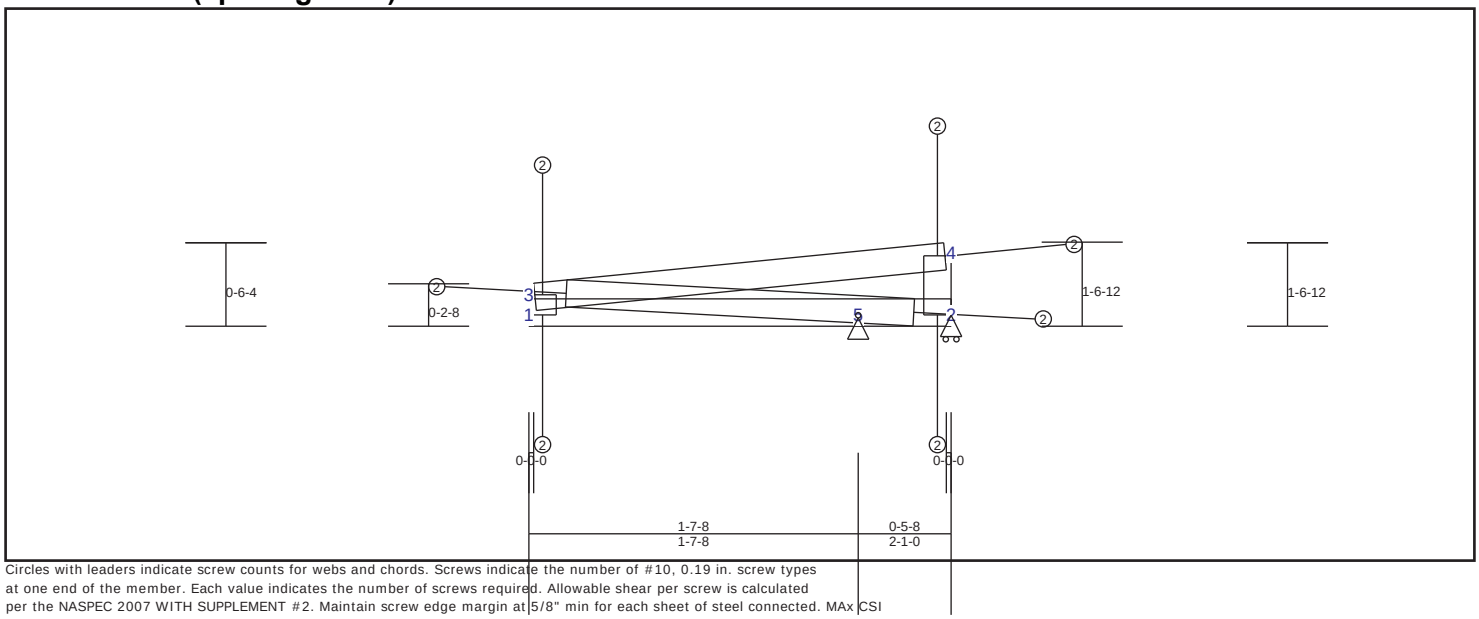
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-4	0.16	-44 lbs	-44 lbs	1-2	0.03	-65 lbs	-65 lbs	1-3	0.02	-80 lbs	-80 lbs
								2-4	0.01	-69 lbs	-69 lbs
								1-4	0.01	68 lbs	-32 lbs

TRUSS TL05 (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 :	0.19 (3 - 4)	TL(V): 0.05 in.	L / 539	3	L / 90
BC :	0.59 (1 - 5)	LL(V): 0.03 in.	L / 781	3	L / 90
Web :	0.02 (2 - 4)	DL(V): 0.02 in.	L / 999	3	L / 0
		Cant / OH TL: 0.03 in.	2L / 0	3	2L / 90
		Cant / OH LL: 0.03 in.	2L / 0	3	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.02 in.	L / 999	(1-5)	L / 90
		Cant (Snow/Wind) -0.02 in.	L / 0	(1-5)	L / 90

Reaction Table

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

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-6-6	2-1-0

Material Design Pass

Member Forces Summary

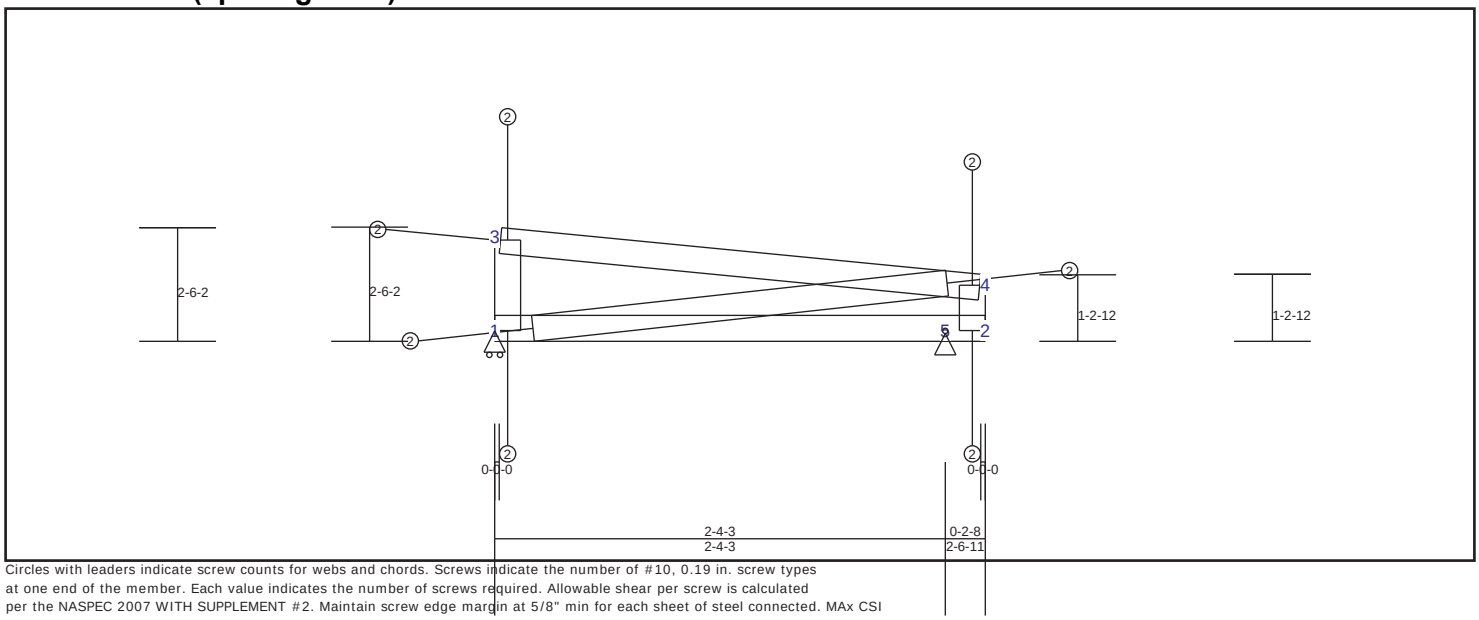
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
3-4	0.19	-48 lbs	-48 lbs	1-5	0.59	-70 lbs	-70 lbs	1-3	0.01	-75 lbs	-75 lbs
				2-5	0.59	-70 lbs	-70 lbs	2-4	0.02	-86 lbs	-86 lbs
								2-3	0.01	73 lbs	-35 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 TL06 (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 :	0.29 (3 - 4)	TL(V): 0.01 in.	L / 999	(3-4)	L / 90
BC :	0.05 (1 - 2)	LL(V): 0.01 in.	L / 999	(3-4)	L / 90
Web :	0.02 (1 - 3)	DL(V): 0 in.	L / 999	(3-4)	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 -0.01 in.	L / 999	(3-4)	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
1	HRoll		0 lbs	130 lbs	0 lbs	-130 lbs	0 lbs
2	Pin		-90 lbs	100 lbs	0 lbs	0 lbs	-90 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-5-12	2-6-11

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

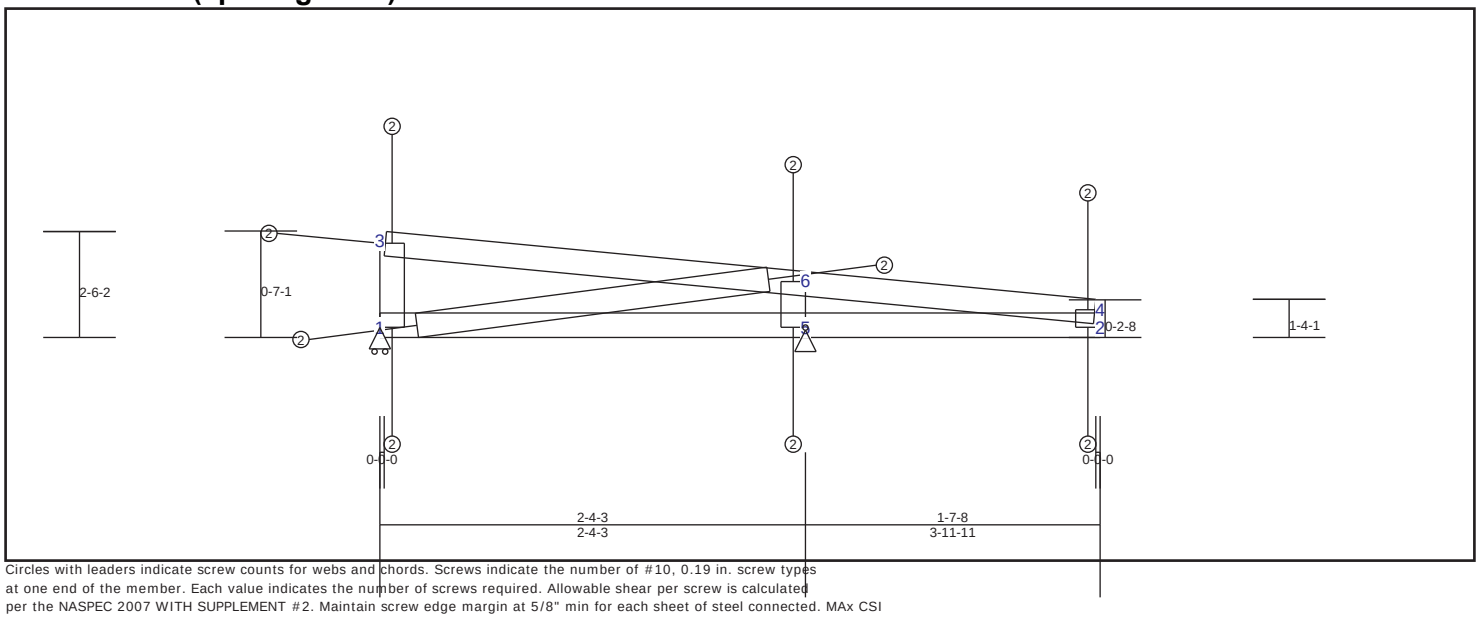
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-4	0.29	-60 lbs	-60 lbs	1-2	0.05	-87 lbs	-87 lbs	2-4	0.02	-88 lbs	-88 lbs
								1-3	0.02	-107 lbs	-107 lbs
								1-4	0.01	100 lbs	-47 lbs

TRUSS TL07 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.54 (3 - 6)	TL(V): 0.03 in.	L / 999	(6-4)	L / 90
BC :	0.50 (1 - 5)	LL(V): 0.02 in.	L / 999	(6-4)	L / 90
Web :	0.04 (5 - 6)	DL(V): 0.01 in.	L / 999	(6-4)	L / 0
		Cant / OH TL: 0.02 in.	2L / 0	(6-4)	2L / 90
		Cant / OH LL: 0.02 in.	2L / 0	(6-4)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.08 in.	L / 679	(6-4)	L / 90
		Cant (Snow/Wind) -0.08 in.	L / 0	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-110 lbs	-20 lbs	-110 lbs	0 lbs
5	Pin		-160 lbs	300 lbs	0 lbs	-210 lbs	-160 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-5-12	3-11-11

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

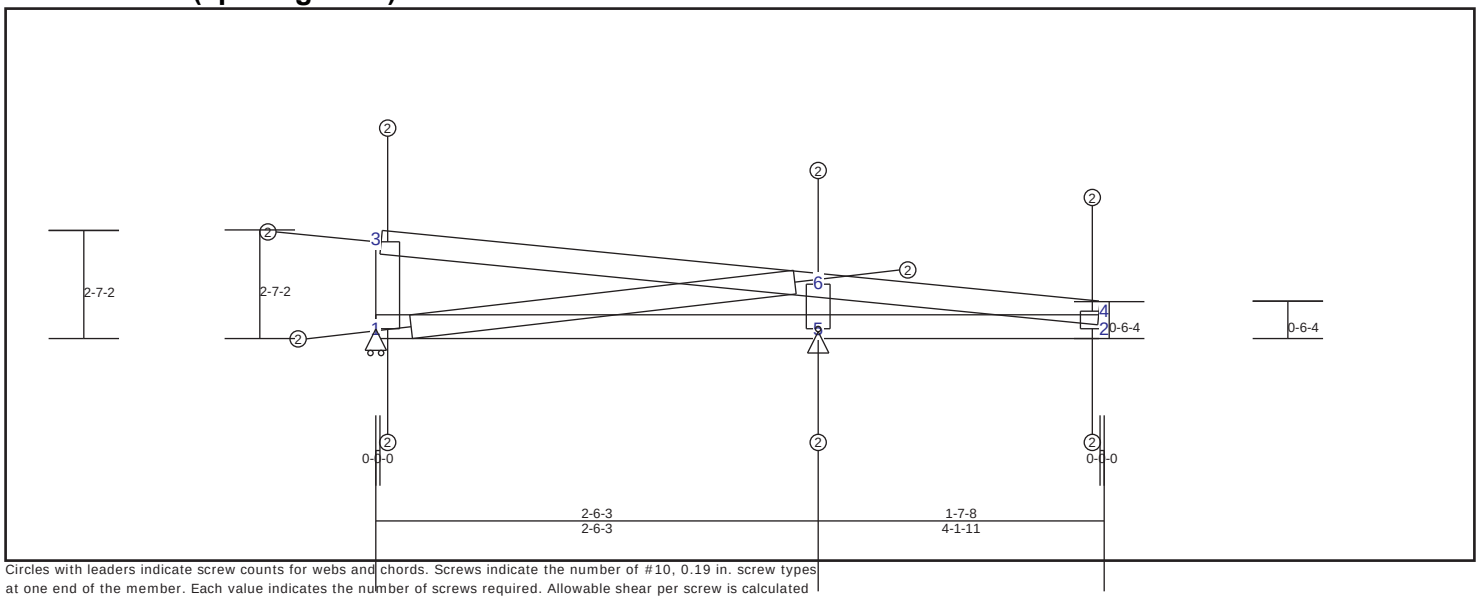
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.54	95 lbs	-60 lbs	1-5	0.50	-158 lbs	-158 lbs	1-3	0.01	-59 lbs	-59 lbs
4-6	0.25	57 lbs	-10 lbs	2-5	0.37	0 lbs	0 lbs	5-6	0.04	-223 lbs	-223 lbs
								2-4	0.01	65 lbs	-23 lbs
								1-6	0.02	192 lbs	-79 lbs

TRUSS TL08 (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 :	0.35 (6 - 4)	TL(V): 0.01 in.	L / 999	(5-2)	L / 90
BC :	0.20 (1 - 5)	LL(V): 0.01 in.	L / 999	(5-2)	L / 90
Web :	0.04 (5 - 6)	DL(V): 0 in.	L / 999	(3-6)	L / 0
		Cant / OH TL: 0.01 in.	2L / 1	(5-2)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 1	(5-2)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.03 in.	L / 999	(6-4)	L / 90
		Cant (Snow/Wind) -0.03 in.	L / 999	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-120 lbs	-10 lbs	-120 lbs	0 lbs
5	Pin		-140 lbs	300 lbs	0 lbs	-100 lbs	-140 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-6-12	4-1-11

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

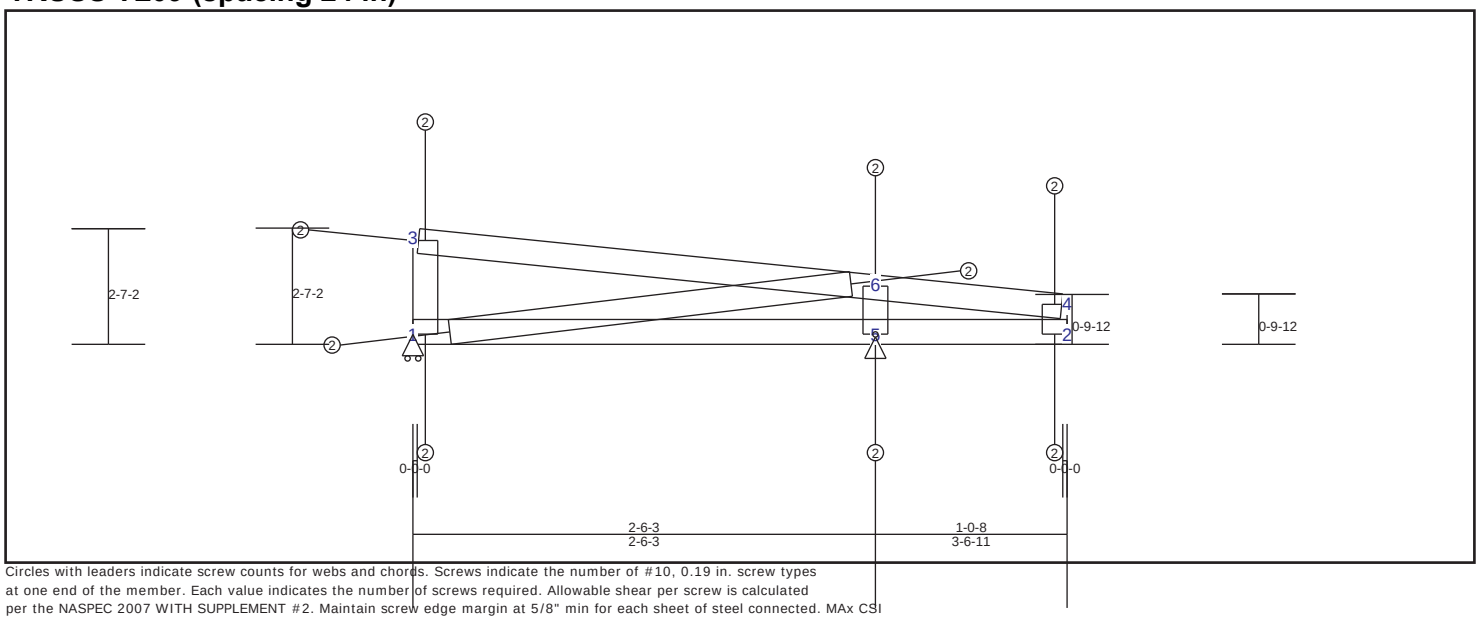
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.33	-63 lbs	-63 lbs	1-5	0.20	-144 lbs	-144 lbs	1-3	0.02	-75 lbs	-75 lbs
4-6	0.35	-63 lbs	-63 lbs	2-5	0.20	-144 lbs	-144 lbs	5-6	0.04	-229 lbs	-229 lbs
								2-4	0.00	25 lbs	-19 lbs
								1-6	0.02	168 lbs	-79 lbs

TRUSS TL09 (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 :	0.20 (3 - 6)	TL(V): 0 in.	L / 999	(3-6)	L / 90
BC :	0.06 (1 - 5)	LL(V): 0 in.	L / 999	(3-6)	L / 90
Web :	0.04 (5 - 6)	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.		4	
		Web :			
		Snow/Wind 0 in.	L / 999	(3-6)	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
1	HRoll		0 lbs	-140 lbs	0 lbs	-140 lbs	0 lbs
5	Pin		-120 lbs	210 lbs	0 lbs	-50 lbs	-120 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-6-12	3-6-11

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

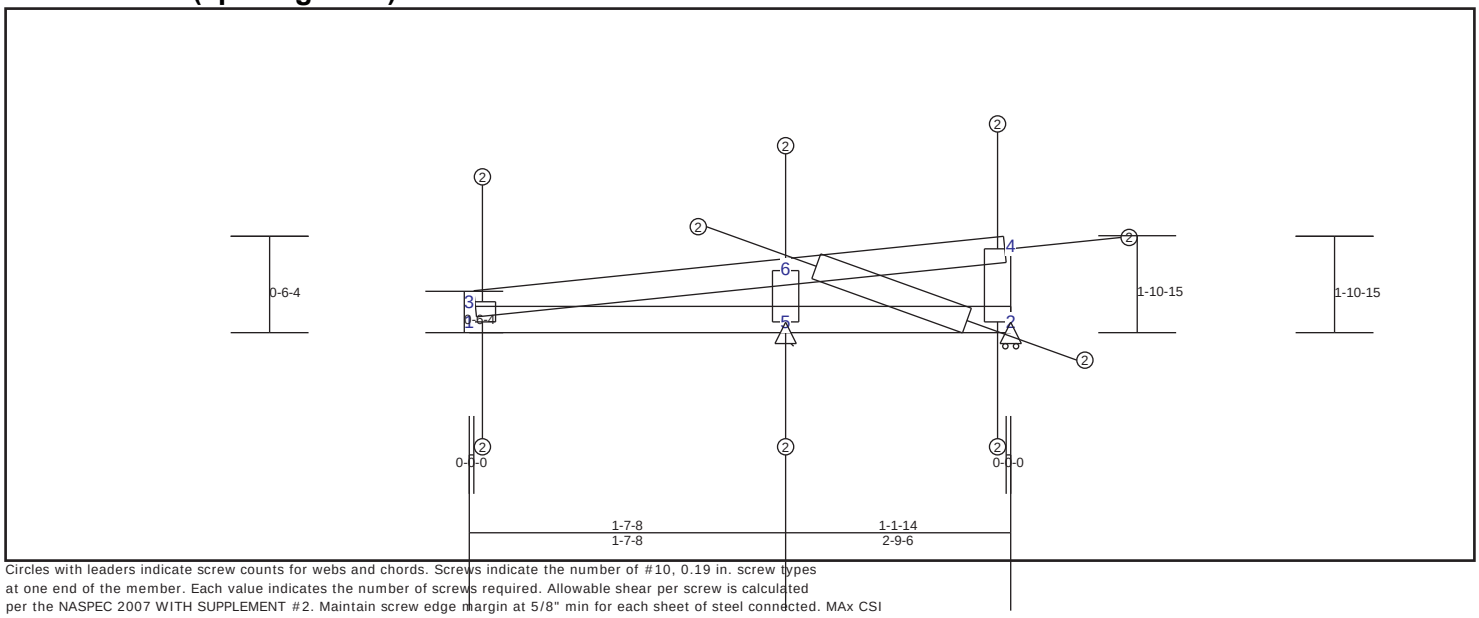
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.20	-58 lbs	-58 lbs	1-5	0.06	-123 lbs	-123 lbs	1-3	0.02	-90 lbs	-90 lbs
4-6	0.20	-53 lbs	-53 lbs	2-5	0.04	-123 lbs	-123 lbs	5-6	0.04	-187 lbs	-187 lbs
								2-4	0.00	5 lbs	-2 lbs
								1-6	0.02	143 lbs	-68 lbs

TRUSS TL10 (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 :	0.23 (3 - 6)	TL(V): 0.01 in.	L / 999	(3-6)	L / 90
BC :	0.30 (1 - 5)	LL(V): 0.01 in.	L / 999	(3-6)	L / 90
Web :	0.03 (5 - 6)	DL(V): 0 in.	L / 999	(3-6)	L / 0
		Cant / OH TL: 0.01 in.	2L / 0	(3-6)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 0	(3-6)	2L / 90
		Horiz TL: 0.01 in.		3	
		Web :			
		Snow/Wind -0.02 in.	L / 999	(3-6)	L / 90
		Cant (Snow/Wind) -0.02 in.	L / 0	(3-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	-100 lbs	-30 lbs	-100 lbs	0 lbs
5	Fixed		100 lbs	230 lbs	0 lbs	-50 lbs	100 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-10-9	2-9-6

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

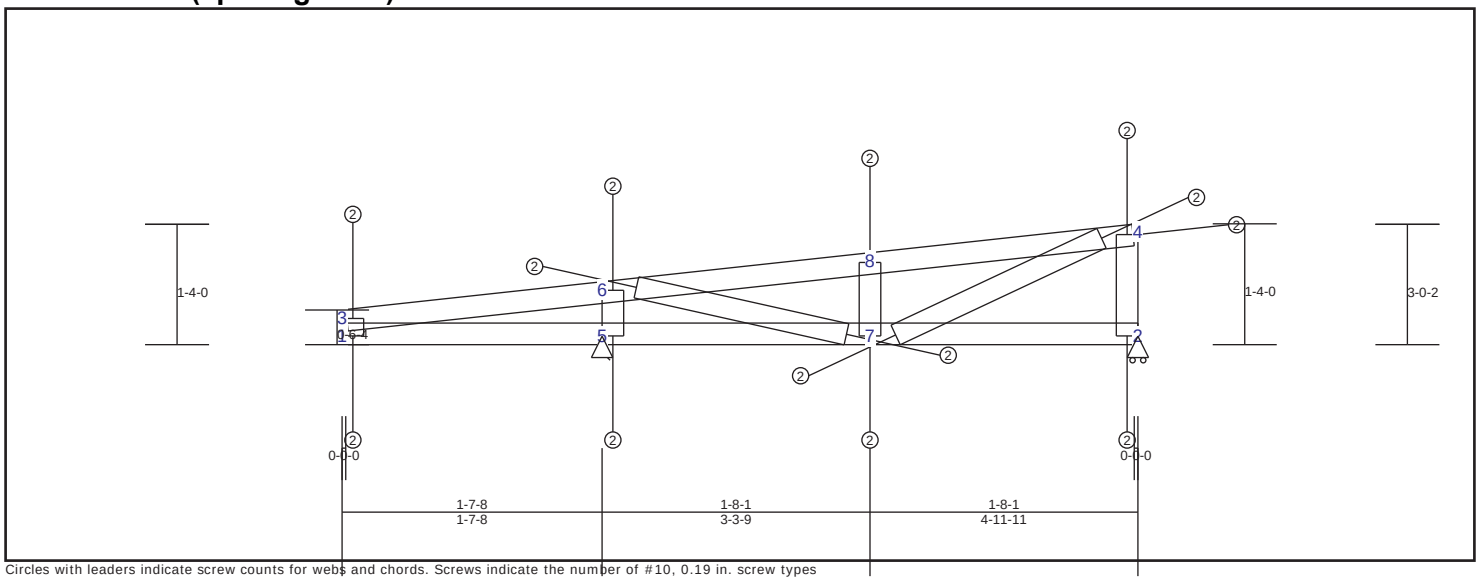
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.23	-40 lbs	-40 lbs	1-5	0.30	-95 lbs	-95 lbs	1-3	0.01	42 lbs	-36 lbs
4-6	0.22	-40 lbs	-40 lbs	2-5	0.30	-95 lbs	-95 lbs	5-6	0.03	-159 lbs	-159 lbs
								2-4	0.01	-28 lbs	-28 lbs
								2-6	0.02	193 lbs	-91 lbs

TRUSS TL11 (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 :	0.27 (6 - 8)	TL(V): 0.01 in.	L / 999	(3-6)	L / 90
BC :	0.61 (5 - 7)	LL(V): 0.01 in.	L / 999	(3-6)	L / 90
Web :	0.05 (7 - 4)	DL(V): 0 in.	L / 999	(3-6)	L / 0
		Cant / OH TL: 0.01 in.	2L / 0	(3-6)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 0	(3-6)	2L / 90
		Horiz TL: 0.01 in.		3	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(3-6)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 0	(3-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	-170 lbs	0 lbs	-170 lbs	0 lbs
5	Fixed		190 lbs	310 lbs	0 lbs	-170 lbs	190 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-11-12	4-11-11

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

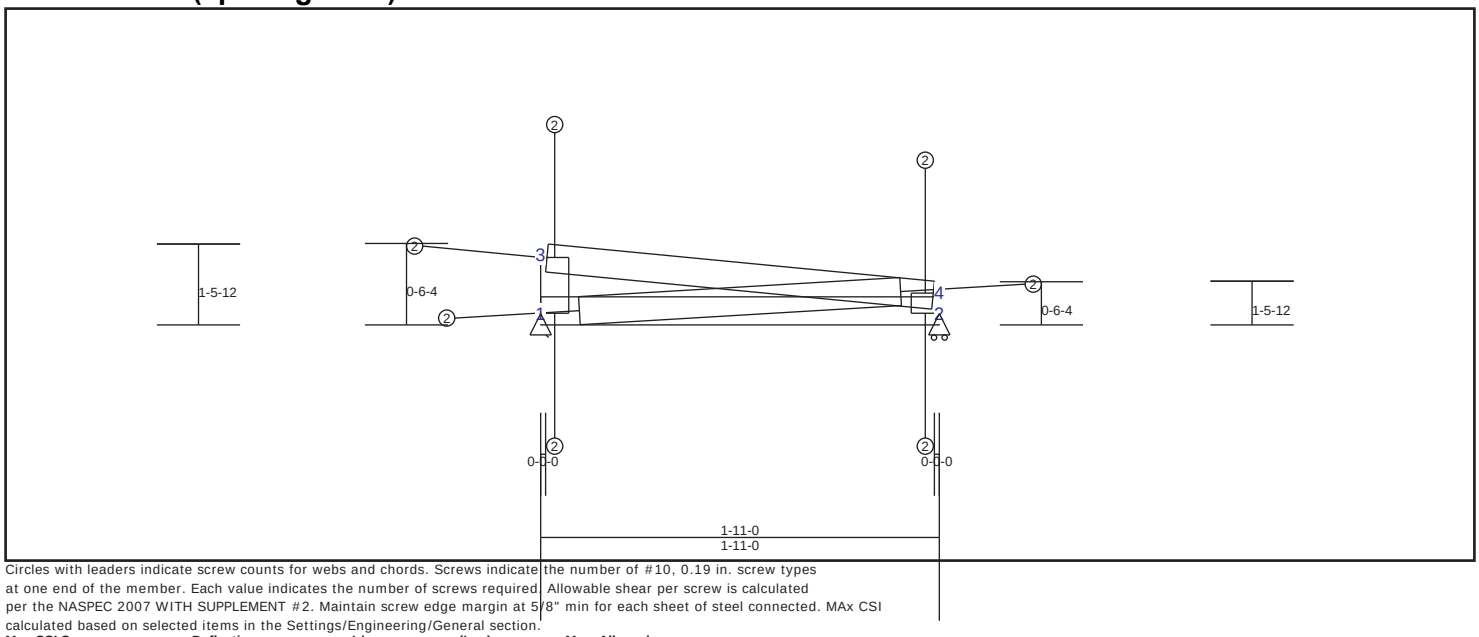
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.17	57 lbs	-16 lbs	1-5	0.49	0 lbs	0 lbs	1-3	0.01	84 lbs	-36 lbs
6-8	0.27	94 lbs	-93 lbs	5-7	0.61	-194 lbs	-194 lbs	7-8	0.03	-140 lbs	-140 lbs
4-8	0.19	-93 lbs	-93 lbs	2-7	0.13	-92 lbs	-92 lbs	2-4	0.03	205 lbs	-152 lbs
								5-6	0.04	-235 lbs	-235 lbs
								6-7	0.02	200 lbs	-57 lbs
								4-7	0.05	-220 lbs	-220 lbs

TRUSS TL12 (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 :	0.16 (3 - 4)	TL(V): 0 in.	L / 999	(3-4)	L / 90
BC :	0.03 (1 - 2)	LL(V): 0 in.	L / 999	(3-4)	L / 90
Web :	0.02 (1 - 3)	DL(V): 0 in.	L / 999	(3-4)	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 in.	L / 999	(3-4)	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
1	Fixed		-60 lbs	100 lbs	0 lbs	-80 lbs	-60 lbs
2	HRoll		0 lbs	80 lbs	0 lbs	-20 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-5-6	1-11-0

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

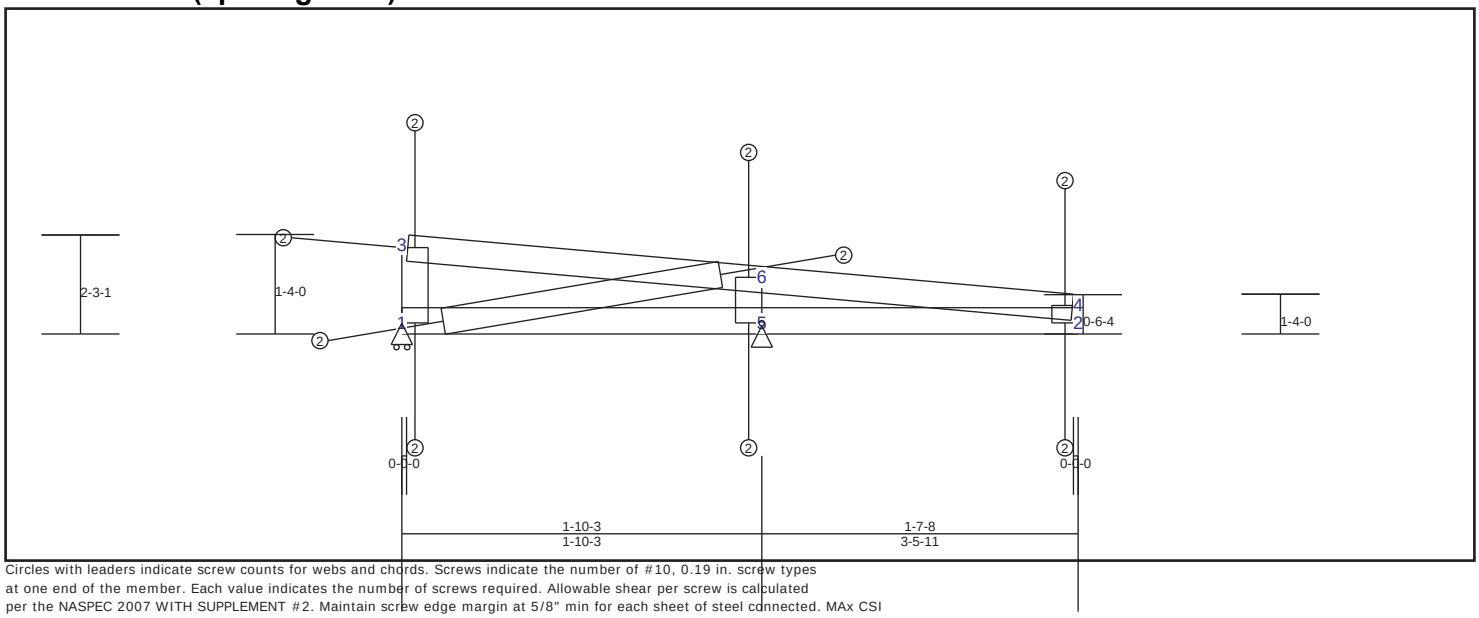
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-4	0.16	-44 lbs	-44 lbs	1-2	0.03	64 lbs	-30 lbs	1-3	0.02	-79 lbs	-79 lbs
								2-4	0.01	-69 lbs	-69 lbs
								1-4	0.01	67 lbs	-32 lbs

TRUSS TL13 (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 :	0.39 (3 - 6)	TL(V): 0.03 in.	L / 999	(6-4)	L / 90
BC :	0.46 (1 - 5)	LL(V): 0.02 in.	L / 999	(6-4)	L / 90
Web :	0.04 (5 - 6)	DL(V): 0.01 in.	L / 999	(6-4)	L / 0
		Cant / OH TL: 0.02 in.	2L / 999	(6-4)	2L / 90
		Cant / OH LL: 0.02 in.	2L / 999	(6-4)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.07 in.	L / 656	(6-4)	L / 90
		Cant (Snow/Wind) -0.07 in.	L / 571	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-80 lbs	-30 lbs	-80 lbs	0 lbs
5	Pin		-150 lbs	300 lbs	0 lbs	-210 lbs	-150 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-2-12	3-5-11

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

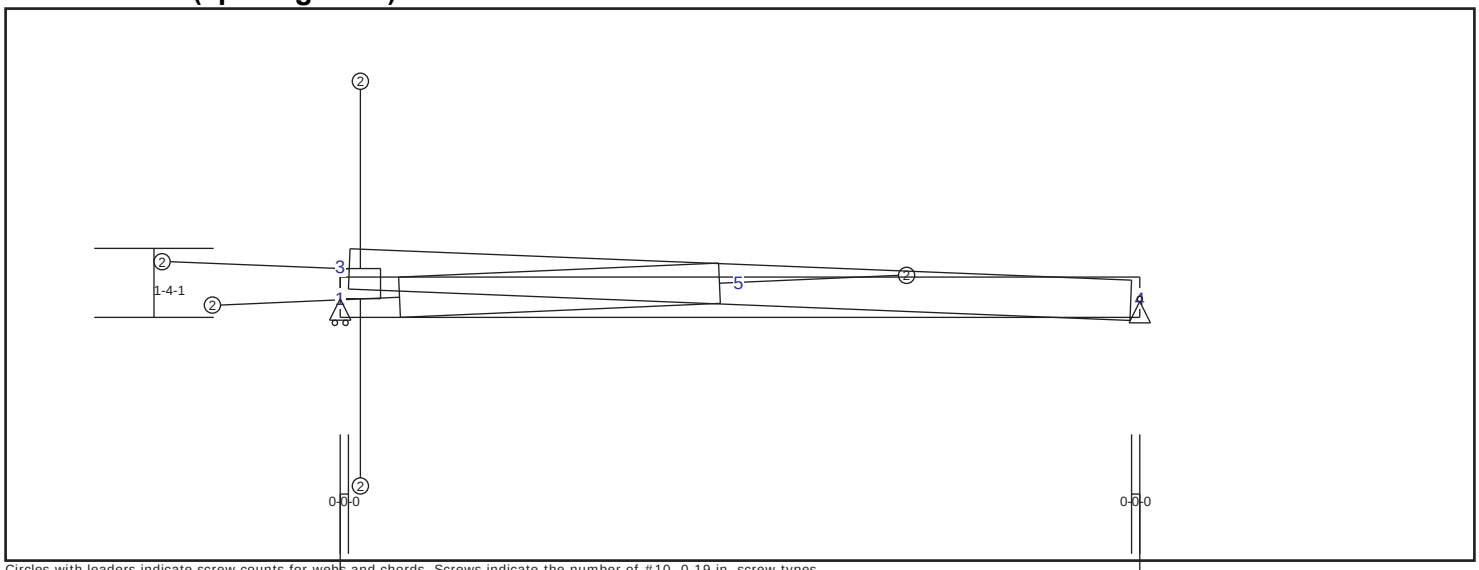
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.39	81 lbs	-53 lbs	1-5	0.46	-146 lbs	-146 lbs	1-3	0.01	-47 lbs	-47 lbs
4-6	0.23	56 lbs	-12 lbs	2-5	0.39	0 lbs	0 lbs	5-6	0.04	-203 lbs	-203 lbs
								2-4	0.01	67 lbs	-26 lbs
								1-6	0.02	201 lbs	-78 lbs

TRUSS TL14 (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 :	0.08 (5 - 4)	TL(V): 0 in.	L / 999	(3-5)	L / 90
BC :	0.06 (1 - 4)	LL(V): 0 in.	L / 999	(3-5)	L / 90
Web :	0.03 (1 - 5)	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.		1	
		Web :			
		Snow/Wind 0 in.	L / 999	(3-5)	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
1	HRoll		0 lbs	120 lbs	0 lbs	-80 lbs	0 lbs
4	Pin		-80 lbs	110 lbs	0 lbs	-40 lbs	-80 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-5-2	2-8-2

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

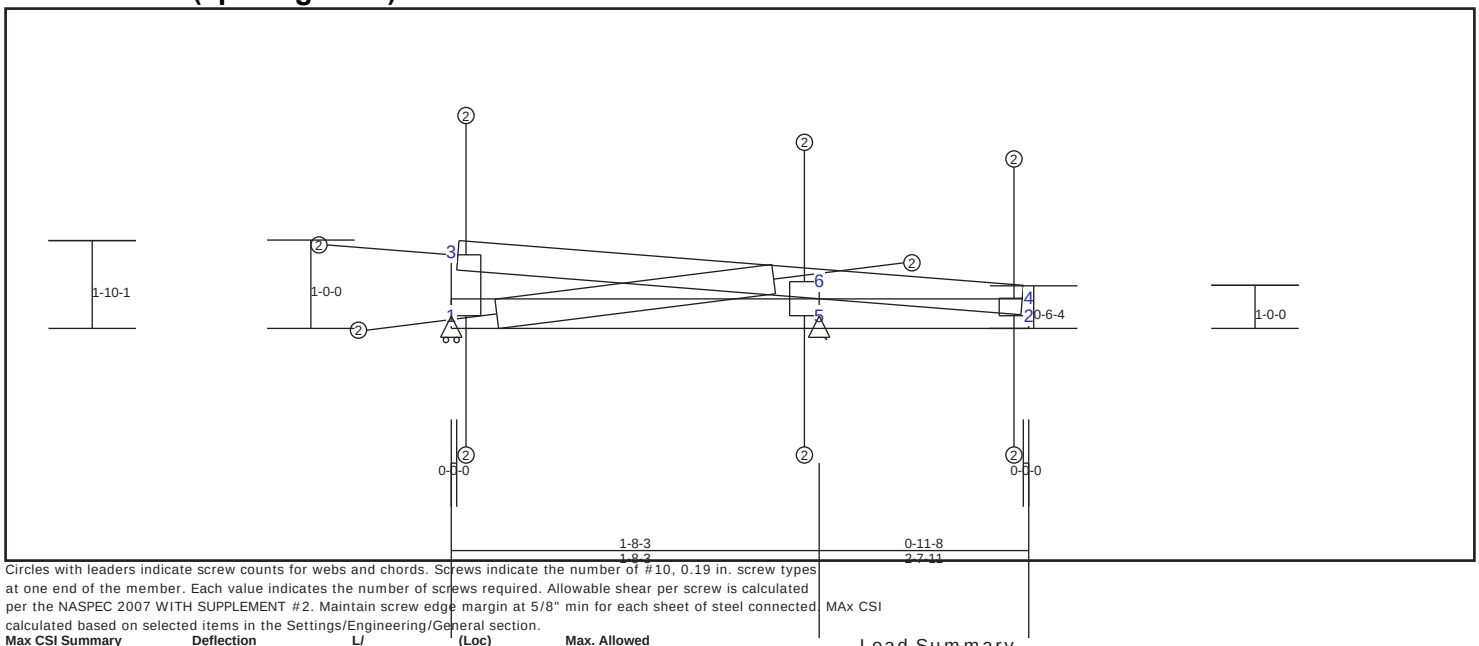
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-5	0.07	-131 lbs	-131 lbs	1-4	0.06	122 lbs	-103 lbs	1-3	0.01	-43 lbs	-43 lbs
4-5	0.08	-131 lbs	-131 lbs					1-5	0.03	-139 lbs	-139 lbs

TRUSS TL15 (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 :	0.16 (3 - 6)	TL(V): 0 in.	L / 999	(3-6)	L / 90
BC :	0.24 (1 - 5)	LL(V): 0 in.	L / 999	(3-6)	L / 90
Web :	0.02 (5 - 6)	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.		4	
		Web :			
		Snow/Wind 0 in.	L / 999	(3-6)	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
1	HRoll		0 lbs	-100 lbs	-10 lbs	-100 lbs	0 lbs
5	Fixed		-100 lbs	170 lbs	0 lbs	-80 lbs	-100 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-9-12	2-7-11

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

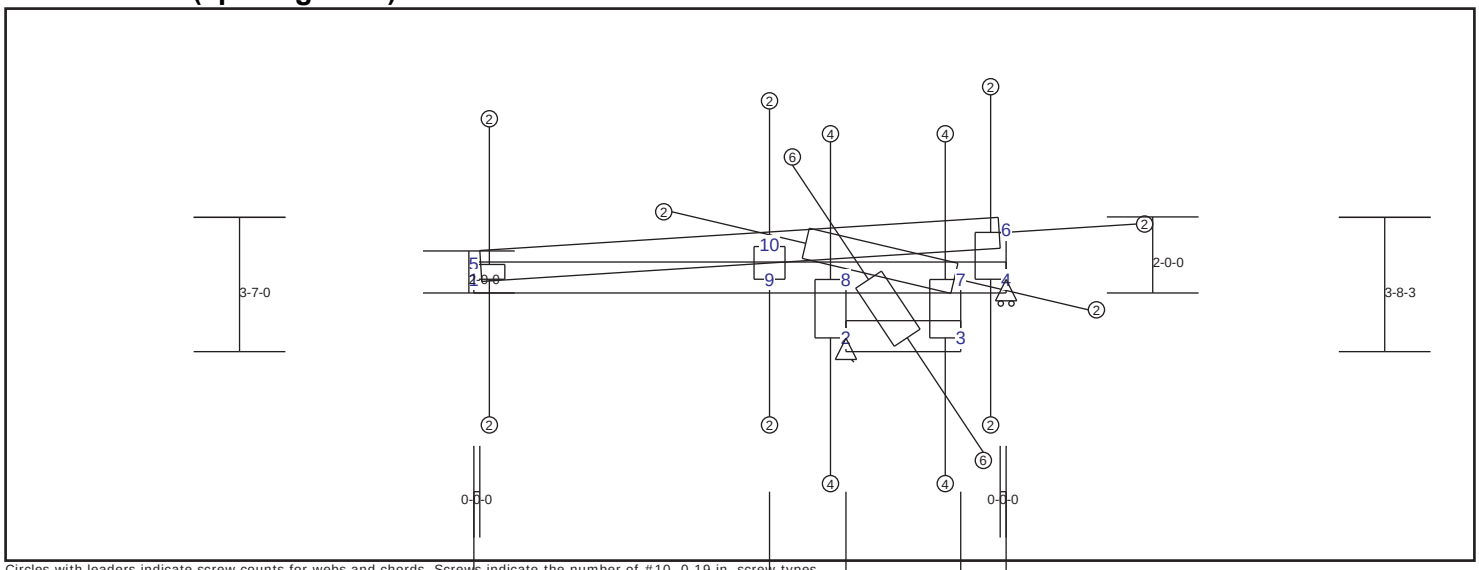
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.16	46 lbs	-36 lbs	1-5	0.24	-102 lbs	-102 lbs	1-3	0.01	-50 lbs	-50 lbs
4-6	0.11	36 lbs	-8 lbs	2-5	0.19	0 lbs	0 lbs	2-4	0.01	55 lbs	-17 lbs
								5-6	0.02	-130 lbs	-130 lbs
								1-6	0.02	130 lbs	-55 lbs

TRUSS TL16 (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 :	0.23 (5 - 10)	TL(V): 0.01 in.	L / 999	(1-9)	L / 90
BC :	0.62 (8 - 7)	LL(V): 0.01 in.	L / 999	(1-9)	L / 90
Web :	0.13 (2 - 8)	DL(V): 0 in.	L / 999	(5-10)	L / 0
		Cant / OH TL: 0.01 in.	2L / 999	(1-9)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 999	(1-9)	2L / 90
		Horiz TL: 0 in.		6	
		Web :			
		Snow/Wind -0.02 in.	L / 999	(5-10)	L / 90
		Cant (Snow/Wind) -0.02 in.	L / 999	(5-10)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	Fixed		80 lbs	270 lbs	0 lbs	0 lbs	80 lbs
4	HRoll		0 lbs	-200 lbs	-140 lbs	-200 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
3-7-13	2-3-14

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

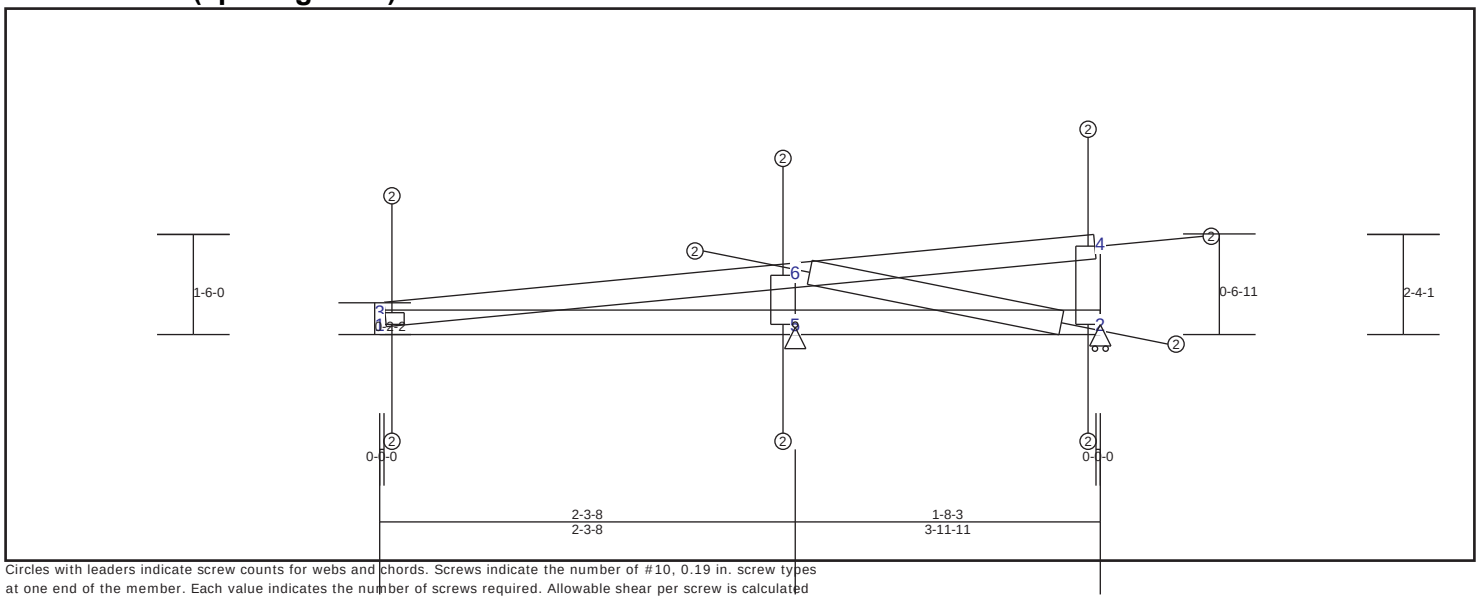
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
5-10	0.23	-39 lbs	-39 lbs	2-3	0.48	-83 lbs	-83 lbs	1-5	0.00	22 lbs	-12 lbs
6-10	0.21	-39 lbs	-39 lbs	1-9	0.15	0 lbs	0 lbs	3-7	0.10	-477 lbs	-477 lbs
				8-9	0.40	0 lbs	0 lbs	4-6	0.01	-27 lbs	-27 lbs
				7-8	0.62	-83 lbs	-83 lbs	2-8	0.13	-629 lbs	-629 lbs
				4-7	0.17	0 lbs	0 lbs	9-10	0.03	-159 lbs	-159 lbs
								3-8	0.12	980 lbs	-440 lbs
								4-10	0.02	174 lbs	-78 lbs

TRUSS TL17 (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 :	0.58 (6 - 4)	TL(V): 0.09 in.	L / 587	(3-6)	L / 90
BC :	0.48 (1 - 5)	LL(V): 0.06 in.	L / 896	(3-6)	L / 90
Web :	0.05 (5 - 6)	DL(V): 0.03 in.	L / 999	(3-6)	L / 0
		Cant / OH TL: 0.06 in.	2L / 900	(3-6)	2L / 90
		Cant / OH LL: 0.06 in.	2L / 900	(3-6)	2L / 90
		Horiz TL: 0.03 in.		3	
		Web :			
		Snow/Wind -0.09 in.	L / 591	(3-6)	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 594	(3-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	-190 lbs	-110 lbs	-190 lbs	0 lbs
5	Pin		190 lbs	400 lbs	0 lbs	-140 lbs	190 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-3-12	3-11-11

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

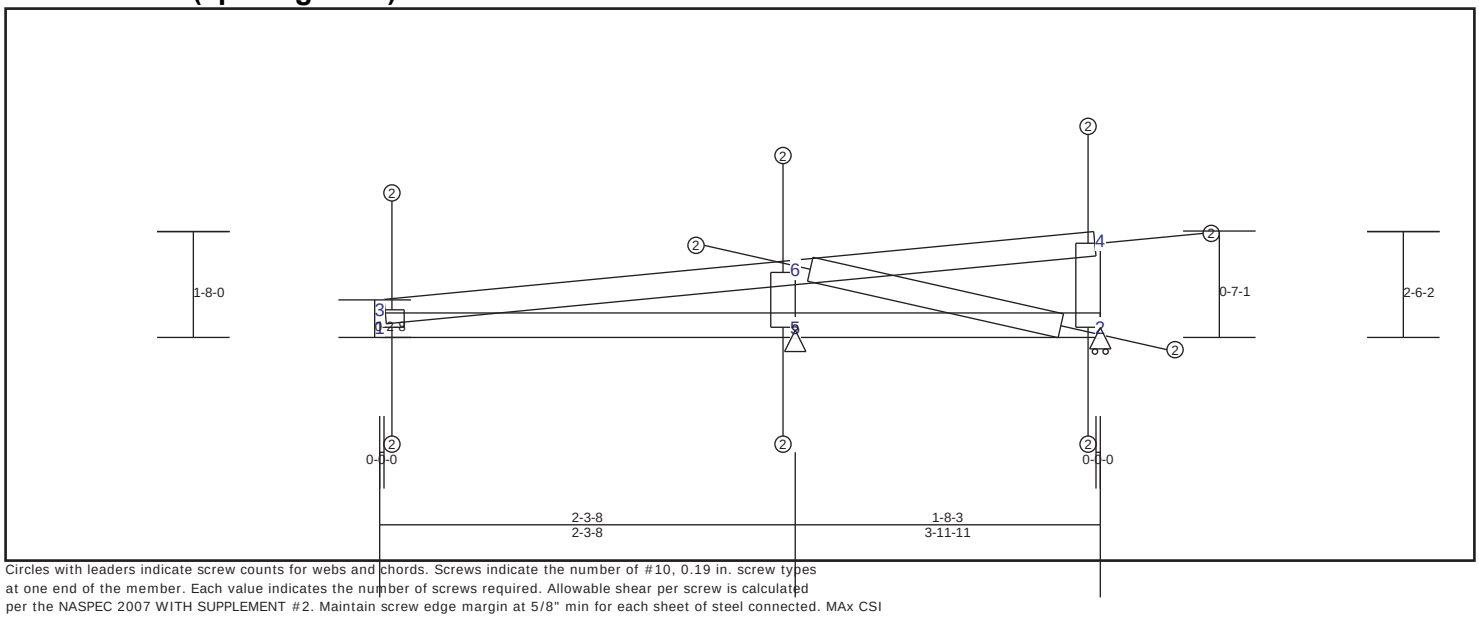
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.56	-68 lbs	-68 lbs	1-5	0.48	-190 lbs	-190 lbs	1-3	0.01	44 lbs	-37 lbs
4-6	0.58	-68 lbs	-68 lbs	2-5	0.42	-190 lbs	-190 lbs	5-6	0.05	-263 lbs	-263 lbs
								2-4	0.01	48 lbs	-1 lbs
								2-6	0.03	275 lbs	-95 lbs

TRUSS TL18 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.59 (6 - 4)	TL(V): 0.09 in.	L / 586	(3-6)	L / 90
BC :	0.48 (1 - 5)	LL(V): 0.06 in.	L / 894	(3-6)	L / 90
Web :	0.05 (5 - 6)	DL(V): 0.03 in.	L / 999	(3-6)	L / 0
		Cant / OH TL: 0.06 in.	2L / 899	(3-6)	2L / 90
		Cant / OH LL: 0.06 in.	2L / 899	(3-6)	2L / 90
		Horiz TL: 0.03 in.		3	
		Web :			
		Snow/Wind -0.09 in.	L / 585	(3-6)	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 588	(3-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	-210 lbs	-110 lbs	-210 lbs	0 lbs
5	Pin		190 lbs	400 lbs	0 lbs	-120 lbs	190 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-5-12	3-11-11

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

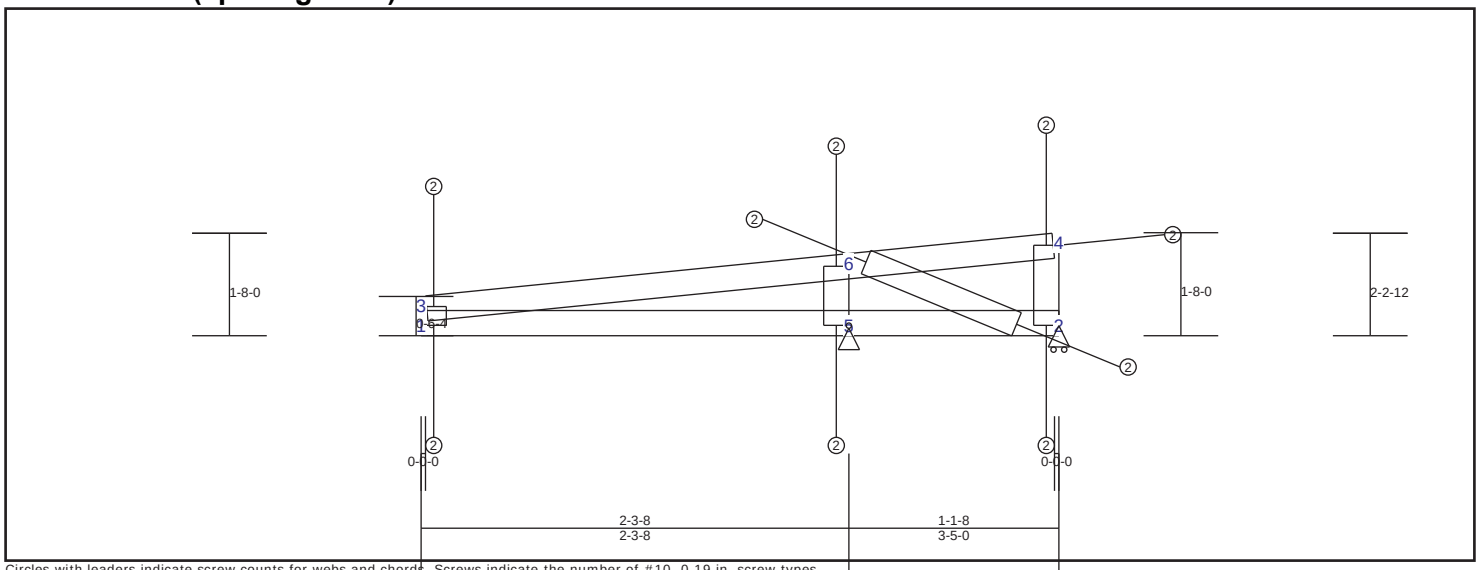
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.56	-67 lbs	-67 lbs	1-5	0.48	-190 lbs	-190 lbs	1-3	0.01	45 lbs	-37 lbs
4-6	0.59	-67 lbs	-67 lbs	2-5	0.42	-190 lbs	-190 lbs	2-4	0.01	46 lbs	-1 lbs
								5-6	0.05	-259 lbs	-259 lbs
								2-6	0.04	293 lbs	-101 lbs

TRUSS TL19 (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 (3 - 6)	TL(V): 0.08 in.	L / 570	(3-6)	L / 90
BC :	0.49 (1 - 5)	LL(V): 0.05 in.	L / 868	(3-6)	L / 90
Web :	0.05 (5 - 6)	DL(V): 0.03 in.	L / 999	(3-6)	L / 0
		Cant / OH TL: 0.05 in.	2L / 999	(3-6)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 999	(3-6)	2L / 90
		Horiz TL: 0.03 in.		3	
		Web :			
		Snow/Wind -0.08 in.	L / 511	(1-5)	L / 90
		Cant (Snow/Wind) -0.08 in.	L / 671	(1-5)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	-180 lbs	-160 lbs	-180 lbs	0 lbs
5	Pin		150 lbs	440 lbs	0 lbs	-110 lbs	150 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-2-6	3-5-0

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

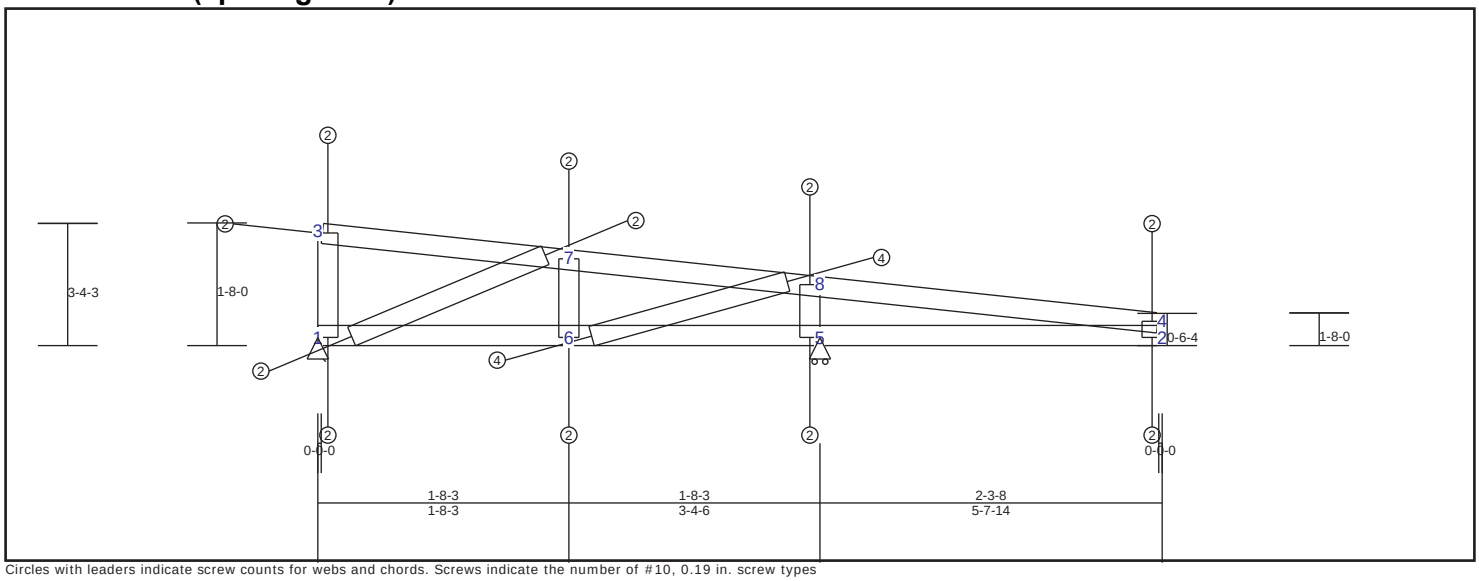
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.55	-67 lbs	-67 lbs	1-5	0.49	-152 lbs	-152 lbs	1-3	0.01	47 lbs	-38 lbs
4-6	0.50	-67 lbs	-67 lbs	2-5	0.43	-152 lbs	-152 lbs	5-6	0.05	-258 lbs	-258 lbs
								2-4	0.01	74 lbs	-65 lbs
								2-6	0.04	349 lbs	-129 lbs

TRUSS TL20 (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 :	0.62 (7 - 8)	TL(V): 0.11 in.	L / 677	(8-4)	L / 90
BC :	0.95 (6 - 5)	LL(V): 0.07 in.	L / 999	(8-4)	L / 90
Web :	0.05 (5 - 8)	DL(V): 0.04 in.	L / 999	(8-4)	L / 0
		Cant / OH TL: 0.07 in.	2L / 0	(8-4)	2L / 90
		Cant / OH LL: 0.07 in.	2L / 0	(8-4)	2L / 90
		Horiz TL: -0.04 in.		4	
		Web :			
		Snow/Wind -0.22 in.	L / 304	(5-2)	L / 90
		Cant (Snow/Wind) -0.22 in.	L / 0	(5-2)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Fixed		-230 lbs	-140 lbs	-10 lbs	-140 lbs	-230 lbs
5	HRoll		0 lbs	430 lbs	0 lbs	-310 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
3-3-13	5-7-14

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

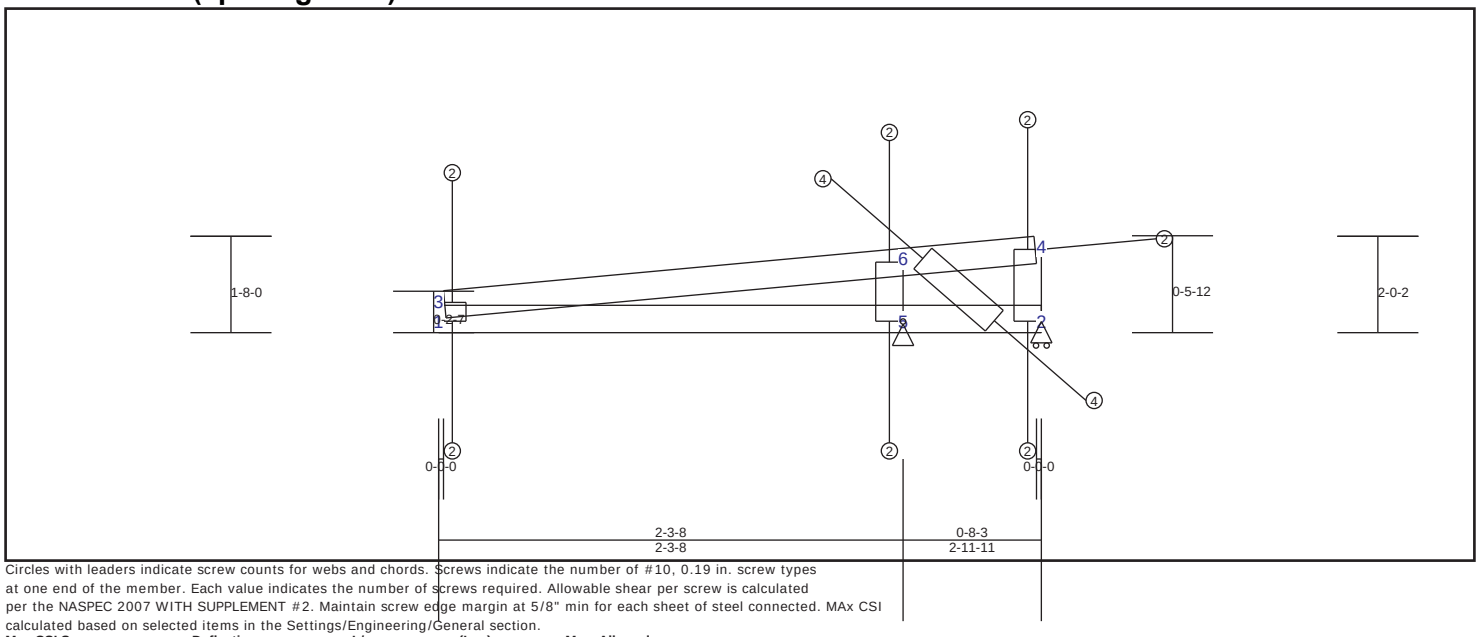
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.19	-42 lbs	-42 lbs	1-6	0.11	231 lbs	-94 lbs	6-7	0.03	-156 lbs	-156 lbs
7-8	0.62	101 lbs	-65 lbs	5-6	0.95	231 lbs	-72 lbs	2-4	0.01	92 lbs	-40 lbs
4-8	0.43	78 lbs	-18 lbs	2-5	0.83	0 lbs	0 lbs	5-8	0.05	-262 lbs	-262 lbs
								1-3	0.02	75 lbs	-72 lbs
								1-7	0.01	105 lbs	-57 lbs
								6-8	0.05	379 lbs	-119 lbs

TRUSS TL21 (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 :	0.71 (6 - 4)	TL(V): 0.07 in.	L / 572	(3-6)	L / 90
BC :	0.50 (1 - 5)	LL(V): 0.04 in.	L / 869	(3-6)	L / 90
Web :	0.07 (6 - 2)	DL(V): 0.02 in.	L / 999	(3-6)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(3-6)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(3-6)	2L / 90
		Horiz TL: 0.02 in.		3	
		Web :			
		Snow/Wind -0.07 in.	L / 567	(3-6)	L / 90
		Cant (Snow/Wind) -0.07 in.	L / 771	(3-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	-260 lbs	-260 lbs	-260 lbs	0 lbs
5	Pin		120 lbs	540 lbs	0 lbs	-130 lbs	120 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-11-12	2-11-11

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

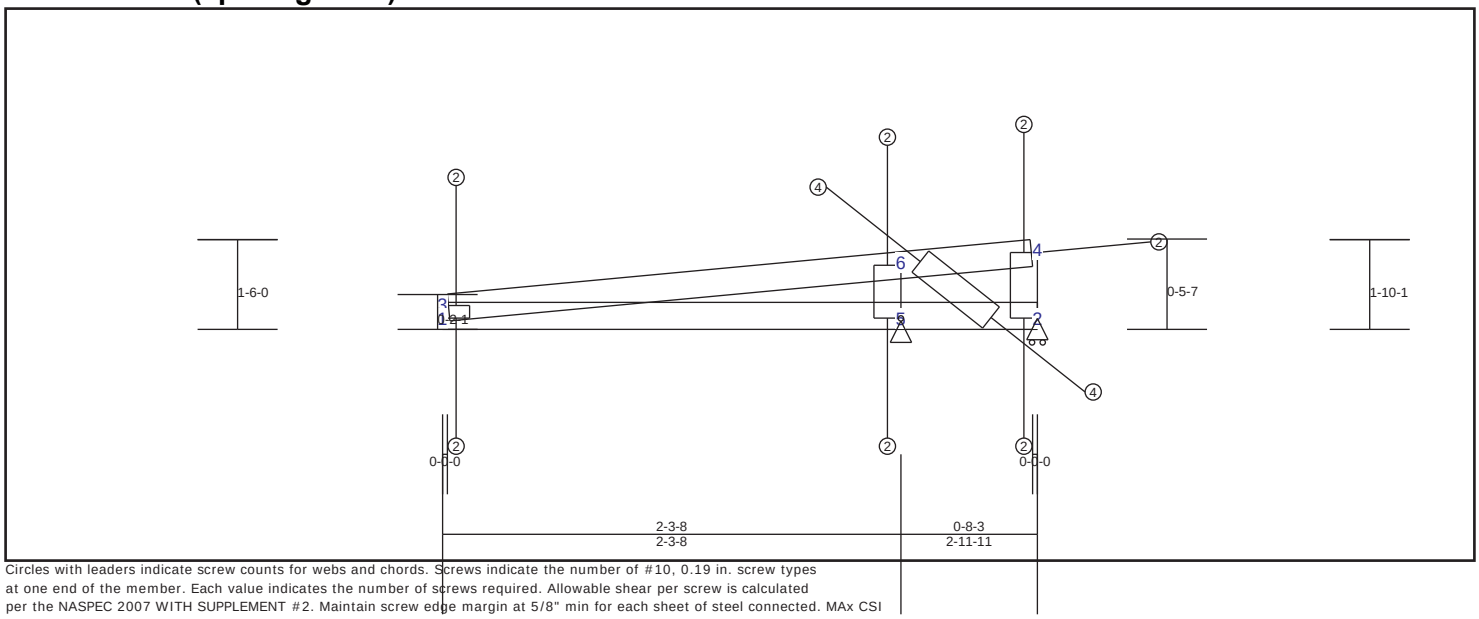
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.61	-92 lbs	-92 lbs	1-5	0.50	-122 lbs	-122 lbs	1-3	0.01	48 lbs	-38 lbs
4-6	0.71	116 lbs	-99 lbs	2-5	0.44	-122 lbs	-122 lbs	5-6	0.07	-350 lbs	-350 lbs
								2-4	0.05	-260 lbs	-260 lbs
								2-6	0.07	588 lbs	-234 lbs

TRUSS TL22 (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 :	0.68 (6 - 4)	TL(V): 0.07 in.	L / 572	(3-6)	L / 90
BC :	0.49 (1 - 5)	LL(V): 0.04 in.	L / 871	(3-6)	L / 90
Web :	0.06 (6 - 2)	DL(V): 0.02 in.	L / 999	(3-6)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(3-6)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(3-6)	2L / 90
		Horiz TL: 0.02 in.		3	
		Web :			
		Snow/Wind -0.07 in.	L / 516	(1-5)	L / 90
		Cant (Snow/Wind) -0.07 in.	L / 784	(1-5)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	-260 lbs	-250 lbs	-260 lbs	0 lbs
5	Pin		120 lbs	540 lbs	0 lbs	-160 lbs	120 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-9-12	2-11-11

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

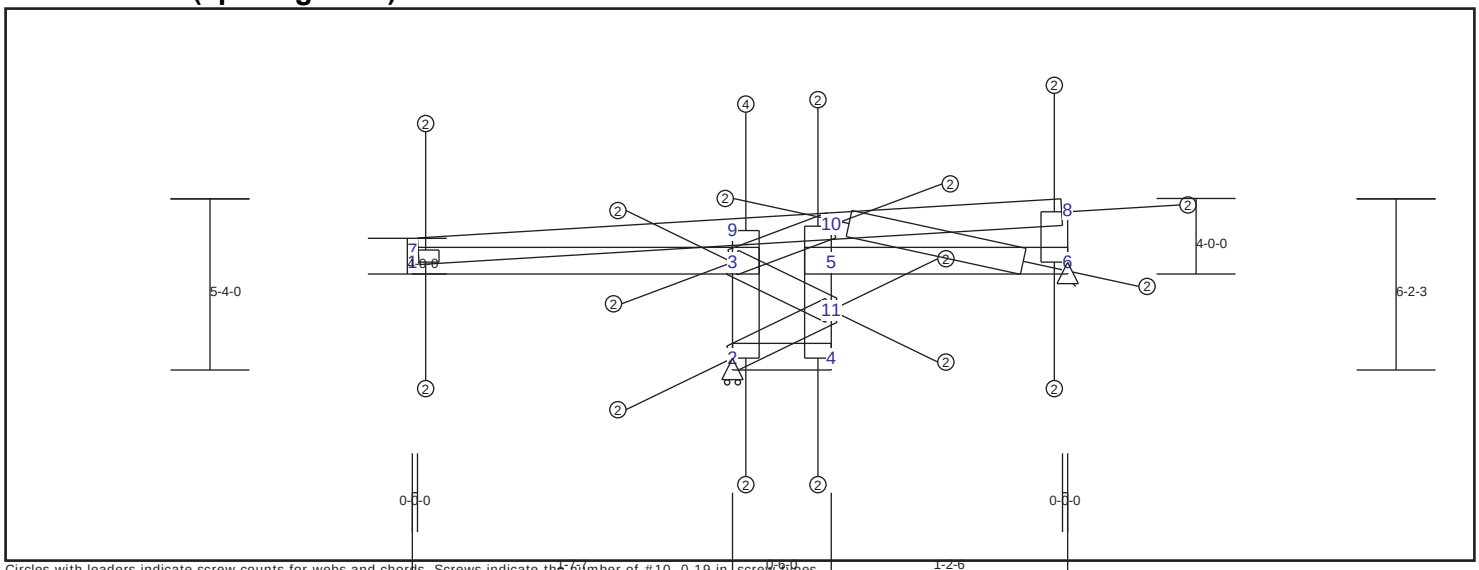
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.59	-82 lbs	-82 lbs	1-5	0.49	-122 lbs	-122 lbs	1-3	0.01	47 lbs	-38 lbs
4-6	0.68	111 lbs	-98 lbs	2-5	0.44	-122 lbs	-122 lbs	5-6	0.06	-327 lbs	-327 lbs
								2-4	0.05	-248 lbs	-248 lbs
								2-6	0.06	531 lbs	-211 lbs

TRUSS TL23 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw type 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 (9 - 10)	TL(V): 0.03 in.	L / 699	(1-3)	L / 90
BC :	0.40 (1 - 3)	LL(V): 0.02 in.	L / 999	(1-3)	L / 90
Web :	0.42 (5 - 10)	DL(V): 0.01 in.	L / 999	(7-9)	L / 0
		Cant / OH TL: 0.02 in.	2L / 999	(1-3)	2L / 90
		Cant / OH LL: 0.02 in.	2L / 999	(1-3)	2L / 90
		Horiz TL: 0.01 in.		7	
		Web :			
		Snow/Wind -0.05 in.	L / 355	(1-3)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 709	(1-3)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	300 lbs	0 lbs	-230 lbs	0 lbs
6	Fixed		140 lbs	-70 lbs	-10 lbs	-70 lbs	140 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-1-15	3-3-14

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

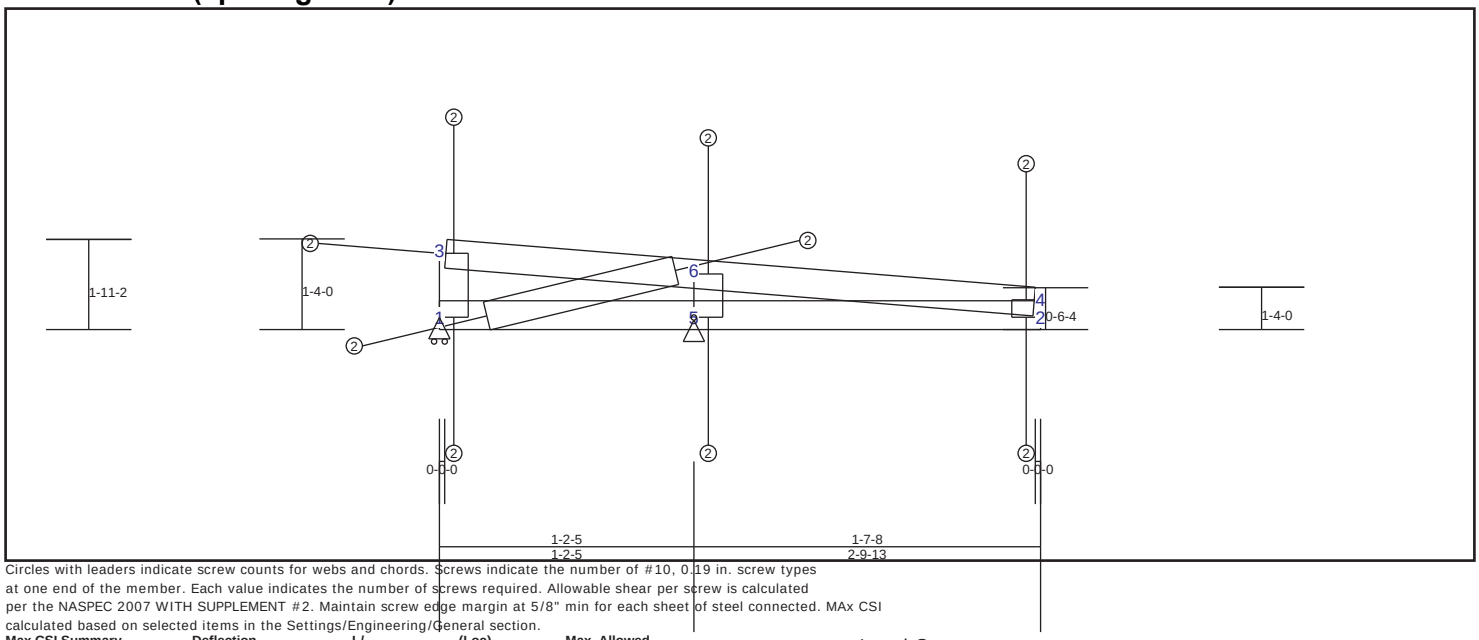
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
7-9	0.24	54 lbs	-11 lbs	2-4	0.00	-22 lbs	-22 lbs	2-3	0.12	423 lbs	-324 lbs
9-10	0.34	186 lbs	-62 lbs	1-3	0.40	30 lbs	-8 lbs	3-9	0.22	443 lbs	-324 lbs
8-10	0.18	-20 lbs	-20 lbs	5-6	0.14	143 lbs	-54 lbs	4-11	0.17	109 lbs	-53 lbs
								5-11	0.28	-136 lbs	-136 lbs
								5-10	0.42	-209 lbs	-209 lbs
								6-8	0.01	-37 lbs	-37 lbs
								1-7	0.01	58 lbs	-25 lbs
								3-11	0.03	252 lbs	-94 lbs
								3-10	0.02	-97 lbs	-97 lbs
								2-11	0.01	112 lbs	-57 lbs
								6-10	0.02	152 lbs	-59 lbs

TRUSS TL24 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.28 (3 - 6)	TL(V): 0.01 in.	L / 999	(6-4)	L / 90
BC :	0.24 (5 - 2)	LL(V): 0.01 in.	L / 999	(6-4)	L / 90
Web :	0.03 (5 - 6)	DL(V): 0 in.	L / 999	(3-6)	L / 0
		Cant / OH TL: 0.01 in.	2L / 1	(6-4)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 1	(6-4)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.02 in.	L / 999	(6-4)	L / 90
		Cant (Snow/Wind) -0.02 in.	L / 0	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-160 lbs	-100 lbs	-160 lbs	0 lbs
5	Pin		-130 lbs	270 lbs	0 lbs	-70 lbs	-130 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-10-12	2-9-13

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

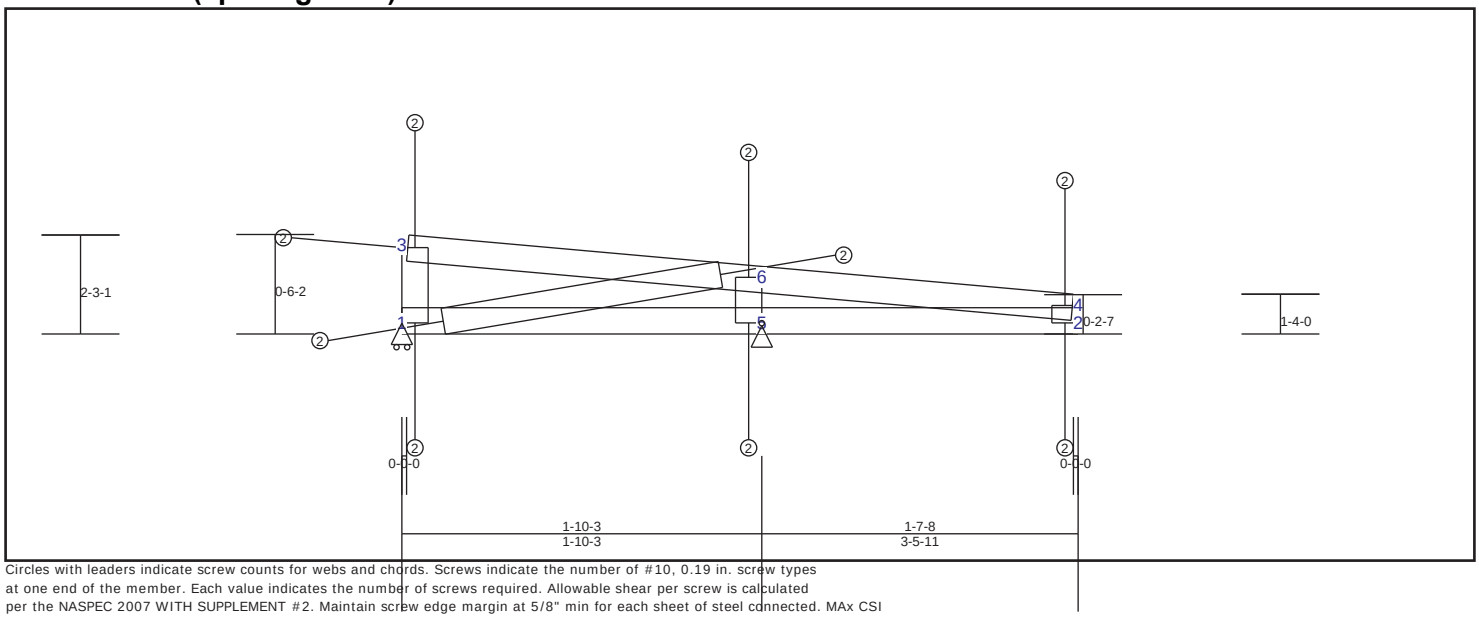
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.28	-44 lbs	-44 lbs	1-5	0.21	-132 lbs	-132 lbs	2-4	0.00	34 lbs	-26 lbs
4-6	0.26	45 lbs	-44 lbs	2-5	0.24	-132 lbs	-132 lbs	1-3	0.00	22 lbs	-2 lbs
								5-6	0.03	-173 lbs	-173 lbs
								1-6	0.03	237 lbs	-82 lbs

TRUSS TL25 (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 :	0.43 (3 - 6)	TL(V): 0.03 in.	L / 999	(6-4)	L / 90
BC :	0.52 (1 - 5)	LL(V): 0.02 in.	L / 999	(6-4)	L / 90
Web :	0.04 (5 - 6)	DL(V): 0.01 in.	L / 999	(6-4)	L / 0
		Cant / OH TL: 0.02 in.	2L / 999	(6-4)	2L / 90
		Cant / OH LL: 0.02 in.	2L / 999	(6-4)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.07 in.	L / 656	(6-4)	L / 90
		Cant (Snow/Wind) -0.07 in.	L / 571	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-80 lbs	-30 lbs	-80 lbs	0 lbs
5	Pin		-150 lbs	300 lbs	0 lbs	-210 lbs	-150 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-2-12	3-5-11

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

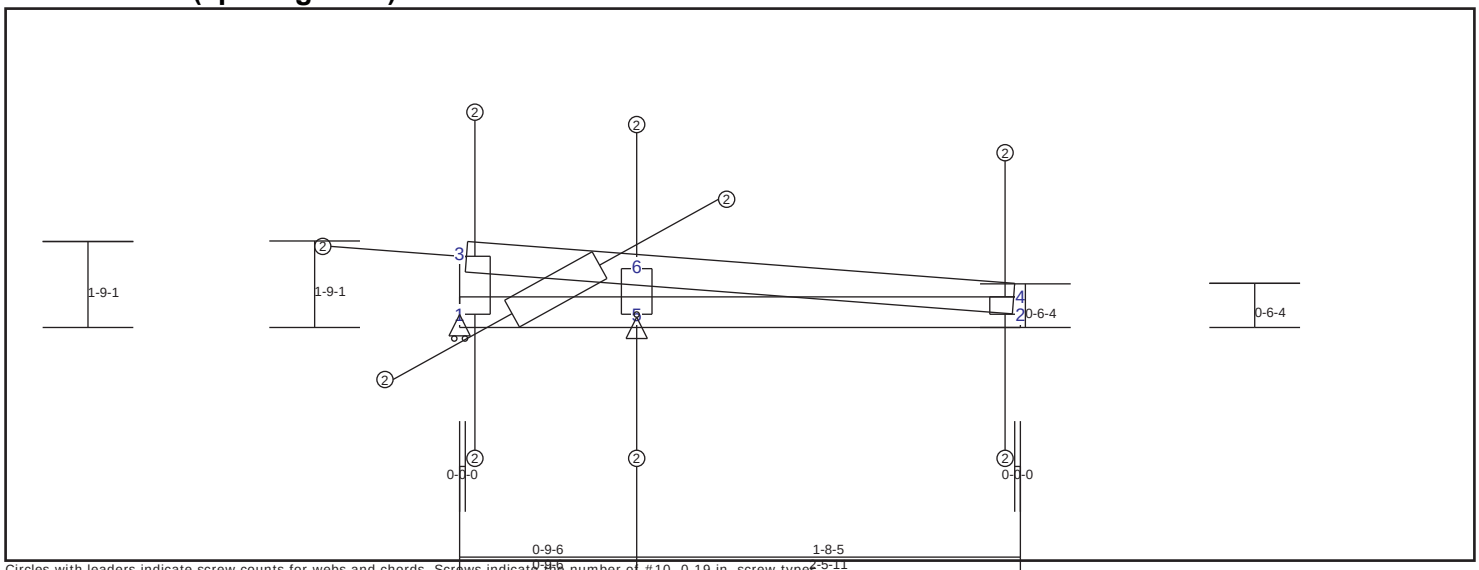
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.43	86 lbs	-53 lbs	1-5	0.52	-146 lbs	-146 lbs	1-3	0.01	-47 lbs	-47 lbs
4-6	0.23	56 lbs	-12 lbs	2-5	0.39	0 lbs	0 lbs	2-4	0.01	67 lbs	-26 lbs
								5-6	0.04	-203 lbs	-203 lbs
								1-6	0.02	201 lbs	-78 lbs

TRUSS TL26 (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 :	0.39 (3 - 6)	TL(V): 0.02 in.	L / 999	(6-4)	L / 90
BC :	0.29 (1 - 5)	LL(V): 0.02 in.	L / 999	(6-4)	L / 90
Web :	0.04 (5 - 6)	DL(V): 0 in.	L / 999	(3-6)	L / 0
		Cant / OH TL: 0.02 in.	2L / 999	(6-4)	2L / 90
		Cant / OH LL: 0.02 in.	2L / 999	(6-4)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.03 in.	L / 999	(6-4)	L / 90
		Cant (Snow/Wind) -0.03 in.	L / 999	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-120 lbs	-120 lbs	-120 lbs	0 lbs
5	Pin		-80 lbs	350 lbs	0 lbs	-90 lbs	-80 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-8-12	2-5-11

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

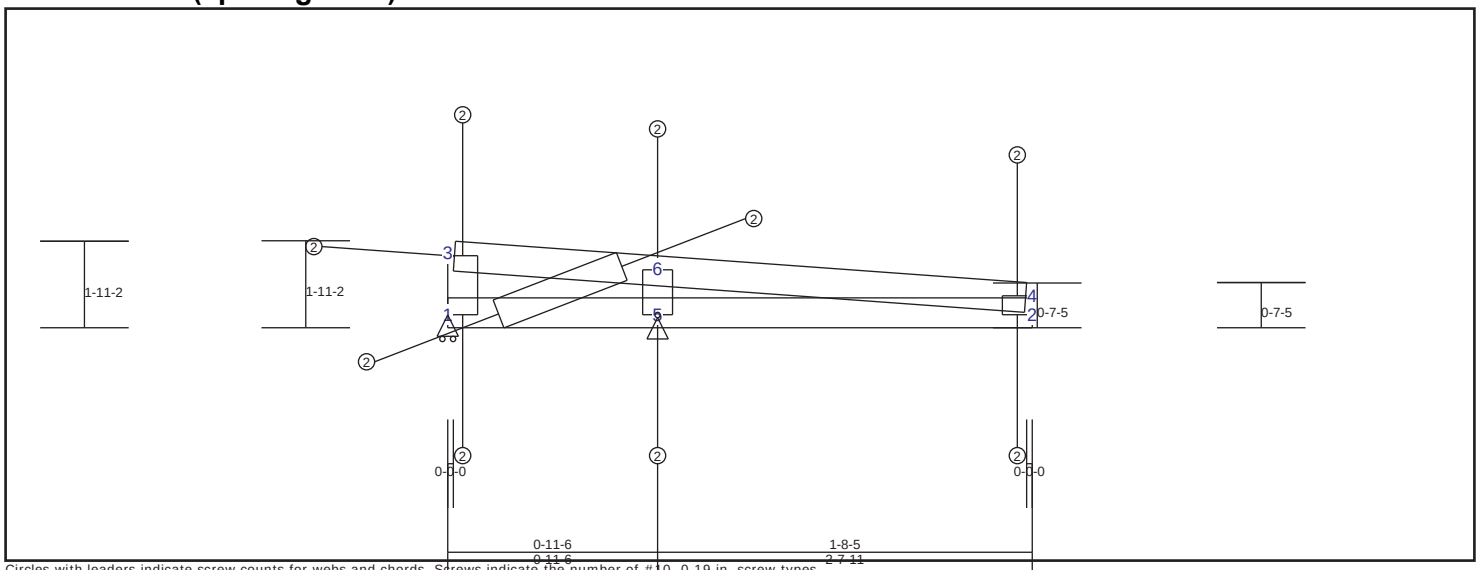
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.39	60 lbs	-55 lbs	1-5	0.29	-84 lbs	-84 lbs	1-3	0.03	-134 lbs	-134 lbs
4-6	0.31	49 lbs	-47 lbs	2-5	0.29	-84 lbs	-84 lbs	5-6	0.04	-214 lbs	-214 lbs
								2-4	0.01	38 lbs	-30 lbs
								1-6	0.04	317 lbs	-150 lbs

TRUSS TL27 (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 :	0.31 (6 - 4)	TL(V): 0.02 in.	L / 999	(6-4)	L / 90
BC :	0.29 (1 - 5)	LL(V): 0.02 in.	L / 999	(6-4)	L / 90
Web :	0.04 (5 - 6)	DL(V): 0 in.	L / 999	(3-6)	L / 0
		Cant / OH TL: 0.02 in.	2L / 1	(6-4)	2L / 90
		Cant / OH LL: 0.02 in.	2L / 1	(6-4)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.03 in.	L / 999	(6-4)	L / 90
		Cant (Snow/Wind) -0.03 in.	L / 0	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-100 lbs	-100 lbs	-100 lbs	0 lbs
5	Pin		-90 lbs	320 lbs	0 lbs	-80 lbs	-90 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-10-12	2-7-11

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

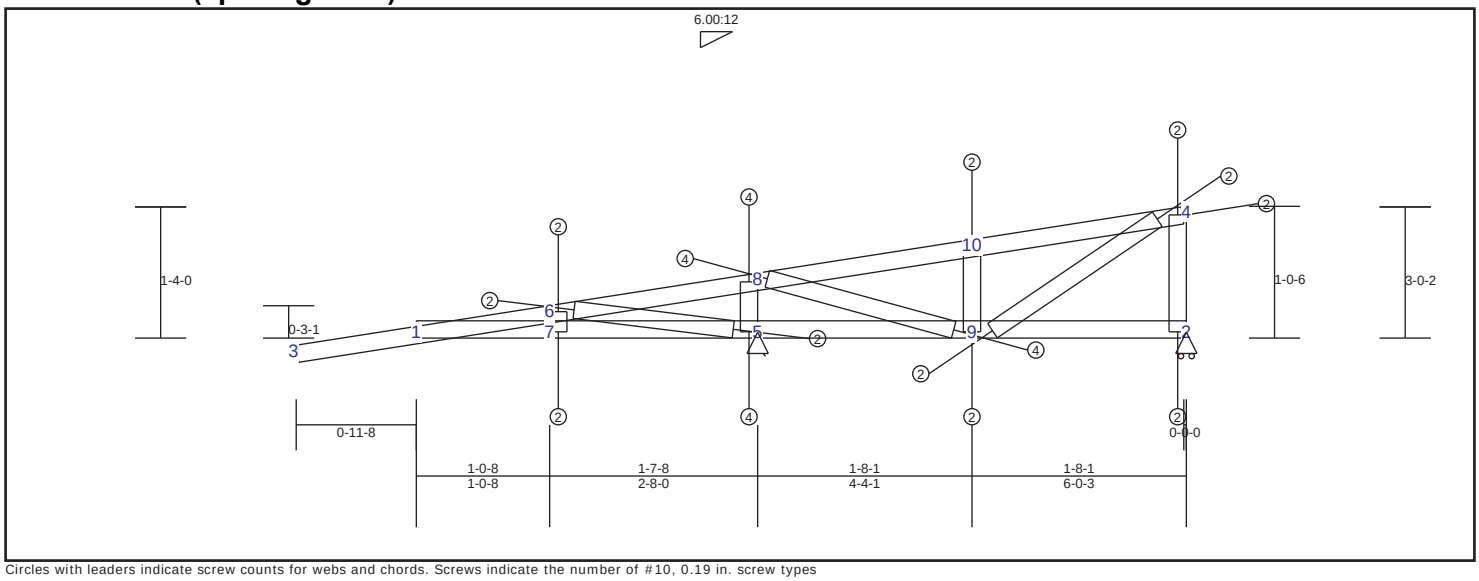
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.29	-46 lbs	-46 lbs	1-5	0.29	-90 lbs	-90 lbs	1-3	0.02	-76 lbs	-76 lbs
4-6	0.31	49 lbs	-45 lbs	2-5	0.29	-90 lbs	-90 lbs	5-6	0.04	-192 lbs	-192 lbs
								2-4	0.01	38 lbs	-29 lbs
								1-6	0.03	258 lbs	-122 lbs

TRUSS TL28 (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 :	0.57 (1 - 6)	TL(V): 0.02 in.	L / 999	(3-1)	L / 90
BC :	0.21 (1 - 7)	LL(V): 0.02 in.	L / 999	(3-1)	L / 90
Web :	0.12 (5 - 8)	DL(V): 0 in.	L / 999	(3-1)	L / 0
		Cant / OH TL: 0.02 in.	2L / 999	(3-1)	2L / 90
		Cant / OH LL: 0.02 in.	2L / 999	(3-1)	2L / 90
		Horiz TL: 0.01 in.		3	
		Web :			
		Snow/Wind -0.05 in.	L / 999	(3-1)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 568	(3-1)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	-190 lbs	-20 lbs	-190 lbs	0 lbs
5	Fixed		380 lbs	630 lbs	0 lbs	-510 lbs	380 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
3-6-15	6-11-11

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

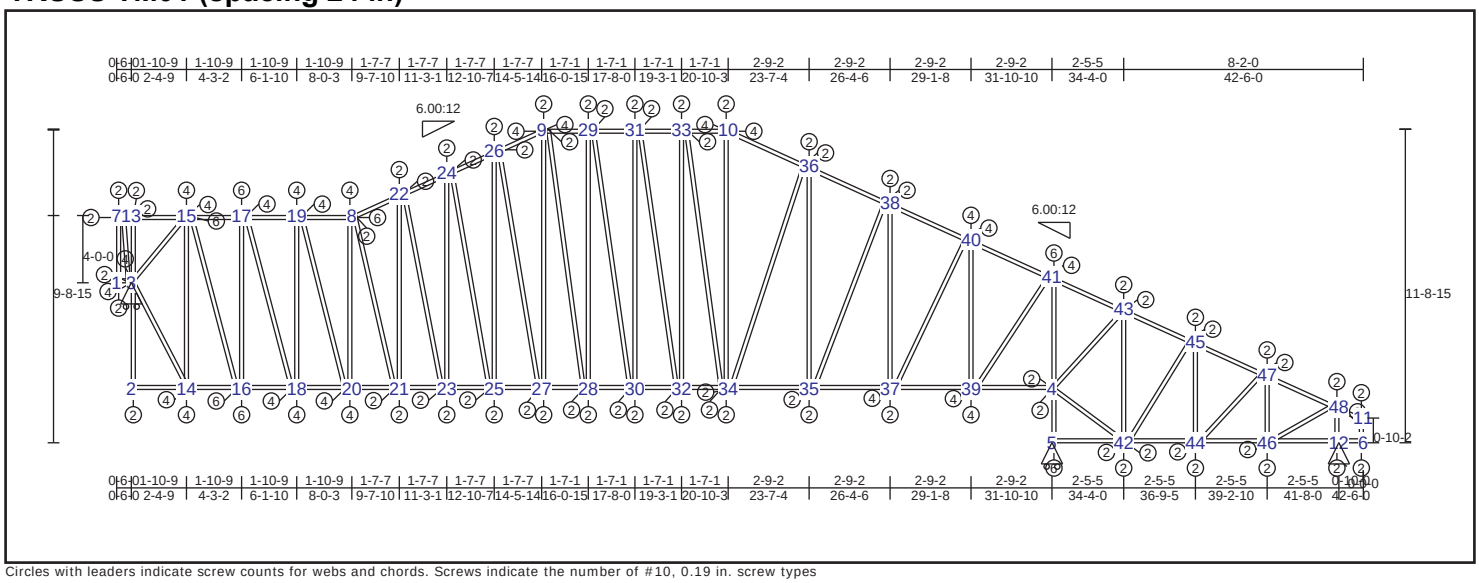
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
1-3	0.32	37 lbs	0 lbs	1-7	0.21	820 lbs	-447 lbs	6-7	0.01	83 lbs	-39 lbs
1-6	0.57	-762 lbs	-762 lbs	5-7	0.19	820 lbs	-447 lbs	9-10	0.04	354 lbs	-188 lbs
6-8	0.44	-762 lbs	-762 lbs	5-9	0.20	384 lbs	-372 lbs	2-4	0.02	196 lbs	-31 lbs
8-10	0.29	-357 lbs	-357 lbs	2-9	0.19	-74 lbs	-74 lbs	5-8	0.12	659 lbs	-626 lbs
4-10	0.19	-90 lbs	-90 lbs					8-9	0.10	-478 lbs	-478 lbs
								4-9	0.04	-176 lbs	-176 lbs
								5-6	0.02	-118 lbs	-118 lbs

TRUSS TM01 (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 :	0.85 (41 - 43)	TL(V): 0.09 in.	L / 917	(24-26)	L / 90
BC :	0.77 (14 - 16)	LL(V): 0.06 in.	L / 999	(24-26)	L / 90
Web :	0.47 (16 - 17)	DL(V): 0.03 in.	L / 999	(21-23)	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.		36	
		Web :			
		Snow/Wind -0.07 in.	L / 999	(21-23)	L / 90
		Cant (Snow/Wind) -0.01 in.	L / 999	(45-47)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
3	HRoll		0 lbs	940 lbs	0 lbs	-70 lbs	0 lbs
5	HRoll		0 lbs	2030 lbs	0 lbs	-1280 lbs	0 lbs
12	Fixed		-640 lbs	510 lbs	0 lbs	-140 lbs	-640 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-9-7	42-6-0

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

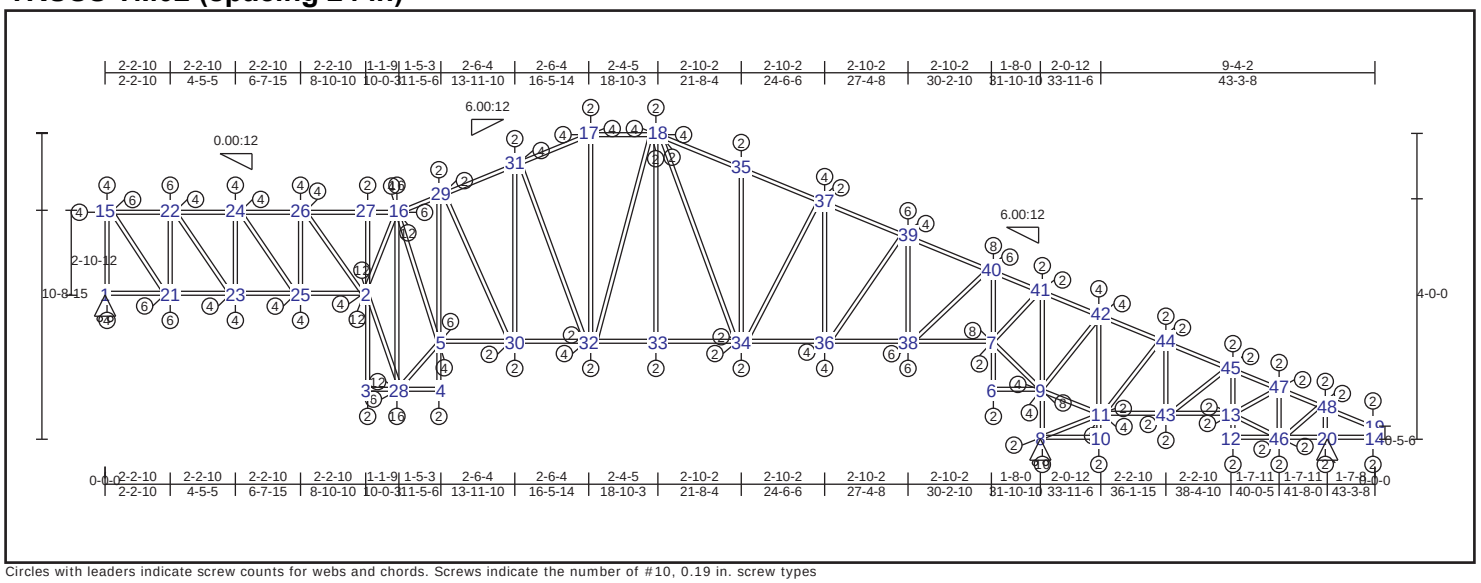
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
8-22	0.29	-1587 lbs	-1587 lbs	2-14	0.05	426 lbs	-278 lbs	1-7	0.01	54 lbs	-33 lbs	3-15	0.12	-746 lbs	-746 lbs
22-24	0.28	-1558 lbs	-1558 lbs	14-16	0.77	775 lbs	-500 lbs	2-3	0.19	10 lbs	0 lbs	3-14	0.13	1022 lbs	-666 lbs
24-26	0.31	-1524 lbs	-1524 lbs	16-18	0.77	1097 lbs	-700 lbs	3-13	0.20	70 lbs	-48 lbs	4-43	0.04	-226 lbs	-226 lbs
9-26	0.32	-1456 lbs	-1456 lbs	18-20	0.61	1348 lbs	-847 lbs	14-15	0.30	-964 lbs	-964 lbs	4-42	0.05	-336 lbs	-336 lbs
9-29	0.34	-1292 lbs	-1292 lbs	20-21	0.22	1371 lbs	-848 lbs	16-17	0.47	-1523 lbs	-1523 lbs	12-48	0.07	-521 lbs	-521 lbs
29-31	0.23	-1292 lbs	-1292 lbs	21-23	0.18	1371 lbs	-848 lbs	18-19	0.40	-1284 lbs	-1284 lbs	15-16	0.31	1496 lbs	-953 lbs
31-33	0.25	-1283 lbs	-1283 lbs	23-25	0.21	1344 lbs	-835 lbs	8-20	0.32	-1015 lbs	-1015 lbs	17-18	0.28	1381 lbs	-856 lbs
10-33	0.29	-1248 lbs	-1248 lbs	25-27	0.22	1291 lbs	-813 lbs	21-22	0.02	91 lbs	-46 lbs	19-20	0.23	1118 lbs	-722 lbs
10-36	0.39	-1370 lbs	-1370 lbs	27-28	0.27	1236 lbs	-809 lbs	23-24	0.10	-230 lbs	-230 lbs	8-21	0.04	-127 lbs	-127 lbs
36-38	0.41	-1379 lbs	-1379 lbs	28-30	0.19	1236 lbs	-821 lbs	25-26	0.19	-372 lbs	-372 lbs	22-23	0.06	216 lbs	-158 lbs
38-40	0.52	-1379 lbs	-1379 lbs	30-32	0.19	1228 lbs	-821 lbs	9-27	0.27	465 lbs	-459 lbs	24-25	0.16	368 lbs	-336 lbs
40-41	0.68	-1229 lbs	-1229 lbs	32-34	0.26	1192 lbs	-812 lbs	28-29	0.08	263 lbs	-132 lbs	26-27	0.25	472 lbs	-461 lbs
41-43	0.85	-701 lbs	-701 lbs	34-35	0.24	1145 lbs	-832 lbs	30-31	0.09	-160 lbs	-160 lbs	9-28	0.14	-235 lbs	-235 lbs
43-45	0.24	-272 lbs	-272 lbs	35-37	0.29	1145 lbs	-832 lbs	32-33	0.15	303 lbs	-247 lbs	29-30	0.07	145 lbs	-118 lbs
45-47	0.19	-359 lbs	-359 lbs	37-39	0.59	1042 lbs	-791 lbs	10-34	0.21	486 lbs	-351 lbs	31-32	0.16	-273 lbs	-273 lbs
47-48	0.26	-359 lbs	-359 lbs	4-39	0.59	740 lbs	-600 lbs	35-36	0.12	-260 lbs	-260 lbs	33-34	0.27	-454 lbs	-454 lbs
11-48	0.18	47 lbs	0 lbs	5-42	0.15	-258 lbs	-258 lbs	37-38	0.22	-617 lbs	-617 lbs	34-36	0.03	158 lbs	-57 lbs
7-13	0.05	10 lbs	-6 lbs	42-44	0.17	-445 lbs	-445 lbs	39-40	0.28	-1151 lbs	-1151 lbs	35-38	0.06	315 lbs	-141 lbs
13-15	0.54	-426 lbs	-426 lbs	44-46	0.12	-600 lbs	-600 lbs	4-5	0.29	-2031 lbs	-2031 lbs	37-40	0.14	759 lbs	-479 lbs
15-17	0.72	-775 lbs	-775 lbs	12-46	0.13	-641 lbs	-641 lbs	4-41	0.41	-2031 lbs	-2031 lbs	39-41	0.20	1339 lbs	-939 lbs
17-19	0.72	-1097 lbs	-1097 lbs	6-12	0.11	0 lbs	0 lbs	42-43	0.02	138 lbs	-108 lbs	42-45	0.06	383 lbs	-319 lbs
8-19	0.62	-1348 lbs	-1348 lbs	1-3	0.09	0 lbs	0 lbs	44-45	0.03	-203 lbs	-203 lbs	44-47	0.02	240 lbs	-121 lbs
								46-47	0.02	-163 lbs	-163 lbs	46-48	0.03	354 lbs	-30 lbs
								6-11	0.00	48 lbs	0 lbs	7-13	0.02	-152 lbs	-152 lbs

TRUSS TM02 (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 (40 - 41)	TL(V): 0.34 in.	L / 350	16	L / 90
BC :	0.83 (3 - 28)	LL(V): 0.23 in.	L / 524	16	L / 90
Web :	0.53 (28 - 16)	DL(V): 0.11 in.	L / 999	16	L / 0
		Cant / OH TL: 0.22 in.	2L / 33	(5-30)	2L / 90
		Cant / OH LL: 0.22 in.	2L / 33	(5-30)	2L / 90
		Horiz TL: -0.1 in.		1	
		Web :			
		Snow/Wind -0.25 in.	L / 346	(16-29)	L / 90
		Cant (Snow/Wind) -0.24 in.	L / 30	(5-30)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1320 lbs	0 lbs	-710 lbs	0 lbs
8	HRoll		0 lbs	2980 lbs	0 lbs	-1870 lbs	0 lbs
20	Fixed		-820 lbs	320 lbs	-20 lbs	-160 lbs	-820 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-9-9	43-3-8

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

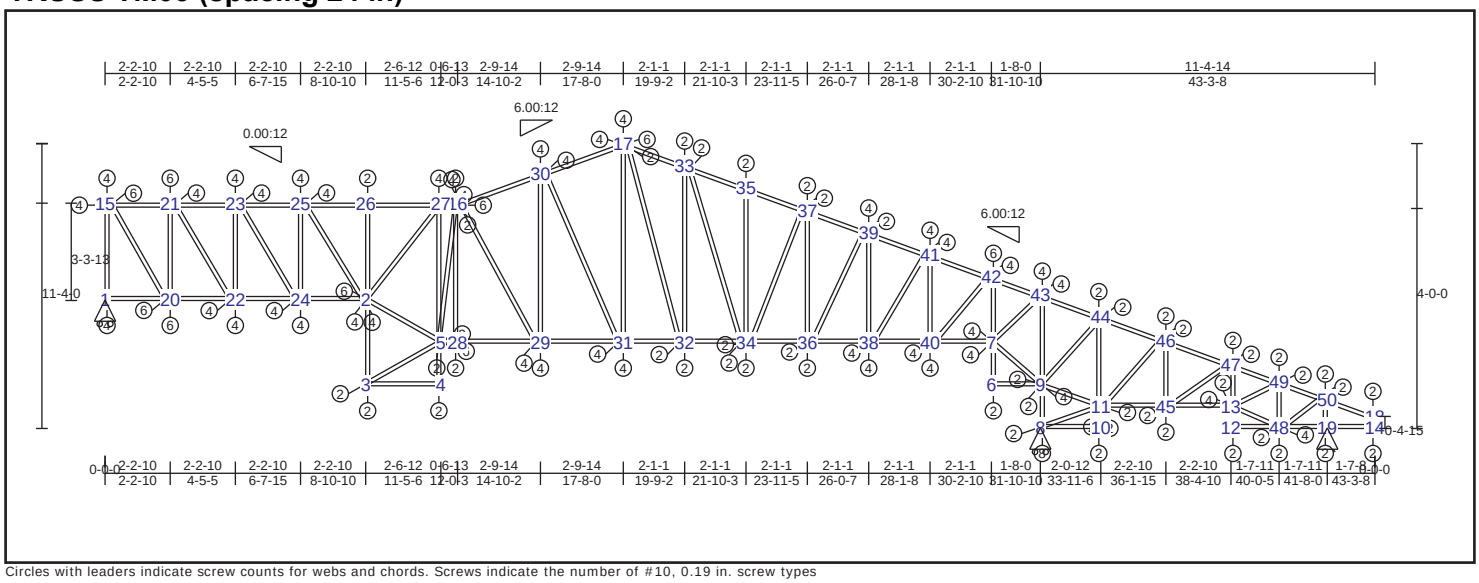
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
16-29	0.31	-1702 lbs	-1702 lbs	3-28	0.83	-1127 lbs	-1127 lbs	1-15	0.22	-1357 lbs	-1357 lbs	46-47	0.04	437 lbs	-317 lbs
29-31	0.45	-1526 lbs	-1526 lbs	4-28	0.83	-1127 lbs	-1127 lbs	21-22	0.25	-1515 lbs	-1515 lbs	14-19	0.01	96 lbs	-51 lbs
17-31	0.51	-1270 lbs	-1270 lbs	6-9	0.83	-1676 lbs	-1676 lbs	23-24	0.18	-1105 lbs	-1105 lbs	9-42	0.17	-982 lbs	-982 lbs
17-18	0.57	-1095 lbs	-1095 lbs	8-10	0.02	25 lbs	-21 lbs	25-26	0.16	-970 lbs	-970 lbs	8-11	0.00	-15 lbs	-15 lbs
18-35	0.30	-1129 lbs	-1129 lbs	12-46	0.25	-436 lbs	-436 lbs	2-3	0.53	4187 lbs	-2846 lbs	9-11	0.18	-1255 lbs	-1255 lbs
35-37	0.46	-1101 lbs	-1101 lbs	20-46	0.53	-822 lbs	-822 lbs	2-27	0.53	4187 lbs	-2846 lbs	5-28	0.20	2013 lbs	-1369 lbs
37-39	0.69	-1089 lbs	-1089 lbs	14-20	0.42	0 lbs	0 lbs	16-28	0.53	-5546 lbs	-5546 lbs	2-28	0.53	4162 lbs	-2832 lbs
39-40	0.77	-707 lbs	-707 lbs	5-30	0.46	1429 lbs	-972 lbs	4-5	0.63	472 lbs	-317 lbs	2-16	0.45	3860 lbs	-2665 lbs
40-41	0.77	1545 lbs	-1235 lbs	30-32	0.52	1220 lbs	-837 lbs	5-29	1.40	472 lbs	-317 lbs	5-16	0.17	947 lbs	-643 lbs
41-42	0.42	1899 lbs	-1641 lbs	32-33	0.39	970 lbs	-684 lbs	30-31	0.17	726 lbs	-442 lbs	7-9	0.39	-2641 lbs	-2641 lbs
42-44	0.44	1430 lbs	-1314 lbs	33-34	0.20	871 lbs	-654 lbs	17-32	0.14	352 lbs	-279 lbs	7-41	0.09	614 lbs	-581 lbs
44-45	0.38	1215 lbs	-1173 lbs	34-36	0.43	824 lbs	-654 lbs	18-33	0.01	44 lbs	-12 lbs	20-48	0.06	-423 lbs	-423 lbs
45-47	0.22	879 lbs	-806 lbs	36-38	0.83	602 lbs	-540 lbs	34-35	0.11	301 lbs	-300 lbs	13-47	0.07	-519 lbs	-519 lbs
47-48	0.50	788 lbs	-649 lbs	7-38	0.83	-1318 lbs	-1318 lbs	36-37	0.25	-925 lbs	-925 lbs	13-46	0.07	-525 lbs	-525 lbs
19-48	0.12	58 lbs	-23 lbs	11-43	0.20	-914 lbs	-914 lbs	38-39	0.31	-1601 lbs	-1601 lbs	15-21	0.21	1658 lbs	-1164 lbs
15-22	0.77	-806 lbs	-806 lbs	13-43	0.20	-914 lbs	-914 lbs	6-7	0.75	-2018 lbs	-2018 lbs	22-23	0.17	1370 lbs	-948 lbs
22-24	0.77	-1488 lbs	-1488 lbs	1-21	0.79	783 lbs	-550 lbs	7-40	0.77	-2516 lbs	-2516 lbs	24-25	0.13	1079 lbs	-729 lbs
24-26	0.67	-2028 lbs	-2028 lbs	21-23	0.79	1449 lbs	-1011 lbs	8-9	0.53	-3514 lbs	-3514 lbs	2-27	0.09	783 lbs	-511 lbs
26-27	0.67	-2427 lbs	-2427 lbs	23-25	0.52	1973 lbs	-1365 lbs	9-41	0.53	-3514 lbs	-3514 lbs	29-30	0.20	-613 lbs	-613 lbs
16-27	0.54	-2461 lbs	-2461 lbs	2-25	0.83	1973 lbs	-1365 lbs	10-11	0.08	16 lbs	-7 lbs	31-32	0.37	-866 lbs	-866 lbs
								11-42	0.44	907 lbs	-723 lbs	18-34	0.10	-184 lbs	-184 lbs
								43-44	0.06	-403 lbs	-403 lbs	34-37	0.09	567 lbs	-294 lbs
								12-13	0.19	-240 lbs	-240 lbs	36-39	0.17	1154 lbs	-742 lbs
								13-45	0.20	-357 lbs	-357 lbs	38-40	0.26	2072 lbs	-1435 lbs
												11-42	0.07	506 lbs	-418 lbs
												43-45	0.06	558 lbs	-388 lbs
												46-48	0.06	670 lbs	-415 lbs
												18-32	0.17	466 lbs	-331 lbs

TRUSS TM03 (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 (15 - 21)	TL(V): 0.13 in.	L / 582	(16-30)	L / 90
BC :	0.86 (1 - 20)	LL(V): 0.09 in.	L / 877	(16-30)	L / 90
Web :	0.78 (2 - 26)	DL(V): 0.04 in.	L / 999	(28-29)	L / 0
		Cant / OH TL: 0.09 in.	2L / 586	(16-30)	2L / 90
		Cant / OH LL: 0.09 in.	2L / 586	(16-30)	2L / 90
		Horiz TL: -0.03 in.		33	
		Web :			
		Snow/Wind -0.09 in.	L / 802	(16-30)	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 536	(16-30)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1420 lbs	0 lbs	-810 lbs	0 lbs
8	HRoll		0 lbs	2420 lbs	0 lbs	-1630 lbs	0 lbs
19	Fixed		-1020 lbs	350 lbs	0 lbs	-30 lbs	-1020 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-4-4	43-3-8

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

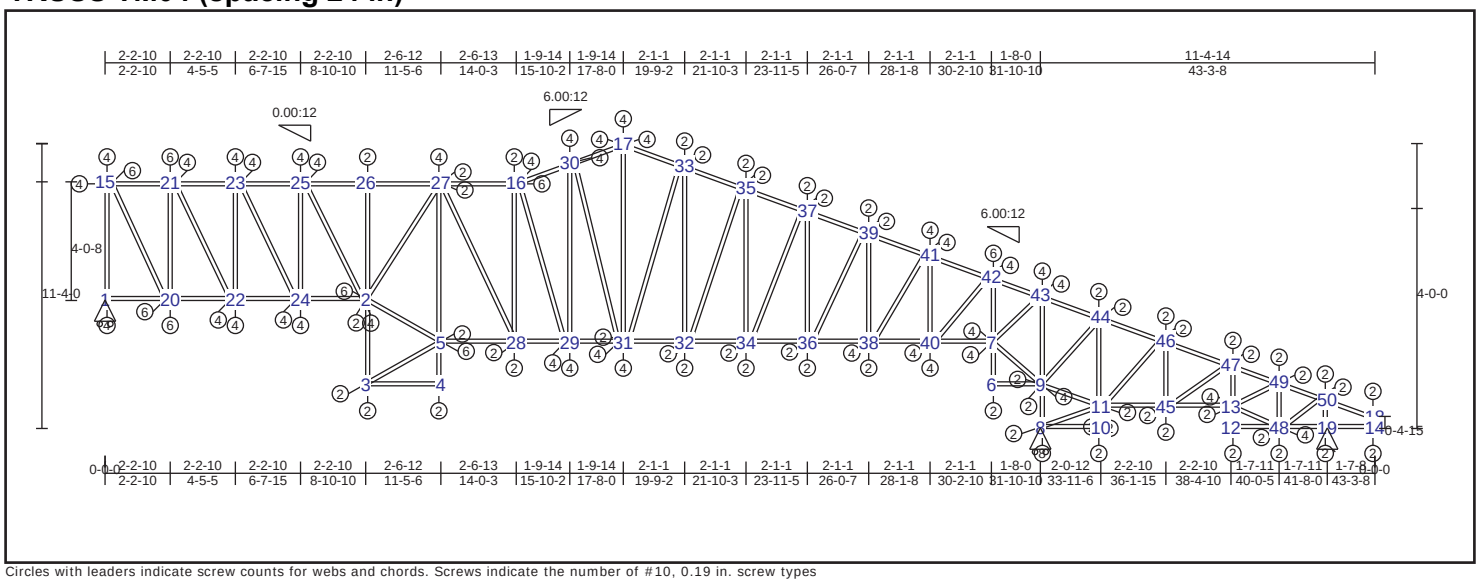
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
16-30	0.45	-1761 lbs	-1761 lbs	3-4	0.04	1 lbs	-1 lbs	1-15	0.29	-1459 lbs	-1459 lbs
17-30	0.62	-1482 lbs	-1482 lbs	6-9	0.45	-773 lbs	-773 lbs	20-21	0.32	-1636 lbs	-1636 lbs
17-33	0.39	-1538 lbs	-1538 lbs	8-10	0.02	26 lbs	-21 lbs	22-23	0.24	-1248 lbs	-1248 lbs
33-35	0.36	-1538 lbs	-1538 lbs	12-48	0.20	-634 lbs	-634 lbs	24-25	0.19	-977 lbs	-977 lbs
35-37	0.33	-1532 lbs	-1532 lbs	19-48	0.49	-1022 lbs	-1022 lbs	2-3	0.68	1233 lbs	-886 lbs
37-39	0.38	-1532 lbs	-1532 lbs	14-19	0.40	0 lbs	0 lbs	2-26	0.78	1233 lbs	-886 lbs
39-41	0.50	-1481 lbs	-1481 lbs	5-28	0.53	1583 lbs	-1149 lbs	4-5	0.01	17 lbs	0 lbs
41-42	0.71	-1266 lbs	-1266 lbs	28-29	0.39	1583 lbs	-1149 lbs	5-27	0.51	-888 lbs	-888 lbs
42-43	0.83	-660 lbs	-660 lbs	29-31	0.45	1311 lbs	-981 lbs	16-28	0.01	59 lbs	-30 lbs
43-44	0.44	-998 lbs	-998 lbs	31-32	0.45	1088 lbs	-886 lbs	29-30	0.19	757 lbs	-444 lbs
44-46	0.29	-782 lbs	-782 lbs	32-34	0.27	1110 lbs	-931 lbs	17-31	0.30	898 lbs	-543 lbs
46-47	0.30	-673 lbs	-673 lbs	34-36	0.17	1110 lbs	-931 lbs	32-33	0.15	430 lbs	-326 lbs
47-49	0.20	-393 lbs	-393 lbs	36-38	0.34	1064 lbs	-925 lbs	34-35	0.07	-189 lbs	-189 lbs
49-50	0.41	-285 lbs	-285 lbs	38-40	0.64	912 lbs	-839 lbs	36-37	0.11	-399 lbs	-399 lbs
18-50	0.15	59 lbs	-15 lbs	7-40	0.64	-602 lbs	-602 lbs	38-39	0.17	-742 lbs	-742 lbs
15-21	0.83	-711 lbs	-711 lbs	11-45	0.19	-287 lbs	-287 lbs	40-41	0.23	-1246 lbs	-1246 lbs
21-23	0.83	-1316 lbs	-1316 lbs	13-45	0.19	-639 lbs	-639 lbs	6-7	0.35	-931 lbs	-931 lbs
23-25	0.61	-1811 lbs	-1811 lbs	1-20	0.86	651 lbs	-478 lbs	7-42	0.48	-1753 lbs	-1753 lbs
25-26	0.58	-2160 lbs	-2160 lbs	20-22	0.86	1215 lbs	-891 lbs	8-9	0.40	-2622 lbs	-2622 lbs
26-27	0.44	-2180 lbs	-2180 lbs	22-24	0.59	1670 lbs	-1222 lbs	9-43	0.63	-2622 lbs	-2622 lbs
16-27	0.29	-1785 lbs	-1785 lbs	2-24	0.47	1670 lbs	-1222 lbs	10-11	0.08	17 lbs	-8 lbs
								11-44	0.42	531 lbs	-477 lbs
								45-46	0.06	-388 lbs	-388 lbs
								12-13	0.28	-362 lbs	-362 lbs

TRUSS TM04 (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 (15 - 21)	TL(V): 0.13 in.	L / 999	(27-16)	L / 90
BC :	0.86 (1 - 20)	LL(V): 0.08 in.	L / 999	(27-16)	L / 90
Web :	0.68 (2 - 26)	DL(V): 0.04 in.	L / 999	16	L / 0
		Cant / OH TL: 0.08 in.	2L / 999	(27-16)	2L / 90
		Cant / OH LL: 0.08 in.	2L / 999	(27-16)	2L / 90
		Horiz TL: -0.03 in.		33	
		Web :			
		Snow/Wind -0.1 in.	L / 999	(27-16)	L / 90
		Cant (Snow/Wind) -0.1 in.	L / 999	(27-16)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1420 lbs	0 lbs	-850 lbs	0 lbs
8	HRoll		0 lbs	2430 lbs	0 lbs	-1660 lbs	0 lbs
19	Fixed		-1060 lbs	360 lbs	0 lbs	0 lbs	-1060 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-4-4	43-3-8

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

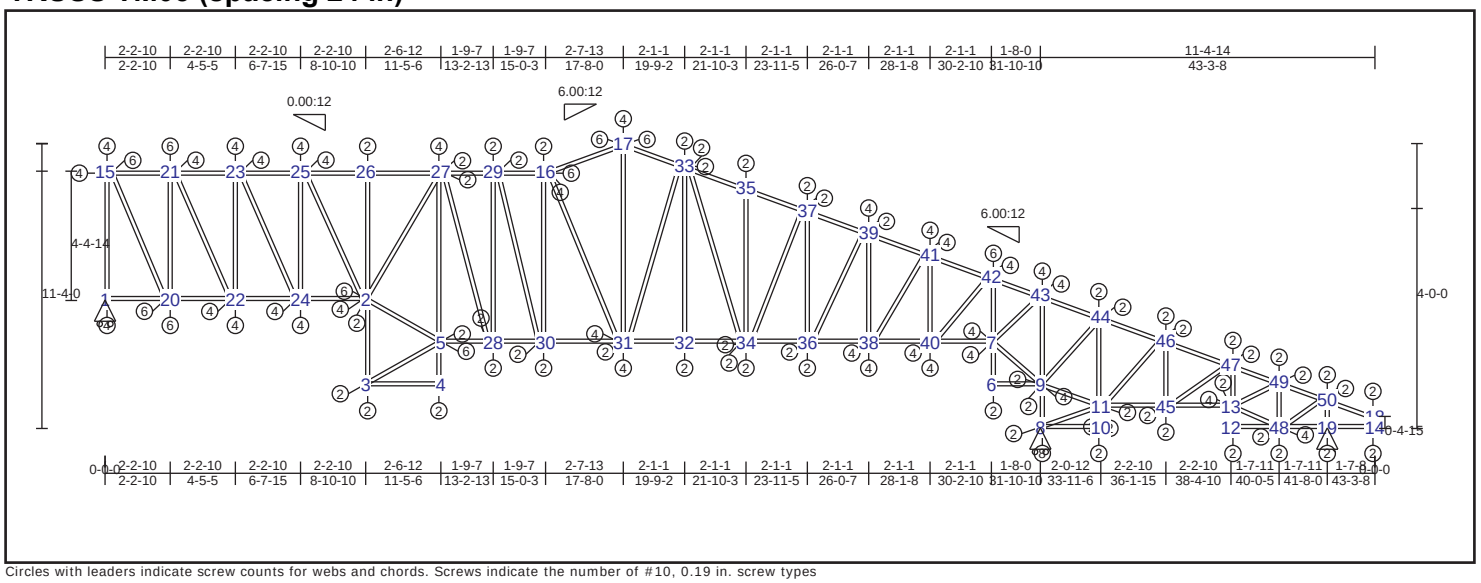
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
16-30	0.46	-1668 lbs	-1668 lbs	8-10	0.02	27 lbs	-21 lbs	1-15	0.35	-1457 lbs	-1457 lbs	13-47	0.30	-377 lbs	-377 lbs
17-30	0.47	-1479 lbs	-1479 lbs	12-48	0.20	-660 lbs	-660 lbs	20-21	0.40	-1635 lbs	-1635 lbs	48-49	0.01	-63 lbs	-63 lbs
17-33	0.31	-1467 lbs	-1467 lbs	19-48	0.49	-1062 lbs	-1062 lbs	22-23	0.30	-1246 lbs	-1246 lbs	14-18	0.01	89 lbs	-33 lbs
33-35	0.28	-1504 lbs	-1504 lbs	14-19	0.40	0 lbs	0 lbs	24-25	0.24	-980 lbs	-980 lbs	2-27	0.14	657 lbs	-497 lbs
35-37	0.33	-1537 lbs	-1537 lbs	3-4	0.04	-5 lbs	-5 lbs	2-3	0.59	1070 lbs	-819 lbs	2-5	0.21	1713 lbs	-1328 lbs
37-39	0.38	-1537 lbs	-1537 lbs	6-9	0.44	-754 lbs	-754 lbs	2-26	0.68	1070 lbs	-819 lbs	27-28	0.07	179 lbs	-163 lbs
39-41	0.49	-1486 lbs	-1486 lbs	5-28	0.46	1410 lbs	-1099 lbs	4-5	0.03	17 lbs	-1 lbs	3-5	0.00	4 lbs	-3 lbs
41-42	0.70	-1273 lbs	-1273 lbs	28-29	0.44	1410 lbs	-1099 lbs	5-27	0.50	-1009 lbs	-1009 lbs	7-43	0.14	1028 lbs	-953 lbs
42-43	0.83	-670 lbs	-670 lbs	29-31	0.51	1230 lbs	-985 lbs	16-28	0.05	147 lbs	-116 lbs	7-9	0.17	-1192 lbs	-1192 lbs
43-44	0.45	-1027 lbs	-1027 lbs	31-32	0.51	1113 lbs	-948 lbs	29-30	0.27	923 lbs	-564 lbs	9-44	0.11	-619 lbs	-619 lbs
44-46	0.30	-811 lbs	-811 lbs	32-34	0.20	1136 lbs	-992 lbs	17-31	0.49	1198 lbs	-883 lbs	9-11	0.06	-454 lbs	-454 lbs
46-47	0.30	-702 lbs	-702 lbs	34-36	0.19	1136 lbs	-992 lbs	32-33	0.08	-166 lbs	-166 lbs	8-11	0.00	-19 lbs	-19 lbs
47-49	0.20	-413 lbs	-413 lbs	36-38	0.34	1090 lbs	-984 lbs	34-35	0.04	-101 lbs	-101 lbs	13-49	0.01	-58 lbs	-58 lbs
49-50	0.42	-300 lbs	-300 lbs	38-40	0.64	940 lbs	-896 lbs	36-37	0.11	-398 lbs	-398 lbs	13-48	0.11	-791 lbs	-791 lbs
18-50	0.15	59 lbs	-15 lbs	7-40	0.64	-656 lbs	-656 lbs	38-39	0.16	-738 lbs	-738 lbs	19-50	0.05	-407 lbs	-407 lbs
15-21	0.83	-590 lbs	-590 lbs	11-45	0.20	-306 lbs	-306 lbs	40-41	0.22	-1240 lbs	-1240 lbs	15-20	0.33	1664 lbs	-1275 lbs
21-23	0.83	-1088 lbs	-1088 lbs	13-45	0.20	-667 lbs	-667 lbs	6-7	0.34	-908 lbs	-908 lbs	21-22	0.28	1394 lbs	-1074 lbs
23-25	0.61	-1499 lbs	-1499 lbs	1-20	0.86	529 lbs	-406 lbs	7-42	0.48	-1748 lbs	-1748 lbs	23-24	0.23	1125 lbs	-872 lbs
25-26	0.55	-1783 lbs	-1783 lbs	20-22	0.86	988 lbs	-758 lbs	8-9	0.40	-2619 lbs	-2619 lbs	2-26	0.16	779 lbs	-611 lbs
26-27	0.44	-1805 lbs	-1805 lbs	22-24	0.59	1357 lbs	-1045 lbs	9-43	0.62	-2619 lbs	-2619 lbs	16-29	0.36	-882 lbs	-882 lbs
16-27	0.36	-1607 lbs	-1607 lbs	2-24	0.47	1357 lbs	-1045 lbs	10-11	0.09	17 lbs	-8 lbs	30-31	0.49	-986 lbs	-986 lbs
								11-44	0.43	526 lbs	-475 lbs	34-37	0.02	167 lbs	-52 lbs
								45-46	0.06	-399 lbs	-399 lbs	36-39	0.07	466 lbs	-272 lbs
								12-13	0.29	-377 lbs	-377 lbs	38-41	0.12	894 lbs	-612 lbs

TRUSS TM05 (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 (15 - 21)	TL(V): 0.11 in.	L / 999	(29-16)	L / 90
BC :	0.85 (1 - 20)	LL(V): 0.07 in.	L / 999	(29-16)	L / 90
Web :	0.63 (2 - 26)	DL(V): 0.04 in.	L / 957	16	L / 0
		Cant / OH TL: 0.07 in.	2L / 934	(29-16)	2L / 90
		Cant / OH LL: 0.07 in.	2L / 934	(29-16)	2L / 90
		Horiz TL: -0.03 in.		33	
		Web :			
		Snow/Wind -0.09 in.	L / 999	(29-16)	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 761	(29-16)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1400 lbs	0 lbs	-870 lbs	0 lbs
8	HRoll		0 lbs	2430 lbs	0 lbs	-1700 lbs	0 lbs
19	Fixed		-1120 lbs	430 lbs	0 lbs	0 lbs	-1120 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-4-4	43-3-8

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

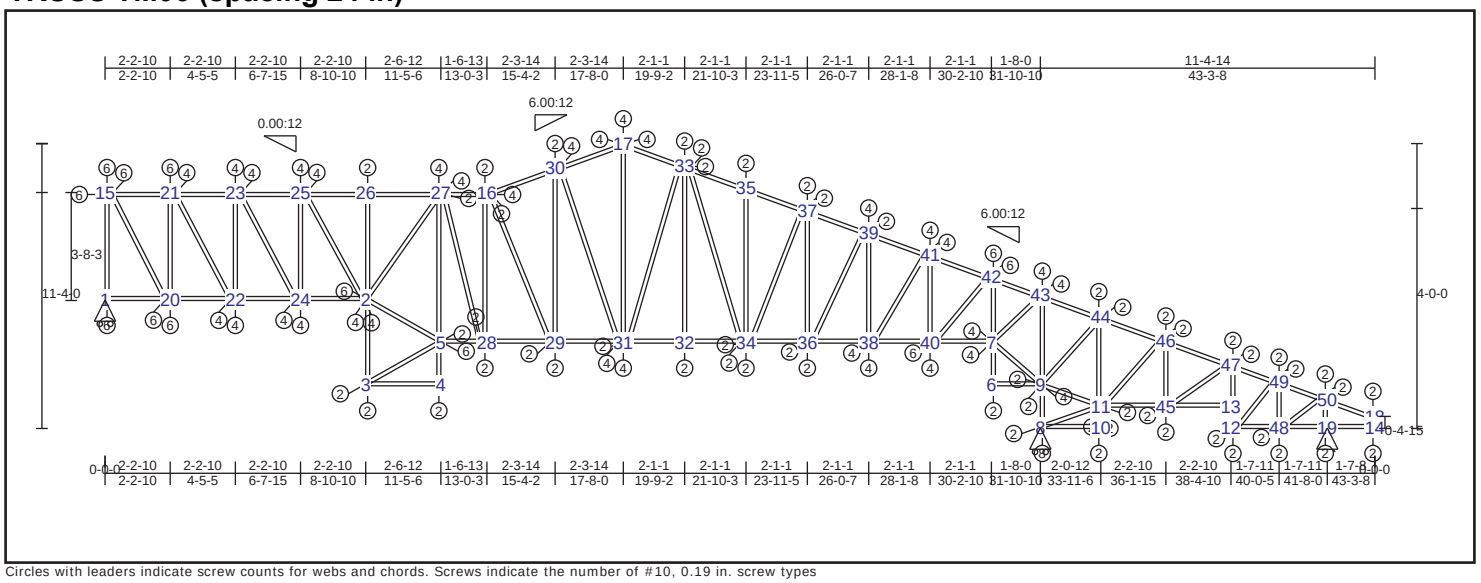
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
16-17	0.45	-1503 lbs	-1503 lbs	3-4	0.04	-2 lbs	-2 lbs	1-15	0.39	-1441 lbs	-1441 lbs	13-47	0.31	-391 lbs	-391 lbs
17-33	0.34	-1493 lbs	-1493 lbs	6-9	0.46	-783 lbs	-783 lbs	20-21	0.44	-1615 lbs	-1615 lbs	48-49	0.01	-55 lbs	-55 lbs
33-35	0.30	-1553 lbs	-1553 lbs	8-10	0.02	27 lbs	-21 lbs	22-23	0.34	-1227 lbs	-1227 lbs	19-50	0.06	-486 lbs	-486 lbs
35-37	0.33	-1555 lbs	-1555 lbs	12-48	0.20	-679 lbs	-679 lbs	24-25	0.26	-963 lbs	-963 lbs	14-18	0.00	52 lbs	-30 lbs
37-39	0.39	-1555 lbs	-1555 lbs	19-48	0.38	-1122 lbs	-1122 lbs	2-3	0.54	980 lbs	-778 lbs	2-5	0.20	1571 lbs	-1266 lbs
39-41	0.50	-1505 lbs	-1505 lbs	14-19	0.38	-1122 lbs	-1122 lbs	2-26	0.63	980 lbs	-778 lbs	3-5	0.00	2 lbs	-1 lbs
41-42	0.60	-1287 lbs	-1287 lbs	5-28	0.43	1282 lbs	-1042 lbs	4-5	0.01	17 lbs	0 lbs	2-27	0.13	570 lbs	-432 lbs
42-43	0.60	-678 lbs	-678 lbs	28-30	0.25	1295 lbs	-1062 lbs	5-27	0.47	-917 lbs	-917 lbs	9-44	0.11	-626 lbs	-626 lbs
43-44	0.44	-1090 lbs	-1090 lbs	30-31	0.52	1295 lbs	-1062 lbs	28-29	0.11	264 lbs	-256 lbs	7-43	0.14	1003 lbs	-955 lbs
44-46	0.31	-868 lbs	-868 lbs	31-32	0.52	1086 lbs	-967 lbs	16-30	0.02	152 lbs	-47 lbs	7-9	0.18	-1237 lbs	-1237 lbs
46-47	0.31	-802 lbs	-802 lbs	32-34	0.19	1107 lbs	-1006 lbs	17-31	0.47	1164 lbs	-853 lbs	9-11	0.07	-481 lbs	-481 lbs
47-49	0.20	-501 lbs	-501 lbs	34-36	0.19	1107 lbs	-1006 lbs	32-33	0.01	34 lbs	-18 lbs	8-11	0.00	-19 lbs	-19 lbs
49-50	0.38	-377 lbs	-377 lbs	36-38	0.35	1060 lbs	-993 lbs	34-35	0.08	213 lbs	-211 lbs	13-48	0.11	-814 lbs	-814 lbs
18-50	0.22	-176 lbs	-176 lbs	38-40	0.65	907 lbs	-897 lbs	36-37	0.11	-399 lbs	-399 lbs	13-49	0.01	-69 lbs	-69 lbs
15-21	0.60	-536 lbs	-536 lbs	7-40	0.65	-644 lbs	-644 lbs	38-39	0.17	-749 lbs	-749 lbs	15-20	0.38	1630 lbs	-1282 lbs
21-23	0.60	-988 lbs	-988 lbs	11-45	0.20	-300 lbs	-300 lbs	40-41	0.23	-1253 lbs	-1253 lbs	21-22	0.32	1362 lbs	-1082 lbs
23-25	0.60	-1359 lbs	-1359 lbs	13-45	0.20	-674 lbs	-674 lbs	6-7	0.35	-942 lbs	-942 lbs	23-24	0.26	1095 lbs	-882 lbs
25-26	0.53	-1615 lbs	-1615 lbs	1-20	0.85	478 lbs	-376 lbs	7-42	0.48	-1761 lbs	-1761 lbs	2-25	0.18	755 lbs	-623 lbs
26-27	0.41	-1636 lbs	-1636 lbs	20-22	0.85	892 lbs	-704 lbs	8-9	0.40	-2631 lbs	-2631 lbs	27-28	0.10	221 lbs	-221 lbs
27-29	0.30	-1514 lbs	-1514 lbs	22-24	0.58	1224 lbs	-972 lbs	9-43	0.63	-2631 lbs	-2631 lbs	29-30	0.06	-139 lbs	-139 lbs
16-29	0.30	-1546 lbs	-1546 lbs	2-24	0.46	1224 lbs	-972 lbs	10-11	0.09	17 lbs	-8 lbs	33-34	0.09	-185 lbs	-185 lbs
								11-44	0.42	533 lbs	-489 lbs	34-37	0.02	174 lbs	-61 lbs
								45-46	0.06	-401 lbs	-401 lbs	36-39	0.07	474 lbs	-296 lbs
								12-13	0.30	-390 lbs	-390 lbs				

TRUSS TM06 (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 (15 - 21)	TL(V): 0.13 in.	L / 999	(28-29)	L / 90
BC :	0.89 (1 - 20)	LL(V): 0.08 in.	L / 999	(28-29)	L / 90
Web :	0.77 (2 - 26)	DL(V): 0.04 in.	L / 999	(28-29)	L / 0
		Cant / OH TL: 0.08 in.	2L / 768	(28-29)	2L / 90
		Cant / OH LL: 0.08 in.	2L / 768	(28-29)	2L / 90
		Horiz TL: -0.03 in.		33	
		Web :			
		Snow/Wind -0.09 in.	L / 999	(28-29)	L / 90
		Cant (Snow/Wind) -0.09 in.	L / 685	(28-29)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1460 lbs	0 lbs	-760 lbs	0 lbs
8	HRoll		0 lbs	2610 lbs	0 lbs	-1760 lbs	0 lbs
19	Fixed		-750 lbs	300 lbs	0 lbs	-110 lbs	-750 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-4-4	43-3-8

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

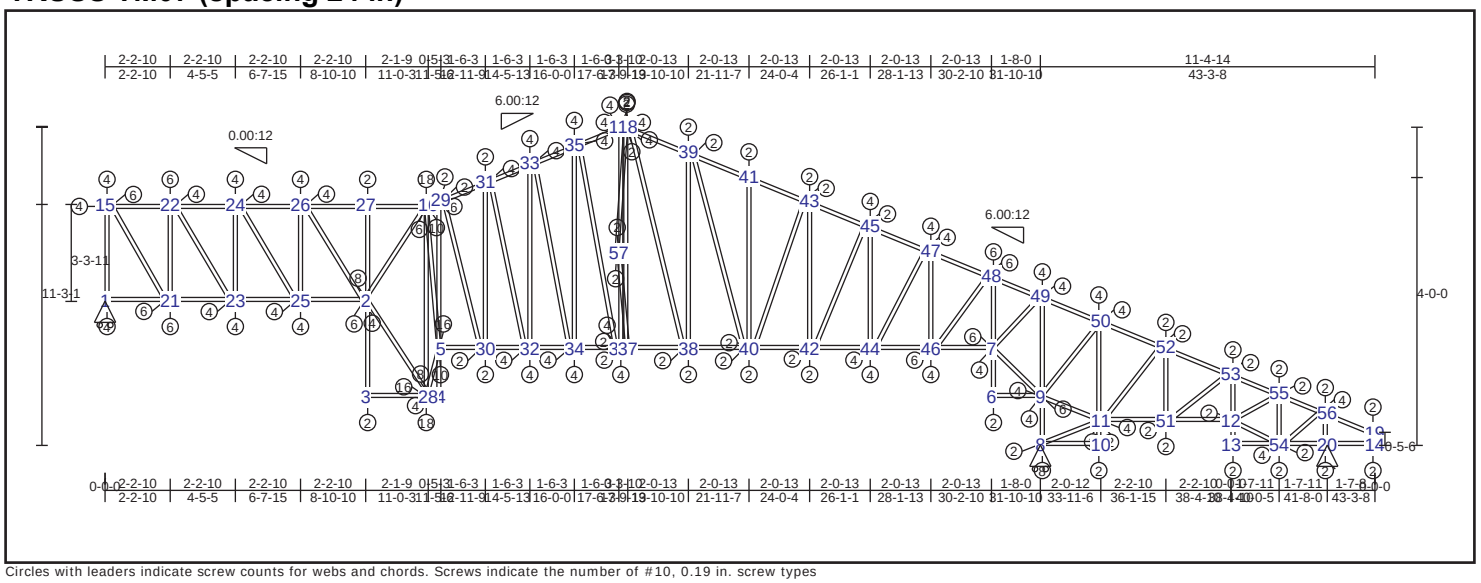
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
17-33	0.30	-1277 lbs	-1277 lbs	3-4	0.04	3 lbs	-2 lbs	1-15	0.33	-1507 lbs	-1507 lbs	13-47	0.58	-335 lbs	-335 lbs
33-35	0.25	-1318 lbs	-1318 lbs	6-9	0.47	-801 lbs	-801 lbs	20-21	0.37	-1695 lbs	-1695 lbs	48-49	0.07	-474 lbs	-474 lbs
35-37	0.31	-1331 lbs	-1331 lbs	8-10	0.02	-24 lbs	-24 lbs	22-23	0.28	-1303 lbs	-1303 lbs	14-18	0.01	85 lbs	-37 lbs
37-39	0.37	-1331 lbs	-1331 lbs	12-48	0.24	-390 lbs	-390 lbs	24-25	0.22	-1033 lbs	-1033 lbs	2-27	0.14	774 lbs	-558 lbs
39-41	0.53	-1260 lbs	-1260 lbs	19-48	0.47	-836 lbs	-836 lbs	2-3	0.67	1208 lbs	-796 lbs	2-5	0.21	1939 lbs	-1294 lbs
41-42	0.76	-1016 lbs	-1016 lbs	14-19	0.37	0 lbs	0 lbs	2-26	0.77	1208 lbs	-796 lbs	3-5	0.00	0 lbs	0 lbs
42-43	0.89	-831 lbs	-831 lbs	5-28	0.53	1582 lbs	-1044 lbs	4-5	0.01	17 lbs	0 lbs	9-44	0.11	681 lbs	-671 lbs
43-44	0.49	-1378 lbs	-1378 lbs	28-29	0.36	1582 lbs	-1044 lbs	5-27	0.48	-1152 lbs	-1152 lbs	9-11	0.07	-473 lbs	-473 lbs
44-46	0.36	-1104 lbs	-1104 lbs	29-31	0.42	1412 lbs	-903 lbs	16-28	0.10	-280 lbs	-280 lbs	8-11	0.00	-15 lbs	-15 lbs
46-47	0.25	-975 lbs	-975 lbs	31-32	0.42	1270 lbs	-816 lbs	29-30	0.23	652 lbs	-500 lbs	7-9	0.19	-1266 lbs	-1266 lbs
47-49	0.19	-648 lbs	-648 lbs	32-34	0.16	1279 lbs	-832 lbs	17-31	0.43	999 lbs	-778 lbs	7-43	0.11	1117 lbs	-767 lbs
49-50	0.54	-526 lbs	-526 lbs	34-36	0.19	1279 lbs	-832 lbs	32-33	0.00	37 lbs	-10 lbs	19-50	0.04	-344 lbs	-344 lbs
18-50	0.13	58 lbs	-16 lbs	36-38	0.38	1217 lbs	-789 lbs	34-35	0.08	-210 lbs	-210 lbs	15-20	0.28	1743 lbs	-1210 lbs
16-30	0.36	-1476 lbs	-1476 lbs	38-40	0.69	1043 lbs	-651 lbs	36-37	0.13	-462 lbs	-462 lbs	21-22	0.24	1472 lbs	-1007 lbs
17-30	0.48	-1289 lbs	-1289 lbs	7-40	0.69	655 lbs	-331 lbs	38-39	0.18	-821 lbs	-821 lbs	23-24	0.19	1200 lbs	-801 lbs
15-21	0.86	-578 lbs	-578 lbs	11-45	0.22	-192 lbs	-192 lbs	40-41	0.24	-1346 lbs	-1346 lbs	2-26	0.13	845 lbs	-547 lbs
21-23	0.86	-1068 lbs	-1068 lbs	13-45	0.26	-205 lbs	-205 lbs	6-7	0.36	-965 lbs	-965 lbs	16-29	0.23	-601 lbs	-601 lbs
23-25	0.64	-1478 lbs	-1478 lbs	1-20	0.89	605 lbs	-420 lbs	7-42	0.51	-1878 lbs	-1878 lbs	30-31	0.38	-800 lbs	-800 lbs
25-26	0.57	-1770 lbs	-1770 lbs	20-22	0.89	1132 lbs	-781 lbs	8-9	0.43	-2810 lbs	-2810 lbs	33-34	0.04	-79 lbs	-79 lbs
26-27	0.41	-1770 lbs	-1770 lbs	22-24	0.62	1562 lbs	-1068 lbs	9-43	0.67	-2810 lbs	-2810 lbs	34-37	0.05	227 lbs	-159 lbs
16-27	0.29	-1445 lbs	-1445 lbs	2-24	0.50	1562 lbs	-1068 lbs	10-11	0.08	17 lbs	-6 lbs				
								11-44	0.53	-605 lbs	-605 lbs				
								45-46	0.06	-385 lbs	-385 lbs				
								12-13	0.31	-335 lbs	-335 lbs				

TRUSS TM07 (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 (15 - 22)	TL(V): 0.43 in.	L / 527	(5-30)	L / 90
BC :	0.86 (28 - 4)	LL(V): 0.28 in.	L / 799	(5-30)	L / 90
Web :	0.69 (5 - 29)	DL(V): 0.15 in.	L / 999	(5-30)	L / 0
		Cant / OH TL: 0.28 in.	2L / 30	(5-30)	2L / 90
		Cant / OH LL: 0.28 in.	2L / 30	(5-30)	2L / 90
		Horiz TL: -0.12 in.		28	
		Web :			
		Snow/Wind -0.28 in.	L / 806	(5-30)	L / 90
		Cant (Snow/Wind) -0.28 in.	L / 30	(5-30)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1420 lbs	0 lbs	-690 lbs	0 lbs
8	HRoll		0 lbs	2590 lbs	0 lbs	-1990 lbs	0 lbs
20	Fixed		-860 lbs	510 lbs	0 lbs	-70 lbs	-860 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-3-11	43-3-8

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

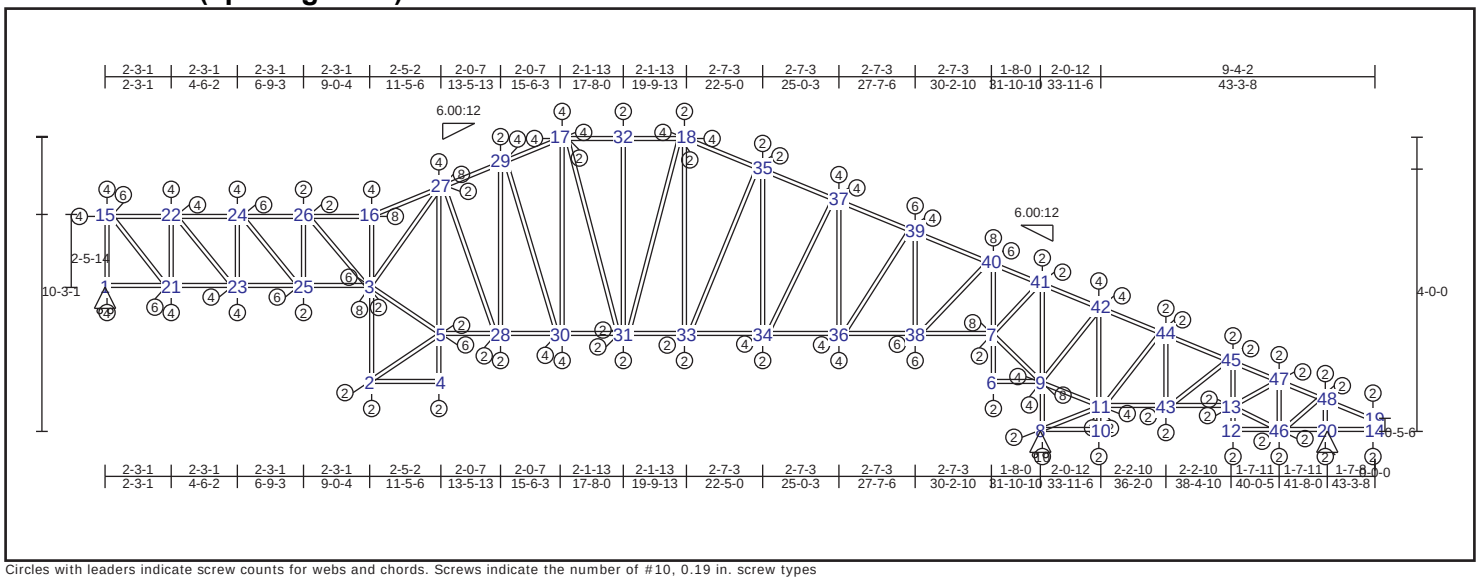
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
16-29	0.57	-1938 lbs	-1938 lbs	3-28	0.86	-1130 lbs	-1130 lbs	1-15	0.26	-1456 lbs	-1456 lbs	10-11	0.06	13 lbs	-4 lbs
29-31	0.45	-1784 lbs	-1784 lbs	4-28	0.86	-1130 lbs	-1130 lbs	21-22	0.29	-1634 lbs	-1634 lbs	11-50	0.56	-742 lbs	-742 lbs
31-33	0.55	-1689 lbs	-1689 lbs	6-9	0.65	1139 lbs	-935 lbs	23-24	0.22	-1232 lbs	-1232 lbs	51-52	0.07	-434 lbs	-434 lbs
33-35	0.47	-1542 lbs	-1542 lbs	8-10	0.02	19 lbs	-11 lbs	25-26	0.18	-1026 lbs	-1026 lbs	12-53	0.13	-360 lbs	-360 lbs
17-35	0.43	-1373 lbs	-1373 lbs	13-54	0.26	-299 lbs	-299 lbs	2-3	0.63	2289 lbs	-1385 lbs	12-13	0.13	-155 lbs	-155 lbs
18-39	0.33	-1411 lbs	-1411 lbs	20-54	0.55	-859 lbs	-859 lbs	2-27	0.69	2289 lbs	-1385 lbs	54-55	0.05	-333 lbs	-333 lbs
39-41	0.31	-1411 lbs	-1411 lbs	14-20	0.43	0 lbs	0 lbs	16-28	0.69	-6193 lbs	-6193 lbs	14-19	0.01	99 lbs	-58 lbs
41-43	0.34	-1407 lbs	-1407 lbs	5-30	0.78	1559 lbs	-943 lbs	4-5	0.69	3933 lbs	-2395 lbs	20-56	0.08	-642 lbs	-642 lbs
43-45	0.39	-1407 lbs	-1407 lbs	30-32	0.54	1501 lbs	-898 lbs	5-29	0.69	3933 lbs	-2395 lbs	12-54	0.05	-360 lbs	-360 lbs
45-47	0.55	-1322 lbs	-1322 lbs	32-34	0.44	1349 lbs	-799 lbs	30-31	0.16	696 lbs	-464 lbs	12-55	0.03	364 lbs	-178 lbs
47-48	0.79	-1065 lbs	-1065 lbs	34-36	0.46	1208 lbs	-709 lbs	32-33	0.23	867 lbs	-554 lbs	5-28	0.50	5298 lbs	-3218 lbs
48-49	0.83	-1358 lbs	-1358 lbs	36-37	0.45	1071 lbs	-623 lbs	34-35	0.30	951 lbs	-620 lbs	5-16	0.52	3197 lbs	-1889 lbs
49-50	0.42	-1722 lbs	-1722 lbs	37-38	0.31	1105 lbs	-648 lbs	36-57	0.13	874 lbs	-606 lbs	2-16	0.26	2013 lbs	-1298 lbs
50-52	0.37	-1386 lbs	-1386 lbs	38-40	0.16	1107 lbs	-648 lbs	17-57	0.11	761 lbs	-499 lbs	2-28	0.33	2743 lbs	-1666 lbs
52-53	0.48	-1241 lbs	-1241 lbs	40-42	0.27	1107 lbs	-635 lbs	18-37	0.07	144 lbs	-125 lbs	18-57	0.02	-117 lbs	-117 lbs
53-55	0.38	-909 lbs	-909 lbs	42-44	0.40	1036 lbs	-553 lbs	38-39	0.10	-230 lbs	-230 lbs	37-57	0.02	-114 lbs	-114 lbs
55-56	0.60	-776 lbs	-776 lbs	44-46	0.72	850 lbs	-362 lbs	40-41	0.07	190 lbs	-190 lbs	7-49	0.09	968 lbs	-551 lbs
19-56	0.11	57 lbs	-26 lbs	7-46	0.72	814 lbs	-427 lbs	42-43	0.14	554 lbs	-508 lbs	7-9	0.22	1794 lbs	-1476 lbs
17-18	0.28	-1194 lbs	-1194 lbs	11-51	0.28	404 lbs	-302 lbs	44-45	0.19	879 lbs	-863 lbs	9-11	0.08	761 lbs	-598 lbs
15-22	0.83	-757 lbs	-757 lbs	12-51	0.28	404 lbs	-302 lbs	46-47	0.25	-1400 lbs	-1400 lbs	8-11	0.00	-11 lbs	-11 lbs
22-24	0.83	-1408 lbs	-1408 lbs	1-21	0.86	734 lbs	-480 lbs	6-7	0.50	1377 lbs	-1126 lbs	9-50	0.12	817 lbs	-711 lbs
24-26	0.65	-1936 lbs	-1936 lbs	21-23	0.86	1369 lbs	-884 lbs	7-48	0.53	-1921 lbs	-1921 lbs	15-21	0.22	1738 lbs	-1137 lbs
26-27	0.65	-2323 lbs	-2323 lbs	23-25	0.58	1881 lbs	-1194 lbs	8-9	0.43	-2839 lbs	-2839 lbs	22-23	0.18	1458 lbs	-927 lbs
16-27	0.60	-2342 lbs	-2342 lbs	2-25	0.79	1881 lbs	-1194 lbs	9-49	0.69	-2839 lbs	-2839 lbs	24-25	0.14	1176 lbs	-713 lbs
												2-27	0.09	846 lbs	-480 lbs
												29-30	0.09	-293 lbs	-293 lbs
												31-32	0.33	-908 lbs	-908 lbs
												33-34	0.40	-934 lbs	-934 lbs

TRUSS TM08 (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 :	0.72 (24 - 26)	TL(V): 0.42 in.	L / 207	16	L / 90
BC :	0.72 (23 - 25)	LL(V): 0.28 in.	L / 315	16	L / 90
Web :	0.56 (2 - 3)	DL(V): 0.14 in.	L / 604	16	L / 0
		Cant / OH TL: 0.28 in.	2L / 999	16	2L / 90
		Cant / OH LL: 0.28 in.	2L / 999	16	2L / 90
		Horiz TL: -0.08 in.		18	
		Web :			
		Snow/Wind -0.3 in.	L / 354	16	L / 90
		Cant (Snow/Wind) -0.3 in.	L / 999	16	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	1310 lbs	0 lbs	-710 lbs	0 lbs
8	HRoll		0 lbs	3090 lbs	0 lbs	-1680 lbs	0 lbs
20	Fixed		-720 lbs	-240 lbs	-120 lbs	-240 lbs	-720 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-3-11	43-3-8

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

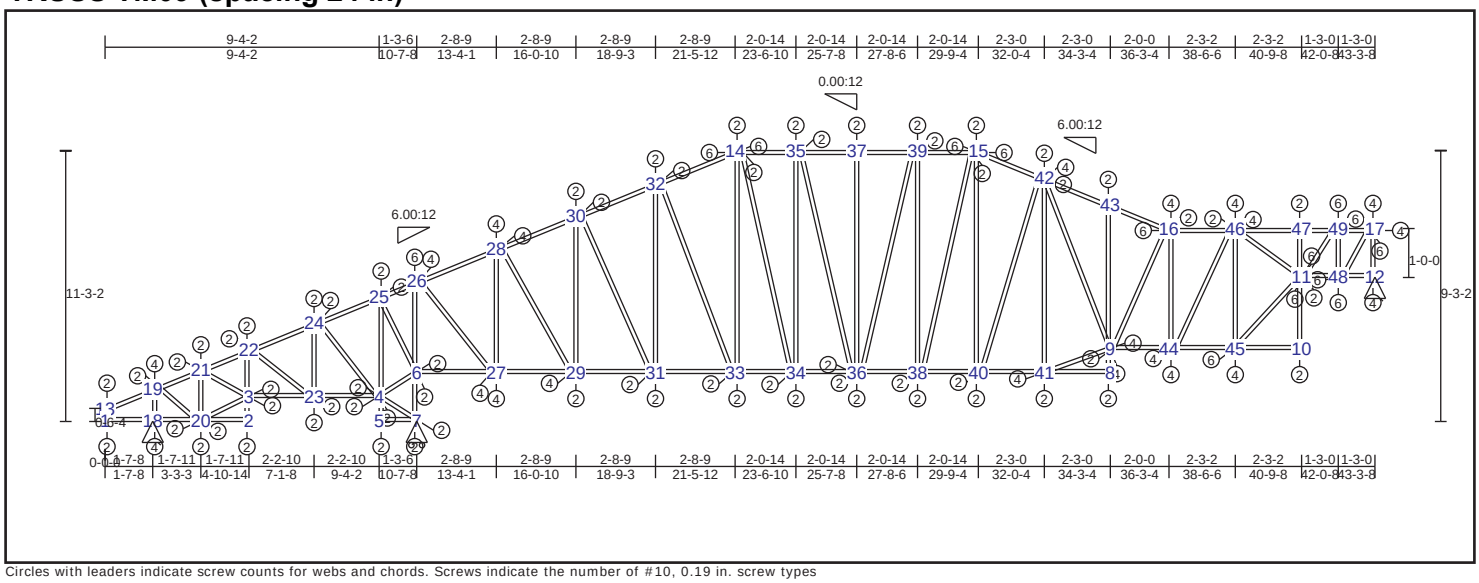
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
16-27	0.58	-3386 lbs	-3386 lbs	6-9	0.72	-1830 lbs	-1830 lbs	1-15	0.21	-1353 lbs	-1353 lbs	46-47	0.06	527 lbs	-449 lbs
27-29	0.39	-1478 lbs	-1478 lbs	8-10	0.02	25 lbs	-21 lbs	21-22	0.22	-1416 lbs	-1416 lbs	14-19	0.01	100 lbs	-56 lbs
17-29	0.42	-1289 lbs	-1289 lbs	12-46	0.23	-420 lbs	-420 lbs	23-24	0.21	-1353 lbs	-1353 lbs	20-48	0.05	-367 lbs	-367 lbs
17-32	0.32	-1119 lbs	-1119 lbs	20-46	0.56	-716 lbs	-716 lbs	25-26	0.09	-602 lbs	-602 lbs	3-27	0.36	2433 lbs	-1731 lbs
18-32	0.56	-1041 lbs	-1041 lbs	14-20	0.43	0 lbs	0 lbs	2-3	0.56	1054 lbs	-711 lbs	3-5	0.19	1789 lbs	-1225 lbs
18-35	0.41	-1092 lbs	-1092 lbs	5-28	0.50	1428 lbs	-977 lbs	3-16	0.56	-1424 lbs	-1424 lbs	2-5	0.01	66 lbs	-43 lbs
35-37	0.48	-1092 lbs	-1092 lbs	28-30	0.35	1244 lbs	-824 lbs	4-5	0.03	55 lbs	-27 lbs	7-41	0.07	555 lbs	-507 lbs
37-39	0.72	-948 lbs	-948 lbs	30-31	0.40	1064 lbs	-672 lbs	5-27	0.55	-1009 lbs	-1009 lbs	7-9	0.42	-2882 lbs	-2882 lbs
39-40	0.72	655 lbs	-515 lbs	31-33	0.33	985 lbs	-602 lbs	28-29	0.20	655 lbs	-528 lbs	9-42	0.18	-1047 lbs	-1047 lbs
40-41	0.72	1826 lbs	-1180 lbs	33-34	0.31	851 lbs	-521 lbs	17-30	0.30	802 lbs	-658 lbs	9-11	0.19	-1387 lbs	-1387 lbs
41-42	0.45	2140 lbs	-1527 lbs	34-36	0.51	754 lbs	-521 lbs	31-32	0.13	-273 lbs	-273 lbs	8-11	0.00	-16 lbs	-16 lbs
42-44	0.46	1640 lbs	-1214 lbs	36-38	0.72	476 lbs	-407 lbs	18-33	0.13	-277 lbs	-277 lbs	13-47	0.08	-602 lbs	-602 lbs
44-45	0.36	1415 lbs	-1077 lbs	7-38	0.72	-1509 lbs	-1509 lbs	34-35	0.22	-637 lbs	-637 lbs	13-46	0.07	-504 lbs	-504 lbs
45-47	0.23	1057 lbs	-760 lbs	11-43	0.23	-1023 lbs	-1023 lbs	36-37	0.28	-1098 lbs	-1098 lbs	15-21	0.20	1717 lbs	-1220 lbs
47-48	0.52	951 lbs	-669 lbs	13-43	0.23	-1023 lbs	-1023 lbs	38-39	0.34	-1805 lbs	-1805 lbs	22-23	0.15	1313 lbs	-925 lbs
19-48	0.12	58 lbs	-25 lbs	2-4	0.03	-2 lbs	-2 lbs	6-7	0.56	-2203 lbs	-2203 lbs	24-25	0.18	1628 lbs	-1106 lbs
15-22	0.72	-929 lbs	-929 lbs	1-21	0.72	929 lbs	-660 lbs	7-40	0.56	-2659 lbs	-2659 lbs	3-16	0.01	68 lbs	-50 lbs
22-24	0.72	-1657 lbs	-1657 lbs	21-23	0.72	1657 lbs	-1173 lbs	8-9	0.56	-3689 lbs	-3689 lbs	27-28	0.21	-672 lbs	-672 lbs
24-26	0.72	-2560 lbs	-2560 lbs	23-25	0.72	2560 lbs	-1787 lbs	9-41	0.56	-3689 lbs	-3689 lbs	29-30	0.30	-759 lbs	-759 lbs
16-26	0.72	-2560 lbs	-2560 lbs	3-25	0.72	2560 lbs	-1787 lbs	10-11	0.08	16 lbs	-7 lbs	17-31	0.18	-376 lbs	-376 lbs
								11-42	0.46	979 lbs	-692 lbs				
								43-44	0.06	-390 lbs	-390 lbs				
								12-13	0.19	-237 lbs	-237 lbs				
								13-45	0.19	-339 lbs	-339 lbs				

TRUSS TM09 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.69 (49 - 17)	TL(V): 0.1 in.	L / 752	(9-44)	L / 90
BC :	0.59 (11 - 48)	LL(V): 0.07 in.	L / 999	(9-44)	L / 90
Web :	0.66 (11 - 47)	DL(V): 0.03 in.	L / 999	(42-43)	L / 0
		Cant / OH TL: 0.07 in.	2L / 375	(42-43)	2L / 90
		Cant / OH LL: 0.07 in.	2L / 375	(42-43)	2L / 90
		Horiz TL: -0.01 in.		17	
		Web :			
		Snow/Wind -0.08 in.	L / 999	(42-43)	L / 90
		Cant (Snow/Wind) -0.08 in.	L / 346	(42-43)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	HRoll		0 lbs	1860 lbs	0 lbs	0 lbs	0 lbs
12	Fixed		-840 lbs	1480 lbs	0 lbs	-690 lbs	-840 lbs
18	Fixed		720 lbs	840 lbs	0 lbs	-390 lbs	720 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-3-11	43-3-8

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

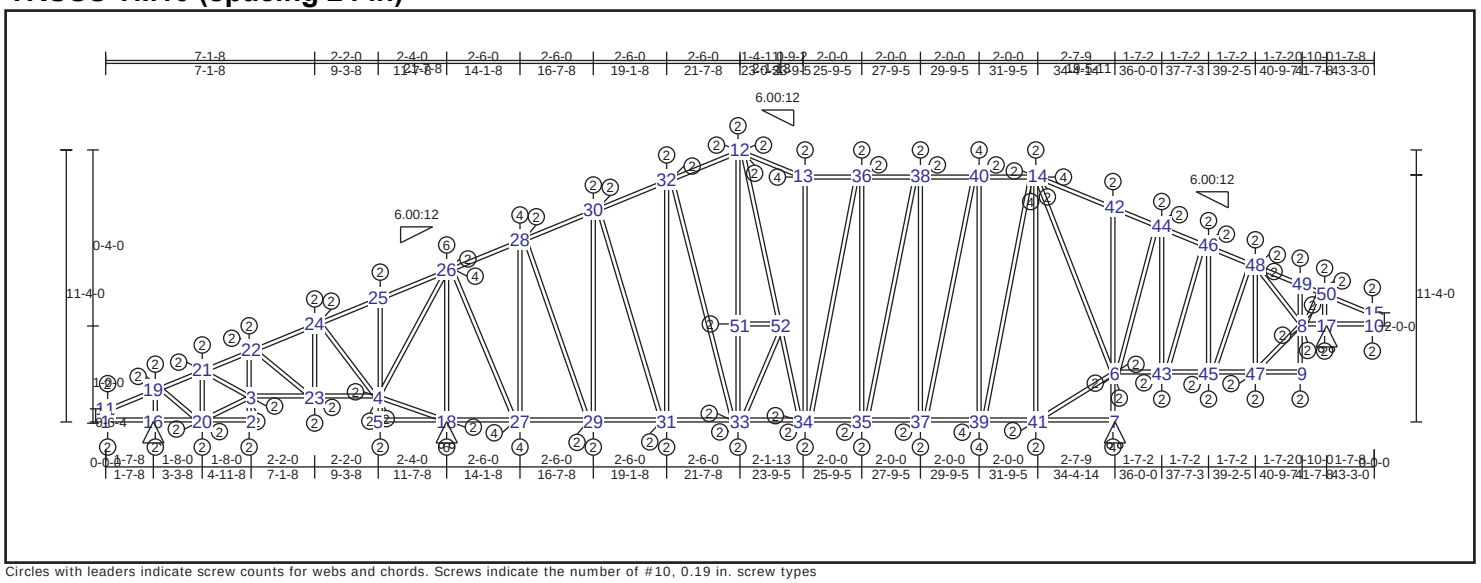
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
14-35	0.68	-1627 lbs	-1627 lbs	9-44	0.41	1362 lbs	-875 lbs	1-13	0.01	77 lbs	-18 lbs	48-49	0.28	-2063 lbs	-2063 lbs
35-37	0.51	-1650 lbs	-1650 lbs	44-45	0.52	1362 lbs	-875 lbs	20-21	0.03	-249 lbs	-249 lbs	12-17	0.20	-1473 lbs	-1473 lbs
37-39	0.33	-1650 lbs	-1650 lbs	10-45	0.02	13 lbs	-9 lbs	2-3	0.17	-200 lbs	-200 lbs	18-19	0.11	-818 lbs	-818 lbs
15-39	0.42	-1627 lbs	-1627 lbs	11-48	0.59	365 lbs	-328 lbs	3-22	0.17	-211 lbs	-211 lbs	11-46	0.05	-297 lbs	-297 lbs
15-42	0.46	-1754 lbs	-1754 lbs	12-48	0.59	-841 lbs	-841 lbs	23-24	0.03	-177 lbs	-177 lbs	11-45	0.17	1603 lbs	-983 lbs
42-43	0.41	-2202 lbs	-2202 lbs	1-18	0.34	0 lbs	0 lbs	4-5	0.07	24 lbs	-17 lbs	9-41	0.11	1136 lbs	-717 lbs
16-43	0.33	-2166 lbs	-2166 lbs	18-20	0.41	-722 lbs	-722 lbs	4-25	0.41	502 lbs	-421 lbs	9-42	0.26	969 lbs	-669 lbs
16-46	0.62	-1977 lbs	-1977 lbs	2-20	0.21	-373 lbs	-373 lbs	6-7	0.28	-2141 lbs	-2141 lbs	4-7	0.00	29 lbs	-27 lbs
46-47	0.62	-1693 lbs	-1693 lbs	3-23	0.09	-339 lbs	-339 lbs	6-26	0.35	-2141 lbs	-2141 lbs	4-6	0.06	-434 lbs	-434 lbs
47-49	0.69	-1654 lbs	-1654 lbs	4-23	0.13	-221 lbs	-221 lbs	27-28	0.26	-1145 lbs	-1145 lbs	6-25	0.06	-391 lbs	-391 lbs
17-49	0.69	-821 lbs	-821 lbs	6-27	0.59	-486 lbs	-486 lbs	29-30	0.19	-621 lbs	-621 lbs	3-20	0.06	-444 lbs	-444 lbs
13-19	0.23	63 lbs	-8 lbs	27-29	0.59	569 lbs	-332 lbs	31-32	0.11	-246 lbs	-246 lbs	3-21	0.01	96 lbs	-79 lbs
19-21	0.41	-609 lbs	-609 lbs	29-31	0.29	678 lbs	-383 lbs	14-33	0.11	-195 lbs	-195 lbs	19-20	0.06	601 lbs	-141 lbs
21-22	0.19	-636 lbs	-636 lbs	31-33	0.12	678 lbs	-383 lbs	34-35	0.37	-672 lbs	-672 lbs	22-23	0.03	237 lbs	-180 lbs
22-24	0.18	-636 lbs	-636 lbs	33-34	0.36	784 lbs	-466 lbs	36-37	0.09	-155 lbs	-155 lbs	4-25	0.04	348 lbs	-246 lbs
24-25	0.23	-540 lbs	-540 lbs	34-36	0.36	856 lbs	-520 lbs	38-39	0.12	-221 lbs	-221 lbs	26-27	0.17	1352 lbs	-847 lbs
25-26	0.69	-1014 lbs	-1014 lbs	36-38	0.14	883 lbs	-540 lbs	15-40	0.24	566 lbs	-443 lbs	28-29	0.11	768 lbs	-434 lbs
26-28	0.69	-1591 lbs	-1591 lbs	38-40	0.29	883 lbs	-540 lbs	41-42	0.18	-397 lbs	-397 lbs	30-31	0.06	318 lbs	-181 lbs
28-30	0.54	-1760 lbs	-1760 lbs	40-41	0.26	995 lbs	-633 lbs	8-9	0.46	456 lbs	-281 lbs	32-33	0.03	206 lbs	-63 lbs
30-32	0.46	-1760 lbs	-1760 lbs	8-41	0.22	995 lbs	-633 lbs	9-43	0.46	456 lbs	-412 lbs	36-39	0.10	-174 lbs	-174 lbs
14-32	0.43	-1751 lbs	-1751 lbs	5-7	0.01	21 lbs	-20 lbs	16-44	0.22	-1001 lbs	-1001 lbs	15-38	0.06	207 lbs	-103 lbs
								45-46	0.28	-1295 lbs	-1295 lbs	40-42	0.26	-549 lbs	-549 lbs
								10-11	0.45	1293 lbs	-787 lbs	44-46	0.18	1098 lbs	-786 lbs
								11-47	0.66	1441 lbs	-939 lbs	11-47	0.17	1811 lbs	-1154 lbs
												17-48	0.19	2021 lbs	-1268 lbs
												14-34	0.28	657 lbs	-497 lbs
												35-36	0.16	387 lbs	-290 lbs

TRUSS TM10 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.69 (40 - 14)	TL(V): 0.06 in.	L / 447	(12-13)	L / 90
BC :	0.51 (18 - 27)	LL(V): 0.04 in.	L / 647	(12-13)	L / 90
Web :	0.90 (6 - 42)	DL(V): 0.02 in.	L / 999	(12-13)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(12-13)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(12-13)	2L / 90
		Horiz TL: 0.01 in.		52	
		Web :			
		Snow/Wind -0.05 in.	L / 558	(12-13)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 999	(12-13)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	HRoll		0 lbs	1320 lbs	0 lbs	-690 lbs	0 lbs
16	Fixed		420 lbs	590 lbs	0 lbs	-330 lbs	420 lbs
17	HRoll		0 lbs	600 lbs	0 lbs	-370 lbs	0 lbs
18	HRoll		0 lbs	1310 lbs	0 lbs	-150 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-4	43-3-0

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

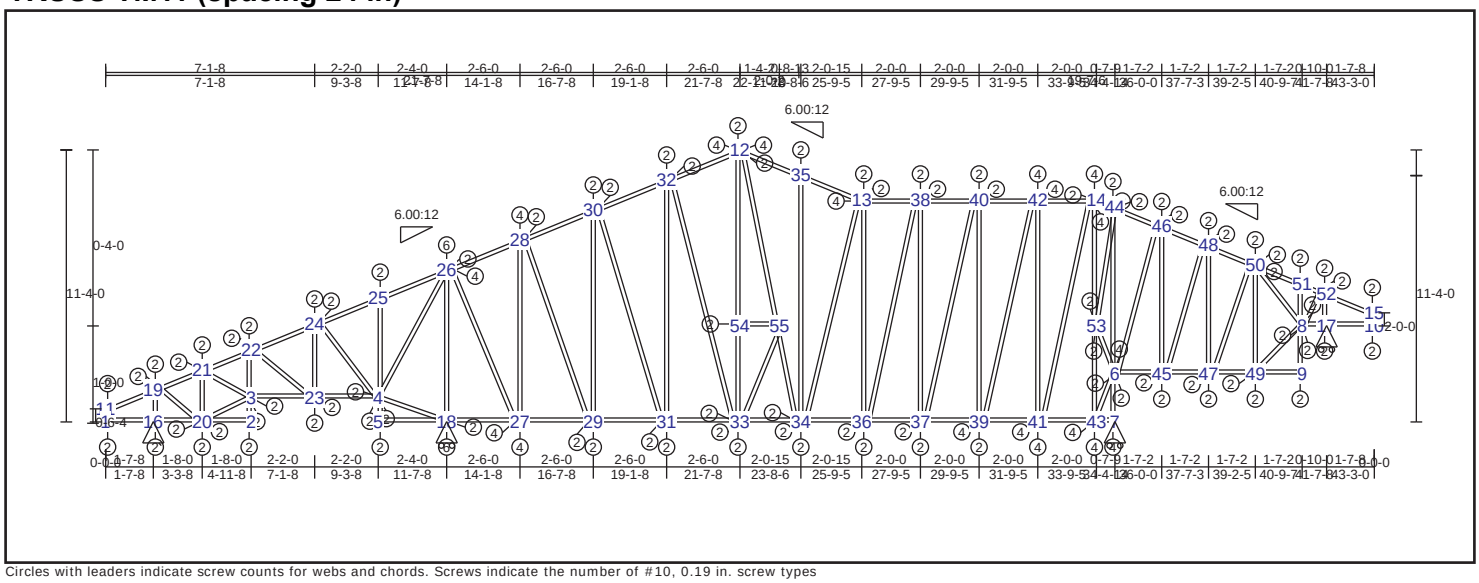
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
13-36	0.24	-689 lbs	-689 lbs	6-43	0.10	121 lbs	-13 lbs	1-11	0.01	77 lbs	-23 lbs	8-49	0.08	178 lbs	-159 lbs
36-38	0.28	-667 lbs	-667 lbs	43-45	0.11	154 lbs	-43 lbs	20-21	0.05	-390 lbs	-390 lbs	10-15	0.01	64 lbs	-25 lbs
38-40	0.46	632 lbs	-602 lbs	45-47	0.03	154 lbs	-57 lbs	2-3	0.19	-251 lbs	-251 lbs	16-19	0.07	-535 lbs	-535 lbs
14-40	0.69	573 lbs	-500 lbs	9-47	0.01	8 lbs	-3 lbs	3-22	0.19	-251 lbs	-251 lbs	17-50	0.06	-477 lbs	-477 lbs
11-19	0.20	60 lbs	-10 lbs	8-17	0.36	0 lbs	0 lbs	23-24	0.04	-267 lbs	-267 lbs	8-48	0.01	145 lbs	-79 lbs
19-21	0.31	-552 lbs	-552 lbs	10-17	0.28	0 lbs	0 lbs	4-5	0.06	65 lbs	-28 lbs	8-47	0.02	220 lbs	-87 lbs
21-22	0.14	-552 lbs	-552 lbs	1-16	0.34	0 lbs	0 lbs	4-25	0.50	474 lbs	-424 lbs	6-41	0.03	345 lbs	-94 lbs
22-24	0.19	-477 lbs	-477 lbs	16-20	0.42	-419 lbs	-419 lbs	18-26	0.49	-1662 lbs	-1662 lbs	6-14	0.33	-662 lbs	-662 lbs
24-25	0.25	-231 lbs	-231 lbs	2-20	0.11	-419 lbs	-419 lbs	27-28	0.39	-983 lbs	-983 lbs	4-26	0.12	-452 lbs	-452 lbs
25-26	0.69	-496 lbs	-496 lbs	3-23	0.13	-565 lbs	-565 lbs	29-30	0.28	-553 lbs	-553 lbs	4-18	0.01	145 lbs	-71 lbs
26-28	0.56	-721 lbs	-721 lbs	4-23	0.13	334 lbs	-317 lbs	31-32	0.14	-226 lbs	-226 lbs	3-21	0.02	257 lbs	-166 lbs
28-30	0.42	-772 lbs	-772 lbs	5-18	0.17	139 lbs	-82 lbs	13-34	0.36	-561 lbs	-561 lbs	3-20	0.07	-497 lbs	-497 lbs
30-32	0.30	-772 lbs	-772 lbs	18-27	0.51	276 lbs	-126 lbs	35-36	0.21	-323 lbs	-323 lbs	33-51	0.04	-183 lbs	-183 lbs
12-32	0.27	-738 lbs	-738 lbs	27-29	0.51	454 lbs	-227 lbs	37-38	0.37	-570 lbs	-570 lbs	12-51	0.09	-183 lbs	-183 lbs
12-13	0.35	-822 lbs	-822 lbs	29-31	0.26	522 lbs	-245 lbs	39-40	0.58	-912 lbs	-912 lbs	33-52	0.00	5 lbs	-4 lbs
14-42	0.21	366 lbs	-232 lbs	31-33	0.11	522 lbs	-245 lbs	14-41	0.14	-211 lbs	-211 lbs	51-52	0.00	-1 lbs	-1 lbs
42-44	0.16	267 lbs	-173 lbs	33-34	0.26	592 lbs	-260 lbs	6-7	0.25	-1308 lbs	-1308 lbs	19-20	0.03	317 lbs	-62 lbs
44-46	0.11	290 lbs	-228 lbs	34-35	0.28	592 lbs	-260 lbs	6-42	0.90	-1308 lbs	-1308 lbs	22-23	0.04	352 lbs	-250 lbs
46-48	0.10	271 lbs	-251 lbs	35-37	0.27	569 lbs	-241 lbs	43-44	0.06	-209 lbs	-209 lbs	4-25	0.07	422 lbs	-393 lbs
48-49	0.12	260 lbs	-251 lbs	37-39	0.47	505 lbs	-202 lbs	45-46	0.02	-70 lbs	-70 lbs	26-27	0.22	1031 lbs	-677 lbs
49-50	0.30	-175 lbs	-175 lbs	39-41	0.47	402 lbs	-144 lbs	47-48	0.03	-151 lbs	-151 lbs	28-29	0.16	651 lbs	-370 lbs
15-50	0.19	56 lbs	-11 lbs	7-41	0.09	262 lbs	-69 lbs	8-9	0.08	178 lbs	-68 lbs	30-31	0.07	284 lbs	-122 lbs
												32-33	0.04	192 lbs	-65 lbs
												34-36	0.08	147 lbs	-121 lbs

TRUSS TM11 (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 :	0.74 (42 - 14)	TL(V): 0.07 in.	L / 999	(34-36)	L / 90
BC :	0.56 (39 - 41)	LL(V): 0.05 in.	L / 999	(34-36)	L / 90
Web :	0.60 (41 - 42)	DL(V): 0.02 in.	L / 999	(34-36)	L / 0
		Cant / OH TL: 0.05 in.	2L / 999	(34-36)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 999	(34-36)	2L / 90
		Horiz TL: 0.02 in.		55	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(34-36)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 999	(34-36)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	HRoll		0 lbs	1120 lbs	0 lbs	-520 lbs	0 lbs
16	Fixed		420 lbs	570 lbs	0 lbs	-330 lbs	420 lbs
17	HRoll		0 lbs	750 lbs	0 lbs	-490 lbs	0 lbs
18	HRoll		0 lbs	1370 lbs	0 lbs	-150 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-4	43-3-0

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

Material Design Pass

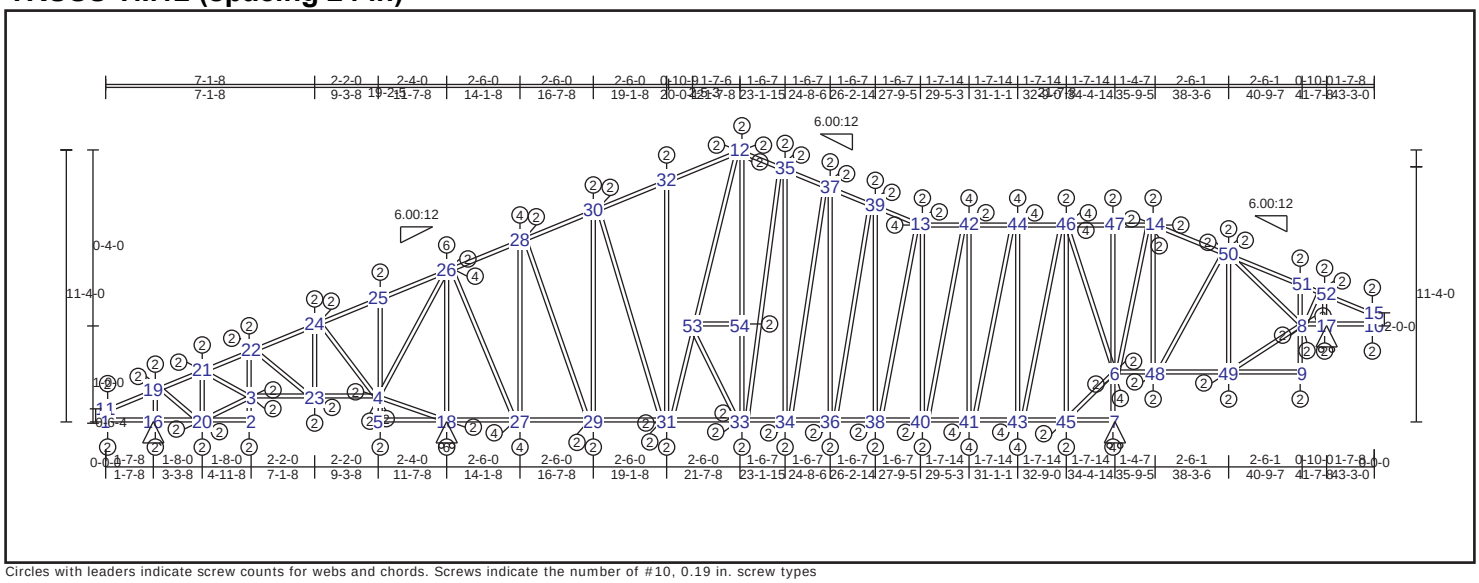
Member Forces Summary

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

Top Chord				Bot Chord				Web			
11-19	0.19	60 lbs	-11 lbs	6-45	0.05	255 lbs	-133 lbs	1-11	0.01	77 lbs	-24 lbs
19-21	0.31	-526 lbs	-526 lbs	45-47	0.07	265 lbs	-157 lbs	20-21	0.05	-373 lbs	-373 lbs
21-22	0.14	-526 lbs	-526 lbs	47-49	0.07	265 lbs	-157 lbs	2-3	0.19	-251 lbs	-251 lbs
22-24	0.18	-450 lbs	-450 lbs	9-49	0.01	12 lbs	-7 lbs	3-22	0.19	-251 lbs	-251 lbs
24-25	0.25	-202 lbs	-202 lbs	8-17	0.35	0 lbs	0 lbs	23-24	0.04	-267 lbs	-267 lbs
25-26	0.72	-502 lbs	-502 lbs	10-17	0.27	0 lbs	0 lbs	4-5	0.06	64 lbs	-28 lbs
26-28	0.58	-747 lbs	-747 lbs	1-16	0.34	0 lbs	0 lbs	4-25	0.50	473 lbs	-421 lbs
28-30	0.44	-812 lbs	-812 lbs	16-20	0.42	-418 lbs	-418 lbs	18-26	0.51	-1723 lbs	-1723 lbs
30-32	0.31	-812 lbs	-812 lbs	2-20	0.11	-418 lbs	-418 lbs	27-28	0.42	-1047 lbs	-1047 lbs
12-32	0.28	-781 lbs	-781 lbs	3-23	0.13	-563 lbs	-563 lbs	29-30	0.31	-608 lbs	-608 lbs
12-35	0.34	-893 lbs	-893 lbs	4-23	0.13	-315 lbs	-315 lbs	31-32	0.17	-267 lbs	-267 lbs
13-35	0.26	-893 lbs	-893 lbs	5-18	0.17	140 lbs	-92 lbs	34-35	0.15	-239 lbs	-239 lbs
13-38	0.31	-787 lbs	-787 lbs	18-27	0.55	275 lbs	-134 lbs	13-36	0.12	-221 lbs	-221 lbs
38-40	0.35	-730 lbs	-730 lbs	27-29	0.55	469 lbs	-243 lbs	37-38	0.30	-540 lbs	-540 lbs
40-42	0.54	654 lbs	-627 lbs	29-31	0.28	549 lbs	-266 lbs	39-40	0.40	-732 lbs	-732 lbs
14-42	0.74	567 lbs	-482 lbs	31-33	0.13	549 lbs	-266 lbs	41-42	0.60	-1083 lbs	-1083 lbs
14-44	0.22	519 lbs	-379 lbs	33-34	0.39	644 lbs	-295 lbs	14-43	0.42	-770 lbs	-770 lbs
44-46	0.20	444 lbs	-334 lbs	34-36	0.35	707 lbs	-372 lbs	6-7	0.25	-1096 lbs	-1096 lbs
46-48	0.11	439 lbs	-375 lbs	36-37	0.26	707 lbs	-372 lbs	6-44	0.25	-1096 lbs	-1096 lbs
48-50	0.14	416 lbs	-392 lbs	37-39	0.34	649 lbs	-350 lbs	45-46	0.03	-103 lbs	-103 lbs
50-51	0.17	403 lbs	-392 lbs	39-41	0.56	547 lbs	-294 lbs	47-48	0.03	-123 lbs	-123 lbs
51-52	0.35	-245 lbs	-245 lbs	41-43	0.56	402 lbs	-208 lbs	49-50	0.05	-253 lbs	-253 lbs
15-52	0.20	57 lbs	-10 lbs	7-43	0.05	-17 lbs	-17 lbs	8-9	0.13	275 lbs	-166 lbs

8-51	0.16	309 lbs	-166 lbs
10-15	0.01	63 lbs	-22 lbs
17-52	0.08	-637 lbs	-637 lbs
16-19	0.07	-520 lbs	-520 lbs
44-53	0.00	0 lbs	0 lbs
6-53	0.00	0 lbs	0 lbs
6-43	0.07	759 lbs	-340 lbs
4-26	0.12	-449 lbs	-449 lbs
3-21	0.02	241 lbs	-164 lbs
3-20	0.07	-496 lbs	-496 lbs
4-18	0.01	146 lbs	-83 lbs
8-50	0.02	164 lbs	-110 lbs
8-49	0.03	345 lbs	-213 lbs
33-54	0.04	-142 lbs	-142 lbs
12-54	0.10	-142 lbs	-142 lbs
33-55	0.00	7 lbs	-6 lbs
54-55	0.00	-2 lbs	-2 lbs
19-20	0.03	302 lbs	-61 lbs
22-23	0.04	352 lbs	-253 lbs
4-25	0.07	423 lbs	-395 lbs
26-27	0.23	1095 lbs	-707 lbs
28-29	0.17	708 lbs	-397 lbs
30-31	0.09	333 lbs	-159 lbs
32-33	0.03	189 lbs	-51 lbs
13-34	0.18	441 lbs	-324 lbs

TRUSS TM12 (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 (25 - 26)	TL(V): 0.06 in.	L / 999	(39-13)	L / 90
BC :	0.51 (41 - 43)	LL(V): 0.04 in.	L / 999	(39-13)	L / 90
Web :	0.50 (4 - 25)	DL(V): 0.02 in.	L / 999	(39-13)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(39-13)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(39-13)	2L / 90
		Horiz TL: 0.01 in.		32	
		Web :			
		Snow/Wind -0.05 in.	L / 566	(17-10)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 999	(17-10)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	HRoll		0 lbs	1440 lbs	0 lbs	-810 lbs	0 lbs
16	Fixed		420 lbs	580 lbs	0 lbs	-320 lbs	420 lbs
17	HRoll		0 lbs	510 lbs	0 lbs	-300 lbs	0 lbs
18	HRoll		0 lbs	1300 lbs	0 lbs	-140 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-4	43-3-0

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

Material Design Pass

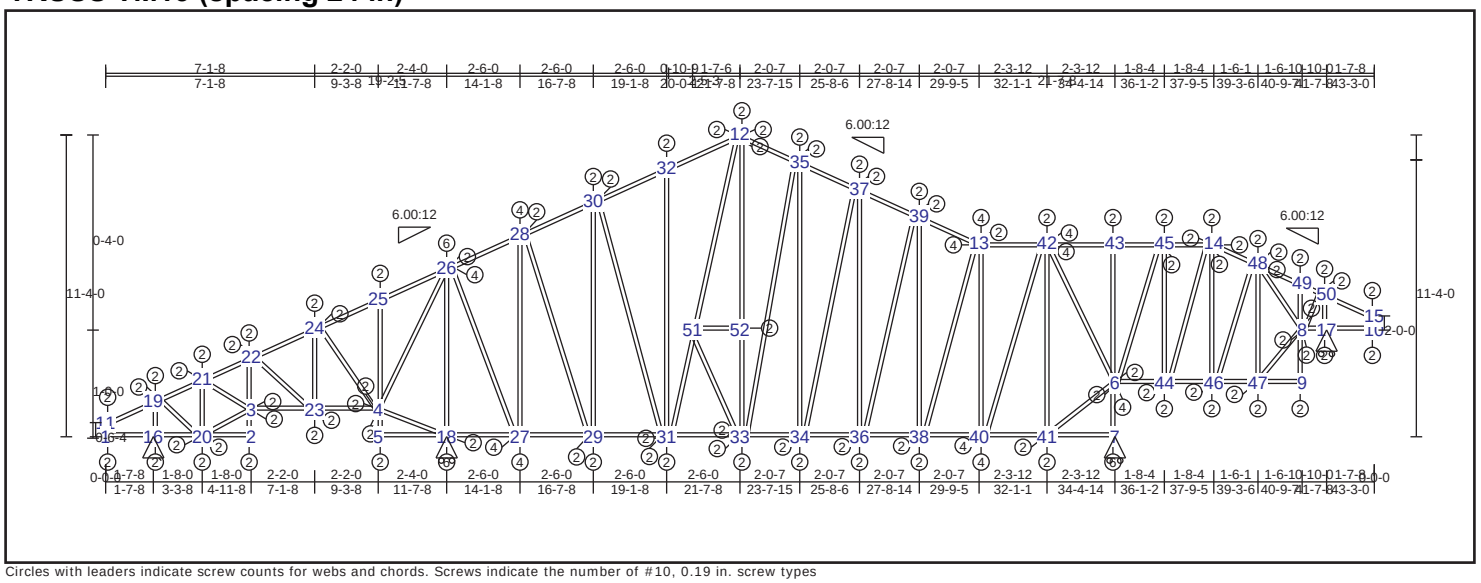
Member Forces Summary

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

Top Chord				Bot Chord				Web			
11-19	0.19	60 lbs	-10 lbs	6-48	0.38	246 lbs	-66 lbs	1-11	0.01	77 lbs	-23 lbs
19-21	0.31	-550 lbs	-550 lbs	48-49	0.11	142 lbs	-47 lbs	20-21	0.05	-388 lbs	-388 lbs
21-22	0.14	-550 lbs	-550 lbs	9-49	0.05	110 lbs	-2 lbs	2-3	0.19	-250 lbs	-250 lbs
22-24	0.19	-475 lbs	-475 lbs	8-17	0.37	0 lbs	0 lbs	3-22	0.19	-250 lbs	-250 lbs
24-25	0.25	-228 lbs	-228 lbs	10-17	0.29	0 lbs	0 lbs	23-24	0.04	-267 lbs	-267 lbs
25-26	0.67	-481 lbs	-481 lbs	1-16	0.34	0 lbs	0 lbs	4-5	0.06	69 lbs	-29 lbs
26-28	0.55	-699 lbs	-699 lbs	16-20	0.42	-417 lbs	-417 lbs	4-25	0.50	476 lbs	-426 lbs
28-30	0.41	-741 lbs	-741 lbs	2-20	0.11	-417 lbs	-417 lbs	18-26	0.48	-1634 lbs	-1634 lbs
30-32	0.29	-741 lbs	-741 lbs	3-23	0.13	-560 lbs	-560 lbs	27-28	0.38	-959 lbs	-959 lbs
12-32	0.25	-725 lbs	-725 lbs	4-23	0.13	331 lbs	-311 lbs	29-30	0.27	-525 lbs	-525 lbs
13-42	0.39	-648 lbs	-648 lbs	5-18	0.16	146 lbs	-82 lbs	31-32	0.16	263 lbs	-263 lbs
42-44	0.48	-545 lbs	-545 lbs	18-27	0.50	265 lbs	-113 lbs	34-35	0.29	-427 lbs	-427 lbs
44-46	0.55	-402 lbs	-402 lbs	27-29	0.50	437 lbs	-209 lbs	36-37	0.17	-283 lbs	-283 lbs
46-47	0.55	292 lbs	-241 lbs	29-31	0.24	499 lbs	-221 lbs	38-39	0.06	-118 lbs	-118 lbs
14-47	0.22	171 lbs	-105 lbs	31-33	0.18	499 lbs	-221 lbs	13-40	0.28	-606 lbs	-606 lbs
12-35	0.24	-717 lbs	-717 lbs	33-34	0.26	542 lbs	-215 lbs	41-42	0.39	-842 lbs	-842 lbs
35-37	0.20	-752 lbs	-752 lbs	34-36	0.20	581 lbs	-243 lbs	43-44	0.48	-1035 lbs	-1035 lbs
37-39	0.17	-774 lbs	-774 lbs	36-38	0.13	599 lbs	-262 lbs	45-46	0.13	-281 lbs	-281 lbs
13-39	0.18	-795 lbs	-795 lbs	38-40	0.11	599 lbs	-263 lbs	6-7	0.35	-1427 lbs	-1427 lbs
14-50	0.20	166 lbs	-134 lbs	40-41	0.40	585 lbs	-263 lbs	6-47	0.35	-1427 lbs	-1427 lbs
50-51	0.16	167 lbs	-156 lbs	41-43	0.51	482 lbs	-203 lbs	14-48	0.08	-266 lbs	-266 lbs
51-52	0.27	-132 lbs	-132 lbs	43-45	0.51	339 lbs	-124 lbs	49-50	0.01	-46 lbs	-46 lbs
15-52	0.18	56 lbs	-12 lbs	7-45	0.02	-27 lbs	-27 lbs	8-9	0.06	93 lbs	0 lbs

8-51	0.08	-157 lbs	-157 lbs								
10-15	0.01	66 lbs	-27 lbs								
17-52	0.05	-378 lbs	-378 lbs								
16-19	0.07	-534 lbs	-534 lbs								
3-20	0.07	-494 lbs	-494 lbs								
3-21	0.02	256 lbs	-162 lbs								
4-26	0.12	-452 lbs	-452 lbs								
4-18	0.01	153 lbs	-72 lbs								
6-46	0.26	-856 lbs	-856 lbs								
6-45	0.03	320 lbs	-76 lbs								
8-49	0.01	132 lbs	0 lbs								
8-50	0.01	88 lbs	-42 lbs								
33-54	0.10	-507 lbs	-507 lbs								
12-54	0.21	-507 lbs	-507 lbs								
33-53	0.00	2 lbs	-1 lbs								
53-54	0.00	0 lbs	0 lbs								
19-20	0.03	315 lbs	-57 lbs								
22-23	0.04	353 lbs	-251 lbs								
4-25	0.07	422 lbs	-393 lbs								
26-27	0.22	1005 lbs	-654 lbs								
28-29	0.15	628 lbs	-349 lbs								
30-31	0.05	260 lbs	-97 lbs								

TRUSS TM13 (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 :	0.63 (25 - 26)	TL(V): 0.04 in.	L / 999	(32-12)	L / 90
BC :	0.45 (18 - 27)	LL(V): 0.03 in.	L / 999	(32-12)	L / 90
Web :	0.82 (6 - 43)	DL(V): 0.02 in.	L / 999	(35-37)	L / 0
		Cant / OH TL: 0.03 in.	2L / 999	(32-12)	2L / 90
		Cant / OH LL: 0.03 in.	2L / 999	(32-12)	2L / 90
		Horiz TL: 0.01 in.		41	
		Web :			
		Snow/Wind -0.05 in.	L / 557	(17-10)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 999	(17-10)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	HRoll		0 lbs	1540 lbs	0 lbs	-840 lbs	0 lbs
16	Fixed		420 lbs	640 lbs	0 lbs	-350 lbs	420 lbs
17	HRoll		0 lbs	450 lbs	0 lbs	-280 lbs	0 lbs
18	HRoll		0 lbs	1210 lbs	0 lbs	-130 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-4	43-3-0

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

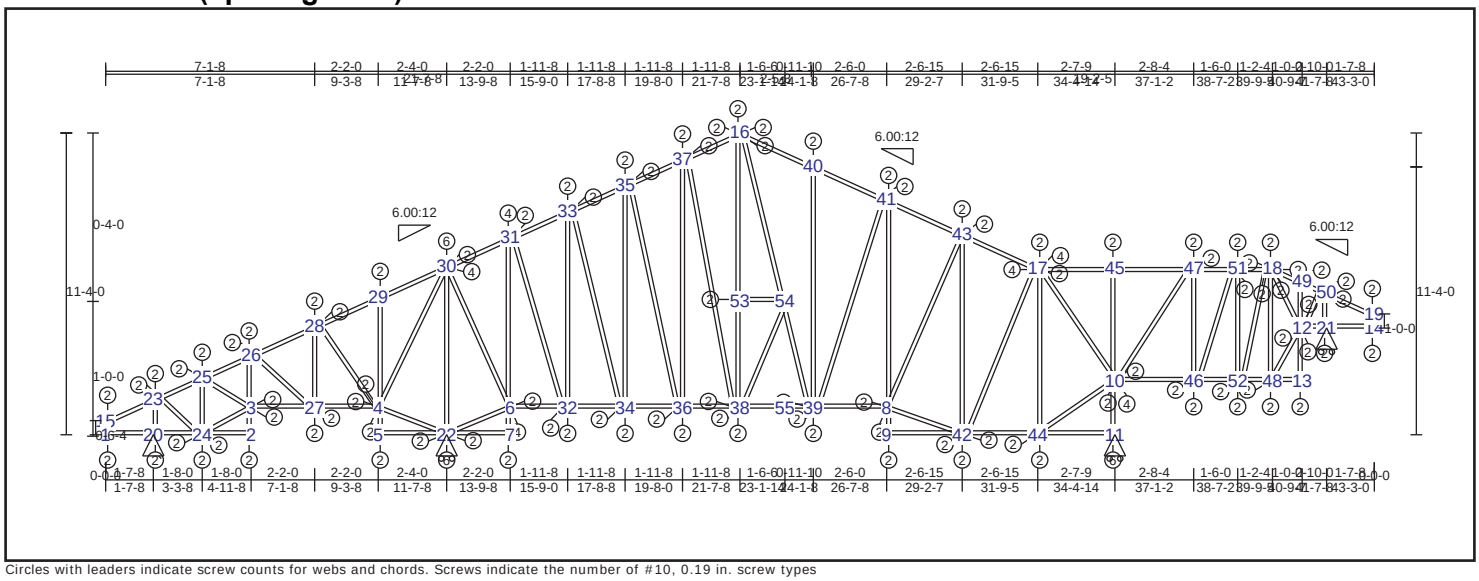
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
11-19	0.21	61 lbs	-9 lbs	6-44	0.11	113 lbs	-48 lbs	1-11	0.01	76 lbs	-21 lbs
19-21	0.33	-660 lbs	-660 lbs	44-46	0.11	113 lbs	-48 lbs	20-21	0.06	-458 lbs	-458 lbs
21-22	0.16	-660 lbs	-660 lbs	46-47	0.07	83 lbs	-22 lbs	2-3	0.19	-265 lbs	-265 lbs
22-24	0.20	-590 lbs	-590 lbs	9-47	0.01	6 lbs	0 lbs	3-22	0.20	-265 lbs	-265 lbs
24-25	0.24	-349 lbs	-349 lbs	8-17	0.37	0 lbs	0 lbs	23-24	0.04	-265 lbs	-265 lbs
25-26	0.63	-542 lbs	-542 lbs	10-17	0.29	0 lbs	0 lbs	4-5	0.06	61 lbs	-16 lbs
26-28	0.51	-732 lbs	-732 lbs	1-16	0.34	0 lbs	0 lbs	4-25	0.49	477 lbs	-428 lbs
28-30	0.38	-755 lbs	-755 lbs	16-20	0.42	-440 lbs	-440 lbs	18-26	0.46	-1569 lbs	-1569 lbs
30-32	0.29	-755 lbs	-755 lbs	2-20	0.13	-440 lbs	-440 lbs	27-28	0.35	-870 lbs	-870 lbs
12-32	0.26	-753 lbs	-753 lbs	3-23	0.13	-613 lbs	-613 lbs	29-30	0.23	-448 lbs	-448 lbs
13-42	0.56	-530 lbs	-530 lbs	4-23	0.14	438 lbs	-368 lbs	31-32	0.16	264 lbs	-263 lbs
42-43	0.56	-294 lbs	-294 lbs	5-18	0.17	116 lbs	-38 lbs	34-35	0.20	-305 lbs	-305 lbs
43-45	0.18	114 lbs	-50 lbs	18-27	0.45	327 lbs	-146 lbs	36-37	0.07	-124 lbs	-124 lbs
14-45	0.13	160 lbs	-96 lbs	27-29	0.45	478 lbs	-229 lbs	38-39	0.14	-310 lbs	-310 lbs
14-48	0.07	159 lbs	-115 lbs	29-31	0.21	523 lbs	-233 lbs	13-40	0.33	-889 lbs	-889 lbs
48-49	0.08	130 lbs	-106 lbs	31-33	0.16	523 lbs	-233 lbs	41-42	0.09	-240 lbs	-240 lbs
49-50	0.26	120 lbs	-101 lbs	33-34	0.24	563 lbs	-226 lbs	6-7	0.31	-1528 lbs	-1528 lbs
15-50	0.18	56 lbs	-12 lbs	34-36	0.14	592 lbs	-251 lbs	6-43	0.82	-1528 lbs	-1528 lbs
12-35	0.26	-730 lbs	-730 lbs	36-38	0.14	592 lbs	-265 lbs	44-45	0.05	246 lbs	-211 lbs
35-37	0.20	-765 lbs	-765 lbs	38-40	0.20	578 lbs	-265 lbs	14-46	0.04	-155 lbs	-155 lbs
37-39	0.25	-795 lbs	-795 lbs	40-41	0.45	484 lbs	-226 lbs	47-48	0.01	-76 lbs	-76 lbs
13-39	0.27	-806 lbs	-806 lbs	7-41	0.04	247 lbs	-86 lbs	8-9	0.05	104 lbs	-5 lbs
								8-49	0.07	-173 lbs	-173 lbs
								10-15	0.01	66 lbs	-27 lbs
								17-50	0.04	-310 lbs	-310 lbs
								16-19	0.08	-596 lbs	-596 lbs
								8-48	0.01	124 lbs	-50 lbs
								8-47	0.01	123 lbs	-6 lbs
								6-41	0.03	351 lbs	-124 lbs
								6-42	0.23	-918 lbs	-918 lbs
								4-18	0.01	129 lbs	-32 lbs
								4-26	0.12	485 lbs	-476 lbs
								3-20	0.07	-521 lbs	-521 lbs
								3-21	0.03	322 lbs	-198 lbs
								33-52	0.09	-448 lbs	-448 lbs
								12-52	0.18	-448 lbs	-448 lbs
								33-51	0.00	2 lbs	-1 lbs
								51-52	0.00	0 lbs	0 lbs
								19-20	0.04	376 lbs	-94 lbs
								22-23	0.04	347 lbs	-241 lbs
								4-25	0.06	419 lbs	-387 lbs
								26-27	0.20	915 lbs	-603 lbs
								28-29	0.13	548 lbs	-304 lbs
								30-31	0.03	193 lbs	-58 lbs
								33-35	0.26	480 lbs	-387 lbs
								34-37	0.09	288 lbs	-165 lbs

TRUSS TM14 (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 :	0.45 (17 - 45)	TL(V): 0.04 in.	L / 999	(16-40)	L / 90
BC :	0.43 (20 - 24)	LL(V): 0.03 in.	L / 999	(16-40)	L / 90
Web :	0.49 (4 - 29)	DL(V): 0.02 in.	L / 999	(16-40)	L / 0
		Cant / OH TL: 0.03 in.	2L / 999	(16-40)	2L / 90
		Cant / OH LL: 0.03 in.	2L / 999	(16-40)	2L / 90
		Horiz TL: 0.01 in.		44	
		Web :			
		Snow/Wind -0.06 in.	L / 824	(50-19)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 999	(50-19)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
11	HRoll		0 lbs	1560 lbs	0 lbs	-700 lbs	0 lbs
20	Fixed		420 lbs	550 lbs	0 lbs	-320 lbs	420 lbs
21	HRoll		0 lbs	400 lbs	0 lbs	-300 lbs	0 lbs
22	HRoll		0 lbs	620 lbs	0 lbs	-130 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-5	43-3-0

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

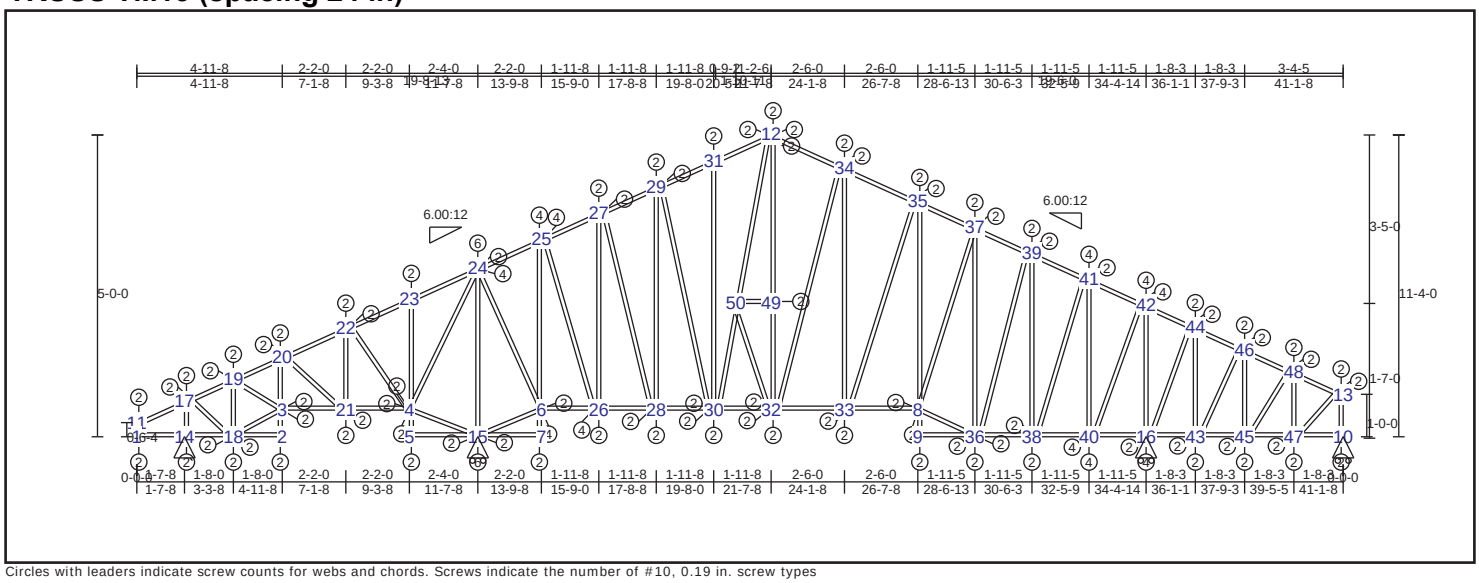
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
15-23	0.19	60 lbs	-11 lbs	10-46	0.37	482 lbs	-246 lbs	1-15	0.01	77 lbs	-25 lbs	12-49	0.07	-187 lbs	-187 lbs
23-25	0.30	-495 lbs	-495 lbs	46-52	0.11	94 lbs	-29 lbs	24-25	0.05	-354 lbs	-354 lbs	14-19	0.01	65 lbs	-28 lbs
25-26	0.14	-495 lbs	-495 lbs	48-52	0.03	72 lbs	-10 lbs	2-3	0.17	-234 lbs	-234 lbs	20-23	0.07	-503 lbs	-503 lbs
26-28	0.19	-418 lbs	-418 lbs	13-48	0.01	5 lbs	0 lbs	3-26	0.18	-234 lbs	-234 lbs	21-50	0.03	-262 lbs	-262 lbs
28-29	0.23	-175 lbs	-175 lbs	12-21	0.37	0 lbs	0 lbs	27-28	0.04	-272 lbs	-272 lbs	51-52	0.01	-58 lbs	-58 lbs
29-30	0.14	317 lbs	-302 lbs	14-21	0.29	0 lbs	0 lbs	4-5	0.08	71 lbs	-47 lbs	12-18	0.02	160 lbs	-51 lbs
30-31	0.41	-641 lbs	-641 lbs	1-20	0.34	0 lbs	0 lbs	4-29	0.49	525 lbs	-497 lbs	12-48	0.01	122 lbs	-15 lbs
31-33	0.35	-739 lbs	-739 lbs	20-24	0.43	-417 lbs	-417 lbs	22-30	0.45	-1513 lbs	-1513 lbs	8-42	0.05	536 lbs	-266 lbs
33-35	0.27	-739 lbs	-739 lbs	2-24	0.10	-392 lbs	-392 lbs	6-7	0.09	89 lbs	-65 lbs	10-44	0.04	376 lbs	-165 lbs
35-37	0.21	-733 lbs	-733 lbs	3-27	0.13	-502 lbs	-502 lbs	6-31	0.42	-903 lbs	-903 lbs	8-43	0.05	366 lbs	-128 lbs
16-37	0.18	-702 lbs	-702 lbs	4-27	0.13	276 lbs	-246 lbs	32-33	0.26	-670 lbs	-670 lbs	10-17	0.20	-909 lbs	-909 lbs
17-45	0.45	-294 lbs	-294 lbs	6-32	0.34	388 lbs	-156 lbs	34-35	0.16	-350 lbs	-350 lbs	6-22	0.02	199 lbs	-164 lbs
45-47	0.18	181 lbs	-72 lbs	32-34	0.34	478 lbs	-199 lbs	36-37	0.06	-115 lbs	-115 lbs	3-24	0.06	-465 lbs	-465 lbs
47-51	0.10	125 lbs	-68 lbs	34-36	0.16	505 lbs	-199 lbs	39-40	0.15	-273 lbs	-273 lbs	3-25	0.02	224 lbs	-124 lbs
18-51	0.08	125 lbs	-70 lbs	36-38	0.13	505 lbs	-195 lbs	8-9	0.23	220 lbs	-105 lbs	4-22	0.02	175 lbs	-133 lbs
18-49	0.09	127 lbs	-72 lbs	38-39	0.27	576 lbs	-214 lbs	8-41	0.23	220 lbs	-108 lbs	4-30	0.12	489 lbs	-475 lbs
49-50	0.25	127 lbs	-80 lbs	8-39	0.23	604 lbs	-263 lbs	42-43	0.28	-709 lbs	-709 lbs	6-30	0.14	890 lbs	-566 lbs
19-50	0.17	55 lbs	-13 lbs	5-22	0.24	166 lbs	-136 lbs	17-44	0.06	-214 lbs	-214 lbs	38-53	0.04	-206 lbs	-206 lbs
16-40	0.32	-817 lbs	-817 lbs	7-22	0.24	166 lbs	-136 lbs	10-11	0.42	-1546 lbs	-1546 lbs	16-53	0.07	-206 lbs	-206 lbs
40-41	0.31	-817 lbs	-817 lbs	9-42	0.28	470 lbs	-226 lbs	10-45	0.42	-1546 lbs	-1546 lbs	38-54	0.00	4 lbs	-3 lbs
41-43	0.23	-790 lbs	-790 lbs	42-44	0.28	470 lbs	-226 lbs	46-47	0.02	186 lbs	-133 lbs	53-54	0.00	-1 lbs	-1 lbs
17-43	0.36	-790 lbs	-790 lbs	11-44	0.10	265 lbs	-111 lbs	18-48	0.02	-93 lbs	-93 lbs	23-24	0.03	294 lbs	-51 lbs
								12-13	0.06	105 lbs	-89 lbs	26-27	0.04	362 lbs	-261 lbs

TRUSS TM15 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.54 (42 - 44)	TL(V): 0.05 in.	L / 999	(12-34)	L / 90
BC :	0.49 (38 - 40)	LL(V): 0.03 in.	L / 999	(12-34)	L / 90
Web :	0.48 (4 - 23)	DL(V): 0.02 in.	L / 999	(34-35)	L / 0
		Cant / OH TL: 0.03 in.	2L / 999	(12-34)	2L / 90
		Cant / OH LL: 0.03 in.	2L / 999	(12-34)	2L / 90
		Horiz TL: 0.02 in.		44	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(11-17)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 0	(11-17)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	HRoll		0 lbs	330 lbs	0 lbs	-110 lbs	0 lbs
14	Fixed		350 lbs	540 lbs	0 lbs	-360 lbs	350 lbs
15	HRoll		0 lbs	670 lbs	0 lbs	-140 lbs	0 lbs
16	HRoll		0 lbs	1390 lbs	0 lbs	-800 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-4	41-1-8

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

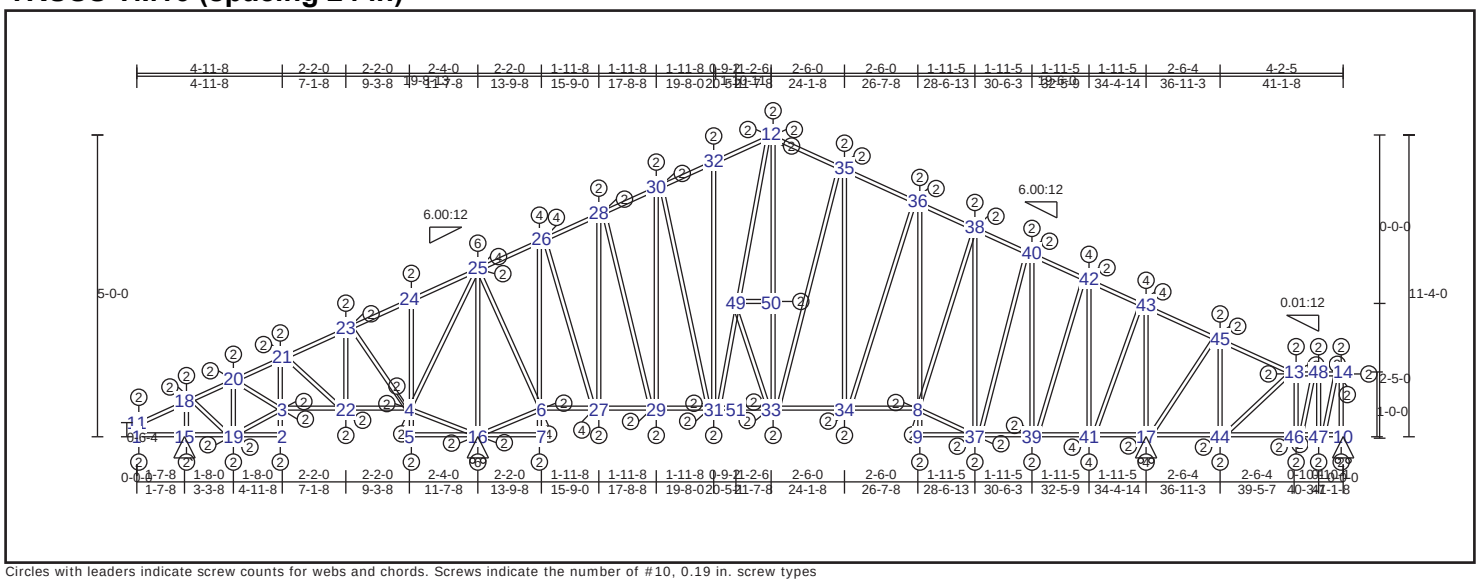
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
11-17	0.19	59 lbs	-11 lbs	1-14	0.34	0 lbs	0 lbs	1-11	0.01	76 lbs	-25 lbs	10-13	0.04	-326 lbs	-326 lbs
17-19	0.30	-447 lbs	-447 lbs	14-18	0.42	-353 lbs	-353 lbs	18-19	0.04	-311 lbs	-311 lbs	14-17	0.06	-492 lbs	-492 lbs
19-20	0.14	-447 lbs	-447 lbs	2-18	0.10	-331 lbs	-331 lbs	2-3	0.15	-198 lbs	-198 lbs	3-18	0.05	-393 lbs	-393 lbs
20-22	0.18	-373 lbs	-373 lbs	3-21	0.13	-410 lbs	-410 lbs	3-20	0.15	-198 lbs	-198 lbs	3-19	0.02	181 lbs	-88 lbs
22-23	0.23	200 lbs	-137 lbs	4-21	0.13	264 lbs	-165 lbs	21-22	0.04	-257 lbs	-257 lbs	4-24	0.11	453 lbs	-439 lbs
23-24	0.14	362 lbs	-294 lbs	6-26	0.38	390 lbs	-96 lbs	4-5	0.13	128 lbs	-83 lbs	4-15	0.03	320 lbs	-225 lbs
24-25	0.44	-661 lbs	-661 lbs	26-28	0.38	459 lbs	-143 lbs	4-23	0.48	516 lbs	-491 lbs	6-15	0.04	339 lbs	-256 lbs
25-27	0.38	-775 lbs	-775 lbs	28-30	0.18	490 lbs	-143 lbs	15-24	0.45	-1518 lbs	-1518 lbs	6-24	0.14	920 lbs	-554 lbs
27-29	0.29	-775 lbs	-775 lbs	30-32	0.18	497 lbs	-141 lbs	6-7	0.14	145 lbs	-103 lbs	8-36	0.06	629 lbs	-206 lbs
29-31	0.22	-775 lbs	-775 lbs	32-33	0.25	585 lbs	-171 lbs	6-25	0.45	-964 lbs	-964 lbs	8-37	0.03	326 lbs	-95 lbs
12-31	0.20	-757 lbs	-757 lbs	8-33	0.16	639 lbs	-207 lbs	26-27	0.28	-734 lbs	-734 lbs	32-49	0.10	-484 lbs	-484 lbs
12-34	0.36	-767 lbs	-767 lbs	5-15	0.24	294 lbs	-218 lbs	28-29	0.19	-396 lbs	-396 lbs	12-49	0.17	-484 lbs	-484 lbs
34-35	0.24	-845 lbs	-845 lbs	7-15	0.25	294 lbs	-218 lbs	30-31	0.11	207 lbs	-206 lbs	32-50	0.00	4 lbs	-3 lbs
35-37	0.21	-871 lbs	-871 lbs	9-36	0.14	549 lbs	-181 lbs	33-34	0.16	-294 lbs	-294 lbs	49-50	0.00	0 lbs	0 lbs
37-39	0.27	-871 lbs	-871 lbs	36-38	0.26	549 lbs	-181 lbs	8-9	0.24	300 lbs	-97 lbs	17-18	0.03	275 lbs	-96 lbs
39-41	0.36	-822 lbs	-822 lbs	38-40	0.49	476 lbs	-148 lbs	8-35	0.26	300 lbs	-97 lbs	20-21	0.04	346 lbs	-251 lbs
41-42	0.47	-761 lbs	-761 lbs	16-40	0.49	302 lbs	-75 lbs	36-37	0.23	-541 lbs	-541 lbs	4-23	0.06	399 lbs	-367 lbs
42-44	0.54	-540 lbs	-540 lbs	16-43	0.14	189 lbs	-75 lbs	38-39	0.19	-562 lbs	-562 lbs	25-26	0.14	747 lbs	-440 lbs
44-46	0.14	-180 lbs	-180 lbs	43-45	0.12	174 lbs	-34 lbs	40-41	0.25	-938 lbs	-938 lbs	27-28	0.09	478 lbs	-220 lbs
46-48	0.13	-251 lbs	-251 lbs	45-47	0.11	179 lbs	-69 lbs	16-42	0.25	-1164 lbs	-1164 lbs	29-30	0.02	188 lbs	-35 lbs
13-48	0.23	-251 lbs	-251 lbs	10-47	0.11	179 lbs	-69 lbs	43-44	0.04	-241 lbs	-241 lbs	30-50	0.04	-211 lbs	-211 lbs
								45-46	0.02	-114 lbs	-114 lbs	12-50	0.16	-209 lbs	-209 lbs
								47-48	0.03	-209 lbs	-209 lbs	32-34	0.27	513 lbs	-473 lbs
												33-35	0.09	279 lbs	-196 lbs

TRUSS TM16 (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 (43 - 45)	TL(V): 0.05 in.	L / 999	(35-36)	L / 90
BC :	0.52 (39 - 41)	LL(V): 0.04 in.	L / 999	(35-36)	L / 90
Web :	0.48 (4 - 24)	DL(V): 0.02 in.	L / 999	(35-36)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(35-36)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(35-36)	2L / 90
		Horiz TL: 0.02 in.		45	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(11-18)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 0	(11-18)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	HRoll		0 lbs	270 lbs	0 lbs	-80 lbs	0 lbs
15	Fixed		320 lbs	540 lbs	0 lbs	-380 lbs	320 lbs
16	HRoll		0 lbs	680 lbs	0 lbs	-140 lbs	0 lbs
17	HRoll		0 lbs	1450 lbs	0 lbs	-830 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-4	41-1-8

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

Material Design Pass

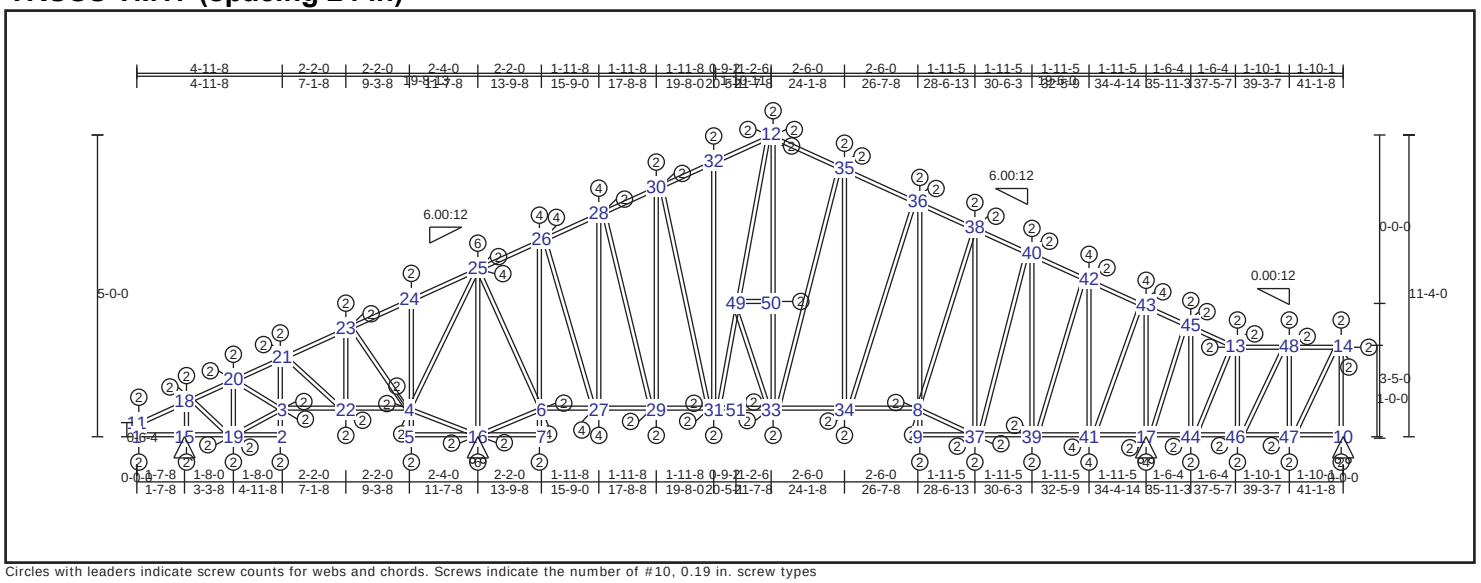
Member Forces Summary

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

Top Chord				Bot Chord				Web			
11-18	0.19	59 lbs	-11 lbs	1-15	0.34	0 lbs	0 lbs	1-11	0.01	76 lbs	-25 lbs
18-20	0.29	-428 lbs	-428 lbs	15-19	0.42	-316 lbs	-316 lbs	19-20	0.04	-296 lbs	-296 lbs
20-21	0.14	-428 lbs	-428 lbs	2-19	0.09	-300 lbs	-300 lbs	2-3	0.13	-179 lbs	-179 lbs
21-23	0.18	-356 lbs	-356 lbs	3-22	0.12	381 lbs	-367 lbs	3-21	0.14	-179 lbs	-179 lbs
23-24	0.22	210 lbs	-116 lbs	4-22	0.12	286 lbs	-130 lbs	22-23	0.04	-249 lbs	-249 lbs
24-25	0.14	372 lbs	-277 lbs	6-27	0.38	399 lbs	-85 lbs	4-5	0.14	144 lbs	-94 lbs
25-26	0.44	-641 lbs	-641 lbs	27-29	0.38	469 lbs	-107 lbs	4-24	0.48	510 lbs	-490 lbs
26-28	0.38	-755 lbs	-755 lbs	29-31	0.18	501 lbs	-107 lbs	16-25	0.44	-1491 lbs	-1491 lbs
28-30	0.29	-755 lbs	-755 lbs	31-33	0.18	508 lbs	-103 lbs	6-7	0.15	162 lbs	-115 lbs
30-32	0.21	-754 lbs	-754 lbs	33-34	0.25	547 lbs	-130 lbs	6-26	0.45	-958 lbs	-958 lbs
12-32	0.20	-737 lbs	-737 lbs	8-34	0.15	593 lbs	-164 lbs	27-28	0.28	-730 lbs	-730 lbs
12-35	0.35	-745 lbs	-745 lbs	5-16	0.24	332 lbs	-243 lbs	29-30	0.18	-391 lbs	-391 lbs
35-36	0.23	-816 lbs	-816 lbs	7-16	0.25	332 lbs	-243 lbs	31-32	0.11	207 lbs	-206 lbs
36-38	0.21	-834 lbs	-834 lbs	9-37	0.15	501 lbs	-141 lbs	34-35	0.15	-282 lbs	-282 lbs
38-40	0.27	-834 lbs	-834 lbs	37-39	0.28	501 lbs	-141 lbs	8-9	0.22	276 lbs	-77 lbs
40-42	0.38	-792 lbs	-792 lbs	39-41	0.52	420 lbs	-107 lbs	8-36	0.23	276 lbs	-86 lbs
42-43	0.51	-721 lbs	-721 lbs	17-41	0.52	264 lbs	-120 lbs	37-38	0.23	-548 lbs	-548 lbs
43-45	0.55	-483 lbs	-483 lbs	17-44	0.15	238 lbs	-120 lbs	39-40	0.21	-602 lbs	-602 lbs
13-45	0.22	-189 lbs	-189 lbs	44-46	0.06	133 lbs	-52 lbs	41-42	0.26	-993 lbs	-993 lbs
13-48	0.17	168 lbs	-161 lbs	46-47	0.21	133 lbs	-52 lbs	17-43	0.26	-1207 lbs	-1207 lbs
14-48	0.22	100 lbs	-90 lbs	10-47	0.21	73 lbs	-32 lbs	44-45	0.02	-133 lbs	-133 lbs
								13-46	0.03	-187 lbs	-187 lbs
								47-48	0.07	-469 lbs	-469 lbs

Web			
10-14	0.04	-302 lbs	-302 lbs
15-18	0.06	-486 lbs	-486 lbs
6-25	0.14	904 lbs	-533 lbs
4-25	0.11	441 lbs	-422 lbs
4-16	0.04	363 lbs	-253 lbs
6-16	0.04	381 lbs	-283 lbs
3-19	0.05	-357 lbs	-357 lbs
3-20	0.02	176 lbs	-74 lbs
8-37	0.05	573 lbs	-161 lbs
8-38	0.03	335 lbs	-83 lbs
33-50	0.10	-473 lbs	-473 lbs
12-50	0.17	-473 lbs	-473 lbs
33-49	0.00	4 lbs	-3 lbs
49-50	0.00	0 lbs	0 lbs
18-19	0.03	269 lbs	-111 lbs
21-22	0.04	336 lbs	-249 lbs
4-24	0.06	392 lbs	-364 lbs
26-27	0.14	742 lbs	-431 lbs
28-29	0.09	474 lbs	-212 lbs
30-31	0.02	190 lbs	-24 lbs
33-35	0.25	502 lbs	-447 lbs
34-36	0.08	268 lbs	-169 lbs
39-42	0.11	707 lbs	-391 lbs
41-43	0.14	988 lbs	-614 lbs
17-45	0.05	325 lbs	-285 lbs

TRUSS TM17 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.56 (43 - 45)	TL(V): 0.05 in.	L / 999	(35-36)	L / 90
BC :	0.50 (39 - 41)	LL(V): 0.04 in.	L / 999	(35-36)	L / 90
Web :	0.50 (4 - 24)	DL(V): 0.02 in.	L / 999	(35-36)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(35-36)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(35-36)	2L / 90
		Horiz TL: 0.02 in.		45	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(11-18)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 0	(11-18)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	HRoll		0 lbs	300 lbs	0 lbs	-110 lbs	0 lbs
15	Fixed		430 lbs	530 lbs	0 lbs	-320 lbs	430 lbs
16	HRoll		0 lbs	670 lbs	0 lbs	-130 lbs	0 lbs
17	HRoll		0 lbs	1410 lbs	0 lbs	-800 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-4	41-1-8

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

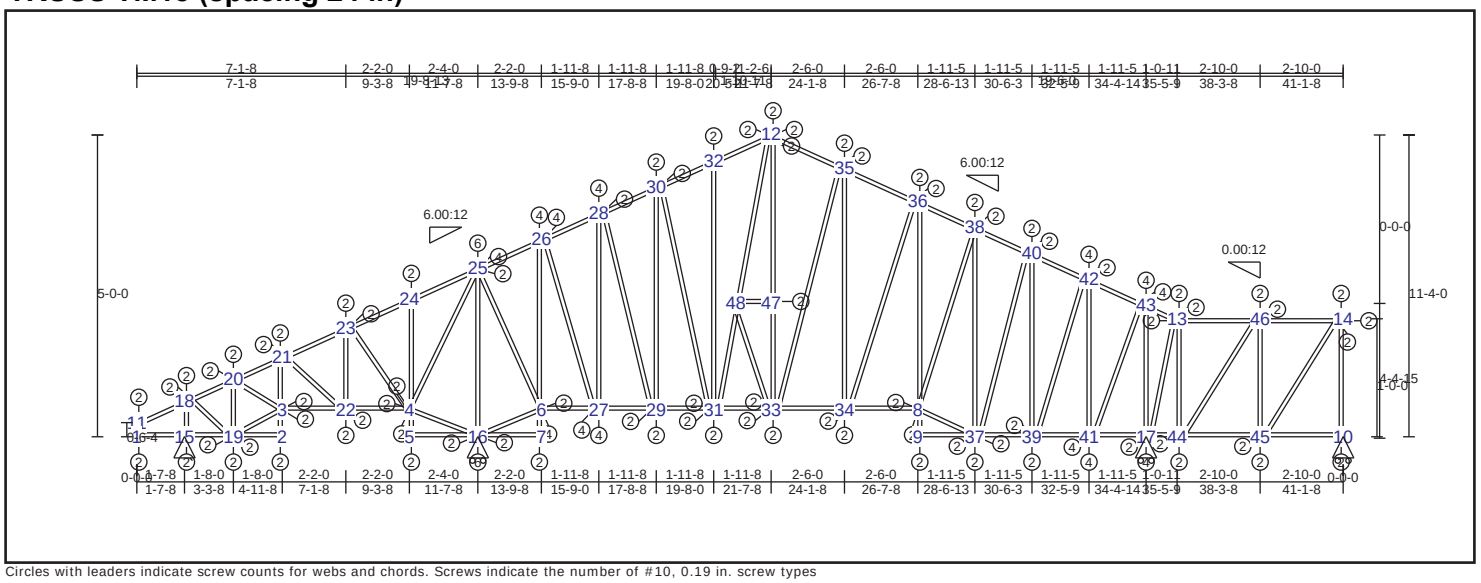
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
11-18	0.18	59 lbs	-11 lbs	1-15	0.34	0 lbs	0 lbs	1-11	0.01	78 lbs	-26 lbs	10-14	0.05	-305 lbs	-305 lbs
18-20	0.29	-439 lbs	-439 lbs	15-19	0.43	-436 lbs	-436 lbs	19-20	0.04	-314 lbs	-314 lbs	15-18	0.06	-476 lbs	-476 lbs
20-21	0.14	-439 lbs	-439 lbs	2-19	0.09	-393 lbs	-393 lbs	2-3	0.17	-234 lbs	-234 lbs	8-38	0.05	346 lbs	-132 lbs
21-23	0.21	-361 lbs	-361 lbs	3-22	0.14	-489 lbs	-489 lbs	3-21	0.18	-234 lbs	-234 lbs	3-20	0.02	185 lbs	-107 lbs
23-24	0.23	151 lbs	-151 lbs	4-22	0.14	-227 lbs	-227 lbs	22-23	0.04	-278 lbs	-278 lbs	3-19	0.06	-467 lbs	-467 lbs
24-25	0.14	312 lbs	-274 lbs	6-27	0.38	364 lbs	-155 lbs	4-5	0.10	100 lbs	-70 lbs	4-16	0.03	248 lbs	-192 lbs
25-26	0.44	-643 lbs	-643 lbs	27-29	0.38	467 lbs	-205 lbs	4-24	0.50	529 lbs	-497 lbs	4-25	0.12	-470 lbs	-470 lbs
26-28	0.38	-759 lbs	-759 lbs	29-31	0.19	504 lbs	-206 lbs	16-25	0.45	-1538 lbs	-1538 lbs	6-16	0.03	268 lbs	-223 lbs
28-30	0.29	-760 lbs	-760 lbs	31-33	0.18	504 lbs	-206 lbs	6-7	0.11	116 lbs	-90 lbs	6-25	0.15	931 lbs	-592 lbs
30-32	0.22	-760 lbs	-760 lbs	33-34	0.25	602 lbs	-236 lbs	6-26	0.46	-970 lbs	-970 lbs	8-37	0.06	637 lbs	-265 lbs
12-32	0.19	-741 lbs	-741 lbs	8-34	0.16	652 lbs	-269 lbs	27-28	0.28	-740 lbs	-740 lbs	33-50	0.10	-476 lbs	-476 lbs
12-35	0.36	-751 lbs	-751 lbs	5-16	0.25	231 lbs	-189 lbs	29-30	0.19	-401 lbs	-401 lbs	12-50	0.17	-476 lbs	-476 lbs
35-36	0.23	-826 lbs	-826 lbs	7-16	0.26	231 lbs	-189 lbs	31-32	0.11	207 lbs	-206 lbs	33-49	0.00	4 lbs	-4 lbs
36-38	0.21	-848 lbs	-848 lbs	9-37	0.14	556 lbs	-233 lbs	34-35	0.15	-283 lbs	-283 lbs	49-50	0.00	0 lbs	0 lbs
38-40	0.27	-848 lbs	-848 lbs	37-39	0.27	556 lbs	-233 lbs	8-9	0.25	304 lbs	-124 lbs	18-19	0.03	280 lbs	-50 lbs
40-42	0.37	-798 lbs	-798 lbs	39-41	0.50	479 lbs	-197 lbs	8-36	0.26	304 lbs	-124 lbs	21-22	0.04	371 lbs	-262 lbs
42-43	0.49	-730 lbs	-730 lbs	17-41	0.50	298 lbs	-106 lbs	37-38	0.24	-562 lbs	-562 lbs	4-24	0.06	416 lbs	-374 lbs
43-45	0.56	-502 lbs	-502 lbs	17-44	0.13	115 lbs	-46 lbs	39-40	0.20	-586 lbs	-586 lbs	26-27	0.15	753 lbs	-457 lbs
13-45	0.13	-114 lbs	-114 lbs	44-46	0.11	143 lbs	-36 lbs	41-42	0.26	-964 lbs	-964 lbs	28-29	0.10	483 lbs	-235 lbs
13-48	0.16	-141 lbs	-141 lbs	46-47	0.14	143 lbs	-57 lbs	17-43	0.25	-1192 lbs	-1192 lbs	30-31	0.03	192 lbs	-57 lbs
14-48	0.22	-122 lbs	-122 lbs	10-47	0.14	122 lbs	-57 lbs	44-45	0.04	226 lbs	-199 lbs	33-35	0.26	503 lbs	-461 lbs
								13-46	0.01	-77 lbs	-77 lbs	34-36	0.08	267 lbs	-182 lbs
								47-48	0.04	-273 lbs	-273 lbs	37-40	0.06	338 lbs	-157 lbs
												39-42	0.12	687 lbs	-405 lbs
												41-43	0.15	966 lbs	-633 lbs
												17-45	0.05	249 lbs	-248 lbs
												13-44	0.04	-219 lbs	-219 lbs
												46-48	0.01	88 lbs	-22 lbs

TRUSS TM18 (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 :	0.58 (43 - 13)	TL(V): 0.05 in.	L / 999	(35-36)	L / 90
BC :	0.50 (39 - 41)	LL(V): 0.04 in.	L / 999	(35-36)	L / 90
Web :	0.51 (4 - 24)	DL(V): 0.02 in.	L / 999	(35-36)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(35-36)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(35-36)	2L / 90
		Horiz TL: 0.02 in.		13	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(11-18)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 0	(11-18)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	HRoll		0 lbs	310 lbs	0 lbs	-120 lbs	0 lbs
15	Fixed		490 lbs	530 lbs	0 lbs	-300 lbs	490 lbs
16	HRoll		0 lbs	670 lbs	0 lbs	-130 lbs	0 lbs
17	HRoll		0 lbs	1400 lbs	0 lbs	-780 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-4-4	41-1-8

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

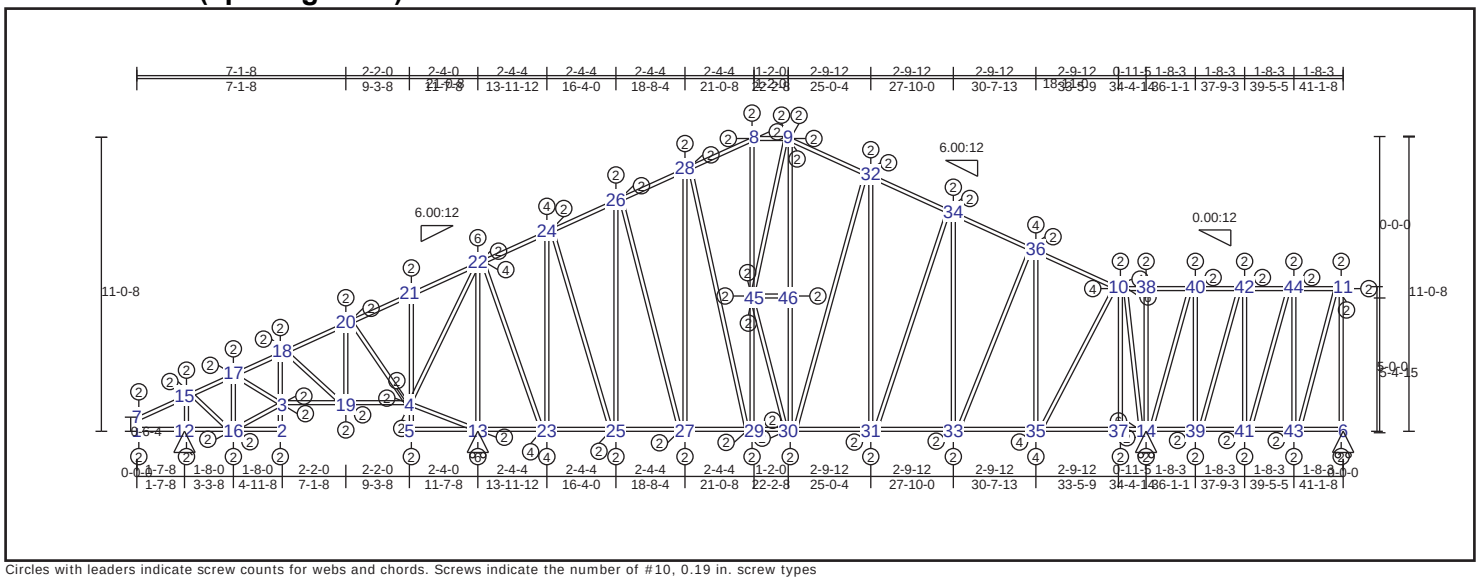
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
11-18	0.18	59 lbs	-11 lbs	1-15	0.35	0 lbs	0 lbs	1-11	0.01	78 lbs	-26 lbs	15-18	0.06	-474 lbs	-474 lbs
18-20	0.29	-441 lbs	-441 lbs	15-19	0.43	-486 lbs	-486 lbs	19-20	0.04	-317 lbs	-317 lbs	6-25	0.16	936 lbs	-613 lbs
20-21	0.15	-441 lbs	-441 lbs	2-19	0.10	-427 lbs	-427 lbs	2-3	0.19	-254 lbs	-254 lbs	4-25	0.13	-487 lbs	-487 lbs
21-23	0.21	-362 lbs	-362 lbs	3-22	0.14	-533 lbs	-533 lbs	3-21	0.20	-254 lbs	-254 lbs	4-16	0.03	208 lbs	-175 lbs
23-24	0.24	-173 lbs	-173 lbs	4-22	0.14	-261 lbs	-261 lbs	22-23	0.04	-289 lbs	-289 lbs	6-16	0.03	229 lbs	-212 lbs
24-25	0.14	285 lbs	-272 lbs	6-27	0.38	373 lbs	-187 lbs	4-5	0.08	84 lbs	-65 lbs	3-20	0.02	189 lbs	-118 lbs
25-26	0.44	-642 lbs	-642 lbs	27-29	0.38	477 lbs	-240 lbs	4-24	0.51	537 lbs	-498 lbs	3-19	0.07	-507 lbs	-507 lbs
26-28	0.38	-758 lbs	-758 lbs	29-31	0.19	513 lbs	-241 lbs	16-25	0.46	-1546 lbs	-1546 lbs	8-38	0.05	350 lbs	-152 lbs
28-30	0.29	-760 lbs	-760 lbs	31-33	0.18	513 lbs	-241 lbs	6-7	0.09	100 lbs	-87 lbs	8-37	0.06	647 lbs	-318 lbs
30-32	0.22	-760 lbs	-760 lbs	33-34	0.24	612 lbs	-271 lbs	6-26	0.46	-971 lbs	-971 lbs	33-47	0.10	472 lbs	-471 lbs
12-32	0.19	-740 lbs	-740 lbs	8-34	0.16	662 lbs	-304 lbs	27-28	0.28	-742 lbs	-742 lbs	12-47	0.17	472 lbs	-471 lbs
13-46	0.28	-131 lbs	-131 lbs	5-16	0.25	195 lbs	-175 lbs	29-30	0.19	-402 lbs	-402 lbs	33-48	0.00	4 lbs	-4 lbs
14-46	0.28	-131 lbs	-131 lbs	7-16	0.26	195 lbs	-175 lbs	31-32	0.11	207 lbs	-206 lbs	47-48	0.00	0 lbs	0 lbs
12-35	0.36	-751 lbs	-751 lbs	9-37	0.14	565 lbs	-275 lbs	34-35	0.15	-276 lbs	-276 lbs	18-19	0.03	290 lbs	-25 lbs
35-36	0.23	-826 lbs	-826 lbs	37-39	0.27	565 lbs	-275 lbs	8-9	0.25	308 lbs	-147 lbs	21-22	0.04	385 lbs	-265 lbs
36-38	0.21	-848 lbs	-848 lbs	39-41	0.50	488 lbs	-241 lbs	8-36	0.26	308 lbs	-147 lbs	4-24	0.06	425 lbs	-376 lbs
38-40	0.27	-848 lbs	-848 lbs	17-41	0.50	307 lbs	-130 lbs	37-38	0.24	-567 lbs	-567 lbs	26-27	0.15	754 lbs	-467 lbs
40-42	0.37	-796 lbs	-796 lbs	17-44	0.12	83 lbs	-30 lbs	39-40	0.20	-587 lbs	-587 lbs	28-29	0.10	484 lbs	-243 lbs
42-43	0.48	-728 lbs	-728 lbs	44-45	0.10	128 lbs	-60 lbs	41-42	0.26	-959 lbs	-959 lbs	30-31	0.03	193 lbs	-68 lbs
13-43	0.58	-501 lbs	-501 lbs	10-45	0.12	128 lbs	-60 lbs	17-43	0.26	-1205 lbs	-1205 lbs	31-48	0.04	-191 lbs	-191 lbs
								13-44	0.04	196 lbs	-196 lbs	12-48	0.14	-190 lbs	-190 lbs
								45-46	0.04	-186 lbs	-186 lbs	33-35	0.26	497 lbs	-461 lbs
								10-14	0.06	-299 lbs	-299 lbs	34-36	0.08	260 lbs	-182 lbs
												37-40	0.06	338 lbs	-166 lbs

TRUSS TM19 (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 :	0.39 (10 - 38)	TL(V): 0.06 in.	L / 999	(9-32)	L / 90
BC :	0.86 (37 - 14)	LL(V): 0.04 in.	L / 999	(9-32)	L / 90
Web :	0.51 (4 - 21)	DL(V): 0.02 in.	L / 999	(32-34)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(9-32)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(9-32)	2L / 90
		Horiz TL: 0.01 in.		45	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(7-15)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 0	(7-15)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
6	HRoll		0 lbs	220 lbs	0 lbs	-100 lbs	0 lbs
12	Fixed		550 lbs	620 lbs	0 lbs	-310 lbs	550 lbs
13	HRoll		0 lbs	1260 lbs	0 lbs	-90 lbs	0 lbs
14	HRoll		0 lbs	1550 lbs	0 lbs	-820 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-1-3	41-1-8

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

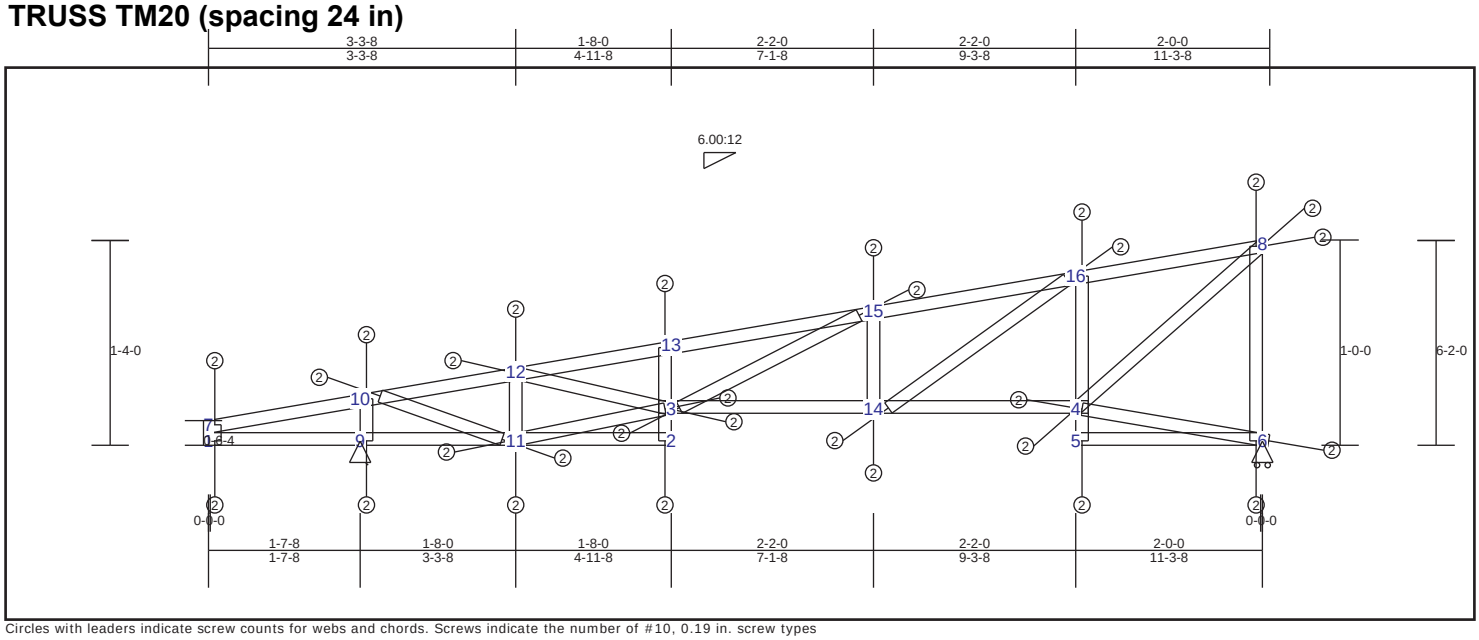
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
10-38	0.39	-101 lbs	-101 lbs	1-12	0.35	0 lbs	0 lbs	1-7	0.01	78 lbs	-22 lbs	4-13	0.01	97 lbs	-42 lbs
38-40	0.16	-101 lbs	-101 lbs	12-16	0.42	-552 lbs	-552 lbs	16-17	0.06	-444 lbs	-444 lbs	4-22	0.13	-518 lbs	-518 lbs
40-42	0.11	-45 lbs	-45 lbs	2-16	0.12	-519 lbs	-519 lbs	2-3	0.23	-311 lbs	-311 lbs	29-45	0.05	-224 lbs	-224 lbs
42-44	0.11	-45 lbs	-45 lbs	3-19	0.15	-718 lbs	-718 lbs	3-18	0.24	-311 lbs	-311 lbs	8-45	0.09	-224 lbs	-224 lbs
11-44	0.16	-45 lbs	-45 lbs	4-19	0.16	-451 lbs	-451 lbs	19-20	0.04	-289 lbs	-289 lbs	30-46	0.09	-285 lbs	-285 lbs
8-9	0.11	-614 lbs	-614 lbs	5-13	0.16	81 lbs	-38 lbs	4-5	0.06	43 lbs	-12 lbs	9-46	0.11	-285 lbs	-285 lbs
7-15	0.20	61 lbs	-10 lbs	13-23	0.48	309 lbs	-199 lbs	4-21	0.51	494 lbs	-434 lbs	9-45	0.02	102 lbs	-71 lbs
15-17	0.32	-626 lbs	-626 lbs	23-25	0.48	468 lbs	-291 lbs	13-22	0.47	-1599 lbs	-1599 lbs	30-45	0.02	-92 lbs	-92 lbs
17-18	0.15	-626 lbs	-626 lbs	25-27	0.24	528 lbs	-308 lbs	23-24	0.36	-923 lbs	-923 lbs	45-46	0.00	0 lbs	0 lbs
18-20	0.20	-551 lbs	-551 lbs	27-29	0.10	528 lbs	-308 lbs	25-26	0.26	-520 lbs	-520 lbs	15-16	0.03	348 lbs	-44 lbs
20-21	0.25	-302 lbs	-302 lbs	29-30	0.16	534 lbs	-274 lbs	27-28	0.13	-210 lbs	-210 lbs	18-19	0.04	378 lbs	-253 lbs
21-22	0.63	-508 lbs	-508 lbs	30-31	0.19	602 lbs	-312 lbs	31-32	0.07	-117 lbs	-117 lbs	4-21	0.07	439 lbs	-394 lbs
22-24	0.51	-700 lbs	-700 lbs	31-33	0.14	602 lbs	-312 lbs	33-34	0.14	-312 lbs	-312 lbs	22-23	0.21	957 lbs	-637 lbs
24-26	0.39	-739 lbs	-739 lbs	33-35	0.38	588 lbs	-306 lbs	35-36	0.26	-771 lbs	-771 lbs	24-25	0.15	611 lbs	-356 lbs
26-28	0.27	-739 lbs	-739 lbs	35-37	0.41	452 lbs	-245 lbs	10-37	0.00	35 lbs	-4 lbs	26-27	0.06	266 lbs	-114 lbs
8-28	0.25	-705 lbs	-705 lbs	14-37	0.86	101 lbs	-85 lbs	14-38	0.04	279 lbs	-165 lbs	28-29	0.04	177 lbs	-69 lbs
9-32	0.35	-731 lbs	-731 lbs	14-39	0.86	101 lbs	-85 lbs	39-40	0.03	140 lbs	-136 lbs	30-32	0.17	375 lbs	-280 lbs
32-34	0.29	-774 lbs	-774 lbs	39-41	0.17	43 lbs	-26 lbs	41-42	0.02	89 lbs	-84 lbs	31-34	0.01	124 lbs	-25 lbs
34-36	0.44	-774 lbs	-774 lbs	41-43	0.10	47 lbs	-26 lbs	43-44	0.04	-185 lbs	-185 lbs	33-36	0.08	399 lbs	-216 lbs
10-36	0.54	-766 lbs	-766 lbs	6-43	0.10	47 lbs	-26 lbs	6-11	0.05	-223 lbs	-223 lbs	10-35	0.16	897 lbs	-578 lbs
								12-15	0.07	-567 lbs	-567 lbs	14-40	0.07	-281 lbs	-281 lbs
								3-17	0.03	310 lbs	-227 lbs	39-42	0.06	-243 lbs	-243 lbs
								3-16	0.08	-615 lbs	-615 lbs	41-44	0.01	46 lbs	-32 lbs
												11-43	0.03	200 lbs	-114 lbs
												10-14	0.36	-1515 lbs	-1515 lbs

TRUSS TM20 (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 :	0.32 (10 - 12)	TL(V): 0.01 in.	L / 999	(13-15)	L / 90
BC :	0.44 (9 - 11)	LL(V): 0.01 in.	L / 999	(13-15)	L / 90
Web :	0.42 (6 - 8)	DL(V): 0 in.	L / 999	(7-10)	L / 0
		Cant / OH TL: 0.01 in.	2L / 999	(13-15)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 999	(13-15)	2L / 90
		Horiz TL: 0.01 in.		7	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(7-10)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 0	(7-10)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
6	HRoll		0 lbs	490 lbs	0 lbs	-390 lbs	0 lbs
9	Fixed		420 lbs	600 lbs	0 lbs	-260 lbs	420 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-43(33)	Sheathing
Bot Chd	362S162-43(33)	Purlin (24 in.)
Web	362S162-43(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-2-6	11-4-11

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

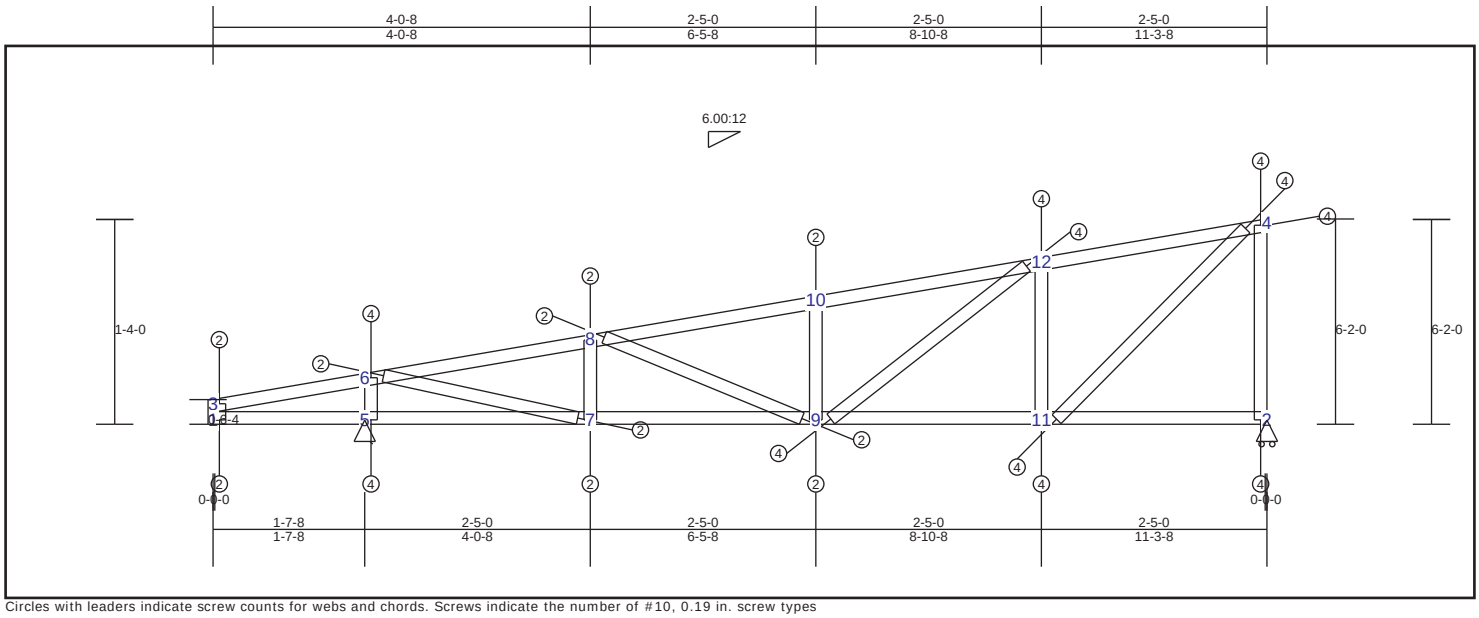
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
7-10	0.20	61 lbs	-10 lbs	1-9	0.35	0 lbs	0 lbs	1-7	0.01	80 lbs	-22 lbs
10-12	0.32	-591 lbs	-591 lbs	9-11	0.44	-454 lbs	-454 lbs	11-12	0.06	-412 lbs	-412 lbs
12-13	0.17	-622 lbs	-622 lbs	2-11	0.12	-454 lbs	-454 lbs	2-3	0.20	-262 lbs	-262 lbs
13-15	0.24	-622 lbs	-622 lbs	3-14	0.23	-409 lbs	-409 lbs	3-13	0.25	-262 lbs	-262 lbs
15-16	0.22	-458 lbs	-458 lbs	4-14	0.23	-409 lbs	-409 lbs	14-15	0.06	458 lbs	-397 lbs
8-16	0.26	-247 lbs	-247 lbs	5-6	0.02	-17 lbs	-17 lbs	4-5	0.05	19 lbs	-5 lbs
								4-16	0.11	540 lbs	-517 lbs
								6-8	0.42	-467 lbs	-467 lbs
								9-10	0.07	-550 lbs	-550 lbs
								3-12	0.03	295 lbs	-231 lbs
								3-11	0.07	-513 lbs	-513 lbs
								4-6	0.00	22 lbs	-19 lbs
								4-8	0.13	546 lbs	-542 lbs
								10-11	0.03	330 lbs	-46 lbs
								3-15	0.07	-425 lbs	-425 lbs
								14-16	0.10	-508 lbs	-508 lbs

TRUSS TM21 (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 (10 - 12)	TL(V): 0.01 in.	L / 999	(12-4)	L / 90
BC :	0.58 (5 - 7)	LL(V): 0.01 in.	L / 999	(12-4)	L / 90
Web :	0.25 (11 - 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: 0.01 in.		10	
		Web :			
		Snow/Wind -0.04 in.	L / 999	(3-6)	L / 90
		Cant (Snow/Wind) -0.04 in.	L / 0	(3-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	HRoll		0 lbs	490 lbs	0 lbs	-390 lbs	0 lbs
5	Fixed		420 lbs	600 lbs	0 lbs	-260 lbs	420 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-1-10	11-3-8

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

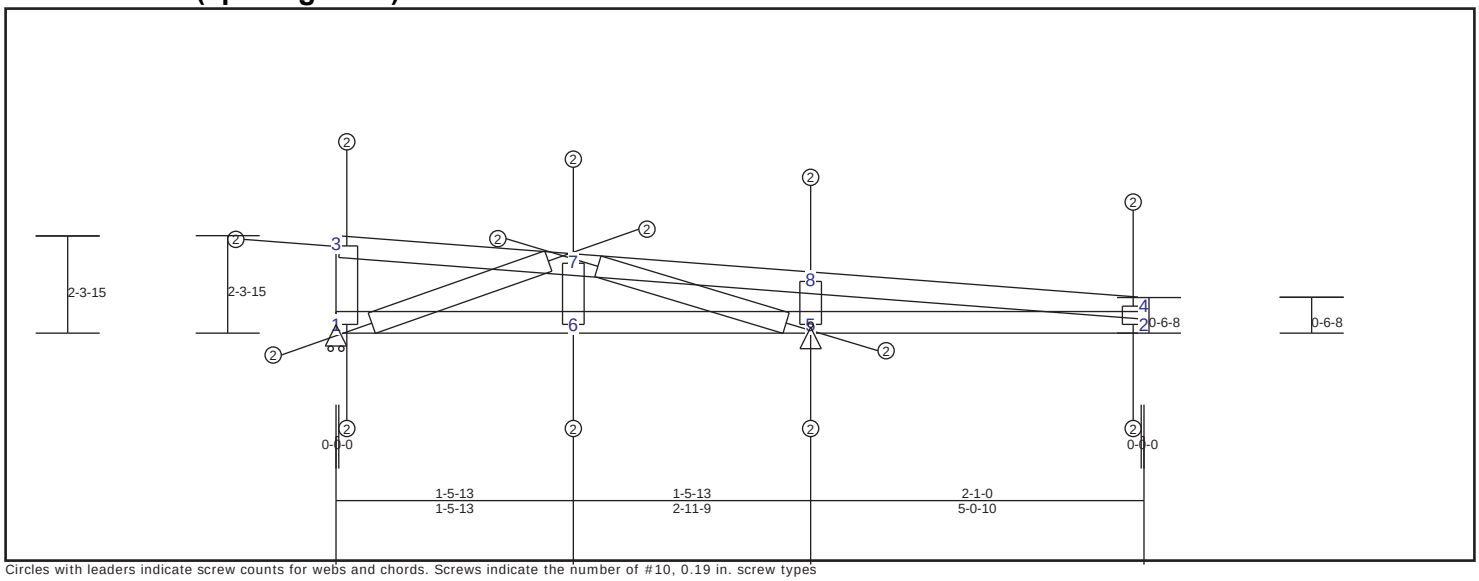
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.27	62 lbs	-9 lbs	1-5	0.48	0 lbs	0 lbs	1-3	0.01	81 lbs	-19 lbs
6-8	0.43	-370 lbs	-370 lbs	5-7	0.58	-458 lbs	-458 lbs	7-8	0.03	-154 lbs	-154 lbs
8-10	0.23	-374 lbs	-374 lbs	7-9	0.21	-458 lbs	-458 lbs	9-10	0.05	213 lbs	-212 lbs
10-12	0.44	-374 lbs	-374 lbs	9-11	0.40	-350 lbs	-350 lbs	11-12	0.17	579 lbs	-544 lbs
4-12	0.43	-262 lbs	-262 lbs	2-11	0.40	185 lbs	-184 lbs	2-4	0.20	-489 lbs	-489 lbs
								5-6	0.10	-549 lbs	-549 lbs
								6-7	0.04	332 lbs	-42 lbs
								8-9	0.02	168 lbs	-92 lbs
								9-12	0.14	-413 lbs	-413 lbs
								4-11	0.25	575 lbs	-573 lbs

TRUSS TR01 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.49 (8 - 4)	TL(V): 0.06 in.	L / 983	(8-4)	L / 90
BC :	0.40 (6 - 5)	LL(V): 0.04 in.	L / 999	(8-4)	L / 90
Web :	0.05 (5 - 8)	DL(V): 0.02 in.	L / 999	(8-4)	L / 0
		Cant / OH TL: 0.04 in.	2L / 0	(8-4)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 0	(8-4)	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(8-4)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 0	(8-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-100 lbs	0 lbs	-100 lbs	0 lbs
5	Pin		-130 lbs	390 lbs	0 lbs	-180 lbs	-130 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-3-12	5-0-10

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

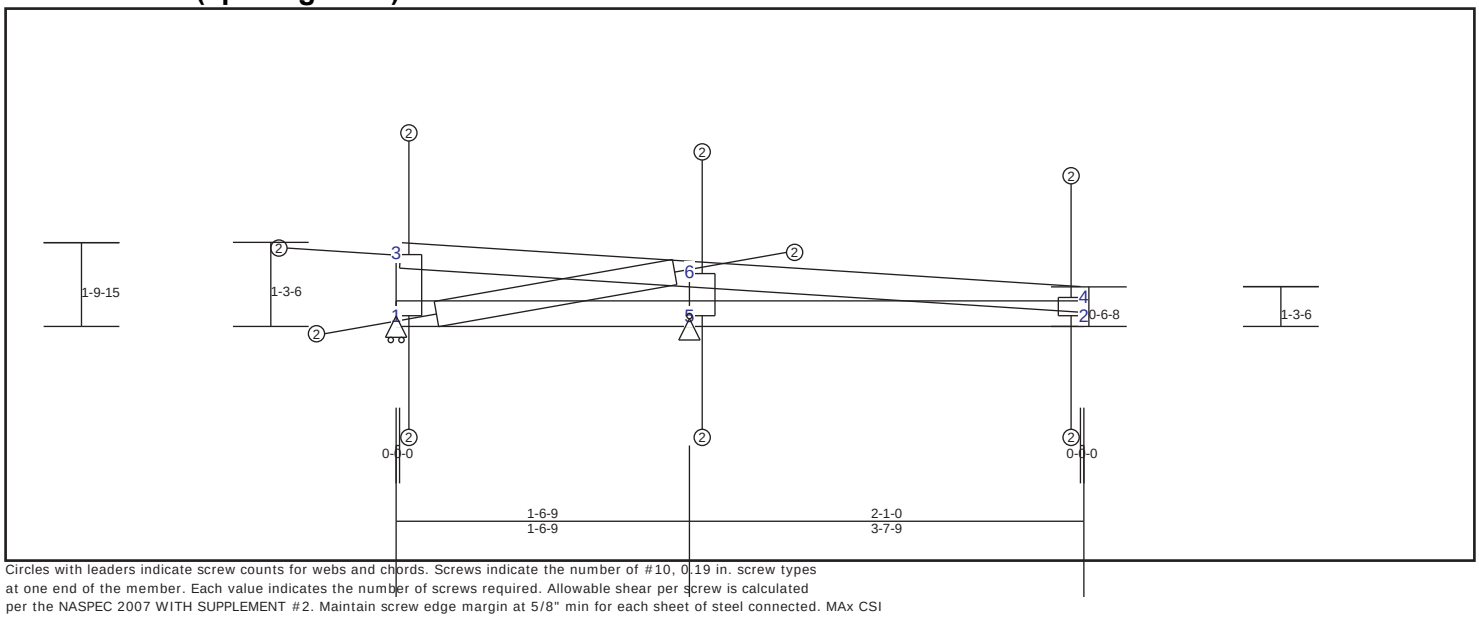
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.09	-20 lbs	-20 lbs	1-6	0.08	-39 lbs	-39 lbs	1-3	0.01	-60 lbs	-60 lbs
7-8	0.39	100 lbs	-64 lbs	5-6	0.40	-125 lbs	-125 lbs	6-7	0.01	71 lbs	-66 lbs
4-8	0.49	100 lbs	-64 lbs	2-5	0.40	-125 lbs	-125 lbs	5-8	0.05	-287 lbs	-287 lbs
								2-4	0.01	32 lbs	-32 lbs
								5-7	0.03	-152 lbs	-152 lbs
								1-7	0.01	74 lbs	-33 lbs

TRUSS TR02 (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 :	0.45 (6 - 4)	TL(V): 0.06 in.	L / 786	(6-4)	L / 90
BC :	0.37 (5 - 2)	LL(V): 0.04 in.	L / 999	(6-4)	L / 90
Web :	0.05 (5 - 6)	DL(V): 0.02 in.	L / 999	(6-4)	L / 0
		Cant / OH TL: 0.04 in.	2L / 0	(6-4)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 0	(6-4)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.05 in.	L / 899	(6-4)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 0	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-120 lbs	-90 lbs	-120 lbs	0 lbs
5	Pin		-120 lbs	370 lbs	0 lbs	-170 lbs	-120 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

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

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

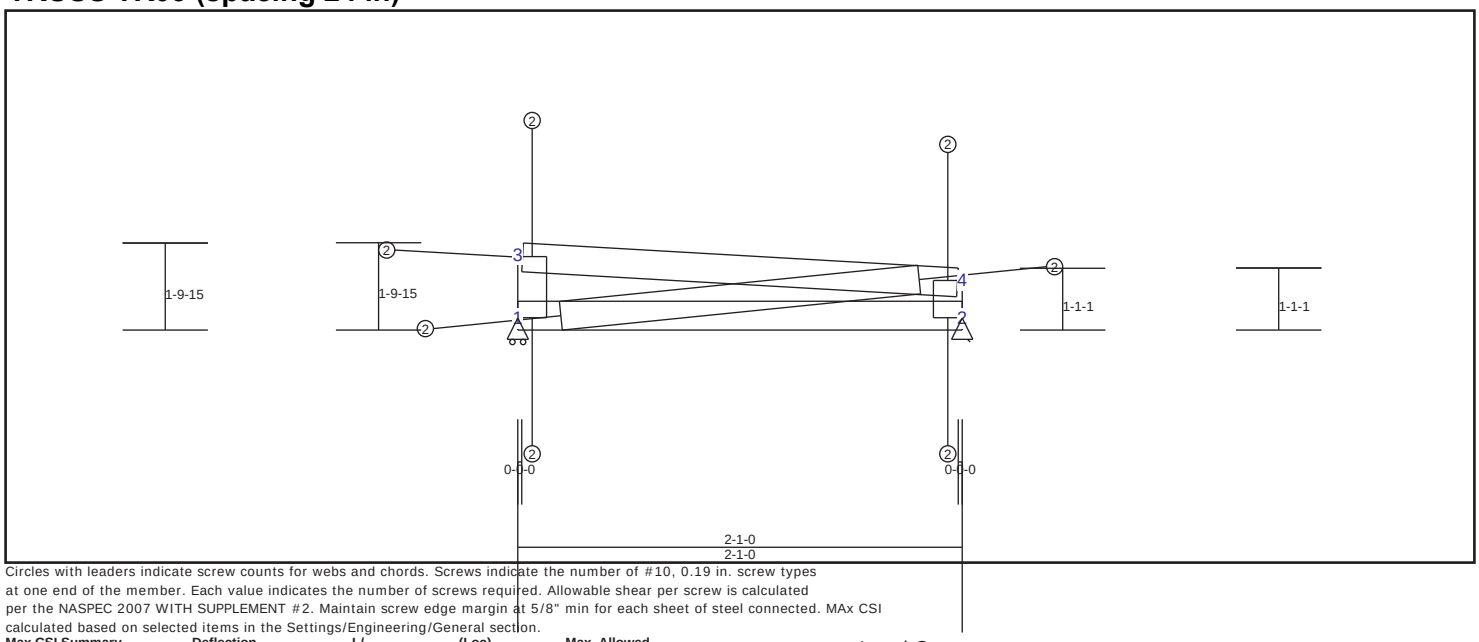
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.41	62 lbs	-49 lbs	1-5	0.32	-122 lbs	-122 lbs	5-6	0.05	-249 lbs	-249 lbs
4-6	0.45	62 lbs	-49 lbs	2-5	0.37	-122 lbs	-122 lbs	1-3	0.01	47 lbs	-2 lbs
								2-4	0.01	34 lbs	-31 lbs
								1-6	0.02	170 lbs	-59 lbs

TRUSS TR03 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.18 (3 - 4)	TL(V): 0 in.	L / 999	(3-4)	L / 90
BC :	0.03 (1 - 2)	LL(V): 0 in.	L / 999	(3-4)	L / 90
Web :	0.02 (1 - 3)	DL(V): 0 in.	L / 999	(3-4)	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 in.	L / 999	(3-4)	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
1	HRoll		0 lbs	100 lbs	0 lbs	-90 lbs	0 lbs
2	Fixed		-50 lbs	90 lbs	0 lbs	-20 lbs	-50 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

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

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

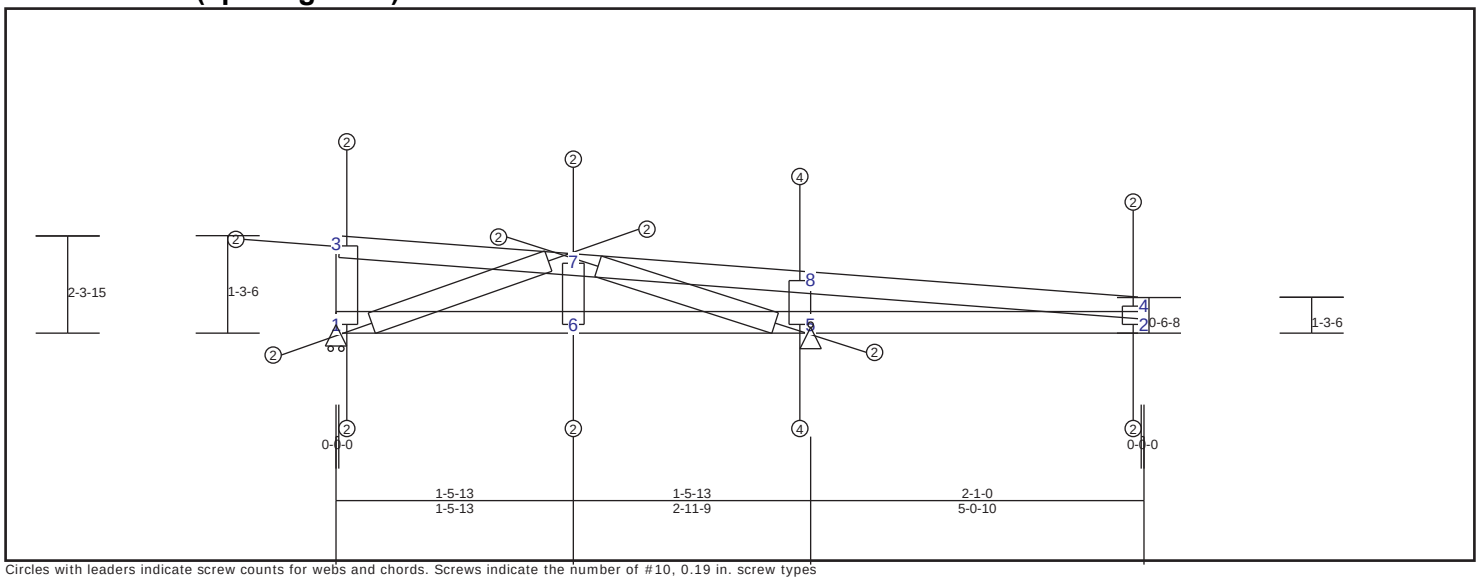
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-4	0.18	-33 lbs	-33 lbs	1-2	0.03	-50 lbs	-50 lbs	1-3	0.02	-84 lbs	-84 lbs
								2-4	0.01	-74 lbs	-74 lbs
								1-4	0.01	58 lbs	-28 lbs

TRUSS TR04 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.52 (7 - 8)	TL(V): 0.07 in.	L / 879	(8-4)	L / 90
BC :	0.72 (6 - 5)	LL(V): 0.05 in.	L / 999	(8-4)	L / 90
Web :	0.07 (7 - 5)	DL(V): 0.02 in.	L / 999	(8-4)	L / 0
		Cant / OH TL: 0.05 in.	2L / 0	(8-4)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 0	(8-4)	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.13 in.	L / 489	(8-4)	L / 90
		Cant (Snow/Wind) -0.13 in.	L / 0	(8-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	80 lbs	0 lbs	-80 lbs	0 lbs
5	Pin		-140 lbs	400 lbs	0 lbs	-320 lbs	-140 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-3-12	5-0-10

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

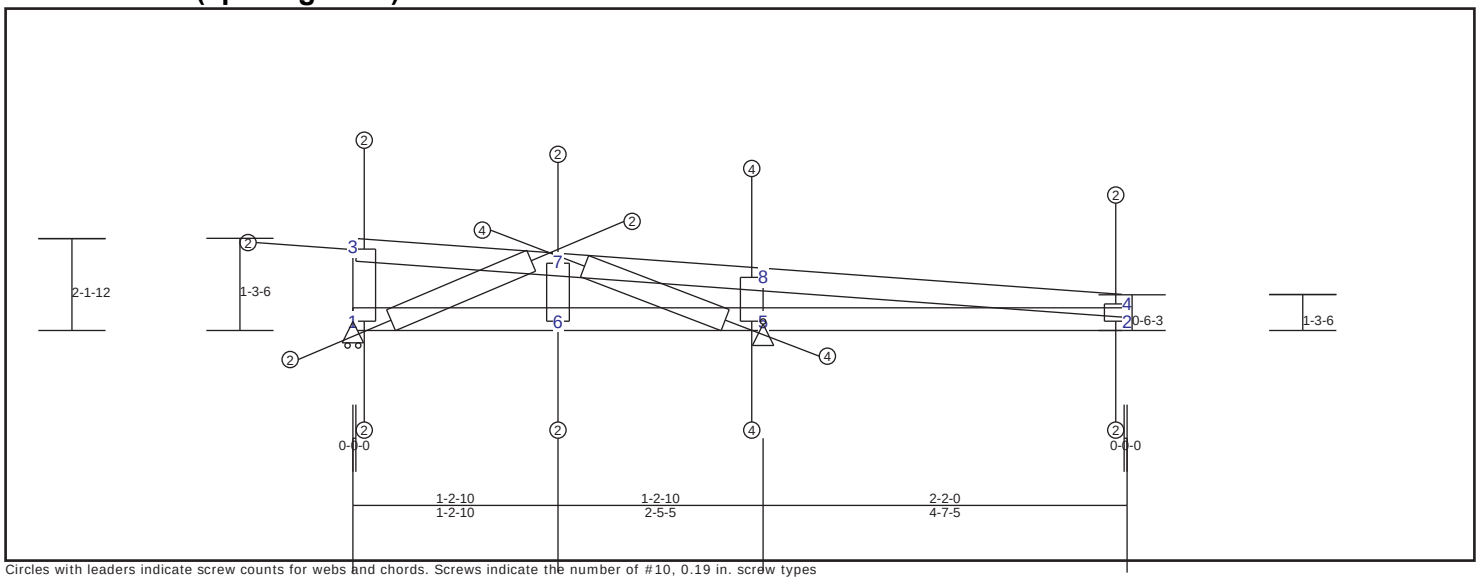
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.10	-37 lbs	-37 lbs	1-6	0.17	41 lbs	-20 lbs	1-3	0.01	-62 lbs	-62 lbs
7-8	0.52	171 lbs	-95 lbs	5-6	0.72	-144 lbs	-144 lbs	6-7	0.02	185 lbs	-80 lbs
4-8	0.37	50 lbs	-11 lbs	2-5	0.53	0 lbs	0 lbs	2-4	0.01	65 lbs	-33 lbs
								5-8	0.06	447 lbs	-299 lbs
								5-7	0.07	-330 lbs	-330 lbs
								1-7	0.02	-78 lbs	-78 lbs

TRUSS TR05 (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 :	0.57 (7 - 8)	TL(V): 0.08 in.	L / 728	(8-4)	L / 90
BC :	0.79 (6 - 5)	LL(V): 0.05 in.	L / 999	(8-4)	L / 90
Web :	0.08 (7 - 5)	DL(V): 0.03 in.	L / 999	(8-4)	L / 0
		Cant / OH TL: 0.05 in.	2L / 0	(8-4)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 0	(8-4)	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.14 in.	L / 414	(8-4)	L / 90
		Cant (Snow/Wind) -0.14 in.	L / 0	(8-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-50 lbs	-10 lbs	-50 lbs	0 lbs
5	Pin		-140 lbs	410 lbs	0 lbs	-350 lbs	-140 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-1-9	4-7-5

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

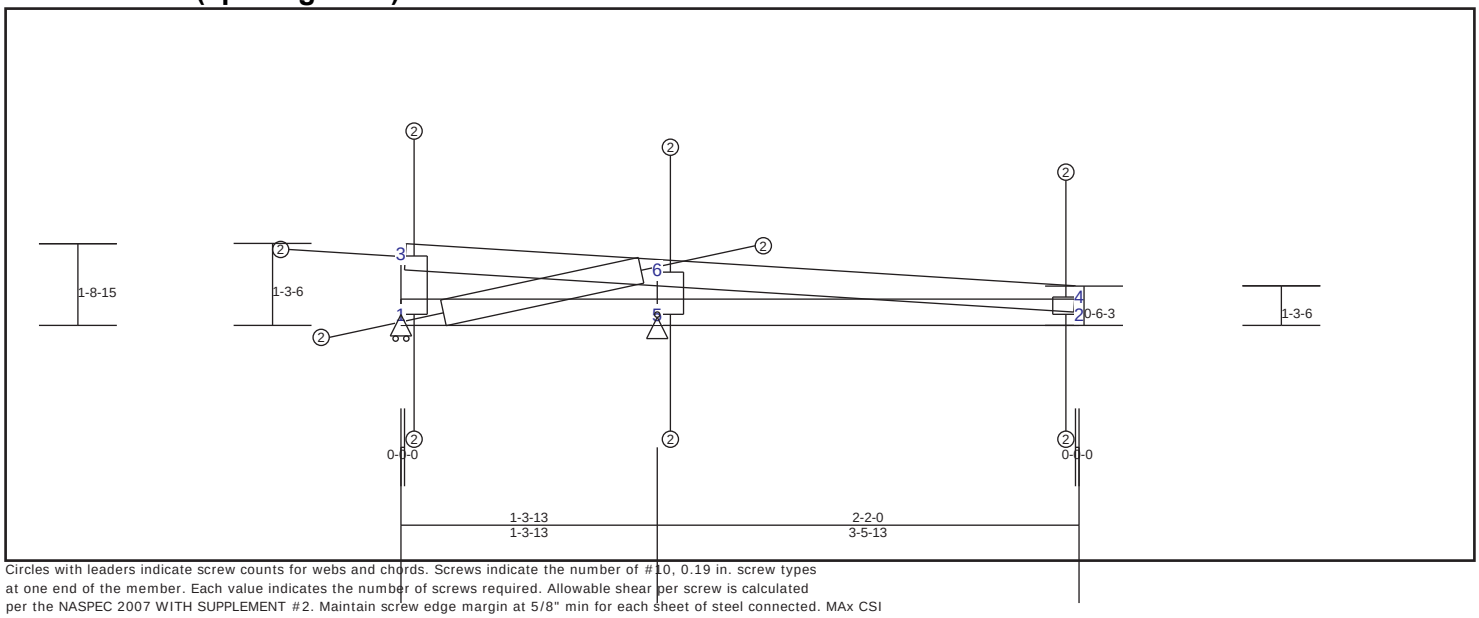
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.13	-32 lbs	-32 lbs	1-6	0.19	61 lbs	-34 lbs	1-3	0.01	-59 lbs	-59 lbs
7-8	0.57	193 lbs	-119 lbs	5-6	0.79	-139 lbs	-139 lbs	6-7	0.03	262 lbs	-134 lbs
4-8	0.40	52 lbs	-11 lbs	2-5	0.56	0 lbs	0 lbs	2-4	0.01	67 lbs	-34 lbs
								5-8	0.06	512 lbs	-328 lbs
								5-7	0.08	-421 lbs	-421 lbs
								1-7	0.03	-138 lbs	-138 lbs

TRUSS TR06 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.49 (6 - 4)	TL(V): 0.06 in.	L / 678	(6-4)	L / 90
BC :	0.41 (5 - 2)	LL(V): 0.04 in.	L / 999	(6-4)	L / 90
Web :	0.05 (5 - 6)	DL(V): 0.02 in.	L / 999	(6-4)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(6-4)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(6-4)	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.06 in.	L / 757	(6-4)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 866	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-110 lbs	-110 lbs	-110 lbs	0 lbs
5	Pin		-110 lbs	400 lbs	0 lbs	-180 lbs	-110 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-8-12	3-5-13

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

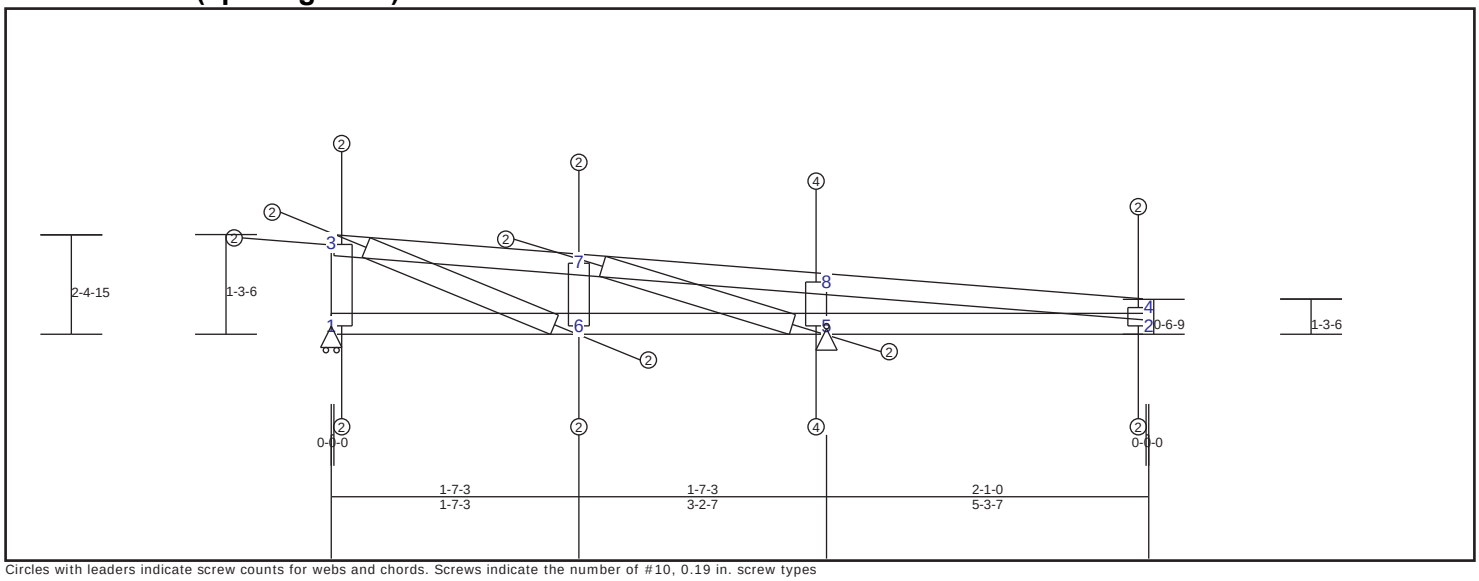
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.45	59 lbs	-52 lbs	1-5	0.36	-113 lbs	-113 lbs	5-6	0.05	-260 lbs	-260 lbs
4-6	0.49	59 lbs	-52 lbs	2-5	0.41	-113 lbs	-113 lbs	1-3	0.00	33 lbs	0 lbs
								2-4	0.01	37 lbs	-33 lbs
								1-6	0.02	178 lbs	-63 lbs

TRUSS TR07 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.52 (7 - 8)	TL(V): 0.07 in.	L / 912	(8-4)	L / 90
BC :	0.71 (6 - 5)	LL(V): 0.05 in.	L / 999	(8-4)	L / 90
Web :	0.06 (7 - 5)	DL(V): 0.02 in.	L / 999	(8-4)	L / 0
		Cant / OH TL: 0.05 in.	2L / 0	(8-4)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 0	(8-4)	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.13 in.	L / 498	(8-4)	L / 90
		Cant (Snow/Wind) -0.13 in.	L / 0	(8-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	90 lbs	0 lbs	-90 lbs	0 lbs
5	Pin		-150 lbs	410 lbs	0 lbs	-320 lbs	-150 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-4-12	5-3-7

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

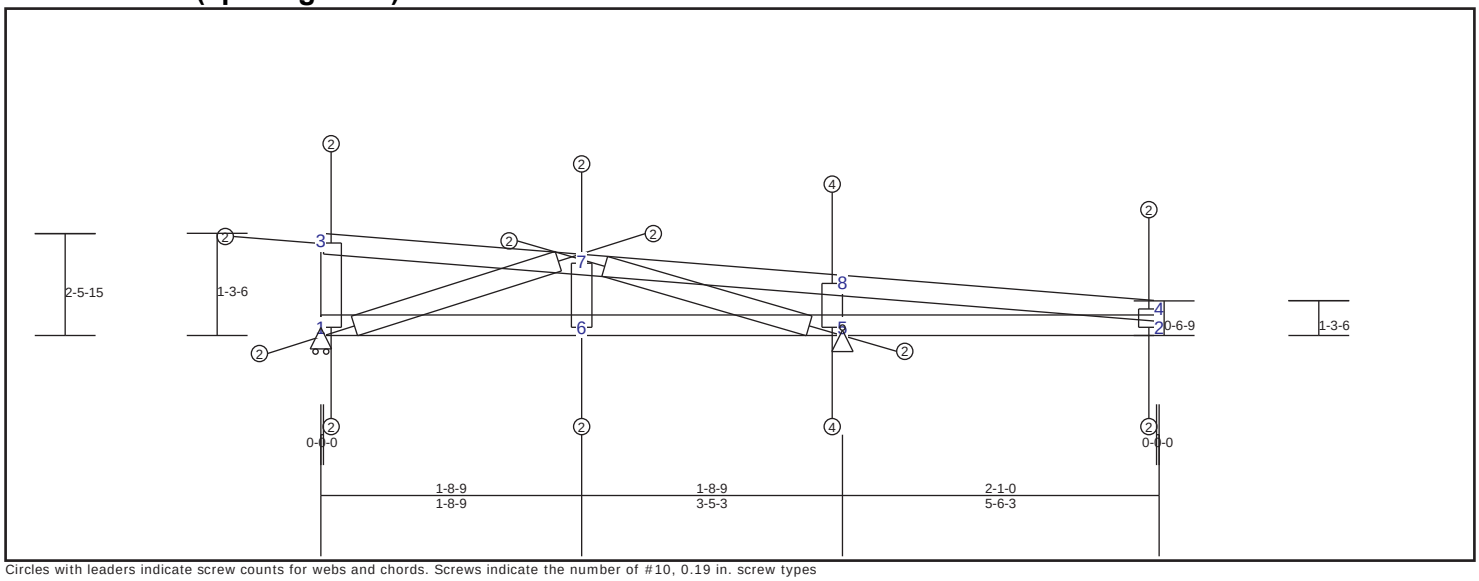
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.12	-60 lbs	-60 lbs	1-6	0.16	35 lbs	-24 lbs	1-3	0.01	89 lbs	-73 lbs
7-8	0.52	169 lbs	-88 lbs	5-6	0.71	-150 lbs	-150 lbs	6-7	0.02	156 lbs	-87 lbs
4-8	0.36	50 lbs	-11 lbs	2-5	0.53	0 lbs	0 lbs	2-4	0.01	65 lbs	-33 lbs
								5-8	0.06	442 lbs	-296 lbs
								3-6	0.01	73 lbs	-49 lbs
								5-7	0.06	-309 lbs	-309 lbs

TRUSS TR08 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.52 (7 - 8)	TL(V): 0.07 in.	L / 926	(8-4)	L / 90
BC :	0.71 (6 - 5)	LL(V): 0.05 in.	L / 999	(8-4)	L / 90
Web :	0.06 (7 - 5)	DL(V): 0.02 in.	L / 999	(8-4)	L / 0
		Cant / OH TL: 0.05 in.	2L / 0	(8-4)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 0	(8-4)	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.14 in.	L / 507	(8-4)	L / 90
		Cant (Snow/Wind) -0.14 in.	L / 0	(8-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	110 lbs	0 lbs	-100 lbs	0 lbs
5	Pin		-160 lbs	410 lbs	0 lbs	-320 lbs	-160 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-5-12	5-6-3

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

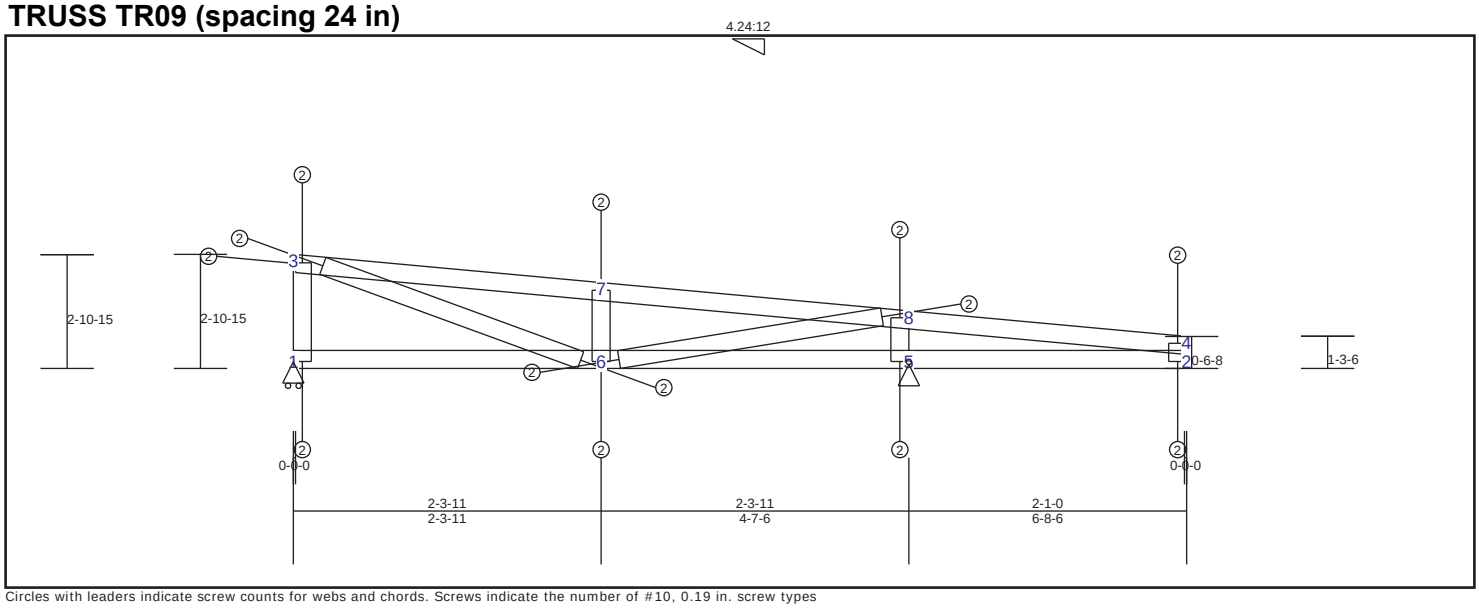
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.12	-40 lbs	-40 lbs	1-6	0.16	-34 lbs	-34 lbs	1-3	0.01	-67 lbs	-67 lbs
7-8	0.52	164 lbs	-89 lbs	5-6	0.71	-155 lbs	-155 lbs	6-7	0.02	154 lbs	-54 lbs
4-8	0.36	50 lbs	-11 lbs	2-5	0.53	0 lbs	0 lbs	2-4	0.01	66 lbs	-33 lbs
								5-8	0.06	426 lbs	-293 lbs
								5-7	0.06	-296 lbs	-296 lbs
								1-7	0.01	59 lbs	-53 lbs

TRUSS TR09 (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 :	0.94 (7 - 8)	TL(V): 0.07 in.	L / 999	(5-2)	L / 90
BC :	0.60 (6 - 5)	LL(V): 0.05 in.	L / 999	(5-2)	L / 90
Web :	0.05 (6 - 8)	DL(V): 0.03 in.	L / 999	(5-2)	L / 0
		Cant / OH TL: 0.05 in.	2L / 999	(5-2)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 999	(5-2)	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.14 in.	L / 583	(8-4)	L / 90
		Cant (Snow/Wind) -0.14 in.	L / 0	(8-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	110 lbs	0 lbs	-40 lbs	0 lbs
5	Pin		300 lbs	100 lbs	0 lbs	-90 lbs	300 lbs
8	Pin		-470 lbs	420 lbs	0 lbs	-350 lbs	-470 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-10-12	6-8-6

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

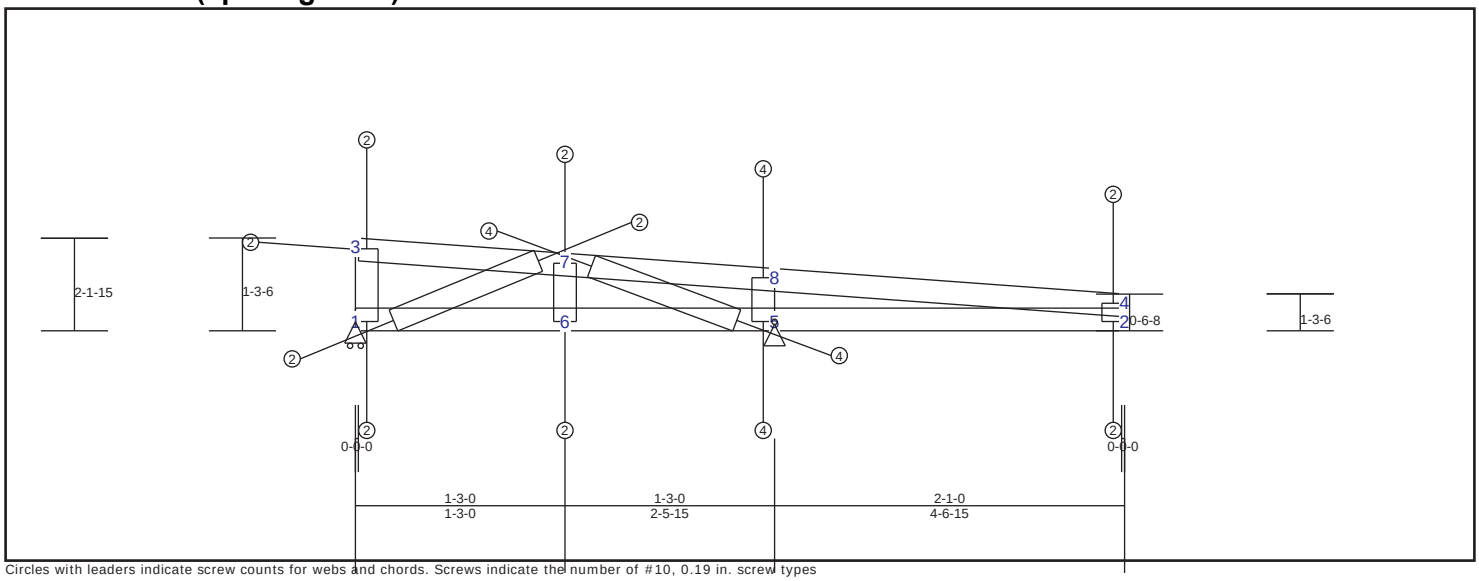
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.19	-182 lbs	-182 lbs	1-6	0.23	137 lbs	0 lbs	1-3	0.02	-104 lbs	-104 lbs
7-8	0.94	-321 lbs	-321 lbs	5-6	0.60	335 lbs	-241 lbs	6-7	0.04	-180 lbs	-180 lbs
4-8	0.41	51 lbs	-9 lbs	2-5	0.52	0 lbs	0 lbs	2-4	0.01	65 lbs	-27 lbs
								5-8	0.00	0 lbs	0 lbs
								3-6	0.03	237 lbs	0 lbs
								6-8	0.05	289 lbs	-264 lbs

TRUSS TR10 (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 (7 - 8)	TL(V): 0.07 in.	L / 830	(8-4)	L / 90
BC :	0.73 (6 - 5)	LL(V): 0.05 in.	L / 999	(8-4)	L / 90
Web :	0.08 (7 - 5)	DL(V): 0.02 in.	L / 999	(8-4)	L / 0
		Cant / OH TL: 0.05 in.	2L / 0	(8-4)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 0	(8-4)	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.12 in.	L / 469	(8-4)	L / 90
		Cant (Snow/Wind) -0.12 in.	L / 0	(8-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-60 lbs	-10 lbs	-60 lbs	0 lbs
5	Pin		-140 lbs	390 lbs	0 lbs	-330 lbs	-140 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-1-12	4-6-15

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

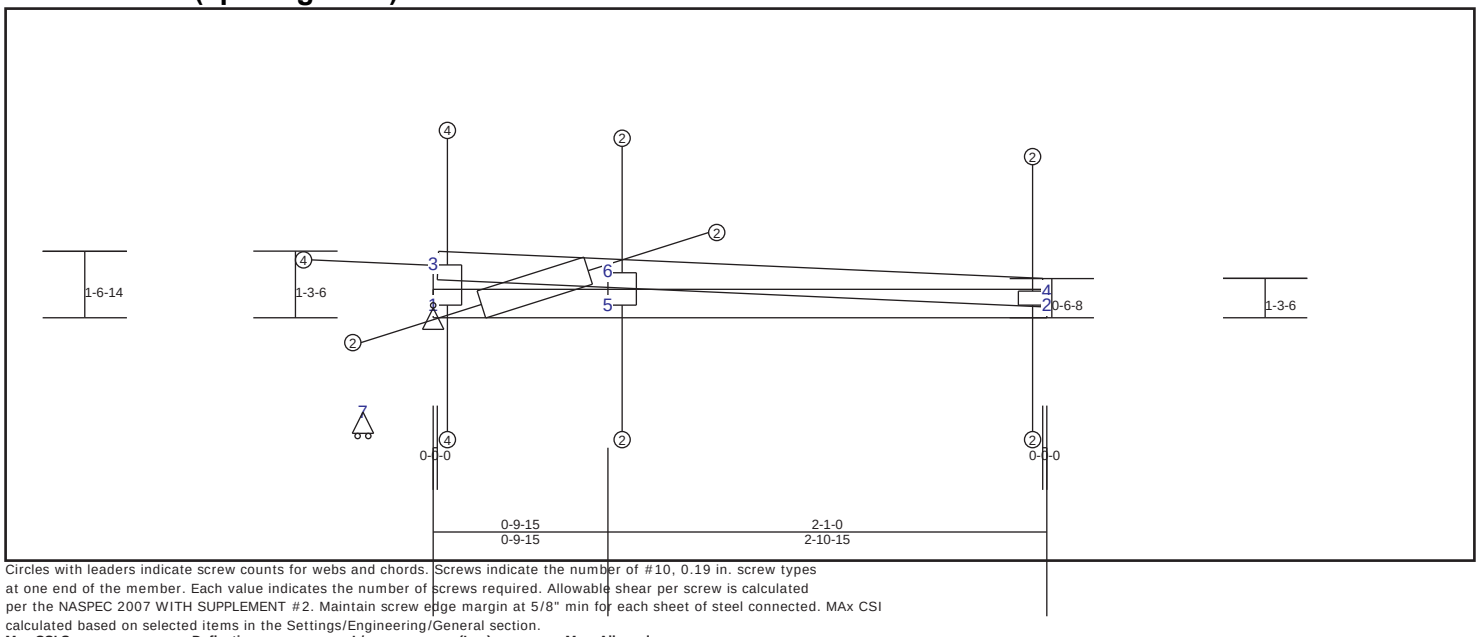
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.11	-30 lbs	-30 lbs	1-6	0.18	51 lbs	-27 lbs	1-3	0.01	-57 lbs	-57 lbs
7-8	0.53	182 lbs	-108 lbs	5-6	0.73	-136 lbs	-136 lbs	6-7	0.03	234 lbs	-115 lbs
4-8	0.37	50 lbs	-11 lbs	2-5	0.52	0 lbs	0 lbs	2-4	0.01	64 lbs	-32 lbs
								5-8	0.06	481 lbs	-311 lbs
								5-7	0.08	-387 lbs	-387 lbs
								1-7	0.02	-114 lbs	-114 lbs

TRUSS TR11 (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 :	0.66 (6 - 4)	TL(V): 118049.8 in.	L / 0	(6-4)	L / 90
BC :	0.69 (1 - 5)	LL(V): 77999.13 in.	L / 0	(6-4)	L / 90
Web :	0.08 (1 - 3)	DL(V): 40050.67 in.	L / 0	(6-4)	L / 0
		Cant / OH TL: 77999.13 in	2L / 0	(6-4)	2L / 90
		Cant / OH LL: 77999.13 in	2L / 0	(6-4)	2L / 90
		Horiz TL: 39569.76 in.		3	
		Web :			
		Snow/Wind -70707.81 in.	L / 0	(6-4)	L / 90
		Cant (Snow/Wind) -70707.81 in.	L / 0	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		0 lbs	70 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-6-11	2-10-15

Material Design Pass

Deflection check failed

Member Forces Summary

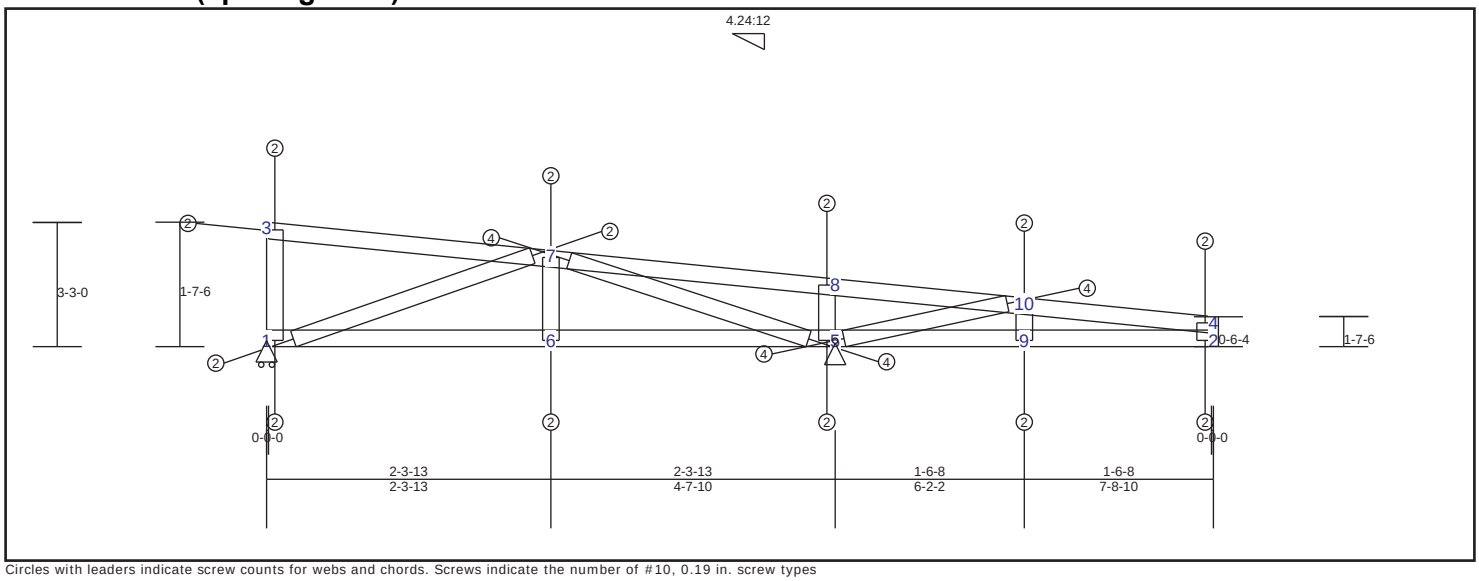
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord				Bot Chord				Web			
3-6	0.56	135 lbs	-68 lbs	1-5	0.69	88 lbs	-34 lbs	5-6	0.04	232 lbs	-205 lbs
4-6	0.66	118 lbs	-58 lbs	2-5	0.22	0 lbs	0 lbs	1-3	0.08	-404 lbs	-404 lbs
								2-4	0.00	33 lbs	-22 lbs
								1-6	0.03	237 lbs	-90 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 TR12 (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 :	0.65 (8 - 10)	TL(V): 0.04 in.	L / 999	(9-2)	L / 90
BC :	0.37 (5 - 9)	LL(V): 0.02 in.	L / 999	(9-2)	L / 90
Web :	0.09 (7 - 5)	DL(V): 0.01 in.	L / 999	(9-2)	L / 0
		Cant / OH TL: 0.02 in.	2L / 0	(9-2)	2L / 90
		Cant / OH LL: 0.02 in.	2L / 0	(9-2)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(9-2)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 0	(9-2)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	130 lbs	0 lbs	-120 lbs	0 lbs
5	Pin		-220 lbs	600 lbs	0 lbs	-480 lbs	-220 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
3-2-13	7-8-10

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

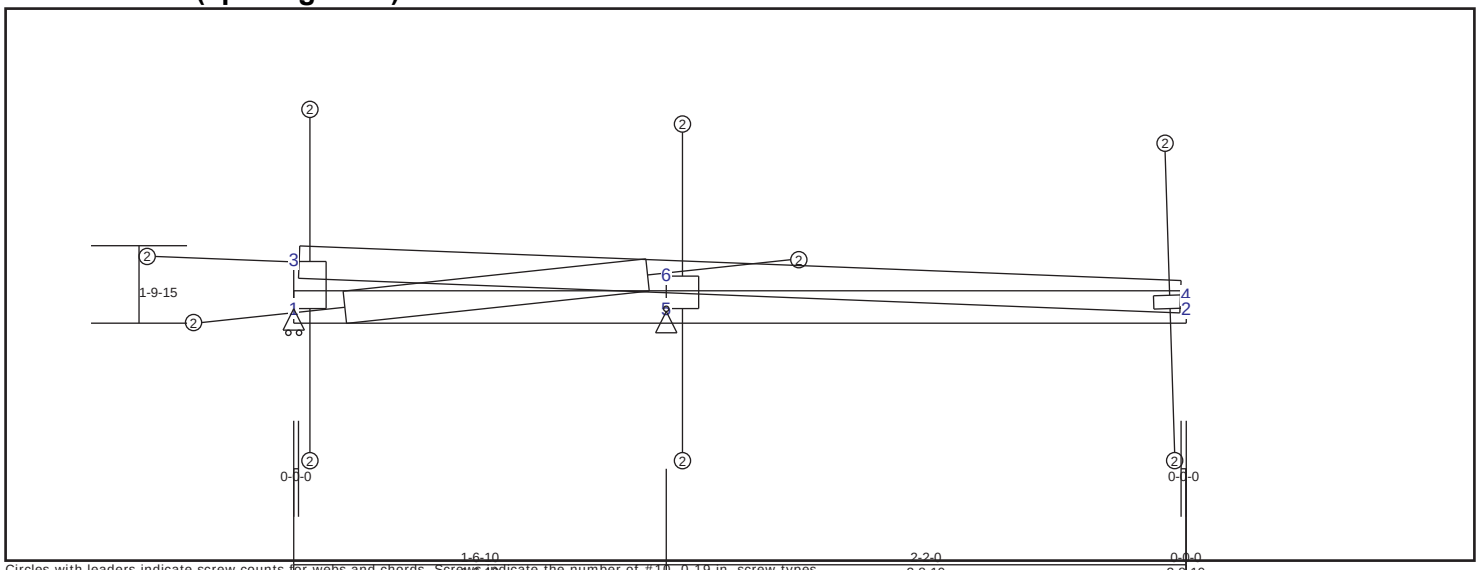
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.16	-54 lbs	-54 lbs	1-6	0.06	-62 lbs	-62 lbs	1-3	0.02	-79 lbs	-79 lbs
7-8	0.24	-339 lbs	-339 lbs	5-6	0.24	461 lbs	-280 lbs	6-7	0.01	46 lbs	-13 lbs
8-10	0.65	-339 lbs	-339 lbs	5-9	0.37	461 lbs	-280 lbs	9-10	0.02	-118 lbs	-118 lbs
4-10	0.43	56 lbs	-21 lbs	2-9	0.37	0 lbs	0 lbs	2-4	0.01	56 lbs	-29 lbs
								5-8	0.02	96 lbs	-89 lbs
								5-7	0.09	-419 lbs	-419 lbs
								5-10	0.07	578 lbs	-351 lbs
								1-7	0.02	99 lbs	-78 lbs

TRUSS TR13 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.49 (6 - 4)	TL(V): 0.07 in.	L / 689	(6-4)	L / 90
BC :	0.40 (5 - 2)	LL(V): 0.04 in.	L / 999	(6-4)	L / 90
Web :	0.05 (5 - 6)	DL(V): 0.02 in.	L / 999	(6-4)	L / 0
		Cant / OH TL: 0.04 in.	2L / 999	(6-4)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 999	(6-4)	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.06 in.	L / 788	(6-4)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 841	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-120 lbs	-90 lbs	-120 lbs	0 lbs
5	Pin		-120 lbs	390 lbs	0 lbs	-180 lbs	-120 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-9-12	3-8-10

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

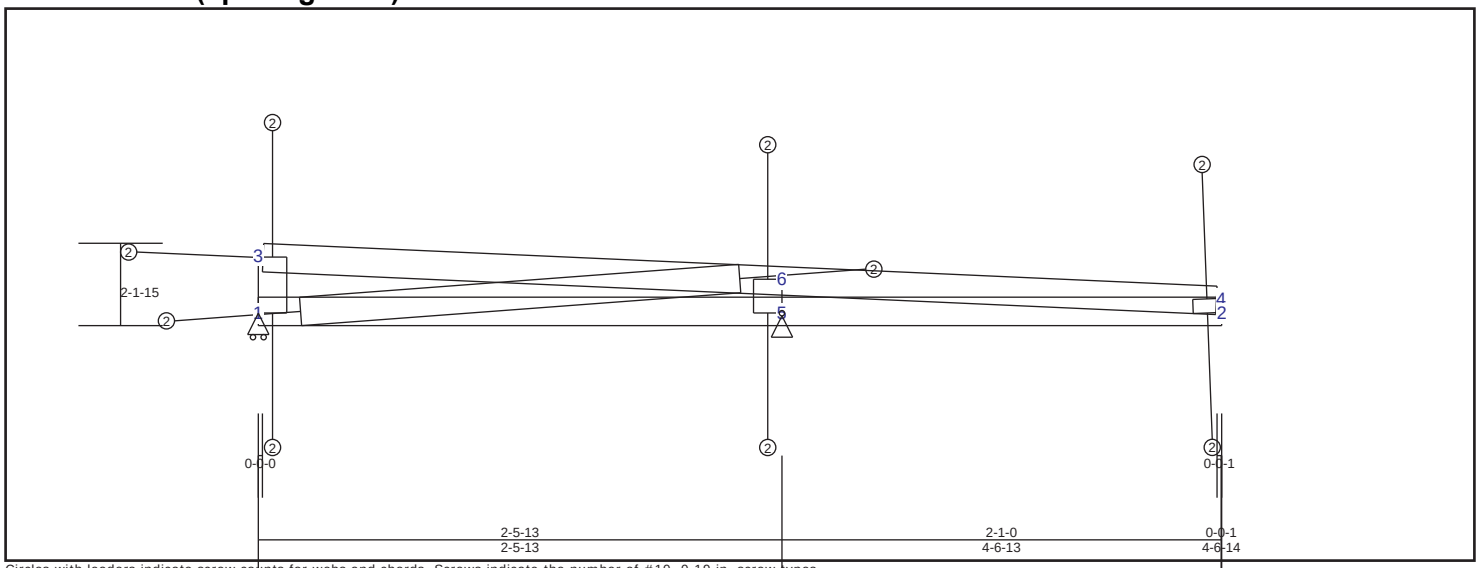
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.44	65 lbs	-52 lbs	1-5	0.35	-125 lbs	-125 lbs	5-6	0.05	-260 lbs	-260 lbs
4-6	0.49	65 lbs	-52 lbs	2-5	0.40	-125 lbs	-125 lbs	1-3	0.01	45 lbs	0 lbs
								2-4	0.01	35 lbs	-32 lbs
								1-6	0.02	173 lbs	-60 lbs

TRUSS TR14 (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 :	0.64 (3 - 6)	TL(V): 0.08 in.	L / 710	(6-4)	L / 90
BC :	0.68 (1 - 5)	LL(V): 0.05 in.	L / 999	(6-4)	L / 90
Web :	0.05 (5 - 6)	DL(V): 0.03 in.	L / 999	(6-4)	L / 0
		Cant / OH TL: 0.05 in.	2L / 953	(6-4)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 953	(6-4)	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.16 in.	L / 356	(6-4)	L / 90
		Cant (Snow/Wind) -0.16 in.	L / 315	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-50 lbs	-10 lbs	-50 lbs	0 lbs
5	Pin		-140 lbs	390 lbs	0 lbs	-330 lbs	-140 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-1-12	4-6-14

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

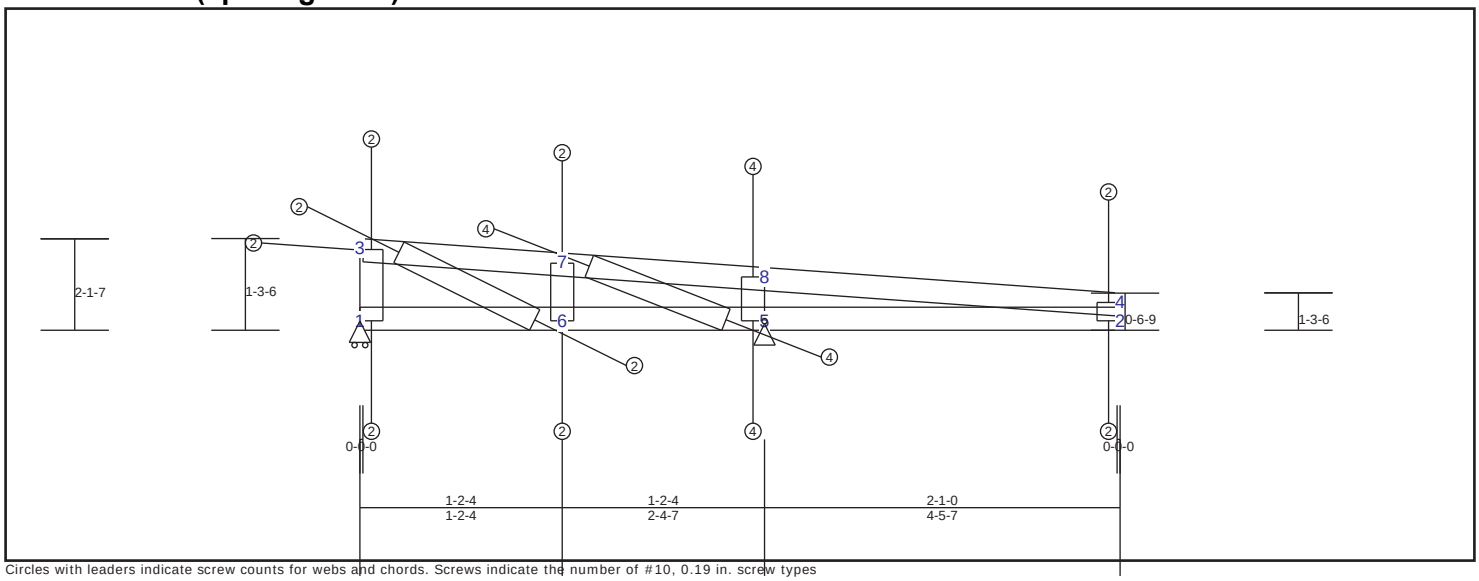
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.64	110 lbs	-58 lbs	1-5	0.68	-136 lbs	-136 lbs	5-6	0.05	-284 lbs	-284 lbs
4-6	0.39	52 lbs	-10 lbs	2-5	0.58	0 lbs	0 lbs	1-3	0.01	-49 lbs	-49 lbs
								2-4	0.01	71 lbs	-30 lbs
								1-6	0.02	158 lbs	-62 lbs

TRUSS TR15 (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 (7 - 8)	TL(V): 0.07 in.	L / 817	(8-4)	L / 90
BC :	0.74 (6 - 5)	LL(V): 0.04 in.	L / 999	(8-4)	L / 90
Web :	0.08 (7 - 5)	DL(V): 0.02 in.	L / 999	(8-4)	L / 0
		Cant / OH TL: 0.04 in.	2L / 0	(8-4)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 0	(8-4)	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.12 in.	L / 460	(8-4)	L / 90
		Cant (Snow/Wind) -0.12 in.	L / 0	(8-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-50 lbs	-10 lbs	-50 lbs	0 lbs
5	Pin		-130 lbs	390 lbs	0 lbs	-330 lbs	-130 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-1-4	4-5-7

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

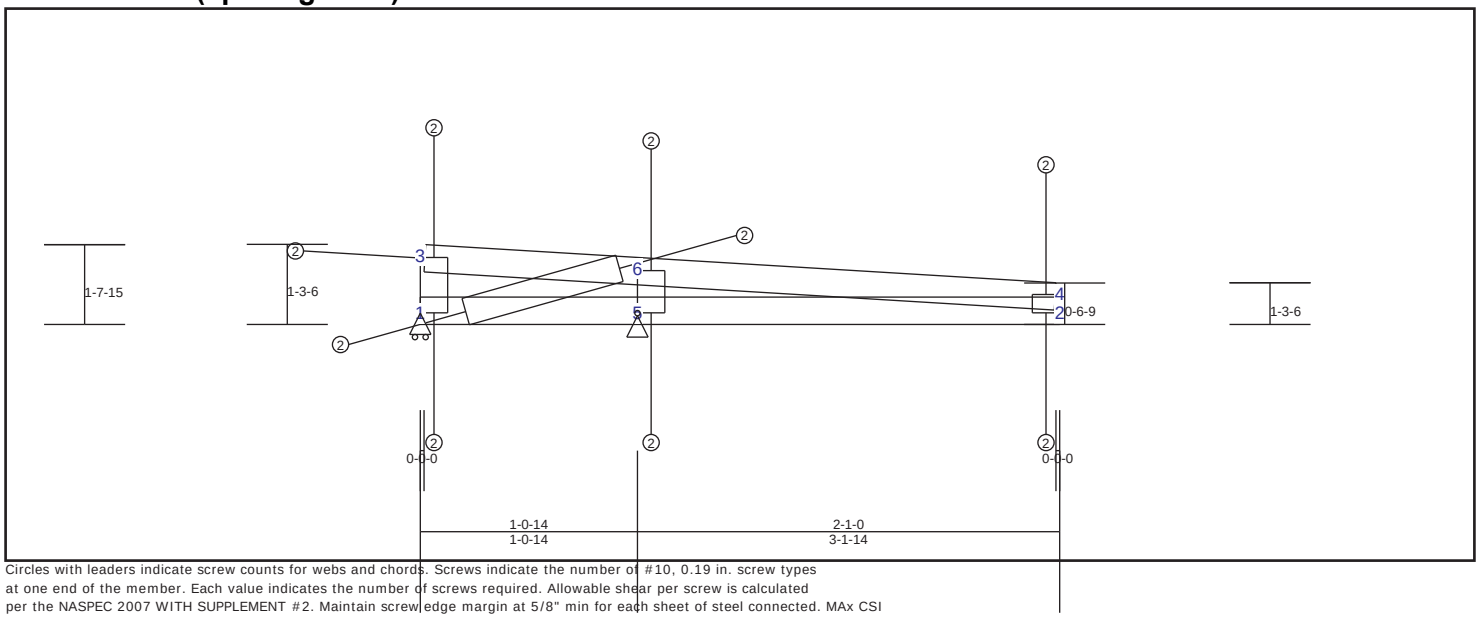
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.06	-71 lbs	-71 lbs	1-6	0.16	51 lbs	-31 lbs	1-3	0.01	-56 lbs	-56 lbs
7-8	0.53	189 lbs	-104 lbs	5-6	0.74	-134 lbs	-134 lbs	6-7	0.02	148 lbs	-68 lbs
4-8	0.37	50 lbs	-11 lbs	2-5	0.51	0 lbs	0 lbs	2-4	0.01	63 lbs	-32 lbs
								5-8	0.06	506 lbs	-324 lbs
								3-6	0.02	135 lbs	-82 lbs
								5-7	0.08	-402 lbs	-402 lbs

TRUSS TR16 (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 :	0.45 (6 - 4)	TL(V): 0.05 in.	L / 762	(6-4)	L / 90
BC :	0.38 (5 - 2)	LL(V): 0.03 in.	L / 999	(6-4)	L / 90
Web :	0.05 (5 - 6)	DL(V): 0.02 in.	L / 999	(6-4)	L / 0
		Cant / OH TL: 0.03 in.	2L / 0	(6-4)	2L / 90
		Cant / OH LL: 0.03 in.	2L / 0	(6-4)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.05 in.	L / 835	(6-4)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 0	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-120 lbs	-120 lbs	-120 lbs	0 lbs
5	Pin		-100 lbs	400 lbs	0 lbs	-170 lbs	-100 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-7-12	3-1-14

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

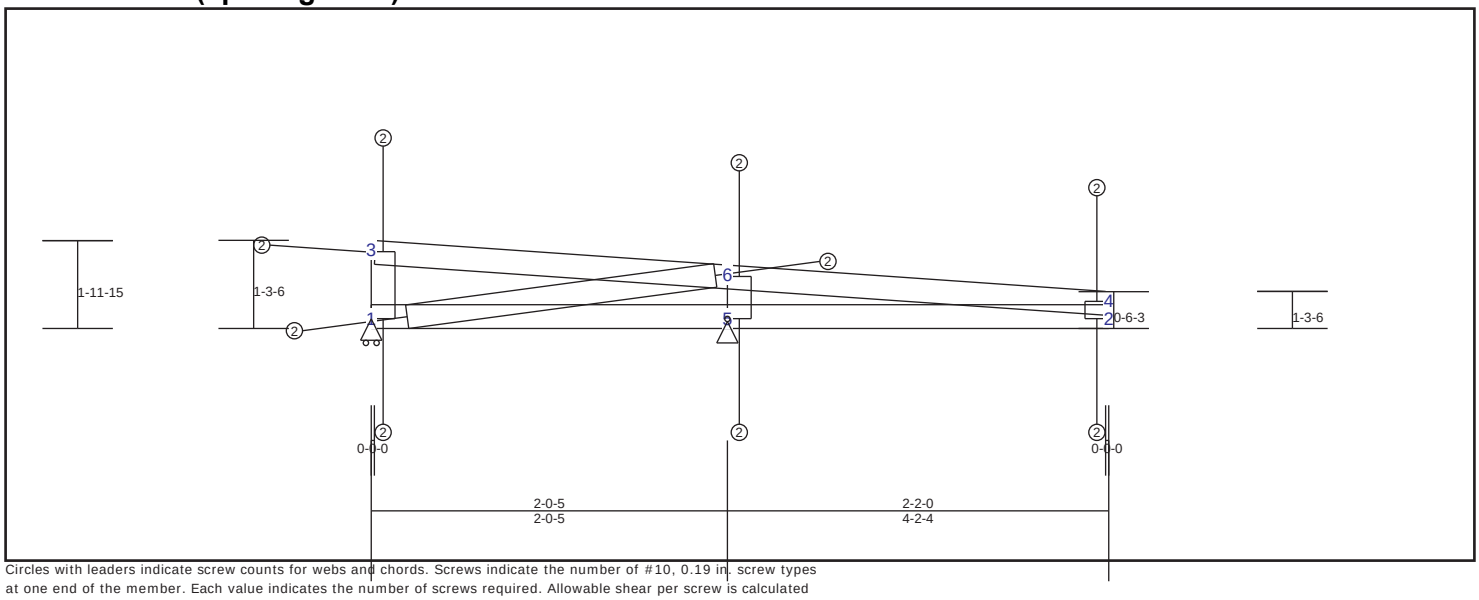
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.40	-50 lbs	-50 lbs	1-5	0.34	-100 lbs	-100 lbs	5-6	0.05	-250 lbs	-250 lbs
4-6	0.45	-50 lbs	-50 lbs	2-5	0.38	-100 lbs	-100 lbs	2-4	0.01	36 lbs	-32 lbs
								1-3	0.01	56 lbs	-30 lbs
								1-6	0.02	192 lbs	-70 lbs

TRUSS TR17 (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 (6 - 4)	TL(V): 0.07 in.	L / 731	(6-4)	L / 90
BC :	0.39 (5 - 2)	LL(V): 0.05 in.	L / 999	(6-4)	L / 90
Web :	0.05 (5 - 6)	DL(V): 0.02 in.	L / 999	(6-4)	L / 0
		Cant / OH TL: 0.05 in.	2L / 999	(6-4)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 999	(6-4)	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.06 in.	L / 897	(6-4)	L / 90
		Cant (Snow/Wind) -0.06 in.	L / 848	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-150 lbs	-80 lbs	-150 lbs	0 lbs
5	Pin		-150 lbs	380 lbs	0 lbs	-200 lbs	-150 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-11-12	4-2-4

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

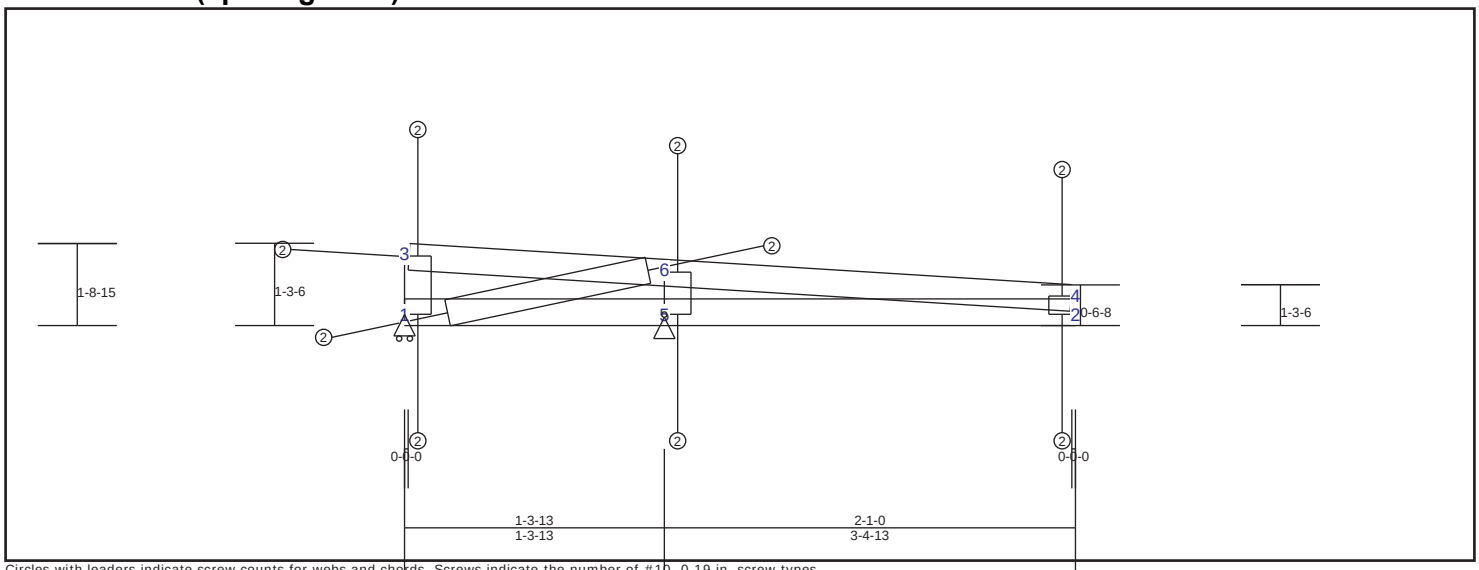
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.46	75 lbs	-54 lbs	1-5	0.33	-147 lbs	-147 lbs	5-6	0.05	-269 lbs	-269 lbs
4-6	0.51	75 lbs	-54 lbs	2-5	0.39	-147 lbs	-147 lbs	2-4	0.01	31 lbs	-30 lbs
								1-3	0.01	91 lbs	-28 lbs
								1-6	0.02	178 lbs	-59 lbs

TRUSS TR18 (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 :	0.45 (6 - 4)	TL(V): 0.05 in.	L / 771	(6-4)	L / 90
BC :	0.38 (5 - 2)	LL(V): 0.04 in.	L / 999	(6-4)	L / 90
Web :	0.05 (5 - 6)	DL(V): 0.02 in.	L / 999	(6-4)	L / 0
		Cant / OH TL: 0.04 in.	2L / 0	(6-4)	2L / 90
		Cant / OH LL: 0.04 in.	2L / 0	(6-4)	2L / 90
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind -0.05 in.	L / 861	(6-4)	L / 90
		Cant (Snow/Wind) -0.05 in.	L / 0	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-110 lbs	-100 lbs	-110 lbs	0 lbs
5	Pin		-110 lbs	380 lbs	0 lbs	-170 lbs	-110 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
1-8-12	3-4-13

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

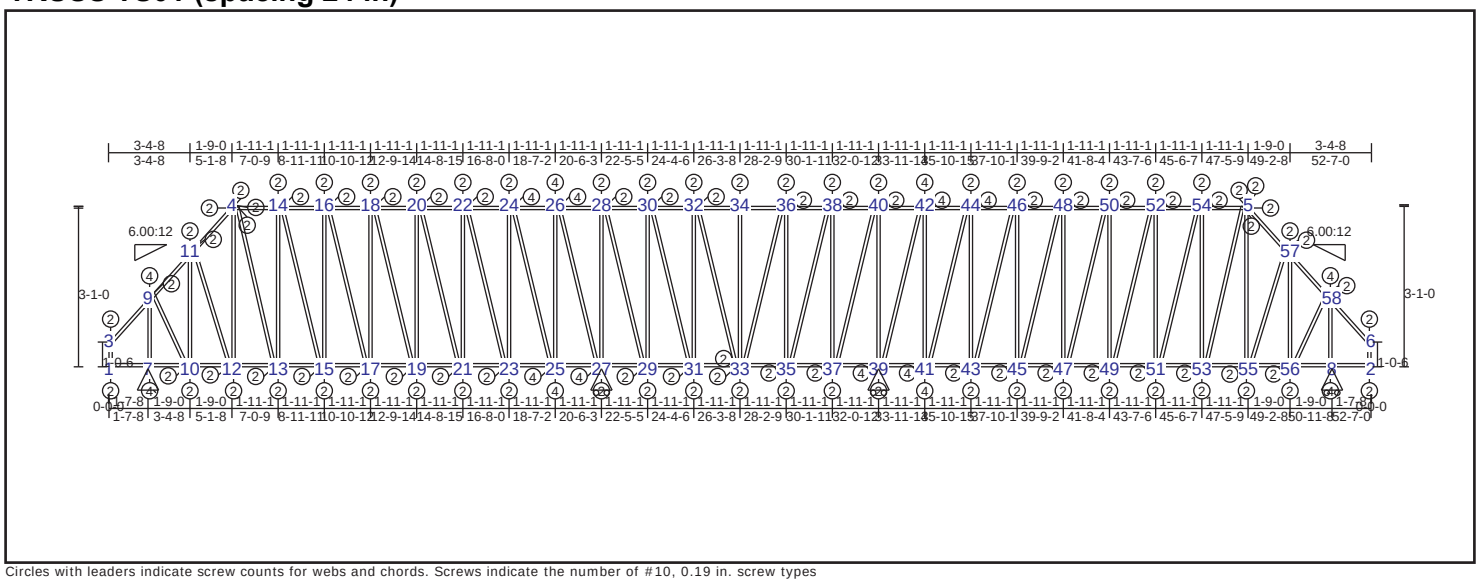
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.41	56 lbs	-49 lbs	1-5	0.33	-111 lbs	-111 lbs	1-3	0.00	27 lbs	0 lbs
4-6	0.45	56 lbs	-49 lbs	2-5	0.38	-111 lbs	-111 lbs	2-4	0.01	35 lbs	-31 lbs
								5-6	0.05	-248 lbs	-248 lbs
								1-6	0.02	174 lbs	-62 lbs

TRUSS TS01 (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 :	0.27 (40 - 42)	TL(V): 0.02 in.	L / 999	(16-18)	L / 90
BC :	0.28 (37 - 39)	LL(V): 0.02 in.	L / 999	(16-18)	L / 90
Web :	0.12 (39 - 42)	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: 0.01 in.		2	
		Web :			
		Snow/Wind -0.03 in.	L / 999	(8-2)	L / 90
		Cant (Snow/Wind) -0.03 in.	L / 999	(8-2)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	Fixed		-20 lbs	950 lbs	0 lbs	-560 lbs	-20 lbs
8	HRoll		0 lbs	950 lbs	0 lbs	-580 lbs	0 lbs
27	HRoll		0 lbs	1580 lbs	0 lbs	-900 lbs	0 lbs
39	HRoll		0 lbs	1580 lbs	0 lbs	-920 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
3-1-0	52-7-0

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

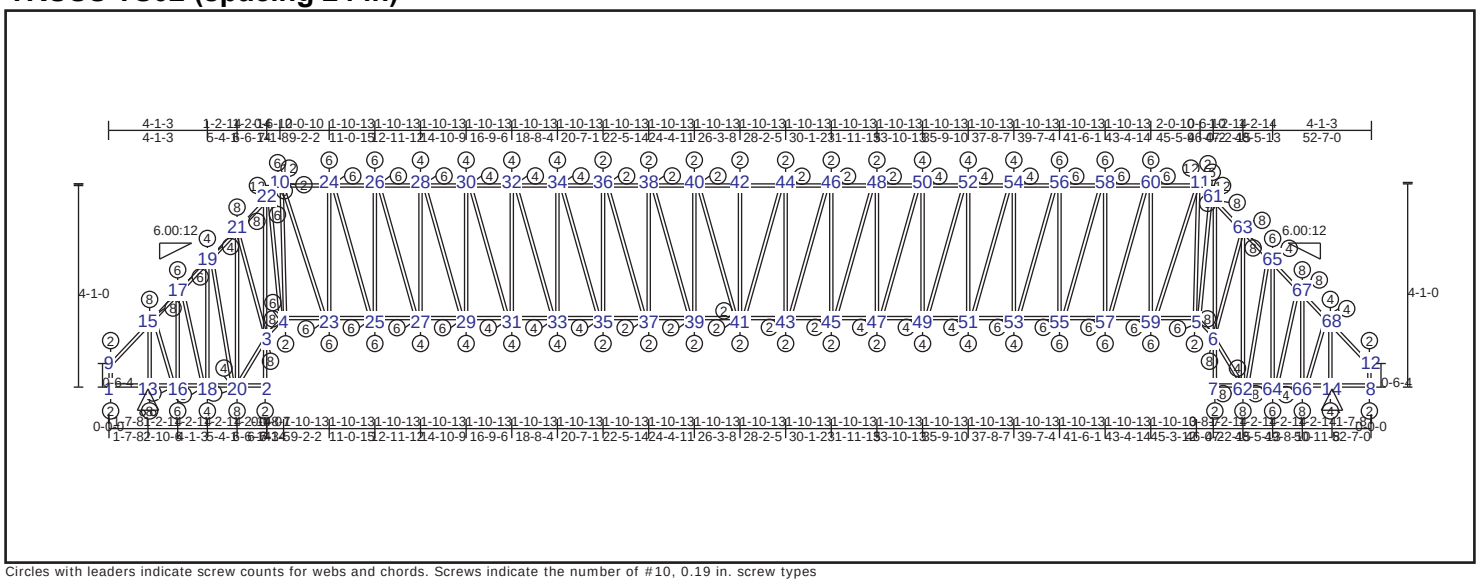
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
4-14	0.24	-949 lbs	-949 lbs	1-7	0.16	0 lbs	0 lbs	1-3	0.00	69 lbs	-10 lbs
14-16	0.17	-1067 lbs	-1067 lbs	7-10	0.20	508 lbs	-255 lbs	10-11	0.04	-519 lbs	-519 lbs
16-18	0.12	-1067 lbs	-1067 lbs	10-12	0.15	666 lbs	-358 lbs	4-12	0.02	-189 lbs	-189 lbs
18-20	0.13	-1062 lbs	-1062 lbs	12-13	0.12	906 lbs	-547 lbs	13-14	0.04	-461 lbs	-461 lbs
20-22	0.15	-937 lbs	-937 lbs	13-15	0.11	1023 lbs	-644 lbs	15-16	0.02	-163 lbs	-163 lbs
22-24	0.19	-691 lbs	-691 lbs	15-17	0.06	1023 lbs	-649 lbs	17-18	0.00	48 lbs	-26 lbs
24-26	0.27	-327 lbs	-327 lbs	17-19	0.09	1019 lbs	-649 lbs	19-20	0.02	276 lbs	-174 lbs
26-28	0.27	727 lbs	-448 lbs	19-21	0.13	894 lbs	-564 lbs	21-22	0.03	501 lbs	-342 lbs
28-30	0.16	727 lbs	-448 lbs	21-23	0.19	648 lbs	-388 lbs	23-24	0.05	726 lbs	-511 lbs
30-32	0.15	478 lbs	-262 lbs	23-25	0.25	284 lbs	-213 lbs	25-26	0.06	962 lbs	-687 lbs
32-34	0.09	284 lbs	-119 lbs	25-27	0.28	-771 lbs	-771 lbs	27-28	0.05	-564 lbs	-564 lbs
34-36	0.09	284 lbs	-124 lbs	27-29	0.28	-771 lbs	-771 lbs	29-30	0.05	-544 lbs	-544 lbs
36-38	0.15	478 lbs	-271 lbs	29-31	0.17	-521 lbs	-521 lbs	31-32	0.03	-287 lbs	-287 lbs
38-40	0.16	728 lbs	-460 lbs	31-33	0.07	-327 lbs	-327 lbs	33-34	0.02	-168 lbs	-168 lbs
40-42	0.27	728 lbs	-460 lbs	33-35	0.07	-328 lbs	-328 lbs	35-36	0.03	-287 lbs	-287 lbs
42-44	0.27	329 lbs	-327 lbs	35-37	0.17	-521 lbs	-521 lbs	37-38	0.05	-544 lbs	-544 lbs
44-46	0.19	-692 lbs	-692 lbs	37-39	0.28	-771 lbs	-771 lbs	39-40	0.05	-564 lbs	-564 lbs
46-48	0.15	-938 lbs	-938 lbs	39-41	0.28	-771 lbs	-771 lbs	41-42	0.07	962 lbs	-702 lbs
48-50	0.13	-1062 lbs	-1062 lbs	41-43	0.25	284 lbs	-213 lbs	43-44	0.05	726 lbs	-525 lbs
50-52	0.12	-1068 lbs	-1068 lbs	43-45	0.19	648 lbs	-398 lbs	45-46	0.03	501 lbs	-357 lbs
52-54	0.17	-1068 lbs	-1068 lbs	45-47	0.13	895 lbs	-582 lbs	47-48	0.02	277 lbs	-189 lbs
5-54	0.24	-950 lbs	-950 lbs	47-49	0.09	1019 lbs	-675 lbs	49-50	0.00	48 lbs	-17 lbs
3-9	0.14	62 lbs	-4 lbs	49-51	0.07	1024 lbs	-678 lbs	51-52	0.02	-162 lbs	-162 lbs
9-11	0.25	-775 lbs	-775 lbs	51-53	0.11	1024 lbs	-678 lbs	53-54	0.04	-460 lbs	-460 lbs
4-11	0.13	-807 lbs	-807 lbs	53-55	0.12	907 lbs	-589 lbs	5-55	0.02	-188 lbs	-188 lbs
5-57	0.13	-808 lbs	-808 lbs	55-56	0.14	667 lbs	-409 lbs	56-57	0.04	-518 lbs	-518 lbs
57-58	0.25	-776 lbs	-776 lbs	8-56	0.18	510 lbs	-310 lbs	2-6	0.00	62 lbs	-11 lbs
6-58	0.14	60 lbs	-5 lbs	2-8	0.15	0 lbs	0 lbs	7-9	0.07	-905 lbs	-905 lbs
								8-58	0.07	-907 lbs	-907 lbs
								9-10	0.04	706 lbs	-378 lbs
								11-12	0.02	282 lbs	-184 lbs
								4-13	0.04	524 lbs	-415 lbs
								14-15	0.02	249 lbs	-204 lbs
								16-17	0.00	21 lbs	-13 lbs
								18-19	0.03	-263 lbs	-263 lbs
								20-21	0.05	-521 lbs	-521 lbs
								22-23	0.08	-771 lbs	-771 lbs
								24-25	0.11	-1050 lbs	-1050 lbs
								26-27	0.12	-1181 lbs	-1181 lbs
								28-29	0.04	528 lbs	-392 lbs
								30-31	0.03	410 lbs	-302 lbs
								32-33	0.01	120 lbs	-84 lbs
								33-36	0.01	120 lbs	-93 lbs
								35-38	0.03	410 lbs	-312 lbs
								37-40	0.04	528 lbs	-400 lbs
								39-42	0.12	-1181 lbs	-1181 lbs
								41-44	0.11	-1051 lbs	-1051 lbs
								43-46	0.08	-771 lbs	-771 lbs
								45-48	0.05	-521 lbs	-521 lbs
								47-50	0.03	-264 lbs	-264 lbs
								49-52	0.00	-12 lbs	-12 lbs
								51-54	0.02	249 lbs	-188 lbs
								5-53	0.04	524 lbs	-395 lbs
								55-57	0.02	280 lbs	-175 lbs
								56-58	0.04	709 lbs	-432 lbs

TRUSS TS02 (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 :	0.85 (38 - 40)	TL(V): 1.24 in.	L / 372	(40-42)	L / 90
BC :	0.67 (66 - 14)	LL(V): 0.82 in.	L / 558	(40-42)	L / 90
Web :	0.62 (3 - 22)	DL(V): 0.41 in.	L / 999	(39-41)	L / 0
		Cant / OH TL: 0.82 in.	2L / 577	(40-42)	2L / 90
		Cant / OH LL: 0.82 in.	2L / 577	(40-42)	2L / 90
		Horiz TL: -0.26 in.		1	
		Web :			
		Snow/Wind -0.97 in.	L / 474	(40-42)	L / 90
		Cant (Snow/Wind) -0.97 in.	L / 490	(40-42)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
13	HRoll		0 lbs	2500 lbs	0 lbs	-1410 lbs	0 lbs
14	Fixed		-40 lbs	2560 lbs	0 lbs	-1500 lbs	-40 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
4-1-8	52-7-0

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

Material Design Pass

Member Forces Summary

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

Top Chord

11-61	0.70	-4789 lbs	-4789 lbs
61-63	0.66	-4789 lbs	-4789 lbs
63-65	0.45	-3688 lbs	-3688 lbs
65-67	0.75	-2559 lbs	-2559 lbs
67-68	0.69	-1752 lbs	-1752 lbs
12-68	0.58	116 lbs	-36 lbs
10-24	0.65	-5618 lbs	-5618 lbs
24-26	0.76	-6743 lbs	-6743 lbs
26-28	0.76	-7714 lbs	-7714 lbs
28-30	0.80	-8556 lbs	-8556 lbs
30-32	0.82	-9264 lbs	-9264 lbs
32-34	0.84	-9840 lbs	-9840 lbs
34-36	0.84	-10283 lbs	-10283 lbs
36-38	0.85	-10594 lbs	-10594 lbs
38-40	0.85	-10771 lbs	-10771 lbs
40-42	0.84	-10816 lbs	-10816 lbs
42-44	0.85	-10816 lbs	-10816 lbs
44-46	0.85	-10728 lbs	-10728 lbs
46-48	0.85	-10507 lbs	-10507 lbs
48-50	0.84	-10153 lbs	-10153 lbs
50-52	0.83	-9667 lbs	-9667 lbs
52-54	0.81	-9048 lbs	-9048 lbs
54-56	0.79	-8295 lbs	-8295 lbs
56-58	0.75	-7410 lbs	-7410 lbs
58-60	0.75	-6395 lbs	-6395 lbs
11-60	0.63	-5227 lbs	-5227 lbs
9-15	0.24	67 lbs	0 lbs
15-17	0.77	-2409 lbs	-2409 lbs
17-19	0.50	-2987 lbs	-2987 lbs
19-21	0.40	-4176 lbs	-4176 lbs
21-22	0.66	-5252 lbs	-5252 lbs
10-22	0.75	-5252 lbs	-5252 lbs

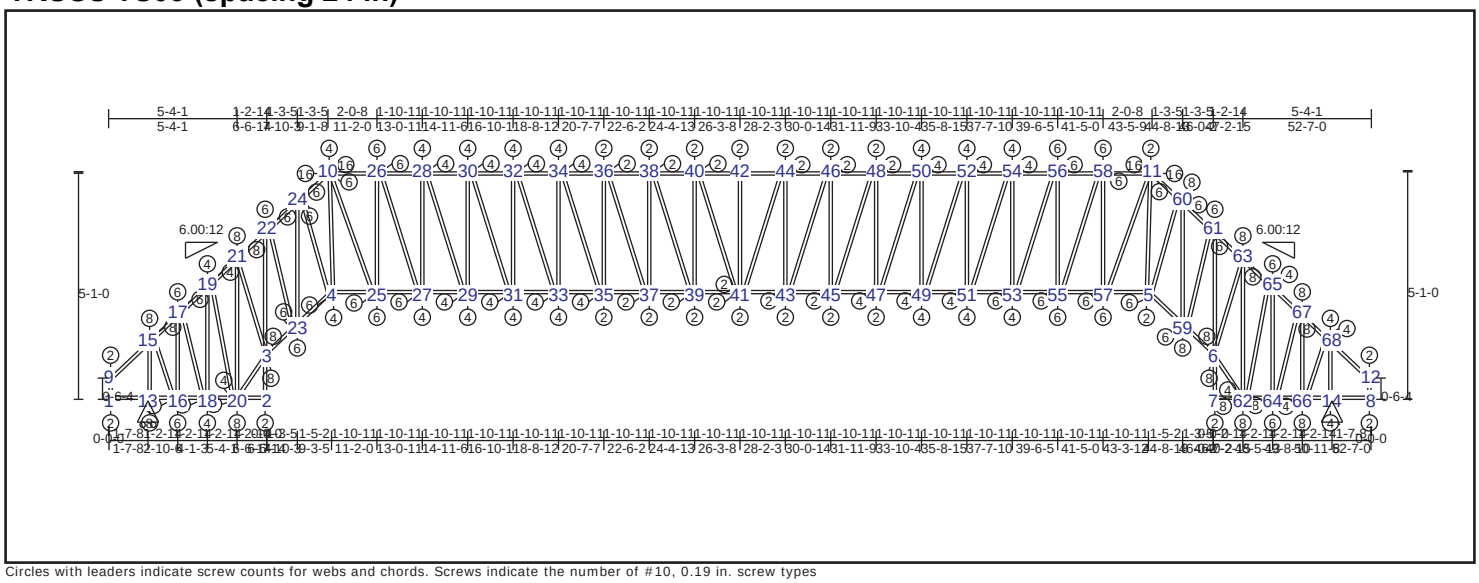
Bot Chd

1-13	0.10	0 lbs	0 lbs
13-16	0.62	1398 lbs	-863 lbs
16-18	0.62	2169 lbs	-1412 lbs
18-20	0.37	2499 lbs	-1653 lbs
2-20	0.21	2499 lbs	-1653 lbs
3-4	0.61	4368 lbs	-2930 lbs
5-6	0.62	3878 lbs	-2783 lbs
7-62	0.29	2079 lbs	-1509 lbs
62-64	0.50	2079 lbs	-1509 lbs
64-66	0.67	1638 lbs	-1198 lbs
14-66	0.67	521 lbs	-394 lbs
8-14	0.37	0 lbs	0 lbs
4-23	0.53	5557 lbs	-3852 lbs
23-25	0.60	6682 lbs	-4704 lbs
25-27	0.60	7653 lbs	-5441 lbs
27-29	0.62	8495 lbs	-6082 lbs
29-31	0.65	9204 lbs	-6623 lbs
31-33	0.66	9780 lbs	-7064 lbs
33-35	0.67	10223 lbs	-7406 lbs
35-37	0.67	10534 lbs	-7648 lbs
37-39	0.67	10711 lbs	-7791 lbs
39-41	0.66	10755 lbs	-7833 lbs
41-43	0.66	10755 lbs	-7833 lbs
43-45	0.67	10668 lbs	-7778 lbs
45-47	0.67	10447 lbs	-7622 lbs
47-49	0.67	10093 lbs	-7367 lbs
49-51	0.66	9606 lbs	-7012 lbs
51-53	0.65	8987 lbs	-6558 lbs
53-55	0.62	8235 lbs	-6004 lbs
55-57	0.59	7350 lbs	-5351 lbs
57-59	0.67	6335 lbs	-4600 lbs
5-59	0.53	5167 lbs	-3735 lbs

Web

1-9	0.00	45 lbs	0 lbs
16-17	0.18	-2380 lbs	-2380 lbs
18-19	0.13	-1500 lbs	-1500 lbs
20-21	0.26	-2761 lbs	-2761 lbs
2-3	0.60	2010 lbs	-1330 lbs
3-22	0.62	-2432 lbs	-2432 lbs
23-24	0.18	-2003 lbs	-2003 lbs
25-26	0.16	-1822 lbs	-1822 lbs
27-28	0.14	-1588 lbs	-1588 lbs
29-30	0.12	-1369 lbs	-1369 lbs
31-32	0.10	-1145 lbs	-1145 lbs
33-34	0.08	-923 lbs	-923 lbs
35-36	0.06	-700 lbs	-700 lbs
37-38	0.04	-479 lbs	-479 lbs
39-40	0.02	-248 lbs	-248 lbs
41-42	0.01	-168 lbs	-168 lbs
43-44	0.03	-325 lbs	-325 lbs
45-46	0.05	-551 lbs	-551 lbs
47-48	0.07	-773 lbs	-773 lbs
49-50	0.09	-996 lbs	-996 lbs
51-52	0.11	-1218 lbs	-1218 lbs
53-54	0.13	-1442 lbs	-1442 lbs
55-56	0.15	-1660 lbs	-1660 lbs
57-58	0.17	-1898 lbs	-1898 lbs
59-60	0.18	-2062 lbs	-2062 lbs
6-7	0.50	1723 lbs	-1242 lbs
6-61	0.52	-2488 lbs	-2488 lbs
62-63	0.26	-2745 lbs	-2745 lbs
64-65	0.18	-2068 lbs	-2068 lbs
66-67	0.20	-2630 lbs	-2630 lbs
8-12	0.01	148 lbs	-80 lbs
13-15	0.19	-2680 lbs	-2680 lbs
14-68	0.10	-1423 lbs	-1423 lbs
4-10	0.02	228 lbs	-218 lbs
5-11	0.04	-488 lbs	-488 lbs
6-63	0.15	2547 lbs	-1797 lbs
3-21	0.15	2549 lbs	-1755 lbs
3-20	0.16	3184 lbs	-2107 lbs
6-62	0.14	2671 lbs	-1935 lbs
15-16	0.13	2652 lbs	-1636 lbs
17-18	0.11	1834 lbs	-1308 lbs
19-20	0.06	997 lbs	-727 lbs
24-25	0.16	2196 lbs	-1664 lbs
26-27	0.14	1895 lbs	-1439 lbs
28-29	0.12	1644 lbs	-1251 lbs
30-31	0.10	1383 lbs	-1055 lbs
32-33	0.08	1124 lbs	-861 lbs
34-35	0.06	865 lbs	-667 lbs
36-37	0.05	606 lbs	-473 lbs
38-39	0.03	346 lbs	-279 lbs
40-41	0.01	87 lbs	-83 lbs
41-44	0.01	171 lbs	-108 lbs
43-46	0.03	431 lbs	-304 lbs
45-48	0.05	690 lbs	-498 lbs
47-50	0.07	950 lbs	-692 lbs
49-52	0.08	1209 lbs	-887 lbs
51-54	0.10	1468 lbs	-1081 lbs
53-56	0.12	1728 lbs	-1276 lbs
55-58	0.14	1981 lbs	-1464 lbs
57-60	0.16	2281 lbs	-1689 lbs
62-65	0.08	1332 lbs	-938 lbs
64-67	0.15	2658 lbs	-1913 lbs
66-68	0.05	988 lbs	-666 lbs
4-22	0.14	2416 lbs	-1687 lbs
10-23	0.17	2332 lbs	-1769 lbs
11-59	0.18	2422 lbs	-1795 lbs
5-61	0.15	2431 lbs	-1698 lbs

TRUSS TS03 (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 :	0.85 (38 - 40)	TL(V): 1.24 in.	L / 331	(40-42)	L / 90
BC :	0.85 (66 - 14)	LL(V): 0.83 in.	L / 497	(40-42)	L / 90
Web :	0.65 (3 - 22)	DL(V): 0.42 in.	L / 981	(39-41)	L / 0
		Cant / OH TL: 0.83 in.	2L / 574	(40-42)	2L / 90
		Cant / OH LL: 0.83 in.	2L / 574	(40-42)	2L / 90
		Horiz TL: -0.37 in.		1	
		Web :			
		Snow/Wind -0.96 in.	L / 429	(40-42)	L / 90
		Cant (Snow/Wind) -0.96 in.	L / 495	(40-42)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
13	HRoll		0 lbs	2510 lbs	0 lbs	-1360 lbs	0 lbs
14	Fixed		-70 lbs	2570 lbs	0 lbs	-1490 lbs	-70 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
5-1-8	52-7-0

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

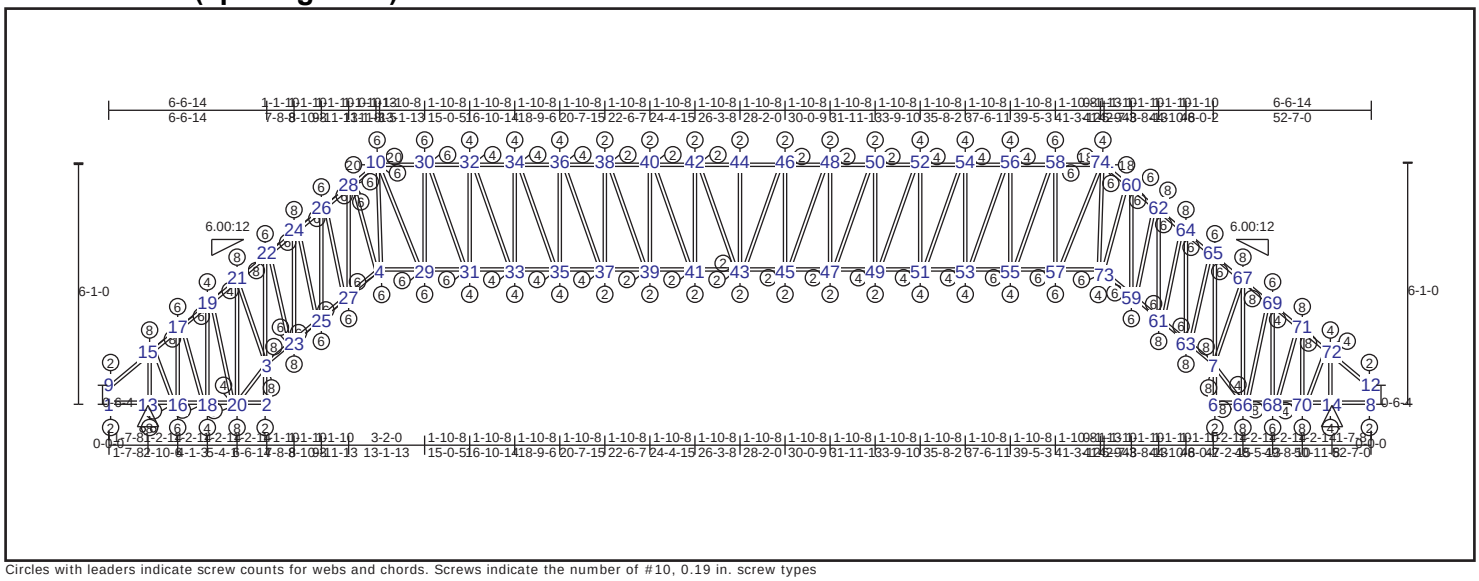
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
9-15	0.24	67 lbs	0 lbs	1-13	0.10	0 lbs	0 lbs	1-9	0.00	46 lbs	0 lbs	14-68	0.10	-1402 lbs	-1402 lbs
15-17	0.77	-2414 lbs	-2414 lbs	13-16	0.62	1401 lbs	-834 lbs	16-17	0.18	-2385 lbs	-2385 lbs	4-10	0.05	933 lbs	-558 lbs
17-19	0.50	-2993 lbs	-2993 lbs	16-18	0.62	2173 lbs	-1368 lbs	18-19	0.13	-1502 lbs	-1502 lbs	5-11	0.05	657 lbs	-519 lbs
19-21	0.40	-4164 lbs	-4164 lbs	18-20	0.37	2504 lbs	-1602 lbs	20-21	0.26	-2724 lbs	-2724 lbs	3-21	0.14	2519 lbs	-1672 lbs
21-22	0.66	-5178 lbs	-5178 lbs	2-20	0.21	2504 lbs	-1602 lbs	2-3	0.60	1972 lbs	-1259 lbs	3-20	0.16	3122 lbs	-1994 lbs
22-24	0.73	-6118 lbs	-6118 lbs	7-62	0.29	2076 lbs	-1522 lbs	3-22	0.65	-2306 lbs	-2306 lbs	6-62	0.14	2591 lbs	-1899 lbs
10-24	0.79	-6161 lbs	-6161 lbs	62-64	0.50	2076 lbs	-1522 lbs	23-24	0.21	-2397 lbs	-2397 lbs	6-63	0.15	2503 lbs	-1774 lbs
10-26	0.72	-6774 lbs	-6774 lbs	64-66	0.85	1631 lbs	-1212 lbs	25-26	0.16	-1824 lbs	-1824 lbs	15-16	0.13	2657 lbs	-1583 lbs
26-28	0.77	-7755 lbs	-7755 lbs	14-66	0.85	505 lbs	-410 lbs	27-28	0.14	-1578 lbs	-1578 lbs	17-18	0.10	1838 lbs	-1271 lbs
28-30	0.80	-8582 lbs	-8582 lbs	8-14	0.37	0 lbs	0 lbs	29-30	0.12	-1362 lbs	-1362 lbs	19-20	0.06	999 lbs	-704 lbs
30-32	0.82	-9283 lbs	-9283 lbs	5-59	0.61	4871 lbs	-3483 lbs	31-32	0.10	-1140 lbs	-1140 lbs	22-23	0.12	2071 lbs	-1404 lbs
32-34	0.84	-9851 lbs	-9851 lbs	6-59	0.55	3795 lbs	-2743 lbs	33-34	0.08	-918 lbs	-918 lbs	26-27	0.14	1925 lbs	-1474 lbs
34-36	0.84	-10289 lbs	-10289 lbs	3-23	0.53	4294 lbs	-2780 lbs	35-36	0.06	-696 lbs	-696 lbs	28-29	0.12	1623 lbs	-1249 lbs
36-38	0.85	-10595 lbs	-10595 lbs	4-23	0.62	5334 lbs	-3487 lbs	37-38	0.04	-476 lbs	-476 lbs	30-31	0.10	1376 lbs	-1063 lbs
38-40	0.85	-10770 lbs	-10770 lbs	4-25	0.58	6696 lbs	-4533 lbs	39-40	0.02	-246 lbs	-246 lbs	32-33	0.08	1116 lbs	-869 lbs
40-42	0.84	-10813 lbs	-10813 lbs	25-27	0.61	7677 lbs	-5284 lbs	41-42	0.01	-167 lbs	-167 lbs	34-35	0.06	858 lbs	-676 lbs
42-44	0.85	-10813 lbs	-10813 lbs	27-29	0.61	8504 lbs	-5921 lbs	43-44	0.03	-325 lbs	-325 lbs	36-37	0.05	601 lbs	-483 lbs
44-46	0.85	-10726 lbs	-10726 lbs	29-31	0.63	9205 lbs	-6462 lbs	45-46	0.05	-549 lbs	-549 lbs	38-39	0.03	343 lbs	-290 lbs
46-48	0.85	-10507 lbs	-10507 lbs	31-33	0.65	9774 lbs	-6905 lbs	47-48	0.07	-770 lbs	-770 lbs	40-41	0.01	-95 lbs	-95 lbs
48-50	0.84	-10157 lbs	-10157 lbs	33-35	0.66	10211 lbs	-7249 lbs	49-50	0.09	-992 lbs	-992 lbs	41-44	0.01	171 lbs	-107 lbs
50-52	0.83	-9675 lbs	-9675 lbs	35-37	0.66	10518 lbs	-7496 lbs	51-52	0.11	-1214 lbs	-1214 lbs	43-46	0.03	430 lbs	-289 lbs
52-54	0.82	-9062 lbs	-9062 lbs	37-39	0.66	10692 lbs	-7643 lbs	53-54	0.13	-1435 lbs	-1435 lbs	45-48	0.05	687 lbs	-482 lbs
54-56	0.79	-8317 lbs	-8317 lbs	39-41	0.65	10736 lbs	-7692 lbs	55-56	0.15	-1655 lbs	-1655 lbs	47-50	0.06	945 lbs	-675 lbs
56-58	0.77	-7446 lbs	-7446 lbs	41-43	0.65	10736 lbs	-7692 lbs	57-58	0.17	-1885 lbs	-1885 lbs	49-52	0.08	1202 lbs	-868 lbs
11-58	0.70	-6421 lbs	-6421 lbs	43-45	0.66	10648 lbs	-7644 lbs	59-60	0.22	-2481 lbs	-2481 lbs	51-54	0.10	1462 lbs	-1062 lbs
11-60	0.76	-5726 lbs	-5726 lbs	45-47	0.66	10429 lbs	-7496 lbs	6-7	0.50	1675 lbs	-1220 lbs	53-56	0.12	1710 lbs	-1248 lbs
60-61	0.72	-5681 lbs	-5681 lbs	47-49	0.66	10079 lbs	-7250 lbs	6-61	0.55	-2371 lbs	-2371 lbs	55-58	0.14	2012 lbs	-1474 lbs
61-63	0.64	-4706 lbs	-4706 lbs	49-51	0.65	9598 lbs	-6906 lbs	62-63	0.26	-2706 lbs	-2706 lbs	59-61	0.12	2133 lbs	-1472 lbs
63-65	0.45	-3665 lbs	-3665 lbs	51-53	0.63	8985 lbs	-6464 lbs	64-65	0.18	-2082 lbs	-2082 lbs				
65-67	0.76	-2556 lbs	-2556 lbs	53-55	0.61	8240 lbs	-5923 lbs	66-67	0.20	-2640 lbs	-2640 lbs				
				55-57	0.61	7369 lbs	-5287 lbs	8-12	0.01	150 lbs	-81 lbs				
				5-57	0.58	6344 lbs	-4536 lbs	13-15	0.20	-2685 lbs	-2685 lbs				

TRUSS TS04 (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 (28 - 10)	TL(V): 1.28 in.	L / 285	(42-44)	L / 90
BC :	0.86 (70 - 14)	LL(V): 0.85 in.	L / 430	(42-44)	L / 90
Web :	0.65 (3 - 22)	DL(V): 0.43 in.	L / 840	(41-43)	L / 0
		Cant / OH TL: 0.85 in.	2L / 561	(42-44)	2L / 90
		Cant / OH LL: 0.85 in.	2L / 561	(42-44)	2L / 90
		Horiz TL: -0.47 in.		1	
		Web :			
		Snow/Wind -0.96 in.	L / 379	(42-44)	L / 90
		Cant (Snow/Wind) -0.96 in.	L / 495	(42-44)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
13	HRoll		0 lbs	2510 lbs	0 lbs	-1320 lbs	0 lbs
14	Fixed		-100 lbs	2580 lbs	0 lbs	-1470 lbs	-100 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-1-8	52-7-0

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

Material Design Pass

Member Forces Summary

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

Top Chord

11-60	0.88	-7088 lbs	-7088 lbs
60-62	0.78	-7088 lbs	-7088 lbs
62-64	0.77	-6398 lbs	-6398 lbs
64-65	0.73	-5640 lbs	-5640 lbs
65-67	0.64	-4720 lbs	-4720 lbs
67-69	0.45	-3664 lbs	-3664 lbs
69-71	0.77	-2551 lbs	-2551 lbs
71-72	0.71	-1731 lbs	-1731 lbs
12-72	0.59	118 lbs	-36 lbs
10-30	0.85	-7779 lbs	-7779 lbs
30-32	0.79	-8616 lbs	-8616 lbs
32-34	0.82	-9301 lbs	-9301 lbs
34-36	0.84	-9862 lbs	-9862 lbs
36-38	0.84	-10292 lbs	-10292 lbs
38-40	0.85	-10593 lbs	-10593 lbs
40-42	0.85	-10765 lbs	-10765 lbs
42-44	0.84	-10807 lbs	-10807 lbs
44-46	0.85	-10807 lbs	-10807 lbs
46-48	0.85	-10720 lbs	-10720 lbs
48-50	0.85	-10504 lbs	-10504 lbs
50-52	0.84	-10158 lbs	-10158 lbs
52-54	0.83	-9683 lbs	-9683 lbs
54-56	0.82	-9077 lbs	-9077 lbs
56-58	0.78	-8347 lbs	-8347 lbs
11-58	0.81	-7466 lbs	-7466 lbs
19-21	0.40	-4175 lbs	-4175 lbs
21-22	0.66	-5204 lbs	-5204 lbs
22-24	0.75	-6090 lbs	-6090 lbs
24-26	0.79	-6819 lbs	-6819 lbs
26-28	0.80	-7479 lbs	-7479 lbs
10-28	0.90	-7479 lbs	-7479 lbs

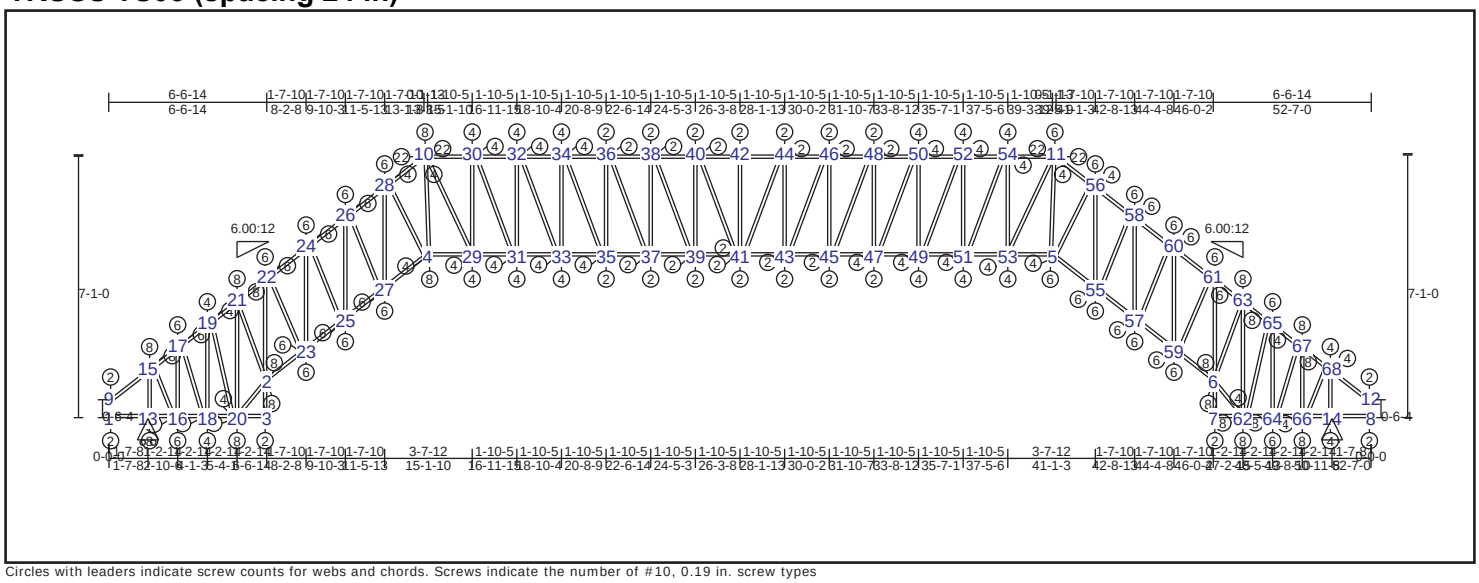
Bot Chord

1-13	0.10	0 lbs	0 lbs
13-16	0.62	1404 lbs	-808 lbs
16-18	0.62	2178 lbs	-1327 lbs
18-20	0.37	2509 lbs	-1553 lbs
2-20	0.21	2509 lbs	-1553 lbs
3-23	0.55	4318 lbs	-2705 lbs
23-25	0.60	5247 lbs	-3314 lbs
25-27	0.56	6018 lbs	-3824 lbs
4-27	0.65	6721 lbs	-4295 lbs
6-66	0.29	2071 lbs	-1531 lbs
66-68	0.50	2071 lbs	-1531 lbs
68-70	0.86	1622 lbs	-1223 lbs
14-70	0.86	487 lbs	-423 lbs
8-14	0.38	0 lbs	0 lbs
4-29	0.62	7685 lbs	-5073 lbs
29-31	0.62	8522 lbs	-5725 lbs
31-33	0.62	9206 lbs	-6263 lbs
33-35	0.64	9767 lbs	-6709 lbs
35-37	0.65	10197 lbs	-7056 lbs
37-39	0.65	10499 lbs	-7307 lbs
39-41	0.65	10670 lbs	-7462 lbs
41-43	0.64	10712 lbs	-7518 lbs
43-45	0.63	10712 lbs	-7518 lbs
45-47	0.65	10626 lbs	-7479 lbs
47-49	0.65	10409 lbs	-7342 lbs
49-51	0.65	10063 lbs	-7108 lbs
51-53	0.64	9588 lbs	-6778 lbs
53-55	0.63	8982 lbs	-6349 lbs
55-57	0.62	8253 lbs	-5828 lbs
5-57	0.62	7371 lbs	-5194 lbs
5-59	0.64	6302 lbs	-4451 lbs

Web

1-9	0.00	47 lbs	0 lbs
16-17	0.18	-2389 lbs	-2389 lbs
18-19	0.13	-1506 lbs	-1506 lbs
20-21	0.26	-2736 lbs	-2736 lbs
2-3	0.60	1981 lbs	-1225 lbs
3-22	0.65	-2338 lbs	-2338 lbs
23-24	0.23	-2569 lbs	-2569 lbs
25-26	0.21	-2375 lbs	-2375 lbs
27-28	0.19	-2151 lbs	-2151 lbs
29-30	0.14	-1630 lbs	-1630 lbs
31-32	0.12	-1338 lbs	-1338 lbs
33-34	0.10	-1134 lbs	-1134 lbs
35-36	0.08	-911 lbs	-911 lbs
37-38	0.06	-691 lbs	-691 lbs
39-40	0.04	-472 lbs	-472 lbs
41-42	0.02	245 lbs	-243 lbs
43-44	0.01	-166 lbs	-166 lbs
45-46	0.03	-324 lbs	-324 lbs
47-48	0.05	-547 lbs	-547 lbs
49-50	0.07	-767 lbs	-767 lbs
51-52	0.09	-988 lbs	-988 lbs
53-54	0.11	-1210 lbs	-1210 lbs
55-56	0.12	-1418 lbs	-1418 lbs
57-58	0.15	-1694 lbs	-1694 lbs
59-60	0.20	-2242 lbs	-2242 lbs
61-62	0.22	-2467 lbs	-2467 lbs
63-64	0.24	-2659 lbs	-2659 lbs
68-69	0.18	-2100 lbs	-2100 lbs
70-71	0.20	-2651 lbs	-2651 lbs
8-12	0.01	154 lbs	-81 lbs
13-15	0.20	-2690 lbs	-2690 lbs
14-72	0.10	-1375 lbs	-1375 lbs
3-20	0.16	3137 lbs	-1940 lbs
3-21	0.14	2529 lbs	-1622 lbs
4-10	0.09	1712 lbs	-1020 lbs
5-11	0.10	1455 lbs	-1101 lbs
6-7	0.50	1677 lbs	-1232 lbs
7-65	0.54	-2401 lbs	-2401 lbs
66-67	0.26	-2717 lbs	-2717 lbs
7-66	0.14	2594 lbs	-1918 lbs
7-67	0.15	2514 lbs	-1781 lbs
15-16	0.13	2662 lbs	-1532 lbs
17-18	0.10	1842 lbs	-1236 lbs
19-20	0.06	1001 lbs	-683 lbs
22-23	0.12	2161 lbs	-1410 lbs
24-25	0.12	2227 lbs	-1471 lbs
26-27	0.11	1990 lbs	-1332 lbs
30-31	0.12	1653 lbs	-1288 lbs
32-33	0.10	1352 lbs	-1064 lbs
34-35	0.08	1109 lbs	-880 lbs
36-37	0.07	850 lbs	-687 lbs
38-39	0.05	595 lbs	-496 lbs
40-41	0.03	339 lbs	-304 lbs
42-43	0.01	-111 lbs	-111 lbs
43-46	0.01	171 lbs	-123 lbs
45-48	0.03	428 lbs	-270 lbs
47-50	0.04	683 lbs	-462 lbs
49-52	0.06	938 lbs	-653 lbs
51-54	0.08	1197 lbs	-846 lbs
53-56	0.10	1441 lbs	-1029 lbs
55-58	0.12	1742 lbs	-1254 lbs

TRUSS TS05 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.97 (10 - 30)	TL(V): 1.28 in.	L / 246	(40-42)	L / 90
BC :	0.87 (66 - 14)	LL(V): 0.85 in.	L / 372	(40-42)	L / 90
Web :	0.66 (2 - 22)	DL(V): 0.44 in.	L / 719	(39-41)	L / 0
		Cant / OH TL: 0.85 in.	2L / 559	(40-42)	2L / 90
		Cant / OH LL: 0.85 in.	2L / 559	(40-42)	2L / 90
		Horiz TL: -0.56 in.		1	
		Web :			
		Snow/Wind -0.94 in.	L / 336	(40-42)	L / 90
		Cant (Snow/Wind) -0.94 in.	L / 505	(40-42)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
13	HRoll		0 lbs	2520 lbs	0 lbs	-1270 lbs	0 lbs
14	Fixed		-120 lbs	2580 lbs	0 lbs	-1460 lbs	-120 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-1-14	52-7-0

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

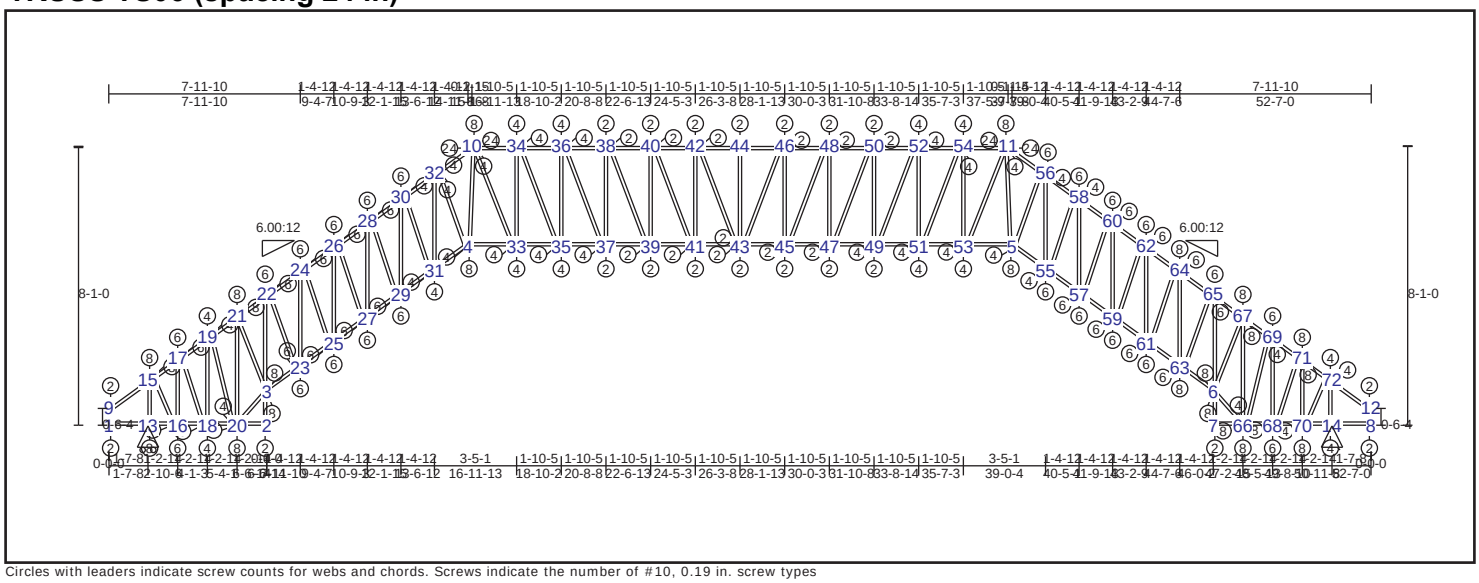
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
11-56	0.84	-8206 lbs	-8206 lbs	1-13	0.10	0 lbs	0 lbs	1-9	0.00	49 lbs	0 lbs	66-67	0.21	-2663 lbs	-2663 lbs
56-58	0.79	-7927 lbs	-7927 lbs	13-16	0.62	1406 lbs	-783 lbs	16-17	0.19	-2394 lbs	-2394 lbs	8-12	0.01	157 lbs	-81 lbs
58-60	0.78	-6987 lbs	-6987 lbs	16-18	0.62	2182 lbs	-1289 lbs	18-19	0.13	-1508 lbs	-1508 lbs	13-15	0.20	-2695 lbs	-2695 lbs
60-61	0.74	-5920 lbs	-5920 lbs	18-20	0.37	2514 lbs	-1508 lbs	20-21	0.26	-2728 lbs	-2728 lbs	14-68	0.10	-1345 lbs	-1345 lbs
61-63	0.65	-4677 lbs	-4677 lbs	3-20	0.21	2514 lbs	-1508 lbs	2-3	0.61	1972 lbs	-1180 lbs	2-21	0.13	2525 lbs	-1566 lbs
63-65	0.46	-3651 lbs	-3651 lbs	2-23	0.51	4534 lbs	-2754 lbs	2-22	0.66	-2269 lbs	-2269 lbs	2-20	0.16	3123 lbs	-1869 lbs
65-67	0.78	-2545 lbs	-2545 lbs	23-25	0.59	5724 lbs	-3508 lbs	23-24	0.20	-2247 lbs	-2247 lbs	4-10	0.14	2608 lbs	-1567 lbs
67-68	0.72	-1717 lbs	-1717 lbs	25-27	0.59	6785 lbs	-4190 lbs	25-26	0.18	-2009 lbs	-2009 lbs	10-29	0.11	1433 lbs	-1153 lbs
12-68	0.60	120 lbs	-36 lbs	4-27	0.64	7860 lbs	-4894 lbs	27-28	0.16	-1773 lbs	-1773 lbs	5-11	0.15	2372 lbs	-1737 lbs
10-30	0.97	-8676 lbs	-8676 lbs	5-55	0.63	7481 lbs	-5199 lbs	29-30	0.12	-1361 lbs	-1361 lbs	11-53	0.11	1531 lbs	-1083 lbs
30-32	0.82	-9319 lbs	-9319 lbs	55-57	0.58	6357 lbs	-4488 lbs	31-32	0.10	-1104 lbs	-1104 lbs	6-63	0.15	2507 lbs	-1775 lbs
32-34	0.85	-9873 lbs	-9873 lbs	57-59	0.58	5251 lbs	-3759 lbs	33-34	0.08	-909 lbs	-909 lbs	6-62	0.14	2561 lbs	-1910 lbs
34-36	0.84	-10294 lbs	-10294 lbs	6-59	0.53	4017 lbs	-2920 lbs	35-36	0.06	-683 lbs	-683 lbs	15-16	0.13	2668 lbs	-1485 lbs
36-38	0.85	-10589 lbs	-10589 lbs	7-62	0.30	2064 lbs	-1537 lbs	37-38	0.04	-468 lbs	-468 lbs	17-18	0.10	1845 lbs	-1203 lbs
38-40	0.85	-10756 lbs	-10756 lbs	62-64	0.51	2064 lbs	-1537 lbs	39-40	0.02	262 lbs	-239 lbs	19-20	0.06	1003 lbs	-662 lbs
40-42	0.84	-10797 lbs	-10797 lbs	64-66	0.87	1611 lbs	-1232 lbs	41-42	0.01	-164 lbs	-164 lbs	22-23	0.10	1964 lbs	-1239 lbs
42-44	0.84	-10797 lbs	-10797 lbs	14-66	0.87	465 lbs	-435 lbs	43-44	0.03	-323 lbs	-323 lbs	24-25	0.10	1869 lbs	-1196 lbs
44-46	0.85	-10711 lbs	-10711 lbs	8-14	0.39	0 lbs	0 lbs	45-46	0.05	-545 lbs	-545 lbs	26-27	0.09	1644 lbs	-1069 lbs
46-48	0.85	-10498 lbs	-10498 lbs	4-29	0.76	8564 lbs	-5510 lbs	47-48	0.07	-762 lbs	-762 lbs	30-31	0.10	1281 lbs	-1025 lbs
48-50	0.84	-10157 lbs	-10157 lbs	29-31	0.61	9207 lbs	-6024 lbs	49-50	0.09	-987 lbs	-987 lbs	32-33	0.09	1105 lbs	-901 lbs
50-52	0.84	-9691 lbs	-9691 lbs	31-33	0.62	9762 lbs	-6476 lbs	51-52	0.10	-1186 lbs	-1186 lbs	34-35	0.07	838 lbs	-699 lbs
52-54	0.81	-9090 lbs	-9090 lbs	33-35	0.63	10182 lbs	-6827 lbs	53-54	0.12	-1424 lbs	-1424 lbs	36-37	0.05	588 lbs	-512 lbs
11-54	0.93	-8414 lbs	-8414 lbs	35-37	0.63	10477 lbs	-7084 lbs	55-56	0.16	-1855 lbs	-1855 lbs	38-39	0.03	334 lbs	-322 lbs
9-15	0.25	68 lbs	0 lbs	37-39	0.63	10645 lbs	-7246 lbs	57-58	0.19	-2092 lbs	-2092 lbs	40-41	0.01	-130 lbs	-130 lbs
15-17	0.77	-2423 lbs	-2423 lbs	39-41	0.62	10685 lbs	-7311 lbs	59-60	0.21	-2330 lbs	-2330 lbs	41-44	0.01	171 lbs	-143 lbs
17-19	0.50	-3005 lbs	-3005 lbs	41-43	0.62	10685 lbs	-7311 lbs	6-7	0.50	1658 lbs	-1226 lbs	43-46	0.03	425 lbs	-266 lbs
19-21	0.40	-4177 lbs	-4177 lbs	43-45	0.63	10600 lbs	-7283 lbs	6-61	0.55	-2339 lbs	-2339 lbs				
21-22	0.67	-5174 lbs	-5174 lbs	45-47	0.63	10386 lbs	-7160 lbs	62-63	0.26	-2706 lbs	-2706 lbs				
22-24	0.76	-6372 lbs	-6372 lbs	47-49	0.63	10046 lbs	-6940 lbs	64-65	0.18	-2118 lbs	-2118 lbs				
24-26	0.79	-7394 lbs	-7394 lbs												

TRUSS TS06 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.99 (10 - 34)	TL(V): 1.24 in.	L / 217	(42-44)	L / 90
BC :	0.91 (70 - 14)	LL(V): 0.81 in.	L / 329	(42-44)	L / 90
Web :	0.66 (3 - 22)	DL(V): 0.42 in.	L / 647	(41-43)	L / 0
		Cant / OH TL: 0.81 in.	2L / 583	(42-44)	2L / 90
		Cant / OH LL: 0.81 in.	2L / 583	(42-44)	2L / 90
		Horiz TL: -0.61 in.		1	
		Web :			
		Snow/Wind -0.88 in.	L / 311	43	L / 90
		Cant (Snow/Wind) -0.88 in.	L / 547	43	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
13	HRoll		0 lbs	2520 lbs	0 lbs	-1240 lbs	0 lbs
14	Fixed		-150 lbs	2580 lbs	0 lbs	-1430 lbs	-150 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-1-8	52-7-0

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

Material Design Pass

Member Forces Summary

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

Top Chord

9-15	0.25	68 lbs	0 lbs
15-17	0.77	-2429 lbs	-2429 lbs
17-19	0.50	-3012 lbs	-3012 lbs
19-21	0.40	-4190 lbs	-4190 lbs
21-22	0.67	-5205 lbs	-5205 lbs
22-24	0.76	-6256 lbs	-6256 lbs
24-26	0.78	-7149 lbs	-7149 lbs
26-28	0.81	-7962 lbs	-7962 lbs
28-30	0.85	-8687 lbs	-8687 lbs
30-32	0.87	-9329 lbs	-9329 lbs
10-32	0.93	-9338 lbs	-9338 lbs
10-34	0.99	-8783 lbs	-8783 lbs
34-36	0.80	-9323 lbs	-9323 lbs
36-38	0.80	-9716 lbs	-9716 lbs
38-40	0.80	-9997 lbs	-9997 lbs
40-42	0.80	-10156 lbs	-10156 lbs
42-44	0.79	-10195 lbs	-10195 lbs
44-46	0.80	-10195 lbs	-10195 lbs
46-48	0.80	-10115 lbs	-10115 lbs
48-50	0.80	-9914 lbs	-9914 lbs
50-52	0.80	-9591 lbs	-9591 lbs
52-54	0.79	-9156 lbs	-9156 lbs
11-54	0.99	-8574 lbs	-8574 lbs
11-56	0.91	-9042 lbs	-9042 lbs
56-58	0.85	-9032 lbs	-9032 lbs
58-60	0.83	-8353 lbs	-8353 lbs
60-62	0.80	-7592 lbs	-7592 lbs
62-64	0.77	-6743 lbs	-6743 lbs
64-65	0.74	-5813 lbs	-5813 lbs
65-67	0.65	-4724 lbs	-4724 lbs
67-69	0.46	-3681 lbs	-3681 lbs
69-71	0.77	-2567 lbs	-2567 lbs

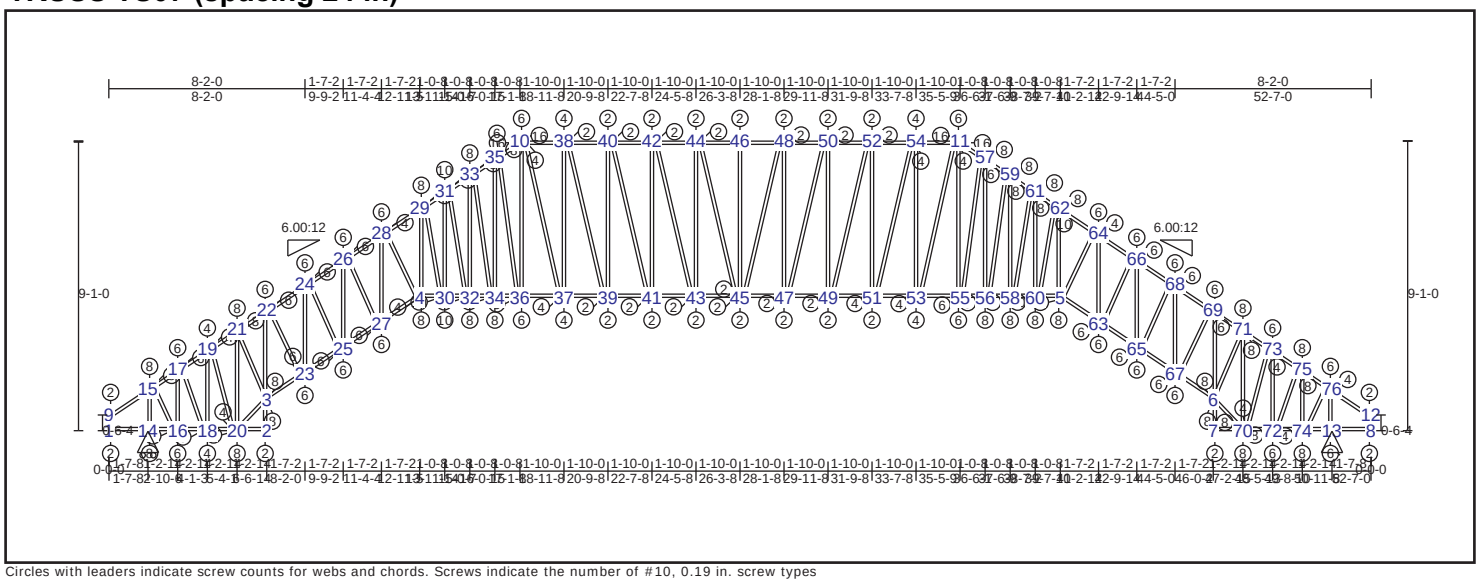
Bot Chd

1-13	0.11	0 lbs	0 lbs
13-16	0.62	1410 lbs	-761 lbs
16-18	0.62	2188 lbs	-1254 lbs
18-20	0.37	2521 lbs	-1468 lbs
2-20	0.21	2521 lbs	-1468 lbs
7-66	0.29	2084 lbs	-1560 lbs
66-68	0.50	2084 lbs	-1560 lbs
68-70	0.86	1635 lbs	-1262 lbs
14-70	0.91	497 lbs	-483 lbs
8-14	0.38	0 lbs	0 lbs
5-55	0.66	8389 lbs	-5730 lbs
55-57	0.59	7643 lbs	-5291 lbs
57-59	0.60	6830 lbs	-4788 lbs
59-61	0.59	5931 lbs	-4210 lbs
61-63	0.59	4949 lbs	-3560 lbs
6-63	0.55	3833 lbs	-2800 lbs
3-23	0.53	4341 lbs	-2553 lbs
23-25	0.59	5420 lbs	-3213 lbs
25-27	0.59	6364 lbs	-3795 lbs
27-29	0.61	7228 lbs	-4331 lbs
29-31	0.60	8004 lbs	-4820 lbs
4-31	0.66	8713 lbs	-5272 lbs
4-33	0.91	8654 lbs	-5397 lbs
33-35	0.62	9195 lbs	-5847 lbs
35-37	0.58	9588 lbs	-6188 lbs
37-39	0.58	9869 lbs	-6444 lbs
39-41	0.58	10027 lbs	-6609 lbs
41-43	0.57	10066 lbs	-6683 lbs
43-45	0.56	10066 lbs	-6683 lbs
45-47	0.57	9986 lbs	-6669 lbs
47-49	0.58	9785 lbs	-6565 lbs

Web

1-9	0.00	49 lbs	0 lbs
16-17	0.19	-2400 lbs	-2400 lbs
18-19	0.13	-1513 lbs	-1513 lbs
20-21	0.26	-2739 lbs	-2739 lbs
2-3	0.61	1981 lbs	-1151 lbs
3-22	0.66	-2311 lbs	-2311 lbs
23-24	0.21	-2395 lbs	-2395 lbs
25-26	0.19	-2179 lbs	-2179 lbs
27-28	0.18	-1989 lbs	-1989 lbs
29-30	0.16	-1787 lbs	-1787 lbs
31-32	0.14	-1593 lbs	-1593 lbs
33-34	0.11	-1244 lbs	-1244 lbs
35-36	0.08	-882 lbs	-882 lbs
37-38	0.06	-691 lbs	-691 lbs
39-40	0.04	-469 lbs	-469 lbs
41-42	0.02	286 lbs	-241 lbs
43-44	0.01	-165 lbs	-165 lbs
45-46	0.03	-322 lbs	-322 lbs
47-48	0.05	-544 lbs	-544 lbs
49-50	0.07	-767 lbs	-767 lbs
51-52	0.09	-960 lbs	-960 lbs
53-54	0.12	-1309 lbs	-1309 lbs
55-56	0.15	-1679 lbs	-1679 lbs
57-58	0.17	-1872 lbs	-1872 lbs
59-60	0.18	-2073 lbs	-2073 lbs
61-62	0.20	-2264 lbs	-2264 lbs
63-64	0.22	-2480 lbs	-2480 lbs
6-7	0.51	1677 lbs	-1245 lbs
6-65	0.55	-2377 lbs	-2377 lbs
66-67	0.26	-2719 lbs	-2719 lbs
68-69	0.18	-2104 lbs	-2104 lbs
14-72	0.10	-1393 lbs	-1393 lbs
6-67	0.15	2519 lbs	-1776 lbs
6-66	0.14	2594 lbs	-1944 lbs
3-21	0.13	2535 lbs	-1524 lbs
3-20	0.16	3136 lbs	-1823 lbs
4-10	0.17	3127 lbs	-1831 lbs
5-11	0.19	2916 lbs	-2112 lbs
15-16	0.13	2675 lbs	-1443 lbs
17-18	0.09	1850 lbs	-1174 lbs
19-20	0.06	1006 lbs	-645 lbs
22-23	0.11	2048 lbs	-1247 lbs
24-25	0.10	2015 lbs	-1240 lbs
26-27	0.09	1813 lbs	-1125 lbs
28-29	0.09	1648 lbs	-1035 lbs
30-31	0.08	1447 lbs	-922 lbs
4-32	0.07	1231 lbs	-796 lbs
10-33	0.09	1141 lbs	-958 lbs
34-35	0.09	1126 lbs	-936 lbs
36-37	0.07	819 lbs	-710 lbs
38-39	0.05	585 lbs	-533 lbs
40-41	0.03	-344 lbs	-344 lbs
42-43	0.02	-154 lbs	-154 lbs
43-46	0.02	167 lbs	-165 lbs
45-48	0.03	418 lbs	-287 lbs
47-50	0.04	672 lbs	-408 lbs
49-52	0.06	906 lbs	-584 lbs
51-54	0.08	1212 lbs	-811 lbs
11-53	0.08	1227 lbs	-833 lbs
5-56	0.07	1297 lbs	-727 lbs
55-58	0.08	1525 lbs	-902 lbs

TRUSS TS07 (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 :	0.92 (29 - 31)	TL(V): 0.72 in.	L / 305	(44-46)	L / 90
BC :	0.80 (74 - 13)	LL(V): 0.48 in.	L / 462	(44-46)	L / 90
Web :	0.67 (3 - 22)	DL(V): 0.25 in.	L / 893	(44-46)	L / 0
		Cant / OH TL: 0.42 in.	2L / 0	4	2L / 90
		Cant / OH LL: 0.42 in.	2L / 0	4	2L / 90
		Horiz TL: -0.39 in.		1	
		Web :			
		Snow/Wind -0.48 in.	L / 670	(43-45)	L / 90
		Cant (Snow/Wind) -0.44 in.	L / 0	4	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
13	Fixed		-180 lbs	2580 lbs	0 lbs	-1230 lbs	-180 lbs
14	HRoll		0 lbs	2530 lbs	0 lbs	-1390 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
9-1-8	52-7-0

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

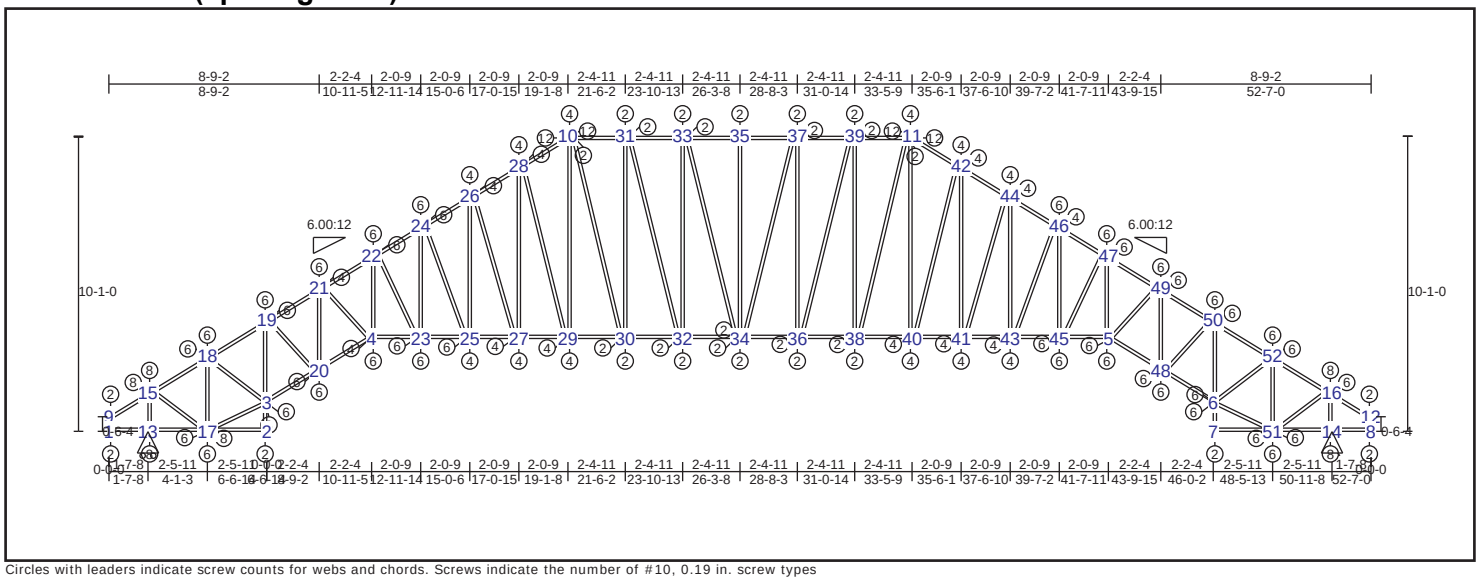
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
9-15	0.25	69 lbs	0 lbs	4-30	0.79	7369 lbs	-4620 lbs	1-9	0.00	56 lbs	0 lbs	6-69	0.59	-2342 lbs	-2342 lbs
15-17	0.78	-2437 lbs	-2437 lbs	30-32	0.78	6597 lbs	-4090 lbs	16-17	0.19	-2407 lbs	-2407 lbs	70-71	0.26	-2734 lbs	-2734 lbs
17-19	0.50	-3022 lbs	-3022 lbs	32-34	0.67	5967 lbs	-3652 lbs	18-19	0.13	-1517 lbs	-1517 lbs	72-73	0.17	-1967 lbs	-1967 lbs
19-21	0.41	-4202 lbs	-4202 lbs	34-36	0.62	5464 lbs	-3297 lbs	20-21	0.26	-2745 lbs	-2745 lbs	74-75	0.20	-2605 lbs	-2605 lbs
21-22	0.67	-5208 lbs	-5208 lbs	36-37	0.60	5348 lbs	-3193 lbs	2-3	0.61	1984 lbs	-1320 lbs	8-12	0.01	123 lbs	-37 lbs
22-24	0.77	-6387 lbs	-6387 lbs	37-39	0.40	5581 lbs	-3337 lbs	3-22	0.67	-2291 lbs	-2291 lbs	14-15	0.20	-2709 lbs	-2709 lbs
24-26	0.78	-7393 lbs	-7393 lbs	39-41	0.35	5739 lbs	-3425 lbs	23-24	0.20	-2286 lbs	-2286 lbs	13-76	0.12	-1716 lbs	-1716 lbs
26-28	0.91	-8308 lbs	-8308 lbs	41-43	0.33	5832 lbs	-3464 lbs	25-26	0.18	-2053 lbs	-2053 lbs	6-71	0.13	2531 lbs	-1474 lbs
28-29	0.92	-8430 lbs	-8430 lbs	43-45	0.30	5856 lbs	-3464 lbs	27-28	0.17	-1876 lbs	-1876 lbs	6-70	0.14	2733 lbs	-1747 lbs
29-31	0.92	-8430 lbs	-8430 lbs	45-47	0.31	5856 lbs	-3451 lbs	4-29	0.19	3151 lbs	-2142 lbs	3-21	0.14	2541 lbs	-1662 lbs
31-33	0.92	-7050 lbs	-7050 lbs	47-49	0.34	5814 lbs	-3389 lbs	30-31	0.23	3369 lbs	-2310 lbs	3-20	0.16	3141 lbs	-2096 lbs
33-35	0.88	-6489 lbs	-6489 lbs	49-51	0.36	5703 lbs	-3275 lbs	32-33	0.23	2924 lbs	-2032 lbs	15-16	0.13	2683 lbs	-1768 lbs
10-35	0.66	-5919 lbs	-5919 lbs	51-53	0.41	5527 lbs	-3113 lbs	34-35	0.24	2620 lbs	-1845 lbs	17-18	0.10	1856 lbs	-1273 lbs
10-38	0.88	-5494 lbs	-5494 lbs	53-55	0.80	5276 lbs	-2894 lbs	10-36	0.21	1973 lbs	-1407 lbs	19-20	0.06	1010 lbs	-665 lbs
38-40	0.59	-5727 lbs	-5727 lbs	55-56	0.59	5351 lbs	-2835 lbs	37-38	0.16	-1106 lbs	-1106 lbs	22-23	0.11	1991 lbs	-1255 lbs
40-42	0.49	-5885 lbs	-5885 lbs	56-58	0.80	5825 lbs	-3085 lbs	39-40	0.10	-654 lbs	-654 lbs	24-25	0.10	1894 lbs	-1147 lbs
42-44	0.49	-5978 lbs	-5978 lbs	58-60	0.80	6416 lbs	-3469 lbs	41-42	0.07	-482 lbs	-482 lbs	26-27	0.09	1736 lbs	-1001 lbs
44-46	0.47	-6002 lbs	-6002 lbs	5-60	0.74	7139 lbs	-3934 lbs	43-44	0.04	-246 lbs	-246 lbs	4-28	0.06	1221 lbs	-626 lbs
46-48	0.47	-6002 lbs	-6002 lbs	3-23	0.52	4525 lbs	-2988 lbs	45-46	0.02	-162 lbs	-162 lbs	29-30	0.32	-3528 lbs	-3528 lbs
48-50	0.49	-5960 lbs	-5960 lbs	23-25	0.59	5694 lbs	-3720 lbs	47-48	0.05	352 lbs	-308 lbs	31-32	0.31	-3041 lbs	-3041 lbs
50-52	0.49	-5849 lbs	-5849 lbs	25-27	0.61	6746 lbs	-4350 lbs	49-50	0.08	-539 lbs	-539 lbs	33-34	0.32	-2791 lbs	-2791 lbs
52-54	0.60	-5673 lbs	-5673 lbs	4-27	0.61	7722 lbs	-4902 lbs	51-52	0.11	-712 lbs	-712 lbs	35-36	0.30	-2225 lbs	-2225 lbs
11-54	0.88	-5421 lbs	-5421 lbs	1-14	0.13	0 lbs	0 lbs	53-54	0.17	-1166 lbs	-1166 lbs	10-37	0.10	953 lbs	-612 lbs
11-57	0.64	-5812 lbs	-5812 lbs	14-16	0.62	1415 lbs	-932 lbs	11-55	0.19	1861 lbs	-1275 lbs	38-39	0.08	787 lbs	-486 lbs
57-59	0.85	-6350 lbs	-6350 lbs	16-18	0.62	2194 lbs	-1467 lbs	56-57	0.21	2469 lbs	-1648 lbs	40-41	0.06	533 lbs	-361 lbs
59-61	0.92	-6878 lbs	-6878 lbs	18-20	0.37	2529 lbs	-1688 lbs	58-59	0.20	2747 lbs	-1799 lbs	42-43	0.04	314 lbs	-259 lbs
61-62	0.92	-8166 lbs	-8166 lbs	2-20	0.21	2529 lbs	-1688 lbs	60-61	0.20	3159 lbs	-2030 lbs	44-45	0.02	-146 lbs	-146 lbs
62-64	0.92	-8166 lbs	-8166 lbs	7-70	0.27	2198 lbs	-1402 lbs	5-62	0.17	2932 lbs	-1867 lbs	45-48	0.03	-208 lbs	-208 lbs
64-66	0.90	-8038 lbs	-8038 lbs	70-72	0.47	2198 lbs	-1402 lbs	63-64	0.17	-1936 lbs	-1936 lbs	47-50	0.06	-385 lbs	-385 lbs
66-68	0.77	-7091 lbs	-7091 lbs	72-74	0.80	1775 lbs	-1178 lbs	65-66	0.19	-2114 lbs	-2114 lbs	49-52	0.09	594 lbs	-548 lbs
68-69	0.76	-6054 lbs	-6054 lbs	13-74	0.80	722 lbs	-584 lbs	67-68	0.21	-2347 lbs	-2347 lbs	51-54	0.12	848 lbs	-736 lbs
69-71	0.65	-4843 lbs	-4843 lbs	8-13	0.30	0 lbs	0 lbs	6-7	0.54	1757 lbs	-1111 lbs	11-53	0.14	1020 lbs	-888 lbs

TRUSS TS08 (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 (19 - 21)	TL(V): 0.45 in.	L / 380	(33-35)	L / 90
BC :	0.97 (51 - 14)	LL(V): 0.3 in.	L / 575	(33-35)	L / 90
Web :	0.56 (3 - 19)	DL(V): 0.15 in.	L / 999	(33-35)	L / 0
		Cant / OH TL: 0.25 in.	2L / 0	4	2L / 90
		Cant / OH LL: 0.25 in.	2L / 0	4	2L / 90
		Horiz TL: -0.23 in.		9	
		Web :			
		Snow/Wind -0.32 in.	L / 543	(35-37)	L / 90
		Cant (Snow/Wind) -0.27 in.	L / 8	5	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
13	HRoll		0 lbs	2540 lbs	0 lbs	-1190 lbs	0 lbs
14	Fixed		-200 lbs	2560 lbs	0 lbs	-1380 lbs	-200 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
10-1-10	52-7-0

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

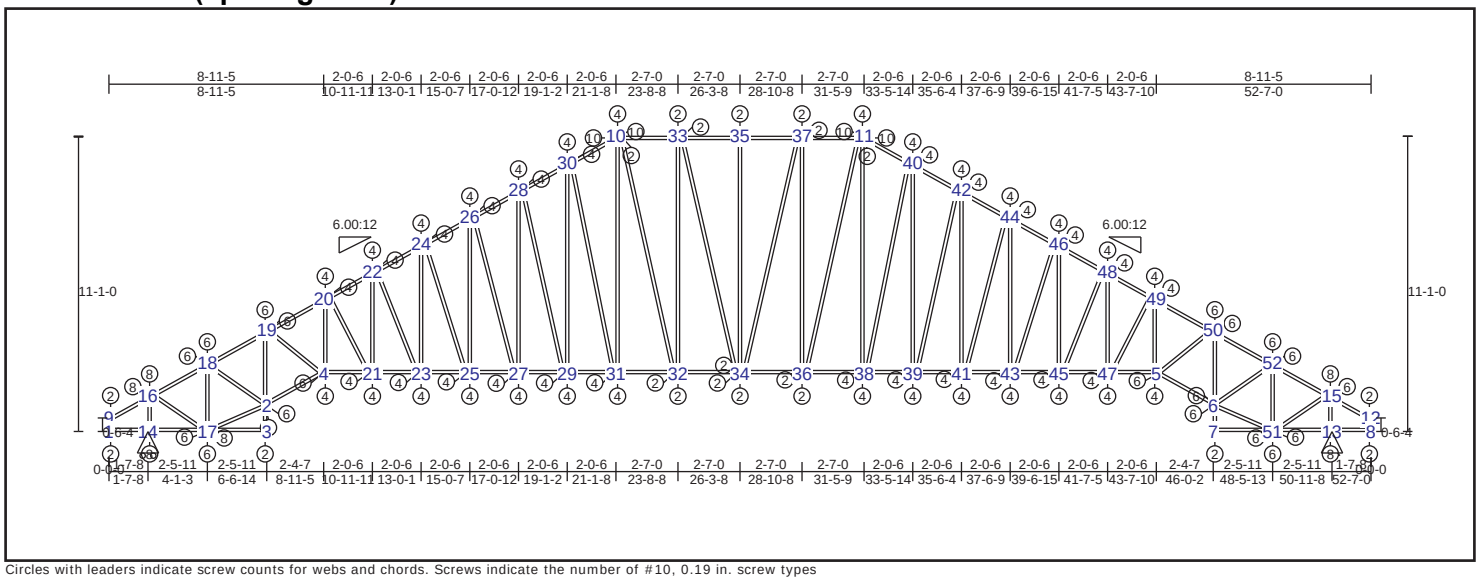
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
9-15	0.30	73 lbs	0 lbs	4-23	0.60	6472 lbs	-3674 lbs	13-15	0.19	-2606 lbs	-2606 lbs	1-9	0.00	51 lbs	0 lbs
15-18	0.62	-4306 lbs	-4306 lbs	23-25	0.50	5435 lbs	-3096 lbs	17-18	0.18	-2095 lbs	-2095 lbs	8-12	0.01	130 lbs	-58 lbs
18-19	0.60	-5197 lbs	-5197 lbs	25-27	0.45	4751 lbs	-2716 lbs	2-3	0.52	864 lbs	-491 lbs	3-18	0.10	1909 lbs	-1124 lbs
19-21	0.88	-6795 lbs	-6795 lbs	27-29	0.42	4225 lbs	-2422 lbs	3-19	0.56	-2128 lbs	-2128 lbs	3-17	0.11	2278 lbs	-1304 lbs
21-22	0.80	-7374 lbs	-7374 lbs	29-30	0.39	4001 lbs	-2375 lbs	20-21	0.19	-2094 lbs	-2094 lbs	6-52	0.13	2013 lbs	-1381 lbs
22-24	0.87	-7374 lbs	-7374 lbs	30-32	0.37	4120 lbs	-2502 lbs	4-22	0.10	1926 lbs	-1153 lbs	6-51	0.13	2023 lbs	-1551 lbs
24-26	0.63	-5535 lbs	-5535 lbs	32-34	0.26	4155 lbs	-2567 lbs	23-24	0.12	1789 lbs	-1116 lbs	15-17	0.13	2534 lbs	-1451 lbs
26-28	0.62	-4976 lbs	-4976 lbs	34-36	0.26	4155 lbs	-2574 lbs	25-26	0.15	1555 lbs	-1020 lbs	19-20	0.10	1997 lbs	-1147 lbs
10-28	0.51	-4484 lbs	-4484 lbs	36-38	0.34	4112 lbs	-2574 lbs	27-28	0.21	1513 lbs	-1038 lbs	4-21	0.08	1596 lbs	-930 lbs
10-31	0.67	-4164 lbs	-4164 lbs	38-40	0.38	3985 lbs	-2517 lbs	10-29	0.25	1330 lbs	-958 lbs	22-23	0.21	-2074 lbs	-2074 lbs
31-33	0.49	-4283 lbs	-4283 lbs	40-41	0.41	4189 lbs	-2735 lbs	30-31	0.19	-736 lbs	-736 lbs	24-25	0.21	-1684 lbs	-1684 lbs
33-35	0.37	-4317 lbs	-4317 lbs	41-43	0.44	4697 lbs	-3140 lbs	32-33	0.08	387 lbs	-309 lbs	26-27	0.26	-1587 lbs	-1587 lbs
35-37	0.37	-4317 lbs	-4317 lbs	43-45	0.49	5354 lbs	-3655 lbs	34-35	0.06	-218 lbs	-218 lbs	28-29	0.32	-1450 lbs	-1450 lbs
37-39	0.49	-4275 lbs	-4275 lbs	5-45	0.58	6344 lbs	-4415 lbs	36-37	0.09	-337 lbs	-337 lbs	10-30	0.18	698 lbs	-667 lbs
11-39	0.68	-4148 lbs	-4148 lbs	3-20	0.69	5036 lbs	-2828 lbs	38-39	0.20	-763 lbs	-763 lbs	31-32	0.12	-442 lbs	-442 lbs
11-42	0.51	-4456 lbs	-4456 lbs	4-20	0.58	6569 lbs	-3716 lbs	11-40	0.27	1291 lbs	-1036 lbs	33-34	0.06	-225 lbs	-225 lbs
42-44	0.61	-4934 lbs	-4934 lbs	5-48	0.65	6413 lbs	-4504 lbs	41-42	0.23	1463 lbs	-1150 lbs	34-37	0.06	-200 lbs	-200 lbs
44-46	0.61	-5472 lbs	-5472 lbs	6-48	0.51	4859 lbs	-3488 lbs	43-44	0.17	1495 lbs	-1154 lbs	36-39	0.09	440 lbs	-339 lbs
46-47	0.85	-7228 lbs	-7228 lbs	1-13	0.11	0 lbs	0 lbs	45-46	0.14	1711 lbs	-1295 lbs	11-38	0.13	727 lbs	-479 lbs
47-49	0.78	-7228 lbs	-7228 lbs	13-17	0.36	2158 lbs	-1236 lbs	5-47	0.12	1824 lbs	-1364 lbs	40-42	0.31	-1409 lbs	-1409 lbs
49-50	0.87	-6638 lbs	-6638 lbs	2-17	0.36	2158 lbs	-1236 lbs	48-49	0.19	-2115 lbs	-2115 lbs	41-44	0.25	-1533 lbs	-1533 lbs
50-52	0.61	-5025 lbs	-5025 lbs	7-51	0.48	1919 lbs	-1470 lbs	6-7	0.46	809 lbs	-606 lbs	43-46	0.20	-1617 lbs	-1617 lbs
16-52	0.76	-4117 lbs	-4117 lbs	14-51	0.97	1919 lbs	-1470 lbs	6-50	0.50	-2169 lbs	-2169 lbs	45-47	0.20	-1981 lbs	-1981 lbs
12-16	0.53	108 lbs	-26 lbs	8-14	0.32	0 lbs	0 lbs	51-52	0.18	-2100 lbs	-2100 lbs	5-49	0.09	1626 lbs	-1029 lbs
								14-16	0.18	-2492 lbs	-2492 lbs	48-50	0.12	2012 lbs	-1345 lbs
												16-51	0.13	2226 lbs	-1469 lbs

TRUSS TS09 (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 :	0.74 (52 - 15)	TL(V): 0.31 in.	L / 394	(10-33)	L / 90
BC :	0.77 (51 - 13)	LL(V): 0.21 in.	L / 599	(10-33)	L / 90
Web :	0.56 (2 - 19)	DL(V): 0.11 in.	L / 999	(27-29)	L / 0
		Cant / OH TL: 0.16 in.	2L / 0	4	2L / 90
		Cant / OH LL: 0.16 in.	2L / 0	4	2L / 90
		Horiz TL: -0.15 in.		9	
		Web :			
		Snow/Wind -0.21 in.	L / 999	(25-27)	L / 90
		Cant (Snow/Wind) -0.17 in.	L / 0	4	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
13	Fixed		-230 lbs	2560 lbs	0 lbs	-1220 lbs	-230 lbs
14	HRoll		0 lbs	2540 lbs	0 lbs	-1350 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-1-10	52-7-0

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

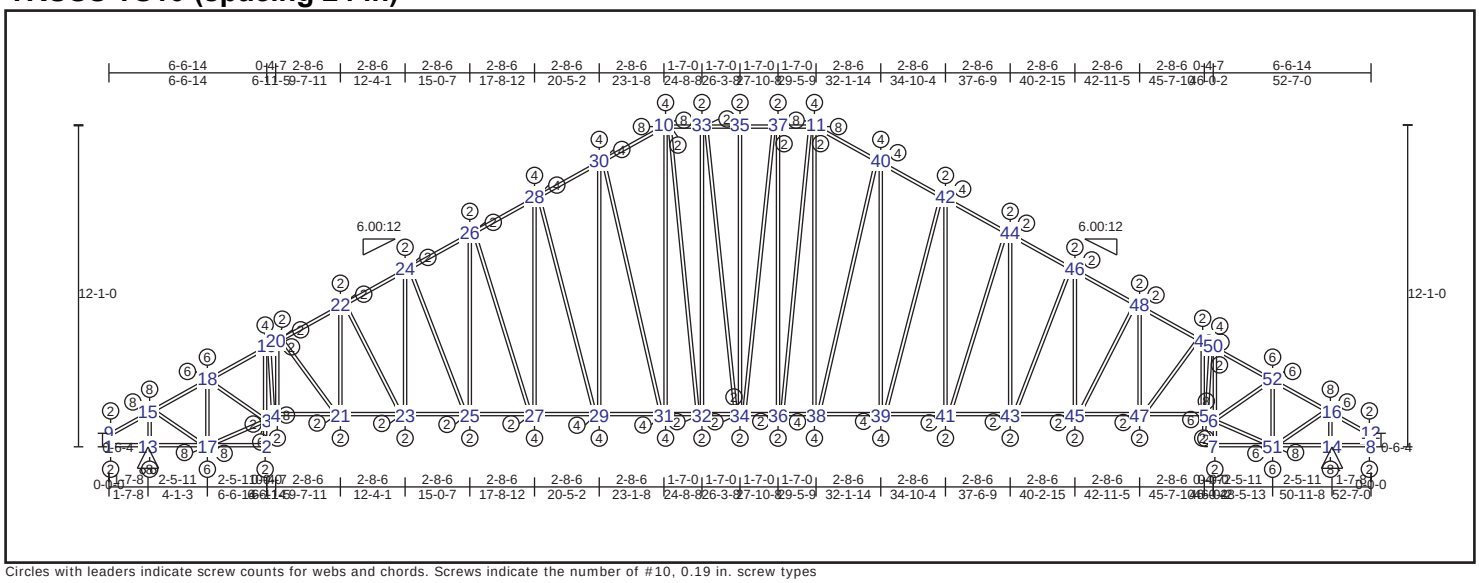
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
9-16	0.31	74 lbs	-3 lbs	4-21	0.41	5363 lbs	-3367 lbs	14-16	0.19	-2609 lbs	-2609 lbs	8-12	0.01	117 lbs	-40 lbs
16-18	0.62	-4319 lbs	-4319 lbs	21-23	0.38	4735 lbs	-2912 lbs	17-18	0.18	-2090 lbs	-2090 lbs	1-9	0.00	55 lbs	-6 lbs
18-19	0.70	-5217 lbs	-5217 lbs	23-25	0.35	4291 lbs	-2576 lbs	2-3	0.52	862 lbs	-552 lbs	6-52	0.11	2025 lbs	-1240 lbs
19-20	0.70	-6089 lbs	-6089 lbs	25-27	0.35	3929 lbs	-2293 lbs	2-19	0.56	-2143 lbs	-2143 lbs	2-18	0.11	1942 lbs	-1233 lbs
20-22	0.70	-6089 lbs	-6089 lbs	27-29	0.34	3614 lbs	-2040 lbs	4-20	0.06	1014 lbs	-690 lbs	2-17	0.13	2275 lbs	-1467 lbs
22-24	0.50	-4980 lbs	-4980 lbs	29-31	0.34	3323 lbs	-1802 lbs	21-22	0.09	1118 lbs	-794 lbs	6-51	0.13	2067 lbs	-1458 lbs
24-26	0.51	-4600 lbs	-4600 lbs	31-32	0.33	3165 lbs	-1623 lbs	23-24	0.11	1025 lbs	-760 lbs	16-17	0.14	2529 lbs	-1634 lbs
26-28	0.49	-4266 lbs	-4266 lbs	32-34	0.25	3199 lbs	-1623 lbs	25-26	0.16	1069 lbs	-820 lbs	20-21	0.13	-1266 lbs	-1266 lbs
28-30	0.49	-3971 lbs	-3971 lbs	34-36	0.29	3199 lbs	-1610 lbs	27-28	0.23	1123 lbs	-883 lbs	22-23	0.14	-1099 lbs	-1099 lbs
10-30	0.43	-3664 lbs	-3664 lbs	36-38	0.32	3160 lbs	-1567 lbs	29-30	0.31	1205 lbs	-968 lbs	24-25	0.18	-1100 lbs	-1100 lbs
10-33	0.52	-3345 lbs	-3345 lbs	38-39	0.33	3306 lbs	-1775 lbs	10-31	0.35	1146 lbs	-937 lbs	26-27	0.25	-1136 lbs	-1136 lbs
33-35	0.40	-3378 lbs	-3378 lbs	39-41	0.33	3588 lbs	-2013 lbs	32-33	0.17	-463 lbs	-463 lbs	28-29	0.33	-1217 lbs	-1217 lbs
35-37	0.40	-3378 lbs	-3378 lbs	41-43	0.34	3892 lbs	-2266 lbs	34-35	0.07	-184 lbs	-184 lbs	30-31	0.40	-1215 lbs	-1215 lbs
11-37	0.52	-3339 lbs	-3339 lbs	43-45	0.34	4238 lbs	-2549 lbs	36-37	0.18	551 lbs	-486 lbs	10-32	0.15	444 lbs	-374 lbs
11-40	0.42	-3651 lbs	-3651 lbs	45-47	0.37	4657 lbs	-2885 lbs	11-38	0.35	1119 lbs	-941 lbs	33-34	0.09	-223 lbs	-223 lbs
40-42	0.48	-3950 lbs	-3950 lbs	5-47	0.39	5243 lbs	-3340 lbs	39-40	0.31	1172 lbs	-968 lbs	34-37	0.11	-271 lbs	-271 lbs
42-44	0.48	-4236 lbs	-4236 lbs	2-4	0.53	5203 lbs	-3290 lbs	41-42	0.23	1084 lbs	-884 lbs	11-36	0.20	-515 lbs	-515 lbs
44-46	0.50	-4557 lbs	-4557 lbs	5-6	0.54	5060 lbs	-3267 lbs	43-44	0.16	1024 lbs	-820 lbs	38-40	0.39	-1187 lbs	-1187 lbs
46-48	0.49	-4919 lbs	-4919 lbs	1-14	0.12	0 lbs	0 lbs	45-46	0.11	971 lbs	-761 lbs	39-42	0.32	-1182 lbs	-1182 lbs
48-49	0.68	-5954 lbs	-5954 lbs	14-17	0.36	2154 lbs	-1392 lbs	47-48	0.09	1044 lbs	-793 lbs	41-44	0.24	-1095 lbs	-1095 lbs
49-50	0.68	-5954 lbs	-5954 lbs	3-17	0.36	2154 lbs	-1392 lbs	5-49	0.06	928 lbs	-693 lbs	43-46	0.17	-1051 lbs	-1051 lbs
50-52	0.71	-5075 lbs	-5075 lbs	7-51	0.45	1960 lbs	-1380 lbs	6-7	0.47	819 lbs	-563 lbs	45-48	0.13	-1038 lbs	-1038 lbs
15-52	0.74	-4162 lbs	-4162 lbs	13-51	0.77	1960 lbs	-1380 lbs	6-50	0.51	-2178 lbs	-2178 lbs	47-49	0.12	-1179 lbs	-1179 lbs
12-15	0.49	102 lbs	-18 lbs	8-13	0.28	0 lbs	0 lbs	51-52	0.18	-2095 lbs	-2095 lbs	15-51	0.11	2274 lbs	-1335 lbs
								13-15	0.18	-2516 lbs	-2516 lbs	4-19	0.10	1902 lbs	-1131 lbs
												5-50	0.10	1920 lbs	-1112 lbs

TRUSS TS10 (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 :	0.71 (52 - 16)	TL(V): 0.24 in.	L / 999	(28-30)	L / 90
BC :	0.57 (3 - 4)	LL(V): 0.16 in.	L / 999	(28-30)	L / 90
Web :	0.81 (2 - 3)	DL(V): 0.08 in.	L / 999	(28-30)	L / 0
		Cant / OH TL: 0.1 in.	2L / 0	(5-6)	2L / 90
		Cant / OH LL: 0.1 in.	2L / 0	(5-6)	2L / 90
		Horiz TL: -0.11 in.		9	
		Web :			
		Snow/Wind -0.18 in.	L / 999	(41-43)	L / 90
		Cant (Snow/Wind) -0.11 in.	L / 0	(5-6)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
13	HRoll		0 lbs	2540 lbs	0 lbs	-1240 lbs	0 lbs
14	Fixed		-250 lbs	2560 lbs	0 lbs	-1330 lbs	-250 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-1-10	52-7-0

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

Material Design Pass

Member Forces Summary

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

Top Chord

9-15	0.30	73 lbs	-1 lbs
15-18	0.62	-4481 lbs	-4481 lbs
18-19	0.69	-4971 lbs	-4971 lbs
19-20	0.59	-4971 lbs	-4971 lbs
20-22	0.63	-4850 lbs	-4850 lbs
22-24	0.50	-4242 lbs	-4242 lbs
24-26	0.42	-3940 lbs	-3940 lbs
26-28	0.45	-3676 lbs	-3676 lbs
28-30	0.46	-3408 lbs	-3408 lbs
10-30	0.43	-3123 lbs	-3123 lbs
10-33	0.39	-2780 lbs	-2780 lbs
33-35	0.26	-2788 lbs	-2788 lbs
35-37	0.26	-2788 lbs	-2788 lbs
11-37	0.39	-2778 lbs	-2778 lbs
11-40	0.42	-3118 lbs	-3118 lbs
40-42	0.45	-3397 lbs	-3397 lbs
42-44	0.44	-3658 lbs	-3658 lbs
44-46	0.42	-3911 lbs	-3911 lbs
46-48	0.49	-4196 lbs	-4196 lbs
48-49	0.61	-4738 lbs	-4738 lbs
49-50	0.56	-4853 lbs	-4853 lbs
50-52	0.70	-4853 lbs	-4853 lbs
16-52	0.71	-4359 lbs	-4359 lbs
12-16	0.45	95 lbs	-17 lbs

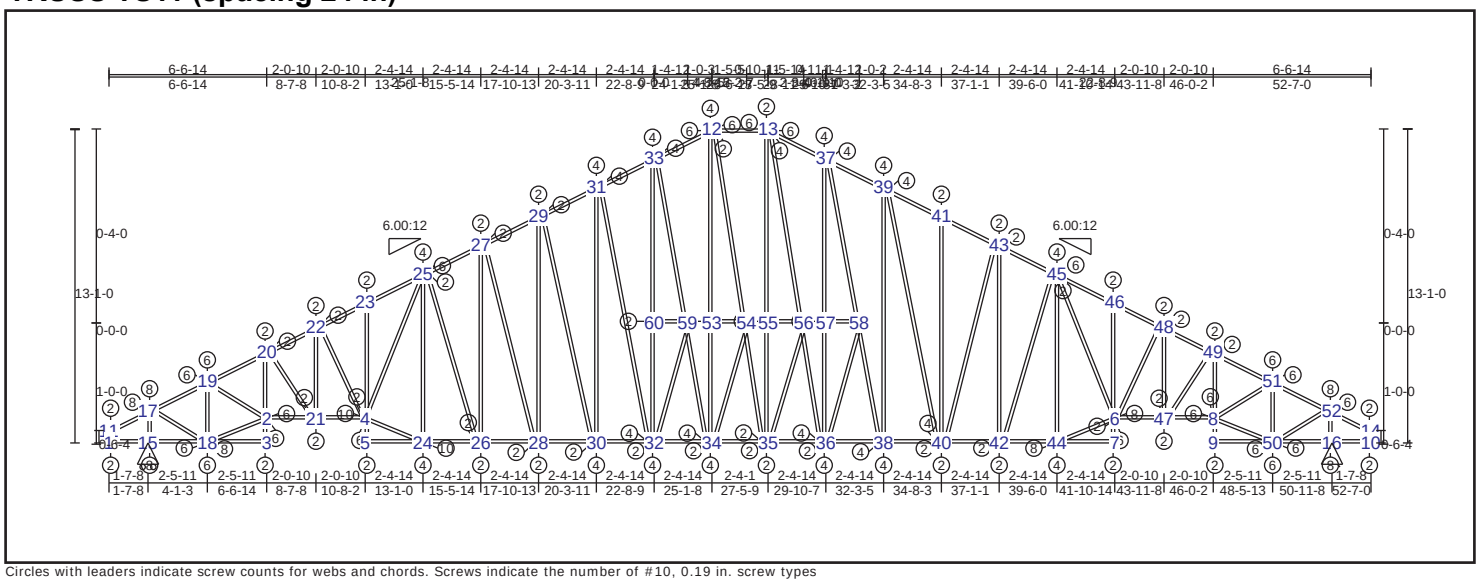
Bot Chord

4-21	0.32	4041 lbs	-2368 lbs
21-23	0.28	3868 lbs	-2195 lbs
23-25	0.30	3616 lbs	-1970 lbs
25-27	0.31	3355 lbs	-1814 lbs
27-29	0.54	3092 lbs	-1669 lbs
29-31	0.54	2822 lbs	-1520 lbs
31-32	0.32	2583 lbs	-1418 lbs
32-34	0.17	2591 lbs	-1448 lbs
34-36	0.16	2591 lbs	-1465 lbs
36-38	0.32	2581 lbs	-1465 lbs
38-39	0.36	2813 lbs	-1705 lbs
39-41	0.37	3076 lbs	-1945 lbs
41-43	0.35	3331 lbs	-2182 lbs
43-45	0.34	3577 lbs	-2417 lbs
45-47	0.31	3807 lbs	-2646 lbs
5-47	0.34	3937 lbs	-2824 lbs
3-4	0.57	3952 lbs	-2336 lbs
5-6	0.57	3833 lbs	-2784 lbs
1-13	0.12	0 lbs	0 lbs
13-17	0.37	2150 lbs	-1283 lbs
2-17	0.37	2150 lbs	-1283 lbs
7-51	0.44	2004 lbs	-1529 lbs
14-51	0.57	2004 lbs	-1529 lbs
8-14	0.24	0 lbs	0 lbs

Web

13-15	0.19	-2607 lbs	-2607 lbs
17-18	0.19	-2252 lbs	-2252 lbs
2-3	0.81	1023 lbs	-599 lbs
3-19	0.81	-1127 lbs	-1127 lbs
4-20	0.05	810 lbs	-516 lbs
21-22	0.02	214 lbs	-196 lbs
23-24	0.07	508 lbs	-418 lbs
25-26	0.14	645 lbs	-548 lbs
27-28	0.23	815 lbs	-695 lbs
29-30	0.35	973 lbs	-838 lbs
10-31	0.49	1074 lbs	-942 lbs
32-33	0.16	482 lbs	-309 lbs
34-35	0.06	-109 lbs	-109 lbs
36-37	0.17	406 lbs	-331 lbs
11-38	0.49	1055 lbs	-943 lbs
39-40	0.35	950 lbs	-841 lbs
41-42	0.23	789 lbs	-701 lbs
43-44	0.14	614 lbs	-553 lbs
45-46	0.08	468 lbs	-428 lbs
47-48	0.02	-196 lbs	-196 lbs
5-49	0.05	748 lbs	-609 lbs
6-7	0.81	991 lbs	-726 lbs
6-50	0.81	-1138 lbs	-1138 lbs
51-52	0.19	-2258 lbs	-2258 lbs
14-16	0.18	-2534 lbs	-2534 lbs
8-12	0.01	102 lbs	-37 lbs
1-9	0.00	53 lbs	-2 lbs
6-52	0.13	2181 lbs	-1460 lbs
6-51	0.16	2566 lbs	-1913 lbs
3-18	0.11	2118 lbs	-1217 lbs
3-17	0.14	2720 lbs	-1600 lbs
15-17	0.13	2524 lbs	-1506 lbs
20-21	0.03	275 lbs	-274 lbs
22-23	0.08	-511 lbs	-511 lbs
24-25	0.14	-662 lbs	-662 lbs
26-27	0.23	-812 lbs	-812 lbs
28-29	0.35	-977 lbs	-977 lbs
30-31	0.47	-1088 lbs	-1088 lbs
10-32	0.22	-421 lbs	-421 lbs
33-34	0.14	-263 lbs	-263 lbs
34-37	0.13	-246 lbs	-246 lbs
11-36	0.18	-346 lbs	-346 lbs
38-40	0.47	-1069 lbs	-1069 lbs
39-42	0.34	-953 lbs	-953 lbs
41-44	0.22	-784 lbs	-784 lbs
43-46	0.13	-627 lbs	-627 lbs
45-48	0.07	-466 lbs	-466 lbs
47-49	0.02	282 lbs	-206 lbs
16-51	0.13	2323 lbs	-1476 lbs
5-50	0.02	283 lbs	-211 lbs
4-19	0.02	297 lbs	-181 lbs

TRUSS TS11 (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 (51 - 52)	TL(V): 0.21 in.	L / 999	(39-41)	L / 90
BC :	0.55 (50 - 16)	LL(V): 0.14 in.	L / 999	(39-41)	L / 90
Web :	0.88 (53 - 12)	DL(V): 0.07 in.	L / 999	(39-41)	L / 0
		Cant / OH TL: 0.14 in.	2L / 999	(39-41)	2L / 90
		Cant / OH LL: 0.14 in.	2L / 999	(39-41)	2L / 90
		Horiz TL: -0.08 in.		11	
		Web :			
		Snow/Wind -0.16 in.	L / 999	(39-41)	L / 90
		Cant (Snow/Wind) -0.16 in.	L / 999	(39-41)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
15	HRoll		0 lbs	2550 lbs	0 lbs	-1290 lbs	0 lbs
16	Fixed		-280 lbs	2560 lbs	0 lbs	-1260 lbs	-280 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-1-10	52-7-0

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

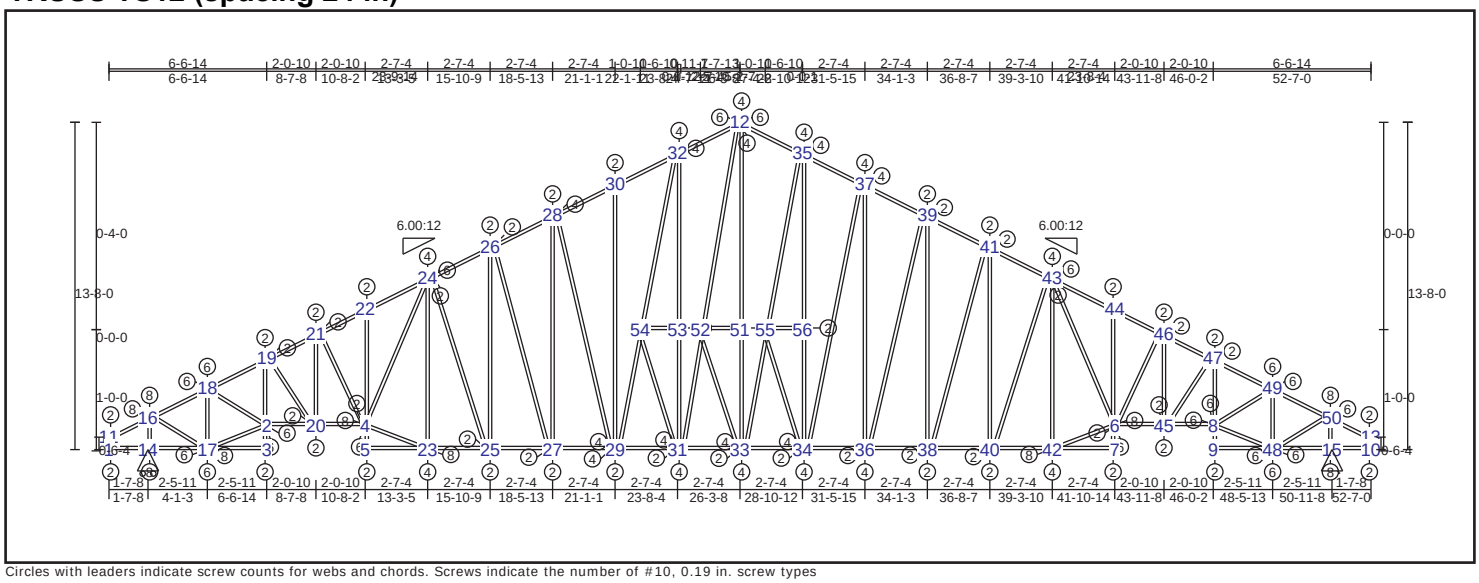
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
11-17	0.29	73 lbs	0 lbs	1-15	0.11	0 lbs	0 lbs	1-11	0.00	52 lbs	-2 lbs
17-19	0.62	-4356 lbs	-4356 lbs	15-18	0.37	2173 lbs	-1346 lbs	18-19	0.18	-2147 lbs	-2147 lbs
19-20	0.39	-4356 lbs	-4356 lbs	3-18	0.37	2173 lbs	-1346 lbs	2-3	0.52	904 lbs	-555 lbs
20-22	0.38	-4351 lbs	-4351 lbs	2-21	0.27	3827 lbs	-2345 lbs	2-20	0.58	904 lbs	-555 lbs
22-23	0.37	-4175 lbs	-4175 lbs	4-21	0.32	3782 lbs	-2268 lbs	21-22	0.02	238 lbs	-205 lbs
23-25	0.37	-4180 lbs	-4180 lbs	6-47	0.35	3715 lbs	-2527 lbs	4-5	0.71	1222 lbs	-686 lbs
25-27	0.37	-3362 lbs	-3362 lbs	8-47	0.29	3728 lbs	-2612 lbs	4-23	0.75	1222 lbs	-686 lbs
27-29	0.36	-3225 lbs	-3225 lbs	5-24	0.31	2951 lbs	-1670 lbs	24-25	0.31	-1174 lbs	-1174 lbs
29-31	0.38	-3067 lbs	-3067 lbs	24-26	0.29	2951 lbs	-1670 lbs	26-27	0.15	-456 lbs	-456 lbs
31-33	0.39	-2894 lbs	-2894 lbs	26-28	0.24	2839 lbs	-1543 lbs	28-29	0.25	622 lbs	-611 lbs
12-33	0.41	-2708 lbs	-2708 lbs	28-30	0.26	2694 lbs	-1392 lbs	30-31	0.38	814 lbs	-772 lbs
12-13	0.26	-2362 lbs	-2362 lbs	30-32	0.27	2525 lbs	-1266 lbs	38-39	0.50	997 lbs	-994 lbs
13-37	0.43	-2918 lbs	-2918 lbs	32-34	0.31	2350 lbs	-1167 lbs	40-41	0.09	-215 lbs	-215 lbs
37-39	0.33	-3082 lbs	-3082 lbs	34-35	0.27	2151 lbs	-1083 lbs	42-43	0.16	-488 lbs	-488 lbs
39-41	0.41	-3224 lbs	-3224 lbs	35-36	0.35	2331 lbs	-1265 lbs	44-45	0.31	-1170 lbs	-1170 lbs
41-43	0.34	-3224 lbs	-3224 lbs	36-38	0.33	2517 lbs	-1445 lbs	6-7	0.71	1211 lbs	-774 lbs
43-45	0.36	-3343 lbs	-3343 lbs	38-40	0.45	2680 lbs	-1608 lbs	6-46	0.74	1211 lbs	-774 lbs
45-46	0.36	-4127 lbs	-4127 lbs	40-42	0.41	2820 lbs	-1758 lbs	47-48	0.03	-229 lbs	-229 lbs
46-48	0.36	-4122 lbs	-4122 lbs	42-44	0.28	2922 lbs	-1880 lbs	8-9	0.49	871 lbs	-636 lbs
48-49	0.37	-4268 lbs	-4268 lbs	7-44	0.31	2922 lbs	-1880 lbs	8-49	0.55	871 lbs	-636 lbs
49-51	0.40	-4268 lbs	-4268 lbs	9-50	0.43	2035 lbs	-1518 lbs	50-51	0.18	-2150 lbs	-2150 lbs
51-52	0.70	-4240 lbs	-4240 lbs	16-50	0.55	2035 lbs	-1518 lbs	16-52	0.18	-2537 lbs	-2537 lbs
14-52	0.44	92 lbs	-13 lbs	10-16	0.23	0 lbs	0 lbs	15-17	0.19	-2606 lbs	-2606 lbs
								10-14	0.00	95 lbs	-30 lbs
								2-18	0.12	2343 lbs	-1449 lbs
								2-19	0.10	1899 lbs	-1147 lbs
								4-24	0.16	3262 lbs	-1850 lbs
								4-25	0.28	1791 lbs	-1213 lbs
								6-44	0.18	3226 lbs	-2083 lbs
								6-45	0.31	1737 lbs	-1314 lbs
								8-50	0.14	2194 lbs	-1638 lbs
								8-51	0.11	1956 lbs	-1263 lbs
								34-53	0.18	1108 lbs	-1025 lbs
								12-53	0.88	1108 lbs	-1025 lbs
								34-54	0.00	-14 lbs	-14 lbs
								53-54	0.00	3 lbs	-3 lbs
								32-60	0.16	969 lbs	-900 lbs
								33-60	0.65	969 lbs	-900 lbs
								32-59	0.00	23 lbs	-21 lbs
								59-60	0.00	-5 lbs	-5 lbs
								35-55	0.08	255 lbs	-197 lbs
								13-55	0.19	255 lbs	-197 lbs
								35-56	0.00	14 lbs	-12 lbs
								55-56	0.00	-3 lbs	-3 lbs
								36-57	0.21	-1174 lbs	-1174 lbs
								37-57	0.32	-1174 lbs	-1174 lbs
								36-58	0.00	-20 lbs	-20 lbs

TRUSS TS12 (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 (49 - 50)	TL(V): 0.21 in.	L / 999	(27-29)	L / 90
BC :	0.55 (48 - 15)	LL(V): 0.14 in.	L / 999	(27-29)	L / 90
Web :	0.97 (51 - 12)	DL(V): 0.07 in.	L / 999	(37-39)	L / 0
		Cant / OH TL: 0.14 in.	2L / 999	(27-29)	2L / 90
		Cant / OH LL: 0.14 in.	2L / 999	(27-29)	2L / 90
		Horiz TL: -0.08 in.		11	
		Web :			
		Snow/Wind -0.16 in.	L / 999	(38-40)	L / 90
		Cant (Snow/Wind) -0.16 in.	L / 999	(38-40)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
14	HRoll		0 lbs	2550 lbs	0 lbs	-1270 lbs	0 lbs
15	Fixed		-300 lbs	2560 lbs	0 lbs	-1270 lbs	-300 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-8-4	52-7-0

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

Material Design Pass

Member Forces Summary

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

Top Chord

11-16	0.29	73 lbs	0 lbs
16-18	0.62	-4359 lbs	-4359 lbs
18-19	0.39	-4359 lbs	-4359 lbs
19-21	0.38	-4354 lbs	-4354 lbs
21-22	0.37	-4178 lbs	-4178 lbs
22-24	0.38	-4189 lbs	-4189 lbs
24-26	0.38	-3346 lbs	-3346 lbs
26-28	0.38	-3196 lbs	-3196 lbs
28-30	0.38	-3023 lbs	-3023 lbs
30-32	0.35	-3023 lbs	-3023 lbs
12-32	0.47	-2851 lbs	-2851 lbs
12-35	0.42	-2611 lbs	-2611 lbs
35-37	0.40	-2817 lbs	-2817 lbs
37-39	0.39	-3006 lbs	-3006 lbs
39-41	0.37	-3179 lbs	-3179 lbs
41-43	0.37	-3326 lbs	-3326 lbs
43-44	0.37	-4136 lbs	-4136 lbs
44-46	0.36	-4125 lbs	-4125 lbs
46-47	0.38	-4270 lbs	-4270 lbs
47-49	0.40	-4270 lbs	-4270 lbs
49-50	0.70	-4242 lbs	-4242 lbs
13-50	0.44	92 lbs	-14 lbs

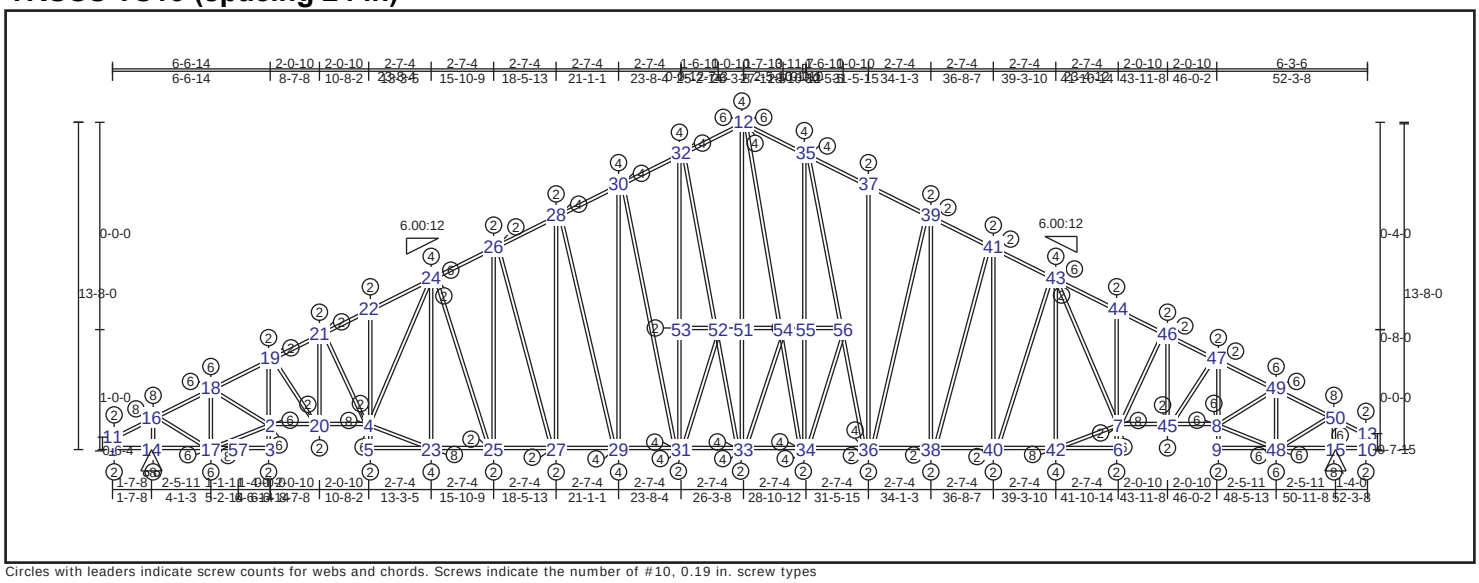
Bot Chord

1-14	0.11	0 lbs	0 lbs
14-17	0.37	2174 lbs	-1327 lbs
3-17	0.37	2174 lbs	-1327 lbs
2-20	0.27	3830 lbs	-2311 lbs
4-20	0.31	3784 lbs	-2232 lbs
6-45	0.35	3717 lbs	-2567 lbs
8-45	0.30	3730 lbs	-2653 lbs
5-23	0.29	2946 lbs	-1630 lbs
23-25	0.27	2946 lbs	-1630 lbs
25-27	0.27	2821 lbs	-1489 lbs
27-29	0.51	2658 lbs	-1373 lbs
29-31	0.42	2469 lbs	-1267 lbs
31-33	0.44	2260 lbs	-1149 lbs
33-34	0.38	2272 lbs	-1241 lbs
34-36	0.33	2463 lbs	-1425 lbs
36-38	0.30	2646 lbs	-1607 lbs
38-40	0.28	2803 lbs	-1771 lbs
40-42	0.26	2917 lbs	-1906 lbs
7-42	0.29	2917 lbs	-1906 lbs
9-48	0.43	2036 lbs	-1544 lbs
15-48	0.55	2036 lbs	-1544 lbs
10-15	0.23	0 lbs	0 lbs

Web

1-11	0.00	51 lbs	-1 lbs
17-18	0.18	-2148 lbs	-2148 lbs
2-3	0.52	904 lbs	-548 lbs
2-19	0.58	904 lbs	-548 lbs
20-21	0.02	238 lbs	-206 lbs
4-5	0.71	1131 lbs	-620 lbs
4-22	0.75	1131 lbs	-620 lbs
23-24	0.29	-1082 lbs	-1082 lbs
25-26	0.16	-462 lbs	-462 lbs
27-28	0.29	700 lbs	-682 lbs
29-30	0.12	224 lbs	-224 lbs
36-37	0.42	833 lbs	-792 lbs
38-39	0.26	630 lbs	-623 lbs
40-41	0.16	-457 lbs	-457 lbs
42-43	0.29	-1073 lbs	-1073 lbs
6-7	0.71	1119 lbs	-725 lbs
6-44	0.74	1119 lbs	-725 lbs
45-46	0.03	-231 lbs	-231 lbs
8-9	0.49	872 lbs	-647 lbs
8-47	0.55	872 lbs	-647 lbs
48-49	0.18	-2151 lbs	-2151 lbs
14-16	0.19	-2608 lbs	-2608 lbs
15-50	0.18	-2539 lbs	-2539 lbs
6-42	0.18	3188 lbs	-2089 lbs
8-48	0.14	2195 lbs	-1666 lbs
8-49	0.12	1958 lbs	-1281 lbs
6-43	0.31	1667 lbs	-1285 lbs
2-18	0.10	1901 lbs	-1129 lbs
2-17	0.12	2344 lbs	-1430 lbs
4-24	0.28	1720 lbs	-1164 lbs
4-23	0.16	3222 lbs	-1787 lbs
10-13	0.00	95 lbs	-31 lbs
33-51	0.18	1122 lbs	-1040 lbs
12-51	0.97	1122 lbs	-1040 lbs
33-52	0.00	5 lbs	-3 lbs
51-52	0.00	-1 lbs	-1 lbs
31-53	0.31	-1292 lbs	-1292 lbs
32-53	0.58	-1292 lbs	-1292 lbs
31-54	0.00	-19 lbs	-19 lbs
53-54	0.00	5 lbs	-4 lbs
34-56	0.25	1005 lbs	-936 lbs
35-56	0.72	1005 lbs	-936 lbs
34-55	0.00	20 lbs	-18 lbs
55-56	0.00	-5 lbs	-5 lbs
16-17	0.13	2553 lbs	-1558 lbs
19-20	0.01	145 lbs	-85 lbs

TRUSS TS13 (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 :	0.71 (49 - 50)	TL(V): 0.21 in.	L / 999	(28-30)	L / 90
BC :	0.54 (48 - 15)	LL(V): 0.14 in.	L / 999	(28-30)	L / 90
Web :	0.98 (51 - 12)	DL(V): 0.07 in.	L / 999	(27-29)	L / 0
		Cant / OH TL: 0.14 in.	2L / 999	(28-30)	2L / 90
		Cant / OH LL: 0.14 in.	2L / 999	(28-30)	2L / 90
		Horiz TL: -0.08 in.		11	
		Web :			
		Snow/Wind -0.16 in.	L / 999	(36-38)	L / 90
		Cant (Snow/Wind) -0.16 in.	L / 999	(36-38)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
14	HRoll		0 lbs	2550 lbs	0 lbs	-1270 lbs	0 lbs
15	Fixed		320 lbs	2530 lbs	0 lbs	-1250 lbs	320 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-8-4	52-3-8

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

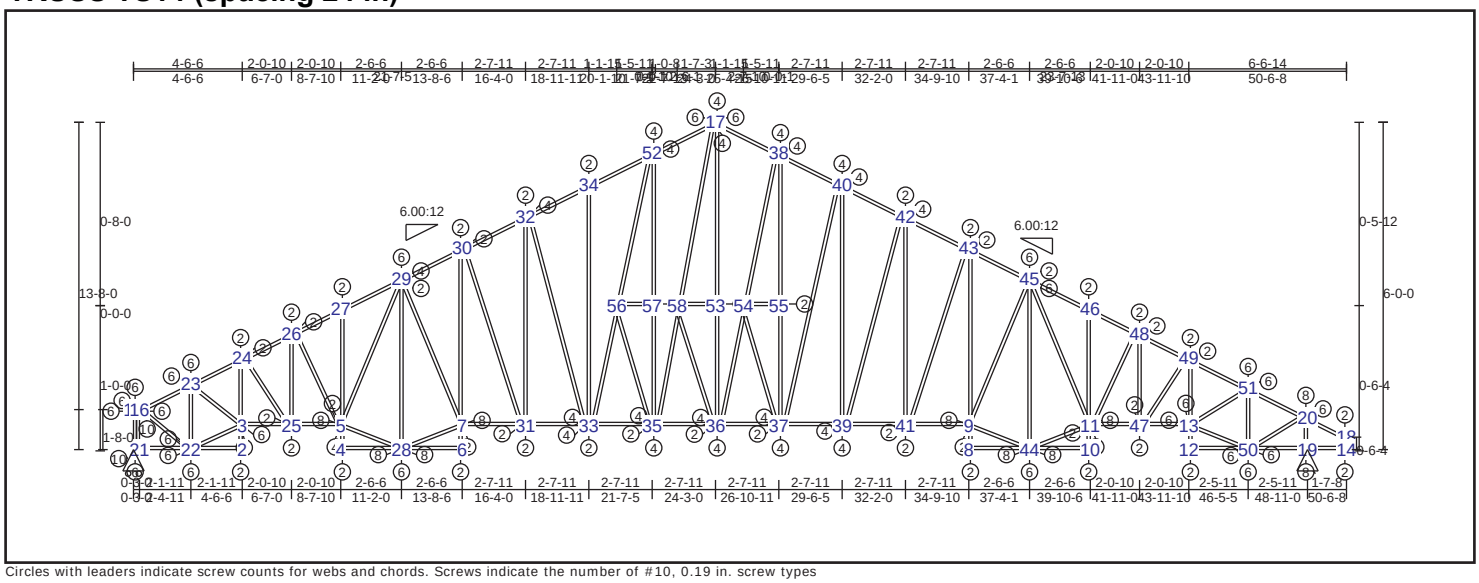
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
11-16	0.29	73 lbs	0 lbs	1-14	0.11	0 lbs	0 lbs	1-11	0.00	51 lbs	-1 lbs
16-18	0.62	-4359 lbs	-4359 lbs	14-17	0.37	2174 lbs	-1327 lbs	17-18	0.18	-2148 lbs	-2148 lbs
18-19	0.39	-4359 lbs	-4359 lbs	3-17	0.37	2174 lbs	-1327 lbs	2-3	0.52	904 lbs	-548 lbs
19-21	0.38	-4353 lbs	-4353 lbs	5-23	0.29	2945 lbs	-1629 lbs	2-19	0.58	904 lbs	-548 lbs
21-22	0.37	-4177 lbs	-4177 lbs	23-25	0.27	2945 lbs	-1629 lbs	20-21	0.02	238 lbs	-206 lbs
22-24	0.38	-4188 lbs	-4188 lbs	25-27	0.26	2820 lbs	-1488 lbs	4-5	0.71	1131 lbs	-620 lbs
24-26	0.38	-3347 lbs	-3347 lbs	27-29	0.29	2657 lbs	-1372 lbs	4-22	0.75	1131 lbs	-620 lbs
26-28	0.37	-3192 lbs	-3192 lbs	29-31	0.31	2469 lbs	-1267 lbs	23-24	0.29	-1084 lbs	-1084 lbs
28-30	0.40	-3014 lbs	-3014 lbs	31-33	0.36	2274 lbs	-1157 lbs	25-26	0.16	-472 lbs	-472 lbs
30-32	0.40	-2821 lbs	-2821 lbs	33-34	0.46	2257 lbs	-1227 lbs	27-28	0.27	652 lbs	-635 lbs
12-32	0.42	-2611 lbs	-2611 lbs	34-36	0.42	2462 lbs	-1424 lbs	29-30	0.43	853 lbs	-803 lbs
12-35	0.47	-2847 lbs	-2847 lbs	36-38	0.52	2646 lbs	-1606 lbs	36-37	0.12	224 lbs	-224 lbs
35-37	0.35	-3015 lbs	-3015 lbs	38-40	0.27	2803 lbs	-1770 lbs	38-39	0.28	676 lbs	-668 lbs
37-39	0.37	-3015 lbs	-3015 lbs	40-42	0.26	2916 lbs	-1904 lbs	40-41	0.16	-445 lbs	-445 lbs
39-41	0.37	-3182 lbs	-3182 lbs	6-42	0.29	2916 lbs	-1904 lbs	42-43	0.29	-1070 lbs	-1070 lbs
41-43	0.37	-3324 lbs	-3324 lbs	2-20	0.27	3829 lbs	-2311 lbs	6-7	0.71	1119 lbs	-724 lbs
43-44	0.37	-4135 lbs	-4135 lbs	4-20	0.31	3784 lbs	-2232 lbs	7-44	0.74	1119 lbs	-724 lbs
44-46	0.36	-4123 lbs	-4123 lbs	7-45	0.35	3715 lbs	-2564 lbs	45-46	0.03	-229 lbs	-229 lbs
46-47	0.37	-4268 lbs	-4268 lbs	8-45	0.30	3728 lbs	-2649 lbs	8-9	0.49	870 lbs	-645 lbs
47-49	0.40	-4268 lbs	-4268 lbs	9-48	0.43	2032 lbs	-1539 lbs	8-47	0.54	870 lbs	-645 lbs
49-50	0.71	-4239 lbs	-4239 lbs	15-48	0.54	2032 lbs	-1539 lbs	48-49	0.18	-2147 lbs	-2147 lbs
13-50	0.46	108 lbs	-33 lbs	10-15	0.31	0 lbs	0 lbs	10-13	0.01	151 lbs	-74 lbs
								15-50	0.19	-2571 lbs	-2571 lbs
								14-16	0.19	-2608 lbs	-2608 lbs
								4-24	0.28	1720 lbs	-1163 lbs
								4-23	0.16	3222 lbs	-1787 lbs
								7-42	0.18	3187 lbs	-2087 lbs
								7-43	0.31	1666 lbs	-1283 lbs
								2-17	0.12	2344 lbs	-1429 lbs
								2-18	0.10	1900 lbs	-1129 lbs
								8-48	0.14	2190 lbs	-1661 lbs
								8-49	0.12	1959 lbs	-1281 lbs
								31-52	0.00	20 lbs	-18 lbs
								31-53	0.17	1023 lbs	-946 lbs
								32-53	0.73	1023 lbs	-946 lbs
								52-53	0.00	-5 lbs	-5 lbs
								33-54	0.00	5 lbs	-3 lbs
								33-51	0.17	1138 lbs	-1049 lbs
								12-51	0.98	1138 lbs	-1049 lbs
								51-54	0.00	-1 lbs	-1 lbs
								34-56	0.00	-19 lbs	-19 lbs
								34-55	0.22	-1274 lbs	-1274 lbs
								35-55	0.39	-1274 lbs	-1274 lbs
								55-56	0.00	5 lbs	-4 lbs
								16-17	0.13	2553 lbs	-1558 lbs
								19-20	0.01	144 lbs	-85 lbs
								4-22	0.05	-381 lbs	-381 lbs
								24-25	0.12	463 lbs	-405 lbs

TRUSS TS14 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.69 (51 - 20)	TL(V): 0.24 in.	L / 999	(41-9)	L / 90
BC :	0.61 (50 - 19)	LL(V): 0.16 in.	L / 999	(41-9)	L / 90
Web :	0.98 (58 - 17)	DL(V): 0.08 in.	L / 999	(41-9)	L / 0
		Cant / OH TL: 0.16 in.	2L / 999	(41-9)	2L / 90
		Cant / OH LL: 0.16 in.	2L / 999	(41-9)	2L / 90
		Horiz TL: -0.09 in.		1	
		Web :			
		Snow/Wind -0.18 in.	L / 999	(41-9)	L / 90
		Cant (Snow/Wind) -0.18 in.	L / 999	(41-9)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-3460 lbs	-2840 lbs	-3460 lbs	0 lbs
19	Fixed		-420 lbs	2530 lbs	0 lbs	-1260 lbs	-420 lbs
21	HRoll		0 lbs	5840 lbs	0 lbs	-2780 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-8-4	50-6-8

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

Material Design Pass

Member Forces Summary

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

Top Chord

17-38	0.44	-2729 lbs	-2729 lbs
38-40	0.43	-2983 lbs	-2983 lbs
40-42	0.44	-3227 lbs	-3227 lbs
42-43	0.41	-3473 lbs	-3473 lbs
43-45	0.34	-3678 lbs	-3678 lbs
45-46	0.40	-4058 lbs	-4058 lbs
46-48	0.36	-4058 lbs	-4058 lbs
48-49	0.37	-4207 lbs	-4207 lbs
49-51	0.39	-4207 lbs	-4207 lbs
20-51	0.69	-4180 lbs	-4180 lbs
18-20	0.44	93 lbs	-14 lbs
16-23	0.60	-3778 lbs	-3778 lbs
23-24	0.34	-3907 lbs	-3907 lbs
24-26	0.36	-3925 lbs	-3925 lbs
26-27	0.33	-3875 lbs	-3875 lbs
27-29	0.38	-3877 lbs	-3877 lbs
29-30	0.33	-3596 lbs	-3596 lbs
30-32	0.40	-3424 lbs	-3424 lbs
32-34	0.41	-3202 lbs	-3202 lbs
34-52	0.37	-3202 lbs	-3202 lbs
17-52	0.49	-2996 lbs	-2996 lbs
15-16	0.64	0 lbs	0 lbs

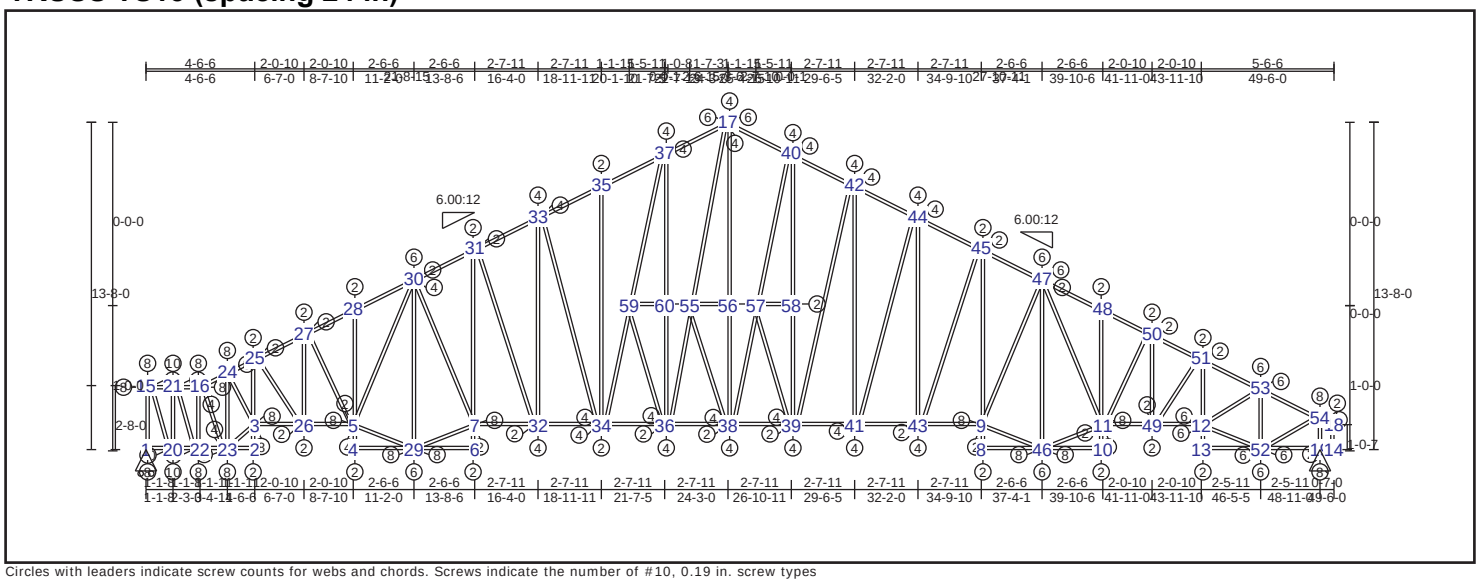
Bot Chord

1-21	0.58	0 lbs	0 lbs
21-22	0.50	1722 lbs	-1105 lbs
2-22	0.50	1722 lbs	-1105 lbs
4-28	0.27	2797 lbs	-1621 lbs
6-28	0.27	2797 lbs	-1621 lbs
8-44	0.28	2887 lbs	-2003 lbs
10-44	0.28	2887 lbs	-2003 lbs
12-50	0.43	2017 lbs	-1640 lbs
19-50	0.61	2017 lbs	-1640 lbs
14-19	0.23	0 lbs	0 lbs
3-25	0.24	3446 lbs	-2115 lbs
5-25	0.29	3446 lbs	-2115 lbs
7-31	0.36	3073 lbs	-1716 lbs
31-33	0.55	2880 lbs	-1608 lbs
33-35	0.43	2649 lbs	-1478 lbs
35-36	0.47	2408 lbs	-1342 lbs
36-37	0.42	2436 lbs	-1452 lbs
37-39	0.36	2675 lbs	-1673 lbs
39-41	0.37	2926 lbs	-1905 lbs
9-41	0.35	3143 lbs	-2117 lbs
11-47	0.38	3679 lbs	-2686 lbs
13-47	0.31	3694 lbs	-2781 lbs

Web

22-23	0.21	-2353 lbs	-2353 lbs
2-3	0.41	876 lbs	-557 lbs
3-24	0.47	876 lbs	-557 lbs
25-26	0.00	-45 lbs	-45 lbs
4-5	0.67	1109 lbs	-638 lbs
5-27	0.72	1109 lbs	-638 lbs
28-29	0.58	-2164 lbs	-2164 lbs
6-7	0.68	1114 lbs	-638 lbs
7-30	0.71	1114 lbs	-638 lbs
31-32	0.26	776 lbs	-703 lbs
33-34	0.10	224 lbs	-222 lbs
39-40	0.38	968 lbs	-874 lbs
41-42	0.27	810 lbs	-738 lbs
8-9	0.70	1154 lbs	-792 lbs
9-43	0.73	1154 lbs	-792 lbs
44-45	0.61	-2241 lbs	-2241 lbs
10-11	0.70	1146 lbs	-790 lbs
11-46	0.74	1146 lbs	-790 lbs
47-48	0.03	-255 lbs	-255 lbs
12-13	0.48	865 lbs	-686 lbs
13-49	0.54	865 lbs	-686 lbs
50-51	0.18	-2128 lbs	-2128 lbs
14-18	0.00	96 lbs	-32 lbs
1-15	0.08	1641 lbs	-1072 lbs
19-20	0.18	-2501 lbs	-2501 lbs
9-45	0.07	662 lbs	-294 lbs
11-45	0.32	1666 lbs	-1334 lbs
9-44	0.19	3173 lbs	-2199 lbs
11-44	0.19	3151 lbs	-2193 lbs
13-50	0.15	2173 lbs	-1771 lbs
13-51	0.12	1939 lbs	-1317 lbs
5-29	0.25	1486 lbs	-1038 lbs
3-23	0.11	2013 lbs	-1233 lbs
3-22	0.10	1895 lbs	-1215 lbs
5-28	0.15	3047 lbs	-1771 lbs
7-28	0.15	3062 lbs	-1772 lbs
7-29	0.10	721 lbs	-402 lbs
35-57	0.32	-1324 lbs	-1324 lbs
52-57	0.47	-1324 lbs	-1324 lbs
35-56	0.00	-21 lbs	-21 lbs
56-57	0.00	5 lbs	-5 lbs
36-53	0.19	1210 lbs	-1088 lbs
17-53	0.88	1210 lbs	-1088 lbs
36-58	0.00	5 lbs	-3 lbs
53-58	0.00	-1 lbs	-1 lbs
37-55	0.27	1116 lbs	-999 lbs
38-55	0.66	1116 lbs	-999 lbs
37-54	0.00	23 lbs	-21 lbs
54-55	0.00	-5 lbs	-5 lbs
17-58	0.98	1274 lbs	-1175 lbs

TRUSS TS15 (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 (15 - 21)	TL(V): 0.26 in.	L / 999	(31-33)	L / 90
BC :	0.97 (1 - 20)	LL(V): 0.17 in.	L / 999	(31-33)	L / 90
Web :	0.99 (55 - 17)	DL(V): 0.09 in.	L / 999	(7-32)	L / 0
		Cant / OH TL: 0.17 in.	2L / 999	(31-33)	2L / 90
		Cant / OH LL: 0.17 in.	2L / 999	(31-33)	2L / 90
		Horiz TL: -0.1 in.		1	
		Web :			
		Snow/Wind -0.19 in.	L / 999	(43-9)	L / 90
		Cant (Snow/Wind) -0.19 in.	L / 999	(43-9)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	2370 lbs	0 lbs	-1130 lbs	0 lbs
19	Fixed		-410 lbs	2440 lbs	0 lbs	-1170 lbs	-410 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-8-4	49-6-0

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

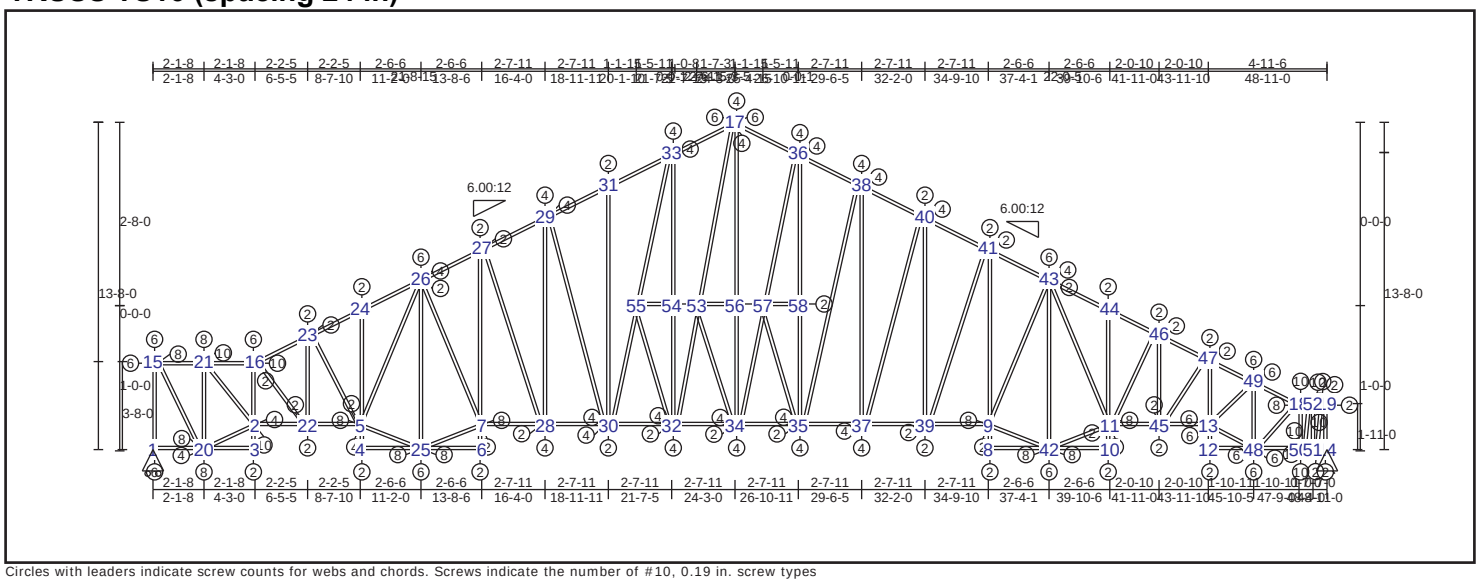
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
16-24	0.46	-3966 lbs	-3966 lbs	1-20	0.97	947 lbs	-616 lbs	1-15	0.22	-2604 lbs	-2604 lbs	3-23	0.15	3066 lbs	-1979 lbs
24-25	0.33	-4100 lbs	-4100 lbs	20-22	0.97	1881 lbs	-1220 lbs	20-21	0.33	-3773 lbs	-3773 lbs	7-30	0.10	708 lbs	-409 lbs
25-27	0.37	-4106 lbs	-4106 lbs	22-23	0.33	2337 lbs	-1509 lbs	16-22	0.26	-3015 lbs	-3015 lbs	5-30	0.27	1598 lbs	-1123 lbs
27-28	0.35	-4006 lbs	-4006 lbs	2-23	0.28	2337 lbs	-1509 lbs	23-24	0.30	-3105 lbs	-3105 lbs	5-29	0.16	3148 lbs	-1886 lbs
28-30	0.40	-4006 lbs	-4006 lbs	4-29	0.28	2886 lbs	-1724 lbs	2-3	0.56	2082 lbs	-1340 lbs	7-29	0.16	3160 lbs	-1885 lbs
30-31	0.34	-3672 lbs	-3672 lbs	6-29	0.28	2886 lbs	-1724 lbs	3-25	0.65	2082 lbs	-1340 lbs	11-47	0.33	1693 lbs	-1361 lbs
31-33	0.41	-3485 lbs	-3485 lbs	8-46	0.29	2932 lbs	-2057 lbs	26-27	0.01	-108 lbs	-108 lbs	9-47	0.08	676 lbs	-315 lbs
33-35	0.42	-3251 lbs	-3251 lbs	10-46	0.29	2932 lbs	-2057 lbs	4-5	0.69	1145 lbs	-679 lbs	9-46	0.20	3222 lbs	-2259 lbs
35-37	0.38	-3251 lbs	-3251 lbs	7-32	0.37	3157 lbs	-1815 lbs	5-28	0.74	1145 lbs	-679 lbs	11-46	0.20	3200 lbs	-2252 lbs
17-37	0.50	-3036 lbs	-3036 lbs	32-34	0.57	2951 lbs	-1681 lbs	29-30	0.60	-2236 lbs	-2236 lbs	12-53	0.12	1964 lbs	-1347 lbs
15-21	0.86	-947 lbs	-947 lbs	34-36	0.44	2709 lbs	-1546 lbs	6-7	0.70	1150 lbs	-679 lbs	12-52	0.16	2222 lbs	-1819 lbs
16-21	0.86	-1881 lbs	-1881 lbs	36-38	0.48	2460 lbs	-1406 lbs	7-31	0.73	1150 lbs	-679 lbs	38-56	0.19	1212 lbs	-1089 lbs
17-40	0.45	-2761 lbs	-2761 lbs	38-39	0.43	2483 lbs	-1513 lbs	32-33	0.27	823 lbs	-729 lbs	17-56	0.88	1212 lbs	-1089 lbs
40-42	0.43	-3016 lbs	-3016 lbs	39-41	0.37	2723 lbs	-1734 lbs	34-35	0.10	224 lbs	-221 lbs	38-55	0.00	5 lbs	-3 lbs
42-44	0.45	-3262 lbs	-3262 lbs	41-43	0.38	2974 lbs	-1967 lbs	41-42	0.39	972 lbs	-876 lbs	55-56	0.00	-1 lbs	-1 lbs
44-45	0.41	-3508 lbs	-3508 lbs	9-43	0.36	3193 lbs	-2180 lbs	43-44	0.27	815 lbs	-740 lbs	39-58	0.27	1120 lbs	-1001 lbs
45-47	0.34	-3714 lbs	-3714 lbs	3-26	0.29	3620 lbs	-2281 lbs	8-9	0.71	1171 lbs	-813 lbs	40-58	0.66	1120 lbs	-1001 lbs
47-48	0.41	-4100 lbs	-4100 lbs	5-26	0.32	3620 lbs	-2275 lbs	9-45	0.74	1171 lbs	-813 lbs	39-57	0.00	24 lbs	-21 lbs
48-50	0.36	-4100 lbs	-4100 lbs	11-49	0.39	3739 lbs	-2753 lbs	46-47	0.61	-2276 lbs	-2276 lbs	57-58	0.00	-6 lbs	-6 lbs
50-51	0.37	-4258 lbs	-4258 lbs	12-49	0.32	3761 lbs	-2852 lbs	10-11	0.71	1164 lbs	-811 lbs	36-60	0.33	-1359 lbs	-1359 lbs
51-53	0.36	-4258 lbs	-4258 lbs	13-52	0.43	2062 lbs	-1685 lbs	11-48	0.75	1164 lbs	-811 lbs	37-60	0.49	-1359 lbs	-1359 lbs
53-54	0.70	-4231 lbs	-4231 lbs	19-52	0.67	2062 lbs	-1685 lbs	49-50	0.03	-263 lbs	-263 lbs	36-59	0.00	-22 lbs	-22 lbs
18-54	0.82	-1025 lbs	-1025 lbs	14-19	0.67	-406 lbs	-406 lbs	12-13	0.49	880 lbs	-703 lbs	59-60	0.00	5 lbs	-5 lbs
								12-51	0.55	880 lbs	-703 lbs	15-20	0.20	3515 lbs	-2288 lbs
								52-53	0.18	-2093 lbs	-2093 lbs	21-22	0.20	3469 lbs	-2243 lbs
								19-54	0.22	-3016 lbs	-3016 lbs	16-23	0.08	1450 lbs	-916 lbs
								14-18	0.03	688 lbs	-472 lbs	25-26	0.01	105 lbs	-65 lbs
								3-24	0.14	2628 lbs	-1656 lbs	17-55	0.99	1307 lbs	-1193 lbs

TRUSS TS16 (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 :	0.98 (18 - 52)	TL(V): 0.27 in.	L / 956	(39-9)	L / 90
BC :	0.75 (51 - 14)	LL(V): 0.17 in.	L / 999	(39-9)	L / 90
Web :	0.99 (53 - 17)	DL(V): 0.09 in.	L / 999	(39-9)	L / 0
		Cant / OH TL: 0.17 in.	2L / 999	(39-9)	2L / 90
		Cant / OH LL: 0.17 in.	2L / 999	(39-9)	2L / 90
		Horiz TL: -0.09 in.		1	
		Web :			
		Snow/Wind -0.2 in.	L / 999	(39-9)	L / 90
		Cant (Snow/Wind) -0.2 in.	L / 999	(39-9)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	2340 lbs	0 lbs	-1130 lbs	0 lbs
14	Fixed		-390 lbs	2400 lbs	0 lbs	-1150 lbs	-390 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-8-4	48-11-0

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

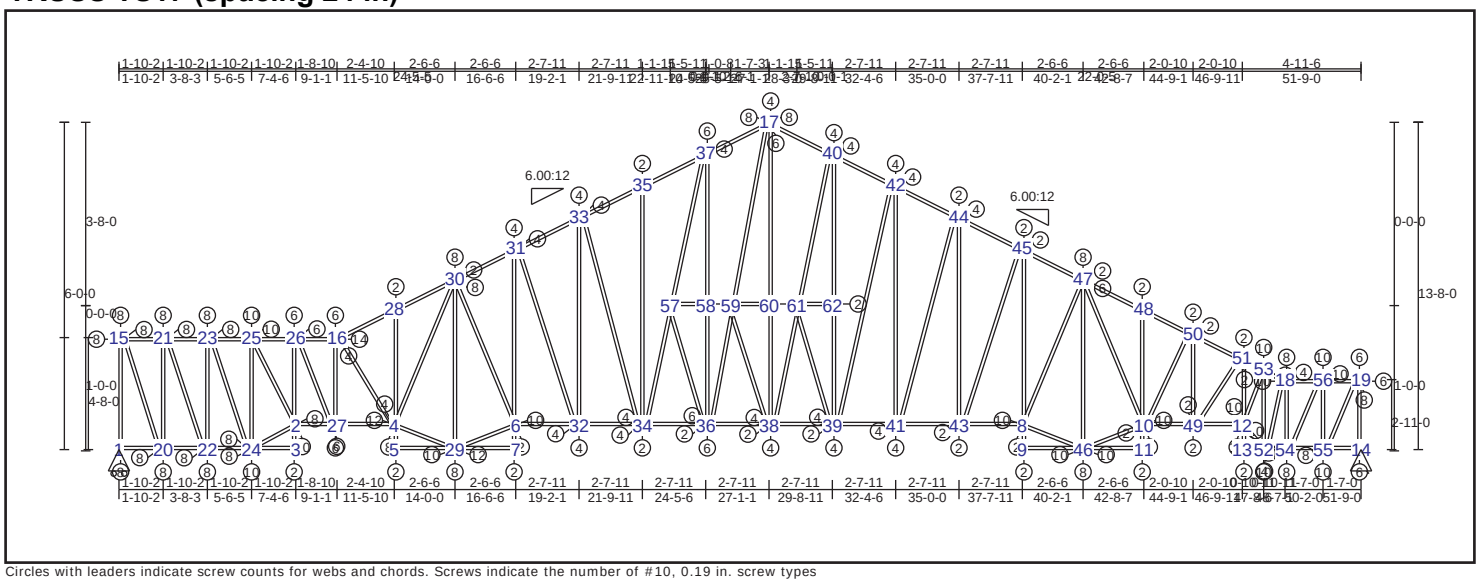
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
15-21	0.96	-1274 lbs	-1274 lbs	4-25	0.28	2861 lbs	-1751 lbs	1-15	0.26	-2431 lbs	-2431 lbs	48-49	0.22	-2414 lbs	-2414 lbs
16-21	0.71	-3527 lbs	-3527 lbs	6-25	0.28	2861 lbs	-1751 lbs	20-21	0.34	-3188 lbs	-3188 lbs	18-50	0.28	-3603 lbs	-3603 lbs
16-23	0.38	-4048 lbs	-4048 lbs	8-42	0.28	2828 lbs	-2012 lbs	2-3	0.31	696 lbs	-449 lbs	51-52	0.29	-3818 lbs	-3818 lbs
23-24	0.35	-3965 lbs	-3965 lbs	10-42	0.28	2828 lbs	-2012 lbs	2-16	0.37	-2138 lbs	-2138 lbs	14-19	0.03	469 lbs	-403 lbs
24-26	0.39	-3957 lbs	-3957 lbs	12-48	0.35	1979 lbs	-1628 lbs	22-23	0.00	44 lbs	-44 lbs	13-48	0.15	2236 lbs	-1843 lbs
26-27	0.33	-3621 lbs	-3621 lbs	48-50	0.44	1979 lbs	-1628 lbs	4-5	0.69	1139 lbs	-691 lbs	11-43	0.30	1525 lbs	-1256 lbs
27-29	0.41	-3435 lbs	-3435 lbs	50-51	0.75	-641 lbs	-641 lbs	5-24	0.73	1139 lbs	-691 lbs	11-42	0.19	3079 lbs	-2198 lbs
29-31	0.41	-3201 lbs	-3201 lbs	14-51	0.75	-400 lbs	-400 lbs	25-26	0.60	-2219 lbs	-2219 lbs	9-42	0.19	3107 lbs	-2209 lbs
31-33	0.37	-3201 lbs	-3201 lbs	11-45	0.36	3506 lbs	-2624 lbs	6-7	0.69	1140 lbs	-690 lbs	9-43	0.08	716 lbs	-353 lbs
17-33	0.50	-2986 lbs	-2986 lbs	13-45	0.30	3506 lbs	-2641 lbs	7-27	0.73	1140 lbs	-690 lbs	13-49	0.12	1959 lbs	-1383 lbs
17-36	0.43	-2711 lbs	-2711 lbs	7-28	0.37	3128 lbs	-1850 lbs	28-29	0.26	821 lbs	-720 lbs	7-25	0.17	3133 lbs	-1914 lbs
36-38	0.42	-2954 lbs	-2954 lbs	28-30	0.57	2923 lbs	-1691 lbs	30-31	0.10	224 lbs	-221 lbs	5-25	0.17	3129 lbs	-1919 lbs
38-40	0.43	-3185 lbs	-3185 lbs	30-32	0.44	2682 lbs	-1557 lbs	37-38	0.37	909 lbs	-832 lbs	5-26	0.27	1590 lbs	-1122 lbs
40-41	0.39	-3412 lbs	-3412 lbs	32-34	0.48	2433 lbs	-1418 lbs	39-40	0.25	741 lbs	-689 lbs	7-26	0.10	699 lbs	-417 lbs
41-43	0.33	-3594 lbs	-3594 lbs	34-35	0.42	2446 lbs	-1519 lbs	8-9	0.69	1130 lbs	-796 lbs	2-20	0.07	1373 lbs	-896 lbs
43-44	0.39	-3891 lbs	-3891 lbs	35-37	0.36	2673 lbs	-1731 lbs	9-41	0.72	1130 lbs	-796 lbs	2-21	0.23	3587 lbs	-2309 lbs
44-46	0.33	-3890 lbs	-3890 lbs	37-39	0.37	2907 lbs	-1952 lbs	42-43	0.59	-2191 lbs	-2191 lbs	34-56	0.18	1165 lbs	-1056 lbs
46-47	0.36	-3955 lbs	-3955 lbs	9-39	0.36	3104 lbs	-2149 lbs	10-11	0.68	1120 lbs	-792 lbs	17-56	0.85	1165 lbs	-1056 lbs
47-49	0.34	-3941 lbs	-3941 lbs	2-22	0.25	3589 lbs	-2296 lbs	11-44	0.73	1120 lbs	-792 lbs	34-53	0.00	5 lbs	-3 lbs
18-49	0.66	-3823 lbs	-3823 lbs	5-22	0.31	3589 lbs	-2296 lbs	45-46	0.01	-128 lbs	-128 lbs	53-56	0.00	-1 lbs	-1 lbs
18-52	0.98	-415 lbs	-415 lbs	1-20	0.75	1274 lbs	-832 lbs	12-13	0.47	1058 lbs	-861 lbs	32-54	0.33	-1358 lbs	-1358 lbs
19-52	0.98	-36 lbs	-36 lbs	3-20	0.75	1274 lbs	-832 lbs	13-47	0.53	1058 lbs	-861 lbs	33-54	0.49	-1358 lbs	-1358 lbs
												32-55	0.00	-22 lbs	-22 lbs
												54-55	0.00	5 lbs	-5 lbs
												35-58	0.26	1065 lbs	-963 lbs
												36-58	0.64	1065 lbs	-963 lbs

TRUSS TS17 (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 (15 - 21)	TL(V): 0.42 in.	L / 612	(6-32)	L / 90
BC :	0.89 (54 - 55)	LL(V): 0.27 in.	L / 931	(6-32)	L / 90
Web :	0.93 (59 - 17)	DL(V): 0.14 in.	L / 999	(6-32)	L / 0
		Cant / OH TL: 0.27 in.	2L / 543	(6-32)	2L / 90
		Cant / OH LL: 0.27 in.	2L / 543	(6-32)	2L / 90
		Horiz TL: -0.12 in.		1	
		Web :			
		Snow/Wind -0.3 in.	L / 862	(6-32)	L / 90
		Cant (Snow/Wind) -0.3 in.	L / 502	(6-32)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	2500 lbs	0 lbs	-1240 lbs	0 lbs
14	Fixed		-360 lbs	2520 lbs	0 lbs	-1110 lbs	-360 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-8-4	51-9-0

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

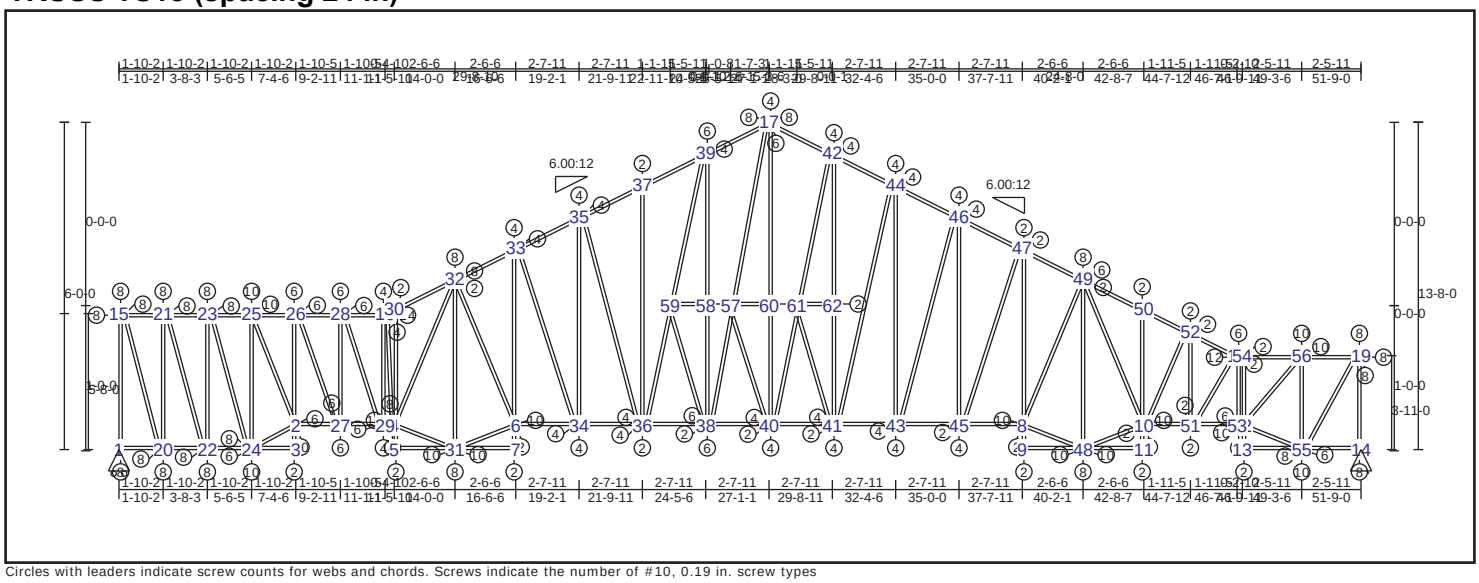
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
15-21	0.88	-937 lbs	-937 lbs	2-27	0.67	5241 lbs	-3410 lbs	1-15	0.36	-2605 lbs	-2605 lbs	52-53	0.39	-3938 lbs	-3938 lbs
21-23	0.81	-1870 lbs	-1870 lbs	4-27	0.48	5241 lbs	-3410 lbs	20-21	0.44	-3171 lbs	-3171 lbs	18-54	0.26	-2923 lbs	-2923 lbs
23-25	0.76	-4383 lbs	-4383 lbs	6-32	0.50	3837 lbs	-2363 lbs	22-23	0.38	-2732 lbs	-2732 lbs	55-56	0.31	-3440 lbs	-3440 lbs
25-26	0.59	-4401 lbs	-4401 lbs	32-34	0.73	3495 lbs	-2083 lbs	24-25	0.49	-3565 lbs	-3565 lbs	14-19	0.20	-2204 lbs	-2204 lbs
16-26	0.72	-5241 lbs	-5241 lbs	34-36	0.57	3147 lbs	-1840 lbs	2-3	0.64	1470 lbs	-962 lbs	12-53	0.22	3567 lbs	-2564 lbs
16-28	0.56	-5406 lbs	-5406 lbs	36-38	0.57	2816 lbs	-1657 lbs	2-26	0.75	-2207 lbs	-2207 lbs	12-52	0.22	4007 lbs	-3009 lbs
28-30	0.51	-5319 lbs	-5319 lbs	38-39	0.44	2777 lbs	-1729 lbs	16-27	0.20	-1892 lbs	-1892 lbs	6-30	0.08	511 lbs	-328 lbs
30-31	0.42	-4402 lbs	-4402 lbs	39-41	0.38	3015 lbs	-1945 lbs	4-5	0.92	1483 lbs	-930 lbs	4-30	0.45	2719 lbs	-1864 lbs
31-33	0.53	-4071 lbs	-4071 lbs	41-43	0.39	3264 lbs	-2173 lbs	4-28	0.97	1483 lbs	-1023 lbs	2-24	0.15	2949 lbs	-1942 lbs
33-35	0.50	-3705 lbs	-3705 lbs	8-43	0.39	3477 lbs	-2377 lbs	29-30	0.77	-2872 lbs	-2872 lbs	2-25	0.29	3855 lbs	-2501 lbs
35-37	0.42	-3705 lbs	-3705 lbs	10-49	0.41	4006 lbs	-2907 lbs	6-7	0.88	1448 lbs	-906 lbs	4-29	0.22	4088 lbs	-2584 lbs
17-37	0.59	-3407 lbs	-3407 lbs	12-49	0.40	4006 lbs	-2944 lbs	6-31	0.93	1448 lbs	-906 lbs	6-29	0.22	3988 lbs	-2516 lbs
17-40	0.46	-3053 lbs	-3053 lbs	1-20	0.89	937 lbs	-624 lbs	32-33	0.37	1301 lbs	-1025 lbs	8-46	0.21	3484 lbs	-2435 lbs
40-42	0.45	-3306 lbs	-3306 lbs	20-22	0.89	1870 lbs	-1238 lbs	34-35	0.09	220 lbs	-215 lbs	8-47	0.10	792 lbs	-411 lbs
42-44	0.47	-3549 lbs	-3549 lbs	22-24	0.70	2653 lbs	-1747 lbs	41-42	0.38	962 lbs	-855 lbs	10-46	0.21	3457 lbs	-2423 lbs
44-45	0.42	-3793 lbs	-3793 lbs	3-24	0.58	2653 lbs	-1747 lbs	43-44	0.26	804 lbs	-717 lbs	10-47	0.33	1770 lbs	-1385 lbs
45-47	0.36	-3994 lbs	-3994 lbs	5-29	0.37	3642 lbs	-2301 lbs	8-9	0.77	1266 lbs	-877 lbs	36-58	0.42	-1712 lbs	-1712 lbs
47-48	0.43	-4366 lbs	-4366 lbs	7-29	0.37	3642 lbs	-2301 lbs	8-45	0.80	1266 lbs	-877 lbs	37-58	0.62	-1712 lbs	-1712 lbs
48-50	0.38	-4366 lbs	-4366 lbs	9-46	0.31	3172 lbs	-2218 lbs	46-47	0.67	-2463 lbs	-2463 lbs	36-57	0.00	-28 lbs	-28 lbs
50-51	0.40	-4501 lbs	-4501 lbs	11-46	0.31	3172 lbs	-2218 lbs	10-11	0.76	1256 lbs	-873 lbs	57-58	0.00	7 lbs	-6 lbs
51-53	0.45	-4501 lbs	-4501 lbs	13-52	0.21	2706 lbs	-2029 lbs	10-48	0.82	1256 lbs	-873 lbs	38-60	0.18	1199 lbs	-1070 lbs
18-53	0.47	-4338 lbs	-4338 lbs	52-54	0.30	2706 lbs	-2029 lbs	49-50	0.02	-200 lbs	-200 lbs	17-60	0.87	1199 lbs	-1070 lbs
18-56	0.86	-2419 lbs	-2419 lbs	54-55	0.89	2449 lbs	-1865 lbs	12-13	0.66	3090 lbs	-2302 lbs	16-28	0.13	-1051 lbs	-1051 lbs
19-56	0.88	-1105 lbs	-1105 lbs	14-55	0.89	1135 lbs	-1034 lbs	12-51	0.79	3090 lbs	-2302 lbs	36-59	0.21	1644 lbs	-1405 lbs
												17-59	0.93	1641 lbs	-1399 lbs
												34-57	0.23	1594 lbs	-1331 lbs
												37-57	0.32	1569 lbs	-1310 lbs

TRUSS TS18 (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 :	0.81 15 - 21)	TL(V): 0.41 in.	L / 619	(6-34)	L / 90
BC :	0.89 (1 - 20)	LL(V): 0.27 in.	L / 940	(6-34)	L / 90
Web :	0.96 (57 - 17)	DL(V): 0.14 in.	L / 999	(6-34)	L / 0
		Cant / OH TL: 0.27 in.	2L / 548	(6-34)	2L / 90
		Cant / OH LL: 0.27 in.	2L / 548	(6-34)	2L / 90
		Horiz TL: -0.11 in.		1	
		Web :			
		Snow/Wind -0.29 in.	L / 865	(6-34)	L / 90
		Cant (Snow/Wind) -0.29 in.	L / 504	(6-34)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	2500 lbs	0 lbs	-1250 lbs	0 lbs
14	Fixed		-340 lbs	2510 lbs	0 lbs	-1090 lbs	-340 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-8-4	51-9-0

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

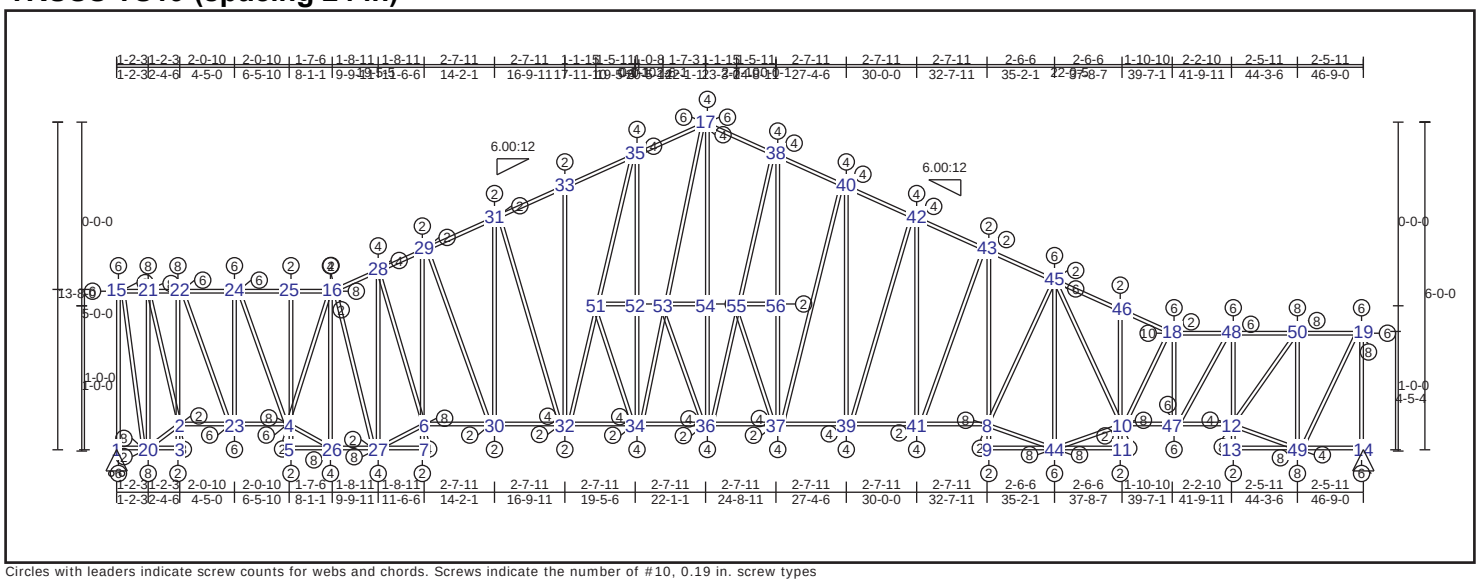
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web							
15-21	0.81	-769 lbs	-769 lbs	2-27	0.55	4164 lbs	-2727 lbs	1-15	0.49	-2609 lbs	-2609 lbs	12-13	0.46	770 lbs	-584 lbs
21-23	0.81	-1534 lbs	-1534 lbs	27-29	0.54	4739 lbs	-3082 lbs	20-21	0.60	-3173 lbs	-3173 lbs	12-54	0.48	770 lbs	-584 lbs
23-25	0.76	-3430 lbs	-3430 lbs	4-29	0.58	4739 lbs	-3082 lbs	22-23	0.51	-2736 lbs	-2736 lbs	55-56	0.38	-3363 lbs	-3363 lbs
25-26	0.55	-3441 lbs	-3441 lbs	6-34	0.51	3855 lbs	-2421 lbs	24-25	0.62	-3323 lbs	-3323 lbs	14-19	0.28	-2444 lbs	-2444 lbs
26-28	0.63	-4164 lbs	-4164 lbs	34-36	0.72	3513 lbs	-2145 lbs	2-3	0.52	1225 lbs	-805 lbs	2-25	0.34	3438 lbs	-2243 lbs
16-28	0.60	-4739 lbs	-4739 lbs	36-38	0.57	3167 lbs	-1865 lbs	2-26	0.61	-2135 lbs	-2135 lbs	2-24	0.13	2422 lbs	-1604 lbs
16-30	0.53	-5270 lbs	-5270 lbs	38-40	0.57	2837 lbs	-1684 lbs	27-28	0.28	-2021 lbs	-2021 lbs	4-31	0.22	3959 lbs	-2544 lbs
30-32	0.51	-5286 lbs	-5286 lbs	40-41	0.44	2800 lbs	-1755 lbs	16-29	0.21	-1496 lbs	-1496 lbs	4-32	0.44	2702 lbs	-1843 lbs
32-33	0.43	-4398 lbs	-4398 lbs	41-43	0.38	3041 lbs	-1969 lbs	4-5	0.88	1437 lbs	-916 lbs	6-31	0.22	3999 lbs	-2560 lbs
33-35	0.54	-4074 lbs	-4074 lbs	43-45	0.39	3293 lbs	-2193 lbs	4-30	0.96	1437 lbs	-1222 lbs	6-32	0.08	532 lbs	-352 lbs
35-37	0.50	-3708 lbs	-3708 lbs	8-45	0.39	3510 lbs	-2392 lbs	31-32	0.76	-2829 lbs	-2829 lbs	10-48	0.21	3494 lbs	-2428 lbs
37-39	0.42	-3708 lbs	-3708 lbs	10-51	0.41	4059 lbs	-2883 lbs	6-7	0.88	1451 lbs	-922 lbs	10-49	0.33	1806 lbs	-1360 lbs
17-39	0.59	-3411 lbs	-3411 lbs	51-53	0.37	4059 lbs	-2893 lbs	6-33	0.93	1451 lbs	-922 lbs	8-48	0.21	3521 lbs	-2442 lbs
17-42	0.47	-3059 lbs	-3059 lbs	12-53	0.59	4043 lbs	-2893 lbs	34-35	0.37	1298 lbs	-1008 lbs	8-49	0.10	791 lbs	-432 lbs
42-44	0.45	-3314 lbs	-3314 lbs	1-20	0.89	769 lbs	-514 lbs	36-37	0.10	220 lbs	-216 lbs	12-56	0.28	3952 lbs	-2602 lbs
44-46	0.47	-3560 lbs	-3560 lbs	20-22	0.89	1534 lbs	-1021 lbs	43-44	0.37	974 lbs	-841 lbs	12-55	0.12	1740 lbs	-1392 lbs
46-47	0.43	-3807 lbs	-3807 lbs	22-24	0.70	2176 lbs	-1442 lbs	45-46	0.25	818 lbs	-700 lbs	41-62	0.26	1121 lbs	-971 lbs
47-49	0.37	-4012 lbs	-4012 lbs	3-24	0.58	2176 lbs	-1442 lbs	8-9	0.78	1279 lbs	-879 lbs	42-62	0.64	1121 lbs	-971 lbs
49-50	0.43	-4399 lbs	-4399 lbs	5-31	0.36	3652 lbs	-2341 lbs	8-47	0.81	1279 lbs	-879 lbs	41-61	0.00	24 lbs	-20 lbs
50-52	0.39	-4399 lbs	-4399 lbs	7-31	0.36	3652 lbs	-2341 lbs	48-49	0.67	-2489 lbs	-2489 lbs	61-62	0.00	-6 lbs	-6 lbs
18-52	0.41	-4543 lbs	-4543 lbs	9-48	0.32	3205 lbs	-2225 lbs	10-11	0.77	1269 lbs	-874 lbs	38-58	0.42	-1707 lbs	-1707 lbs
18-54	0.65	-4013 lbs	-4013 lbs	11-48	0.32	3205 lbs	-2225 lbs	10-50	0.83	1269 lbs	-874 lbs	39-58	0.62	-1707 lbs	-1707 lbs
54-56	0.81	-4013 lbs	-4013 lbs	13-55	0.85	1440 lbs	-1179 lbs	51-52	0.02	231 lbs	-175 lbs	38-59	0.00	-28 lbs	-28 lbs
19-56	0.81	-1410 lbs	-1410 lbs	14-55	0.85	1440 lbs	-1179 lbs	18-53	0.17	-1920 lbs	-1920 lbs	58-59	0.00	7 lbs	-6 lbs
								36-59	0.22	1589 lbs	-1315 lbs	40-60	0.18	1208 lbs	-1060 lbs
								39-59	0.32	1564 lbs	-1294 lbs	17-60	0.86	1208 lbs	-1060 lbs
								38-57	0.21	1640 lbs	-1391 lbs	40-57	0.00	6 lbs	-3 lbs
								17-57	0.96	1637 lbs	-1385 lbs	57-60	0.00	-1 lbs	-1 lbs

TRUSS TS19 (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 :	0.94 (15 - 21)	TL(V): 0.26 in.	L / 971	(41-8)	L / 90
BC :	0.83 (1 - 20)	LL(V): 0.17 in.	L / 999	(41-8)	L / 90
Web :	0.88 (55 - 38)	DL(V): 0.09 in.	L / 999	(41-8)	L / 0
		Cant / OH TL: 0.17 in.	2L / 0	43	2L / 90
		Cant / OH LL: 0.17 in.	2L / 0	43	2L / 90
		Horiz TL: -0.08 in.		1	
		Web :			
		Snow/Wind -0.2 in.	L / 999	(41-8)	L / 90
		Cant (Snow/Wind) -0.19 in.	L / 0	43	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	2260 lbs	0 lbs	-1090 lbs	0 lbs
14	Fixed		-310 lbs	2260 lbs	0 lbs	-1120 lbs	-310 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-54(50)	Sheathing
Bot Chd	362S162-54(50)	Purlin (24 in.)
Web	362S162-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
13-8-4	46-9-0

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

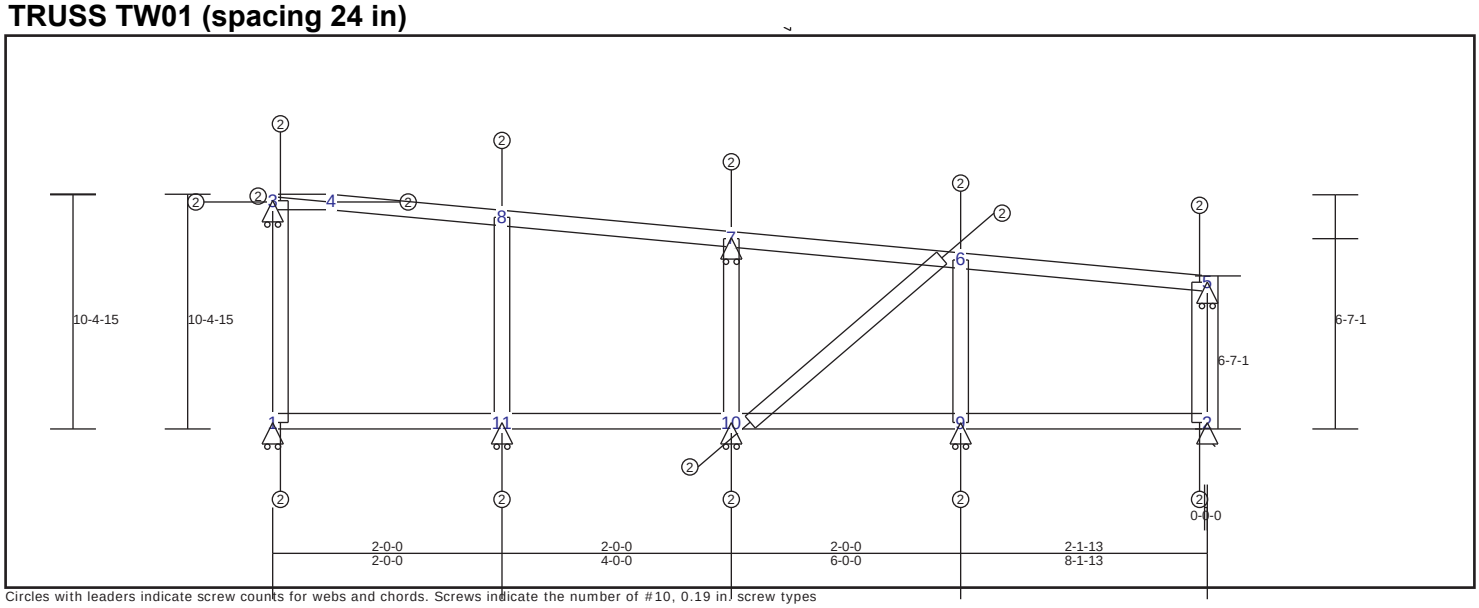
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
15-21	0.94	-892 lbs	-892 lbs	6-30	0.38	2694 lbs	-1700 lbs	1-15	0.58	-2391 lbs	-2391 lbs	12-13	0.26	520 lbs	-454 lbs
21-22	0.62	-896 lbs	-896 lbs	30-32	0.40	2600 lbs	-1640 lbs	20-21	0.71	-2901 lbs	-2901 lbs	12-48	0.61	-2027 lbs	-2027 lbs
22-24	0.62	-1620 lbs	-1620 lbs	32-34	0.36	2446 lbs	-1547 lbs	2-3	0.24	381 lbs	-245 lbs	49-50	0.42	-2825 lbs	-2825 lbs
24-25	0.60	-2229 lbs	-2229 lbs	34-36	0.39	2264 lbs	-1440 lbs	2-22	0.74	-2452 lbs	-2452 lbs	14-19	0.33	-2231 lbs	-2231 lbs
16-25	0.42	-2311 lbs	-2311 lbs	36-37	0.43	2338 lbs	-1568 lbs	23-24	0.42	-2214 lbs	-2214 lbs	6-28	0.20	1274 lbs	-787 lbs
16-28	0.26	-3058 lbs	-3058 lbs	37-39	0.36	2580 lbs	-1784 lbs	4-5	0.58	1373 lbs	-867 lbs	6-27	0.14	2717 lbs	-1718 lbs
28-29	0.26	-3058 lbs	-3058 lbs	39-41	0.38	2834 lbs	-2011 lbs	4-25	0.76	1758 lbs	-1067 lbs	4-26	0.13	2603 lbs	-1653 lbs
29-31	0.31	-3001 lbs	-3001 lbs	8-41	0.37	3056 lbs	-2214 lbs	16-26	0.33	-1336 lbs	-1336 lbs	4-16	0.06	-285 lbs	-285 lbs
31-33	0.35	-2878 lbs	-2878 lbs	2-23	0.76	1620 lbs	-1047 lbs	27-28	0.46	-1567 lbs	-1567 lbs	2-21	0.35	2784 lbs	-1811 lbs
33-35	0.34	-2878 lbs	-2878 lbs	4-23	0.61	1699 lbs	-1086 lbs	6-7	0.57	1356 lbs	-851 lbs	2-20	0.01	154 lbs	-100 lbs
17-35	0.43	-2731 lbs	-2731 lbs	10-47	0.35	3562 lbs	-2690 lbs	6-29	0.63	1356 lbs	-851 lbs	8-45	0.09	617 lbs	-356 lbs
17-38	0.43	-2522 lbs	-2522 lbs	12-47	0.53	3562 lbs	-2690 lbs	30-31	0.12	422 lbs	-341 lbs	8-44	0.20	3097 lbs	-2279 lbs
38-40	0.42	-2778 lbs	-2778 lbs	1-20	0.83	317 lbs	-207 lbs	32-33	0.10	227 lbs	-225 lbs	10-45	0.32	1679 lbs	-1333 lbs
40-42	0.43	-3026 lbs	-3026 lbs	3-20	0.83	317 lbs	-207 lbs	39-40	0.38	981 lbs	-851 lbs	10-44	0.20	3107 lbs	-2289 lbs
42-43	0.40	-3275 lbs	-3275 lbs	5-26	0.18	2311 lbs	-1470 lbs	41-42	0.26	825 lbs	-712 lbs	12-49	0.09	1101 lbs	-1044 lbs
43-45	0.33	-3485 lbs	-3485 lbs	26-27	0.18	2362 lbs	-1495 lbs	8-9	0.68	1126 lbs	-821 lbs	12-50	0.27	2885 lbs	-2026 lbs
45-46	0.39	-3889 lbs	-3889 lbs	7-27	0.13	2362 lbs	-1495 lbs	8-43	0.71	1126 lbs	-821 lbs	34-52	0.26	-1069 lbs	-1069 lbs
18-46	0.31	-3884 lbs	-3884 lbs	9-44	0.28	2817 lbs	-2076 lbs	44-45	0.59	-2197 lbs	-2197 lbs	35-52	0.38	-1069 lbs	-1069 lbs
18-48	0.57	-3532 lbs	-3532 lbs	11-44	0.28	2817 lbs	-2076 lbs	10-11	0.69	1130 lbs	-824 lbs	34-51	0.00	-16 lbs	-16 lbs
48-50	0.53	-2563 lbs	-2563 lbs	13-49	0.74	1054 lbs	-987 lbs	10-46	0.71	1130 lbs	-824 lbs	51-52	0.00	4 lbs	-4 lbs
19-50	0.89	-1003 lbs	-1003 lbs	14-49	0.74	1054 lbs	-987 lbs	18-47	0.21	-1845 lbs	-1845 lbs	36-54	0.19	1223 lbs	-1073 lbs
								38-55	0.88	-1273 lbs	-1273 lbs	17-54	0.87	1223 lbs	-1073 lbs
								37-40	0.53	-1124 lbs	-1124 lbs	36-53	0.00	-4 lbs	-4 lbs
								39-42	0.38	-992 lbs	-992 lbs	53-54	0.00	0 lbs	0 lbs
								41-43	0.23	-725 lbs	-725 lbs	37-56	0.26	1127 lbs	-980 lbs

TRUSS TW01 (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 :	0.43 (8 - 7)	TL(V): 0.07 in.	L / 999	(4-8)	L / 90
BC :	0.03 (1 - 11)	LL(V): 0.06 in.	L / 999	(4-8)	L / 90
Web :	0.20 (11 - 8)	DL(V): 0.01 in.	L / 999	(4-8)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind 0 in.	L / 999		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: None
4)Snow Criteria: None
5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
2	Fixed		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
3	HRoll		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
5	HRoll		0 lbs	60 lbs	0 lbs	0 lbs	0 lbs
7	HRoll		0 lbs	80 lbs	0 lbs	0 lbs	0 lbs
9	HRoll		0 lbs	190 lbs	0 lbs	0 lbs	0 lbs
10	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
11	HRoll		0 lbs	260 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
10-4-15	8-1-13

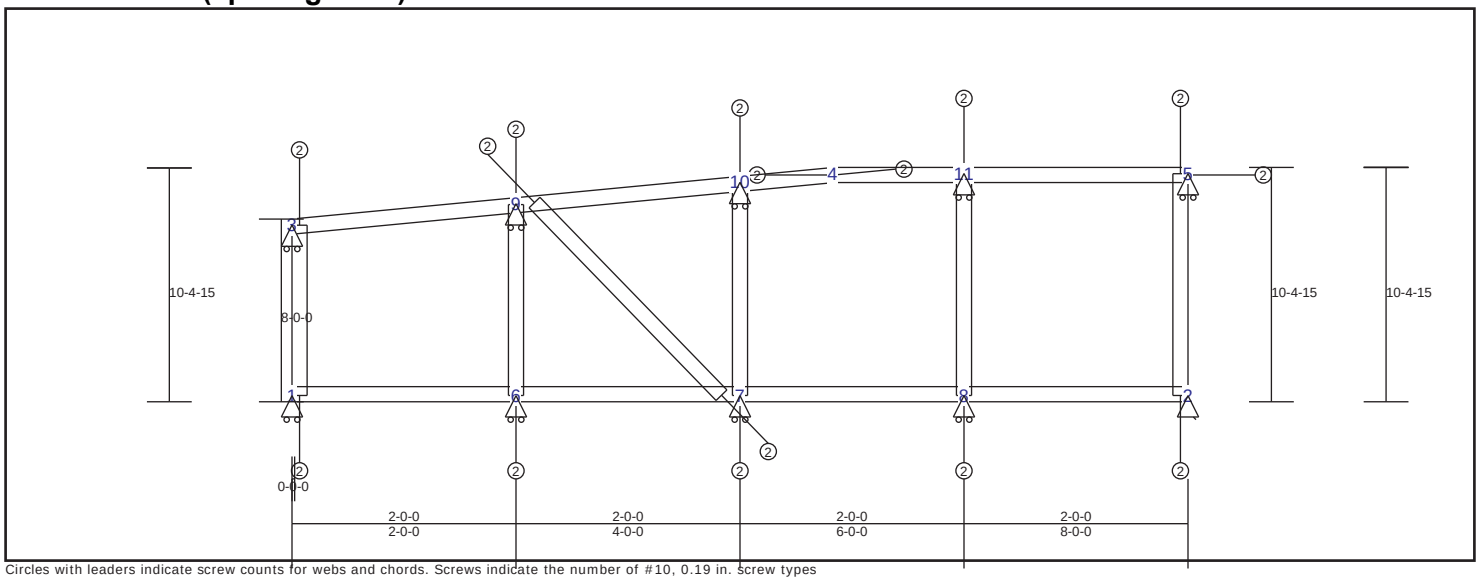
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-4	0.01	0 lbs	0 lbs	1-11	0.03	0 lbs	0 lbs	1-3	0.00	0 lbs	0 lbs
4-8	0.34	-52 lbs	-52 lbs	10-11	0.03	0 lbs	0 lbs	2-5	0.00	0 lbs	0 lbs
7-8	0.43	-52 lbs	-52 lbs	9-10	0.02	0 lbs	0 lbs	6-9	0.10	-169 lbs	-169 lbs
6-7	0.13	-37 lbs	-37 lbs	2-9	0.02	0 lbs	0 lbs	8-11	0.20	-233 lbs	-233 lbs
5-6	0.14	-37 lbs	-37 lbs					7-10	0.00	0 lbs	0 lbs
								6-10	0.00	0 lbs	0 lbs

TRUSS TW02 (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 :	0.15 (4 - 11)	TL(V): 0 in.	L / 999	(3-9)	L / 90
BC :	0.03 (1 - 6)	LL(V): 0 in.	L / 999	(3-9)	L / 90
Web :	0.00 (1 - 3)	DL(V): 0 in.	L / 999	(3-9)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: 0 in.		4	
		Web :			
		Snow/Wind 0 in.	L / 999		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
1	HRoll		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
2	Fixed		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
3	HRoll		0 lbs	50 lbs	0 lbs	0 lbs	0 lbs
5	HRoll		0 lbs	50 lbs	0 lbs	0 lbs	0 lbs
6	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
7	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
8	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
9	HRoll		0 lbs	140 lbs	0 lbs	0 lbs	0 lbs
10	HRoll		0 lbs	140 lbs	0 lbs	0 lbs	0 lbs
11	HRoll		0 lbs	150 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
10-4-15	8-0-0

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: None
4)Snow Criteria: None
5)For Wall Truss when sheathed Ly = 12 inches is used

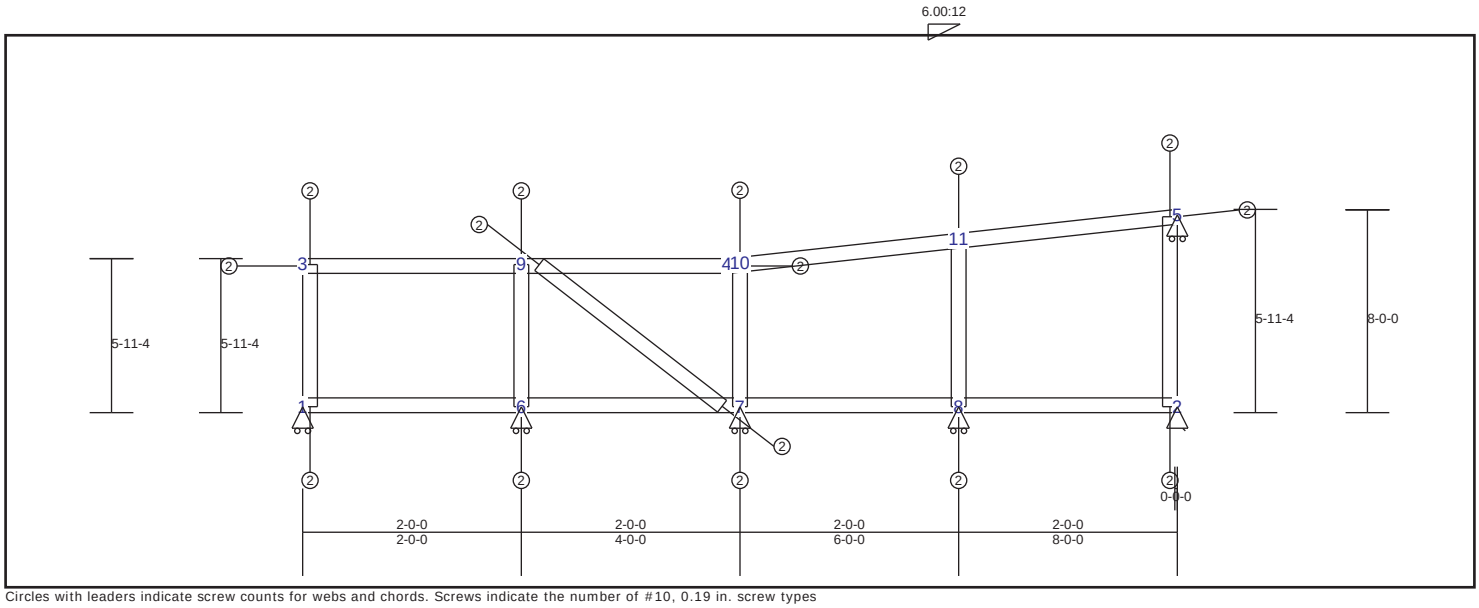
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-9	0.11	-29 lbs	-29 lbs	1-6	0.03	0 lbs	0 lbs	1-3	0.00	0 lbs	0 lbs
9-10	0.14	-30 lbs	-30 lbs	6-7	0.03	0 lbs	0 lbs	6-9	0.00	0 lbs	0 lbs
4-10	0.11	-30 lbs	-30 lbs	7-8	0.02	0 lbs	0 lbs	7-10	0.00	0 lbs	0 lbs
4-11	0.15	0 lbs	0 lbs	2-8	0.02	0 lbs	0 lbs	8-11	0.00	0 lbs	0 lbs
5-11	0.15	0 lbs	0 lbs					2-5	0.00	0 lbs	0 lbs
								7-9	0.00	0 lbs	0 lbs

TRUSS TW03 (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 :	0.13 (10 - 11)	TL(V): 0 in.	L / 999	(3-9)	L / 90
BC :	0.03 (1 - 6)	LL(V): 0 in.	L / 999	(3-9)	L / 90
Web :	0.08 (8 - 11)	DL(V): 0 in.	L / 999	(3-9)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: 0 in.		5	
		Web :			
		Snow/Wind 0 in.	L / 999		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
1	HRoll		0 lbs	60 lbs	0 lbs	0 lbs	0 lbs
2	Fixed		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
5	HRoll		0 lbs	50 lbs	0 lbs	0 lbs	0 lbs
6	HRoll		0 lbs	190 lbs	0 lbs	0 lbs	0 lbs
7	HRoll		0 lbs	130 lbs	0 lbs	0 lbs	0 lbs
8	HRoll		0 lbs	190 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
7-11-10	8-0-0

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: None
4)Snow Criteria: None
5)For Wall Truss when sheathed Ly = 12 inches is used

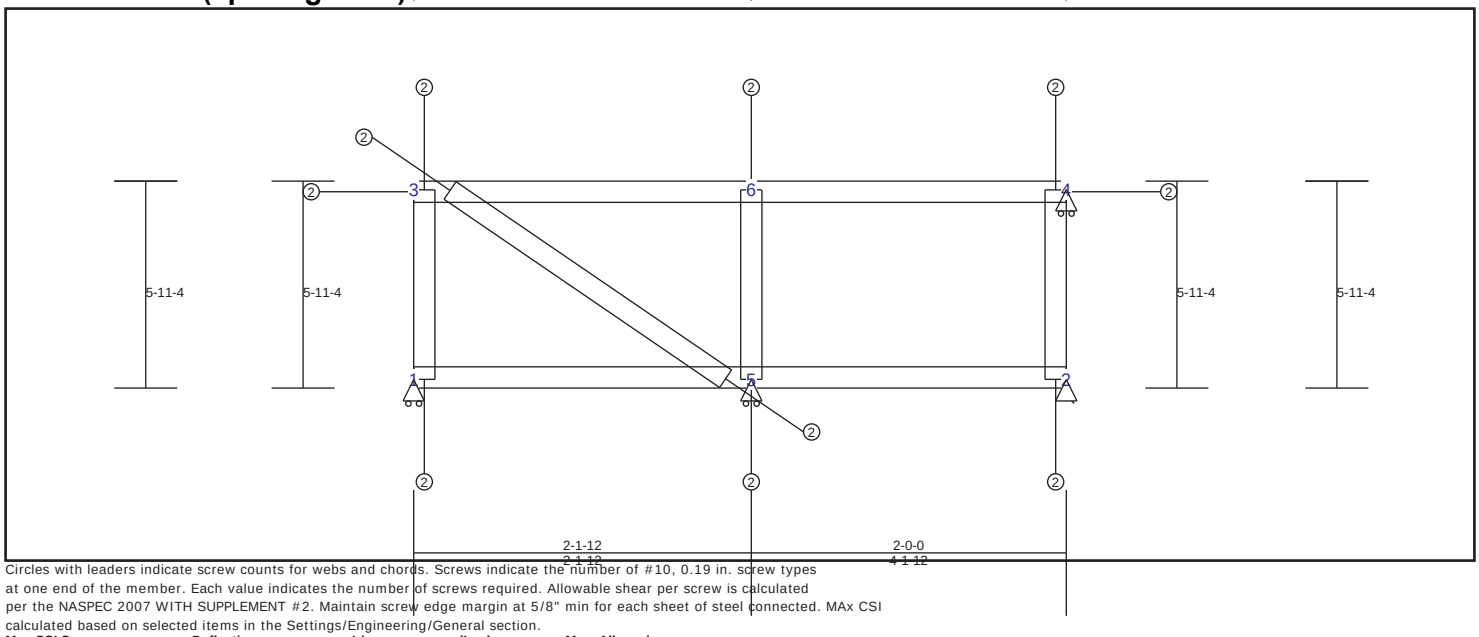
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-9	0.13	0 lbs	0 lbs	1-6	0.03	0 lbs	0 lbs	1-3	0.02	-50 lbs	-50 lbs
4-9	0.13	0 lbs	0 lbs	6-7	0.03	0 lbs	0 lbs	6-9	0.06	-159 lbs	-159 lbs
4-10	0.04	-25 lbs	-25 lbs	7-8	0.02	0 lbs	0 lbs	7-10	0.04	-111 lbs	-111 lbs
10-11	0.13	-37 lbs	-37 lbs	2-8	0.02	0 lbs	0 lbs	8-11	0.08	-162 lbs	-162 lbs
5-11	0.09	-37 lbs	-37 lbs					2-5	0.00	0 lbs	0 lbs
								7-9	0.00	0 lbs	0 lbs

TRUSS TW04 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.14 (3 - 6)	TL(V): 0 in.	L / 999	3	L / 90
BC :	0.03 (1 - 5)	LL(V): 0 in.	L / 999	3	L / 90
Web :	0.06 (5 - 6)	DL(V): 0 in.	L / 999	3	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: 0 in.		3	
		Web :			
		Snow/Wind 0 in.	L / 999		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: None
4)Snow Criteria: None
5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	60 lbs	0 lbs	0 lbs	0 lbs
2	Fixed		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
4	HRoll		0 lbs	50 lbs	0 lbs	0 lbs	0 lbs
5	HRoll		0 lbs	200 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
5-11-4	4-1-12

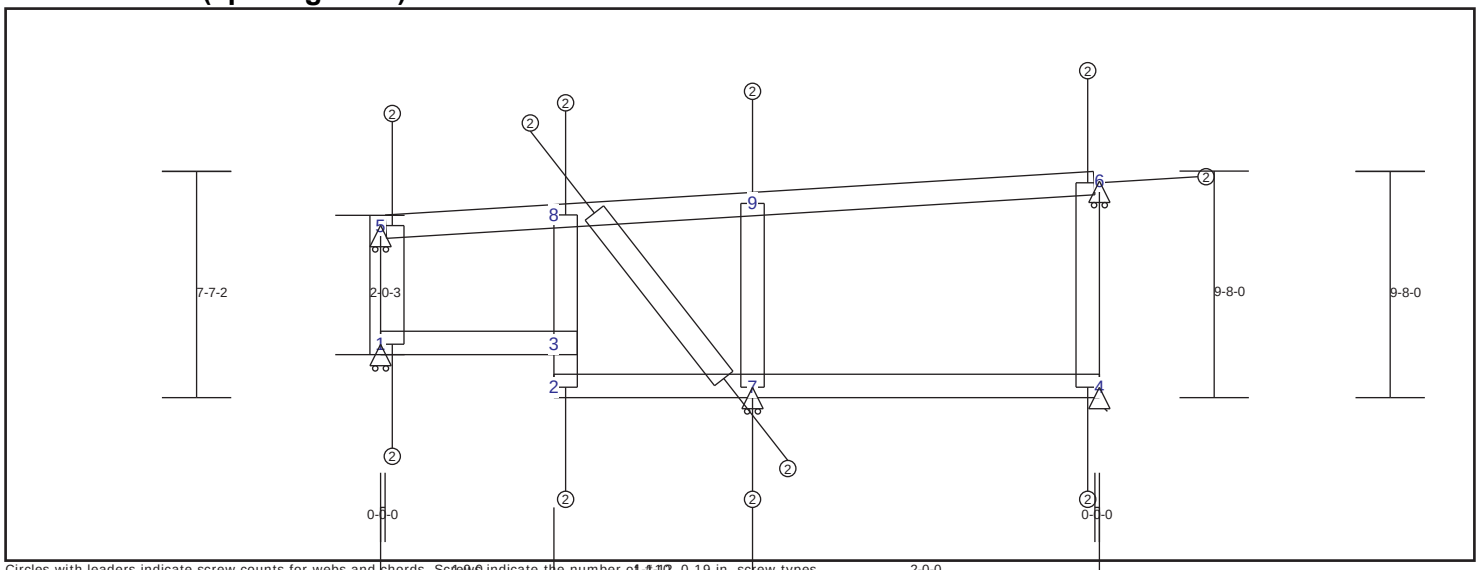
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.14	0 lbs	0 lbs	1-5	0.03	0 lbs	0 lbs	1-3	0.02	-54 lbs	-54 lbs
4-6	0.14	0 lbs	0 lbs	2-5	0.03	0 lbs	0 lbs	5-6	0.06	-167 lbs	-167 lbs
								2-4	0.00	0 lbs	0 lbs
								3-5	0.00	0 lbs	0 lbs

TRUSS TW05 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of 1-1/2, 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 :	0.13 (8 - 9)	TL(V): 0.01 in.	L / 999	(5-8)	L / 90
BC :	0.05 (2 - 7)	LL(V): 0.01 in.	L / 999	(5-8)	L / 90
Web :	0.11 (7 - 9)	DL(V): 0.01 in.	L / 999	(5-8)	L / 0
		Cant / OH TL: 0.01 in.	2L / 999	(5-8)	2L / 90
		Cant / OH LL: 0.01 in.	2L / 999	(5-8)	2L / 90
		Horiz TL: -0.02 in.		6	
		Web :			
		Snow/Wind 0 in.	L / 999		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: None
4)Snow Criteria: None
5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	20 lbs	0 lbs	0 lbs	0 lbs
4	Fixed		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
5	HRoll		0 lbs	50 lbs	0 lbs	0 lbs	0 lbs
6	HRoll		0 lbs	50 lbs	0 lbs	0 lbs	0 lbs
7	HRoll		0 lbs	200 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
9-7-10	4-1-12

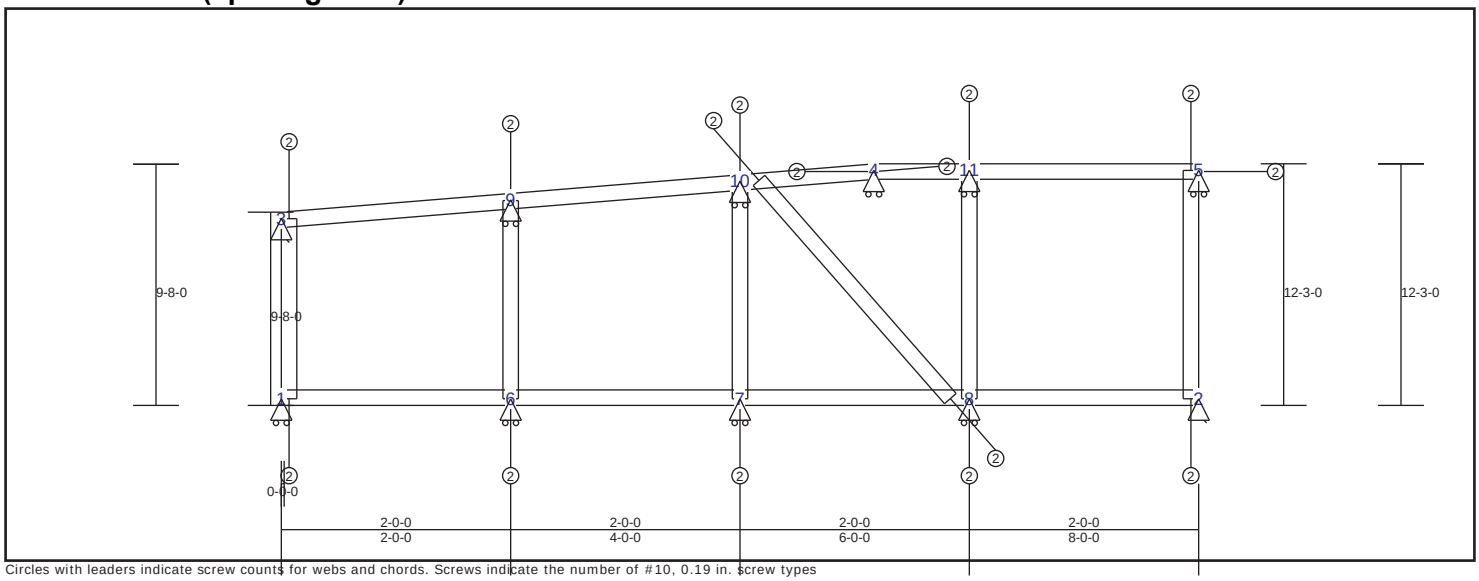
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
5-8	0.08	-21 lbs	-21 lbs	2-7	0.05	1 lbs	0 lbs	1-5	0.00	0 lbs	0 lbs
8-9	0.13	-36 lbs	-36 lbs	4-7	0.05	0 lbs	0 lbs	2-3	0.01	-3 lbs	-3 lbs
6-9	0.09	-36 lbs	-36 lbs	1-3	0.05	0 lbs	0 lbs	3-8	0.06	-8 lbs	-8 lbs
								7-9	0.11	-154 lbs	-154 lbs
								4-6	0.00	0 lbs	0 lbs
								7-8	0.01	-14 lbs	-14 lbs

TRUSS TW06 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.11 (4 - 11)	TL(V): 0 in.	L / 999	(3-9)	L / 90
BC :	0.03 (1 - 6)	LL(V): 0 in.	L / 999	(3-9)	L / 90
Web :	0.00 (10 - 8)	DL(V): 0 in.	L / 999	(3-9)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: 0 in.		10	
		Web :			
		Snow/Wind 0 in.	L / 999		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: None
4)Snow Criteria: None
5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
2	Fixed		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
3	Fixed		0 lbs	60 lbs	0 lbs	0 lbs	0 lbs
4	HRoll		0 lbs	20 lbs	0 lbs	0 lbs	0 lbs
5	HRoll		0 lbs	50 lbs	0 lbs	0 lbs	0 lbs
6	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
7	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
8	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
9	HRoll		0 lbs	140 lbs	0 lbs	0 lbs	0 lbs
10	HRoll		0 lbs	130 lbs	0 lbs	0 lbs	0 lbs
11	HRoll		0 lbs	130 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-3-0	8-0-0

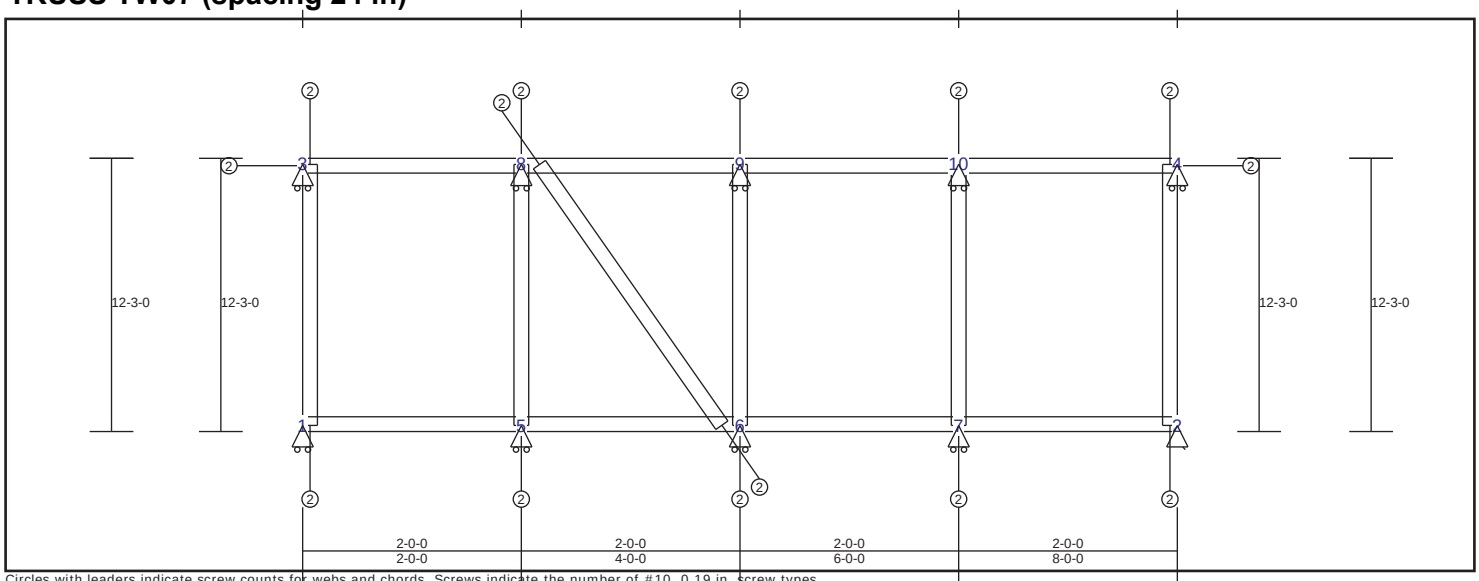
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-9	0.10	-30 lbs	-30 lbs	1-6	0.03	0 lbs	0 lbs	1-3	0.00	0 lbs	0 lbs
9-10	0.09	-30 lbs	-30 lbs	6-7	0.03	0 lbs	0 lbs	8-11	0.00	0 lbs	0 lbs
4-10	0.08	-27 lbs	-27 lbs	7-8	0.02	1 lbs	0 lbs	7-10	0.00	0 lbs	0 lbs
4-11	0.11	0 lbs	0 lbs	2-8	0.02	1 lbs	0 lbs	6-9	0.00	0 lbs	0 lbs
5-11	0.11	0 lbs	0 lbs					2-5	0.00	0 lbs	0 lbs
								8-10	0.00	7 lbs	0 lbs

TRUSS TW07 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.12 (3 - 8)	TL(V): 0 in.	L / 999	(3-8)	L / 90
BC :	0.03 (1 - 5)	LL(V): 0 in.	L / 999	(3-8)	L / 90
Web :	0.00 (1 - 3)	DL(V): 0 in.	L / 999	(3-8)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: 0 in.		3	
		Web :			
		Snow/Wind 0 in.	L / 999		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
1	HRoll		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
2	Fixed		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
3	HRoll		0 lbs	50 lbs	0 lbs	0 lbs	0 lbs
4	HRoll		0 lbs	50 lbs	0 lbs	0 lbs	0 lbs
5	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
6	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
7	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
8	HRoll		0 lbs	150 lbs	0 lbs	0 lbs	0 lbs
9	HRoll		0 lbs	130 lbs	0 lbs	0 lbs	0 lbs
10	HRoll		0 lbs	150 lbs	0 lbs	0 lbs	0 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: None
4)Snow Criteria: None
5)For Wall Truss when sheathed Ly = 12 inches is used

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-3-0	8-0-0

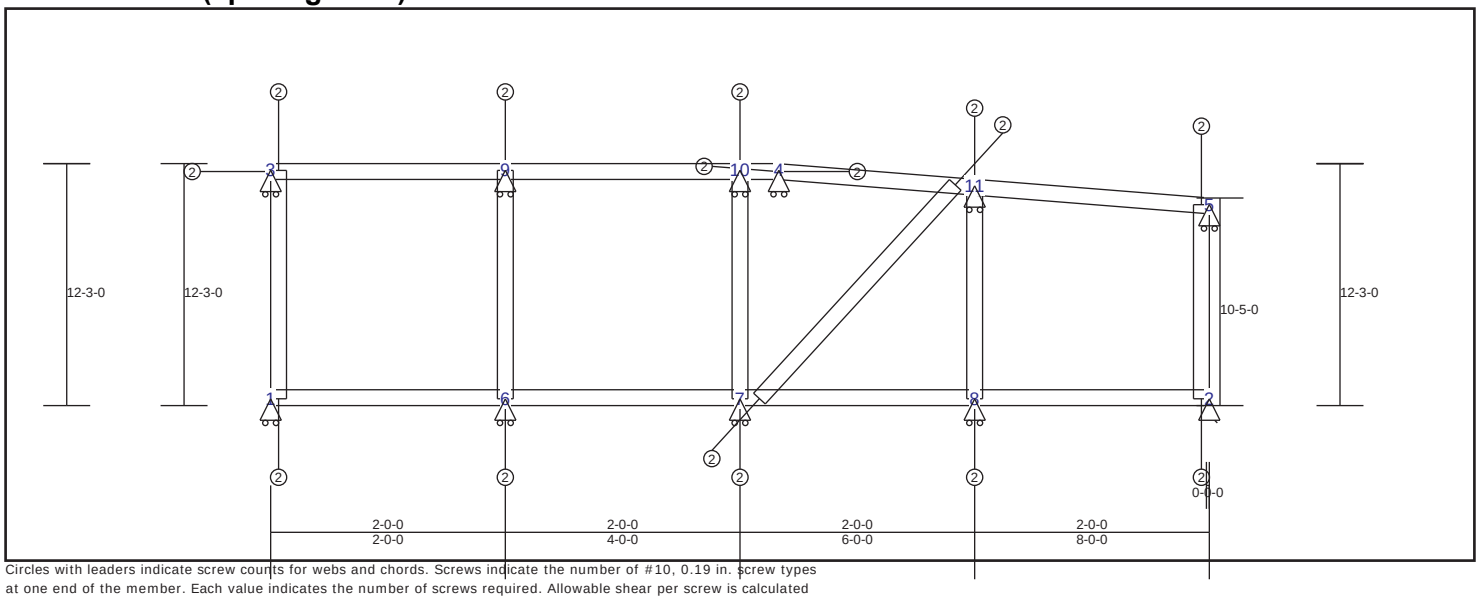
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-8	0.12	0 lbs	0 lbs	1-5	0.03	0 lbs	0 lbs	1-3	0.00	0 lbs	0 lbs
8-9	0.12	0 lbs	0 lbs	5-6	0.03	0 lbs	0 lbs	5-8	0.00	0 lbs	0 lbs
9-10	0.12	0 lbs	0 lbs	6-7	0.02	0 lbs	0 lbs	6-9	0.00	0 lbs	0 lbs
4-10	0.12	0 lbs	0 lbs	2-7	0.02	0 lbs	0 lbs	7-10	0.00	0 lbs	0 lbs
								2-4	0.00	0 lbs	0 lbs
								6-8	0.00	0 lbs	0 lbs

TRUSS TW08 (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 :	0.13 (3 - 9)	TL(V): 0 in.	L / 999	(3-9)	L / 90
BC :	0.03 (1 - 6)	LL(V): 0 in.	L / 999	(3-9)	L / 90
Web :	0.00 (1 - 3)	DL(V): 0 in.	L / 999	(3-9)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: 0 in.		11	
		Web :			
		Snow/Wind 0 in.	L / 999		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: None
4)Snow Criteria: None
5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
2	Fixed		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
3	HRoll		0 lbs	50 lbs	0 lbs	0 lbs	0 lbs
4	HRoll		0 lbs	0 lbs	0 lbs	0 lbs	0 lbs
5	HRoll		0 lbs	50 lbs	0 lbs	0 lbs	0 lbs
6	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
7	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
8	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
9	HRoll		0 lbs	150 lbs	0 lbs	0 lbs	0 lbs
10	HRoll		0 lbs	130 lbs	0 lbs	0 lbs	0 lbs
11	HRoll		0 lbs	160 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
12-3-0	8-0-0

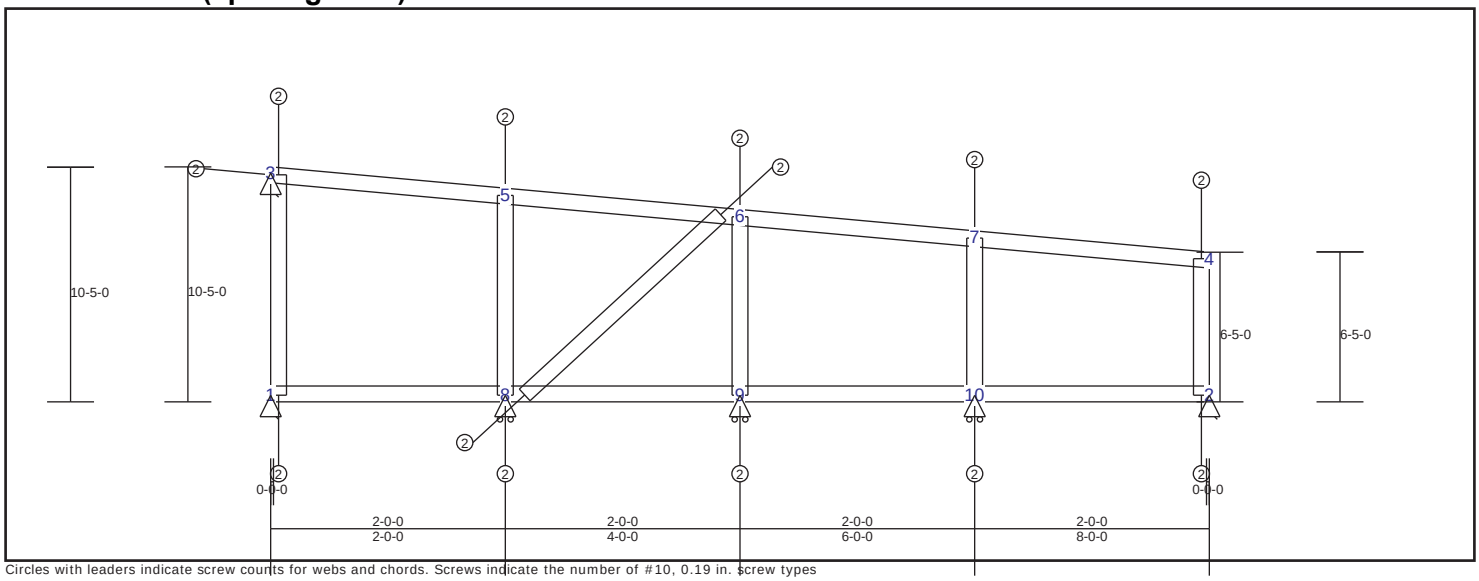
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-9	0.13	0 lbs	0 lbs	1-6	0.03	0 lbs	0 lbs	1-3	0.00	0 lbs	0 lbs
9-10	0.13	0 lbs	0 lbs	6-7	0.03	0 lbs	0 lbs	6-9	0.00	0 lbs	0 lbs
4-10	0.08	0 lbs	0 lbs	7-8	0.02	0 lbs	0 lbs	7-10	0.00	0 lbs	0 lbs
4-11	0.11	-33 lbs	-33 lbs	2-8	0.02	0 lbs	0 lbs	8-11	0.00	0 lbs	0 lbs
5-11	0.13	-33 lbs	-33 lbs					2-5	0.00	0 lbs	0 lbs
								7-11	0.00	0 lbs	0 lbs

TRUSS TW09 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.12 (7 - 4)	TL(V): 0 in.	L / 999	(3-5)	L / 90
BC :	0.05 (1 - 8)	LL(V): 0 in.	L / 999	(3-5)	L / 90
Web :	0.10 (8 - 5)	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.		5	
		Web :			
		Snow/Wind 0 in.	L / 999		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: None
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	Fixed		10 lbs	10 lbs	0 lbs	0 lbs	10 lbs
2	Fixed		0 lbs	60 lbs	0 lbs	0 lbs	0 lbs
3	Fixed		-10 lbs	80 lbs	0 lbs	0 lbs	-10 lbs
8	HRoll		0 lbs	210 lbs	0 lbs	0 lbs	0 lbs
9	HRoll		0 lbs	100 lbs	0 lbs	0 lbs	0 lbs
10	HRoll		0 lbs	170 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
10-4-10	8-0-0

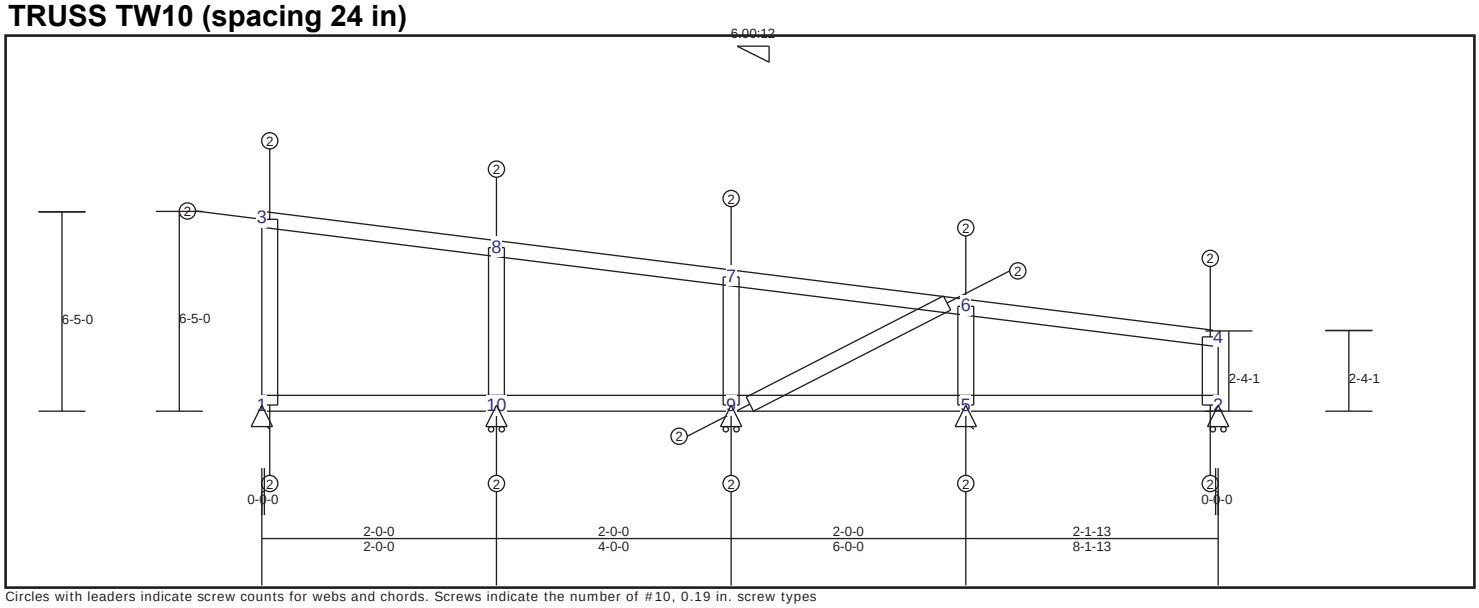
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-5	0.11	-15 lbs	-15 lbs	1-8	0.05	-8 lbs	-8 lbs	1-3	0.00	0 lbs	0 lbs
5-6	0.08	-15 lbs	-15 lbs	8-9	0.05	-8 lbs	-8 lbs	2-4	0.02	-52 lbs	-52 lbs
6-7	0.09	-32 lbs	-32 lbs	9-10	0.02	3 lbs	0 lbs	7-10	0.08	-152 lbs	-152 lbs
4-7	0.12	-32 lbs	-32 lbs	2-10	0.02	3 lbs	0 lbs	6-9	0.05	-76 lbs	-76 lbs
								5-8	0.10	-124 lbs	-124 lbs
								6-8	0.04	-58 lbs	-58 lbs

TRUSS TW10 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.14 (6 - 4)	TL(V): 0 in.	L / 999	(3-8)	L / 90
BC :	0.02 (9 - 5)	LL(V): 0 in.	L / 999	(3-8)	L / 90
Web :	0.05 (10 - 8)	DL(V): 0 in.	L / 999	(3-8)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: 0 in.		4	
		Web :			
		Snow/Wind 0 in.	L / 999		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: None
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	Fixed		0 lbs	60 lbs	0 lbs	0 lbs	0 lbs
2	HRoll		0 lbs	70 lbs	0 lbs	0 lbs	0 lbs
5	Fixed		0 lbs	190 lbs	0 lbs	0 lbs	0 lbs
9	HRoll		0 lbs	150 lbs	0 lbs	0 lbs	0 lbs
10	HRoll		0 lbs	180 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
6-4-10	8-1-13

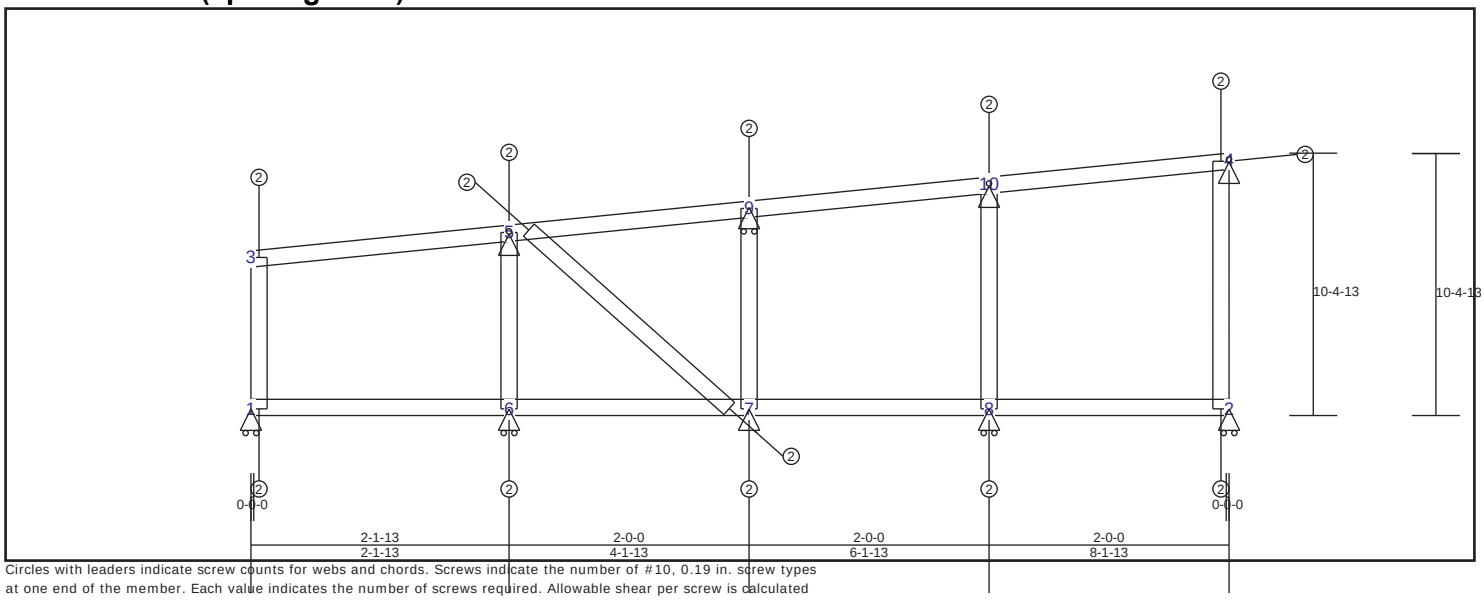
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-8	0.09	-36 lbs	-36 lbs	1-10	0.02	0 lbs	0 lbs	1-3	0.02	-52 lbs	-52 lbs
7-8	0.12	-36 lbs	-36 lbs	9-10	0.02	0 lbs	0 lbs	2-4	0.01	-57 lbs	-57 lbs
6-7	0.12	-33 lbs	-33 lbs	5-9	0.02	0 lbs	0 lbs	8-10	0.05	-152 lbs	-152 lbs
4-6	0.14	-33 lbs	-33 lbs	2-5	0.02	0 lbs	0 lbs	7-9	0.03	-128 lbs	-128 lbs
								5-6	0.04	-159 lbs	-159 lbs
								6-9	0.00	0 lbs	0 lbs

TRUSS TW11 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.14 (3 - 5)	TL(V): 0 in.	L / 999	(3-5)	L / 90
BC :	0.03 (1 - 6)	LL(V): 0 in.	L / 999	(3-5)	L / 90
Web :	0.02 (1 - 3)	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.		3	
		Web :			
		Snow/Wind 0 in.	L / 999		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: None
4)Snow Criteria: None
5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	70 lbs	0 lbs	0 lbs	0 lbs
2	HRoll		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
4	Pin		10 lbs	50 lbs	0 lbs	0 lbs	10 lbs
5	Pin		0 lbs	170 lbs	0 lbs	0 lbs	0 lbs
6	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
7	Fixed		0 lbs	20 lbs	0 lbs	0 lbs	0 lbs
8	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
9	HRoll		0 lbs	130 lbs	0 lbs	0 lbs	0 lbs
10	Pin		-10 lbs	150 lbs	0 lbs	0 lbs	-10 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
10-4-7	8-1-13

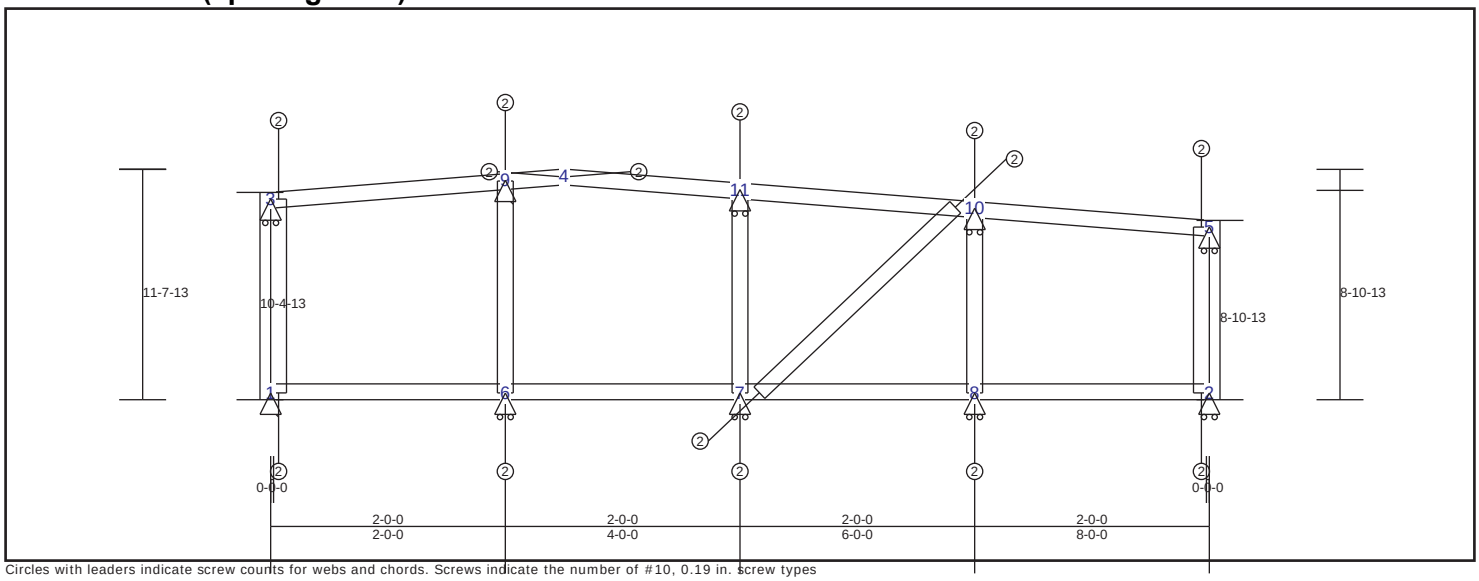
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-5	0.14	-36 lbs	-36 lbs	1-6	0.03	0 lbs	0 lbs	1-3	0.02	-56 lbs	-56 lbs
5-9	0.13	-36 lbs	-36 lbs	6-7	0.03	3 lbs	0 lbs	5-6	0.00	0 lbs	0 lbs
9-10	0.13	-30 lbs	-30 lbs	7-8	0.03	3 lbs	0 lbs	8-10	0.00	0 lbs	0 lbs
4-10	0.09	-30 lbs	-30 lbs	2-8	0.03	0 lbs	0 lbs	2-4	0.00	0 lbs	0 lbs
								7-9	0.00	0 lbs	0 lbs
								5-7	0.00	15 lbs	0 lbs

TRUSS TW12 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.14 (3 - 9)	TL(V): 0 in.	L / 999	(3-9)	L / 90
BC :	0.03 (7 - 8)	LL(V): 0 in.	L / 999	(3-9)	L / 90
Web :	0.00 (7 - 10)	DL(V): 0 in.	L / 999	(3-9)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: 0 in.		5	
		Web :			
		Snow/Wind 0 in.	L / 999		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: None
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	Fixed		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
2	HRoll		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
3	HRoll		0 lbs	50 lbs	0 lbs	0 lbs	0 lbs
5	HRoll		0 lbs	50 lbs	0 lbs	0 lbs	0 lbs
6	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
7	HRoll		0 lbs	20 lbs	0 lbs	0 lbs	0 lbs
8	HRoll		0 lbs	30 lbs	0 lbs	0 lbs	0 lbs
9	Fixed		0 lbs	150 lbs	0 lbs	0 lbs	0 lbs
10	HRoll		0 lbs	160 lbs	0 lbs	0 lbs	0 lbs
11	HRoll		0 lbs	130 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
11-7-7	8-0-0

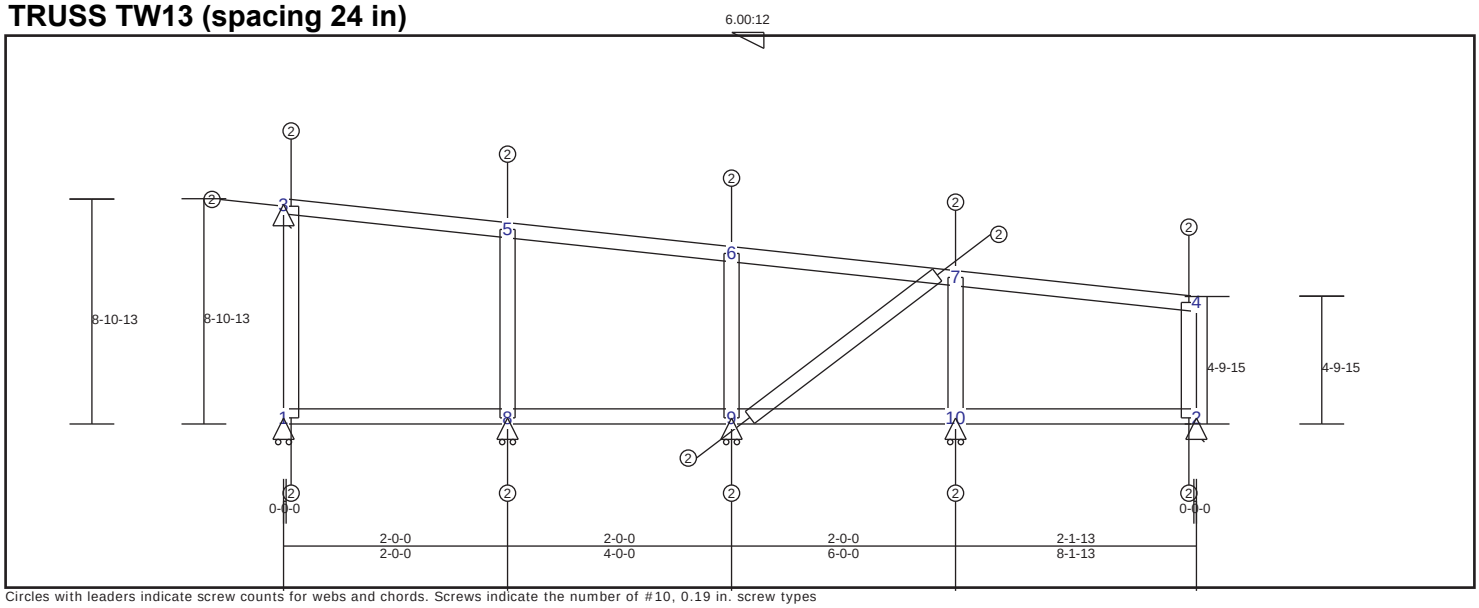
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-9	0.14	-33 lbs	-33 lbs	1-6	0.02	2 lbs	0 lbs	1-3	0.00	0 lbs	0 lbs
4-9	0.10	-33 lbs	-33 lbs	6-7	0.02	2 lbs	0 lbs	6-9	0.00	0 lbs	0 lbs
4-11	0.05	-31 lbs	-31 lbs	7-8	0.03	2 lbs	0 lbs	7-11	0.00	0 lbs	0 lbs
10-11	0.11	-37 lbs	-37 lbs	2-8	0.03	0 lbs	0 lbs	8-10	0.00	0 lbs	0 lbs
5-10	0.13	-37 lbs	-37 lbs					2-5	0.00	0 lbs	0 lbs
								7-10	0.00	11 lbs	0 lbs

TRUSS TW13 (spacing 24 in)



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

Max CSI Summary		Deflection	L/	(Loc)	Max. Allowed
TC :	0.12 (7 - 4)	TL(V): 0 in.	L / 999	(3-5)	L / 90
BC :	0.04 (8 - 9)	LL(V): 0 in.	L / 999	(3-5)	L / 90
Web :	0.08 (8 - 5)	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.		5	
		Web :			
		Snow/Wind 0 in.	L / 999		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: None
4)Snow Criteria: None
5)For Wall Truss when sheathed Ly = 12 inches is used

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
2	Fixed		10 lbs	70 lbs	0 lbs	0 lbs	10 lbs
3	Fixed		-10 lbs	70 lbs	0 lbs	0 lbs	-10 lbs
8	HRoll		0 lbs	160 lbs	0 lbs	0 lbs	0 lbs
9	HRoll		0 lbs	190 lbs	0 lbs	0 lbs	0 lbs
10	HRoll		0 lbs	140 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
8-10-7	8-1-13

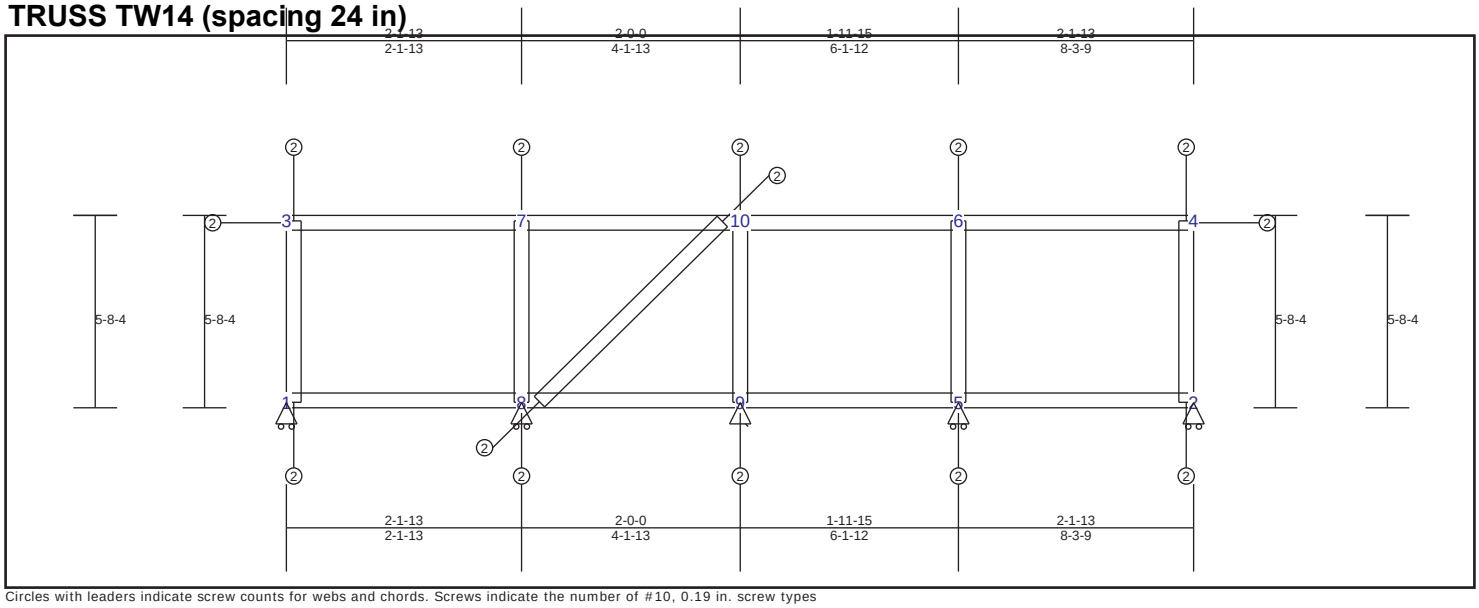
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-5	0.10	-17 lbs	-17 lbs	1-8	0.03	0 lbs	0 lbs	1-3	0.00	0 lbs	0 lbs
5-6	0.10	-18 lbs	-18 lbs	8-9	0.04	0 lbs	0 lbs	2-4	0.02	-58 lbs	-58 lbs
6-7	0.11	-18 lbs	-18 lbs	9-10	0.04	11 lbs	0 lbs	7-10	0.04	-117 lbs	-117 lbs
4-7	0.12	-26 lbs	-26 lbs	2-10	0.02	11 lbs	0 lbs	5-8	0.08	-134 lbs	-134 lbs
								6-9	0.06	-129 lbs	-129 lbs
								7-9	0.02	-39 lbs	-39 lbs

TRUSS TW14 (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 :	0.17 (3 - 7)	TL(V): 0 in.	L / 999	(3-7)	L / 90
BC :	0.03 (1 - 8)	LL(V): 0 in.	L / 999	(3-7)	L / 90
Web :	0.07 (8 - 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 in.	L / 999	(3-7)	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
1	HRoll		0 lbs	80 lbs	0 lbs	-50 lbs	0 lbs
2	HRoll		0 lbs	80 lbs	0 lbs	-50 lbs	0 lbs
5	HRoll		0 lbs	220 lbs	0 lbs	-130 lbs	0 lbs
8	HRoll		0 lbs	220 lbs	0 lbs	-130 lbs	0 lbs
9	Fixed		0 lbs	180 lbs	0 lbs	-100 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
5-8-4	8-3-9

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

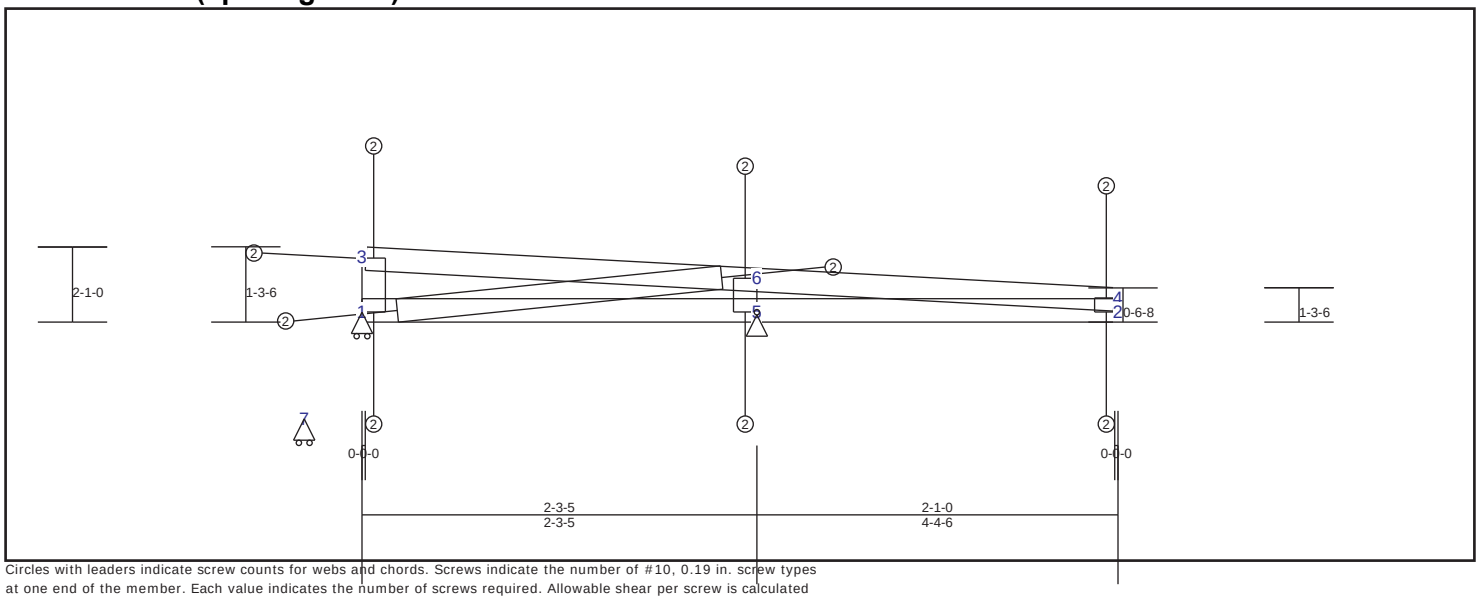
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-7	0.17	0 lbs	0 lbs	1-8	0.03	0 lbs	0 lbs	1-3	0.03	-70 lbs	-70 lbs
7-10	0.17	0 lbs	0 lbs	8-9	0.03	0 lbs	0 lbs	2-4	0.03	-70 lbs	-70 lbs
6-10	0.17	0 lbs	0 lbs	5-9	0.03	0 lbs	0 lbs	5-6	0.07	-196 lbs	-196 lbs
4-6	0.17	0 lbs	0 lbs	2-5	0.03	0 lbs	0 lbs	7-8	0.07	-197 lbs	-197 lbs
								9-10	0.06	-155 lbs	-155 lbs
								8-10	0.00	0 lbs	0 lbs

TRUSS TR19 (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 :	0.63 (3 - 6)	TL(V): 0.08 in.	L / 687	(6-4)	L / 90
BC :	0.69 (1 - 5)	LL(V): 0.05 in.	L / 999	(6-4)	L / 90
Web :	0.05 (5 - 6)	DL(V): 0.03 in.	L / 999	(6-4)	L / 0
		Cant / OH TL: 0.05 in.	2L / 0	(6-4)	2L / 90
		Cant / OH LL: 0.05 in.	2L / 0	(6-4)	2L / 90
		Horiz TL: -0.02 in.		4	
		Web :			
		Snow/Wind -0.15 in.	L / 355	(6-4)	L / 90
		Cant (Snow/Wind) -0.15 in.	L / 0	(6-4)	L / 90

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	HRoll		0 lbs	-40 lbs	-20 lbs	-40 lbs	0 lbs
5	Pin		-130 lbs	390 lbs	0 lbs	-330 lbs	-130 lbs

Materials

Type	Material	Bracing
Top Chd	362S162-33(33)	Sheathing
Bot Chd	362S162-33(33)	Purlin (24 in.)
Web	362S162-33(33)	Unbraced

Material Exceptions

Section	Material	Bracing

Truss Dimensions

Max Height	Max Width
2-0-13	4-4-6

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

Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.63	109 lbs	-56 lbs	1-5	0.69	-132 lbs	-132 lbs	1-3	0.01	-48 lbs	-48 lbs
4-6	0.38	51 lbs	-10 lbs	2-5	0.58	0 lbs	0 lbs	5-6	0.05	-278 lbs	-278 lbs
								2-4	0.01	71 lbs	-31 lbs
								1-6	0.02	159 lbs	-61 lbs