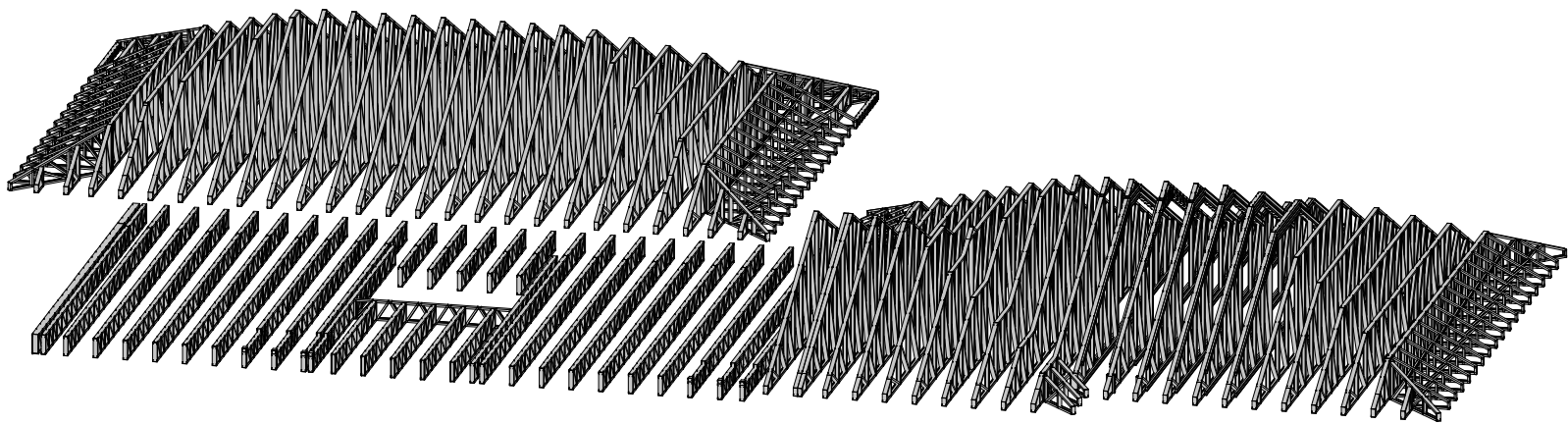
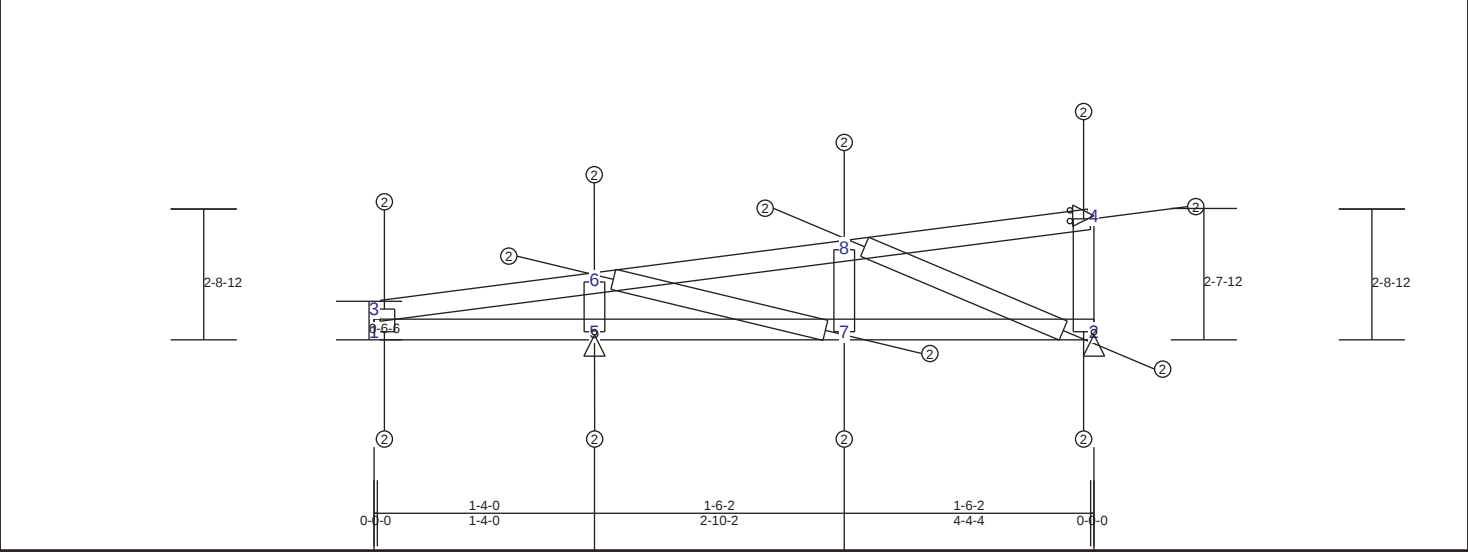

TRUSS PACKAGE



10 JAN 2024

TRUSS HN1 (spacing 24 in)



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

Max CSI Summary		Deflection	L	(Loc)	Max. Allowed
TC :	0.21 (6 - 8)	TL(V): 0 in.	L / 999	3	L / 240
BC :	0.15 (7 - 2)	LL(V): 0 in.	L / 999	3	L / 360
Web :	0.03 (5 - 6)	DL(V): 0 in.	L / 999	3	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 240
		Cant / OH LL: 0 in.	2L / 999	0	2L / 240
		Horiz TL: 0 in.		3	
		Web :			
		Snow/Wind 0 in.	L / 999	3	L / 360
		Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table						
P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift
2	Pin	260 lbs	-300 lbs	0 lbs	-300 lbs	260 lbs
4	VRoll	240 lbs	0 lbs	0 lbs	0 lbs	240 lbs
5	Pin	50 lbs	-570 lbs	0 lbs	-570 lbs	50 lbs
Materials		Material Exceptions				
Type	Material	Bracing	Section	Material	Bracing	
Top Chd	350S150-54(50)	Sheathing				
Bot Chd	350S150-54(50)	Purlin (96 in.)				
Web	350S150-54(50)	Unbraced				

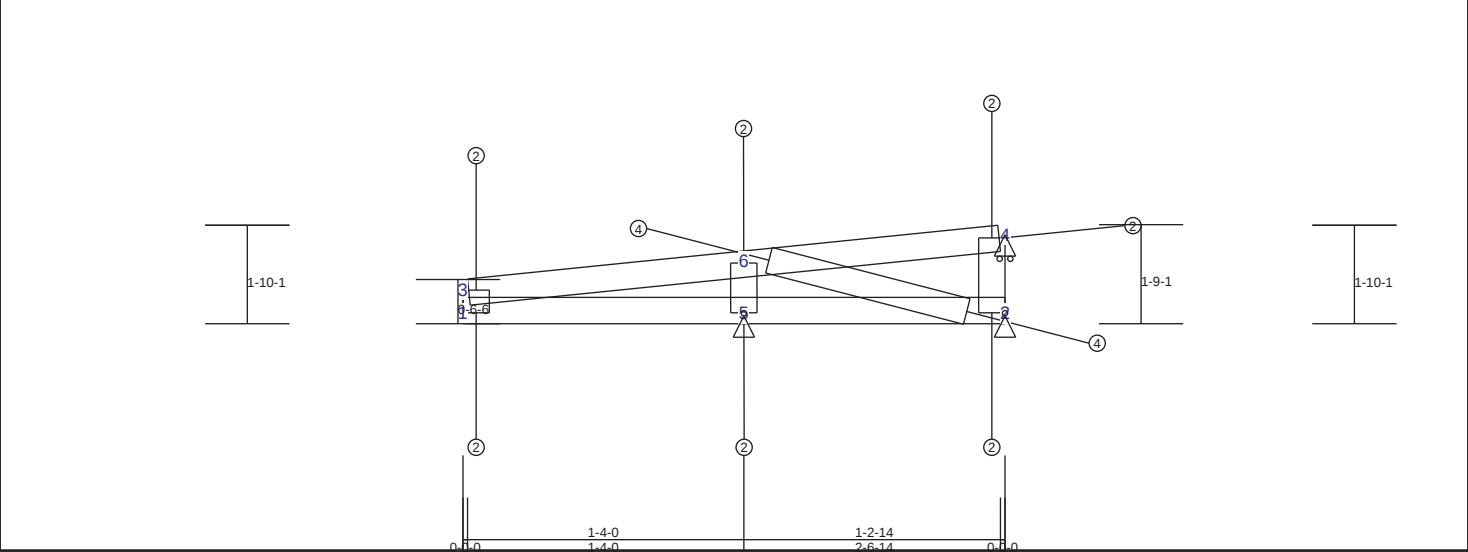
Truss Dimensions
Max Height 2-8-7
Max Width 4-4-4

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	303 lbs	-143 lbs	1-5	0.13	-50 lbs	-50 lbs	1-3	0.00	44 lbs	-29 lbs
6-8	0.21	303 lbs	-167 lbs	5-7	0.13	-50 lbs	-50 lbs	5-6	0.03	634 lbs	-393 lbs
4-8	0.15	286 lbs	-156 lbs	2-7	0.15	257 lbs	-28 lbs	7-8	0.01	-62 lbs	-62 lbs
								2-4	0.01	-62 lbs	-62 lbs
								2-8	0.03	490 lbs	-111 lbs
								6-7	0.01	109 lbs	-21 lbs

TRUSS HN2 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (6 - 4)	TL(V): 0 in.	L / 999	3
BC :	0.63 (1 - 5)	LL(V): 0 in.	L / 999	3
Web :	0.05 (6 - 2)	DL(V): 0 in.	L / 999	3
		Cant / OH TL: 0 in.	2L / 999	0
		Cant / OH LL: 0 in.	2L / 999	0
		Horiz TL: 0 in.		3
		Web :		
		Snow/Wind 0 in.	L / 999	3
		Cant (Snow/Wind) 0 in.	L / 999	0

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table						
P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift
2	Pin	520 lbs	-460 lbs	0 lbs	-460 lbs	520 lbs
4	HRoll	0 lbs	10 lbs	0 lbs	0 lbs	0 lbs
5	Pin	70 lbs	-620 lbs	0 lbs	-620 lbs	70 lbs

Materials			Material Exceptions		
Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions
Max Height 1-9-12
Max Width 2-6-14

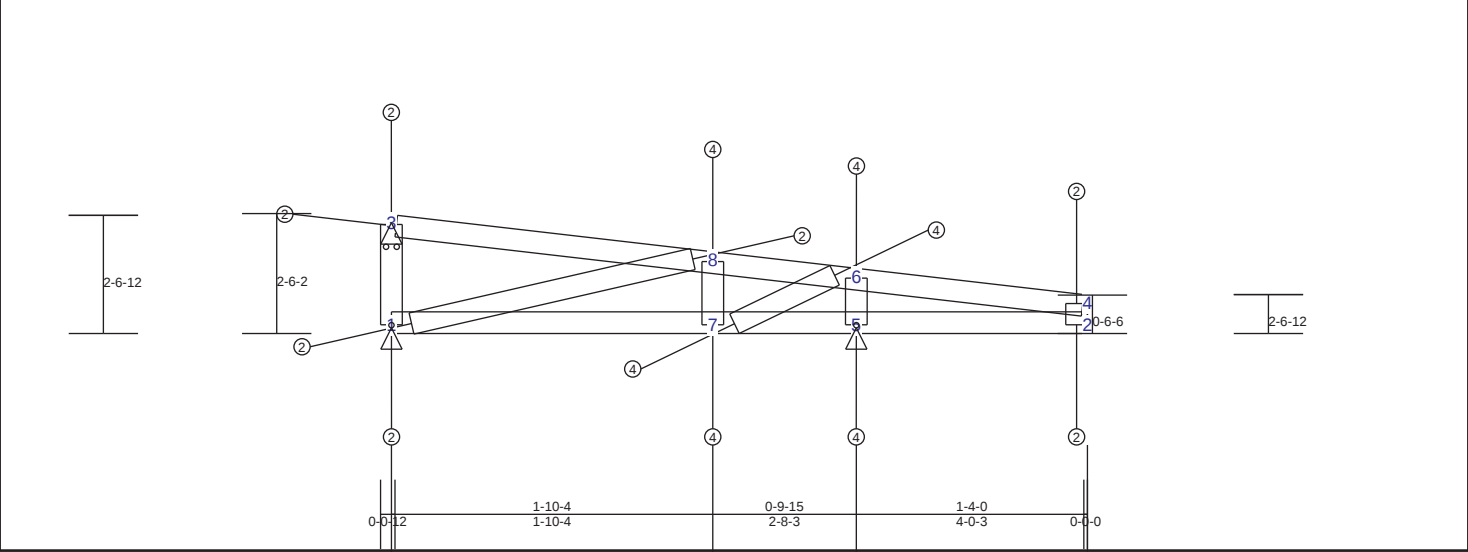
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.15	191 lbs	-60 lbs	1-5	0.63	-69 lbs	-69 lbs	1-3	0.01	205 lbs	-35 lbs
4-6	0.77	191 lbs	-60 lbs	2-5	0.63	523 lbs	-69 lbs	5-6	0.02	-227 lbs	-227 lbs
								2-4	0.00	0 lbs	0 lbs
								2-6	0.05	961 lbs	-123 lbs

TRUSS HN3 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (8 - 6)	TL(V): 0 in.	L / 999 (3-8)	L / 240
BC :	0.28 (7 - 5)	LL(V): 0 in.	L / 999 (3-8)	L / 360
Web :	0.10 (5 - 6)	DL(V): 0 in.	L / 999 (3-8)	L / 0
		Cant / OH TL: 0 in.	2L / 999 0	2L / 240
		Cant / OH LL: 0 in.	2L / 999 0	2L / 240
		Horiz TL: 0 in.	3	
		Web :		
		Snow/Wind 0 in.	L / 999 (3-8)	L / 360
		Cant (Snow/Wind) 0 in.	L / 999 0	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin	-380 lbs	420 lbs	0 lbs	-290 lbs	-380 lbs	-380 lbs
3	HRoll	0 lbs	-150 lbs	0 lbs	-150 lbs	0 lbs	0 lbs
5	Pin	-370 lbs	1180 lbs	0 lbs	-210 lbs	-370 lbs	-370 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
2'-6'-7"	4'-0'-15"

Material Design Pass

Point Loads

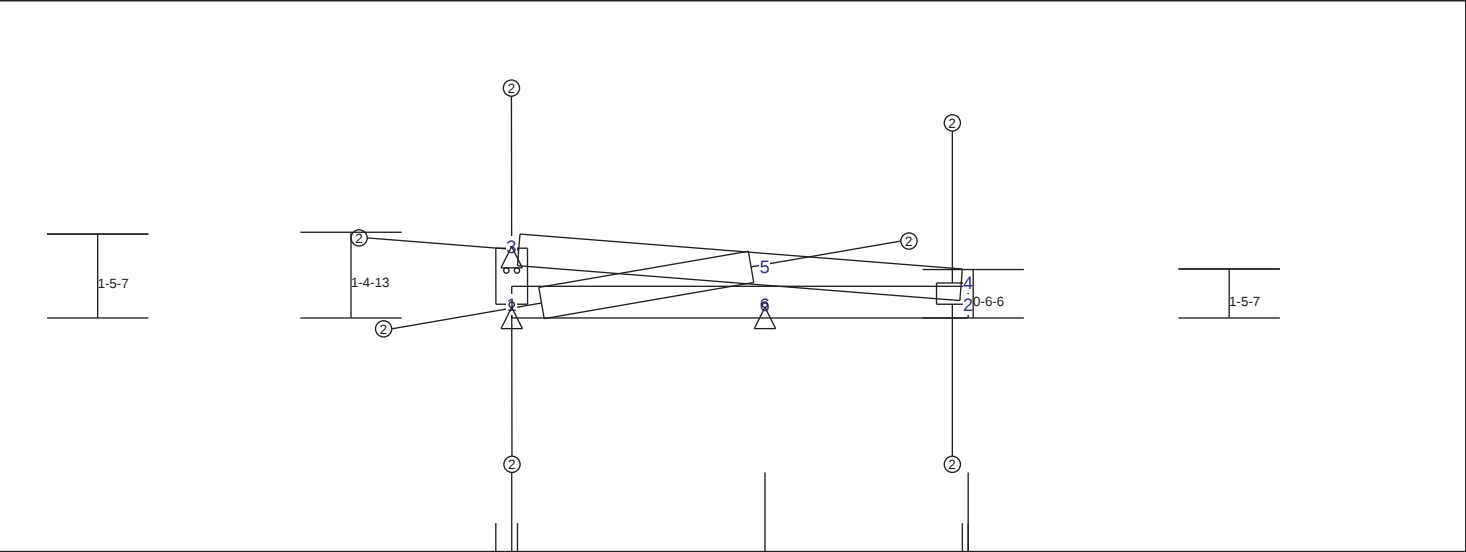
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB7-8	1'-6'-0	1'-6'-0	Concentrated	Dead	Down	Global	300 lbs	300 lbs	0 in.
WB7-8	1'-6'-0	1'-6'-0	Concentrated	Live	Down	Global	300 lbs	300 lbs	0 in.
WB7-8	1'-6'-0	1'-6'-0	Concentrated	Wind	Down	Global	800 lbs	800 lbs	0 in.
WB7-8	1'-6'-0	1'-6'-0	Concentrated	Wind	Down	Global	800 lbs	800 lbs	0 in.
WB7-8	1'-6'-0	1'-6'-0	Concentrated	Wind	Down	Global	200 lbs	200 lbs	0 in.

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-8	0.18	-248 lbs	-248 lbs	1-7	0.24	451 lbs	-271 lbs	5-6	0.10	-1274 lbs	-1274 lbs
6-8	0.44	-504 lbs	-504 lbs	5-7	0.28	-368 lbs	-368 lbs	2-4	0.00	74 lbs	-27 lbs
4-6	0.31	-504 lbs	-504 lbs	2-5	0.22	-368 lbs	-368 lbs	7-8	0.07	-836 lbs	-836 lbs
								1-3	0.00	0 lbs	0 lbs
								6-7	0.06	1204 lbs	-102 lbs
								1-8	0.05	631 lbs	-579 lbs

TRUSS HN4 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 - 5)	TL(V): 0.01 in.	L / 999	(3-5)	L / 240
BC :	0.34 (1 - 6)	LL(V): 0.01 in.	L / 999	(3-5)	L / 360
Web :	0.03 (1 - 5)	DL(V): 0.01 in.	L / 999	(3-5)	L / 0
		Cant / OH TL: 0.01 in.	2L / 0	(3-5)	2L / 240
		Cant / OH LL: 0.01 in.	2L / 0	(3-5)	2L / 240
		Horiz TL: 0.01 in.		3	
		Web :			
		Snow/Wind -0.01 in.	L / 999	(3-5)	L / 360
		Cant (Snow/Wind) -0.01 in.	L / 0	(3-5)	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table		P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin				-370 lbs	-290 lbs	0 lbs	-290 lbs	-370 lbs
3	HRoll				0 lbs	-170 lbs	0 lbs	-170 lbs	0 lbs

Materials		Type	Material	Bracing
Top Chd			350S150-54(50)	Sheathing
Bot Chd			350S150-54(50)	Purlin (96 in.)
Web			350S150-54(50)	Unbraced

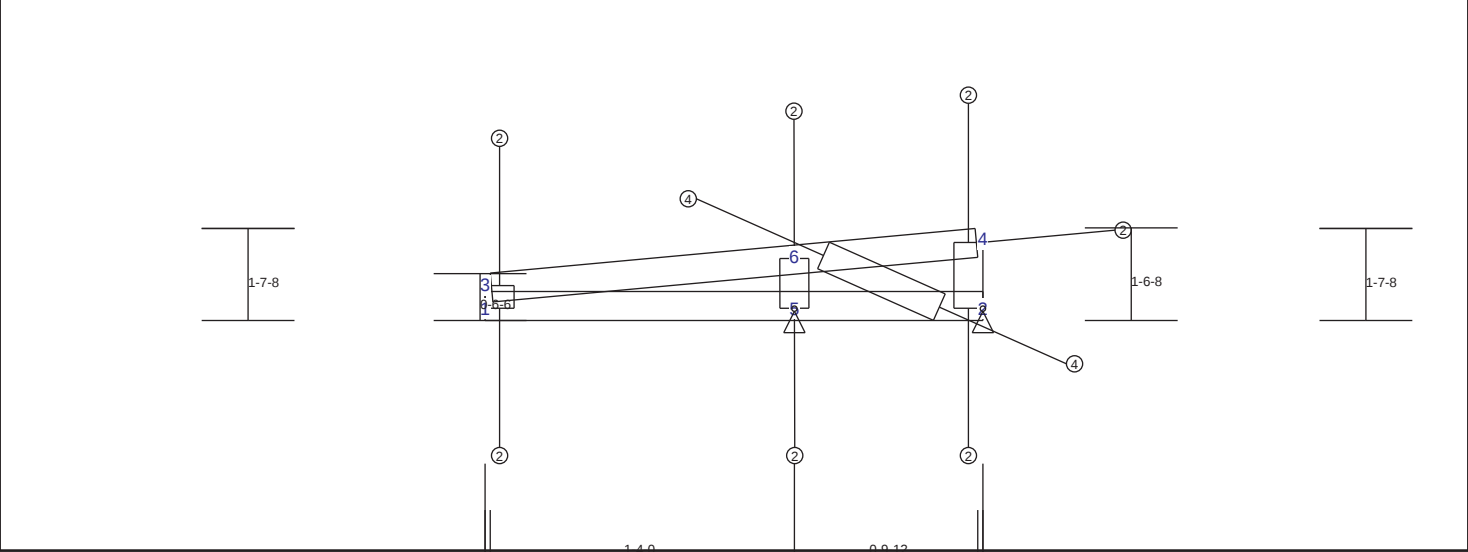
Material Exceptions		Section	Material	Bracing
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Truss Dimensions
Max Height Max Width
1-5-2 1-10-6

Material Design Pass
Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force									
Top Chord		Bot Chord		Web					
3-5	0.23 -88 lbs	-88 lbs	1-6 0.34 366 lbs	-58 lbs	1-3 0.00 0 lbs	0 lbs			
4-5	0.16 85 lbs	-43 lbs	2-6 0.34 -58 lbs	-58 lbs	2-4 0.01 191 lbs	-102 lbs			
					1-5 0.03 629 lbs	-81 lbs			

TRUSS HN5 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of 1/4 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (6 - 4)	TL(V): 0 in.	L / 999	3
BC : 0.66 (1 - 5)	LL(V): 0 in.	L / 999	3
Web : 0.07 (6 - 2)	DL(V): 0 in.	L / 999	3
	Cant / OH TL: 0 in.	2L / 999	0
	Cant / OH LL: 0 in.	2L / 999	0
	Horiz TL: 0 in.		3
	Web :		
	Snow/Wind 0.01 in.	L / 999	3
	Cant (Snow/Wind) 0.01 in.	L / 280	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 = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	Pin	400 lbs	-300 lbs	0 lbs	-300 lbs	-300 lbs	400 lbs
5	Pin	90 lbs	-620 lbs	0 lbs	-620 lbs	-620 lbs	90 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-7-3	2-1-12

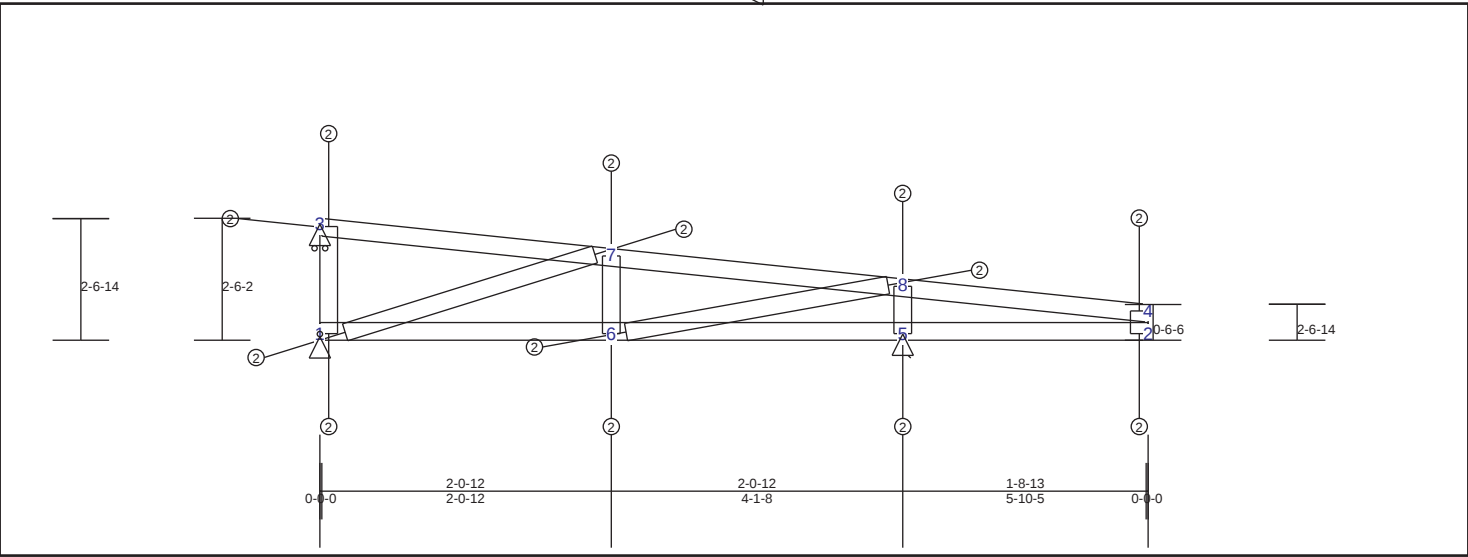
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web
3-6	1-5	1-3
4-6	2-5	5-6
		2-4
		2-6

TRUSS HN6 (spacing 24 in)



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

Max CSI Summary		Deflection	L /	(Loc)	Max. Allowed
TC :	0.22 (8 - 4)	TL(V): 0 in.	L / 999	(3-7)	L / 240
BC :	0.37 (6 - 5)	LL(V): 0 in.	L / 999	(3-7)	L / 360
Web :	0.04 (5 - 8)	DL(V): 0 in.	L / 999	(3-7)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 0
		Cant / OH LL: 0 in.	2L / 999	0	2L / 0
		Horiz TL: -0.01 in.		4	
		Web :			
		Snow/Wind 0 in.	L / 999	(3-7)	L / 360
		Cant (Snow/Wind) 0 in.	L / 999	0	L / 0

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table						
P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift
1	Pin		-300 lbs	-230 lbs	0 lbs	-230 lbs
3	HRoll		0 lbs	-130 lbs	0 lbs	-130 lbs
5	Fixed		-80 lbs	580 lbs	0 lbs	-380 lbs
			Max Horizontal			
			-300 lbs			
			0 lbs			
			-80 lbs			

Materials		Material Exceptions	
Type	Material	Section	Material
Top Chd	350S150-54(50)	Bracing	Bracing
Bot Chd	350S150-54(50)	Sheathing	
Web	350S150-54(50)	Purlin (96 in.)	
		Unbraced	

Truss Dimensions	
Max Height	Max Width
2-6-13	5-10-5

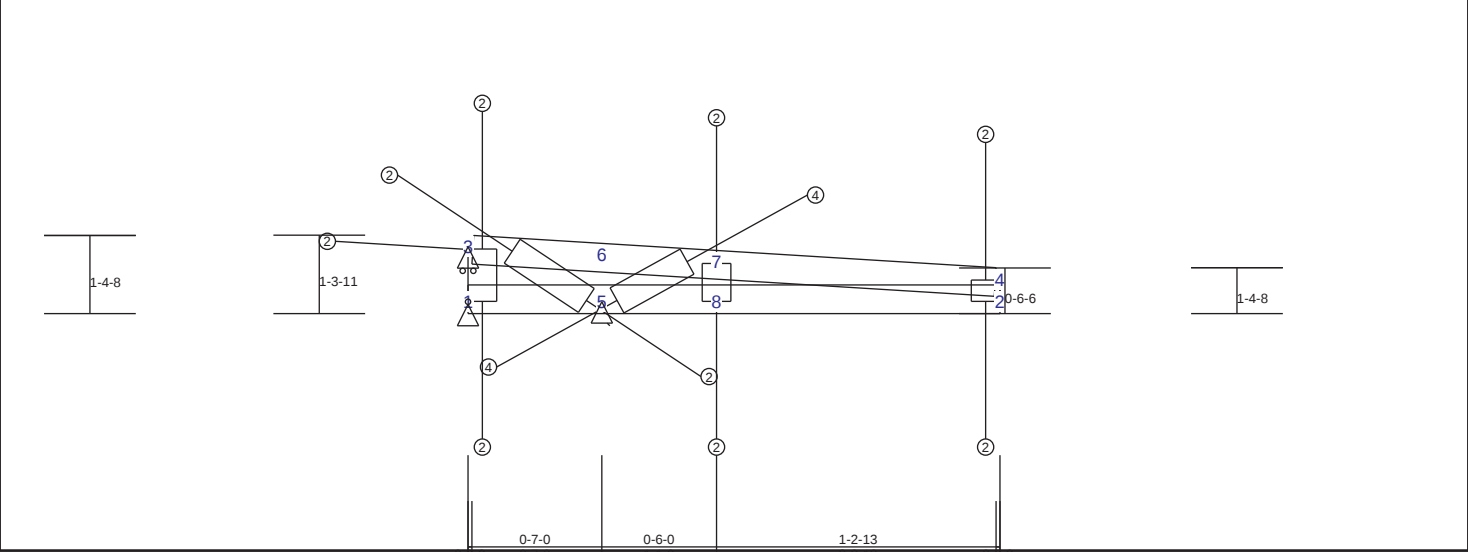
Material Design Pass

Member Forces Summary

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

Top Chord		Bot Chord		Web	
3-7	0.16 -149 lbs	1-6	0.12 320 lbs	1-3	0.00 0 lbs
7-8	0.21 -211 lbs	5-6	0.37 -81 lbs	6-7	0.00 -52 lbs
4-8	0.22 183 lbs	2-5	0.37 -81 lbs	5-8	0.04 470 lbs
				2-4	0.00 92 lbs
				1-7	0.03 458 lbs
				6-8	0.01 177 lbs

TRUSS HN7 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #16 x 1.9 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel connected. Max CSI calculated based on selected items in the Settings/Engineering/General section.

Max CSI Summary	Deflection	L /	(Lpc)	Max. Allowed
TC : 0.22 (7 - 4)	TL(V): 0 in.	L / 999	3	L / 240
BC : 0.51 (5 - 8)	LL(V): 0 in.	L / 999	3	L / 360
Web : 0.06 (5 - 7)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: 0 in.		4	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-20 lbs	30 lbs	0 lbs	0 lbs	-20 lbs
3	HRoll		0 lbs	-180 lbs	0 lbs	-180 lbs	0 lbs
7	NA		-370 lbs	-970 lbs	0 lbs	-970 lbs	-370 lbs

Materials		Material Exceptions	
Type	Material	Section	Material
Top Chd	350S150-54(50)	Bracing	Bracing
Bot Chd	350S150-54(50)	Sheathing	
Web	350S150-54(50)	Purlin (96 in.)	
		Unbraced	

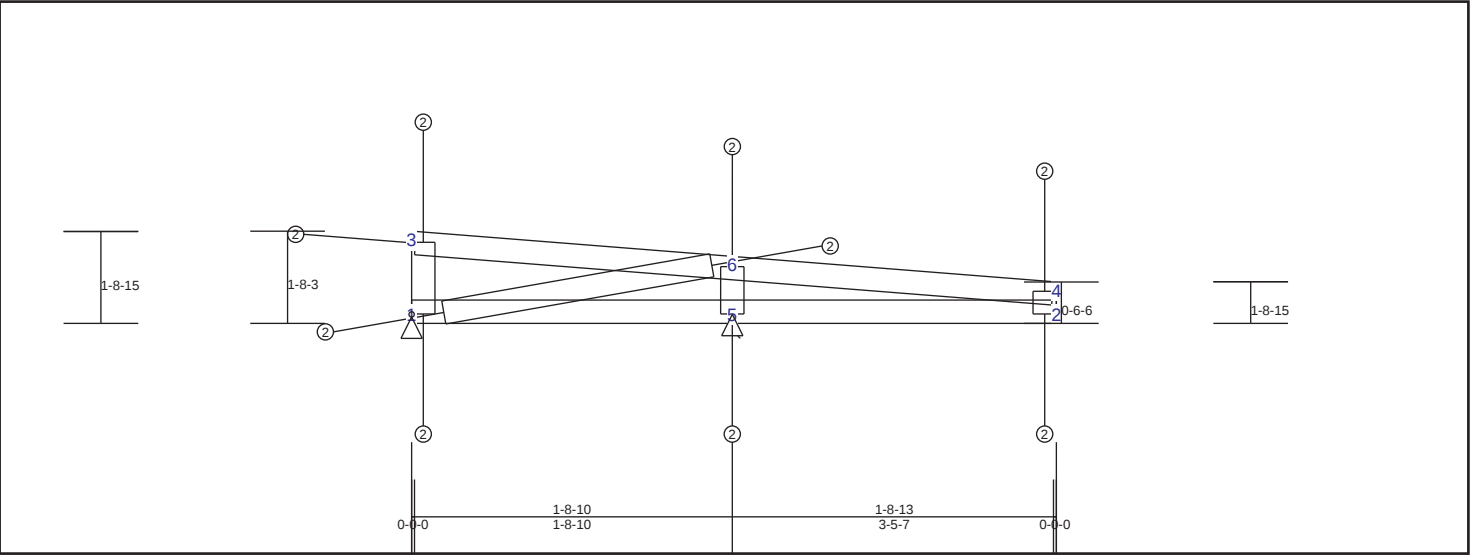
Truss Dimensions	
Max Height	Max Width
1-4-5	2-3-13

Material Design Pass

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force							
Top Chord				Bot Chord			
3-7	0.22	86 lbs	-65 lbs	1-5	0.06	-45 lbs	-45 lbs
4-7	0.22	74 lbs	-9 lbs	5-8	0.51	-45 lbs	-45 lbs
				2-8	0.47	0 lbs	0 lbs
				Web			
				2-4	0.01	169 lbs	-34 lbs
				1-3	0.00	0 lbs	0 lbs
				7-8	0.01	-133 lbs	-133 lbs
				5-7	0.06	1199 lbs	-265 lbs
				3-5	0.02	-239 lbs	-239 lbs

TRUSS HN8 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 - 6)	TL(V): 0 in.	L / 999	(3-6)	L / 240
BC : 0.64 (1 - 5)	LL(V): 0 in.	L / 999	(3-6)	L / 360
Web : 0.04 (5 - 6)	DL(V): 0 in.	L / 999	(3-6)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: -0.01 in.		4	
	Web :			
	Snow/Wind 0.01 in.	L / 999	(5-2)	L / 360
	Cant (Snow/Wind) 0.01 in.	L / 999	(5-2)	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-400 lbs	-360 lbs	0 lbs	-360 lbs	-400 lbs
5	Fixed		-40 lbs	-760 lbs	0 lbs	-760 lbs	-40 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-8-13	3-5-7

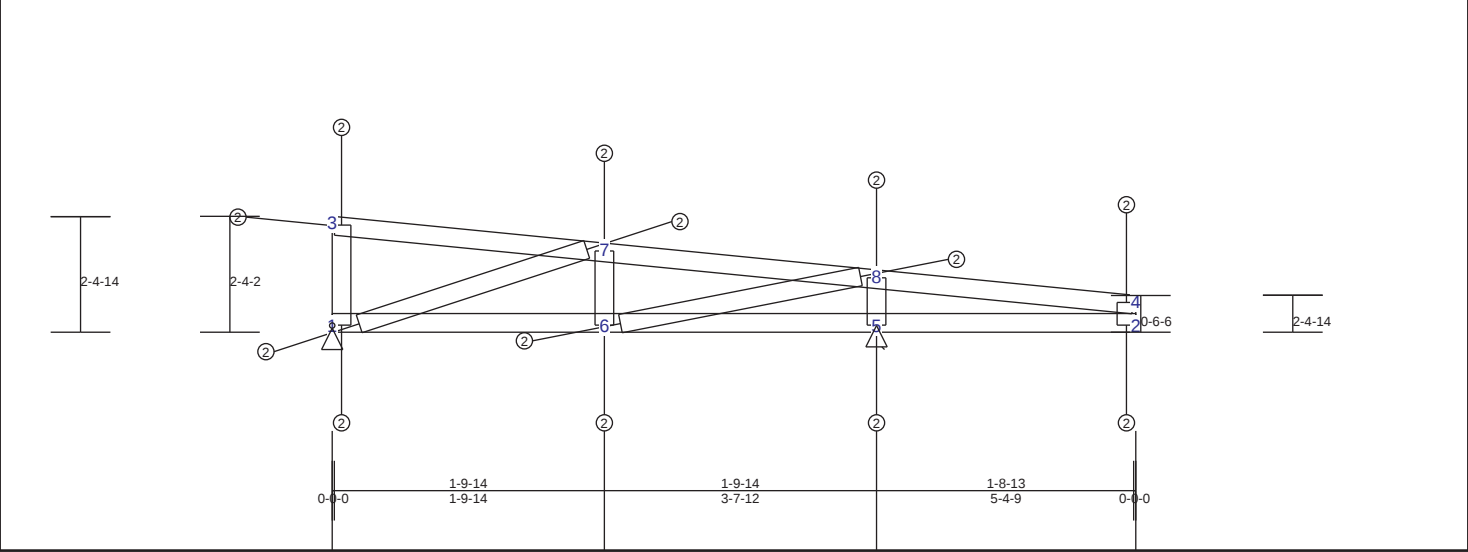
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web
3-6 0.61 276 lbs -65 lbs	1-5 0.64 402 lbs -65 lbs	1-3 0.00 85 lbs -42 lbs
4-6 0.29 276 lbs -65 lbs	2-5 0.64 -35 lbs -35 lbs	5-6 0.04 685 lbs -298 lbs
		2-4 0.01 161 lbs -56 lbs
		1-6 0.03 552 lbs -89 lbs

TRUSS HN9 (spacing 24 in)



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

Max CSI Summary	Deflection	L / (Loc)	Max. Allowed
TC : 0.21 (8 - 4)	TL(V): 0 in.	L / 999 (3-7)	L / 240
BC : 0.34 (6 - 5)	LL(V): 0 in.	L / 999 (3-7)	L / 360
Web : 0.03 (5 - 8)	DL(V): 0 in.	L / 999 (3-7)	L / 0
	Cant / OH TL: 0 in.	2L / 999 0	2L / 240
	Cant / OH LL: 0 in.	2L / 999 0	2L / 240
	Horiz TL: -0.01 in.	4	
	Web :		
	Snow/Wind 0 in.	L / 999 (3-7)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999 0	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-300 lbs	-370 lbs	0 lbs	-370 lbs	-300 lbs
5	Fixed		-70 lbs	550 lbs	0 lbs	-430 lbs	-70 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
2-4-13	5-4-9

Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web
3-7 0.16 138 lbs -114 lbs	1-6 0.13 319 lbs -131 lbs	1-3 0.01 118 lbs -87 lbs
7-8 0.20 194 lbs -171 lbs	5-6 0.34 -71 lbs -71 lbs	6-7 0.01 -70 lbs -70 lbs
4-8 0.21 194 lbs -105 lbs	2-5 0.34 -71 lbs -71 lbs	5-8 0.03 510 lbs -430 lbs
		2-4 0.00 86 lbs -53 lbs
		1-7 0.02 470 lbs -245 lbs
		6-8 0.01 158 lbs -22 lbs

The diagram shows a truss structure with 8 nodes and 12 members. The nodes are numbered 1 through 8. The members are numbered 1 through 12. The structure is supported by a pin support at node 1 and a roller support at node 5. The dimensions are given in feet (ft) and inches (in). The horizontal dimensions are 0-0-0, 2-0-14, 2-0-14, 1-4-0, and 0-4-0. The vertical dimensions are 3-3-8, 3-2-8, and 3-3-8. The diagram also shows the internal forces in the members, with tension members labeled with a circled 'T' and compression members labeled with a circled 'C'.

Max CSI Summary	Deflection	L / 999	(Loc)	Max. Allowed
TC: 0.22 (7 - 8)	TL(V): 0 in.	L / 999	(-3-7)	L / 240
BC: 0.18 (6 - 5)	LL(V): 0 in.	L / 999	(-3-7)	L / 360
Web: 0.03 (5 - 8)	DL(V): 0 in.	L / 999	(-3-7)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: 0 in.		4	
Web:				
	Snow/Wind 0 in.	L / 999	(-3-7)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-350 lbs	-290 lbs	0 lbs	-290 lbs	-350 lbs
3	HRoll		0 lbs	-140 lbs	0 lbs	-140 lbs	0 lbs
5	Pin		-130 lbs	520 lbs	0 lbs	-260 lbs	-130 lbs

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

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

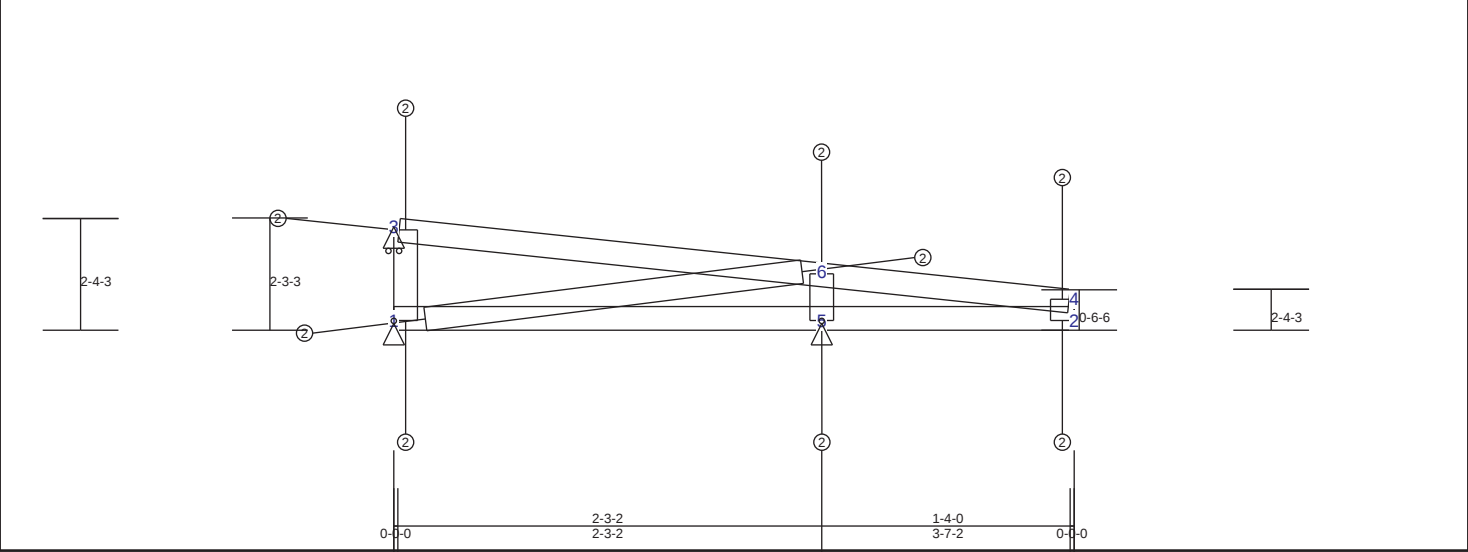
Member Forces Summary

Top Chord				Bot Chord			
3-7	0.20	-98 lbs	-98 lbs	1-6	0.14	373 lbs	-165 lbs
7-8	0.22	-180 lbs	-180 lbs	5-6	0.18	-132 lbs	-132 lbs
4-8	0.18	169 lbs	-136 lbs	2-5	0.18	-132 lbs	-132 lbs

1-3	0.00	0 lbs	0 lbs
6-7	0.01	-89 lbs	-89 lbs
5-8	0.03	-410 lbs	-410 lbs
2-4	0.00	57 lbs	-23 lbs
1-7	0.03	492 lbs	-287 lbs
6-8	0.01	280 lbs	-68 lbs

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7) Gusset plate to be installed at hip, valley and ridge of the truss.

TRUSS HN11 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 in.	L / 999 (3-6)	L / 240
BC : 0.13 (1 - 5)	LL(V): 0 in.	L / 999 (3-6)	L / 360
Web : 0.03 (1 - 6)	DL(V): 0 in.	L / 999 (3-6)	L / 0
	Cant / OH TL: 0 in.	2L / 999 0	2L / 240
	Cant / OH LL: 0 in.	2L / 999 0	2L / 240
	Horiz TL: 0 in.	4	
	Web :		
	Snow/Wind -0.01 in.	L / 999 (3-6)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999 0	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table						
P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift
1	Pin		-550 lbs	-290 lbs	0 lbs	-290 lbs
3	HRoll		0 lbs	-250 lbs	0 lbs	-250 lbs
5	Pin		-30 lbs	-460 lbs	0 lbs	-460 lbs
Materials						
Type	Material	Bracing	Section	Material	Bracing	
Top Chd	350S150-54(50)	Sheathing				
Bot Chd	350S150-54(50)	Purlin (96 in.)				
Web	350S150-54(50)	Unbraced				

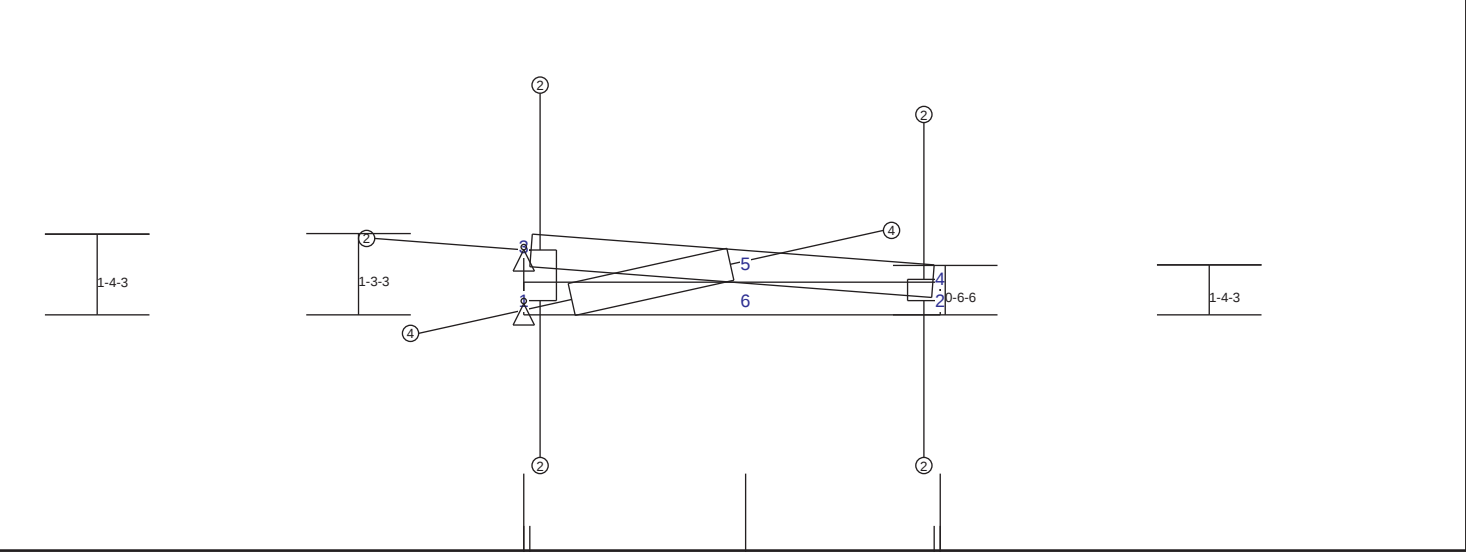
Truss Dimensions
Max Height 2-3-15
Max Width 3-7-2

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	244 lbs	-150 lbs	1-5	0.13	545 lbs	-100 lbs	1-3	0.00	0 lbs	0 lbs
4-6	0.18	244 lbs	-82 lbs	2-5	0.13	-34 lbs	-34 lbs	5-6	0.03	511 lbs	-289 lbs
								2-4	0.00	35 lbs	-24 lbs
								1-6	0.03	674 lbs	-124 lbs

TRUSS HN12 (spacing 24 in)



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

Max CSI Summary
TC : 0.63 (3 - 5)
BC : 0.29 (1 - 2)
Web : 0.05 (1 - 5)

Deflection	L /	(Loc)	Max. Allowed
TL(V): 0 in.	L / 999	(3-5)	L / 240
LL(V): 0 in.	L / 999	(3-5)	L / 360
DL(V): 0 in.	L / 999	(3-5)	L / 0
Cant / OH TL: 0 in.	2L / 999	0	2L / 240
Cant / OH LL: 0 in.	2L / 999	0	2L / 240
Horiz TL: 0 in.		4	
Web :			
Snow/Wind 0 in.	L / 999	(3-5)	L / 360
Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

Load Summary
1)This Truss has been designed in accordance with LRFD 2016.
2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-540 lbs	-690 lbs	0 lbs	-690 lbs	-540 lbs
3	Pin		180 lbs	40 lbs	0 lbs	-10 lbs	180 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-3-14	1-7-2

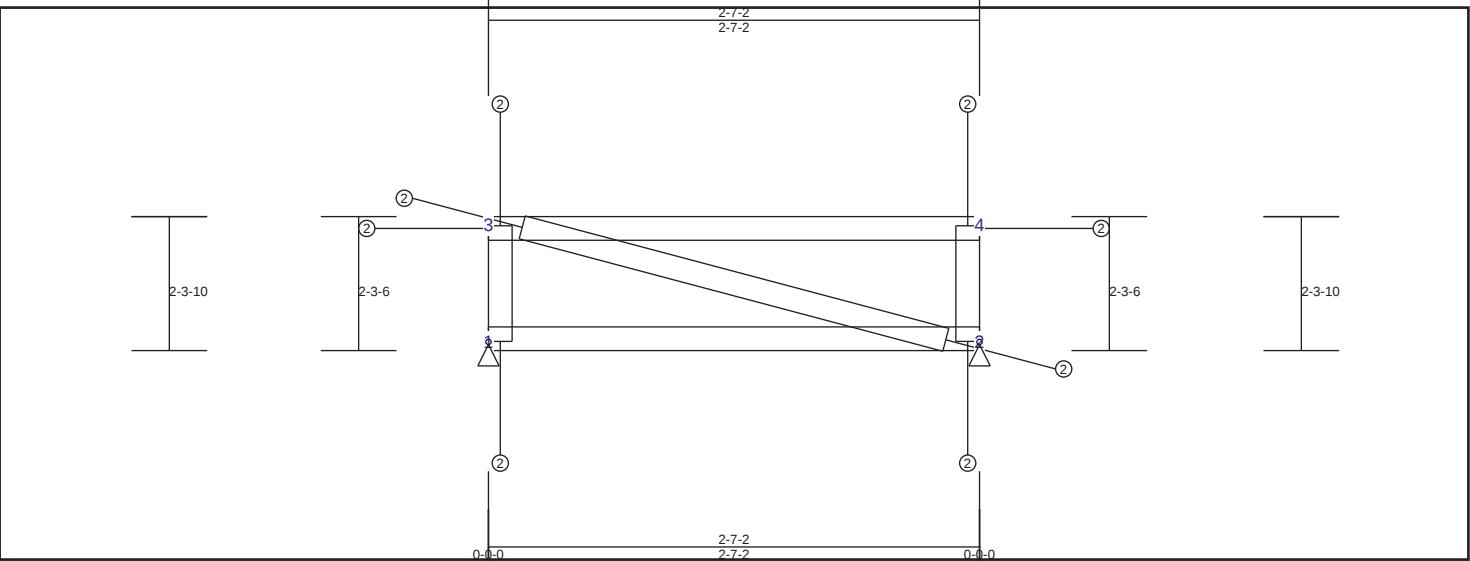
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web
3-5 0.63 -179 lbs -179 lbs	1-2 0.29 583 lbs -159 lbs	1-3 0.00 0 lbs 0 lbs
4-5 0.51 54 lbs -35 lbs		2-4 0.01 -79 lbs -79 lbs
		1-5 0.05 1025 lbs -279 lbs

TRUSS HN13 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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): 0.01 in.	L / 999 (3-4)	L / 240
BC : 0.06 (1 - 2)	LL(V): 0.01 in.	L / 999 (3-4)	L / 360
Web : 0.03 (2 - 4)	DL(V): 0 in.	L / 999 3	L / 0
	Cant / OH TL: 0 in.	2L / 999 0	2L / 240
	Cant / OH LL: 0 in.	2L / 999 0	2L / 240
	Horiz TL: 0 in.	4	
	Web :		
	Snow/Wind -0.05 in.	L / 582 (3-4)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999 (3-4)	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

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

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
2-3-11	2-7-2

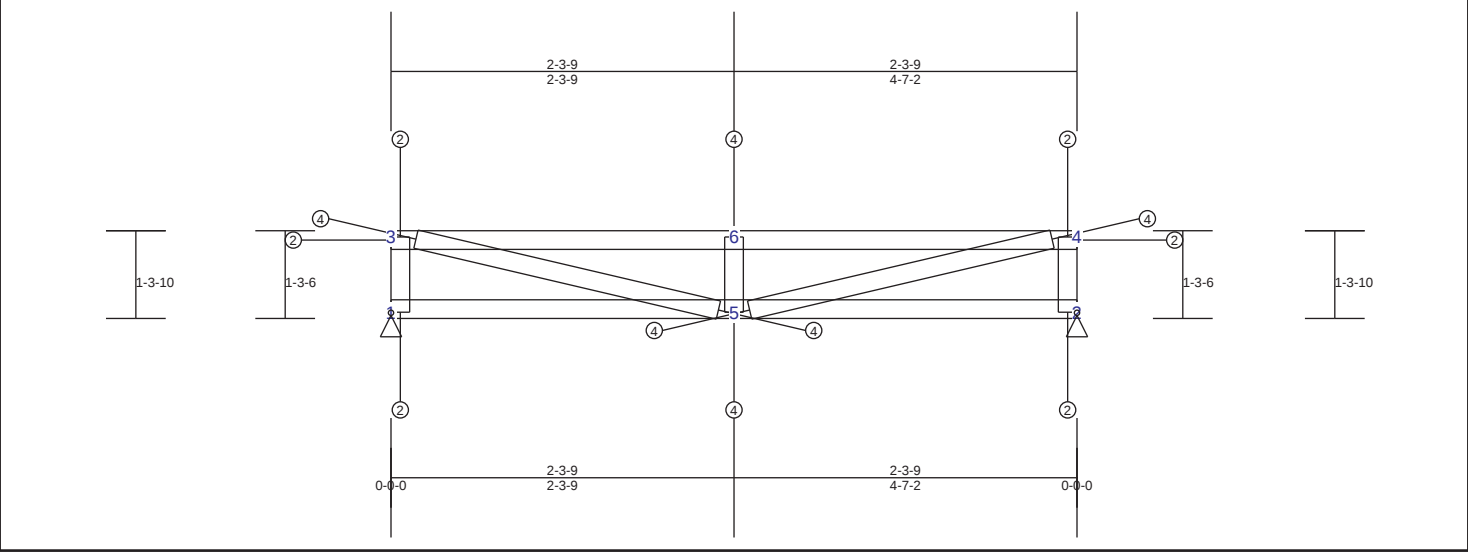
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web
3-4 0.66 0 lbs 0 lbs	1-2 0.06 0 lbs 0 lbs	1-3 0.03 555 lbs -152 lbs
		2-4 0.03 555 lbs -152 lbs
		2-3 0.00 0 lbs 0 lbs

TRUSS HN14 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (3 - 6)	TL(V): 0 in.	L / 999	3	L / 240
BC : 0.27 (1 - 5)	LL(V): 0 in.	L / 999	3	L / 360
Web : 0.07 (5 - 4)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: 0 in.		4	
	Web :			
	Snow/Wind 0 in.	L / 999	3	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-40 lbs	-520 lbs	0 lbs	-520 lbs	-40 lbs
2	Pin		40 lbs	-520 lbs	0 lbs	-520 lbs	40 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-3-13	4-7-2

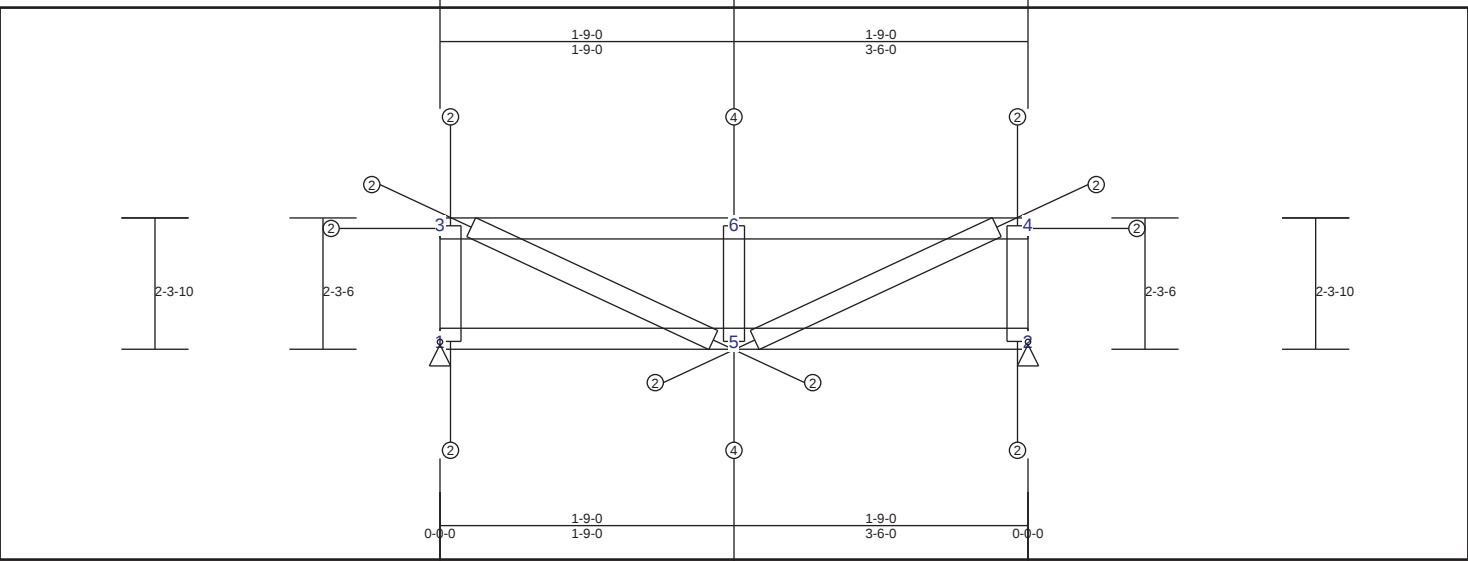
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web
3-6 0.27 707 lbs -378 lbs	1-5 0.27 -665 lbs -665 lbs	1-3 0.03 531 lbs -313 lbs
4-6 0.27 707 lbs -378 lbs	2-5 0.27 -665 lbs -665 lbs	5-6 0.05 912 lbs -376 lbs
		2-4 0.03 531 lbs -313 lbs
		3-5 0.07 -823 lbs -823 lbs
		4-5 0.07 -823 lbs -823 lbs

TRUSS HN15 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 in.	L / 999	3
BC : 0.21 (1 - 5)	LL(V): 0 in.	L / 999	3
Web : 0.05 (5 - 4)	DL(V): 0 in.	L / 999	3
	Cant / OH TL: 0 in.	2L / 999	0
	Cant / OH LL: 0 in.	2L / 999	0
	Horiz TL: 0 in.		3
	Web :		
	Snow/Wind 0 in.	L / 999	3
	Cant (Snow/Wind) 0 in.	L / 999	0

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-30 lbs	-610 lbs	0 lbs	-610 lbs	-30 lbs
2	Pin		30 lbs	-610 lbs	0 lbs	-610 lbs	30 lbs

Materials

Type	Material	Bracing
Top Chd	350S150-54(50)	Sheathing
Bot Chd	350S150-54(50)	Purlin (96 in.)
Web	350S150-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing
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Truss Dimensions

Max Height	Max Width
2-3-10	3-6-0

Material Design Pass

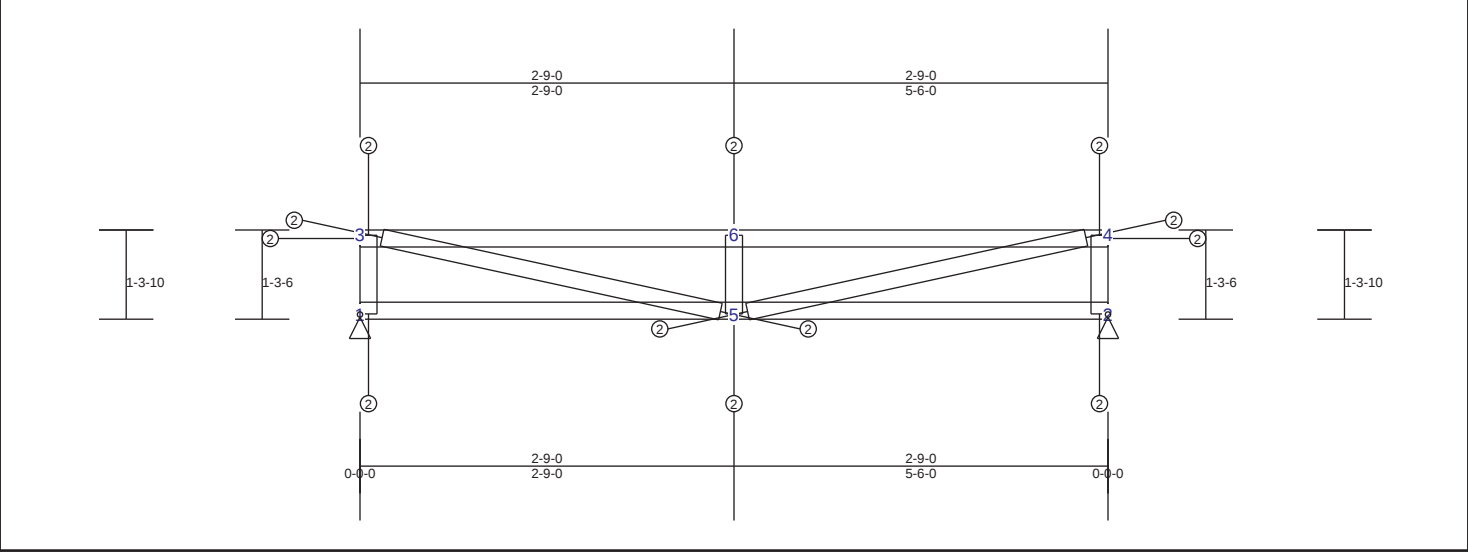
Member Forces Summary

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

Top Chord	Bot Chord
3-6 0.31 307 lbs -114 lbs	1-5 0.21 -281 lbs -281 lbs
4-6 0.31 307 lbs -114 lbs	2-5 0.21 -281 lbs -281 lbs

Web
1-3 0.03 619 lbs -236 lbs
5-6 0.05 1006 lbs -295 lbs
2-4 0.03 619 lbs -236 lbs
3-5 0.05 -564 lbs -564 lbs
4-5 0.05 -564 lbs -564 lbs

TRUSS HN16 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (6 - 4)	TL(V): 0 in.	L / 999	3	L / 240
BC : 0.33 (1 - 5)	LL(V): 0 in.	L / 999	3	L / 360
Web : 0.07 (5 - 4)	DL(V): 0 in.	L / 999	3	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: 0 in.		3	
	Web :			
	Snow/Wind -0.01 in.	L / 999	(3-6)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		30 lbs	-440 lbs	0 lbs	-440 lbs	30 lbs
2	Pin		-30 lbs	-440 lbs	0 lbs	-440 lbs	-30 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-3-13	5-6-0

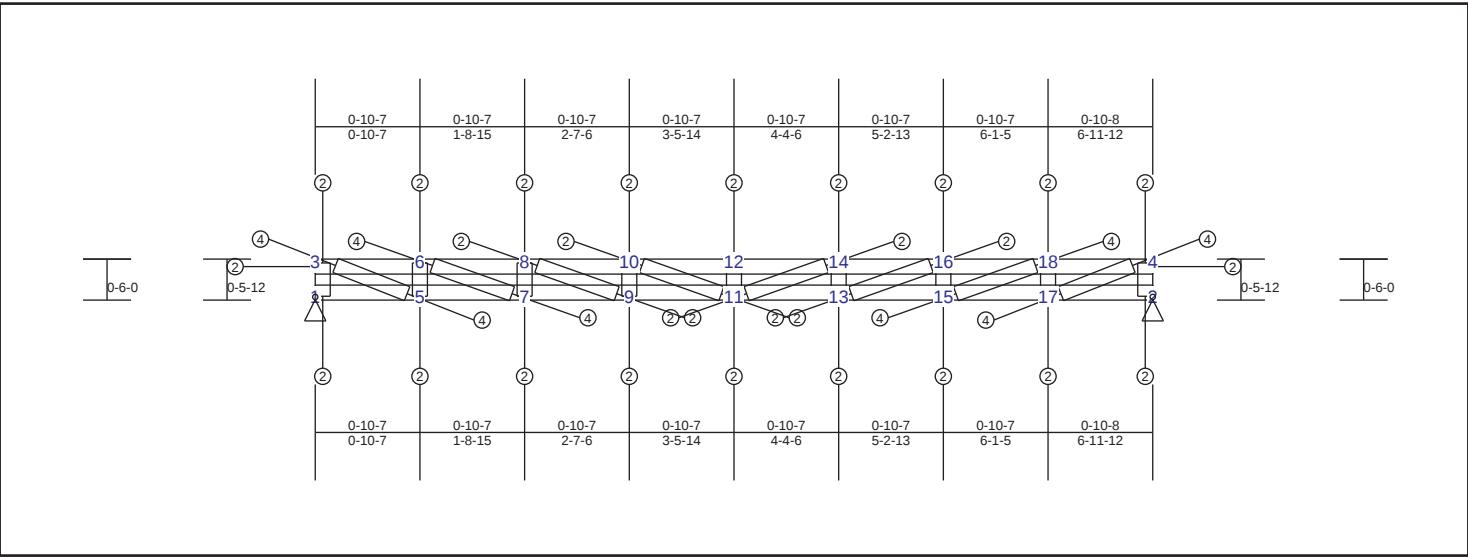
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.28	672 lbs	-553 lbs	1-5	0.33	-640 lbs	-640 lbs	1-3	0.03	461 lbs	-376 lbs
4-6	0.28	672 lbs	-553 lbs	2-5	0.33	-640 lbs	-640 lbs	5-6	0.04	730 lbs	-444 lbs
								2-4	0.03	461 lbs	-376 lbs
								3-5	0.07	-747 lbs	-747 lbs
								4-5	0.07	-747 lbs	-747 lbs

TRUSS HN17 (spacing 24 in)



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

Max CSI Summary	Deflection	L / (Loc)	Max. Allowed
TC : 0.24 (18 - 4)	TL(V): 0 in.	L / 999	3
BC : 0.19 (1 - 5)	LL(V): 0 in.	L / 999	3
Web : 0.07 (17 - 4)	DL(V): 0 in.	L / 999	3
	Cant / OH TL: 0 in.	2L / 999	0
	Cant / OH LL: 0 in.	2L / 999	0
	Horiz TL: 0 in.		3
	Web :		
	Snow/Wind 0 in.	L / 999	3
	Cant (Snow/Wind) 0 in.	L / 999	0

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		1320 lbs	520 lbs	0 lbs	-430 lbs	1320 lbs
2	Pin		-1320 lbs	520 lbs	0 lbs	-430 lbs	-1320 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
0-6-2	6-11-12

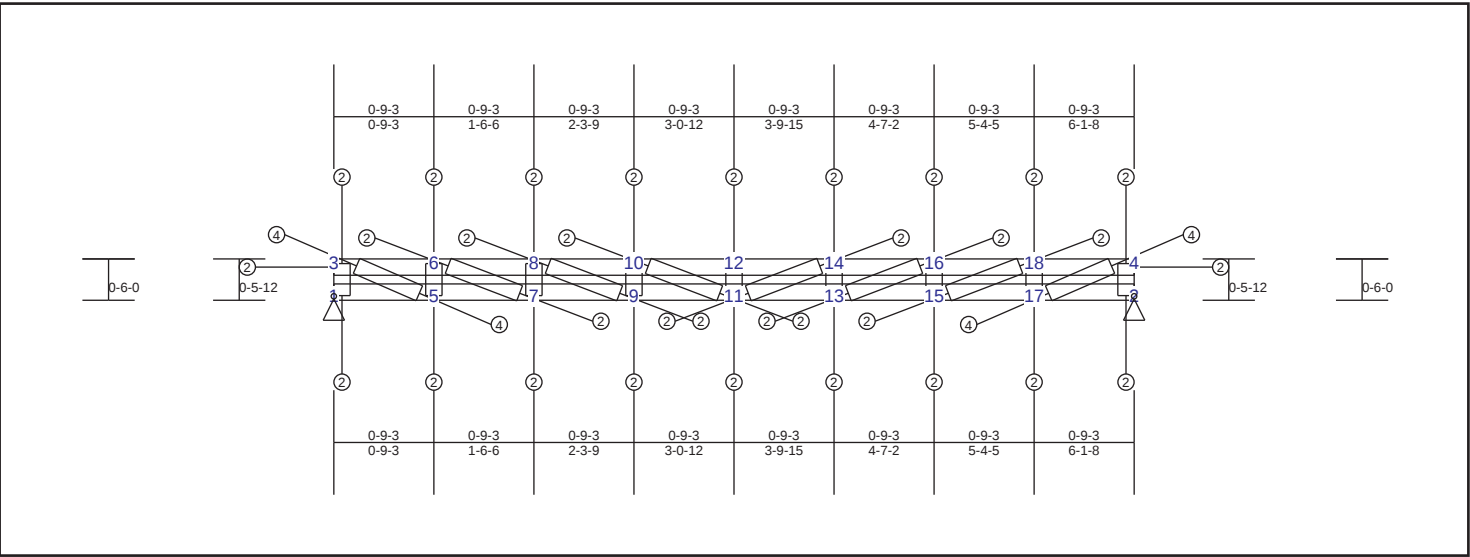
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.24	-964 lbs	-964 lbs	1-5	0.19	-1317 lbs	-1317 lbs	1-3	0.04	-553 lbs	-553 lbs
6-8	0.18	-1719 lbs	-1719 lbs	5-7	0.19	402 lbs	-353 lbs	5-6	0.05	-682 lbs	-682 lbs
8-10	0.23	-2151 lbs	-2151 lbs	7-9	0.11	834 lbs	-653 lbs	7-8	0.03	-388 lbs	-388 lbs
10-12	0.23	-2273 lbs	-2273 lbs	9-11	0.11	956 lbs	-725 lbs	9-10	0.02	-211 lbs	-211 lbs
12-14	0.23	-2273 lbs	-2273 lbs	11-13	0.11	956 lbs	-725 lbs	11-12	0.01	-99 lbs	-99 lbs
14-16	0.23	-2151 lbs	-2151 lbs	13-15	0.11	834 lbs	-653 lbs	13-14	0.02	-211 lbs	-211 lbs
16-18	0.18	-1719 lbs	-1719 lbs	15-17	0.19	402 lbs	-353 lbs	15-16	0.03	-388 lbs	-388 lbs
4-18	0.24	-964 lbs	-964 lbs	2-17	0.19	-1317 lbs	-1317 lbs	17-18	0.05	-682 lbs	-682 lbs
								2-4	0.04	-553 lbs	-553 lbs
								3-5	0.07	1167 lbs	-947 lbs
								6-7	0.05	886 lbs	-707 lbs
								8-9	0.03	507 lbs	-379 lbs
								10-11	0.01	143 lbs	-84 lbs
								11-14	0.01	143 lbs	-84 lbs
								13-16	0.03	507 lbs	-379 lbs
								15-18	0.05	886 lbs	-707 lbs
								4-17	0.07	1167 lbs	-948 lbs

TRUSS HN18 (spacing 24 in)



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

Max CSI Summary	Deflection	L / (Loc)	Max. Allowed
TC : 0.21 (3 - 6)	TL(V): 0 in.	L / 999	3
BC : 0.18 (1 - 5)	LL(V): 0 in.	L / 999	3
Web : 0.06 (3 - 5)	DL(V): 0 in.	L / 999	3
	Cant / OH TL: 0 in.	2L / 999	0
	Cant / OH LL: 0 in.	2L / 999	0
	Horiz TL: 0 in.		4
	Web :		
	Snow/Wind 0 in.	L / 999	3
	Cant (Snow/Wind) 0 in.	L / 999	0

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table						
P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift
1	Pin		1020 lbs	460 lbs	0 lbs	-390 lbs
2	Pin		-1020 lbs	460 lbs	0 lbs	-390 lbs

Materials			
Type	Material	Bracing	Section
Top Chd	350S150-54(50)	Sheathing	
Bot Chd	350S150-54(50)	Purlin (96 in.)	
Web	350S150-54(50)	Unbraced	

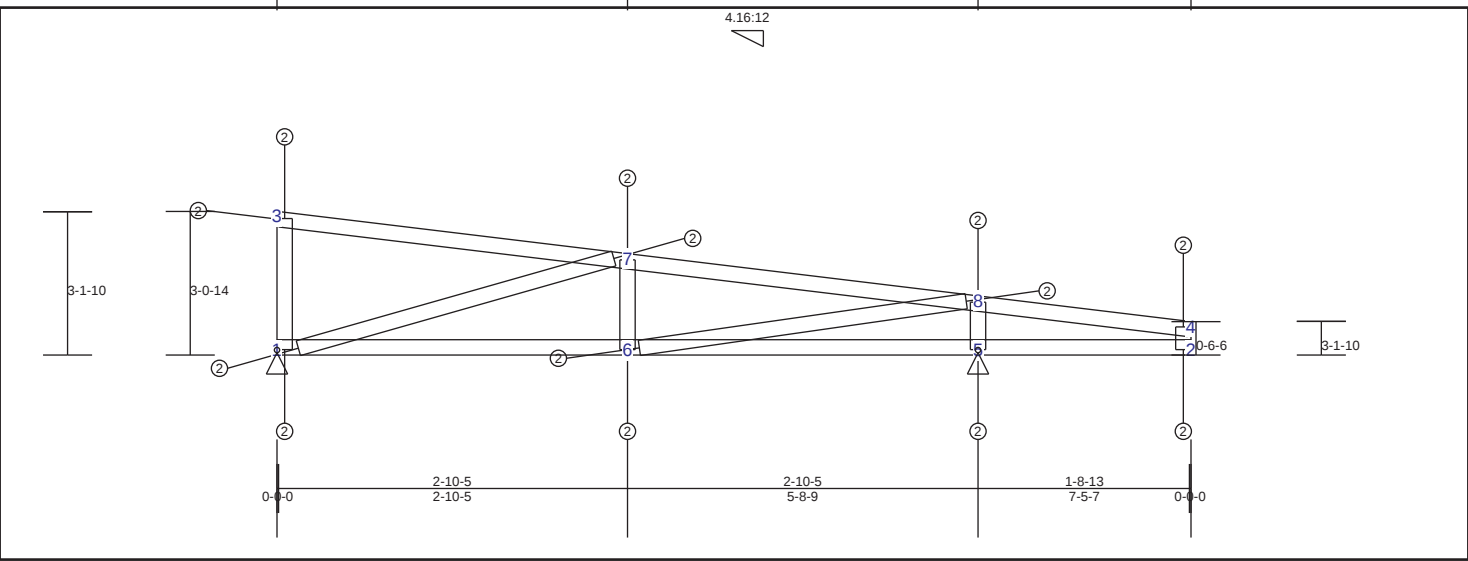
Truss Dimensions	
Max Height	Max Width
0-6-2	6-1-8

Material Design Pass
Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force						
Top Chord			Bot Chord			
3-6	0.21	-723 lbs	-723 lbs	1-5	0.18	-1016 lbs
6-8	0.15	-1313 lbs	-1313 lbs	5-7	0.18	297 lbs
8-10	0.18	-1644 lbs	-1644 lbs	7-9	0.10	628 lbs
10-12	0.18	-1741 lbs	-1741 lbs	9-11	0.10	725 lbs
12-14	0.18	-1741 lbs	-1741 lbs	11-13	0.10	725 lbs
14-16	0.18	-1644 lbs	-1644 lbs	13-15	0.10	628 lbs
16-18	0.15	-1313 lbs	-1313 lbs	15-17	0.18	297 lbs
4-18	0.21	-723 lbs	-723 lbs	2-17	0.18	-1016 lbs

Web		
1-3	0.04	-495 lbs
5-6	0.05	-649 lbs
7-8	0.03	-364 lbs
9-10	0.01	202 lbs
11-12	0.01	113 lbs
13-14	0.01	202 lbs
15-16	0.03	-364 lbs
17-18	0.05	-649 lbs
2-4	0.04	-495 lbs
3-5	0.06	951 lbs
6-7	0.05	737 lbs
8-9	0.03	413 lbs
10-11	0.01	121 lbs
11-14	0.01	121 lbs
13-16	0.03	413 lbs
15-18	0.05	737 lbs
4-17	0.06	951 lbs

TRUSS HN19 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (8 - 4)	TL(V): 0 in.	L / 999 (3-7)	L / 240
BC : 0.36 (6 - 5)	LL(V): 0 in.	L / 999 (3-7)	L / 360
Web : 0.05 (5 - 8)	DL(V): 0 in.	L / 999 (3-7)	L / 0
	Cant / OH TL: 0 in.	2L / 999 0	2L / 240
	Cant / OH LL: 0 in.	2L / 999 0	2L / 240
	Horiz TL: -0.01 in.	4	
	Web :		
	Snow/Wind -0.02 in.	L / 999 (3-7)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999 0	L / 360

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-360 lbs	-430 lbs	0 lbs	-430 lbs	-360 lbs
5	Pin		-120 lbs	720 lbs	0 lbs	-440 lbs	-120 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
3'-1-9	7'-5-7

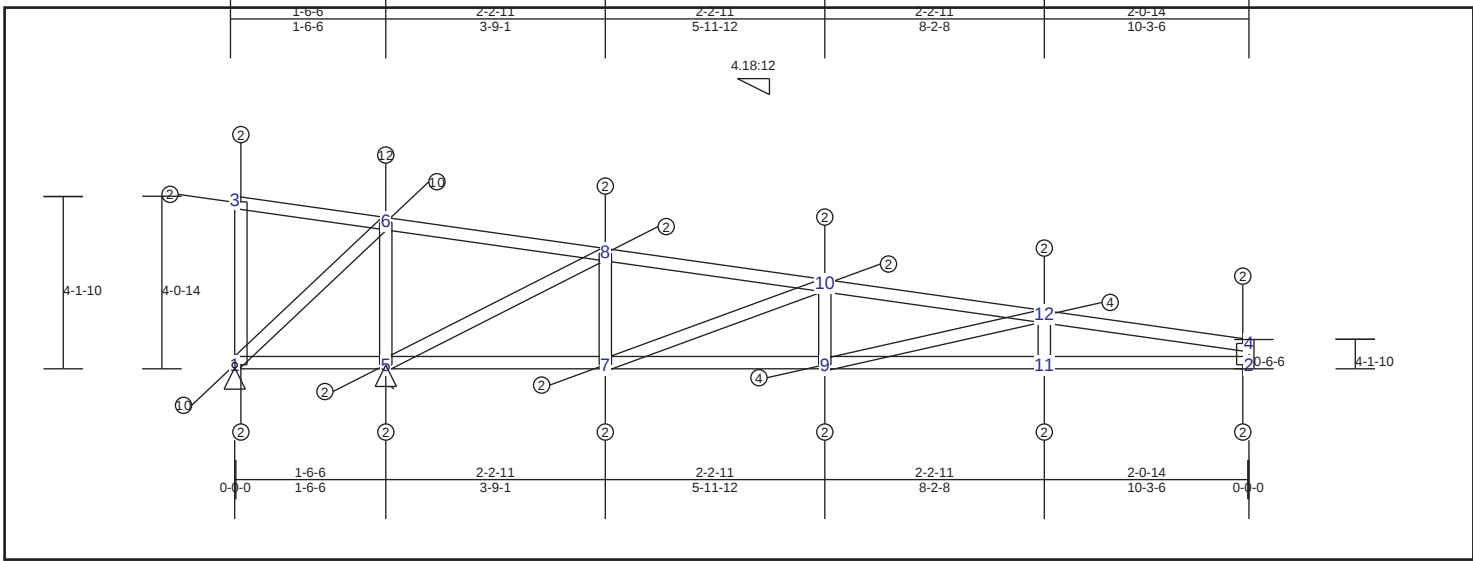
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web
3-7 0.29 -253 lbs -253 lbs	1-6 0.19 404 lbs -229 lbs	1-3 0.01 215 lbs -136 lbs
7-8 0.28 -331 lbs -331 lbs	5-6 0.36 121 lbs -119 lbs	6-7 0.00 60 lbs -36 lbs
4-8 0.31 202 lbs -144 lbs	2-5 0.36 -119 lbs -119 lbs	5-8 0.05 -580 lbs -580 lbs
		2-4 0.00 63 lbs -25 lbs
		1-7 0.04 532 lbs -404 lbs
		6-8 0.01 254 lbs -15 lbs

TRUSS HN20 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (10 - 12)	TL(V): 0.02 in.	L / 999	(3-6)	L / 240
BC : 0.43 (9 - 11)	LL(V): 0.01 in.	L / 999	(3-6)	L / 360
Web : 0.54 (6 - 5)	DL(V): 0.01 in.	L / 999	(3-6)	L / 0
	Cant / OH TL: 0.01 in.	2L / 0	(3-6)	2L / 240
	Cant / OH LL: 0.01 in.	2L / 0	(3-6)	2L / 240
	Horiz TL: 0.02 in.		3	
	Web :			
	Snow/Wind 0.02 in.	L / 999	(11-2)	L / 360
	Cant (Snow/Wind) 0.02 in.	L / 999	(11-2)	L / 360

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin	280 lbs	20 lbs	0 lbs	0 lbs	0 lbs	280 lbs
6	NA	960 lbs	1780 lbs	0 lbs	0 lbs	0 lbs	960 lbs
8	NA	0 lbs	0 lbs	0 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing
Top Chd	350S150-54(50)	Sheathing
Bot Chd	350S150-54(50)	Purlin (96 in.)
Web	350S150-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing
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Truss Dimensions

Max Height	Max Width
4'-2-0	10'-4-1

Material Design Pass

Member Forces Summary

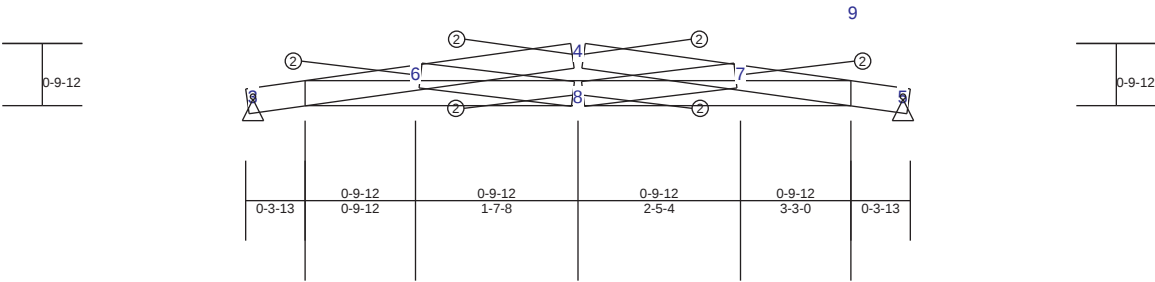
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord	Bot Chord	Web
3-6 0.09 -50 lbs -50 lbs	1-5 0.02 0 lbs 0 lbs	1-3 0.20 98 lbs -64 lbs
6-8 0.33 1718 lbs -1524 lbs	5-7 0.29 1365 lbs -1207 lbs	5-6 0.54 -4367 lbs -4367 lbs
8-10 0.33 1718 lbs -1524 lbs	7-9 0.16 1365 lbs -1207 lbs	7-8 0.04 444 lbs -384 lbs
10-12 0.67 893 lbs -864 lbs	9-11 0.43 914 lbs -747 lbs	9-10 0.03 -399 lbs -399 lbs
4-12 0.61 123 lbs -36 lbs	2-11 0.43 0 lbs 0 lbs	11-12 0.02 224 lbs -200 lbs
		2-4 0.00 90 lbs -48 lbs
		1-6 0.37 3886 lbs -3195 lbs
		5-8 0.25 -763 lbs -763 lbs
		7-10 0.06 -620 lbs -620 lbs
		9-12 0.08 1045 lbs -854 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 = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7) Gusset plate to be installed at hip, valley and ridge of the truss.

TRUSS HN21 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (6 - 4)	TL(V): 0 in.	L / 999	3	L / 240
BC :	0.25 (3 - 8)	LL(V): 0 in.	L / 999	3	L / 360
Web :	0.01 (8 - 7)	DL(V): 0 in.	L / 999	3	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 240
		Cant / OH LL: 0 in.	2L / 999	0	2L / 240
		Horiz TL: 0 in.		7	
		Web :			
		Snow/Wind 0 in.	L / 999	3	L / 360
		Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
3	Pin		-1540 lbs	-720 lbs	0 lbs	-720 lbs	-1540 lbs
5	Pin		1540 lbs	-720 lbs	0 lbs	-720 lbs	1540 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
0-11-1	3-4-6

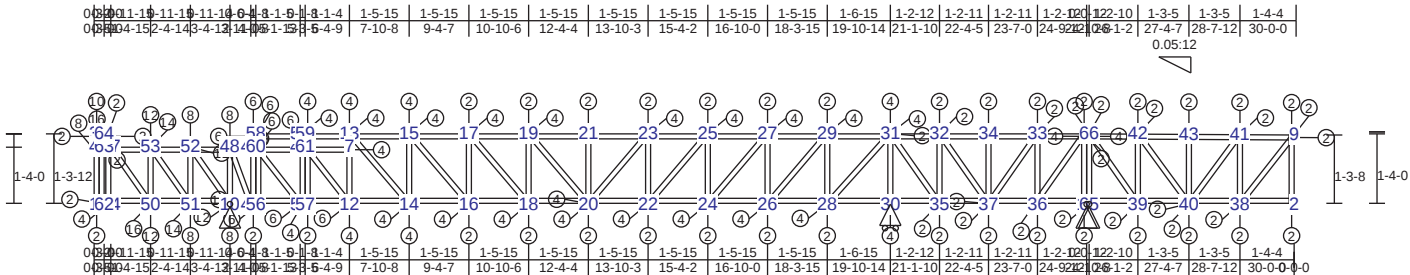
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-6	0.20	1892 lbs	-627 lbs	3-8	0.25	1493 lbs	-435 lbs	7-8	0.01	202 lbs	-24 lbs
4-6	0.23	676 lbs	-213 lbs	5-8	0.25	1493 lbs	-435 lbs	6-8	0.01	202 lbs	-24 lbs
4-7	0.23	676 lbs	-213 lbs								
5-7	0.20	1892 lbs	-627 lbs								

TRUSS J1 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (46 - 60)	TL(V): 0 in.	L / 999	12	L / 240
BC : 0.95 (51 - 10)	LL(V): 0 in.	L / 999	(18-20)	L / 360
Web : 0.15 (45 - 46)	DL(V): 0 in.	L / 999	(1-62)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: -0.04 in.		5	
	Web :			
	Snow/Wind 0 in.	L / 999		L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 40.00 psf, TC Dead = 6.00 psf; BC Live = 5.00 psf; BC Dead = 6.00 psf; TC LiveRoof = 0.00 psf
 - 3)Wind Criteria: None
 - 4)Snow Criteria: None
 - 5)For Wall Truss when sheathed Ly = 12 inches is used
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	Pin		-11950 lbs	26820 lbs	0 lbs	0 lbs	-11950 lbs
11	Pin		2960 lbs	640 lbs	0 lbs	0 lbs	2960 lbs
30	HRoll		0 lbs	-460 lbs	0 lbs	0 lbs	0 lbs
65	Pin		370 lbs	-320 lbs	0 lbs	0 lbs	370 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-4-15	30-0-8

Material Design Pass

Point Loads

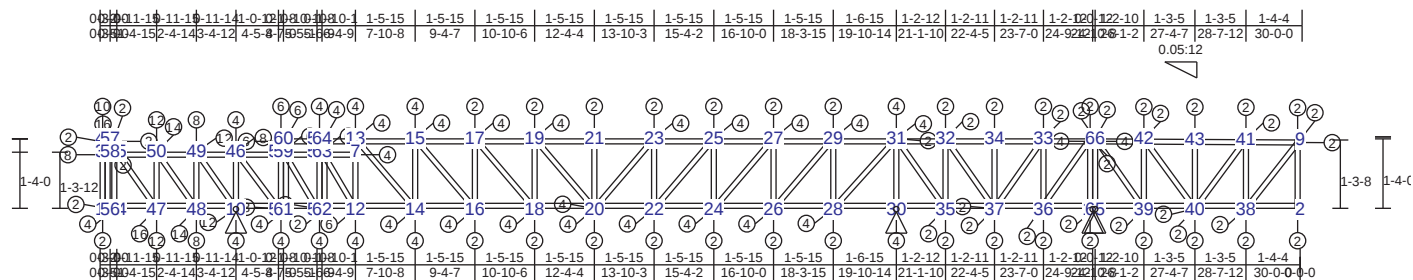
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB1-3	1-2-8	1-2-8	Concentrated	Dead	Down	Global	1535 lbs	1535 lbs	0 in.
WB1-3	1-2-8	1-2-8	Concentrated	Live	Down	Global	1100 lbs	1100 lbs	0 in.

Member Forces Summary

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

Top Chord				Top Chord				Bot Chord				Web				Web			
8-66	0.11	931 lbs	0 lbs	4-63	0.97	790 lbs	0 lbs	18-20	0.20	1484 lbs	-764 lbs	26-27	0.05	-653 lbs	-653 lbs	63-64	0.03	-346 lbs	-346 lbs
42-66	0.11	931 lbs	-2 lbs	47-63	0.94	1032 lbs	0 lbs	20-22	0.17	1378 lbs	-114 lbs	28-29	0.06	-800 lbs	-800 lbs	7-12	0.65	-1172 lbs	-1172 lbs
42-43	0.11	547 lbs	-2 lbs	47-53	0.85	5105 lbs	0 lbs	22-24	0.16	1520 lbs	0 lbs	30-31	0.10	-1195 lbs	-1195 lbs	7-13	0.31	-907 lbs	-907 lbs
41-43	0.05	239 lbs	0 lbs	52-53	0.94	8911 lbs	0 lbs	24-26	0.17	2171 lbs	0 lbs	32-35	0.02	-304 lbs	-304 lbs	8-11	0.02	-262 lbs	-262 lbs
9-41	0.04	52 lbs	0 lbs	48-52	0.97	11946 lbs	0 lbs	26-28	0.21	2782 lbs	-702 lbs	33-36	0.01	-158 lbs	-158 lbs	65-66	0.04	-497 lbs	-497 lbs
6-58	0.19	1961 lbs	-185 lbs	46-48	0.98	11946 lbs	0 lbs	28-30	0.21	3325 lbs	-1642 lbs	34-37	0.01	-104 lbs	-104 lbs	13-14	0.07	1262 lbs	0 lbs
54-58	0.36	3581 lbs	-403 lbs	46-60	0.99	10361 lbs	0 lbs	30-35	0.19	3325 lbs	-1642 lbs	40-43	0.01	-94 lbs	-94 lbs	12-61	0.10	1894 lbs	0 lbs
54-59	0.47	4586 lbs	-582 lbs	49-60	0.66	8227 lbs	-44 lbs	35-37	0.17	3299 lbs	-1367 lbs	39-42	0.04	-448 lbs	-448 lbs	55-60	0.11	2155 lbs	0 lbs
13-59	0.48	6782 lbs	-948 lbs	49-61	0.62	4897 lbs	-44 lbs	36-37	0.19	3216 lbs	-1143 lbs	38-41	0.00	73 lbs	0 lbs	45-48	0.19	3603 lbs	0 lbs
13-15	0.48	6782 lbs	-1338 lbs	7-61	0.47	3796 lbs	-155 lbs	11-36	0.21	2955 lbs	-1070 lbs	2-9	0.00	8 lbs	0 lbs	10-52	0.36	-4455 lbs	-4455 lbs
15-17	0.39	5835 lbs	-1565 lbs	Bot Chord				11-65	0.14	-929 lbs	-929 lbs	44-47	0.09	1164 lbs	-10 lbs	51-53	0.45	-5572 lbs	-5572 lbs
17-19	0.34	4911 lbs	-1625 lbs	1-62	0.31	-676 lbs	-676 lbs	39-65	0.14	-929 lbs	-929 lbs	5-47	0.03	146 lbs	-10 lbs	47-50	0.48	-5962 lbs	-5962 lbs
19-21	0.29	4049 lbs	-1625 lbs	44-62	0.46	-1032 lbs	-1032 lbs	39-40	0.12	-546 lbs	-546 lbs	10-48	0.20	-2581 lbs	-2581 lbs	15-16	0.06	1231 lbs	0 lbs
21-23	0.21	3222 lbs	-1520 lbs	44-50	0.62	-5105 lbs	-5105 lbs	38-40	0.07	-238 lbs	-238 lbs	45-46	0.15	-760 lbs	-760 lbs	17-18	0.06	1148 lbs	0 lbs
23-25	0.18	2476 lbs	-1251 lbs	50-51	0.94	-8911 lbs	-8911 lbs	2-38	0.02	-52 lbs	-52 lbs	6-46	0.50	-692 lbs	-692 lbs	19-20	0.06	1101 lbs	-141 lbs
25-27	0.16	1765 lbs	-815 lbs	10-51	0.95	-8911 lbs	-8911 lbs	Web				51-52	0.17	3209 lbs	0 lbs	20-23	0.08	-993 lbs	-993 lbs
27-29	0.20	1114 lbs	-217 lbs	10-45	0.95	-8661 lbs	-8661 lbs	1-4	0.77	-3406 lbs	-3406 lbs	50-53	0.23	4433 lbs	0 lbs	22-25	0.08	-947 lbs	-947 lbs
29-31	0.24	1501 lbs	-157 lbs	45-56	0.92	-7076 lbs	-7076 lbs	3-4	0.26	-3406 lbs	-3406 lbs	57-61	0.66	1084 lbs	-482 lbs	24-27	0.07	-867 lbs	-867 lbs
31-32	0.24	1501 lbs	-157 lbs	55-56	0.91	-6904 lbs	-6904 lbs	14-15	0.07	-827 lbs	-827 lbs	59-61	0.25	1084 lbs	-89 lbs	26-29	0.07	1036 lbs	-814 lbs
32-34	0.09	1226 lbs	-123 lbs	55-57	0.62	-5193 lbs	-5193 lbs	16-17	0.06	-780 lbs	-780 lbs	56-60	0.33	-1683 lbs	-1683 lbs	28-31	0.06	1224 lbs	-707 lbs
33-34	0.09	1002 lbs	-76 lbs	12-57	0.67	-5097 lbs	-5097 lbs	18-19	0.06	-763 lbs	-763 lbs	58-60	0.41	893 lbs	-155 lbs	31-35	0.02	403 lbs	-50 lbs
8-33	0.08	929 lbs	-23 lbs	12-14	0.43	-3640 lbs	-3640 lbs	20-21	0.01	-120 lbs	-120 lbs	49-55	0.57	-1153 lbs	-1153 lbs	32-37	0.02	328 lbs	-121 lbs
	0.07	-235 lbs	-235 lbs	14-16	0.33	-2551 lbs	-2551 lbs	22-23	0.03	662 lbs	-366 lbs	49-54	0.26	-1153 lbs	-1153 lbs	33-37	0.01	209 lbs	-159 lbs
23	0.05	-114 lbs	-114 lbs	16-18	0.21	-1626 lbs	-1626 lbs	24-25	0.04	594 lbs	-507 lbs	62-63	0.84	-475 lbs	-475 lbs	8-36	0.01	176 lbs	0 lbs
												40-41	0.02	-266 lbs	-266 lbs	39-66	0.03	564 lbs	0 lbs
												9-38	0.01	-72 lbs	-72 lbs	40-42	0.02	440 lbs	-4 lbs

TRUSS J2 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (45 - 50)	TL(V): 0 in.	L / 999	(12-14)	L / 240
BC : 0.93 (48 - 10)	LL(V): 0 in.	L / 999	(12-14)	L / 360
Web : 0.86 (61 - 59)	DL(V): 0 in.	L / 999	(1-56)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: -0.04 in.		5	
	Web :			
	Snow/Wind 0 in.	L / 999		L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

- Load Summary**
- 1) This Truss has been designed in accordance with LRFD 2016.
 - 2) This truss has been designed for the effects due to standard loading of TC Live 40.00 psf, TC Dead = 6.00 psf; BC Live = 5.00 psf; BC Dead = 6.00 psf; TC LiveRoof = 0.00 psf
 - 3) Wind Criteria: None
 - 4) Snow Criteria: None
 - 5) For Wall Truss when sheathed Ly = 12 inches is used
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table							
P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
10	Pin		-11960 lbs	21460 lbs	0 lbs	0 lbs	-11960 lbs
11	Pin		350 lbs	250 lbs	0 lbs	0 lbs	350 lbs
30	Pin		4290 lbs	-480 lbs	0 lbs	0 lbs	4290 lbs
65	Pin		350 lbs	250 lbs	0 lbs	0 lbs	350 lbs
Materials					Material Exceptions		
Type	Material	Bracing		Section	Material	Bracing	
Top Chd	350S150-54(50)	Sheathing					
Bot Chd	350S150-54(50)	Purlin (96 in.)					
Web	350S150-54(50)	Unbraced					

Truss Dimensions	
Max Height	Max Width
1-4-15	30-0-8

Material Design **Pass**

Point Loads									
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB1-4	1-2-8	1-2-8	Concentrated	Dead	Down	Global	1535 lbs	1535 lbs	0 in.
WB1-4	1-2-8	1-2-8	Concentrated	Live	Down	Global	1100 lbs	1100 lbs	0 in.

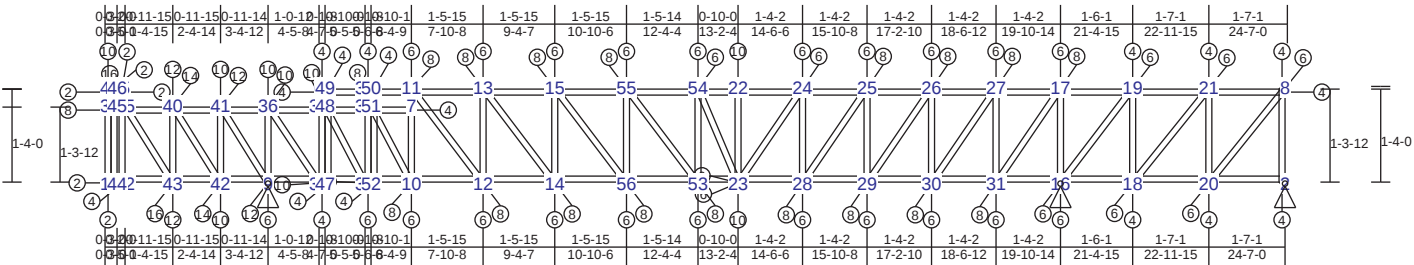
Member Forces Summary

Table Columns: Member ID, CSI, Max Axial Force, Max Comp. Force																			
Top Chord				Top Chord				Bot Chord				Web				Web			
8-66	0.11	944 lbs	-1 lbs	15-17	0.40	5987 lbs	-1593 lbs	12-62	0.58	-4062 lbs	-4062 lbs	14-15	0.07	-852 lbs	-852 lbs	6-52	0.45	-707 lbs	-707 lbs
42-66	0.12	944 lbs	-1 lbs	17-19	0.34	5036 lbs	-1650 lbs	12-14	0.35	-2734 lbs	-2734 lbs	16-17	0.06	-801 lbs	-801 lbs	53-54	0.64	-1119 lbs	-1119 lbs
42-43	0.11	544 lbs	0 lbs	19-21	0.30	4150 lbs	-1650 lbs	14-16	0.23	-1636 lbs	-1636 lbs	18-19	0.06	-787 lbs	-787 lbs	53-55	0.29	-1119 lbs	-1119 lbs
41-43	0.05	239 lbs	0 lbs	21-23	0.21	3294 lbs	-1539 lbs	16-18	0.20	1102 lbs	-685 lbs	20-21	0.01	-119 lbs	-119 lbs	59-61	0.86	-1607 lbs	-1607 lbs
9-41	0.04	52 lbs	0 lbs	23-25	0.18	2528 lbs	-1268 lbs	18-20	0.21	1102 lbs	-45 lbs	22-23	0.04	682 lbs	-369 lbs	59-60	0.41	905 lbs	-144 lbs
3-58	0.97	791 lbs	0 lbs	25-27	0.16	1792 lbs	-827 lbs	20-22	0.18	1822 lbs	0 lbs	24-25	0.04	616 lbs	-511 lbs	62-63	0.77	1001 lbs	-702 lbs
45-58	0.33	1032 lbs	0 lbs	27-29	0.20	1116 lbs	-226 lbs	22-24	0.18	2559 lbs	0 lbs	26-27	0.05	-656 lbs	-656 lbs	63-64	0.29	1001 lbs	-73 lbs
45-50	0.98	5104 lbs	0 lbs	29-31	0.24	1503 lbs	-174 lbs	24-26	0.20	3234 lbs	-322 lbs	28-29	0.06	-805 lbs	-805 lbs	7-12	0.69	-1375 lbs	-1375 lbs
49-50	0.76	8913 lbs	0 lbs	31-32	0.24	1503 lbs	-174 lbs	26-28	0.25	3869 lbs	-1103 lbs	30-31	0.10	-1192 lbs	-1192 lbs	7-13	0.32	-943 lbs	-943 lbs
46-49	0.96	11959 lbs	0 lbs	32-34	0.09	1236 lbs	-143 lbs	28-30	0.25	4445 lbs	-2051 lbs	32-35	0.02	-300 lbs	-300 lbs	56-58	0.84	-476 lbs	-476 lbs
46-52	0.93	11959 lbs	-110 lbs	33-34	0.09	1012 lbs	-92 lbs	30-35	0.23	4445 lbs	-2051 lbs	33-36	0.01	-161 lbs	-161 lbs	57-58	0.03	-346 lbs	-346 lbs
52-59	0.92	10223 lbs	-110 lbs	8-33	0.07	942 lbs	-48 lbs	35-37	0.08	141 lbs	-87 lbs	34-37	0.01	-112 lbs	-112 lbs	8-11	0.01	-134 lbs	-134 lbs
53-59	0.76	8286 lbs	-440 lbs	Bot Chord				36-37	0.05	-234 lbs	-234 lbs	40-43	0.01	-93 lbs	-93 lbs	65-66	0.04	-449 lbs	-449 lbs
53-63	0.69	5131 lbs	-230 lbs	1-56	0.31	-676 lbs	-676 lbs	11-36	0.04	-234 lbs	-234 lbs	39-42	0.04	-449 lbs	-449 lbs	45-47	0.48	-5961 lbs	-5961 lbs
7-63	0.56	3889 lbs	-382 lbs	44-56	0.46	-1032 lbs	-1032 lbs	11-65	0.12	-942 lbs	-942 lbs	38-41	0.00	74 lbs	0 lbs	48-50	0.45	-5575 lbs	-5575 lbs
4-57	0.07	-235 lbs	-235 lbs	44-47	0.84	-5104 lbs	-5104 lbs	39-65	0.12	-942 lbs	-942 lbs	2-9	0.00	9 lbs	0 lbs	10-49	0.36	-4471 lbs	-4471 lbs
5-57	0.05	-115 lbs	-115 lbs	47-48	0.93	-8913 lbs	-8913 lbs	39-40	0.12	-543 lbs	-543 lbs	44-45	0.09	1167 lbs	-10 lbs	46-51	0.13	2456 lbs	0 lbs
6-60	0.21	1770 lbs	-198 lbs	10-48	0.93	-8913 lbs	-8913 lbs	38-40	0.07	-239 lbs	-239 lbs	5-45	0.03	146 lbs	-10 lbs	54-59	0.12	2271 lbs	0 lbs
55-60	0.33	3372 lbs	-418 lbs	10-51	0.91	-7608 lbs	-7608 lbs	2-38	0.02	-52 lbs	-52 lbs	10-46	0.11	-1433 lbs	-1433 lbs	12-63	0.10	2009 lbs	0 lbs
55-64	0.44	4522 lbs	-611 lbs	51-61	0.86	-5872 lbs	-5872 lbs	Web				48-49	0.17	3242 lbs	0 lbs	13-14	0.07	1287 lbs	0 lbs
13-64	0.48	6953 lbs	-987 lbs	54-61	0.80	-5707 lbs	-5707 lbs	1-3	0.77	-3407 lbs	-3407 lbs	47-50	0.23	4425 lbs	0 lbs	15-16	0.07	1267 lbs	0 lbs
13-15	0.48	6953 lbs	-1370 lbs	54-62	0.56	-4152 lbs	-4152 lbs	3-4	0.26	-3407 lbs	-3407 lbs	51-52	0.97	-837 lbs	-837 lbs	17-18	0.06	1179 lbs	0 lbs

TRUSS J2 (spacing 24 in)

Web			
19-20	0.06	1140 lbs	-148 lbs
20-23	0.09	-1020 lbs	-1020 lbs
22-25	0.08	-981 lbs	-981 lbs
24-27	0.08	-900 lbs	-900 lbs
26-29	0.07	1040 lbs	-845 lbs
28-31	0.06	1233 lbs	-750 lbs
31-35	0.02	391 lbs	-45 lbs
32-37	0.02	329 lbs	-144 lbs
33-37	0.01	173 lbs	-138 lbs
8-36	0.01	236 lbs	0 lbs
39-66	0.03	587 lbs	-2 lbs
40-42	0.02	435 lbs	0 lbs
40-41	0.02	-267 lbs	-267 lbs
9-38	0.01	-71 lbs	-71 lbs

TRUSS J3 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (35 - 40)	TL(V): 0 in.	L / 999 (47-38)	L / 240
BC : 0.94 (42 - 9)	LL(V): 0 in.	L / 999 (47-38)	L / 360
Web : 0.91 (9 - 36)	DL(V): 0 in.	L / 999 (1-44)	L / 0
	Cant / OH TL: 0 in.	2L / 999	2L / 240
	Cant / OH LL: 0 in.	2L / 999	2L / 240
	Horiz TL: -0.02 in.	5	
	Web :		
	Snow/Wind 0 in.	L / 999	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	L / 360

- Load Summary
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 40.00 psf, TC Dead = 6.00 psf; BC Live = 5.00 psf; BC Dead = 6.00 psf; TC LiveRoof = 0.00 psf
 - 3)Wind Criteria: None
 - 4)Snow Criteria: None
 - 5)For Wall Truss when sheathed Ly = 12 inches is used
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	Pin		1560 lbs	-1180 lbs	0 lbs	0 lbs	1560 lbs
9	Pin		-12120 lbs	13430 lbs	0 lbs	0 lbs	-12120 lbs
16	Pin		-2350 lbs	4140 lbs	0 lbs	0 lbs	-2350 lbs
19	NA		3110 lbs	-980 lbs	0 lbs	0 lbs	3110 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-4-15	24-7-8

Material Design Pass

Point Loads

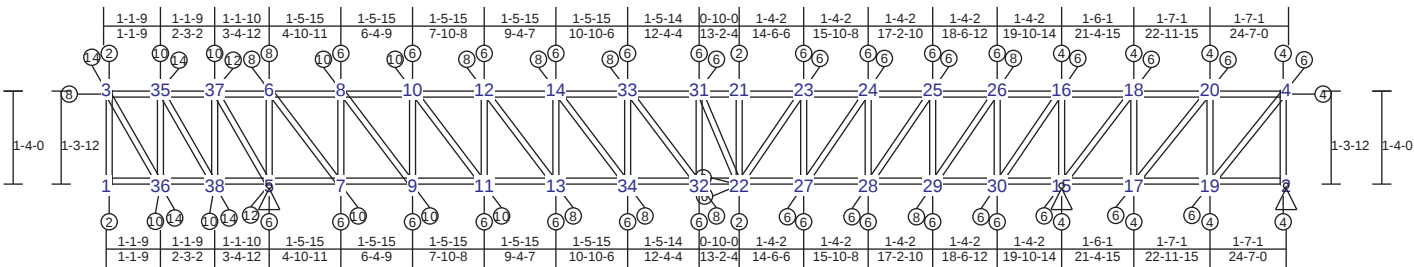
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB1-4	1-2-8	1-2-8	Concentrated	Dead	Down	Global	1535 lbs	1535 lbs	0 in.
WB22-23	1-2-8	1-2-8	Concentrated	Dead	Down	Global	350 lbs	350 lbs	0 in.
WB1-4	1-2-8	1-2-8	Concentrated	Live	Down	Global	1100 lbs	1100 lbs	0 in.
WB22-23	1-2-8	1-2-8	Concentrated	Live	Down	Global	1800 lbs	1800 lbs	0 in.

Member Forces Summary

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

Top Chord			Top Chord			Bot Chord			Web			Web							
3-45	0.97	795 lbs	0 lbs	25-26	0.48	-1171 lbs	-1171 lbs	28-29	0.48	5412 lbs	0 lbs	33-34	0.73	-1038 lbs	-1038 lbs	11-12	0.15	2910 lbs	0 lbs
35-45	0.20	1033 lbs	0 lbs	26-27	0.50	2775 lbs	-176 lbs	29-30	0.48	3482 lbs	-477 lbs	6-34	0.34	-568 lbs	-568 lbs	13-14	0.15	2921 lbs	0 lbs
35-40	0.98	5107 lbs	0 lbs	17-27	0.50	4664 lbs	0 lbs	30-31	0.51	1699 lbs	-1200 lbs	38-39	0.41	-1790 lbs	-1790 lbs	15-56	0.15	2833 lbs	0 lbs
40-41	0.97	8889 lbs	0 lbs	17-19	0.47	4664 lbs	0 lbs	16-31	0.60	-2352 lbs	-2352 lbs	37-39	0.18	-901 lbs	-901 lbs	53-55	0.14	2760 lbs	-128 lbs
36-41	0.94	12115 lbs	0 lbs	19-21	0.36	3140 lbs	0 lbs	16-18	0.60	-2352 lbs	-2352 lbs	40-43	0.23	4358 lbs	0 lbs	23-54	0.10	1942 lbs	-250 lbs
34-36	0.84	12115 lbs	-123 lbs	8-21	0.33	1489 lbs	0 lbs	18-20	0.35	-1583 lbs	-1583 lbs	41-42	0.18	3524 lbs	0 lbs	23-24	0.13	2429 lbs	0 lbs
34-48	0.89	9604 lbs	-123 lbs	Bot Chord				2-20	0.33	1557 lbs	0 lbs	9-36	0.91	-2300 lbs	-2300 lbs	25-28	0.14	2698 lbs	0 lbs
39-48	0.65	8080 lbs	-448 lbs	1-44	0.31	-676 lbs	-676 lbs	Web				44-45	0.84	-480 lbs	-480 lbs	26-29	0.14	2695 lbs	0 lbs
39-51	0.54	4512 lbs	-236 lbs	32-44	0.47	-1033 lbs	-1033 lbs	1-3	0.77	-3408 lbs	-3408 lbs	45-46	0.03	-343 lbs	-343 lbs	27-30	0.15	2823 lbs	0 lbs
7-51	0.49	3701 lbs	-395 lbs	32-43	0.73	-5107 lbs	-5107 lbs	3-4	0.26	-3408 lbs	-3408 lbs	7-10	0.56	-2241 lbs	-2241 lbs	17-31	0.14	2642 lbs	0 lbs
4-46	0.07	-237 lbs	-237 lbs	42-43	0.92	-8889 lbs	-8889 lbs	12-13	0.15	-1943 lbs	-1943 lbs	7-11	0.22	-2008 lbs	-2008 lbs	16-19	0.17	-2023 lbs	-2023 lbs
5-46	0.05	-119 lbs	-119 lbs	9-42	0.94	-9746 lbs	-9746 lbs	14-15	0.15	-1894 lbs	-1894 lbs	51-52	0.47	860 lbs	-822 lbs	18-21	0.18	-2144 lbs	-2144 lbs
6-49	0.17	1345 lbs	-210 lbs	9-33	0.94	-9746 lbs	-9746 lbs	16-17	0.15	-1821 lbs	-1821 lbs	50-51	0.18	860 lbs	-75 lbs	8-20	0.16	-1932 lbs	-1932 lbs
37-49	0.25	2530 lbs	-433 lbs	33-47	0.91	-7293 lbs	-7293 lbs	18-19	0.07	1402 lbs	0 lbs	47-48	0.77	-1518 lbs	-1518 lbs				
37-50	0.33	3245 lbs	-630 lbs	38-47	0.91	-7114 lbs	-7114 lbs	20-21	0.07	1288 lbs	0 lbs	48-49	0.30	722 lbs	-141 lbs				
11-50	0.50	4780 lbs	-1018 lbs	38-52	0.67	-4731 lbs	-4731 lbs	2-8	0.06	1205 lbs	0 lbs	53-54	0.14	-1747 lbs	-1747 lbs				
11-13	0.50	4780 lbs	-1415 lbs	10-52	0.70	-4635 lbs	-4635 lbs	22-23	0.26	-3278 lbs	-3278 lbs	55-56	0.15	-1856 lbs	-1856 lbs				
13-15	0.49	2816 lbs	-1653 lbs	10-12	0.56	-2578 lbs	-2578 lbs	24-28	0.14	-1813 lbs	-1813 lbs	35-43	0.48	-5964 lbs	-5964 lbs				
15-55	0.48	2017 lbs	-1767 lbs	12-14	0.50	1910 lbs	-630 lbs	25-29	0.15	-1884 lbs	-1884 lbs	40-42	0.45	-5537 lbs	-5537 lbs				
54-55	0.47	-3796 lbs	-3796 lbs	14-56	0.48	4038 lbs	0 lbs	26-30	0.15	-1912 lbs	-1912 lbs	9-41	0.38	-4735 lbs	-4735 lbs				
26	0.48	-4837 lbs	-4837 lbs	53-56	0.48	6108 lbs	0 lbs	27-31	0.16	-1986 lbs	-1986 lbs	33-36	0.56	3490 lbs	0 lbs				
	0.48	-4837 lbs	-4837 lbs	23-53	0.46	7149 lbs	0 lbs	32-35	0.09	1192 lbs	-10 lbs	38-48	0.19	3605 lbs	0 lbs				
	0.48	-3100 lbs	-3100 lbs	23-28	0.47	7149 lbs	0 lbs	5-35	0.03	145 lbs	-10 lbs	10-51	0.16	3170 lbs	0 lbs				

TRUSS J4 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (35 - 37)	TL(V): 0 in.	L / 999 (7-9)	L / 240
BC : 0.98 (38 - 5)	LL(V): 0 in.	L / 999 (7-9)	L / 360
Web : 0.77 (5 - 6)	DL(V): 0 in.	L / 999 (7-9)	L / 0
	Cant / OH TL: 0 in.	2L / 999	2L / 240
	Cant / OH LL: 0 in.	2L / 999	2L / 240
	Horiz TL: -0.01 in.	25	
	Web :		
	Snow/Wind 0 in.	L / 999	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 40.00 psf, TC Dead = 6.00 psf; BC Live = 5.00 psf; BC Dead = 6.00 psf; TC LiveRoof = 0.00 psf
 - 3)Wind Criteria: None
 - 4)Snow Criteria: None
 - 5)For Wall Truss when sheathed Ly = 12 inches is used
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	Pin		1480 lbs	-1110 lbs	0 lbs	0 lbs	1480 lbs
5	Pin		-9720 lbs	8150 lbs	0 lbs	0 lbs	-9720 lbs
15	Pin		-2510 lbs	3820 lbs	0 lbs	0 lbs	-2510 lbs
18	NA		2960 lbs	-920 lbs	0 lbs	0 lbs	2960 lbs
37	NA		-9720 lbs	8150 lbs	0 lbs	0 lbs	-9720 lbs

Materials

Type	Material	Bracing
Top Chd	350S150-54(50)	Sheathing
Bot Chd	350S150-54(50)	Purlin (96 in.)
Web	350S150-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing
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Truss Dimensions

Max Height	Max Width
1-4-15	24-8-1

Material Design Pass

Point Loads

Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB1-3	1-2-8	1-2-8	Concentrated	Dead	Down	Global	1535 lbs	1535 lbs	0 in.
WB31-32	1-2-8	1-2-8	Concentrated	Dead	Down	Global	350 lbs	350 lbs	0 in.
WB1-3	1-2-8	1-2-8	Concentrated	Live	Down	Global	1100 lbs	1100 lbs	0 in.
WB31-32	1-2-8	1-2-8	Concentrated	Live	Down	Global	1800 lbs	1800 lbs	0 in.

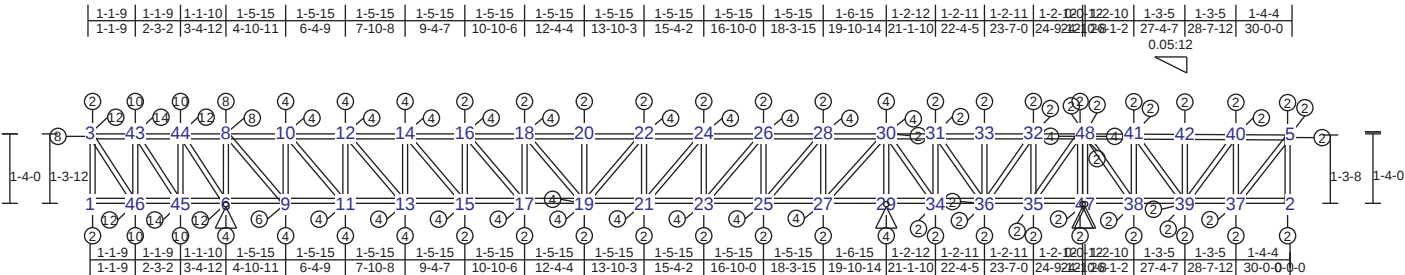
Member Forces Summary

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

Top Chord			Bot Chord			Web			Web						
3-35	0.60	3151 lbs	0 lbs	1-36	0.62	-3151 lbs	-3151 lbs	1-3	0.00	62 lbs	0 lbs	14-34	0.17	3203 lbs	0 lbs
35-37	0.99	6626 lbs	0 lbs	36-38	0.88	-6626 lbs	-6626 lbs	5-6	0.77	-2212 lbs	-2212 lbs	32-33	0.15	2953 lbs	-105 lbs
6-37	0.93	9719 lbs	0 lbs	5-38	0.98	-7746 lbs	-7746 lbs	7-8	0.18	-2222 lbs	-2222 lbs	22-31	0.14	-1699 lbs	-1699 lbs
6-8	0.72	9719 lbs	-275 lbs	5-7	0.98	-7746 lbs	-7746 lbs	9-10	0.18	-2217 lbs	-2217 lbs	22-23	0.12	2273 lbs	-28 lbs
8-10	0.57	7131 lbs	-877 lbs	7-9	0.67	-5202 lbs	-5202 lbs	11-12	0.17	-2161 lbs	-2161 lbs	24-27	0.12	2342 lbs	0 lbs
10-12	0.56	4586 lbs	-1292 lbs	9-11	0.56	-2657 lbs	-2657 lbs	13-14	0.17	-2115 lbs	-2115 lbs	25-28	0.12	2389 lbs	0 lbs
12-14	0.54	2831 lbs	-1547 lbs	11-13	0.55	2254 lbs	-777 lbs	15-16	0.13	-1615 lbs	-1615 lbs	26-29	0.13	2502 lbs	0 lbs
14-33	0.54	-2731 lbs	-2731 lbs	13-34	0.54	4661 lbs	0 lbs	17-18	0.07	1334 lbs	0 lbs	16-30	0.12	2341 lbs	0 lbs
31-33	0.52	-4947 lbs	-4947 lbs	32-34	0.54	6876 lbs	0 lbs	19-20	0.06	1223 lbs	0 lbs	15-18	0.16	-1930 lbs	-1930 lbs
21-31	0.50	-4947 lbs	-4947 lbs	22-32	0.25	6876 lbs	0 lbs	2-4	0.06	1143 lbs	0 lbs	17-20	0.17	-2038 lbs	-2038 lbs
21-23	0.42	-4036 lbs	-4036 lbs	22-27	0.44	5965 lbs	0 lbs	21-22	0.01	-79 lbs	-79 lbs	4-19	0.16	-1833 lbs	-1833 lbs
23-24	0.42	-2411 lbs	-2411 lbs	27-28	0.42	4340 lbs	0 lbs	23-27	0.13	-1643 lbs	-1643 lbs	3-36	0.40	-4879 lbs	-4879 lbs
24-25	0.42	973 lbs	-736 lbs	28-29	0.43	2665 lbs	-417 lbs	24-28	0.13	-1650 lbs	-1650 lbs	35-36	0.20	3897 lbs	0 lbs
25-26	0.44	2762 lbs	-164 lbs	29-30	0.46	1567 lbs	-1293 lbs	25-29	0.14	-1695 lbs	-1695 lbs	35-38	0.44	-5327 lbs	-5327 lbs
16-26	0.44	4435 lbs	0 lbs	15-30	0.57	-2506 lbs	-2506 lbs	26-30	0.14	-1763 lbs	-1763 lbs	37-38	0.19	3741 lbs	0 lbs
16-18	0.42	4435 lbs	0 lbs	15-17	0.57	-2506 lbs	-2506 lbs	33-34	0.17	-2078 lbs	-2078 lbs	5-37	0.39	-4730 lbs	-4730 lbs
18-20	0.34	2982 lbs	0 lbs	17-19	0.34	-1503 lbs	-1503 lbs	31-32	0.15	-1875 lbs	-1875 lbs				
4-20	0.31	1412 lbs	0 lbs	2-19	0.31	1479 lbs	0 lbs	6-7	0.41	3394 lbs	0 lbs				
								8-9	0.18	3389 lbs	0 lbs				
								10-11	0.17	3310 lbs	0 lbs				
								12-13	0.17	3231 lbs	0 lbs				

27

TRUSS J5 (spacing 24 in)



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

Max CSI Summary	Deflection	L	(Loc)	Max. Allowed
TC : 0.96 (43 - 44)	TL(V): 0 in.	L / 999	(13-15)	L / 240
BC : 0.98 (45 - 6)	LL(V): 0 in.	L / 999	(13-15)	L / 360
Web : 0.68 (6 - 8)	DL(V): 0 in.	L / 999	(11-13)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: -0.03 in.		3	
	Web :			
	Snow/Wind 0 in.	L / 999		L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 40.00 psf, TC Dead = 6.00 psf; BC Live = 5.00 psf; BC Dead = 6.00 psf; TC LiveRoof = 0.00 psf
 - 3)Wind Criteria: None
 - 4)Snow Criteria: None
 - 5)For Wall Truss when sheathed Ly = 12 inches is used
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
6	Pin		-9000 lbs	14920 lbs	0 lbs	0 lbs	-9000 lbs
7	Pin		350 lbs	250 lbs	0 lbs	0 lbs	350 lbs
29	Pin		3880 lbs	-490 lbs	0 lbs	0 lbs	3880 lbs
47	Pin		350 lbs	250 lbs	0 lbs	0 lbs	350 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-4-15	30-1-1

Material Design Pass

Point Loads

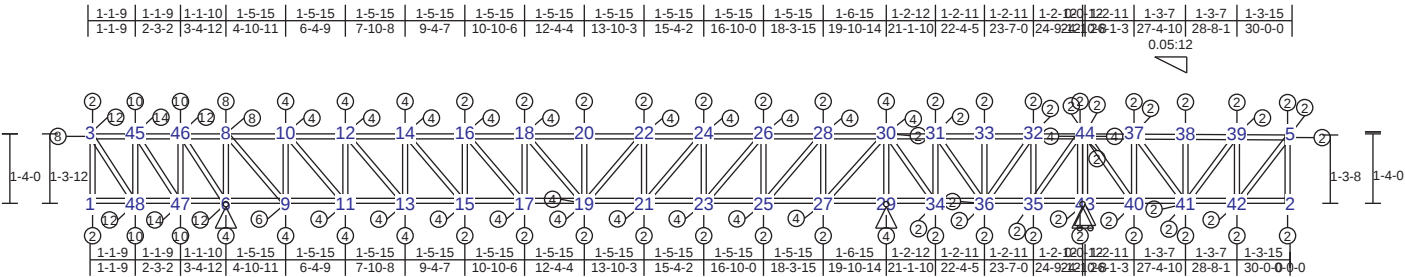
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB1-3	1-2-8	1-2-8	Concentrated	Dead	Down	Global	1350 lbs	1350 lbs	0 in.
WB1-3	1-2-8	1-2-8	Concentrated	Live	Down	Global	1100 lbs	1100 lbs	0 in.

Member Forces Summary

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

Top Chord			Bot Chord			Web			Web		
3-43	0.94	2954 lbs	0 lbs	1-46	0.91	-2954 lbs	-2954 lbs	1-3	0.00	49 lbs	0 lbs
43-44	0.96	6244 lbs	0 lbs	45-46	0.98	-6244 lbs	-6244 lbs	6-8	0.68	-1066 lbs	-1066 lbs
8-44	0.82	9005 lbs	0 lbs	6-45	0.98	-6244 lbs	-6244 lbs	9-10	0.07	-886 lbs	-886 lbs
8-10	0.60	9005 lbs	-260 lbs	6-9	0.94	-5095 lbs	-5095 lbs	11-12	0.07	-898 lbs	-898 lbs
10-12	0.51	7736 lbs	-848 lbs	9-11	0.46	-3850 lbs	-3850 lbs	13-14	0.07	-840 lbs	-840 lbs
12-14	0.45	6743 lbs	-1249 lbs	11-13	0.37	-2857 lbs	-2857 lbs	15-16	0.06	-788 lbs	-788 lbs
14-16	0.39	5750 lbs	-1490 lbs	13-15	0.25	-1864 lbs	-1864 lbs	17-18	0.06	-774 lbs	-774 lbs
16-18	0.33	4823 lbs	-1565 lbs	15-17	0.20	1084 lbs	-937 lbs	19-20	0.01	-119 lbs	-119 lbs
18-20	0.29	3949 lbs	-1565 lbs	17-19	0.20	1084 lbs	-133 lbs	21-22	0.03	671 lbs	-352 lbs
20-22	0.20	3109 lbs	-1472 lbs	19-21	0.17	1531 lbs	0 lbs	23-24	0.04	604 lbs	-495 lbs
22-24	0.17	2355 lbs	-1219 lbs	21-23	0.17	2254 lbs	0 lbs	25-26	0.05	-640 lbs	-640 lbs
24-26	0.16	1633 lbs	-796 lbs	23-25	0.19	2916 lbs	-268 lbs	27-28	0.06	-789 lbs	-789 lbs
26-28	0.19	971 lbs	-213 lbs	25-27	0.23	3536 lbs	-1031 lbs	29-30	0.09	-1172 lbs	-1172 lbs
28-30	0.23	1480 lbs	-223 lbs	27-29	0.24	4098 lbs	-1961 lbs	31-34	0.02	-294 lbs	-294 lbs
30-31	0.23	1480 lbs	-223 lbs	29-34	0.22	4098 lbs	-1961 lbs	32-35	0.02	-194 lbs	-194 lbs
31-33	0.09	1218 lbs	-180 lbs	34-36	0.08	169 lbs	-81 lbs	33-36	0.01	-112 lbs	-112 lbs
32-33	0.09	1000 lbs	-116 lbs	35-36	0.05	-292 lbs	-292 lbs	39-42	0.01	-93 lbs	-93 lbs
4-32	0.07	942 lbs	-60 lbs	7-35	0.04	-292 lbs	-292 lbs	38-41	0.04	-449 lbs	-449 lbs
4-48	0.11	944 lbs	-1 lbs	7-47	0.12	-942 lbs	-942 lbs	37-40	0.00	74 lbs	0 lbs
41-48	0.12	944 lbs	-1 lbs	38-47	0.12	-942 lbs	-942 lbs	2-5	0.00	9 lbs	0 lbs
41-42	0.11	544 lbs	0 lbs	38-39	0.12	-543 lbs	-543 lbs	44-45	0.17	3298 lbs	0 lbs
40-42	0.05	239 lbs	0 lbs	37-39	0.07	-239 lbs	-239 lbs	43-46	0.19	3710 lbs	0 lbs
	0.04	52 lbs	0 lbs	2-37	0.02	-52 lbs	-52 lbs	4-7	0.01	-157 lbs	-157 lbs

TRUSS J6 (spacing 24 in)



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

Max CSI Summary	Deflection	L	(Loc)	Max. Allowed
TC : 0.96 (45 - 46)	TL(V): 0 in.	L / 999	(13-15)	L / 240
BC : 2.98 (47 - 6)	LL(V): 0 in.	L / 999	(43-40)	L / 360
Web : 0.68 (6 - 8)	DL(V): 0 in.	L / 999	(11-13)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	(43-40)	2L / 240
	Horiz TL: -0.03 in.		3	
	Web :			
	Snow/Wind 0 in.	L / 999		L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 40.00 psf, TC Dead = 6.00 psf; BC Live = 5.00 psf; BC Dead = 6.00 psf; TC LiveRoof = 0.00 psf
 - 3)Wind Criteria: None
 - 4)Snow Criteria: None
 - 5)For Wall Truss when sheathed Ly = 12 inches is used
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
6	Pin		-9000 lbs	14920 lbs	0 lbs	0 lbs	-9000 lbs
7	HRoll		0 lbs	290 lbs	0 lbs	0 lbs	0 lbs
29	Pin		3890 lbs	-490 lbs	0 lbs	0 lbs	3890 lbs
43	HRoll		0 lbs	290 lbs	0 lbs	0 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-4-15	30-1-1

Material Design Fail

Point Loads

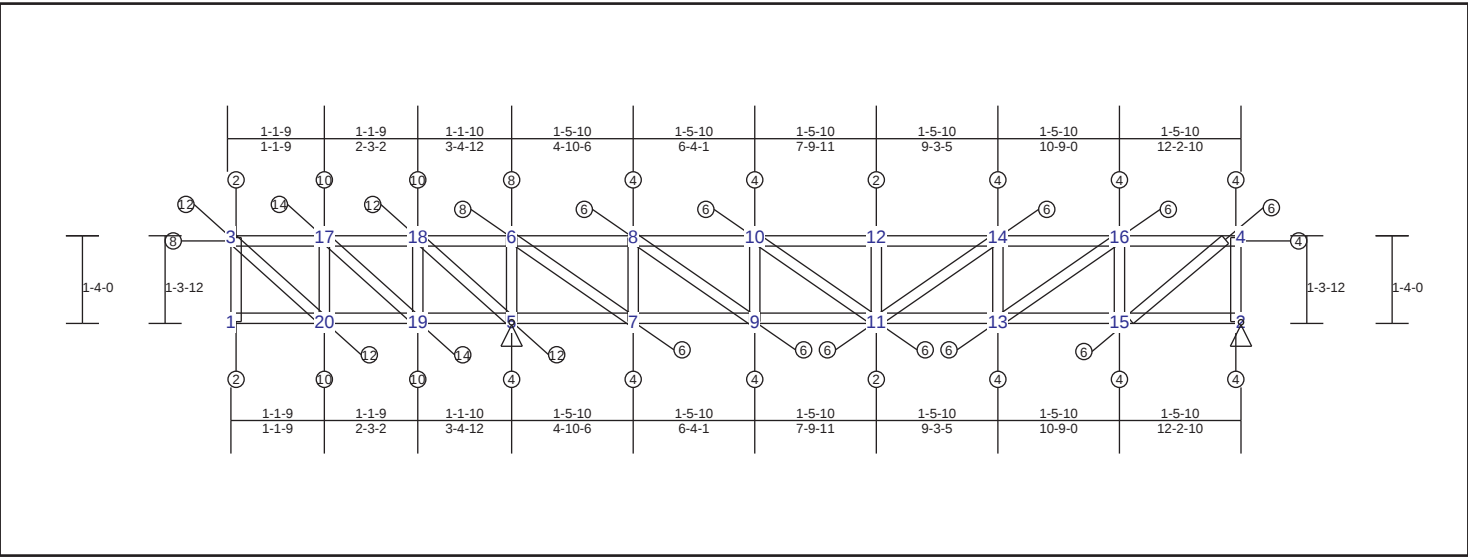
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB1-3	1-2-8	1-2-8	Concentrated	Dead	Down	Global	1350 lbs	1350 lbs	0 in.
WB1-3	1-2-8	1-2-8	Concentrated	Live	Down	Global	1100 lbs	1100 lbs	0 in.

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
4-44	0.11	932 lbs	0 lbs	1-48	0.91	-2954 lbs	-2954 lbs	1-3	0.00	49 lbs	0 lbs	45-48	0.19	3710 lbs	0 lbs
37-44	0.11	932 lbs	0 lbs	47-48	0.98	-6244 lbs	-6244 lbs	6-8	0.68	-1066 lbs	-1066 lbs	3-48	0.38	-4573 lbs	-4573 lbs
37-38	0.10	545 lbs	0 lbs	6-47	2.98	-6244 lbs	-6244 lbs	9-10	0.07	-886 lbs	-886 lbs	45-47	0.42	-5044 lbs	-5044 lbs
38-39	0.05	235 lbs	0 lbs	6-9	2.94	-5095 lbs	-5095 lbs	11-12	0.07	-898 lbs	-898 lbs	6-46	0.35	-4222 lbs	-4222 lbs
5-39	0.04	50 lbs	0 lbs	9-11	0.47	-3850 lbs	-3850 lbs	13-14	0.07	-840 lbs	-840 lbs	8-9	0.35	2272 lbs	0 lbs
3-45	0.94	2954 lbs	0 lbs	11-13	0.37	-2857 lbs	-2857 lbs	15-16	0.06	-788 lbs	-788 lbs	10-11	0.07	1323 lbs	0 lbs
45-46	0.96	6244 lbs	0 lbs	13-15	0.25	-1864 lbs	-1864 lbs	17-18	0.06	-774 lbs	-774 lbs	12-13	0.07	1322 lbs	0 lbs
8-46	0.82	9005 lbs	0 lbs	15-17	0.20	1074 lbs	-937 lbs	19-20	0.01	-119 lbs	-119 lbs	14-15	0.06	1235 lbs	0 lbs
8-10	0.60	9005 lbs	-279 lbs	17-19	0.20	1074 lbs	-132 lbs	21-22	0.03	671 lbs	-334 lbs	16-17	0.06	1164 lbs	0 lbs
10-12	0.51	7736 lbs	-888 lbs	19-21	0.17	1532 lbs	0 lbs	23-24	0.04	604 lbs	-477 lbs	18-19	0.06	1119 lbs	-97 lbs
12-14	0.45	6743 lbs	-1309 lbs	21-23	0.17	2254 lbs	0 lbs	25-26	0.05	-622 lbs	-622 lbs	19-22	0.08	-1005 lbs	-1005 lbs
14-16	0.39	5750 lbs	-1571 lbs	23-25	0.19	2916 lbs	-196 lbs	27-28	0.06	-771 lbs	-771 lbs	21-24	0.08	-962 lbs	-962 lbs
16-18	0.33	4822 lbs	-1667 lbs	25-27	0.23	3536 lbs	-938 lbs	29-30	0.09	-1103 lbs	-1103 lbs	23-26	0.07	-882 lbs	-882 lbs
18-20	0.29	3948 lbs	-1667 lbs	27-29	0.23	4098 lbs	-1845 lbs	31-34	0.02	-233 lbs	-233 lbs	25-28	0.07	989 lbs	-826 lbs
20-22	0.20	3108 lbs	-1594 lbs	29-34	0.21	4098 lbs	-1845 lbs	32-35	0.02	-194 lbs	-194 lbs	27-30	0.06	1180 lbs	-732 lbs
22-24	0.17	2354 lbs	-1362 lbs	34-36	0.12	-1040 lbs	-1040 lbs	33-36	0.01	-105 lbs	-105 lbs	30-34	0.02	311 lbs	-69 lbs
24-26	0.16	1632 lbs	-960 lbs	35-36	0.11	-930 lbs	-930 lbs	2-5	0.00	8 lbs	0 lbs	31-36	0.02	234 lbs	-187 lbs
26-28	0.19	970 lbs	-397 lbs	7-35	0.12	-930 lbs	-930 lbs	37-40	0.04	-447 lbs	-447 lbs	32-36	0.01	214 lbs	-66 lbs
28-30	0.23	1252 lbs	-213 lbs	7-43	0.14	-930 lbs	-930 lbs	38-41	0.01	-96 lbs	-96 lbs	4-35	0.01	278 lbs	0 lbs
30-31	0.23	1252 lbs	-213 lbs	40-43	0.14	-930 lbs	-930 lbs	39-42	0.00	72 lbs	0 lbs	40-44	0.03	566 lbs	0 lbs
31-33	0.08	1040 lbs	-165 lbs	40-41	0.12	-544 lbs	-544 lbs	4-7	0.01	-156 lbs	-156 lbs	37-41	0.02	440 lbs	0 lbs
32-33	0.08	880 lbs	-104 lbs	41-42	0.07	-235 lbs	-235 lbs	43-44	0.04	-500 lbs	-500 lbs	39-41	0.02	-264 lbs	-264 lbs
	0.08	930 lbs	-52 lbs	2-42	0.02	-50 lbs	-50 lbs	46-47	0.17	3298 lbs	0 lbs	5-42	0.01	-69 lbs	-69 lbs

TRUSS J7 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (17 - 18)	TL(V): 0 in.	L / 999 (3-17)	L / 240
BC : 0.97 (19 - 5)	LL(V): 0 in.	L / 999 (3-17)	L / 360
Web : 0.69 (5 - 6)	DL(V): 0 in.	L / 999 (3-17)	L / 0
	Cant / OH TL: 0 in.	2L / 999	2L / 240
	Cant / OH LL: 0 in.	2L / 999	2L / 240
	Horiz TL: -0.02 in.	3	
	Web :		
	Snow/Wind 0 in.	L / 999	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	L / 360

- Load Summary**
- 1) This Truss has been designed in accordance with LRFD 2016.
 - 2) This truss has been designed for the effects due to standard loading of TC Live 40.00 psf, TC Dead = 6.00 psf; BC Live = 5.00 psf; BC Dead = 6.00 psf; TC LiveRoof = 0.00 psf
 - 3) Wind Criteria: None
 - 4) Snow Criteria: None
 - 5) For Wall Truss when sheathed Ly = 12 inches is used
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	Pin		4400 lbs	-1120 lbs	0 lbs	0 lbs	4400 lbs
5	Pin		-9060 lbs	11770 lbs	0 lbs	0 lbs	-9060 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-4-14	12-3-3

Material Design **Pass**

Point Loads

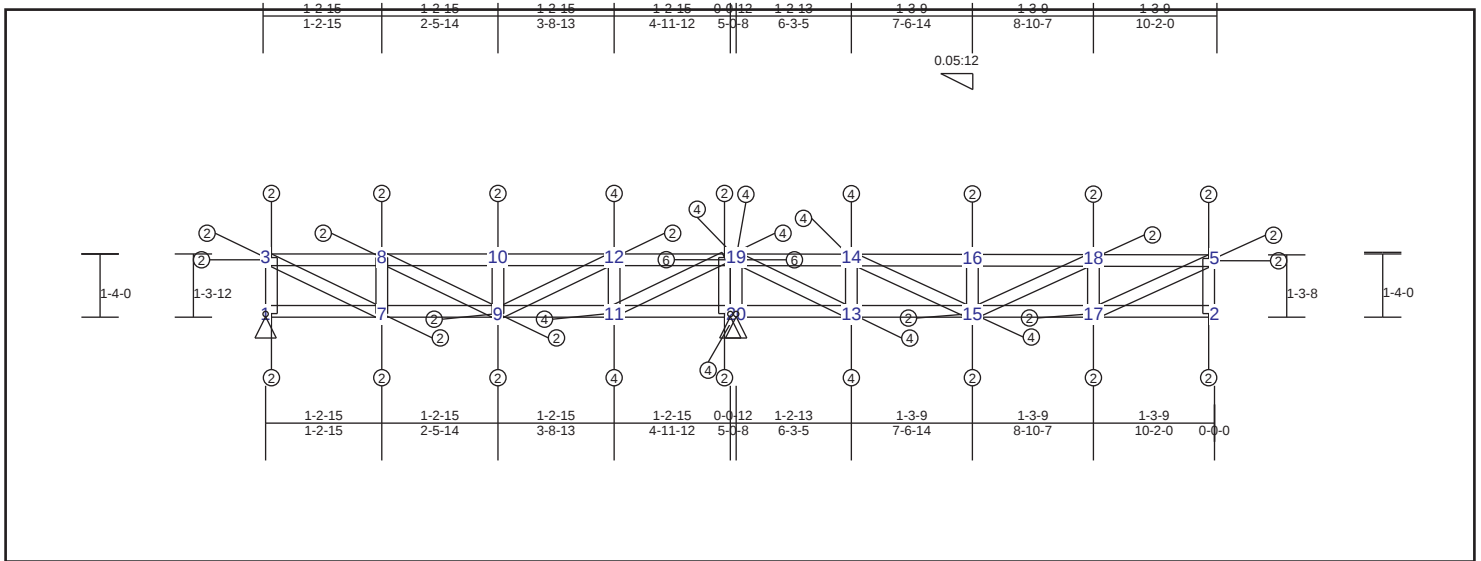
Member	Start Loc	End Loc	Distribution	Category	Direction	Dir Type	Start Mag	End Mag	Trib Width
WB1-3	1-2-8	1-2-8	Concentrated	Dead	Down	Global	1350 lbs	1350 lbs	0 in.
WB1-3	1-2-8	1-2-8	Concentrated	Live	Down	Global	1100 lbs	1100 lbs	0 in.

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-17	0.94	2956 lbs	0 lbs	1-20	0.90	-2956 lbs	-2956 lbs	1-3	0.00	53 lbs	0 lbs
17-18	0.95	6233 lbs	0 lbs	19-20	0.97	-6233 lbs	-6233 lbs	5-6	0.69	-1496 lbs	-1496 lbs
6-18	0.84	9064 lbs	0 lbs	5-19	0.97	-6233 lbs	-6233 lbs	7-8	0.11	-1382 lbs	-1382 lbs
6-8	0.63	9064 lbs	-62 lbs	5-7	0.93	-4631 lbs	-4631 lbs	9-10	0.12	-1450 lbs	-1450 lbs
8-10	0.50	7327 lbs	-375 lbs	7-9	0.36	-2922 lbs	-2922 lbs	11-12	0.01	-120 lbs	-120 lbs
10-12	0.45	5771 lbs	-517 lbs	9-11	0.38	-1366 lbs	-1366 lbs	13-14	0.07	1288 lbs	-120 lbs
12-14	0.33	4214 lbs	-517 lbs	11-13	0.34	1637 lbs	0 lbs	15-16	0.08	1459 lbs	-344 lbs
14-16	0.36	2768 lbs	-507 lbs	13-15	0.43	3117 lbs	0 lbs	2-4	0.06	1195 lbs	-347 lbs
4-16	0.50	1288 lbs	-320 lbs	2-15	0.43	4405 lbs	-161 lbs	17-20	0.19	3687 lbs	0 lbs
								18-19	0.18	3397 lbs	0 lbs
								3-20	0.38	-4576 lbs	-4576 lbs
								17-19	0.41	-5024 lbs	-5024 lbs
								5-18	0.36	-4330 lbs	-4330 lbs
								6-7	0.36	2295 lbs	0 lbs
								8-9	0.11	2086 lbs	0 lbs
								10-11	0.11	2088 lbs	0 lbs
								11-14	0.16	-1939 lbs	-1939 lbs
								13-16	0.17	-1984 lbs	-1984 lbs
								4-15	0.16	-1900 lbs	-1900 lbs

TRUSS J8 (spacing 24 in)



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

Max CSI Summary	Deflection	L /	(Loc)	Max. Allowed
TC : 0.24 (12 - 4)	TL(V): 0 in.	L / 999		L / 240
BC : 0.25 (6 - 20)	LL(V): 0 in.	L / 999	(3-8)	L / 360
Web : 0.08 (20 - 19)	DL(V): 0 in.	L / 999	(3-8)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: 0 in.		0	
	Web :			
	Snow/Wind 0 in.	L / 999		L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

Load Summary

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 40.00 psf, TC Dead = 6.00 psf; BC Live = 5.00 psf; BC Dead = 6.00 psf; TC LiveRoof = 0.00 psf
- 3) Wind Criteria: None
- 4) Snow Criteria: None
- 5) For Wall Truss when sheathed Ly = 12 inches is used
- 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		-720 lbs	-30 lbs	0 lbs	0 lbs	-720 lbs
6	Pin		-1070 lbs	440 lbs	0 lbs	0 lbs	-1070 lbs
20	Pin		1790 lbs	1320 lbs	0 lbs	0 lbs	1790 lbs

Materials

Type	Material	Bracing
Top Chd	350S150-54(50)	Sheathing
Bot Chd	350S150-54(50)	Purlin (96 in.)
Web	350S150-54(50)	Unbraced

Material Exceptions

Section	Material	Bracing
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Truss Dimensions

Max Height	Max Width
1-4-13	10-3-1

Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-8	0.07	108 lbs	0 lbs	1-7	0.06	723 lbs	0 lbs	1-3	0.00	40 lbs	0 lbs
8-10	0.09	461 lbs	0 lbs	7-9	0.14	615 lbs	0 lbs	7-8	0.01	179 lbs	0 lbs
10-12	0.19	1004 lbs	0 lbs	9-11	0.14	-1068 lbs	-1068 lbs	9-10	0.01	-164 lbs	-164 lbs
4-12	0.24	1791 lbs	0 lbs	6-11	0.12	-1068 lbs	-1068 lbs	11-12	0.07	-832 lbs	-832 lbs
4-19	0.21	1794 lbs	0 lbs	6-20	0.25	-1791 lbs	-1791 lbs	4-6	0.06	-701 lbs	-701 lbs
14-19	0.22	1794 lbs	0 lbs	13-20	0.25	-1791 lbs	-1791 lbs	13-14	0.07	-837 lbs	-837 lbs
14-16	0.20	1040 lbs	0 lbs	13-15	0.22	-1037 lbs	-1037 lbs	15-16	0.01	-174 lbs	-174 lbs
16-18	0.09	444 lbs	0 lbs	15-17	0.13	-444 lbs	-444 lbs	17-18	0.01	152 lbs	0 lbs
5-18	0.07	91 lbs	0 lbs	2-17	0.03	-90 lbs	-90 lbs	2-5	0.00	15 lbs	0 lbs
								19-20	0.08	-990 lbs	-990 lbs
								3-7	0.01	-158 lbs	-158 lbs
								8-9	0.04	-513 lbs	-513 lbs
								9-12	0.04	789 lbs	0 lbs
								4-11	0.06	1157 lbs	0 lbs
								13-19	0.06	1101 lbs	0 lbs
								14-15	0.04	843 lbs	0 lbs
								15-18	0.04	-500 lbs	-500 lbs
								5-17	0.01	-128 lbs	-128 lbs

[illegible]

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.12 (20 - 21)	TL(V): 0 in.	L / 999		L / 240
BC : 0.09 (19 - 6)	LL(V): 0 in.	L / 999	4	L / 360
Web : 0.08 (6 - 21)	DL(V): 0 in.	L / 999	4	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 0
	Cant / OH LL: 0 in.	2L / 999	0	2L / 0
	Horiz TL: 0 in.		0	
Web :				
Snow/Wind 0 in.		L / 999		L / 0
Cant (Snow/Wind) 0 in.		L / 999	0	L / 0

Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin	100 lbs	370 lbs	0 lbs	0 lbs	100 lbs	
6	Pin	-330 lbs	290 lbs	0 lbs	0 lbs	-330 lbs	
8	Pin	150 lbs	410 lbs	0 lbs	0 lbs	150 lbs	
15	Pin	-130 lbs	340 lbs	0 lbs	0 lbs	-130 lbs	
18	NA	-110 lbs	210 lbs	0 lbs	0 lbs	-110 lbs	
23	Pin	-200 lbs	370 lbs	0 lbs	0 lbs	-200 lbs	
25	Pin	280 lbs	580 lbs	0 lbs	0 lbs	280 lbs	
26	Pin	-390 lbs	650 lbs	0 lbs	0 lbs	-390 lbs	
28	NA	150 lbs	450 lbs	0 lbs	0 lbs	150 lbs	
44	Pin	-210 lbs	530 lbs	0 lbs	0 lbs	-210 lbs	
52	NA	740 lbs	760 lbs	0 lbs	0 lbs	740 lbs	

Type	Material	Bracing
Top Chd	550S150-54(50)	Sheathing
Bot Chd	550S150-54(50)	Purlin (96 in.)
Web	550S150-54(50)	Unbraced

Section	Material	Bracing
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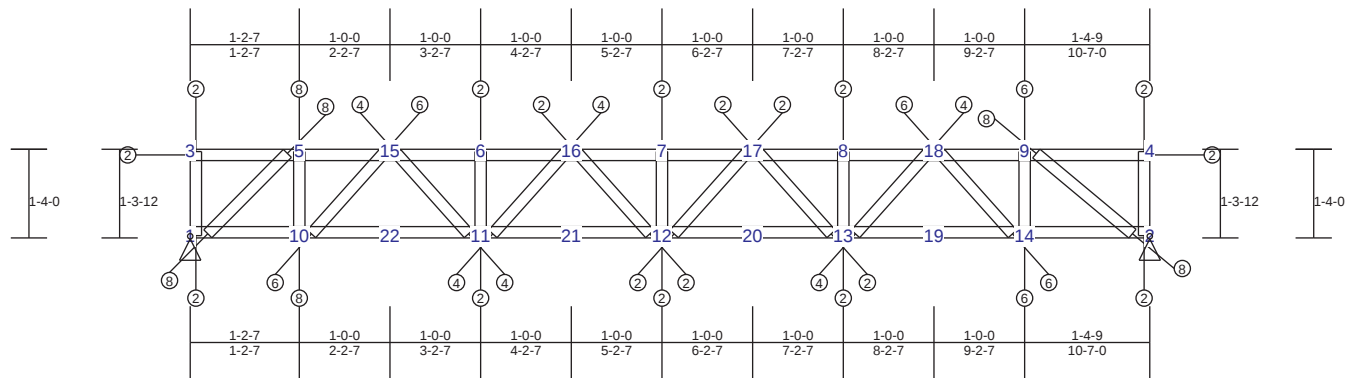
Max Height	Max Width
1-4-14	30-1-2

Member Forces Summary

Top Chord

4-42	0.12	111 lbs	0 lbs	16-18	0.09	303 lbs	0 lbs	39-40	0.05	182 lbs	0 lbs	24-25	0.04	-522 lbs	-522 lbs	4-50	0.01	200 lbs	0 lbs
7-42	0.09	111 lbs	0 lbs	18-20	0.07	331 lbs	0 lbs	26-39	0.06	11 lbs	0 lbs	26-27	0.01	-174 lbs	-174 lbs	7-9	0.01	325 lbs	0 lbs
7-10	0.09	111 lbs	-93 lbs	20-21	0.12	742 lbs	0 lbs	26-30	0.06	60 lbs	0 lbs	15-16	0.03	-399 lbs	-399 lbs	10-11	0.00	87 lbs	0 lbs
10-12	0.04	-147 lbs	-147 lbs	21-52	0.12	742 lbs	0 lbs	30-31	0.05	69 lbs	0 lbs	28-30	0.00	48 lbs	0 lbs	12-13	0.01	-182 lbs	-182 lbs
12-14	0.06	-147 lbs	-147 lbs	51-52	0.10	338 lbs	0 lbs	15-15	0.05	-133 lbs	-133 lbs	29-31	0.01	-176 lbs	-176 lbs	14-23	0.02	-342 lbs	-342 lbs
14-22	0.07	159 lbs	-33 lbs	Put Chord				15-17	0.03	225 lbs	-133 lbs	33-34	0.00	64 lbs	0 lbs	22-25	0.01	247 lbs	0 lbs
22-32	0.04	159 lbs	-4 lbs	1-4	0.07	165 lbs	-101 lbs	17-19	0.09	225 lbs	0 lbs	32-35	0.01	-153 lbs	-153 lbs	32-34	0.00	-37 lbs	-37 lbs
32-33	0.04	159 lbs	-4 lbs	49-50	0.07	240 lbs	0 lbs	6-19	0.09	-329 lbs	-320 lbs	36-39	0.01	197 lbs	0 lbs	25-33	0.02	-277 lbs	-277 lbs
24-33	0.12	204 lbs	0 lbs	48-50	0.09	240 lbs	0 lbs	6-53	0.08	-338 lbs	-338 lbs	37-40	0.00	-41 lbs	-41 lbs	24-41	0.02	490 lbs	0 lbs
24-38	0.12	204 lbs	-150 lbs	44-48	0.09	-212 lbs	-212 lbs	53-54	0.08	-338 lbs	-338 lbs	38-41	0.02	-308 lbs	-308 lbs	38-40	0.01	146 lbs	0 lbs
37-38	0.07	-256 lbs	-256 lbs	43-44	0.02	-212 lbs	-212 lbs	2-54	0.03	-66 lbs	-66 lbs	4-44	0.04	-518 lbs	-518 lbs	37-39	0.02	-237 lbs	-237 lbs
36-37	0.07	-256 lbs	-256 lbs	8-43	0.02	-154 lbs	-154 lbs	Web				42-43	0.00	4 lbs	0 lbs	26-36	0.04	-559 lbs	-559 lbs
27-36	0.09	318 lbs	-85 lbs	8-9	0.06	-154 lbs	-154 lbs	7-8	0.03	-378 lbs	-378 lbs	1-3	0.03	-360 lbs	-360 lbs	26-28	0.02	-304 lbs	-304 lbs
27-28	0.05	318 lbs	0 lbs	9-11	0.06	105 lbs	0 lbs	9-10	0.02	-229 lbs	-229 lbs	47-48	0.02	-334 lbs	-334 lbs	29-30	0.00	-13 lbs	-13 lbs
28-29	0.04	109 lbs	0 lbs	11-13	0.04	105 lbs	-9 lbs	11-12	0.00	-20 lbs	-20 lbs	46-50	0.01	-164 lbs	-164 lbs	16-31	0.01	294 lbs	0 lbs
16-29	0.09	303 lbs	0 lbs	13-23	0.04	-102 lbs	-102 lbs	13-14	0.01	160 lbs	0 lbs	45-49	0.02	-265 lbs	-265 lbs	15-18	0.01	-157 lbs	-157 lbs
5-51	0.06	66 lbs	0 lbs	23-35	0.04	-102 lbs	-102 lbs	17-18	0.01	-87 lbs	-87 lbs	52-53	0.01	330 lbs	0 lbs	17-20	0.01	195 lbs	0 lbs
3-45	0.05	-267 lbs	-347 lbs	34-35	0.04	61 lbs	0 lbs	19-20	0.02	-338 lbs	-338 lbs	51-54	0.01	127 lbs	0 lbs	19-21	0.06	553 lbs	0 lbs
45-46	0.05	-342 lbs	-262 lbs	25-34	0.03	-278 lbs	-278 lbs	6-21	0.08	-555 lbs	-555 lbs	3-49	0.02	399 lbs	0 lbs	6-52	0.04	-618 lbs	-618 lbs
46-47	0.07	-342 lbs	-342 lbs	25-41	0.08	-278 lbs	-278 lbs	2-5	0.00	13 lbs	0 lbs	45-50	0.00	113 lbs	0 lbs	51-53	0.03	-418 lbs	-418 lbs
0.07	-209 lbs	40-41	0.08	182 lbs	0 lbs	22-23	0.02	-330 lbs	-330 lbs	4-48	0.02	484 lbs	0 lbs	5-54	0.01	-102 lbs	-102 lbs		

TRUSS J10 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (3 - 5)	TL(V): 0 in.	L / 999		L / 240
BC : 1.00 (1 - 10)	LL(V): 0 in.	L / 999	(3-5)	L / 360
Web : 0.26 (9 - 2)	DL(V): 0 in.	L / 999	(3-5)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: 0 in.		0	
	Web :			
	Snow/Wind 0 in.	L / 999		L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

- Load Summary**
- 1) This Truss has been designed in accordance with LRFD 2016.
 - 2) This truss has been designed for the effects due to standard loading of TC Live 40.00 psf, TC Dead = 6.00 psf; BC Live = 5.00 psf; BC Dead = 6.00 psf; TC LiveRoof = 0.00 psf
 - 3) Wind Criteria: None
 - 4) Snow Criteria: None
 - 5) For Wall Truss when sheathed Ly = 12 inches is used
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin		3280 lbs	2150 lbs	0 lbs	0 lbs	3280 lbs
2	Pin		-3280 lbs	2150 lbs	0 lbs	0 lbs	-3280 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
1-4-0	10-7-0

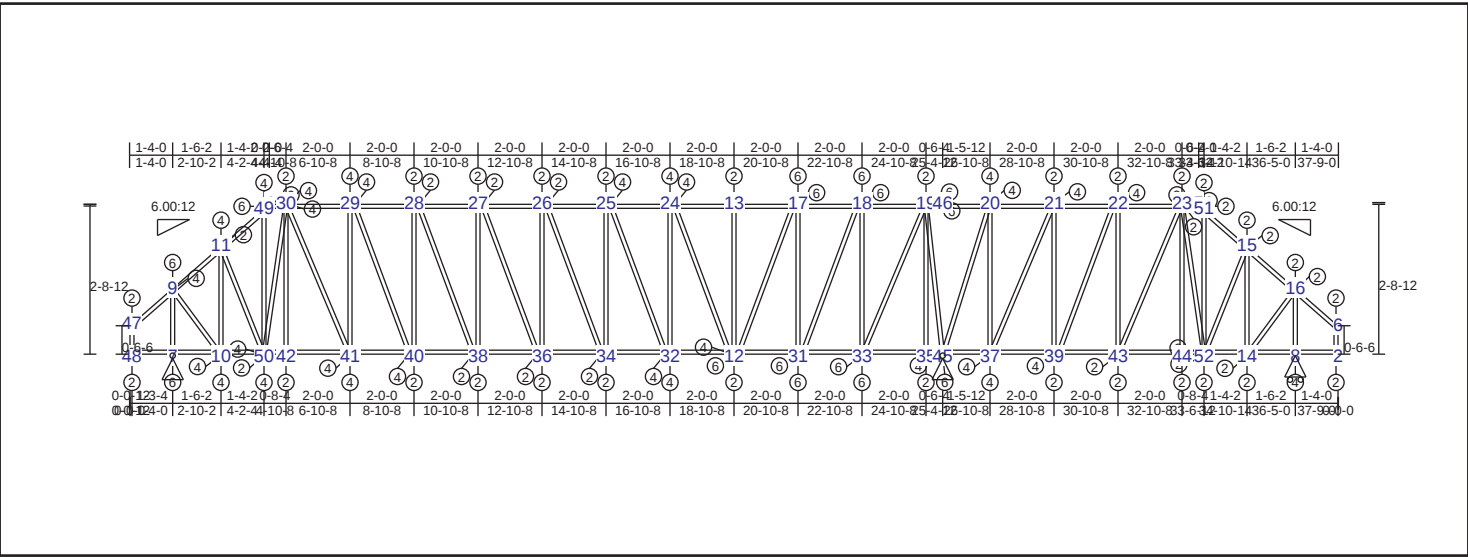
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web			
3-5	0.72	-1806 lbs	-1806 lbs	1-10	1.00	-3283 lbs	-3283 lbs	5-10	0.13	2463 lbs	0 lbs
5-15	0.72	-3070 lbs	-3070 lbs	10-11	0.61	-1476 lbs	-1476 lbs	6-11	0.03	-379 lbs	-379 lbs
6-15	0.47	-3911 lbs	-3911 lbs	11-12	0.34	1398 lbs	0 lbs	7-12	0.04	-487 lbs	-487 lbs
6-16	0.42	-4391 lbs	-4391 lbs	12-13	0.28	1398 lbs	0 lbs	8-13	0.03	-384 lbs	-384 lbs
7-16	0.49	-4681 lbs	-4681 lbs	13-14	0.58	-1228 lbs	-1228 lbs	9-14	0.12	2278 lbs	0 lbs
7-17	0.48	-4681 lbs	-4681 lbs	2-14	0.97	-3283 lbs	-3283 lbs	2-4	0.01	-80 lbs	-80 lbs
8-17	0.41	-4451 lbs	-4451 lbs					1-3	0.00	-20 lbs	-20 lbs
8-18	0.48	-4031 lbs	-4031 lbs					1-5	0.26	-3153 lbs	-3153 lbs
9-18	0.66	-3246 lbs	-3246 lbs					2-9	0.26	-3181 lbs	-3181 lbs
4-9	0.66	-2055 lbs	-2055 lbs					14-18	0.18	-2232 lbs	-2232 lbs
								13-18	0.08	1470 lbs	0 lbs
								13-17	0.06	-787 lbs	-787 lbs
								12-17	0.02	431 lbs	0 lbs
								12-16	0.03	543 lbs	0 lbs
								11-16	0.07	-900 lbs	-900 lbs
								11-15	0.08	1576 lbs	0 lbs
								10-15	0.19	-2367 lbs	-2367 lbs

TRUSS T1 (spacing 24 in)



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

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.53 (47 - 9)	TL(V): 0 in.	L / 999	(4-30)	L / 240
BC : 0.92 (35 - 45)	LL(V): 0 in.	L / 999	(4-30)	L / 360
Web : 0.21 (33 - 19)	DL(V): 0 in.	L / 999	(4-30)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: 0.01 in.		49	
	Web :			
	Snow/Wind 0 in.	L / 999	(4-30)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	Pin		1670 lbs	1840 lbs	0 lbs	-1570 lbs	1670 lbs
8	HRoll		0 lbs	-810 lbs	0 lbs	-810 lbs	0 lbs
20	NA		1860 lbs	-2270 lbs	0 lbs	-2150 lbs	1860 lbs
45	Pin		-3520 lbs	5560 lbs	0 lbs	-3270 lbs	-3520 lbs

Materials

Type	Material	Bracing
Top Chd	350S150-54(50)	Sheathing
Bot Chd	350S150-54(50)	Purlin (96 in.)
Web	350S150-54(50)	Unbraced

Truss Dimensions

Max Height	Max Width
2-9-9	37-9-0

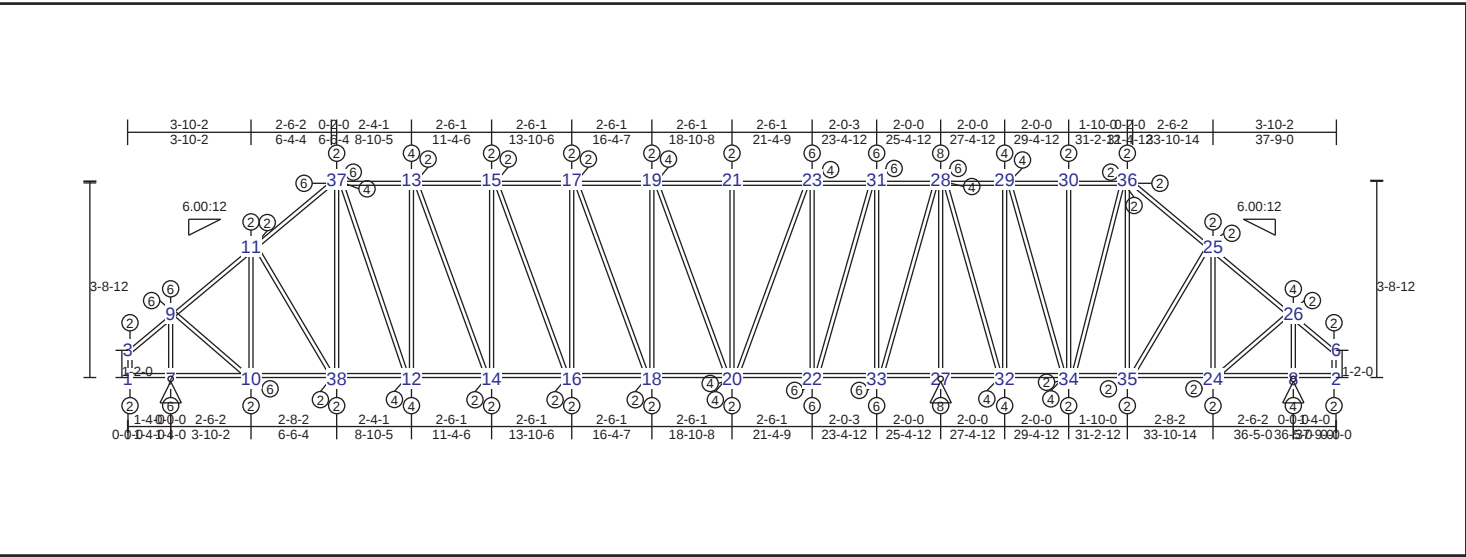
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
4-30	0.27	2041 lbs	-1835 lbs	1-48	0.01	0 lbs	0 lbs	7-9	0.14	2012 lbs	-1726 lbs	30-50	0.11	-1168 lbs	-1168 lbs
29-30	0.39	2652 lbs	-2589 lbs	7-48	0.27	-1666 lbs	-1666 lbs	10-11	0.08	960 lbs	-933 lbs	9-10	0.12	1458 lbs	-1418 lbs
28-29	0.39	-3053 lbs	-3053 lbs	7-10	0.27	-1666 lbs	-1666 lbs	12-13	0.02	-254 lbs	-254 lbs	30-41	0.11	1269 lbs	-1030 lbs
27-28	0.37	-3311 lbs	-3311 lbs	10-50	0.25	-512 lbs	-512 lbs	14-15	0.01	255 lbs	-168 lbs	19-45	0.17	-1811 lbs	-1811 lbs
26-27	0.35	-3330 lbs	-3330 lbs	42-50	0.10	-293 lbs	-293 lbs	8-16	0.14	903 lbs	-507 lbs	20-45	0.13	-1352 lbs	-1352 lbs
25-26	0.34	-3330 lbs	-3330 lbs	41-42	0.25	-905 lbs	-905 lbs	29-41	0.09	-995 lbs	-995 lbs	19-33	0.21	2362 lbs	-2024 lbs
24-25	0.39	-3119 lbs	-3119 lbs	40-41	0.25	1321 lbs	-1221 lbs	28-40	0.06	-662 lbs	-662 lbs	21-37	0.12	1179 lbs	-1171 lbs
13-24	0.36	-2669 lbs	-2669 lbs	38-40	0.20	1579 lbs	-1369 lbs	27-38	0.03	-305 lbs	-305 lbs	23-52	0.00	-52 lbs	-52 lbs
13-17	0.50	-1993 lbs	-1993 lbs	36-38	0.17	1598 lbs	-1369 lbs	26-36	0.01	-94 lbs	-94 lbs	15-52	0.02	309 lbs	-65 lbs
17-18	0.51	-1077 lbs	-1077 lbs	34-36	0.19	1598 lbs	-1323 lbs	25-34	0.03	395 lbs	-367 lbs	14-16	0.14	-307 lbs	-307 lbs
18-19	0.51	1790 lbs	-1473 lbs	32-34	0.25	1387 lbs	-1091 lbs	24-32	0.07	840 lbs	-735 lbs	23-43	0.04	426 lbs	-369 lbs
19-20	0.51	1790 lbs	-1473 lbs	12-32	0.42	937 lbs	-663 lbs	17-31	0.16	-1755 lbs	-1755 lbs	12-17	0.15	1678 lbs	-1476 lbs
20-21	0.28	1142 lbs	-851 lbs	12-31	0.53	754 lbs	-656 lbs	18-33	0.18	-1890 lbs	-1890 lbs	12-24	0.13	-1237 lbs	-1237 lbs
21-22	0.25	447 lbs	-211 lbs	31-33	0.53	-1771 lbs	-1771 lbs	19-35	0.03	-295 lbs	-295 lbs	18-31	0.18	2041 lbs	-1770 lbs
22-23	0.16	588 lbs	-224 lbs	33-35	0.48	-3174 lbs	-3174 lbs	20-37	0.08	958 lbs	-905 lbs	25-32	0.08	-825 lbs	-825 lbs
5-23	0.08	588 lbs	-224 lbs	35-45	0.92	-3174 lbs	-3174 lbs	21-39	0.07	-736 lbs	-736 lbs	26-34	0.04	425 lbs	-386 lbs
5-51	0.13	511 lbs	-194 lbs	37-45	0.92	1378 lbs	-1208 lbs	22-43	0.04	389 lbs	-378 lbs	27-36	0.01	104 lbs	-26 lbs
15-51	0.18	620 lbs	-261 lbs	37-39	0.24	1378 lbs	-1208 lbs	23-44	0.00	61 lbs	-6 lbs	28-38	0.03	473 lbs	-277 lbs
15-16	0.17	620 lbs	-261 lbs	39-43	0.22	679 lbs	-515 lbs	2-6	0.00	46 lbs	-23 lbs	29-40	0.06	851 lbs	-579 lbs
6-16	0.30	1014 lbs	-483 lbs	43-44	0.10	206 lbs	-122 lbs	47-48	0.00	50 lbs	-27 lbs	22-39	0.08	866 lbs	-780 lbs
3-47	0.01	61 lbs	-10 lbs	44-52	0.08	143 lbs	-59 lbs	30-42	0.00	63 lbs	-10 lbs				
9-47	0.53	1539 lbs	-1360 lbs	14-52	0.08	-236 lbs	-236 lbs	49-50	0.08	-888 lbs	-888 lbs				
9-11	0.22	2001 lbs	-1798 lbs	8-14	0.14	-236 lbs	-236 lbs	51-52	0.02	-245 lbs	-245 lbs				
11-49	0.49	2001 lbs	-1798 lbs	2-8	0.14	-24 lbs	-24 lbs	11-50	0.03	556 lbs	-298 lbs				
4-49	0.38	1604 lbs	-1396 lbs												

TRUSS T2 (spacing 24 in)



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

Max CSI Summary	Deflection	L /	(Loc)	Max. Allowed
TC :	TL(V): 0.02 in.	L / 999	(37-13)	L / 240
BC :	LL(V): 0.01 in.	L / 999	(37-13)	L / 360
Web :	DL(V): 0.01 in.	L / 999	(37-13)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: 0.01 in.		11	
	Web :			
	Snow/Wind -0.02 in.	L / 999	(37-13)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	Pin			1920 lbs	0 lbs	-1630 lbs	1430 lbs
8	Pin		-250 lbs	-920 lbs	0 lbs	-920 lbs	-250 lbs
27	Pin		-1510 lbs	3060 lbs	0 lbs	-1930 lbs	-1510 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
3'-8-13	37'-9-0

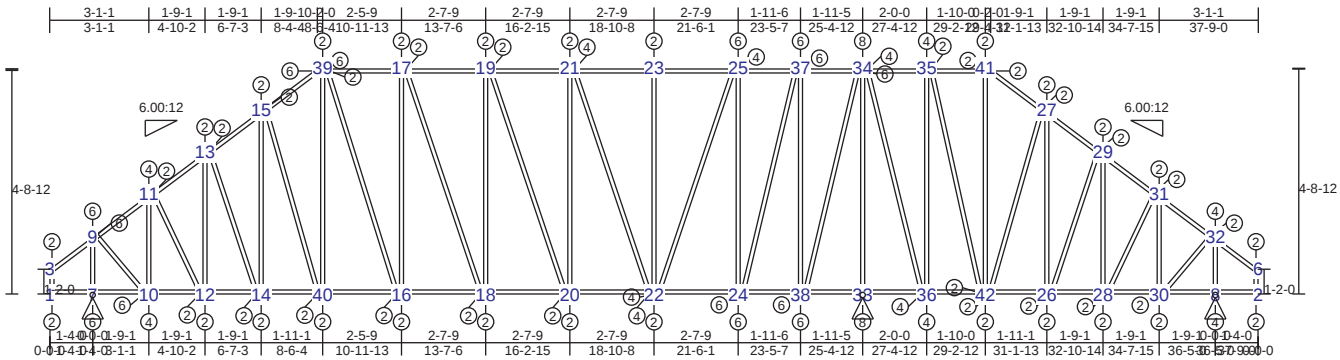
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
4-37	0.43	2111 lbs	-1880 lbs	1-7	0.19	-1426 lbs	-1426 lbs	10-11	0.07	774 lbs	-741 lbs	24-26	0.03	407 lbs	-325 lbs
13-37	0.80	2543 lbs	-2410 lbs	7-10	0.34	-1426 lbs	-1426 lbs	12-13	0.10	-902 lbs	-902 lbs	22-31	0.22	2004 lbs	-1760 lbs
13-15	0.48	2679 lbs	-2662 lbs	10-38	0.29	-419 lbs	-419 lbs	14-15	0.03	-287 lbs	-287 lbs	28-33	0.23	2189 lbs	-1890 lbs
15-17	0.31	2679 lbs	-2662 lbs	12-38	0.32	888 lbs	-851 lbs	16-17	0.01	-120 lbs	-120 lbs	28-32	0.14	-1158 lbs	-1158 lbs
17-19	0.37	-2655 lbs	-2655 lbs	12-14	0.32	1140 lbs	-987 lbs	18-19	0.06	602 lbs	-547 lbs	29-34	0.12	-975 lbs	-975 lbs
19-21	0.36	-2382 lbs	-2382 lbs	14-16	0.14	1140 lbs	-987 lbs	20-21	0.04	-318 lbs	-318 lbs	34-36	0.06	530 lbs	-477 lbs
21-23	0.53	-1846 lbs	-1846 lbs	16-18	0.23	1133 lbs	-914 lbs	22-23	0.19	-1703 lbs	-1703 lbs	25-35	0.03	458 lbs	-259 lbs
23-31	0.54	1101 lbs	-1050 lbs	18-20	0.48	859 lbs	-625 lbs	24-25	0.01	215 lbs	-126 lbs	11-38	0.02	276 lbs	-194 lbs
28-31	0.68	743 lbs	-460 lbs	20-22	0.59	591 lbs	-472 lbs	27-28	0.35	-3108 lbs	-3108 lbs	12-37	0.11	1079 lbs	-880 lbs
28-29	0.68	743 lbs	-460 lbs	22-33	0.62	1347 lbs	-1333 lbs	31-33	0.23	-2016 lbs	-2016 lbs				
29-30	0.34	448 lbs	-130 lbs	27-33	0.62	-2265 lbs	-2265 lbs	29-32	0.11	1114 lbs	-999 lbs				
30-36	0.13	655 lbs	-305 lbs	27-32	0.32	-2265 lbs	-2265 lbs	30-34	0.03	373 lbs	-265 lbs				
5-36	0.09	655 lbs	-305 lbs	32-34	0.32	401 lbs	-281 lbs	7-9	0.15	2134 lbs	-1921 lbs				
5-25	0.28	780 lbs	-447 lbs	34-35	0.20	278 lbs	-221 lbs	8-26	0.06	1017 lbs	-699 lbs				
25-26	0.21	780 lbs	-493 lbs	24-35	0.20	-542 lbs	-542 lbs	2-6	0.00	89 lbs	-12 lbs				
6-26	0.25	493 lbs	-259 lbs	8-24	0.28	-542 lbs	-542 lbs	1-3	0.00	71 lbs	0 lbs				
3-9	0.76	975 lbs	-787 lbs	2-8	0.28	-254 lbs	-254 lbs	35-36	0.05	-423 lbs	-423 lbs				
9-11	0.64	2257 lbs	-2064 lbs					37-38	0.01	134 lbs	-120 lbs				
4-11	0.39	2262 lbs	-2143 lbs					9-10	0.15	1790 lbs	-1588 lbs				
								13-14	0.04	483 lbs	-309 lbs				
								15-16	0.01	140 lbs	-29 lbs				
								17-18	0.07	556 lbs	-525 lbs				
								19-20	0.14	-1028 lbs	-1028 lbs				
								20-23	0.18	1527 lbs	-1368 lbs				

TRUSS T3 (spacing 24 in)



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

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.72 (39 - 17)	TL(V): 0.03 in.	L / 999	(39-17)	L / 240
BC : 0.62 (22 - 24)	LL(V): 0.01 in.	L / 999	(39-17)	L / 360
Web : 0.42 (33 - 34)	DL(V): 0.01 in.	L / 999	(39-17)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: 0.01 in.		15	
	Web :			
	Snow/Wind -0.02 in.	L / 999	(39-17)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	Pin			2000 lbs	0 lbs	-1580 lbs	1410 lbs
8	Pin		-220 lbs	950 lbs	0 lbs	-910 lbs	-220 lbs
33	Pin		-1220 lbs	2830 lbs	0 lbs	-1820 lbs	-1220 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
4'-8-13	37'-9-0

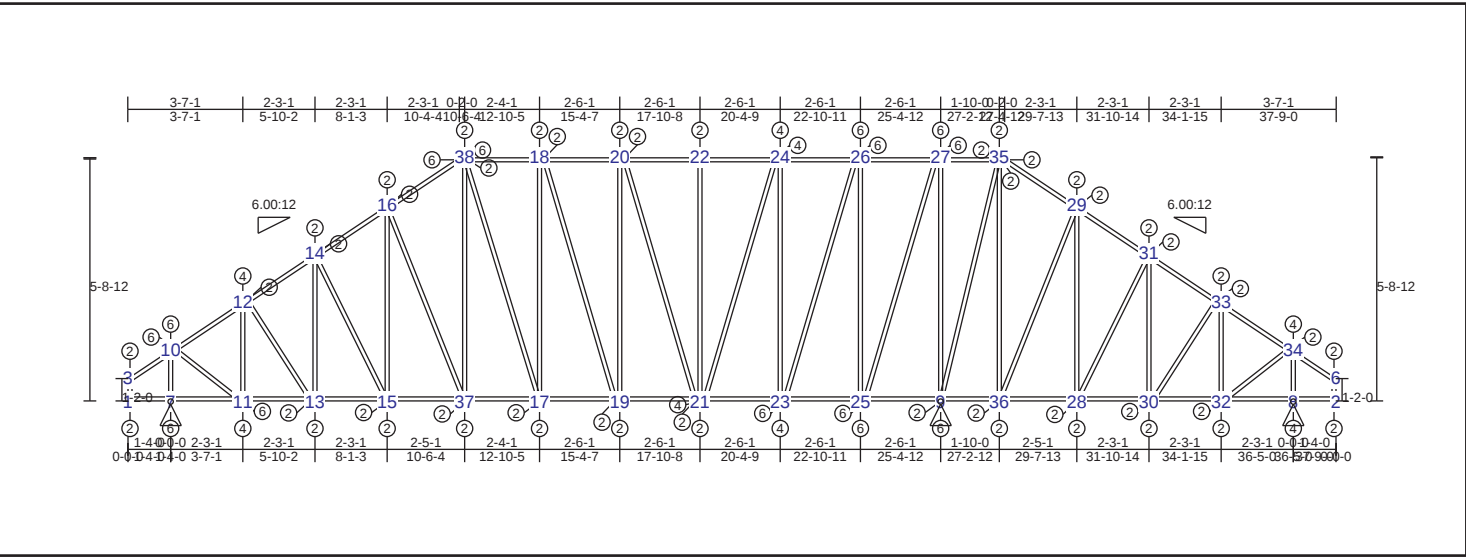
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web	Web
4-39 0.46 2147 lbs -1952 lbs	1-7 0.21 -1408 lbs -1408 lbs	10-11 0.09 -1104 lbs -1104 lbs	19-20 0.06 428 lbs -371 lbs
17-39 0.72 2397 lbs -2261 lbs	7-10 0.33 -1408 lbs -1408 lbs	12-13 0.04 -457 lbs -457 lbs	21-22 0.15 -872 lbs -872 lbs
17-19 0.44 2397 lbs -2320 lbs	10-12 0.33 -516 lbs -516 lbs	14-15 0.01 -99 lbs -99 lbs	22-25 0.22 1374 lbs -1241 lbs
19-21 0.32 2386 lbs -2320 lbs	12-14 0.12 -535 lbs -535 lbs	16-17 0.09 -606 lbs -606 lbs	26-29 0.03 337 lbs -271 lbs
21-23 0.35 2193 lbs -2153 lbs	14-40 0.10 -535 lbs -535 lbs	18-19 0.01 129 lbs -61 lbs	28-31 0.01 98 lbs -38 lbs
23-25 0.52 1816 lbs -1760 lbs	16-40 0.24 726 lbs -652 lbs	20-21 0.06 473 lbs -438 lbs	30-32 0.03 593 lbs -346 lbs
25-37 0.52 1257 lbs -1140 lbs	16-18 0.24 785 lbs -652 lbs	22-23 0.05 -334 lbs -334 lbs	34-36 0.15 -953 lbs -953 lbs
34-37 0.65 701 lbs -513 lbs	18-20 0.21 785 lbs -640 lbs	24-25 0.24 -1635 lbs -1635 lbs	24-37 0.26 1868 lbs -1650 lbs
34-35 0.65 444 lbs -171 lbs	20-22 0.47 618 lbs -448 lbs	26-27 0.04 -350 lbs -350 lbs	34-38 0.28 2022 lbs -1750 lbs
35-41 0.32 649 lbs -358 lbs	22-24 0.62 489 lbs -395 lbs	28-29 0.00 42 lbs -25 lbs	27-42 0.06 656 lbs -505 lbs
5-41 0.10 649 lbs -358 lbs	24-38 0.60 1044 lbs -1023 lbs	30-31 0.03 -356 lbs -356 lbs	35-42 0.10 -649 lbs -649 lbs
5-27 0.18 667 lbs -408 lbs	33-38 0.60 -1702 lbs -1702 lbs	8-32 0.07 1007 lbs -868 lbs	16-39 0.10 727 lbs -589 lbs
27-29 0.13 784 lbs -605 lbs	33-36 0.28 -1702 lbs -1702 lbs	7-9 0.16 2065 lbs -2012 lbs	15-40 0.02 339 lbs -190 lbs
29-31 0.14 794 lbs -679 lbs	36-42 0.28 271 lbs -193 lbs	33-34 0.42 -2855 lbs -2855 lbs	
31-32 0.22 790 lbs -672 lbs	26-42 0.20 220 lbs -192 lbs	35-36 0.12 973 lbs -828 lbs	
6-32 0.26 496 lbs -336 lbs	26-28 0.11 -342 lbs -342 lbs	37-38 0.29 -1955 lbs -1955 lbs	
3-9 0.69 954 lbs -832 lbs	28-30 0.12 -342 lbs -342 lbs	1-3 0.00 89 lbs -1 lbs	
9-11 0.58 2033 lbs -2015 lbs	8-30 0.31 -326 lbs -326 lbs	2-6 0.01 105 lbs -15 lbs	
11-13 0.30 2308 lbs -2253 lbs	2-8 0.31 -219 lbs -219 lbs	41-42 0.01 -56 lbs -56 lbs	
13-15 0.26 2313 lbs -2253 lbs		39-40 0.04 -297 lbs -297 lbs	
4-15 0.25 2334 lbs -2209 lbs		9-10 0.12 1800 lbs -1462 lbs	
		11-12 0.05 703 lbs -594 lbs	
		13-14 0.01 181 lbs -102 lbs	
		17-18 0.02 -132 lbs -132 lbs	

TRUSS T4 (spacing 24 in)



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

Max CSI Summary	Deflection	L / (Loc)	Max. Allowed
TC : 0.72 (3 - 10)	TL(V): 0.01 in.	L / 999 (4-38)	L / 240
BC : 0.57 (23 - 25)	LL(V): 0 in.	L / 999 (4-38)	L / 360
Web : 0.43 (9 - 27)	DL(V): 0.01 in.	L / 999 (16-4)	L / 0
	Cant / OH TL: 0 in.	2L / 999 0	2L / 240
	Cant / OH LL: 0 in.	2L / 999 0	2L / 240
	Horiz TL: 0.01 in.	16	
	Web :		
	Snow/Wind -0.02 in.	L / 999 (38-18)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999 0	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	Pin		1190 lbs	2010 lbs	0 lbs	-1550 lbs	1190 lbs
9	Pin		-930 lbs	2840 lbs	0 lbs	-1910 lbs	-930 lbs
34	NA		-270 lbs	950 lbs	0 lbs	-840 lbs	-270 lbs
35	NA		-930 lbs	2840 lbs	0 lbs	-1910 lbs	-930 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

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

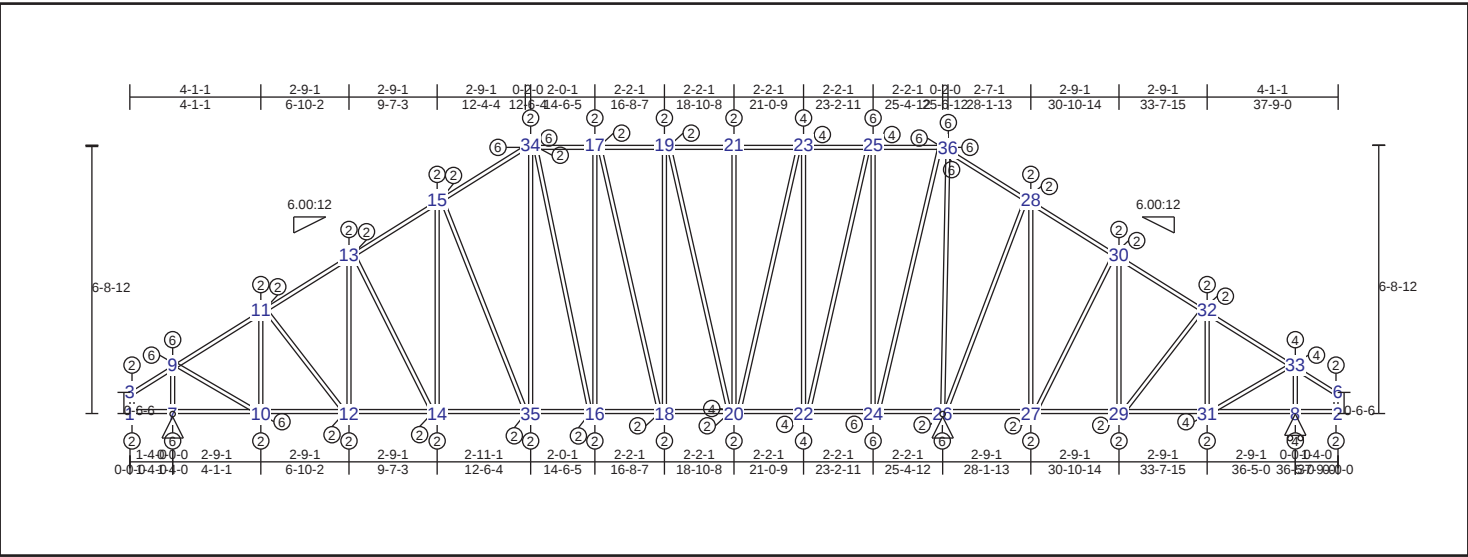
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
4-38	0.42	2059 lbs	-1827 lbs	1-7	0.18	-1190 lbs	-1190 lbs	11-12	0.08	-883 lbs	-883 lbs	14-15	0.01	153 lbs	-91 lbs
18-38	0.50	2148 lbs	-1947 lbs	7-11	0.27	-1190 lbs	-1190 lbs	13-14	0.03	-236 lbs	-236 lbs	10-11	0.13	1856 lbs	-1480 lbs
18-20	0.35	2148 lbs	-1947 lbs	11-13	0.26	-743 lbs	-743 lbs	15-16	0.02	149 lbs	-128 lbs	12-13	0.03	455 lbs	-332 lbs
20-22	0.28	2019 lbs	-1862 lbs	13-15	0.09	-743 lbs	-743 lbs	17-18	0.05	251 lbs	-231 lbs	18-19	0.05	352 lbs	-232 lbs
22-24	0.47	1763 lbs	-1617 lbs	15-37	0.12	675 lbs	-674 lbs	19-20	0.08	-396 lbs	-396 lbs	20-21	0.16	700 lbs	-669 lbs
24-26	0.55	1370 lbs	-1204 lbs	17-37	0.12	601 lbs	-506 lbs	21-22	0.07	324 lbs	-323 lbs	21-24	0.25	1130 lbs	-1074 lbs
26-27	0.64	828 lbs	-611 lbs	17-19	0.16	601 lbs	-506 lbs	23-24	0.29	-1420 lbs	-1420 lbs	23-26	0.34	1625 lbs	-1480 lbs
27-35	0.64	426 lbs	-168 lbs	19-21	0.39	516 lbs	-377 lbs	25-26	0.38	-1845 lbs	-1845 lbs	25-27	0.41	1991 lbs	-1771 lbs
5-35	0.03	426 lbs	-168 lbs	21-23	0.45	272 lbs	-177 lbs	9-27	0.43	-2107 lbs	-2107 lbs	30-33	0.01	163 lbs	-93 lbs
5-29	0.25	387 lbs	-189 lbs	23-25	0.57	814 lbs	-737 lbs	28-29	0.05	386 lbs	-351 lbs	32-34	0.03	599 lbs	-278 lbs
29-31	0.17	565 lbs	-462 lbs	9-25	0.57	-1466 lbs	-1466 lbs	30-31	0.02	-155 lbs	-155 lbs				
31-33	0.15	725 lbs	-680 lbs	9-36	0.17	-1466 lbs	-1466 lbs	32-33	0.02	-254 lbs	-254 lbs				
33-34	0.23	725 lbs	-680 lbs	28-36	0.17	444 lbs	-323 lbs	8-34	0.07	973 lbs	-875 lbs				
6-34	0.28	476 lbs	-336 lbs	28-30	0.09	216 lbs	-158 lbs	7-10	0.16	2057 lbs	-2009 lbs				
3-10	0.72	945 lbs	-827 lbs	30-32	0.13	-265 lbs	-265 lbs	2-6	0.00	96 lbs	-12 lbs				
10-12	0.61	-2138 lbs	-2138 lbs	8-32	0.28	-269 lbs	-269 lbs	1-3	0.00	79 lbs	0 lbs				
12-14	0.35	2273 lbs	-2249 lbs	2-8	0.28	-269 lbs	-269 lbs	35-36	0.14	-683 lbs	-683 lbs				
14-16	0.29	2273 lbs	-2249 lbs					37-38	0.10	-481 lbs	-481 lbs				
4-16	0.35	2211 lbs	-2085 lbs					9-35	0.17	789 lbs	-768 lbs				
								29-36	0.11	772 lbs	-649 lbs				
								28-31	0.05	430 lbs	-383 lbs				
								17-38	0.06	315 lbs	-264 lbs				
								16-37	0.07	545 lbs	-420 lbs				

TRUSS T5 (spacing 24 in)



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

Max CSI Summary	Deflection	L / (Loc)	Max. Allowed
TC : 0.64 (36 - 28)	TL(V): 0.03 in.	L / 999 (36-28)	L / 240
BC : 0.58 (22 - 24)	LL(V): -0.01 in.	L / 999 (36-28)	L / 360
Web : 0.52 (24 - 5)	DL(V): -0.02 in.	L / 999 (36-28)	L / 0
	Cant / OH TL: 0 in.	2L / 999	2L / 240
	Cant / OH LL: 0 in.	2L / 999	2L / 240
	Horiz TL: 0.01 in.	15	
	Web :		
	Snow/Wind -0.02 in.	L / 999 (15-4)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	L / 360

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	Pin			1360 lbs	2150 lbs	0 lbs	1360 lbs
8	HRoll			0 lbs	1260 lbs	0 lbs	0 lbs
26	Pin			-1360 lbs	2400 lbs	0 lbs	-1360 lbs

Materials

Type	Material	Bracing	Material Exceptions	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
6-8-13	37-9-0

Material Design Pass

Member Forces Summary

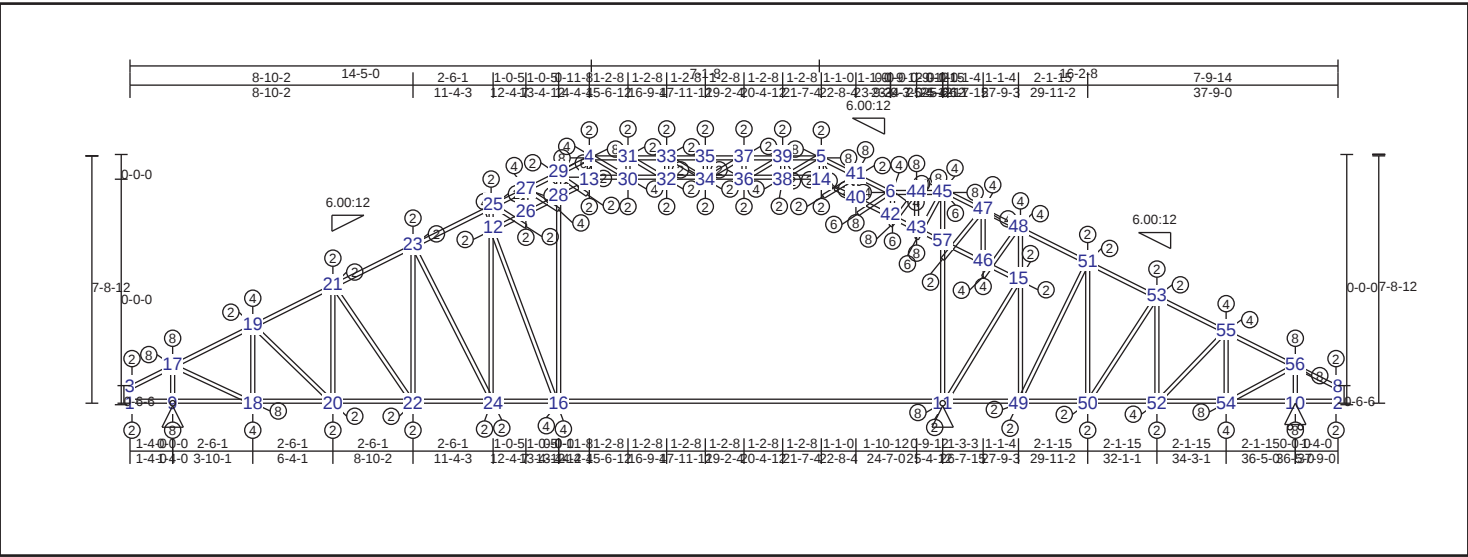
Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force

Top Chord	Bot Chord	Web	Web
4-34 0.44 2125 lbs -1896 lbs	1-7 0.21 -1360 lbs -1360 lbs	7-9 0.17 -2163 lbs -2163 lbs	27-30 0.08 565 lbs -533 lbs
17-34 0.49 2143 lbs -1930 lbs	7-10 0.38 -1360 lbs -1360 lbs	10-11 0.07 -795 lbs -795 lbs	29-32 0.01 184 lbs -107 lbs
17-19 0.32 2143 lbs -1930 lbs	10-12 0.27 759 lbs -754 lbs	12-13 0.01 -114 lbs -114 lbs	31-33 0.06 982 lbs -606 lbs
19-21 0.26 2027 lbs -1843 lbs	12-14 0.14 759 lbs -754 lbs	14-15 0.05 328 lbs -254 lbs	16-34 0.06 -189 lbs -189 lbs
21-23 0.44 1821 lbs -1648 lbs	14-35 0.23 629 lbs -606 lbs	16-17 0.03 206 lbs -122 lbs	15-35 0.14 737 lbs -632 lbs
23-25 0.56 1532 lbs -1349 lbs	16-35 0.21 383 lbs -297 lbs	18-19 0.14 -507 lbs -507 lbs	5-24 0.52 1805 lbs -1753 lbs
5-25 0.56 1141 lbs -927 lbs	16-18 0.18 383 lbs -297 lbs	20-21 0.08 -281 lbs -281 lbs	26-28 0.15 765 lbs -657 lbs
3-9 0.64 903 lbs -889 lbs	18-20 0.31 297 lbs -181 lbs	22-23 0.38 -1387 lbs -1387 lbs	
9-11 0.53 -2428 lbs -2428 lbs	20-22 0.39 314 lbs -218 lbs	24-25 0.50 1795 lbs -1794 lbs	
11-13 0.42 -2518 lbs -2518 lbs	22-24 0.58 704 lbs -619 lbs	27-28 0.08 524 lbs -472 lbs	
13-15 0.34 -2457 lbs -2457 lbs	24-26 0.58 1197 lbs -1126 lbs	29-30 0.02 191 lbs -168 lbs	
4-15 0.41 2274 lbs -2177 lbs	26-27 0.32 1197 lbs -1126 lbs	31-32 0.03 -338 lbs -338 lbs	
5-36 0.56 1354 lbs -1157 lbs	27-29 0.19 841 lbs -422 lbs	8-33 0.10 -1208 lbs -1208 lbs	
28-36 0.64 1354 lbs -1157 lbs	29-31 0.16 890 lbs -550 lbs	1-3 0.00 46 lbs -15 lbs	
28-30 0.30 -905 lbs -905 lbs	8-31 0.16 890 lbs -550 lbs	2-6 0.00 31 lbs -2 lbs	
30-32 0.26 -1120 lbs -1120 lbs	2-8 0.06 0 lbs 0 lbs	34-35 0.19 -673 lbs -673 lbs	
32-33 0.38 -1120 lbs -1120 lbs		26-36 0.48 -1773 lbs -1773 lbs	
6-33 0.35 490 lbs -477 lbs		9-10 0.16 2093 lbs -1718 lbs	
		11-12 0.02 318 lbs -205 lbs	
		13-14 0.04 279 lbs -270 lbs	
		17-18 0.09 425 lbs -317 lbs	
		19-20 0.21 755 lbs -716 lbs	
		20-23 0.32 1098 lbs -1061 lbs	
		22-25 0.43 1545 lbs -1433 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 = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7) Gusset plate to be installed at hip, valley and ridge of the truss.

TRUSS T6 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (41 - 6)	TL(V): 1.68 in.	L / 269	(5-41)	L / 240
BC : 0.88 (16 - 11)	LL(V): 0.76 in.	L / 593	(16-11)	L / 360
Web : 0.65 (40 - 42)	DL(V): 0.92 in.	L / 492	(16-11)	L / 0
	Cant / OH TL: -0.01 in.	2L / 280	3	2L / 240
	Cant / OH LL: -0.01 in.	2L / 280	3	2L / 240
	Horiz TL: 0.12 in.		29	
	Web :			
	Snow/Wind -0.02 in.	L / 999	(41-6)	L / 360
	Cant (Snow/Wind) 0.01 in.	L / 999	3	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 0.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table					
P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift
9	Pin			2800 lbs	0 lbs
10	HRoll			2690 lbs	0 lbs
11	Pin	160 lbs	4640 lbs	0 lbs	0 lbs

Materials			Material Exceptions		
Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions	
Max Height	Max Width
7'-9-13	37'-9-0

Material Design **Pass**

Member Forces Summary

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

Top Chord			Bot Chord			Web			Web			Web								
6-44	0.83	-4982 lbs	-4982 lbs	1-9	0.33	-2441 lbs	-2441 lbs	52-55	0.05	825 lbs	-454 lbs	12-25	0.08	805 lbs	-756 lbs	34-37	0.01	-145 lbs	-145 lbs	
44-45	0.84	-3697 lbs	-3697 lbs	9-18	0.45	-2441 lbs	-2441 lbs	54-56	0.14	2522 lbs	-1616 lbs	12-16	0.18	974 lbs	-825 lbs	26-27	0.04	-577 lbs	-577 lbs	
7-45	0.72	-2917 lbs	-2917 lbs	18-20	0.32	574 lbs	-572 lbs	17-18	0.22	2748 lbs	-2379 lbs	12-26	0.29	-1030 lbs	-1030 lbs	16-28	0.44	2016 lbs	-1847 lbs	
7-47	0.31	-3271 lbs	-3271 lbs	20-22	0.15	603 lbs	-572 lbs	19-20	0.07	729 lbs	-608 lbs	26-28	0.47	-1030 lbs	-1030 lbs	28-29	0.19	2016 lbs	-1847 lbs	
47-48	0.29	-3355 lbs	-3355 lbs	22-24	0.18	603 lbs	-565 lbs	21-22	0.01	108 lbs	-40 lbs	13-28	0.15	-102 lbs	-102 lbs	102 lbs	27-28	0.06	834 lbs	-789 lbs
48-51	0.33	-3361 lbs	-3361 lbs	16-24	0.82	446 lbs	-411 lbs	23-24	0.07	-360 lbs	-360 lbs	40-41	0.13	2501 lbs	-1591 lbs	25-26	0.06	742 lbs	-732 lbs	
51-53	0.35	-3401 lbs	-3401 lbs	11-16	0.88	157 lbs	-70 lbs	5-14	0.00	-13 lbs	-13 lbs	6-42	0.42	2243 lbs	-1455 lbs					
53-55	0.35	-3401 lbs	-3401 lbs	11-49	0.88	2817 lbs	-1571 lbs	14-41	0.05	-705 lbs	-705 lbs	43-44	0.17	2515 lbs	-2193 lbs					
55-56	0.57	-3256 lbs	-3256 lbs	49-50	0.21	2898 lbs	-1716 lbs	15-49	0.26	-937 lbs	-937 lbs	46-47	0.11	-1362 lbs	-1362 lbs					
8-56	0.60	-2569 lbs	-2569 lbs	50-52	0.19	2898 lbs	-1738 lbs	15-48	0.24	-937 lbs	-937 lbs	6-40	0.63	-2268 lbs	-2268 lbs					
4-31	0.41	4074 lbs	-3530 lbs	52-54	0.33	2803 lbs	-1738 lbs	11-15	0.21	-657 lbs	-657 lbs	42-44	0.20	-2581 lbs	-2581 lbs					
31-33	0.35	4615 lbs	-3957 lbs	10-54	0.33	2230 lbs	-1429 lbs	14-40	0.53	375 lbs	-239 lbs	43-45	0.14	-1715 lbs	-1715 lbs					
33-35	0.38	4740 lbs	-4070 lbs	2-10	0.12	0 lbs	0 lbs	40-42	0.65	2401 lbs	-1534 lbs	46-48	0.06	1103 lbs	-67 lbs					
35-37	0.38	4740 lbs	-4070 lbs					42-43	0.65	2401 lbs	-1534 lbs	11-57	0.30	2780 lbs	-265 lbs					
37-39	0.35	4615 lbs	-3957 lbs	1-3	0.00	32 lbs	-7 lbs	43-57	0.58	2162 lbs	-820 lbs	45-57	0.18	1416 lbs	-170 lbs					
5-39	0.41	4074 lbs	-3530 lbs	9-17	0.22	-2742 lbs	-2742 lbs	46-57	0.37	2162 lbs	-166 lbs	47-57	0.21	1392 lbs	-116 lbs					
3-17	0.66	-2877 lbs	-2877 lbs	18-19	0.10	-1111 lbs	-1111 lbs	15-46	0.43	1188 lbs	-146 lbs	30-31	0.04	624 lbs	-467 lbs					
17-19	0.60	-3509 lbs	-3509 lbs	20-21	0.04	-394 lbs	-394 lbs	4-13	0.00	-13 lbs	-13 lbs	32-33	0.02	286 lbs	-225 lbs					
19-21	0.40	-3585 lbs	-3585 lbs	22-23	0.00	80 lbs	-27 lbs	13-29	0.02	210 lbs	-208 lbs	34-35	0.01	145 lbs	-135 lbs					
21-23	0.41	-3585 lbs	-3585 lbs	50-51	0.02	-150 lbs	-150 lbs	13-30	0.17	-964 lbs	-964 lbs	36-37	0.02	286 lbs	-225 lbs					
23-25	0.37	4199 lbs	-4034 lbs	52-53	0.05	-484 lbs	-484 lbs	30-32	0.17	-1504 lbs	-1504 lbs	38-39	0.04	624 lbs	-467 lbs					
25-27	0.65	4450 lbs	-4249 lbs	54-55	0.10	-1174 lbs	-1174 lbs	32-34	0.19	-1629 lbs	-1629 lbs	4-30	0.09	-1122 lbs	-1122 lbs					
27-29	0.65	4450 lbs	-4249 lbs	10-56	0.21	-2627 lbs	-2627 lbs	34-36	0.19	-1629 lbs	-1629 lbs	31-32	0.05	-629 lbs	-629 lbs					
4-29	0.33	3049 lbs	-2756 lbs	2-8	0.00	44 lbs	-11 lbs	36-38	0.17	-1504 lbs	-1504 lbs	33-34	0.01	-145 lbs	-145 lbs					
5-41	0.33	3049 lbs	-2761 lbs	49-51	0.16	350 lbs	-204 lbs	14-38	0.17	-964 lbs	-964 lbs	36-39	0.05	-629 lbs	-629 lbs					
6-41	0.87	-4301 lbs	-4301 lbs	50-53	0.02	254 lbs	-153 lbs	12-24	0.13	805 lbs	-756 lbs	5-38	0.09	-1122 lbs	-1122 lbs					

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.92 (41 - 6)	TL(V): 1.7 in.	L / 266	(5-32)	L / 240
BC : 0.92 (49 - 11)	LL(V): 0.77 in.	L / 588	(49-11)	L / 360
Web : 0.96 (61 - 62)	DL(V): 0.93 in.	L / 485	(49-11)	L / 0
	Cant / OH TL: -0.02 in.	2L / 266	3	2L / 240
	Cant / OH LL: -0.02 in.	2L / 266	3	2L / 240
	Horiz TL: 0.35 in.		29	
Web :				
	Snow/Wind 0.05 in.	L / 999	(5-32)	L / 360
	Cant (Snow/Wind) 0.03 in.	L / 999	3	L / 360

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
9	Pin		2300 lbs	2790 lbs	0 lbs	-2130 lbs	2300 lbs
10	HRoll		0 lbs	2670 lbs	0 lbs	-1910 lbs	0 lbs
11	Pin		120 lbs	4890 lbs	0 lbs	0 lbs	120 lbs

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Max Height	Max Width
8-9-12	37-9-0

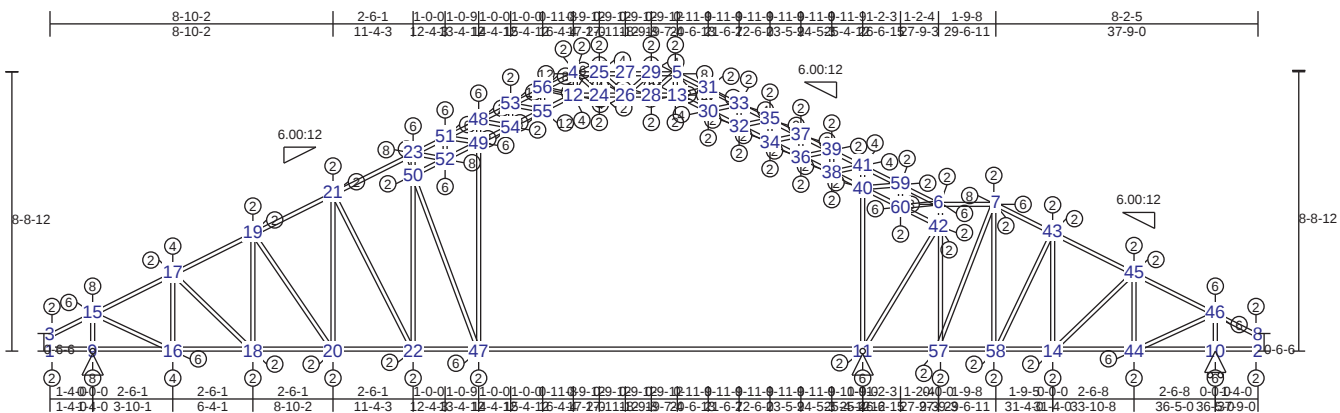
Member Forces Summary

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

40

- 1) This Truss has been designed in accordance with LRFD 2016.
- 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
- 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7) Gusset plate to be installed at hip, valley and ridge of the truss.

TRUSS T8 (spacing 24 in)



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

Max CSI Summary	Deflection	L / (Loc)	Max. Allowed
TC : 0.96 (53 - 56)	TL(V): 1.68 in.	L / 268 (25-29)	L / 240
BC : 0.92 (47 - 11)	LL(V): 0.76 in.	L / 595 (47-11)	L / 360
Web : 0.93 (60 - 42)	DL(V): 0.92 in.	L / 489 (47-11)	L / 0
	Cant / OH TL: -0.01 in.	2L / 386 3	2L / 240
	Cant / OH LL: -0.01 in.	2L / 386 3	2L / 240
	Horiz TL: 0.2 in.	28	
	Web :		
	Snow/Wind -0.06 in.	L / 650 (25-29)	L / 360
	Cant (Snow/Wind) 0.02 in.	L / 386 3	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-10, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table							
P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
9	Pin		1740 lbs	2440 lbs	0 lbs	-1890 lbs	1740 lbs
10	HRoll		0 lbs	1890 lbs	0 lbs	-1540 lbs	0 lbs
11	Pin		-170 lbs	16240 lbs	0 lbs	0 lbs	-170 lbs

Materials		Material Exceptions	
Type	Material	Section	Material
Top Chd	350S150-54(50)	Bracing	
Bot Chd	350S150-54(50)	Sheathing	
Web	350S150-54(50)	Purlin (96 in.)	
		Unbraced	

Truss Dimensions	
Max Height	Max Width
8-9-12	37-9-0

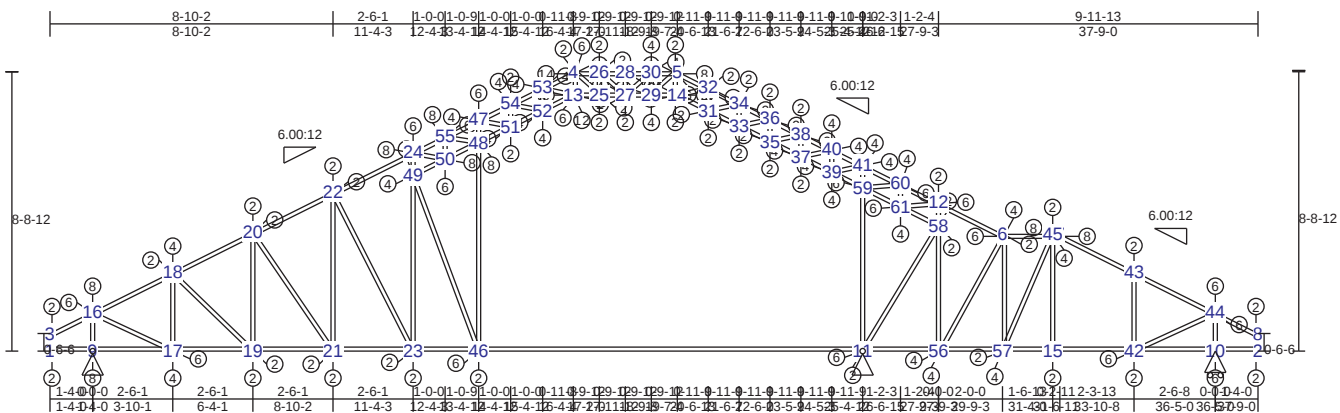
Material Design **Pass**

Member Forces Summary

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

Top Chord		Bot Chord		Web		Web		Web		Web									
4-25	0.71	4565 lbs	-3547 lbs	1-9	0.27	1806 lbs	-1742 lbs	34-35	0.02	328 lbs	-65 lbs	12-55	0.50	5569 lbs	-5402 lbs	13-30	0.08	873 lbs	-601 lbs
25-29	0.71	4565 lbs	-3547 lbs	9-16	0.34	1806 lbs	-1742 lbs	36-37	0.03	489 lbs	-222 lbs	47-49	0.88	2150 lbs	-1754 lbs	30-32	0.08	873 lbs	-633 lbs
5-29	0.66	2830 lbs	-1838 lbs	16-18	0.29	782 lbs	-751 lbs	38-39	0.03	652 lbs	-360 lbs	48-49	0.88	2150 lbs	-1754 lbs	32-34	0.07	873 lbs	-682 lbs
3-15	0.65	2626 lbs	-2460 lbs	18-20	0.15	782 lbs	-751 lbs	14-43	0.02	257 lbs	-163 lbs	47-50	0.44	-2011 lbs	-2011 lbs	34-36	0.07	1366 lbs	-682 lbs
15-17	0.57	3285 lbs	-2959 lbs	20-22	0.18	757 lbs	-741 lbs	44-45	0.06	762 lbs	-645 lbs	4-12	0.00	0 lbs	0 lbs	36-38	0.14	2149 lbs	-682 lbs
17-19	0.36	3446 lbs	-2976 lbs	22-47	0.90	-583 lbs	-583 lbs	10-46	0.14	2065 lbs	-1813 lbs	11-40	0.83	1641 lbs	-720 lbs	38-40	0.41	2149 lbs	-599 lbs
19-21	0.36	3446 lbs	-2976 lbs	11-47	0.92	200 lbs	-193 lbs	2-8	0.00	32 lbs	-10 lbs	40-41	0.83	1641 lbs	-720 lbs	40-60	0.89	2149 lbs	-452 lbs
21-23	0.41	4248 lbs	-3551 lbs	57-57	0.92	-1816 lbs	-1816 lbs	4-24	0.00	0 lbs	0 lbs	23-52	0.18	2517 lbs	-2277 lbs	42-60	0.93	1458 lbs	-452 lbs
55	0.72	5515 lbs	-5261 lbs	57-58	0.85	-1752 lbs	-1752 lbs	25-26	0.07	1099 lbs	-857 lbs	51-52	0.13	-1672 lbs	-1672 lbs				
48-51	0.94	8288 lbs	-8002 lbs	14-58	0.36	-1841 lbs	-1841 lbs	26-29	0.10	1425 lbs	-1218 lbs	49-51	0.15	2137 lbs	-1898 lbs				
48-53	0.94	8156 lbs	-7720 lbs	14-44	0.34	-1841 lbs	-1841 lbs	5-28	0.00	0 lbs	0 lbs	48-54	0.03	-410 lbs	-410 lbs				
53-56	0.96	8083 lbs	-7228 lbs	10-44	0.34	-1604 lbs	-1604 lbs	13-31	0.00	-25 lbs	-25 lbs	53-54	0.01	289 lbs	-134 lbs				
4-56	0.70	4250 lbs	-3226 lbs	2-10	0.12	0 lbs	0 lbs	30-33	0.06	-818 lbs	-818 lbs	53-55	0.34	4393 lbs	-4338 lbs				
6-7	0.57	2458 lbs	-1923 lbs	Web				32-35	0.03	-359 lbs	-359 lbs	55-56	0.23	-2919 lbs	-2919 lbs				
7-43	0.25	2612 lbs	-2052 lbs	1-3	0.00	30 lbs	-8 lbs	34-37	0.04	-464 lbs	-464 lbs	12-56	0.10	-1250 lbs	-1250 lbs				
43-45	0.28	2612 lbs	-2089 lbs	9-15	0.19	2580 lbs	-2381 lbs	36-39	0.06	-734 lbs	-734 lbs	6-60	0.10	1848 lbs	-824 lbs				
45-46	0.48	2493 lbs	-2089 lbs	16-17	0.08	1030 lbs	-936 lbs	38-41	0.16	-795 lbs	-795 lbs	59-60	0.04	-486 lbs	-486 lbs				
8-46	0.55	2042 lbs	-1815 lbs	18-19	0.03	366 lbs	-289 lbs	44-46	0.17	-1765 lbs	-1765 lbs	40-59	0.05	-604 lbs	-604 lbs				
5-31	0.84	3002 lbs	-1931 lbs	20-21	0.01	167 lbs	-91 lbs	15-16	0.22	-2348 lbs	-2348 lbs	11-42	0.05	460 lbs	-357 lbs				
31-33	0.87	3582 lbs	-2847 lbs	22-50	0.38	-1892 lbs	-1892 lbs	17-18	0.06	-595 lbs	-595 lbs	6-57	0.10	771 lbs	-719 lbs				
33-35	0.35	3582 lbs	-2867 lbs	23-50	0.38	-1892 lbs	-1892 lbs	19-20	0.01	123 lbs	-82 lbs	7-58	0.07	-518 lbs	-518 lbs				
35-37	0.28	3198 lbs	-2828 lbs	24-25	0.00	0 lbs	0 lbs	21-22	0.08	-439 lbs	-439 lbs	43-58	0.02	283 lbs	-186 lbs				
37-39	0.24	-2761 lbs	-2761 lbs	28-29	0.00	0 lbs	0 lbs	50-52	0.30	3542 lbs	-3267 lbs	14-45	0.04	-328 lbs	-328 lbs				
39-41	0.21	-2436 lbs	-2436 lbs	5-13	0.01	-193 lbs	-193 lbs	49-52	0.51	6018 lbs	-5475 lbs	7-57	0.04	394 lbs	-275 lbs				
41-59	0.19	-1907 lbs	-1907 lbs	30-31	0.03	555 lbs	-383 lbs	49-54	0.51	6018 lbs	-5475 lbs	12-26	0.84	-1735 lbs	-1735 lbs				
6-59	0.26	2332 lbs	-1969 lbs	32-33	0.01	249 lbs	-45 lbs	54-55	0.51	6018 lbs	-5475 lbs	13-26	0.84	-1735 lbs	-1735 lbs				

TRUSS T9 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (55 - 47)	TL(V): 1.65 in.	L / 274	(42-10)	L / 240
BC : 0.88 (46 - 11)	LL(V): 0.75 in.	L / 605	(46-11)	L / 360
Web : 0.95 (46 - 48)	DL(V): 0.9 in.	L / 502	(46-11)	L / 0
	Cant / OH TL: 0.01 in.	2L / 279	8	2L / 240
	Cant / OH LL: 0.01 in.	2L / 279	8	2L / 240
	Horiz TL: 0.05 in.		48	
	Web :			
	Snow/Wind -0.02 in.	L / 999	(5-32)	L / 360
	Cant (Snow/Wind) -0.01 in. L / 999		8	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table							
P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
9	Pin		1560 lbs	2330 lbs	0 lbs	-1840 lbs	1560 lbs
10	HRoll		0 lbs	1670 lbs	0 lbs	-1620 lbs	0 lbs
11	Pin		-240 lbs	14000 lbs	0 lbs	0 lbs	-240 lbs

Materials			Material Exceptions		
Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions	
Max Height	Max Width
8-9-12	37-9-0

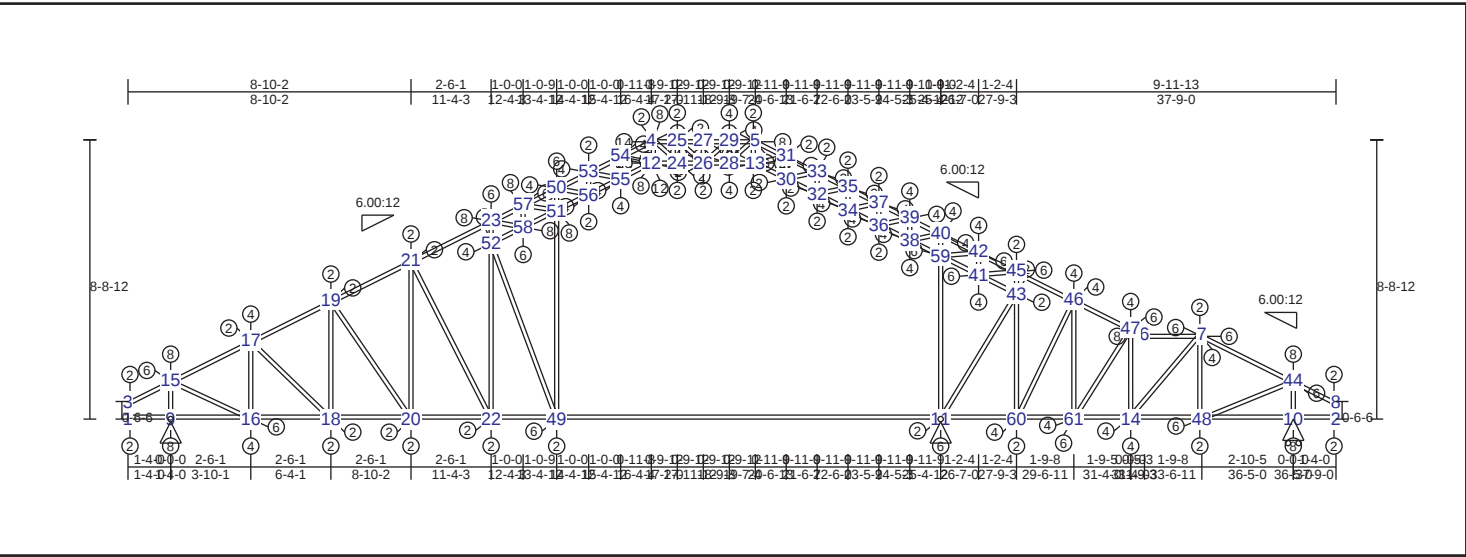
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web	Web	Web	Web
4-26 0.63 4942 lbs	-3956 lbs 1-9 0.25 1665 lbs	-1564 lbs 39-40 0.05 823 lbs	-584 lbs 13-52 0.49 5646 lbs	-5323 lbs 11-59 0.26 2110 lbs	-1449 lbs
26-28 0.32 4942 lbs	-3439 lbs 9-17 0.32 1665 lbs	-1564 lbs 42-43 0.04 640 lbs	-436 lbs 46-48 0.95 2348 lbs	-1927 lbs 41-59 0.17 2110 lbs	-1449 lbs
28-30 0.34 4607 lbs	-2954 lbs 17-19 0.28 806 lbs	-770 lbs 10-44 0.13 2149 lbs	-1644 lbs 47-48 0.95 2348 lbs	-1927 lbs 12-61 0.09 1824 lbs	-1108 lbs
5-30 0.51 4021 lbs	-2440 lbs 19-21 0.14 806 lbs	-770 lbs 2-8 0.00 30 lbs	-11 lbs 46-49 0.47 -2148 lbs	-2148 lbs 60-61 0.08 -1022 lbs	-1022 lbs
3-16 0.63 2523 lbs	-2331 lbs 21-23 0.18 766 lbs	-748 lbs 13-25 0.62 2351 lbs	-2294 lbs 27-28 0.01 285 lbs	-38 lbs 59-60 0.10 1847 lbs	-1185 lbs
16-18 0.56 3149 lbs	-2788 lbs 23-46 0.81 -578 lbs	-578 lbs 25-27 0.28 2351 lbs	-2294 lbs 4-13 0.18 2418 lbs	-2359 lbs	
18-20 0.34 3297 lbs	-2788 lbs 11-46 0.88 -240 lbs	-240 lbs 27-29 0.22 -2294 lbs	-2294 lbs 13-53 0.11 -1371 lbs	-1371 lbs	
20-22 0.35 3297 lbs	-2787 lbs 11-56 0.88 -1562 lbs	-1562 lbs 14-29 0.14 -1261 lbs	-1261 lbs 52-53 0.06 892 lbs	-772 lbs	
22-24 0.45 4159 lbs	-3433 lbs 56-57 0.37 -2141 lbs	-2141 lbs 4-25 0.06 -753 lbs	-753 lbs 52-54 0.11 -1384 lbs	-1384 lbs	
24-55 0.58 6888 lbs	-6428 lbs 15-57 0.62 -2141 lbs	-2141 lbs 26-27 0.05 -648 lbs	-648 lbs 51-54 0.04 766 lbs	-567 lbs	
47-55 0.82 8772 lbs	-8529 lbs 15-42 0.62 -1745 lbs	-1745 lbs 27-30 0.07 -936 lbs	-936 lbs 47-51 0.09 -1092 lbs	-1092 lbs	
47-54 0.73 8692 lbs	-8299 lbs 10-42 0.63 -1745 lbs	-1745 lbs 5-29 0.14 -1836 lbs	-1836 lbs 48-55 0.18 2579 lbs	-2311 lbs	
53-54 0.59 7794 lbs	-7043 lbs 2-10 0.11 0 lbs	0 lbs 14-32 0.00 -20 lbs	-20 lbs 50-55 0.14 -1841 lbs	-1841 lbs	
4-53 0.49 6480 lbs	-5497 lbs		-181 lbs 24-50 0.20 2779 lbs	-2494 lbs	
6-45 0.74 2660 lbs	-1825 lbs	-9 lbs 33-36 0.04 -554 lbs	-554 lbs 14-31 0.04 -478 lbs	-478 lbs	
7-45 0.61 2264 lbs	-1490 lbs 9-16 0.18 2491 lbs	-2269 lbs 35-38 0.06 -757 lbs	-757 lbs 31-33 0.06 718 lbs	-483 lbs	
7-43 0.34 2462 lbs	-1729 lbs 17-18 0.08 986 lbs	-881 lbs 37-40 0.08 -1002 lbs	-1002 lbs 33-35 0.09 1548 lbs	-836 lbs	
43-44 0.51 2462 lbs	-1729 lbs 19-20 0.03 343 lbs	-258 lbs 39-41 0.18 -1100 lbs	-1100 lbs 35-37 0.13 2640 lbs	-1576 lbs	
8-44 0.57 2176 lbs	-1642 lbs 21-22 0.02 200 lbs	-116 lbs 42-44 0.18 -1920 lbs	-1920 lbs 37-39 0.19 3855 lbs	-2443 lbs	
5-32 0.42 2883 lbs	-1778 lbs 23-49 0.41 -2085 lbs	-2085 lbs 16-17 0.21 -2247 lbs	-2247 lbs 39-59 0.24 3855 lbs	-2443 lbs	
32-34 0.44 2868 lbs	-1856 lbs 24-49 0.41 -2085 lbs	-2085 lbs 18-19 0.06 -554 lbs	-554 lbs 59-61 0.24 3855 lbs	-2443 lbs	
34-36 0.19 2770 lbs	-1856 lbs 25-26 0.15 460 lbs	-286 lbs 20-21 0.01 143 lbs	-106 lbs 58-61 0.10 1811 lbs	-1133 lbs	
36-38 0.14 2166 lbs	-1586 lbs 29-30 0.35 1252 lbs	-763 lbs 22-23 0.09 -467 lbs	-467 lbs 45-57 0.12 -997 lbs	-997 lbs	
38-40 0.17 1335 lbs	-1175 lbs 5-14 0.00 -33 lbs	-33 lbs 15-45 0.02 205 lbs	-156 lbs 6-56 0.07 1203 lbs	-587 lbs	
40-41 0.26 -540 lbs	-540 lbs 31-32 0.02 -305 lbs	-305 lbs 49-50 0.32 3882 lbs	-3546 lbs 6-57 0.07 741 lbs	-606 lbs	
41-60 0.29 -1454 lbs	-1454 lbs 33-34 0.02 384 lbs	-218 lbs 48-50 0.59 6859 lbs	-6221 lbs 56-58 0.13 -977 lbs	-977 lbs	
12-60 0.25 2146 lbs	-1532 lbs 35-36 0.03 531 lbs	-327 lbs 48-51 0.59 6859 lbs	-6221 lbs 12-58 0.11 -977 lbs	-977 lbs	
6-12 0.31 2404 lbs	-1773 lbs 37-38 0.04 690 lbs	-468 lbs 51-52 0.56 6859 lbs	-6221 lbs 11-58 0.03 385 lbs	-243 lbs	

TRUSS T10 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (47 - 6)	TL(V): 1.65 in.	L / 274	(6-7)	L / 240
BC : 0.87 (49 - 11)	LL(V): 0.75 in.	L / 605	(49-11)	L / 360
Web : 0.97 (49 - 51)	DL(V): 0.9 in.	L / 502	(49-11)	L / 0
	Cant / OH TL: -0.01 in.	2L / 280	3	2L / 240
	Cant / OH LL: -0.01 in.	2L / 280	3	2L / 240
	Horiz TL: 0.05 in.		51	
	Web :			
	Snow/Wind -0.06 in.	L / 361	(6-7)	L / 360
	Cant (Snow/Wind) 0.01 in.	L / 361	3	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table			
P.Point	Type	Brg. Width	Horz React. Vert React.
9	Pin	1550 lbs	2320 lbs
10	HRoll	0 lbs	-1980 lbs
11	Pin	-250 lbs	13890 lbs

Materials		Material Exceptions	
Type	Material	Section	Material
Top Chd	350S150-54(50)	Bracing	
Bot Chd	350S150-54(50)	Sheathing	
Web	350S150-54(50)	Purlin (96 in.)	
		Unbraced	

Truss Dimensions	
Max Height	Max Width
8'-8-12	37'-9-0

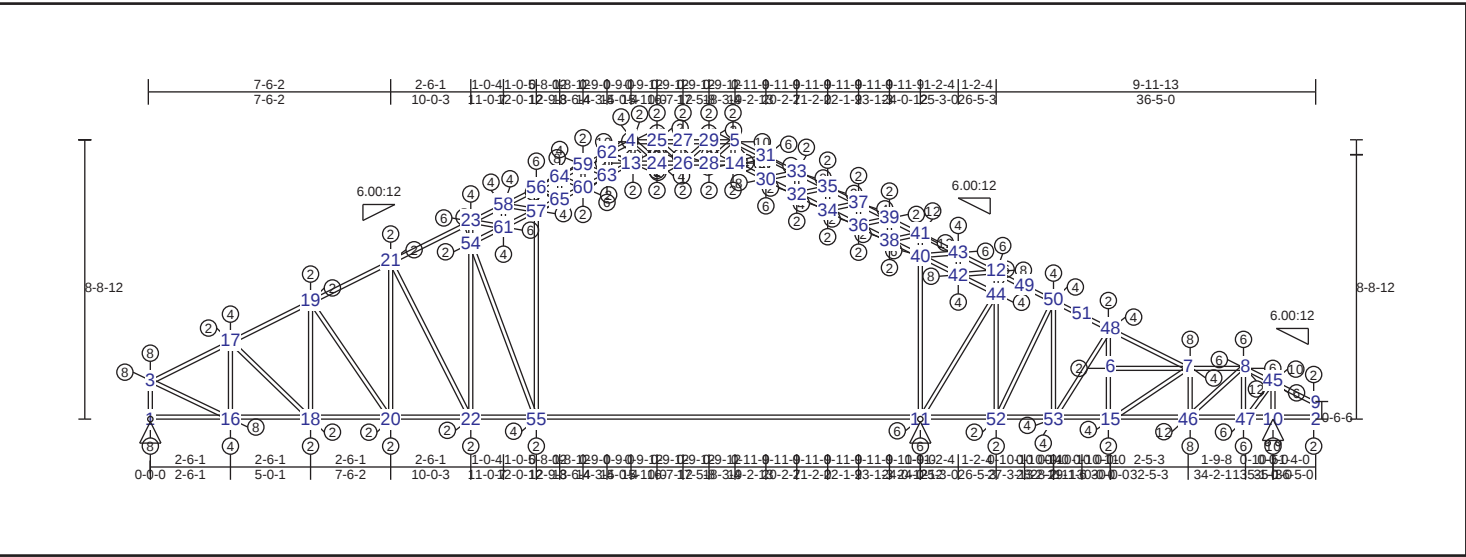
Material Design **Pass**

Member Forces Summary

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

Top Chord	Bot Chord	Web	Web	Web	Web
4-25 0.34 4992 lbs	1-9 0.25 1621 lbs	38-39 0.05 879 lbs	26-27 0.01 285 lbs	11-43 0.03 -180 lbs	-180 lbs
25-27 0.32 4976 lbs	9-16 0.32 1621 lbs	41-42 0.09 -1145 lbs	52-58 0.32 3911 lbs	47-61 0.09 1660 lbs	-810 lbs
27-29 0.34 4614 lbs	16-18 0.27 809 lbs	10-44 0.13 2594 lbs	51-58 0.60 6910 lbs	46-61 0.17 -1460 lbs	-1460 lbs
5-29 0.51 4000 lbs	18-20 0.14 809 lbs	2-8 0.01 -66 lbs	51-56 0.60 6910 lbs	46-60 0.06 962 lbs	-493 lbs
3-15 0.63 2492 lbs	20-22 0.18 766 lbs	12-24 0.64 -2403 lbs	55-56 0.57 6910 lbs	42-59 0.10 1972 lbs	-1240 lbs
15-17 0.55 3107 lbs	22-49 0.81 -577 lbs	24-26 0.29 -2403 lbs	12-55 0.50 5699 lbs	7-14 0.14 -1320 lbs	-1320 lbs
17-19 0.34 3250 lbs	11-49 0.87 -248 lbs	26-28 0.23 -2387 lbs	4-12 0.19 2445 lbs		
19-21 0.34 3250 lbs	11-60 0.87 1406 lbs	13-28 0.15 -1294 lbs	54-55 0.06 891 lbs		
21-23 0.46 4126 lbs	60-61 0.37 -1658 lbs	4-24 0.06 -773 lbs	53-56 0.04 765 lbs		
23-57 0.58 6913 lbs	14-61 0.37 -2544 lbs	25-26 0.05 -663 lbs	12-54 0.11 -1368 lbs		
50-57 0.83 8839 lbs	14-48 0.28 -1692 lbs	26-29 0.08 -978 lbs	53-55 0.11 -1384 lbs		
50-53 0.74 8761 lbs	10-48 0.41 -1692 lbs	5-28 0.15 -1884 lbs	50-56 0.09 -1091 lbs		
53-54 0.60 7867 lbs	2-10 0.41 0 lbs	13-31 0.00 -18 lbs	49-52 0.47 -2162 lbs		
4-54 0.50 6556 lbs		30-33 0.02 279 lbs	57-58 0.14 -1855 lbs		
6-7 0.71 3080 lbs		32-35 0.05 -611 lbs	51-57 0.19 2600 lbs		
5-31 0.30 2844 lbs		34-37 0.07 -843 lbs	23-58 0.20 2800 lbs		
31-33 0.30 2830 lbs		36-39 0.08 -1082 lbs	11-59 0.27 2247 lbs		
33-35 0.17 2535 lbs		38-40 0.24 -1171 lbs	40-59 0.24 2247 lbs		
35-37 0.15 1867 lbs		15-16 0.21 -2215 lbs	13-30 0.05 309 lbs		
37-39 0.18 -946 lbs		17-18 0.06 -542 lbs	30-32 0.07 977 lbs		
39-40 0.28 -692 lbs		19-20 0.02 144 lbs	32-34 0.10 1901 lbs		
40-42 0.31 -2038 lbs		21-22 0.09 -470 lbs	34-36 0.14 3081 lbs		
42-45 0.29 1901 lbs		41-45 0.11 2030 lbs	36-38 0.21 4374 lbs		
45-46 0.53 2200 lbs		14-47 0.08 1028 lbs	38-59 0.26 4374 lbs		
46-47 0.99 2844 lbs		7-48 0.04 627 lbs	41-59 0.26 4374 lbs		
6-47 0.99 2844 lbs		44-48 0.18 -1828 lbs	41-43 0.11 2185 lbs		
7-44 0.80 2336 lbs		49-51 0.97 2361 lbs	43-60 0.14 -791 lbs		
8-44 0.83 2336 lbs		50-51 0.97 2361 lbs	43-45 0.13 -791 lbs		

TRUSS T11 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (31 - 33)	TL(V): 1.69 in.	L / 259 (55-11)	L / 240
BC : 0.98 (55 - 11)	LL(V): 0.76 in.	L / 574 (55-11)	L / 360
Web : 0.87 (40 - 41)	DL(V): 0.93 in.	L / 471 (55-11)	L / 0
	Cant / OH TL: -0.01 in.	2L / 999 3	2L / 240
	Cant / OH LL: -0.01 in.	2L / 999 3	2L / 240
	Horiz TL: 0.29 in.	28	
	Web :		
	Snow/Wind -0.05 in.	L / 999 (55-11)	L / 360
	Cant (Snow/Wind) 0.02 in.	L / 999 3	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin			2350 lbs	2590 lbs	0 lbs	2350 lbs
10	HRoll		0 lbs	-3290 lbs	0 lbs	-3290 lbs	0 lbs
11	Pin		110 lbs	13410 lbs	0 lbs	110 lbs	110 lbs
45	NA		0 lbs	-3290 lbs	0 lbs	-3290 lbs	0 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
8'-9-12	36'-5-12

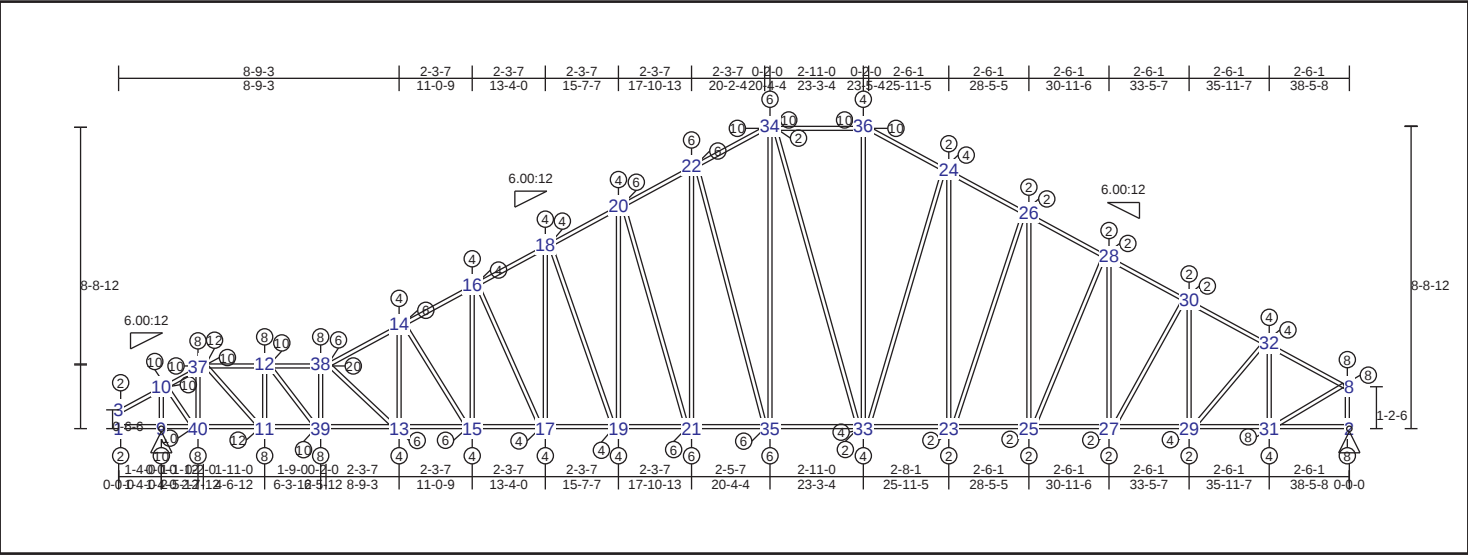
Material Design Pass

Member Forces Summary

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

Top Chord		Bot Chord		Web		Web		Web		Web	
4-25	0.40 4369 lbs	-2782 lbs	1-16	0.45 2511 lbs	-2352 lbs	10-45	0.23 3876 lbs	-2916 lbs	30-32	0.35 4252 lbs	-3754 lbs
25-27	0.32 4465 lbs	-2788 lbs	16-18	0.37 712 lbs	-700 lbs	2-9	0.01 179 lbs	-28 lbs	32-34	0.42 5406 lbs	-4549 lbs
27-29	0.32 4465 lbs	-2788 lbs	18-20	0.15 737 lbs	-732 lbs	13-24	0.09 -684 lbs	-684 lbs	34-36	0.46 6212 lbs	-4967 lbs
5-29	0.40 4369 lbs	-2782 lbs	20-22	0.18 737 lbs	-732 lbs	24-26	0.11 -684 lbs	-684 lbs	36-38	0.47 6758 lbs	-5131 lbs
5-31	0.45 3551 lbs	-2452 lbs	22-55	0.82 -596 lbs	-596 lbs	26-28	0.11 -684 lbs	-684 lbs	38-40	0.49 6758 lbs	-5131 lbs
31-33	0.98 6825 lbs	-5981 lbs	11-55	0.98 109 lbs	-54 lbs	14-28	0.09 -684 lbs	-684 lbs	40-42	0.49 6758 lbs	-5131 lbs
33-35	0.89 7305 lbs	-6789 lbs	11-52	0.42 3450 lbs	-3149 lbs	4-24	0.08 -996 lbs	-996 lbs	42-44	0.31 4146 lbs	-3291 lbs
35-37	0.76 8100 lbs	-7984 lbs	52-53	0.42 3746 lbs	-3606 lbs	25-26	0.02 -211 lbs	-211 lbs	48-53	0.19 1121 lbs	-576 lbs
37-39	0.77 -8832 lbs	-8832 lbs	15-53	0.48 -4274 lbs	-4274 lbs	26-29	0.02 -211 lbs	-211 lbs	11-40	0.58 1624 lbs	-1415 lbs
39-41	0.82 -9056 lbs	-9056 lbs	15-46	0.82 -4984 lbs	-4984 lbs	5-28	0.08 -996 lbs	-996 lbs	40-41	0.87 -2347 lbs	-2347 lbs
41-43	0.91 -9533 lbs	-9533 lbs	46-47	0.83 -4984 lbs	-4984 lbs	14-31	0.00 -46 lbs	-46 lbs	11-44	0.30 -2108 lbs	-2108 lbs
12-43	0.65 -7585 lbs	-7585 lbs	10-47	0.62 -1466 lbs	-1466 lbs	30-33	0.25 -3223 lbs	-3223 lbs	44-52	0.30 -1723 lbs	-1723 lbs
12-50	0.48 5134 lbs	-4711 lbs	2-10	0.54 -53 lbs	-53 lbs	32-35	0.06 -703 lbs	-703 lbs	12-44	0.23 -1723 lbs	-1723 lbs
48-50	0.47 5310 lbs	-4481 lbs	Web			34-37	0.08 -1051 lbs	-1051 lbs	50-53	0.22 -944 lbs	-944 lbs
7-48	0.77 5425 lbs	-4645 lbs	1-3	0.20 2822 lbs	-2584 lbs	36-39	0.06 -748 lbs	-748 lbs	50-52	0.20 1030 lbs	-663 lbs
8-45	0.26 2266 lbs	-1693 lbs	16-17	0.11 1335 lbs	-1174 lbs	38-41	0.86 -3614 lbs	-3614 lbs	4-13	0.00 -27 lbs	-27 lbs
9-45	0.30 2266 lbs	-1693 lbs	18-19	0.04 400 lbs	-354 lbs	40-43	0.14 2277 lbs	-1818 lbs	26-27	0.02 308 lbs	-61 lbs
3-17	0.72 3941 lbs	-3552 lbs	20-21	0.01 135 lbs	-34 lbs	12-42	0.16 2628 lbs	-2033 lbs	59-60	0.03 555 lbs	-419 lbs
17-19	0.38 4128 lbs	-3610 lbs	22-54	0.28 -1430 lbs	-1430 lbs	3-16	0.28 -3038 lbs	-3038 lbs	57-58	0.11 1588 lbs	-1364 lbs
19-21	0.42 4156 lbs	-3610 lbs	23-54	0.28 -1430 lbs	-1430 lbs	17-18	0.07 668 lbs	-654 lbs	55-57	0.70 1715 lbs	-1335 lbs
21-23	0.43 4751 lbs	-4010 lbs	24-25	0.20 673 lbs	-164 lbs	19-20	0.01 105 lbs	-57 lbs	56-57	0.70 1715 lbs	-1335 lbs
23-58	0.53 6453 lbs	-5926 lbs	28-29	0.19 673 lbs	-164 lbs	7-46	0.20 3166 lbs	-2506 lbs	54-55	0.34 -1555 lbs	-1555 lbs
56-58	0.68 7555 lbs	-7207 lbs	5-14	0.00 -27 lbs	-27 lbs	8-47	0.14 1980 lbs	-1701 lbs	23-61	0.12 1788 lbs	-1551 lbs
56-64	0.67 7448 lbs	-6957 lbs	30-31	0.16 2223 lbs	-2086 lbs	7-15	0.04 854 lbs	-200 lbs	58-61	0.09 -1166 lbs	-1166 lbs
59-64	0.74 6702 lbs	-5946 lbs	32-33	0.03 485 lbs	-377 lbs	8-46	0.42 -4755 lbs	-4755 lbs	54-61	0.22 2567 lbs	-2298 lbs
59-62	0.72 6203 lbs	-5251 lbs	34-35	0.04 740 lbs	-574 lbs	45-47	0.19 -2382 lbs	-2382 lbs	57-61	0.38 4418 lbs	-3897 lbs
4-62	0.64 3551 lbs	-2443 lbs	36-37	0.03 510 lbs	-444 lbs	6-15	0.26 -755 lbs	-755 lbs	57-65	0.38 4418 lbs	-3897 lbs
0-70	0.504 lbs	-4292 lbs	38-39	0.03 465 lbs	-407 lbs	6-48	0.13 -755 lbs	-755 lbs	60-65	0.36 4418 lbs	-3897 lbs
0-90	0.504 lbs	-4292 lbs	42-43	0.12 -1510 lbs	-1510 lbs	14-30	0.31 3485 lbs	-3274 lbs	60-63	0.30 3438 lbs	-3151 lbs

TRUSS T12 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (34 - 36)	TL(V): 0.09 in.	L / 409	(34-36)	L / 240
BC : 0.89 (40 - 11)	LL(V): 0.05 in.	L / 828	(34-36)	L / 360
Web : 0.65 (22 - 35)	DL(V): 0.05 in.	L / 810	(34-36)	L / 0
	Cant / OH TL: -0.01 in.	2L / 280	3	2L / 240
	Cant / OH LL: -0.01 in.	2L / 280	3	2L / 240
	Horiz TL: -0.03 in.		24	
	Web :			
	Snow/Wind -0.16 in.	L / 437	(34-36)	L / 360
	Cant (Snow/Wind) 0.01 in.	L / 380	3	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table				Material Exceptions			
P.Point	Type	Brg. Width	Horz React. Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal	
2	Pin		-3590 lbs 2870 lbs	0 lbs	-2390 lbs	-3590 lbs	
9	Pin		3570 lbs -3910 lbs	0 lbs	-3910 lbs	3570 lbs	

Materials				Material Exceptions			
Type	Material	Bracing	Section	Material	Bracing		
Top Chd	350S150-54(50)	Sheathing					
Bot Chd	350S150-54(50)	Purlin (96 in.)					
Web	350S150-54(50)	Unbraced					

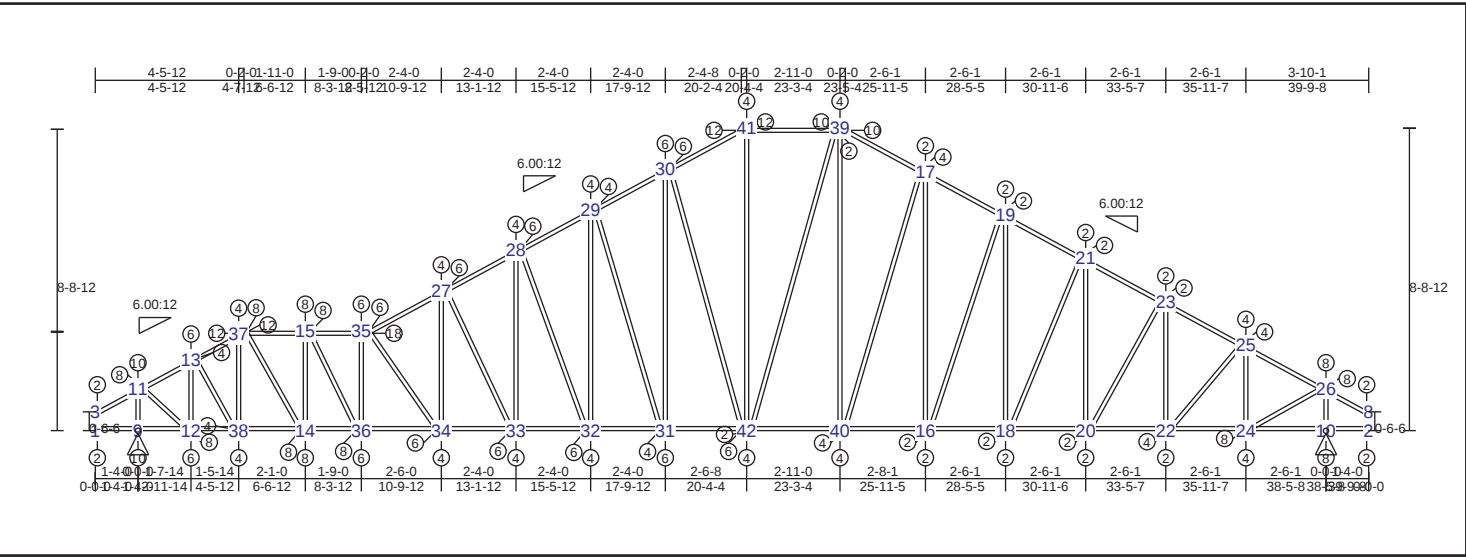
Truss Dimensions	
Max Height	Max Width
8-8-13	38-5-8

Material Design **Pass**

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

Top Chord				Bot Chord				Web				Web			
3-10	0.4	1805 lbs	-1396 lbs	1-9	0.42	-3568 lbs	-3568 lbs	1-3	0.01	121 lbs	-5 lbs	16-17	0.20	1478 lbs	-1405 lbs
10-37	0.71	3486 lbs	-3020 lbs	9-40	0.74	-3568 lbs	-3568 lbs	9-10	0.26	3890 lbs	-3288 lbs	18-19	0.30	-1485 lbs	-1485 lbs
4-37	0.71	3486 lbs	-3020 lbs	11-40	0.89	-1940 lbs	-1940 lbs	11-12	0.25	3151 lbs	-2988 lbs	20-21	0.46	-1639 lbs	-1639 lbs
4-12	0.86	5285 lbs	-4743 lbs	11-39	0.89	-3928 lbs	-3928 lbs	13-14	0.15	-1520 lbs	-1520 lbs	23-26	0.18	-663 lbs	-663 lbs
12-38	0.76	7273 lbs	-7159 lbs	13-39	0.71	-3928 lbs	-3928 lbs	15-16	0.17	-1385 lbs	-1385 lbs	25-28	0.06	-317 lbs	-317 lbs
5-38	0.76	7273 lbs	-7159 lbs	13-15	0.53	2285 lbs	-2253 lbs	17-18	0.22	1342 lbs	-1280 lbs	27-30	0.02	185 lbs	-162 lbs
6-34	0.81	3610 lbs	-3191 lbs	15-17	0.39	1464 lbs	-1275 lbs	19-20	0.33	1465 lbs	-1281 lbs	29-32	0.07	862 lbs	-667 lbs
34-36	0.81	3610 lbs	-3191 lbs	17-19	0.40	853 lbs	-632 lbs	21-22	0.46	1637 lbs	-1330 lbs	8-31	0.24	3231 lbs	-2629 lbs
7-36	0.76	3491 lbs	-3085 lbs	19-21	0.46	329 lbs	-191 lbs	23-24	0.12	725 lbs	-353 lbs	33-34	0.18	409 lbs	-364 lbs
5-14	0.76	-7331 lbs	-7331 lbs	21-35	0.57	716 lbs	-636 lbs	25-26	0.04	384 lbs	-184 lbs	24-33	0.36	-950 lbs	-950 lbs
14-16	0.76	-6014 lbs	-6014 lbs	33-35	0.57	835 lbs	-733 lbs	27-28	0.01	187 lbs	-80 lbs	22-35	0.65	-1703 lbs	-1703 lbs
16-18	0.67	-5174 lbs	-5174 lbs	23-33	0.33	835 lbs	-733 lbs	29-30	0.06	-490 lbs	-490 lbs	10-40	0.25	3269 lbs	-3022 lbs
18-20	0.64	-4627 lbs	-4627 lbs	23-25	0.26	619 lbs	-449 lbs	31-32	0.14	-1529 lbs	-1529 lbs	12-39	0.28	3784 lbs	-3114 lbs
20-22	0.64	4258 lbs	-4139 lbs	25-27	0.15	485 lbs	-226 lbs	2-8	0.23	-2879 lbs	-2879 lbs				
6-22	0.53	3968 lbs	-3623 lbs	27-29	0.13	508 lbs	-286 lbs	33-36	0.42	1243 lbs	-908 lbs				
7-24	0.47	3818 lbs	-3500 lbs	29-31	0.47	957 lbs	-756 lbs	34-35	0.63	1650 lbs	-1370 lbs				
24-26	0.49	3839 lbs	-3785 lbs	2-31	0.64	-3588 lbs	-3588 lbs	38-39	0.21	-2562 lbs	-2562 lbs				
26-28	0.45	-3976 lbs	-3976 lbs					37-40	0.21	2599 lbs	-2521 lbs				
28-30	0.43	-4053 lbs	-4053 lbs					4-11	0.38	-4148 lbs	-4148 lbs				
30-32	0.65	-4049 lbs	-4049 lbs					5-13	0.16	2220 lbs	-1677 lbs				
8-32	0.42	-3702 lbs	-3702 lbs					14-15	0.16	1757 lbs	-1474 lbs				

TRUSS T13 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (41 - 39)	TL(V): 0.11 in.	L / 351	(41-39)	L / 240
BC : 0.83 (38 - 14)	LL(V): 0.05 in.	L / 720	(41-39)	L / 360
Web : 0.66 (30 - 42)	DL(V): 0.06 in.	L / 686	(41-39)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: 0.02 in.		4	
	Web :			
	Snow/Wind -0.18 in.	L / 412	(41-39)	L / 360
	Cant (Snow/Wind) 0.02 in.	L / 501	(3-11)	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table							
P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
9	Pin						
10	Pin		-3310 lbs	3080 lbs	0 lbs	-3370 lbs	3310 lbs

Materials		Material Exceptions	
Type	Material	Section	Material
Top Chd	350S150-54(50)		
Bot Chd	350S150-54(50)		
Web	350S150-54(50)		

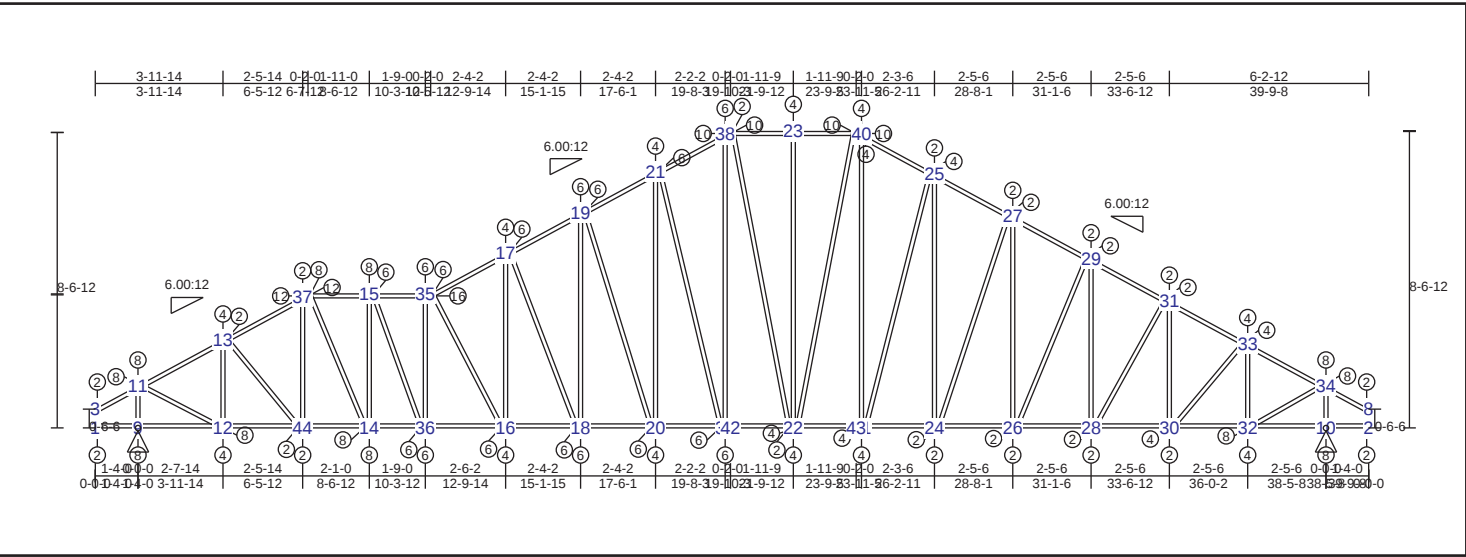
Truss Dimensions			
Max Height	Max Width		
8'-8-13	39'-9-8		

Material Design **Pass**

Member Forces Summary

Table Columns: Member Id, CSI, Max Axial Force, Max Comp. Force											
Top Chord				Bot Chord				Web			
3-11	0.93	1598 lbs	-1337 lbs	1-9	0.45	-3314 lbs	-3314 lbs	1-3	0.00	56 lbs	-48 lbs
11-13	0.88	3840 lbs	-3328 lbs	9-12	0.60	-3314 lbs	-3314 lbs	9-11	0.25	3586 lbs	-3174 lbs
13-37	0.60	4477 lbs	-3892 lbs	12-38	0.60	-1027 lbs	-1027 lbs	12-13	0.17	2168 lbs	-1979 lbs
4-37	0.53	4477 lbs	-3892 lbs	14-38	0.83	-1933 lbs	-1933 lbs	14-15	0.25	2913 lbs	-2639 lbs
4-15	0.78	5304 lbs	-4653 lbs	14-36	0.83	-3053 lbs	-3053 lbs	16-17	0.11	731 lbs	-323 lbs
15-35	0.66	6425 lbs	-5982 lbs	34-36	0.62	-3053 lbs	-3053 lbs	18-19	0.04	389 lbs	-188 lbs
5-35	0.66	6425 lbs	-5982 lbs	33-34	0.53	-1905 lbs	-1905 lbs	20-21	0.01	206 lbs	-80 lbs
6-41	0.83	3725 lbs	-3186 lbs	32-33	0.44	1152 lbs	-1080 lbs	22-23	0.06	553 lbs	-510 lbs
39-41	0.83	3725 lbs	-3186 lbs	31-32	0.48	614 lbs	-482 lbs	24-25	0.12	-1388 lbs	-1388 lbs
7-39	0.79	3597 lbs	-3088 lbs	31-42	0.80	505 lbs	-410 lbs	10-26	0.25	-3157 lbs	-3157 lbs
5-27	0.65	6385 lbs	-6135 lbs	40-42	0.46	632 lbs	-499 lbs	2-8	0.00	74 lbs	-33 lbs
27-28	0.71	5370 lbs	-5243 lbs	16-40	0.32	632 lbs	-499 lbs	30-31	0.53	1655 lbs	-1547 lbs
28-29	0.64	4845 lbs	-4658 lbs	16-18	0.24	425 lbs	-214 lbs	29-32	0.36	-1455 lbs	-1455 lbs
29-30	0.77	4466 lbs	-4162 lbs	18-20	0.14	311 lbs	-193 lbs	28-33	0.26	-1552 lbs	-1552 lbs
6-30	0.54	4095 lbs	-3619 lbs	20-22	0.15	362 lbs	-263 lbs	27-34	0.19	-1581 lbs	-1581 lbs
7-17	0.46	3936 lbs	-3503 lbs	22-24	0.40	838 lbs	-485 lbs	35-36	0.21	-2183 lbs	-2183 lbs
17-19	0.50	3948 lbs	-3790 lbs	10-24	0.66	-3314 lbs	-3314 lbs	37-38	0.11	1152 lbs	-1152 lbs
19-21	0.45	-3982 lbs	-3982 lbs	2-10	0.49	-3314 lbs	-3314 lbs	39-40	0.25	921 lbs	-544 lbs
21-23	0.45	-4066 lbs	-4066 lbs								
23-25	0.56	-4062 lbs	-4062 lbs								
25-26	0.80	-3707 lbs	-3707 lbs								
8-26	0.78	-1321 lbs	-1321 lbs								

TRUSS T14 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (21 - 38)	TL(V): 0.06 in.	L / 999	(21-38)	L / 240
BC :	0.70 (44 - 14)	LL(V): 0.03 in.	L / 999	(21-38)	L / 360
Web :	0.80 (39 - 38)	DL(V): 0.03 in.	L / 999	(21-38)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0	2L / 240
		Cant / OH LL: 0 in.	2L / 999	0	2L / 240
		Horiz TL: 0.02 in.		4	
		Web :			
		Snow/Wind -0.06 in.	L / 999	(21-38)	L / 360
		Cant (Snow/Wind) 0.02 in.	L / 507	(3-11)	L / 360

- Load Summary**
- 1) This Truss has been designed in accordance with LRFD 2016.
 - 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
9	Pin		3100 lbs	3070 lbs	0 lbs	-3060 lbs	3100 lbs
10	Pin		-3100 lbs	3080 lbs	0 lbs	-2520 lbs	-3100 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
8'-6-15	39'-9-8

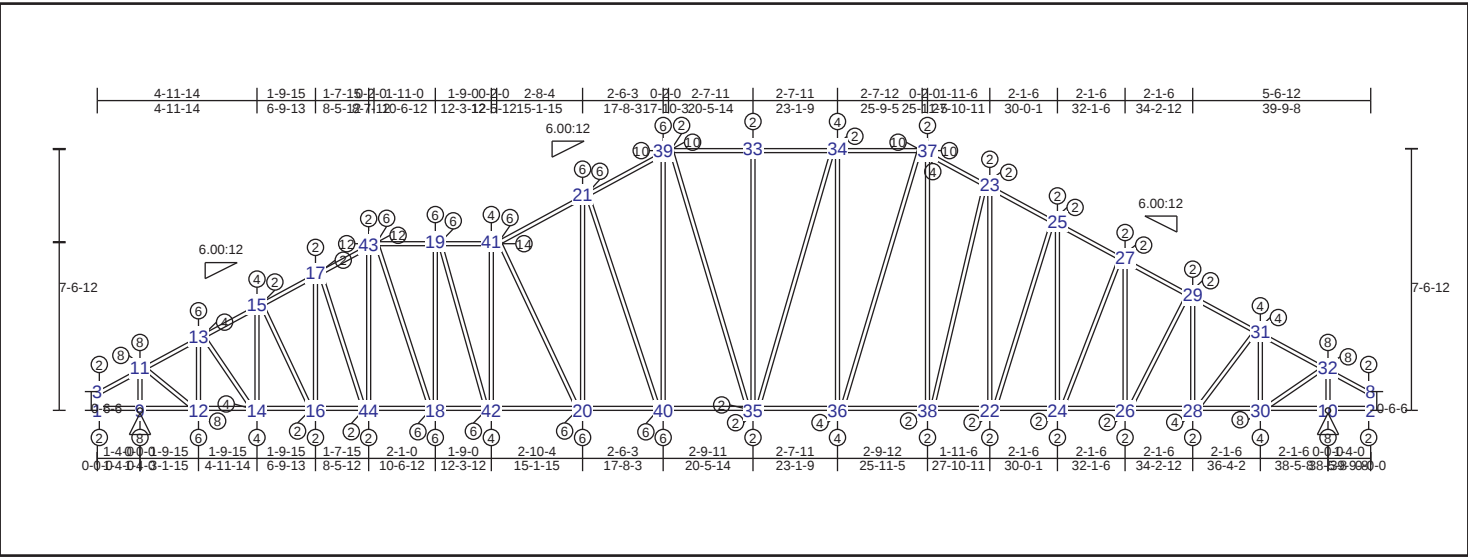
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
3-11	0.86	1435 lbs	-1311 lbs	1-9	0.48	-3097 lbs	-3097 lbs	1-3	0.00	70 lbs	-46 lbs	26-29	0.06	-302 lbs	-302 lbs
11-13	0.76	4048 lbs	-3741 lbs	9-12	0.64	-3097 lbs	-3097 lbs	9-11	0.25	3220 lbs	-3131 lbs	28-31	0.03	-203 lbs	-203 lbs
13-37	0.56	4589 lbs	-4069 lbs	12-44	0.39	-705 lbs	-705 lbs	12-13	0.12	1423 lbs	-1294 lbs	30-33	0.08	881 lbs	-731 lbs
4-37	0.40	4589 lbs	-4069 lbs	14-44	0.70	-1766 lbs	-1766 lbs	14-15	0.26	2521 lbs	-2222 lbs	32-34	0.23	3162 lbs	-2467 lbs
4-15	0.67	5002 lbs	-4455 lbs	14-36	0.70	-2438 lbs	-2438 lbs	16-17	0.26	-1607 lbs	-1607 lbs	6-22	0.09	218 lbs	-206 lbs
15-35	0.91	5674 lbs	-5271 lbs	16-36	0.54	-2438 lbs	-2438 lbs	18-19	0.39	-1650 lbs	-1650 lbs	7-22	0.43	-946 lbs	-946 lbs
5-35	0.91	5674 lbs	-5271 lbs	16-18	0.51	-1561 lbs	-1561 lbs	20-21	0.53	-1606 lbs	-1606 lbs	25-41	0.37	-1027 lbs	-1027 lbs
5-17	0.57	5582 lbs	-5355 lbs	18-20	0.46	891 lbs	-849 lbs	22-23	0.14	939 lbs	-307 lbs	21-39	0.67	2013 lbs	-1882 lbs
17-19	0.68	4962 lbs	-4727 lbs	20-39	0.55	405 lbs	-308 lbs	24-25	0.10	685 lbs	-306 lbs	13-44	0.08	-799 lbs	-799 lbs
19-21	0.59	4489 lbs	-4207 lbs	22-39	0.51	214 lbs	-158 lbs	26-27	0.04	360 lbs	-162 lbs	15-36	0.23	2238 lbs	-1845 lbs
21-38	0.58	4215 lbs	-3798 lbs	22-41	0.28	405 lbs	-251 lbs	28-29	0.01	212 lbs	-77 lbs				
6-38	0.78	3390 lbs	-2897 lbs	24-41	0.32	405 lbs	-251 lbs	30-31	0.06	555 lbs	-533 lbs				
6-23	0.38	3755 lbs	-3273 lbs	24-26	0.21	268 lbs	-144 lbs	32-33	0.12	-1397 lbs	-1397 lbs				
7-23	0.47	3737 lbs	-3235 lbs	26-28	0.10	381 lbs	-238 lbs	10-34	0.25	-3139 lbs	-3139 lbs				
7-40	0.55	3640 lbs	-3065 lbs	28-30	0.14	381 lbs	-290 lbs	2-8	0.00	65 lbs	-24 lbs				
25-40	0.70	3908 lbs	-3595 lbs	30-32	0.40	641 lbs	-335 lbs	40-41	0.26	978 lbs	-604 lbs				
25-27	0.46	3874 lbs	-3806 lbs	10-32	0.60	-3097 lbs	-3097 lbs	38-39	0.80	-1850 lbs	-1850 lbs				
27-29	0.45	-3990 lbs	-3990 lbs	2-10	0.44	-3097 lbs	-3097 lbs	37-44	0.06	682 lbs	-528 lbs				
29-31	0.45	-4061 lbs	-4061 lbs					35-36	0.21	-1797 lbs	-1797 lbs				
31-33	0.54	-4054 lbs	-4054 lbs					11-12	0.30	3203 lbs	-3176 lbs				
33-34	0.77	-3682 lbs	-3682 lbs					4-14	0.33	-2574 lbs	-2574 lbs				
8-34	0.77	-1317 lbs	-1317 lbs					5-16	0.17	1793 lbs	-1264 lbs				
								17-18	0.28	1865 lbs	-1477 lbs				
								19-20	0.41	1702 lbs	-1533 lbs				
								24-27	0.16	-607 lbs	-607 lbs				

TRUSS T15 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 - 39)	TL(V): 0.06 in.	L / 999	(21-39)	L / 240
BC : 0.71 (20 - 40)	LL(V): 0.03 in.	L / 999	(21-39)	L / 360
Web : 0.64 (40 - 39)	DL(V): 0.03 in.	L / 999	(21-39)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	43	2L / 240
	Horiz TL: 0.02 in.			
	Web :			
	Snow/Wind -0.06 in.	L / 999	(21-39)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0	L / 360

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
9	Pin		3090 lbs	3060 lbs	0 lbs	-2770 lbs	3090 lbs
10	Pin		-3090 lbs	3070 lbs	0 lbs	-2300 lbs	-3090 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
7-6-13	39-9-8

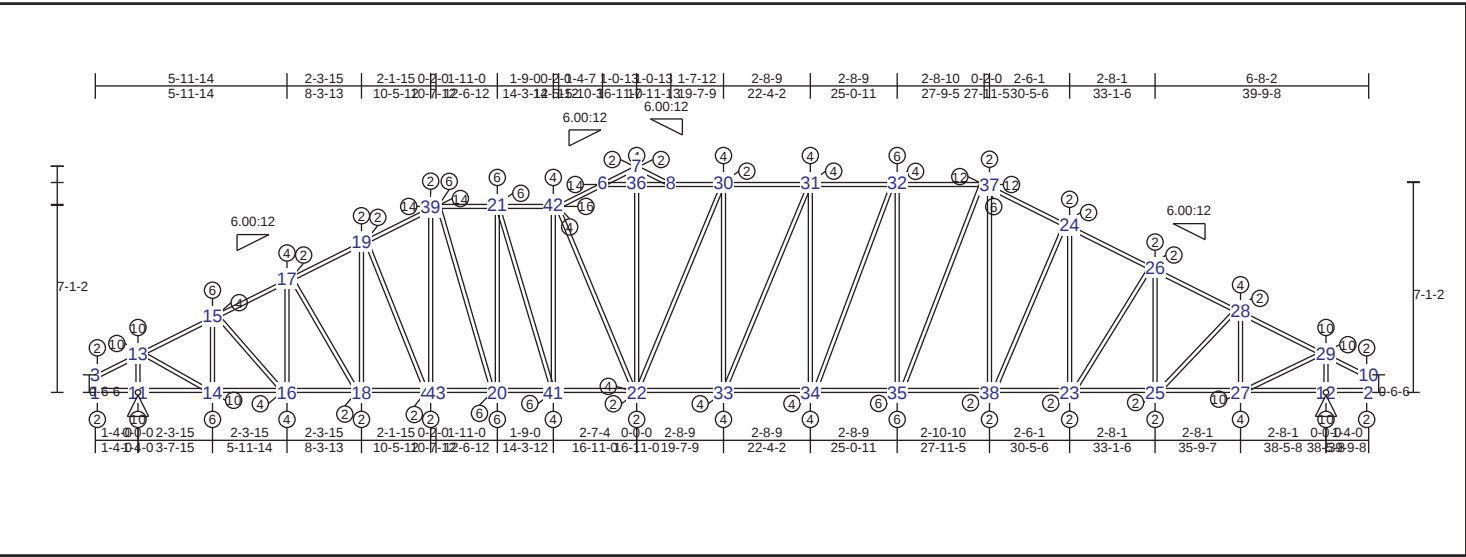
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web	Web
3-11 0.77 -1330 lbs -1330 lbs	1-9 0.43 -3094 lbs -3094 lbs	1-3 0.00 59 lbs -22 lbs	22-25 0.09 -429 lbs -429 lbs
11-13 0.85 -3407 lbs -3407 lbs	9-12 0.53 -3094 lbs -3094 lbs	9-11 0.25 -3162 lbs -3162 lbs	24-27 0.02 202 lbs -125 lbs
13-15 0.49 -3938 lbs -3938 lbs	12-14 0.53 -673 lbs -673 lbs	12-13 0.15 -1798 lbs -1798 lbs	26-29 0.03 353 lbs -265 lbs
15-17 0.42 4133 lbs -4039 lbs	14-16 0.24 -674 lbs -674 lbs	14-15 0.09 907 lbs -883 lbs	28-31 0.07 1072 lbs -763 lbs
17-43 0.39 4225 lbs -4039 lbs	16-44 0.14 -708 lbs -708 lbs	16-17 0.05 503 lbs -393 lbs	30-32 0.19 3087 lbs -2158 lbs
4-43 0.32 4225 lbs -3993 lbs	18-44 0.57 -1365 lbs -1365 lbs	18-19 0.29 2014 lbs -1879 lbs	34-35 0.21 -566 lbs -566 lbs
4-19 0.63 4426 lbs -4206 lbs	18-42 0.57 -1715 lbs -1715 lbs	20-21 0.39 -1659 lbs -1659 lbs	7-36 0.34 -900 lbs -900 lbs
19-41 0.75 4777 lbs -4721 lbs	20-42 0.58 -1715 lbs -1715 lbs	22-23 0.07 514 lbs -258 lbs	6-35 0.03 246 lbs -89 lbs
5-41 0.75 4777 lbs -4721 lbs	20-40 0.71 -900 lbs -900 lbs	24-25 0.03 196 lbs -145 lbs	19-42 0.20 1768 lbs -1201 lbs
5-21 0.54 -4718 lbs -4718 lbs	35-40 0.52 354 lbs -166 lbs	26-27 0.03 261 lbs -223 lbs	21-40 0.47 2170 lbs -1723 lbs
21-39 0.54 -4178 lbs -4178 lbs	35-36 0.40 354 lbs -99 lbs	28-29 0.07 -704 lbs -704 lbs	23-38 0.23 -812 lbs -812 lbs
6-39 0.80 -3356 lbs -3356 lbs	36-38 0.40 357 lbs -55 lbs	30-31 0.14 -1599 lbs -1599 lbs	17-44 0.01 183 lbs -105 lbs
6-33 0.69 3694 lbs -3660 lbs	22-38 0.26 357 lbs -61 lbs	10-32 0.25 -3154 lbs -3154 lbs	
33-34 0.50 -3660 lbs -3660 lbs	22-24 0.14 331 lbs -154 lbs	2-8 0.00 66 lbs -16 lbs	
7-34 0.50 -3556 lbs -3556 lbs	24-26 0.07 365 lbs -232 lbs	34-36 0.25 958 lbs -716 lbs	
7-37 0.51 -3353 lbs -3353 lbs	26-28 0.19 365 lbs -274 lbs	33-35 0.13 393 lbs -367 lbs	
23-37 0.62 -3778 lbs -3778 lbs	28-30 0.47 703 lbs -485 lbs	43-44 0.02 195 lbs -122 lbs	
23-25 0.42 -3920 lbs -3920 lbs	10-30 0.55 -3094 lbs -3094 lbs	41-42 0.22 -1418 lbs -1418 lbs	
25-27 0.40 -4027 lbs -4027 lbs	2-10 0.44 -3094 lbs -3094 lbs	39-40 0.64 -1897 lbs -1897 lbs	
27-29 0.43 -4027 lbs -4027 lbs		37-38 0.18 780 lbs -518 lbs	
29-31 0.52 -4004 lbs -4004 lbs		11-12 0.23 3029 lbs -2652 lbs	
31-32 0.83 -3544 lbs -3544 lbs		13-14 0.11 1261 lbs -1161 lbs	
8-32 0.77 -1324 lbs -1324 lbs		15-16 0.06 -566 lbs -566 lbs	
		4-18 0.33 -1975 lbs -1975 lbs	
		5-20 0.25 1794 lbs -1313 lbs	

TRUSS T16 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (5 - 6)	TL(V): 0.05 in.	L / 292 (7-8)	L / 240
BC : 0.71 (34 - 35)	LL(V): 0.02 in.	L / 658 (7-8)	L / 360
Web : 0.55 (4 - 20)	DL(V): 0.03 in.	L / 526 (7-8)	L / 0
	Cant / OH TL: 0 in.	2L / 999 0	2L / 240
	Cant / OH LL: 0 in.	2L / 999 0	2L / 240
	Horiz TL: 0.03 in.	39	
	Web :		
	Snow/Wind -0.07 in.	L / 402 (7-8)	L / 360
	Cant (Snow/Wind) 0.01 in.	L / 747 (3-13)	L / 360

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
11	Pin		3250 lbs	-3370 lbs	0 lbs	-3370 lbs	3250 lbs
12	Pin		3460 lbs	3170 lbs	0 lbs	-2860 lbs	3460 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
7-0-15	39-9-8

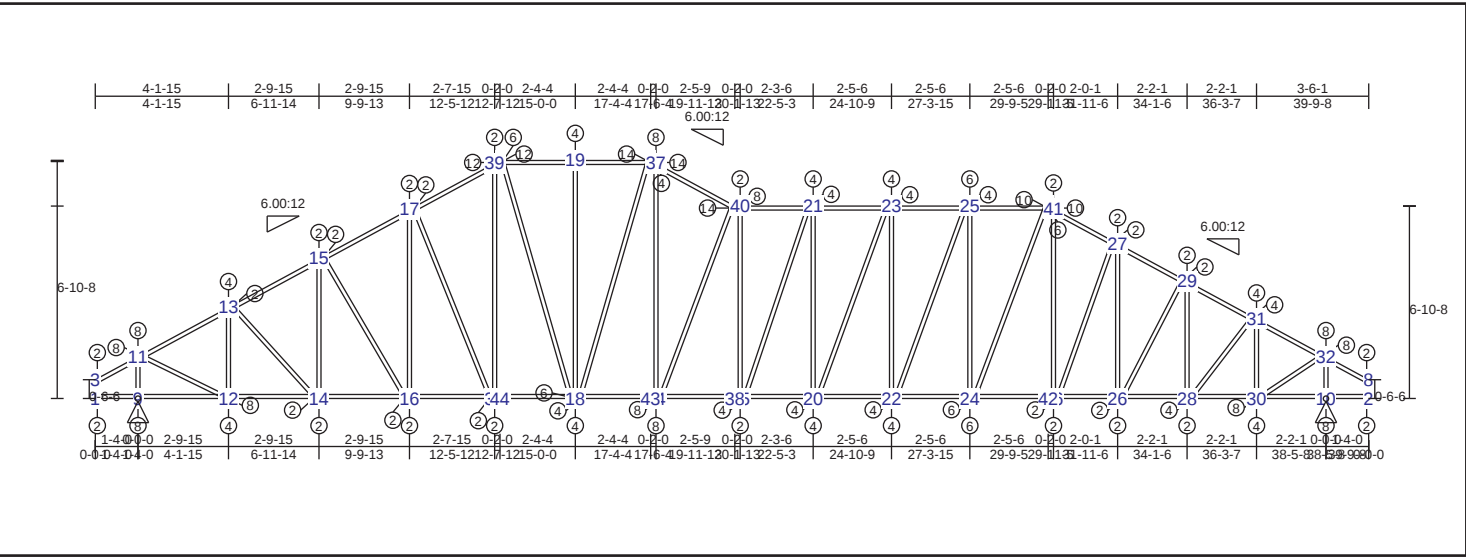
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web	Web
3-13 0.94 1584 lbs -1387 lbs	11-11 0.50 -3254 lbs -3254 lbs	1-3 0.00 75 lbs -57 lbs	23-26 0.03 -242 lbs -242 lbs
13-15 0.86 4333 lbs -3832 lbs	11-14 0.62 -3254 lbs -3254 lbs	11-13 0.26 3563 lbs -3305 lbs	25-28 0.09 811 lbs -801 lbs
15-17 0.56 5064 lbs -4276 lbs	14-16 0.49 -582 lbs -582 lbs	14-15 0.14 1761 lbs -1557 lbs	27-29 0.28 3342 lbs -2939 lbs
17-19 0.46 5332 lbs -4287 lbs	16-18 0.24 -850 lbs -850 lbs	16-17 0.07 903 lbs -644 lbs	32-34 0.41 -1366 lbs -1366 lbs
19-39 0.50 5420 lbs -4266 lbs	18-40 0.16 -852 lbs -852 lbs	18-19 0.02 469 lbs -137 lbs	9-35 0.53 -1766 lbs -1766 lbs
4-39 0.40 5420 lbs -4094 lbs	20-40 0.67 -1521 lbs -1521 lbs	20-21 0.32 2367 lbs -1522 lbs	24-38 0.09 -453 lbs -453 lbs
4-21 0.77 6017 lbs -4625 lbs	20-41 0.67 -2004 lbs -2004 lbs	23-24 0.02 222 lbs -92 lbs	19-40 0.04 -255 lbs -255 lbs
21-42 0.76 6021 lbs -4628 lbs	22-41 0.53 -2004 lbs -2004 lbs	25-26 0.05 606 lbs -469 lbs	4-20 0.55 -2391 lbs -2391 lbs
5-42 0.76 6021 lbs -4628 lbs	22-33 0.32 -1454 lbs -1454 lbs	27-28 0.12 -1358 lbs -1358 lbs	
7-8 0.22 469 lbs -253 lbs	33-34 0.37 -1325 lbs -1325 lbs	12-29 0.26 -3254 lbs -3254 lbs	
9-37 0.46 4437 lbs -3836 lbs	34-35 0.71 950 lbs -872 lbs	2-10 0.00 81 lbs -49 lbs	
24-37 0.58 4494 lbs -4126 lbs	35-38 0.71 668 lbs -393 lbs	30-33 0.07 1122 lbs -263 lbs	
24-26 0.47 4452 lbs -4231 lbs	23-38 0.18 364 lbs -139 lbs	31-34 0.16 1270 lbs -624 lbs	
26-28 0.59 4303 lbs -4229 lbs	23-25 0.16 364 lbs -221 lbs	32-35 0.31 1769 lbs -1188 lbs	
28-29 0.82 -3897 lbs -3897 lbs	25-27 0.39 815 lbs -290 lbs	22-36 0.32 1231 lbs -908 lbs	
10-29 0.83 -1362 lbs -1362 lbs	12-27 0.70 3462 lbs -3254 lbs	37-38 0.06 443 lbs -225 lbs	
5-6 0.74 5988 lbs -4603 lbs	2-12 0.52 3462 lbs -3254 lbs	41-42 0.25 1455 lbs -1154 lbs	
6-7 0.32 772 lbs -504 lbs		39-40 0.03 229 lbs -139 lbs	
6-36 0.58 5348 lbs -3988 lbs		22-30 0.28 -495 lbs -495 lbs	
8-36 0.65 5792 lbs -4345 lbs		5-22 0.20 1432 lbs -791 lbs	
8-30 0.46 5792 lbs -4535 lbs		21-41 0.38 -1660 lbs -1660 lbs	
30-31 0.76 5665 lbs -4535 lbs		31-33 0.36 -1183 lbs -1183 lbs	
31-32 0.64 5211 lbs -4386 lbs		13-14 0.31 -3466 lbs -3466 lbs	
9-32 0.64 4733 lbs -4104 lbs		15-16 0.12 -1198 lbs -1198 lbs	
		17-18 0.07 -534 lbs -534 lbs	

TRUSS T17 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (37 - 6)	TL(V): 0.1 in.	L / 359	(37-6)	L / 240
BC : 0.45 (34 - 35)	LL(V): 0.05 in.	L / 732	(37-6)	L / 360
Web : 0.78 (34 - 37)	DL(V): 0.05 in.	L / 705	(37-6)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: -0.02 in.		41	
	Web :			
	Snow/Wind -0.15 in.	L / 382	(37-6)	L / 360
	Cant (Snow/Wind) 0.01 in.	L / 760	(3-11)	L / 360

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
9	Pin			3060 lbs	0 lbs	-2890 lbs	-3230 lbs
10	Pin		-3190 lbs	3060 lbs	0 lbs	-2620 lbs	-3190 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
6-10-9	39-9-8

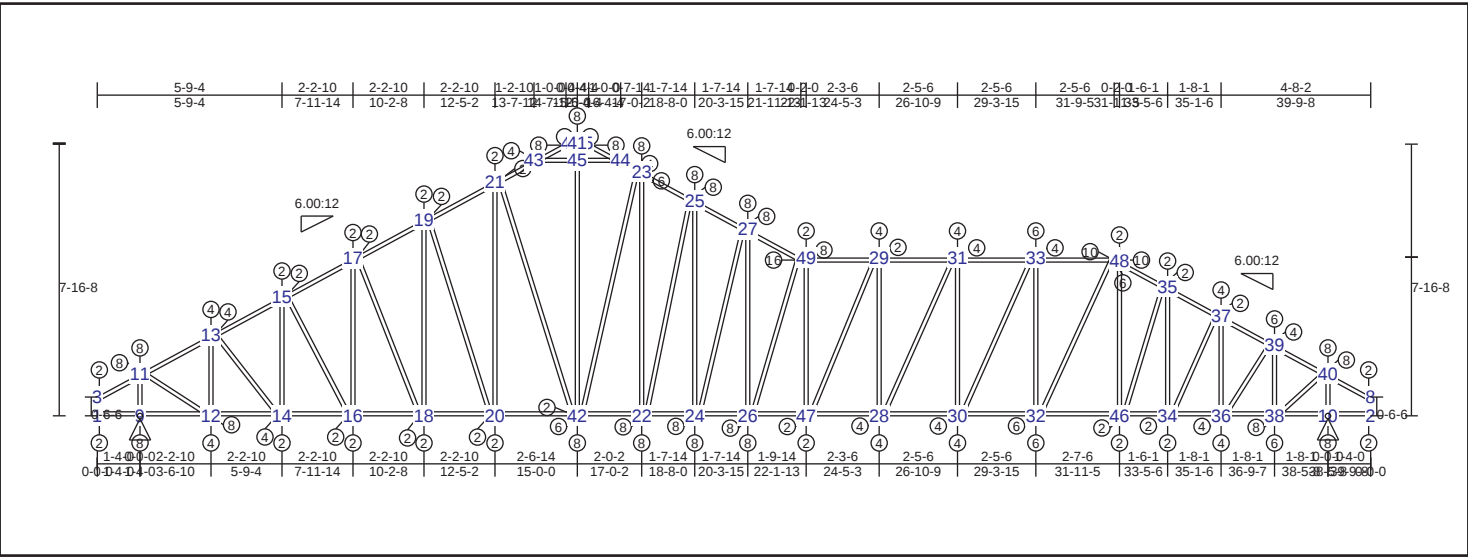
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
3-11	0.85	1360 lbs	-1310 lbs	1-9	0.52	3234 lbs	-3186 lbs	1-3	0.00	81 lbs	-55 lbs	30-32	0.22	3089 lbs	-2545 lbs
11-13	0.77	3867 lbs	-3786 lbs	9-12	0.72	3234 lbs	-3186 lbs	9-11	0.25	-3138 lbs	-3138 lbs	21-35	0.18	-837 lbs	-837 lbs
13-15	0.59	4385 lbs	-4042 lbs	12-14	0.40	493 lbs	-249 lbs	12-13	0.11	1293 lbs	-1234 lbs	27-36	0.03	248 lbs	-199 lbs
15-17	0.47	4513 lbs	-4042 lbs	14-16	0.18	252 lbs	-169 lbs	14-15	0.05	571 lbs	-372 lbs	7-24	0.38	-1704 lbs	-1704 lbs
17-39	0.59	4557 lbs	-3882 lbs	16-33	0.29	247 lbs	-139 lbs	16-17	0.02	198 lbs	-89 lbs	6-34	0.60	3020 lbs	-2696 lbs
4-39	0.46	4504 lbs	-3554 lbs	18-33	0.60	-529 lbs	-529 lbs	18-19	0.11	844 lbs	-370 lbs	5-18	0.22	972 lbs	-712 lbs
6-40	0.42	5487 lbs	-4920 lbs	18-34	0.79	-820 lbs	-820 lbs	20-21	0.12	1149 lbs	-599 lbs	4-18	0.55	-1743 lbs	-1743 lbs
21-40	0.56	5487 lbs	-4920 lbs	34-35	0.45	-1956 lbs	-1956 lbs	22-23	0.19	1300 lbs	-969 lbs	17-33	0.12	-553 lbs	-553 lbs
21-23	0.56	5201 lbs	-4834 lbs	20-35	0.45	-1956 lbs	-1956 lbs	24-25	0.28	1694 lbs	-1454 lbs				
23-25	0.63	4783 lbs	-4574 lbs	20-22	0.45	-1670 lbs	-1670 lbs	26-27	0.02	315 lbs	-178 lbs				
7-25	0.63	4273 lbs	-4145 lbs	22-24	0.59	-1252 lbs	-1252 lbs	28-29	0.07	693 lbs	-671 lbs				
7-41	0.38	3983 lbs	-3856 lbs	24-36	0.59	807 lbs	-742 lbs	30-31	0.14	-1558 lbs	-1558 lbs				
27-41	0.45	-4009 lbs	-4009 lbs	26-36	0.10	266 lbs	-145 lbs	10-32	0.25	-3143 lbs	-3143 lbs				
27-29	0.43	-4007 lbs	-4007 lbs	26-28	0.18	266 lbs	-188 lbs	2-8	0.00	66 lbs	-26 lbs				
29-31	0.52	-3998 lbs	-3998 lbs	28-30	0.46	607 lbs	-551 lbs	35-40	0.03	638 lbs	-25 lbs				
31-32	0.82	-3556 lbs	-3556 lbs	10-30	0.57	-3186 lbs	-3186 lbs	34-37	0.78	-2787 lbs	-2787 lbs				
8-32	0.77	-1319 lbs	-1319 lbs	2-10	0.46	-3186 lbs	-3186 lbs	33-39	0.07	507 lbs	-233 lbs				
4-19	0.61	4680 lbs	-3733 lbs					36-41	0.03	200 lbs	-164 lbs				
5-19	0.44	4971 lbs	-3946 lbs					11-12	0.29	3244 lbs	-3008 lbs				
5-37	0.61	4107 lbs	-3291 lbs					13-14	0.09	-753 lbs	-753 lbs				
6-37	0.56	5352 lbs	-4561 lbs					15-16	0.03	-195 lbs	-195 lbs				
								20-23	0.25	-1138 lbs	-1138 lbs				
								22-25	0.31	-1389 lbs	-1389 lbs				
								26-29	0.04	-360 lbs	-360 lbs				
								28-31	0.09	1031 lbs	-900 lbs				

TRUSS T18 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 - 41)	TL(V): 0.06 in.	L / 999	(5-44)	L / 240
BC : 0.83 (22 - 24)	LL(V): 0.03 in.	L / 999	(5-44)	L / 360
Web : 0.94 (45 - 41)	DL(V): 0.03 in.	L / 999	(5-44)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: -0.03 in.		7	
	Web :			
	Snow/Wind -0.05 in.	L / 999	(5-44)	L / 360
	Cant (Snow/Wind) 0.01 in.	L / 380	(40-8)	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
9	Pin		3490 lbs	3070 lbs	0 lbs	-2210 lbs	3490 lbs
10	Pin		-3490 lbs	3060 lbs	0 lbs	-2270 lbs	-3490 lbs

Materials

Type	Material	Bracing
Top Chd	350S150-54(50)	Sheathing
Bot Chd	350S150-54(50)	Purlin (96 in.)
Web	350S150-54(50)	Unbraced

Truss Dimensions

Max Height	Max Width
7'-16-9	39'-9-8

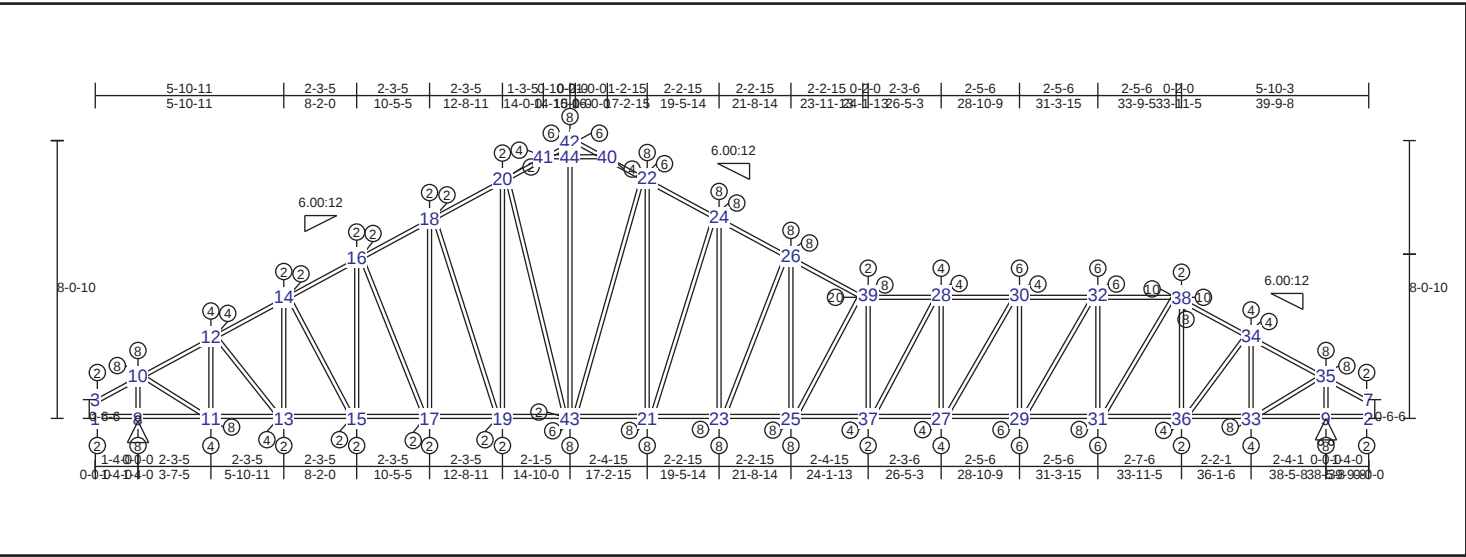
Material Design **Pass**

Member Forces Summary

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

Top Chord		Bot Chord		Web		Web									
3-11	0.77	-1325 lbs	-1325 lbs	1-9	0.51	-3494 lbs	-3494 lbs	1-3	0.00	68 lbs	-16 lbs	43-45	0.25	965 lbs	-942 lbs
11-13	0.82	-3597 lbs	-3597 lbs	9-12	0.62	-3494 lbs	-3494 lbs	9-11	0.25	-3158 lbs	-3158 lbs	44-45	0.25	965 lbs	-942 lbs
13-15	0.53	-4029 lbs	-4029 lbs	12-14	0.45	-818 lbs	-818 lbs	12-13	0.14	-1539 lbs	-1539 lbs	47-49	0.05	425 lbs	-381 lbs
15-17	0.44	-4038 lbs	-4038 lbs	14-16	0.17	260 lbs	-182 lbs	14-15	0.07	-647 lbs	-647 lbs	46-48	0.03	-203 lbs	-203 lbs
17-19	0.40	-4027 lbs	-4027 lbs	16-18	0.10	203 lbs	-101 lbs	16-17	0.02	203 lbs	-172 lbs	11-12	0.18	3118 lbs	-2058 lbs
19-21	0.50	-3898 lbs	-3898 lbs	18-20	0.19	327 lbs	-270 lbs	18-19	0.03	268 lbs	-141 lbs	13-14	0.07	1012 lbs	-671 lbs
21-43	0.49	-3644 lbs	-3644 lbs	20-42	0.63	448 lbs	-440 lbs	20-21	0.07	527 lbs	-243 lbs	15-16	0.02	289 lbs	-187 lbs
4-43	0.53	-3644 lbs	-3644 lbs	22-42	0.74	448 lbs	-440 lbs	22-23	0.68	2782 lbs	-2242 lbs	17-18	0.03	189 lbs	-167 lbs
4-41	0.92	-2455 lbs	-2455 lbs	22-24	0.83	750 lbs	-527 lbs	24-25	0.54	2834 lbs	-2292 lbs	19-20	0.13	-561 lbs	-561 lbs
5-41	0.92	-2455 lbs	-2455 lbs	24-26	0.80	1463 lbs	-1121 lbs	26-27	0.41	2925 lbs	-2289 lbs	6-26	0.43	-2831 lbs	-2831 lbs
5-44	0.62	-3634 lbs	-3634 lbs	26-47	0.79	2318 lbs	-1811 lbs	28-29	0.13	-942 lbs	-942 lbs	28-31	0.15	1126 lbs	-924 lbs
23-44	0.72	-3634 lbs	-3634 lbs	28-47	0.37	2318 lbs	-1811 lbs	30-31	0.19	-1330 lbs	-1330 lbs	30-33	0.19	1610 lbs	-1175 lbs
23-25	0.77	-4441 lbs	-4441 lbs	28-30	0.37	2048 lbs	-1582 lbs	32-33	0.25	-1812 lbs	-1812 lbs	7-32	0.25	2044 lbs	-1515 lbs
25-27	0.82	-5073 lbs	-5073 lbs	30-32	0.55	1558 lbs	-1180 lbs	34-35	0.06	-506 lbs	-506 lbs	34-37	0.05	657 lbs	-443 lbs
6-27	0.91	-5840 lbs	-5840 lbs	32-46	0.55	857 lbs	-668 lbs	36-37	0.10	-1000 lbs	-1000 lbs	36-39	0.09	1382 lbs	-961 lbs
6-49	0.53	-5933 lbs	-5933 lbs	34-46	0.14	-163 lbs	-163 lbs	38-39	0.16	-1931 lbs	-1931 lbs	38-40	0.17	3008 lbs	-2058 lbs
29-49	0.65	-5933 lbs	-5933 lbs	34-36	0.27	-409 lbs	-409 lbs	10-40	0.25	-3170 lbs	-3170 lbs	23-42	0.75	-2295 lbs	-2295 lbs
29-31	0.66	-5664 lbs	-5664 lbs	36-38	0.57	-1191 lbs	-1191 lbs	2-8	0.00	55 lbs	-10 lbs	21-42	0.17	-530 lbs	-530 lbs
31-33	0.70	-5174 lbs	-5174 lbs	10-38	0.57	-3494 lbs	-3494 lbs	42-45	0.70	2654 lbs	-2053 lbs	35-46	0.01	263 lbs	-78 lbs
7-33	0.70	-4473 lbs	-4473 lbs	2-10	0.47	-3494 lbs	-3494 lbs	41-45	0.94	2654 lbs	-2053 lbs	29-47	0.09	662 lbs	-562 lbs
7-48	0.33	-4020 lbs	-4020 lbs									24-27	0.57	-2892 lbs	-2892 lbs
35-48	0.38	-4033 lbs	-4033 lbs									22-25	0.73	-2889 lbs	-2889 lbs
35-37	0.41	-4033 lbs	-4033 lbs												
37-39	0.48	-3887 lbs	-3887 lbs												
39-40	0.87	-3322 lbs	-3322 lbs												
8-40	0.76	-1335 lbs	-1335 lbs												

TRUSS T19 (spacing 24 in)



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

Max CSI Summary	Deflection	L / (Loc)	Max. Allowed
TC : 0.86 (22 - 24)	TL(V): 0.13 in.	L / 958 (22-24)	L / 240
BC : 0.89 (23 - 25)	LL(V): 0.06 in.	L / 999 (22-24)	L / 360
Web : 0.95 (43 - 44)	DL(V): 0.07 in.	L / 999 (22-24)	L / 0
	Cant / OH TL: 0.01 in.	2L / 280	2L / 240
	Cant / OH LL: 0.01 in.	2L / 280	2L / 240
	Horiz TL: 0.06 in.	41	
	Web :		
	Snow/Wind -0.09 in.	L / 437 (22-24)	L / 360
	Cant (Snow/Wind) -0.02 in.	L / 380	L / 360

Reaction Table						
P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift
8	Pin	-280 lbs	3080 lbs	0 lbs	-2020 lbs	-280 lbs
9	HRoll	0 lbs	3060 lbs	0 lbs	-2210 lbs	0 lbs

Materials			Material Exceptions		
Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions		
Max Height	Max Width	
8'-0"-6"	39'-9"-8"	

Material Design Pass

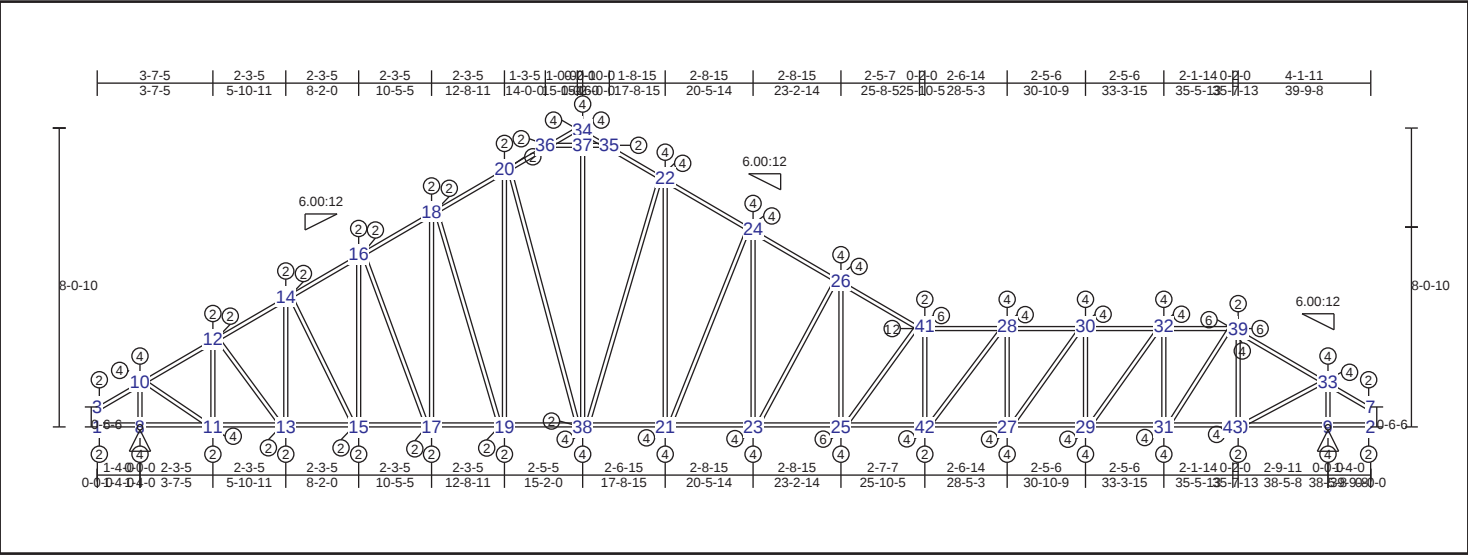
Member Forces Summary

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

Top Chord			Bot Chord			Web		
3-10	0.77	-1324 lbs	-1324 lbs	1-8	0.15	277 lbs	-277 lbs	
10-12	0.82	-3622 lbs	-3622 lbs	8-11	0.44	2710 lbs	-1460 lbs	
12-14	0.53	-4041 lbs	-4041 lbs	11-13	0.44	3351 lbs	-1823 lbs	
14-16	0.44	-4049 lbs	-4049 lbs	13-15	0.26	3480 lbs	-1875 lbs	
16-18	0.41	-4025 lbs	-4025 lbs	15-17	0.26	3480 lbs	-1875 lbs	
18-20	0.45	-3875 lbs	-3875 lbs	17-19	0.32	3410 lbs	-1810 lbs	
20-41	0.45	-3698 lbs	-3698 lbs	19-43	0.64	3232 lbs	-1677 lbs	
41-42	0.45	-3698 lbs	-3698 lbs	21-43	0.71	3706 lbs	-2044 lbs	
4-42	0.80	-1173 lbs	-1173 lbs	21-23	0.80	4595 lbs	-2728 lbs	
4-40	0.77	-3600 lbs	-3600 lbs	23-25	0.89	5707 lbs	-3604 lbs	
22-40	0.74	-3600 lbs	-3600 lbs	25-37	0.89	7266 lbs	-4790 lbs	
22-24	0.86	-4506 lbs	-4506 lbs	27-37	0.72	7266 lbs	-4790 lbs	
24-26	0.75	-5426 lbs	-5426 lbs	27-29	0.72	6691 lbs	-4416 lbs	
5-26	0.75	-6825 lbs	-6825 lbs	29-31	0.77	5843 lbs	-3825 lbs	
5-39	0.76	-7357 lbs	-7357 lbs	31-36	0.77	4715 lbs	-3091 lbs	
28-39	0.77	-7357 lbs	-7357 lbs	33-36	0.43	3319 lbs	-2144 lbs	
28-30	0.77	-6782 lbs	-6782 lbs	9-33	0.43	2724 lbs	-1822 lbs	
30-32	0.76	-5934 lbs	-5934 lbs	2-9	0.16	0 lbs	0 lbs	
6-32	0.76	-4806 lbs	-4806 lbs					
6-38	0.43	-4029 lbs	-4029 lbs					
34-38	0.52	-4029 lbs	-4029 lbs					
34-35	0.80	-3622 lbs	-3622 lbs					
7-35	0.77	-1315 lbs	-1315 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 = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

TRUSS T20 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (26 - 5)	TL(V): 0.05 in.	L / 999	(4-34)	L / 240
BC : 0.45 (23 - 25)	LL(V): 0.02 in.	L / 999	(4-34)	L / 360
Web : 0.46 (37 - 34)	DL(V): 0.03 in.	L / 999	(4-34)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0	2L / 240
	Cant / OH LL: 0 in.	2L / 999	0	2L / 240
	Horiz TL: 0.02 in.		4	
	Web :			
	Snow/Wind -0.03 in.	L / 999	(4-34)	L / 360
	Cant (Snow/Wind) 0.01 in.	L / 999	7	L / 360

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
8	Pin		2160 lbs	1540 lbs	0 lbs	-1000 lbs	2160 lbs
9	Pin		-2160 lbs	1530 lbs	0 lbs	-1250 lbs	-2160 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
8-0-6	39-9-8

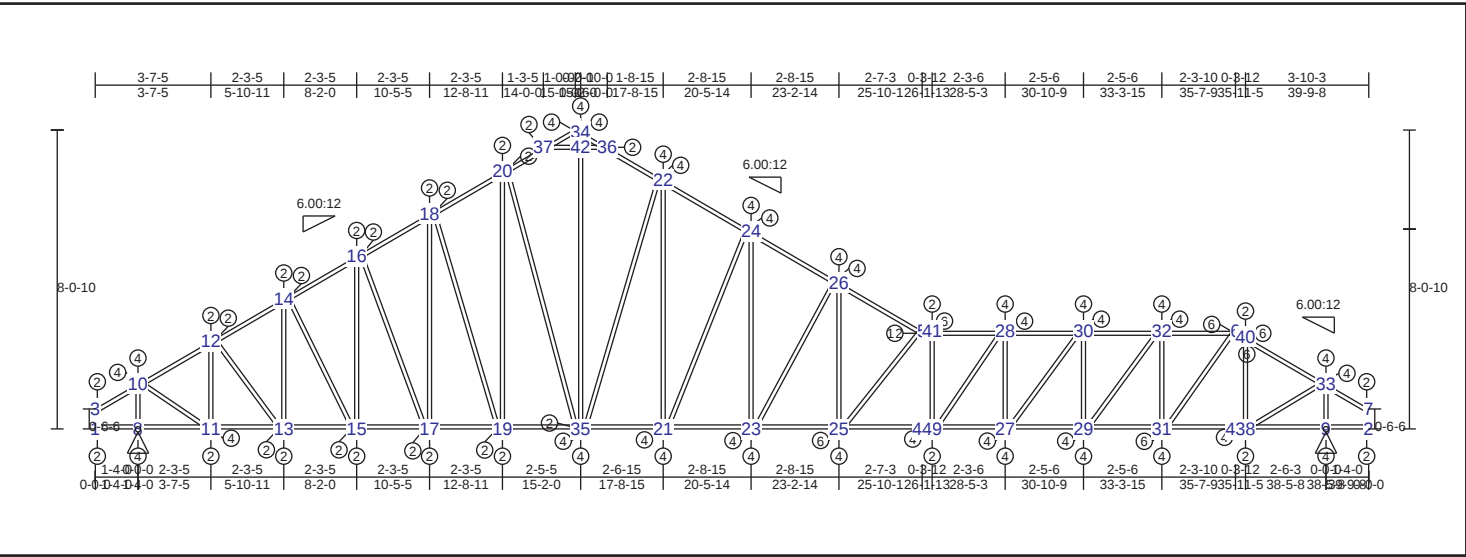
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web	Web
3-10 0.39 -663 lbs -663 lbs	1-8 0.30 -2158 lbs -2158 lbs	1-3 0.00 35 lbs -7 lbs	18-19 0.07 -307 lbs -307 lbs
10-12 0.41 -1813 lbs -1813 lbs	8-11 0.36 -2158 lbs -2158 lbs	8-10 0.13 -1581 lbs -1581 lbs	23-26 0.23 -1549 lbs -1549 lbs
12-14 0.27 -2022 lbs -2022 lbs	11-13 0.22 -800 lbs -800 lbs	11-12 0.07 -754 lbs -754 lbs	27-30 0.08 1113 lbs -753 lbs
14-16 0.22 -2026 lbs -2026 lbs	13-15 0.08 -481 lbs -481 lbs	13-14 0.03 -308 lbs -308 lbs	29-32 0.10 1398 lbs -891 lbs
16-18 0.20 -2014 lbs -2014 lbs	15-17 0.10 449 lbs -449 lbs	15-16 0.01 -71 lbs -71 lbs	21-24 0.29 -1358 lbs -1358 lbs
18-20 0.28 -1943 lbs -1943 lbs	17-19 0.13 -548 lbs -548 lbs	17-18 0.02 150 lbs -79 lbs	22-28 0.39 -1271 lbs -1271 lbs
20-36 0.31 -1810 lbs -1810 lbs	19-38 0.35 -617 lbs -617 lbs	19-20 0.05 279 lbs -156 lbs	20-38 0.08 -238 lbs -238 lbs
4-36 0.34 -1810 lbs -1810 lbs	21-38 0.38 -617 lbs -617 lbs	21-22 0.24 1272 lbs -897 lbs	5-25 0.21 -1925 lbs -1925 lbs
6-39 0.28 -1900 lbs -1900 lbs	21-23 0.38 369 lbs -209 lbs	23-24 0.17 1330 lbs -969 lbs	33-40 0.10 1609 lbs -1049 lbs
33-39 0.44 -1900 lbs -1900 lbs	23-25 0.45 1195 lbs -804 lbs	25-26 0.13 1566 lbs -1115 lbs	28-42 0.06 875 lbs -556 lbs
7-33 0.44 -651 lbs -651 lbs	25-42 0.45 2439 lbs -1736 lbs	27-28 0.08 -821 lbs -821 lbs	6-31 0.11 1590 lbs -1071 lbs
5-41 0.50 -4630 lbs -4630 lbs	27-42 0.31 2439 lbs -1736 lbs	29-30 0.09 -1016 lbs -1016 lbs	
28-41 0.50 -4630 lbs -4630 lbs	27-29 0.30 1861 lbs -1369 lbs	31-32 0.12 -1255 lbs -1255 lbs	
28-30 0.46 -4051 lbs -4051 lbs	29-31 0.37 1149 lbs -888 lbs	9-33 0.12 -1560 lbs -1560 lbs	
30-32 0.43 -3339 lbs -3339 lbs	31-40 0.37 -694 lbs -694 lbs	2-7 0.00 -47 lbs -47 lbs	
6-32 0.41 -2445 lbs -2445 lbs	9-40 0.37 -2158 lbs -2158 lbs	36-37 0.18 -679 lbs -679 lbs	
4-34 0.40 -615 lbs -615 lbs	2-9 0.30 -2158 lbs -2158 lbs	35-37 0.18 -679 lbs -679 lbs	
34-35 0.52 -1883 lbs -1883 lbs		37-38 0.38 1413 lbs -1028 lbs	
22-35 0.37 -1883 lbs -1883 lbs		34-37 0.46 1413 lbs -1028 lbs	
22-24 0.44 -2343 lbs -2343 lbs		39-40 0.06 -666 lbs -666 lbs	
24-26 0.51 -3115 lbs -3115 lbs		41-42 0.05 -535 lbs -535 lbs	
5-26 0.60 -4323 lbs -4323 lbs		10-11 0.08 1569 lbs -912 lbs	
		12-13 0.03 490 lbs -273 lbs	
		14-15 0.01 128 lbs -48 lbs	
		16-17 0.02 105 lbs -97 lbs	

TRUSS T21 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (5 - 41)	TL(V): 0.05 in.	L / 999 (4-34)	L / 240
BC :	0.54 (23 - 25)	LL(V): 0.02 in.	L / 999 (4-34)	L / 360
Web :	0.46 (42 - 34)	DL(V): 0.03 in.	L / 999 (4-34)	L / 0
		Cant / OH TL: 0 in.	2L / 999	0
		Cant / OH LL: 0 in.	2L / 999	0
		Horiz TL: 0.02 in.		4
		Web :		
		Snow/Wind -0.04 in.	L / 999 (4-34)	L / 360
		Cant (Snow/Wind) 0.01 in.	L / 999	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
8	Pin		2200 lbs	1540 lbs	0 lbs	-1000 lbs	2200 lbs
9	Pin		-2200 lbs	1530 lbs	0 lbs	-1260 lbs	-2200 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
8-0-6	39-9-8

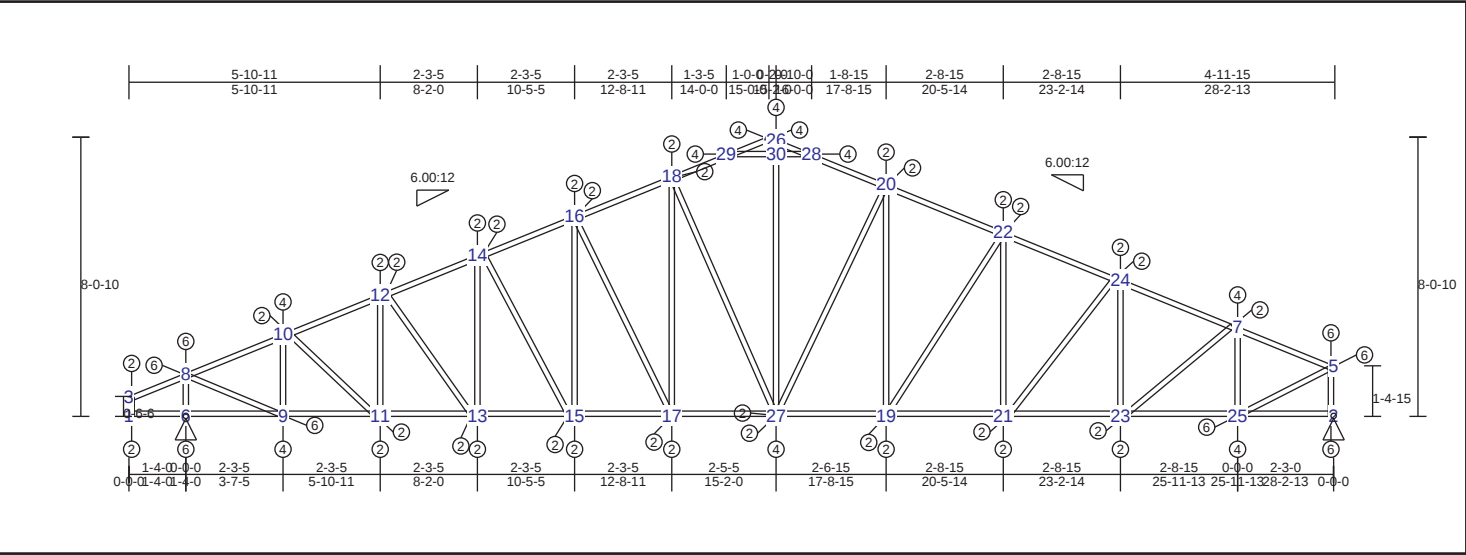
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
4-34	0.40	-615 lbs	-615 lbs	1-8	0.31	-2199 lbs	-2199 lbs	8-10	0.13	-1581 lbs	-1581 lbs	18-19	0.07	-307 lbs	-307 lbs
34-36	0.52	-1884 lbs	-1884 lbs	8-11	0.36	-2199 lbs	-2199 lbs	11-12	0.07	-754 lbs	-754 lbs	23-26	0.23	-1551 lbs	-1551 lbs
22-36	0.37	-1884 lbs	-1884 lbs	11-13	0.22	-841 lbs	-841 lbs	13-14	0.03	-308 lbs	-308 lbs	27-30	0.08	1106 lbs	-746 lbs
22-24	0.44	-2343 lbs	-2343 lbs	13-15	0.08	-521 lbs	-521 lbs	15-16	0.01	-71 lbs	-71 lbs	29-32	0.10	1425 lbs	-906 lbs
24-26	0.52	-3116 lbs	-3116 lbs	15-17	0.10	-490 lbs	-490 lbs	17-18	0.02	150 lbs	-79 lbs	21-24	0.29	-1358 lbs	-1358 lbs
5-26	0.61	-4425 lbs	-4425 lbs	17-19	0.14	-589 lbs	-589 lbs	19-20	0.05	279 lbs	-156 lbs	33-38	0.10	1622 lbs	-1056 lbs
5-41	0.63	-4738 lbs	-4738 lbs	19-35	0.35	-658 lbs	-658 lbs	21-22	0.24	1272 lbs	-894 lbs	28-39	0.06	935 lbs	-594 lbs
28-41	0.63	-4738 lbs	-4738 lbs	21-35	0.38	-658 lbs	-658 lbs	23-24	0.17	1333 lbs	-969 lbs	22-35	0.39	-1271 lbs	-1271 lbs
28-30	0.45	-4158 lbs	-4158 lbs	21-23	0.38	329 lbs	-246 lbs	25-26	0.13	1554 lbs	-1102 lbs	20-35	0.08	-238 lbs	-238 lbs
30-32	0.45	-3438 lbs	-3438 lbs	23-25	0.54	1155 lbs	-771 lbs	27-28	0.08	-832 lbs	-832 lbs	6-31	0.12	1634 lbs	-1099 lbs
6-32	0.41	-2511 lbs	-2511 lbs	25-39	0.54	2507 lbs	-1785 lbs	29-30	0.09	-1013 lbs	-1013 lbs	5-25	0.22	-1986 lbs	-1986 lbs
3-10	0.39	-663 lbs	-663 lbs	27-39	0.35	2507 lbs	-1785 lbs	31-32	0.12	-1259 lbs	-1259 lbs				
10-12	0.41	-1814 lbs	-1814 lbs	27-29	0.30	1928 lbs	-1417 lbs	9-33	0.12	-1555 lbs	-1555 lbs				
12-14	0.27	-2022 lbs	-2022 lbs	29-31	0.39	1208 lbs	-931 lbs	38-40	0.06	-724 lbs	-724 lbs				
14-16	0.22	-2026 lbs	-2026 lbs	31-38	0.39	-758 lbs	-758 lbs	39-41	0.05	-594 lbs	-594 lbs				
16-18	0.20	-2014 lbs	-2014 lbs	9-38	0.40	-2199 lbs	-2199 lbs	37-42	0.18	-679 lbs	-679 lbs				
18-20	0.28	-1944 lbs	-1944 lbs	2-9	0.28	-2199 lbs	-2199 lbs	36-42	0.18	-679 lbs	-679 lbs				
20-37	0.31	-1810 lbs	-1810 lbs					35-42	0.37	1413 lbs	-1026 lbs				
4-37	0.34	-1810 lbs	-1810 lbs					34-42	0.46	1413 lbs	-1026 lbs				
6-40	0.43	-1880 lbs	-1880 lbs					1-3	0.00	35 lbs	-7 lbs				
33-40	0.47	-1880 lbs	-1880 lbs					2-7	0.00	-34 lbs	-34 lbs				
7-33	0.41	-654 lbs	-654 lbs					10-11	0.08	1569 lbs	-910 lbs				
								12-13	0.03	490 lbs	-272 lbs				
								14-15	0.01	128 lbs	-48 lbs				
								16-17	0.02	105 lbs	-97 lbs				

TRUSS T22 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (3 - 8)	TL(V): 0.01 in.	L / 999 (14-16)	L / 240
BC : 0.31 (25 - 2)	LL(V): 0.01 in.	L / 999 (14-16)	L / 360
Web : 0.64 (30 - 26)	DL(V): 0.01 in.	L / 999 (14-16)	L / 0
	Cant / OH TL: 0 in.	2L / 999 0	2L / 240
	Cant / OH LL: 0 in.	2L / 999 0	2L / 240
	Horiz TL: 0.01 in.	14	
	Web :		
	Snow/Wind -0.01 in.	L / 999 (14-16)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999 0	L / 360

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
2	Pin		-1750 lbs	2090 lbs	0 lbs	-1320 lbs	-1750 lbs
6	Pin		1720 lbs	2290 lbs	0 lbs	-1650 lbs	1720 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
8'-0"-13'	28'-3"-3"

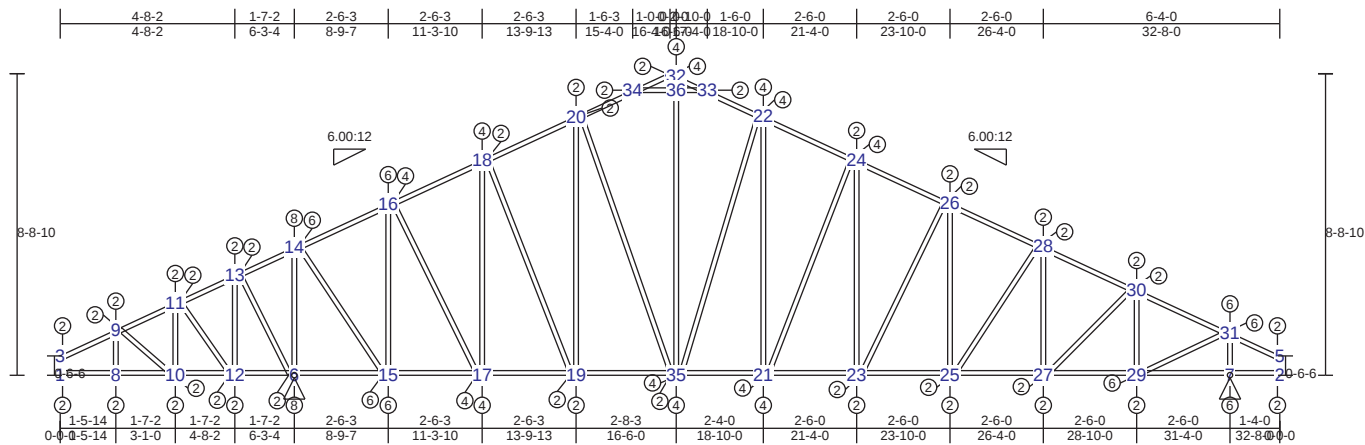
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
3-8	0.65	-2195 lbs	-2195 lbs	1-6	0.29	-1724 lbs	-1724 lbs	1-3	0.00	94 lbs	-15 lbs	21-24	0.01	161 lbs	-73 lbs
8-10	0.59	-2524 lbs	-2524 lbs	6-9	0.29	-1724 lbs	-1724 lbs	9-10	0.08	-952 lbs	-952 lbs	7-23	0.05	637 lbs	-432 lbs
10-12	0.36	-2734 lbs	-2734 lbs	9-11	0.27	564 lbs	-508 lbs	11-12	0.04	-357 lbs	-357 lbs				
12-14	0.34	-2734 lbs	-2734 lbs	11-13	0.10	564 lbs	-508 lbs	13-14	0.02	-134 lbs	-134 lbs				
14-16	0.33	-2605 lbs	-2605 lbs	13-15	0.11	560 lbs	-449 lbs	15-16	0.08	395 lbs	-367 lbs				
16-18	0.34	2469 lbs	-2396 lbs	15-17	0.16	426 lbs	-292 lbs	17-18	0.17	641 lbs	-599 lbs				
18-29	0.36	2287 lbs	-2092 lbs	17-27	0.19	209 lbs	-105 lbs	19-20	0.12	475 lbs	-429 lbs				
4-29	0.43	2287 lbs	-2092 lbs	19-27	0.19	224 lbs	-105 lbs	21-22	0.02	155 lbs	-142 lbs				
4-26	0.39	640 lbs	-605 lbs	19-21	0.12	427 lbs	-309 lbs	23-24	0.04	-352 lbs	-352 lbs				
26-28	0.52	2331 lbs	-2158 lbs	21-23	0.10	448 lbs	-383 lbs	7-25	0.10	-1047 lbs	-1047 lbs				
20-28	0.24	2331 lbs	-2158 lbs	23-25	0.28	448 lbs	-383 lbs	6-8	0.17	-2209 lbs	-2209 lbs				
20-22	0.32	2452 lbs	-2420 lbs	2-25	0.31	-1751 lbs	-1751 lbs	2-5	0.17	-2083 lbs	-2083 lbs				
22-24	0.36	-2608 lbs	-2608 lbs					29-30	0.20	1213 lbs	-952 lbs				
7-24	0.59	-2608 lbs	-2608 lbs					28-30	0.20	1213 lbs	-952 lbs				
5-7	0.43	-2374 lbs	-2374 lbs					27-30	0.53	-1410 lbs	-1410 lbs				
								26-30	0.64	-1410 lbs	-1410 lbs				
								18-27	0.22	715 lbs	-667 lbs				
								20-27	0.22	784 lbs	-721 lbs				
								16-17	0.15	678 lbs	-648 lbs				
								19-22	0.10	488 lbs	-452 lbs				
								5-25	0.17	2075 lbs	-1846 lbs				
								8-9	0.15	2125 lbs	-1656 lbs				
								10-11	0.04	608 lbs	-438 lbs				
								12-13	0.01	152 lbs	-60 lbs				
								14-15	0.06	397 lbs	-355 lbs				

TRUSS T23 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (13 - 14)	TL(V): 0.01 in.	L / 999	3	L / 240
BC : 0.55 (6 - 15)	LL(V): 0.01 in.	L / 999	3	L / 360
Web : 0.49 (35 - 36)	DL(V): 0.01 in.	L / 999	3	L / 0
	Cant / OH TL: 0.01 in.	2L / 280	3	2L / 240
	Cant / OH LL: 0.01 in.	2L / 280	3	2L / 240
	Horiz TL: 0.01 in.		3	
	Web :			
	Snow/Wind -0.01 in.	L / 999	(14-16)	L / 360
	Cant (Snow/Wind) -0.01 in.	L / 999	3	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table							
P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
6	Pin		990 lbs	3030 lbs	0 lbs	-1850 lbs	990 lbs
7	Pin		-990 lbs	2030 lbs	0 lbs	-1240 lbs	-990 lbs

Materials						
Type	Material	Bracing	Section	Material	Bracing	
Top Chd	350S150-54(50)	Sheathing				
Bot Chd	350S150-54(50)	Purlin (96 in.)				
Web	350S150-54(50)	Unbraced				

Truss Dimensions	
Max Height	Max Width
8-8-6	32-8-0

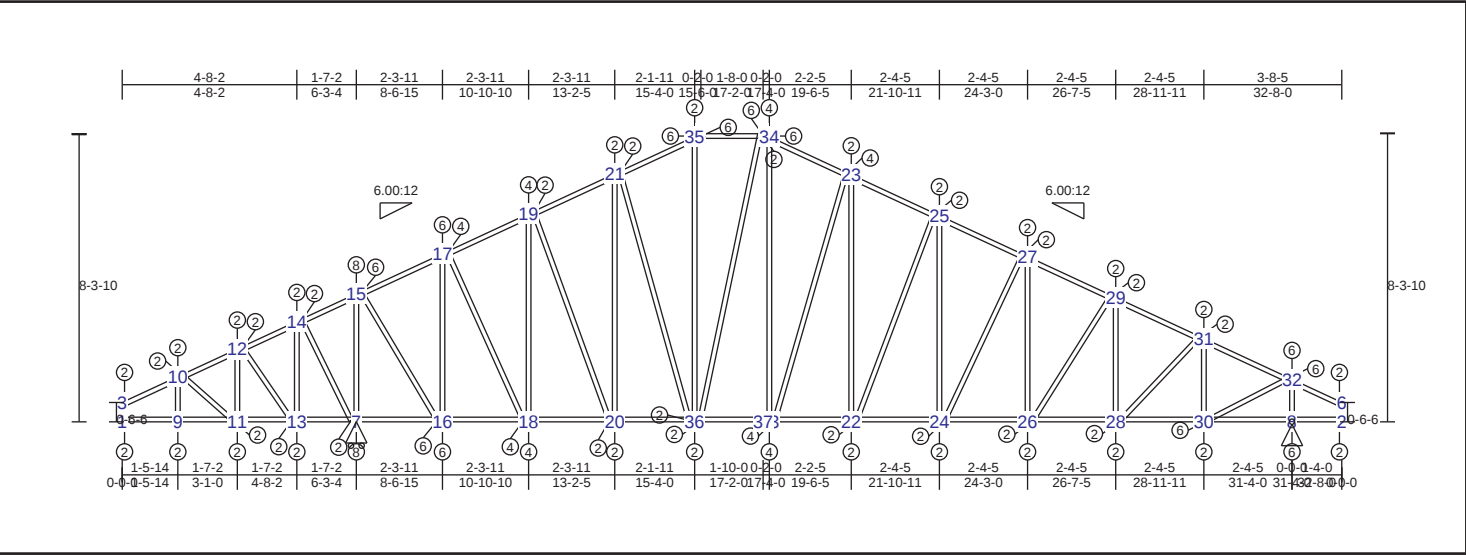
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web	Web
3-9 0.26 135 lbs -21 lbs	1-8 0.23 0 lbs 0 lbs	1-3 0.00 82 lbs -48 lbs	20-35 0.02 274 lbs -57 lbs
9-11 0.36 548 lbs -314 lbs	8-10 0.23 419 lbs -389 lbs	8-9 0.01 195 lbs -123 lbs	22-35 0.39 -1065 lbs -1065 lbs
11-13 0.15 876 lbs -488 lbs	10-12 0.12 -651 lbs -651 lbs	10-11 0.02 353 lbs -288 lbs	21-24 0.23 -849 lbs -849 lbs
13-14 0.71 926 lbs -488 lbs	6-12 0.27 -1818 lbs -1818 lbs	12-13 0.03 461 lbs -327 lbs	23-26 0.10 -533 lbs -533 lbs
14-16 0.62 -1160 lbs -1160 lbs	6-15 0.55 -1818 lbs -1818 lbs	6-14 0.30 -2672 lbs -2672 lbs	25-28 0.03 205 lbs -200 lbs
16-18 0.43 -1457 lbs -1457 lbs	15-17 0.55 -698 lbs -698 lbs	15-16 0.28 -1813 lbs -1813 lbs	27-30 0.02 366 lbs -111 lbs
18-20 0.32 -1490 lbs -1490 lbs	17-19 0.27 187 lbs -177 lbs	17-18 0.24 -1006 lbs -1006 lbs	29-31 0.10 1912 lbs -920 lbs
20-34 0.21 -1490 lbs -1490 lbs	19-35 0.32 185 lbs -41 lbs	19-20 0.15 -455 lbs -455 lbs	
4-34 0.25 -1455 lbs -1455 lbs	21-35 0.31 360 lbs -114 lbs	21-22 0.18 895 lbs -547 lbs	
4-32 0.27 -464 lbs -464 lbs	21-23 0.25 648 lbs -324 lbs	23-24 0.08 577 lbs -339 lbs	
32-33 0.36 -1502 lbs -1502 lbs	23-25 0.16 867 lbs -496 lbs	25-26 0.02 259 lbs -131 lbs	
22-33 0.32 -1502 lbs -1502 lbs	25-27 0.12 958 lbs -603 lbs	27-28 0.02 -159 lbs -159 lbs	
22-24 0.37 -1805 lbs -1805 lbs	27-29 0.23 958 lbs -603 lbs	29-30 0.07 -804 lbs -804 lbs	
24-26 0.33 -2070 lbs -2070 lbs	7-29 0.27 -992 lbs -992 lbs	7-31 0.16 -2028 lbs -2028 lbs	
26-28 0.30 -2284 lbs -2284 lbs	2-7 0.14 -992 lbs -992 lbs	2-5 0.00 32 lbs -3 lbs	
28-30 0.37 -2314 lbs -2314 lbs		35-36 0.49 946 lbs -722 lbs	
30-31 0.46 -2218 lbs -2218 lbs		32-36 0.49 946 lbs -722 lbs	
5-31 0.52 -835 lbs -835 lbs		34-36 0.14 744 lbs -634 lbs	
		33-36 0.14 744 lbs -634 lbs	
		9-10 0.04 573 lbs -533 lbs	
		11-12 0.04 -481 lbs -481 lbs	
		6-13 0.04 -417 lbs -417 lbs	
		14-15 0.16 2135 lbs -1201 lbs	
		16-17 0.13 1269 lbs -677 lbs	
		18-19 0.06 549 lbs -227 lbs	

TRUSS T24 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (14 - 15)	TL(V): 0.01 in.	L / 999	3
BC :	0.56 (7 - 16)	LL(V): 0.01 in.	L / 999	3
Web :	0.38 (33 - 34)	DL(V): 0.01 in.	L / 999	3
		Cant / OH TL: 0.01 in.	2L / 280	3
		Cant / OH LL: 0.01 in.	2L / 280	3
		Horiz TL: -0.01 in.		25
		Web :		
		Snow/Wind -0.02 in.	L / 999	(21-35)
		Cant (Snow/Wind) -0.01 in. / 999	3	L / 360

Load Summary

- 1)This Truss has been designed in accordance with LRFD 2016.
- 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 10.00 psf; BC Live = 5.00 psf; BC Dead = 10.00 psf; TC LiveRoof = 20.00 psf
- 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
- 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
- 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	HRoll		0 lbs	2830 lbs	0 lbs	-2520 lbs	0 lbs
8	Pin		-290 lbs	1900 lbs	0 lbs	-1690 lbs	-290 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
8'-3"-15"	32'-8"-0"

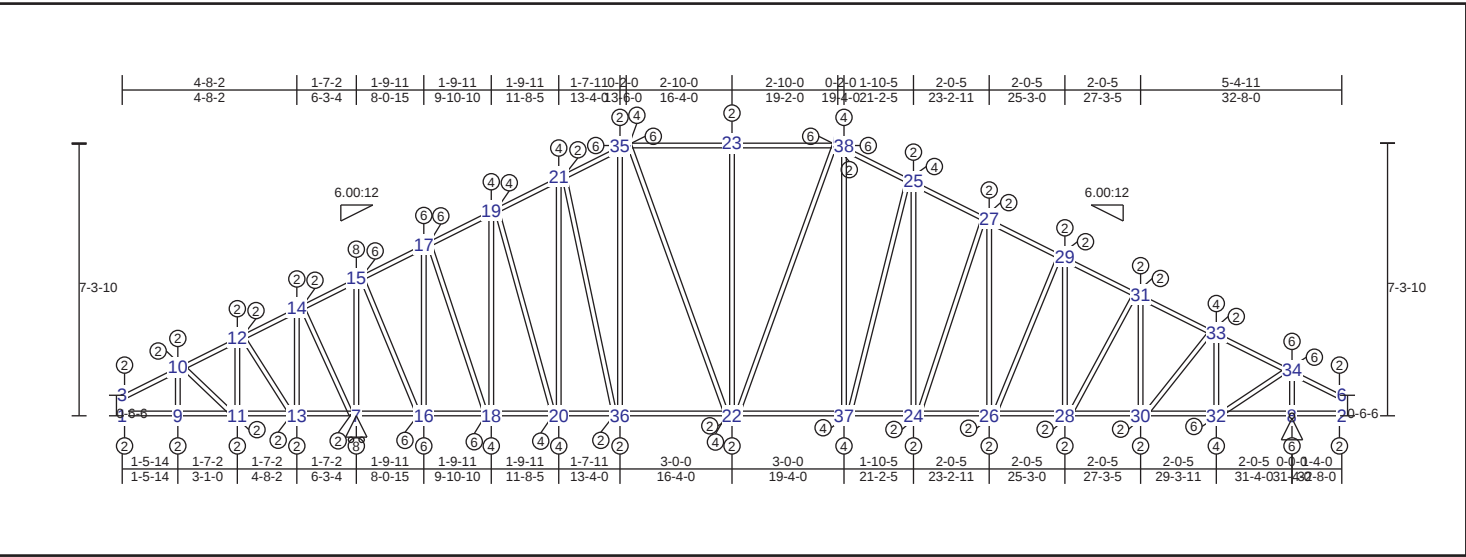
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web
4-5 0.43 1859 lbs -1304 lbs	1-9 0.26 0 lbs 0 lbs	1-3 0.00 85 lbs -48 lbs
3-10 0.28 126 lbs -22 lbs	9-11 0.26 459 lbs -366 lbs	9-10 0.01 181 lbs -155 lbs
10-12 0.40 512 lbs -379 lbs	11-13 0.12 712 lbs -611 lbs	11-12 0.03 -344 lbs -344 lbs
12-14 0.14 818 lbs -591 lbs	7-13 0.14 872 lbs -775 lbs	13-14 0.04 435 lbs -390 lbs
14-15 0.67 862 lbs -591 lbs	7-16 0.56 872 lbs -775 lbs	7-15 0.28 -2507 lbs -2507 lbs
15-17 0.60 1292 lbs -1052 lbs	16-18 0.56 701 lbs -447 lbs	16-17 0.27 -1799 lbs -1799 lbs
17-19 0.43 1695 lbs -1343 lbs	18-20 0.29 914 lbs -653 lbs	18-19 0.23 -1053 lbs -1053 lbs
19-21 0.32 1906 lbs -1417 lbs	20-36 0.19 952 lbs -673 lbs	20-21 0.18 636 lbs -579 lbs
21-35 0.41 1906 lbs -1417 lbs	33-36 0.28 1057 lbs -766 lbs	22-23 0.17 766 lbs -561 lbs
4-35 0.26 1736 lbs -1113 lbs	22-33 0.33 1338 lbs -1031 lbs	24-25 0.07 489 lbs -329 lbs
5-34 0.42 1625 lbs -1000 lbs	22-24 0.24 1573 lbs -1223 lbs	26-27 0.02 196 lbs -121 lbs
23-34 0.57 2043 lbs -1540 lbs	24-26 0.23 1753 lbs -1377 lbs	28-29 0.02 225 lbs -199 lbs
23-25 0.31 2074 lbs -1760 lbs	26-28 0.18 1810 lbs -1430 lbs	30-31 0.07 -810 lbs -810 lbs
25-27 0.30 2131 lbs -1983 lbs	28-30 0.30 1810 lbs -1430 lbs	8-32 0.15 -1908 lbs -1908 lbs
27-29 0.27 -2146 lbs -2146 lbs	8-30 0.30 1548 lbs -1227 lbs	2-6 0.00 30 lbs -3 lbs
29-31 0.34 -2147 lbs -2147 lbs	2-8 0.05 -287 lbs -287 lbs	33-34 0.38 1076 lbs -936 lbs
31-32 0.44 -2052 lbs -2052 lbs		35-36 0.15 475 lbs -376 lbs
6-32 0.53 788 lbs -785 lbs		10-11 0.04 633 lbs -505 lbs
		12-13 0.04 473 lbs -458 lbs
		7-14 0.04 -395 lbs -395 lbs
		15-16 0.23 2028 lbs -1802 lbs
		17-18 0.20 1282 lbs -1162 lbs
		19-20 0.16 666 lbs -643 lbs
		22-25 0.18 -709 lbs -709 lbs
		24-27 0.08 -458 lbs -458 lbs

TRUSS T25 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (14 - 15)	TL(V): 0.02 in.	L / 999	(4-23)	L / 240
BC: 0.67 (7 - 16)	LL(V): 0.01 in.	L / 999	(4-23)	L / 360
Web: 0.31 (16 - 17)	DL(V): 0.01 in.	L / 999	3	L / 0
	Cant / OH TL: 0.01 in.	2L / 280	3	2L / 240
	Cant / OH LL: 0.01 in.	2L / 280	3	2L / 240
	Horiz TL: -0.02 in.		15	
	Web:			
	Snow/Wind -0.02 in.	L / 999	(4-23)	L / 360
	Cant (Snow/Wind) -0.01 in.	L / 999	3	L / 360

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table					Max Horizontal		
P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	HRoll		0 lbs	3020 lbs	0 lbs	-2090 lbs	0 lbs
8	Pin		-250 lbs	2030 lbs	0 lbs	-1400 lbs	-250 lbs

Materials			Material Exceptions		
Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

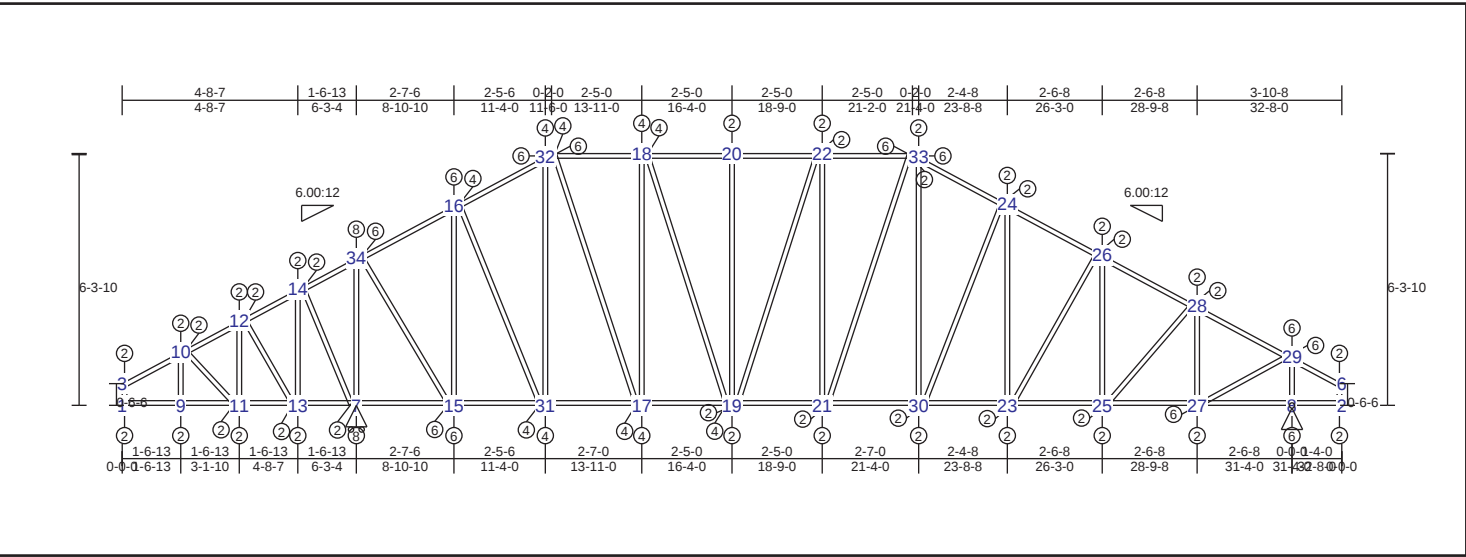
Truss Dimensions	
Max Height	Max Width
7-3-11	32-8-0

Material Design Pass
Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
5-38	0.41	1511 lbs	-1357 lbs	1-9	0.23	0 lbs	0 lbs	1-3	0.00	83 lbs	-49 lbs	5-22	0.11	-308 lbs	-308 lbs
25-38	0.55	-1866 lbs	-1866 lbs	9-11	0.23	419 lbs	-390 lbs	9-10	0.01	198 lbs	-126 lbs	24-27	0.11	-585 lbs	-585 lbs
25-27	0.29	-2034 lbs	-2034 lbs	11-13	0.13	-649 lbs	-649 lbs	11-12	0.03	364 lbs	-300 lbs	26-29	0.05	-333 lbs	-333 lbs
27-29	0.28	-2204 lbs	-2204 lbs	7-13	0.15	-830 lbs	-830 lbs	13-14	0.03	457 lbs	-320 lbs	28-31	0.01	134 lbs	-19 lbs
29-31	0.27	-2296 lbs	-2296 lbs	7-16	0.67	-830 lbs	-830 lbs	7-15	0.30	-2667 lbs	-2667 lbs	30-33	0.03	573 lbs	-322 lbs
31-33	0.33	-2296 lbs	-2296 lbs	16-18	0.67	567 lbs	-156 lbs	16-17	0.31	-2177 lbs	-2177 lbs	32-34	0.10	1851 lbs	-1091 lbs
33-34	0.48	-2114 lbs	-2114 lbs	18-20	0.39	846 lbs	-345 lbs	18-19	0.27	-1444 lbs	-1444 lbs	25-37	0.25	-949 lbs	-949 lbs
6-34	0.51	-839 lbs	-839 lbs	20-36	0.26	977 lbs	-406 lbs	20-21	0.24	-939 lbs	-939 lbs	21-36	0.08	635 lbs	-291 lbs
3-10	0.26	137 lbs	-22 lbs	22-36	0.41	1276 lbs	-651 lbs	22-23	0.15	667 lbs	-450 lbs				
10-12	0.37	551 lbs	-317 lbs	22-37	0.38	1380 lbs	-684 lbs	24-25	0.09	640 lbs	-387 lbs				
12-14	0.15	874 lbs	-485 lbs	24-37	0.27	1611 lbs	-877 lbs	26-27	0.03	387 lbs	-192 lbs				
14-15	0.68	920 lbs	-485 lbs	24-26	0.21	1794 lbs	-1007 lbs	28-29	0.01	83 lbs	-69 lbs				
15-17	0.68	-1008 lbs	-1008 lbs	26-28	0.17	1915 lbs	-1099 lbs	30-31	0.03	-337 lbs	-337 lbs				
17-19	0.48	-1337 lbs	-1337 lbs	28-30	0.15	1915 lbs	-1109 lbs	32-33	0.09	-988 lbs	-988 lbs				
19-21	0.32	1507 lbs	-1478 lbs	30-32	0.30	1899 lbs	-1109 lbs	8-34	0.16	-2031 lbs	-2031 lbs				
21-35	0.24	1597 lbs	-1482 lbs	8-32	0.30	1542 lbs	-909 lbs	2-6	0.00	29 lbs	-3 lbs				
4-35	0.21	1597 lbs	-1482 lbs	2-8	0.04	-250 lbs	-250 lbs	37-38	0.22	975 lbs	-700 lbs				
4-23	0.37	1620 lbs	-1480 lbs					35-36	0.17	-527 lbs	-527 lbs				
5-23	0.35	1654 lbs	-1585 lbs					10-11	0.05	578 lbs	-539 lbs				

TRUSS T26 (spacing 24 in)



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

Max CSI Summary	Deflection	L/	(Loc)	Max. Allowed
TC : 0.73 (14 - 34)	TL(V): 0.01 in.	L / 999	3	L / 90
BC : 0.55 (7 - 15)	LL(V): 0.01 in.	L / 999	3	L / 90
Web : 0.30 (7 - 34)	DL(V): 0.01 in.	L / 999	(28-29)	L / 0
	Cant / OH TL: 0.01 in.	2L / 280	3	2L / 90
	Cant / OH LL: 0.01 in.	2L / 280	3	2L / 90
	Horiz TL: -0.01 in.		14	
	Web :			
	Snow/Wind -0.02 in.	L / 999	(33-24)	L / 90
	Cant (Snow/Wind) 0.01 in.	L / 999	3	L / 90

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	HRoll		0 lbs	3010 lbs	0 lbs	-2300 lbs	0 lbs
8	Pin		-210 lbs	2020 lbs	0 lbs	-1540 lbs	-210 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
6-3-11	32-8-0

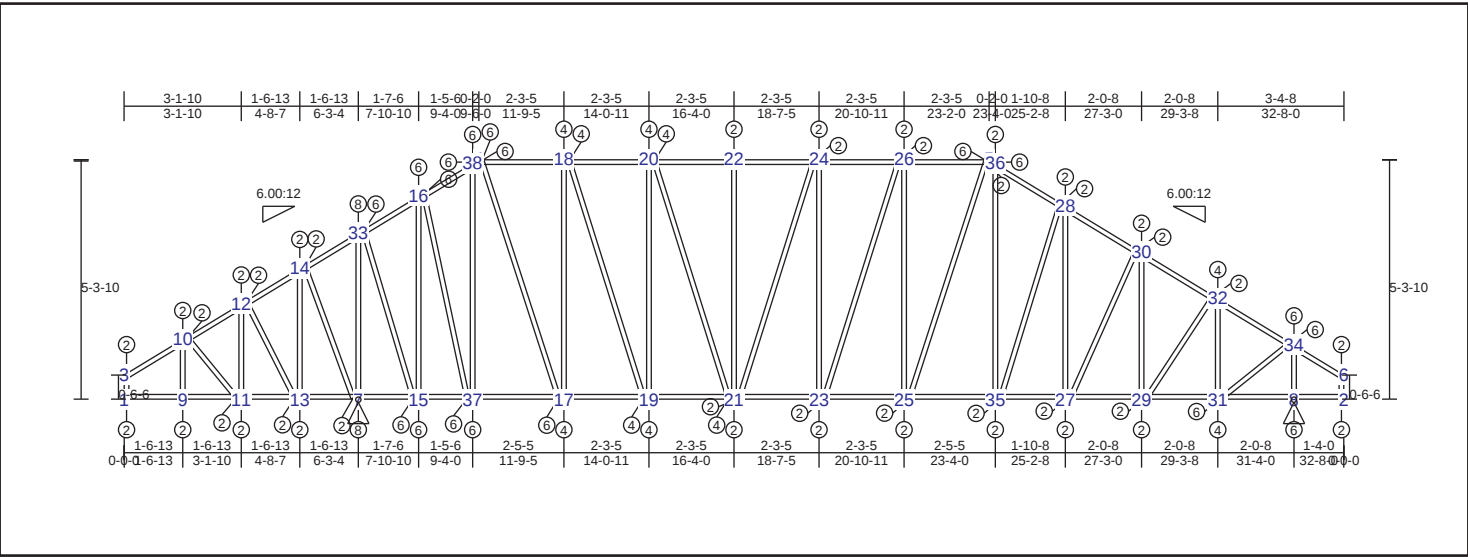
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web	Web
3-10 0.30 146 lbs -24 lbs	1-9 0.28 0 lbs 0 lbs	1-3 0.00 89 lbs -51 lbs	27-29 0.12 1907 lbs -1250 lbs
10-12 0.43 562 lbs -374 lbs	9-11 0.28 460 lbs -399 lbs	9-10 0.01 213 lbs -164 lbs	16-31 0.15 1248 lbs -815 lbs
12-14 0.13 885 lbs -574 lbs	11-13 0.13 701 lbs -657 lbs	11-12 0.03 382 lbs -356 lbs	24-30 0.12 -630 lbs -630 lbs
14-34 0.73 927 lbs -574 lbs	7-13 0.16 854 lbs -821 lbs	13-14 0.04 474 lbs -384 lbs	15-34 0.21 2108 lbs -1580 lbs
16-34 0.63 1195 lbs -1165 lbs	7-15 0.55 854 lbs -821 lbs	15-16 0.28 -1780 lbs -1780 lbs	
16-32 0.43 1504 lbs -1445 lbs	15-31 0.55 808 lbs -319 lbs	17-18 0.28 -1159 lbs -1159 lbs	
4-32 0.31 1504 lbs -1445 lbs	17-31 0.35 1230 lbs -646 lbs	19-20 0.07 -288 lbs -288 lbs	
4-18 0.39 1492 lbs -1405 lbs	17-19 0.35 1496 lbs -836 lbs	21-22 0.02 214 lbs -70 lbs	
18-20 0.39 1681 lbs -1670 lbs	19-21 0.24 1619 lbs -942 lbs	23-24 0.02 284 lbs -152 lbs	
20-22 0.28 -1793 lbs -1793 lbs	21-30 0.18 1619 lbs -942 lbs	25-26 0.02 151 lbs -142 lbs	
5-22 0.31 -1793 lbs -1793 lbs	23-30 0.29 1835 lbs -1154 lbs	27-28 0.07 -793 lbs -793 lbs	
5-33 0.35 1682 lbs -1678 lbs	23-25 0.19 1930 lbs -1241 lbs	8-29 0.16 -2023 lbs -2023 lbs	
24-33 0.46 -2051 lbs -2051 lbs	25-27 0.29 1930 lbs -1241 lbs	2-6 0.00 37 lbs -5 lbs	
24-26 0.29 -2256 lbs -2256 lbs	8-27 0.29 1698 lbs -1113 lbs	30-33 0.12 620 lbs -499 lbs	
26-28 0.38 -2296 lbs -2296 lbs	2-8 0.06 213 lbs -213 lbs	31-32 0.24 -1012 lbs -1012 lbs	
28-29 0.46 -2207 lbs -2207 lbs		7-34 0.30 -2664 lbs -2664 lbs	
6-29 0.52 -831 lbs -831 lbs		10-11 0.05 652 lbs -565 lbs	
		12-13 0.04 -493 lbs -493 lbs	
		7-14 0.04 -403 lbs -403 lbs	
		4-17 0.27 1271 lbs -986 lbs	
		18-19 0.16 819 lbs -585 lbs	
		19-22 0.10 -382 lbs -382 lbs	
		5-21 0.04 -164 lbs -164 lbs	
		23-26 0.03 -207 lbs -207 lbs	
		25-28 0.02 342 lbs -188 lbs	

TRUSS T27 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (33 - 16)	TL(V): 0.01 in.	L / 999	3
BC :	0.70 (7 - 15)	LL(V): 0.01 in.	L / 999	3
Web :	0.32 (15 - 16)	DL(V): 0.01 in.	L / 999	3
		Cant / OH TL: 0.01 in.	2L / 280	3
		Cant / OH LL: 0.01 in.	2L / 280	3
		Horiz TL: 0.01 in.		3
		Web :		
		Snow/Wind -0.01 in.	L / 999	(4-18)
		Cant (Snow/Wind) -0.01 in L / 999		3
				L / 360

- Load Summary**
- 1) This Truss has been designed in accordance with LRFD 2016.
 - 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	Pin		1190 lbs	3010 lbs	0 lbs	-2050 lbs	1190 lbs
8	Pin		-1190 lbs	2020 lbs	0 lbs	-1370 lbs	-1190 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
5-3-11	32-8-0

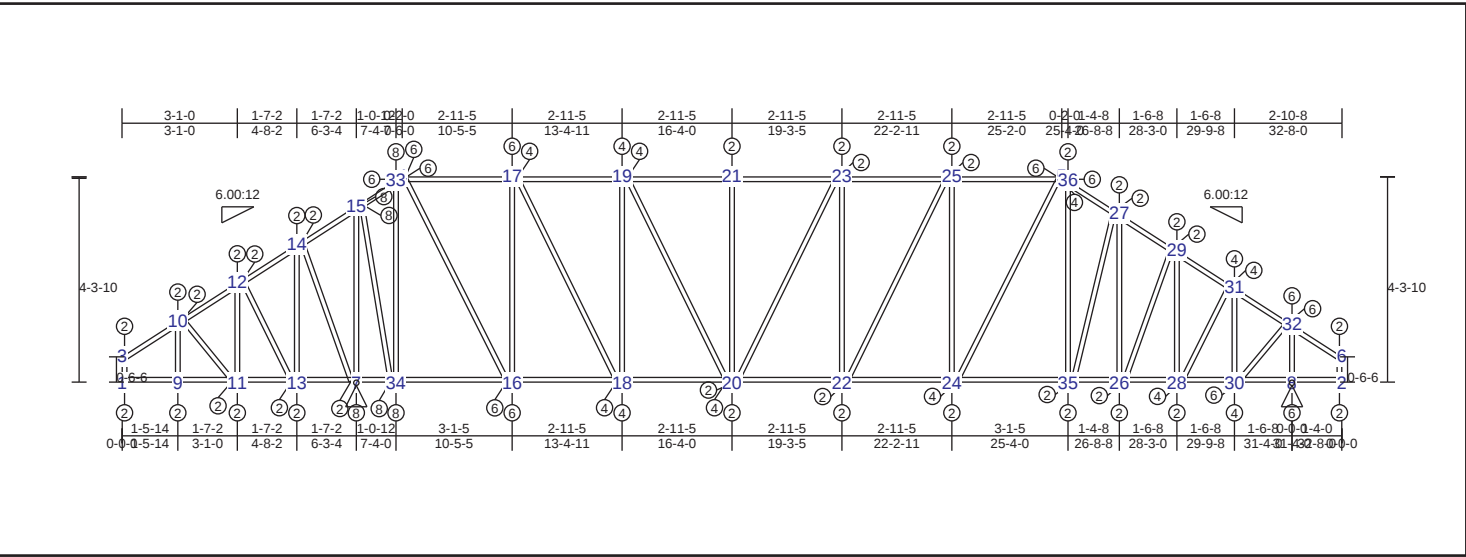
Material Design Pass

Member Forces Summary

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

Top Chord				Bot Chord				Web				Web			
5-36	0.29	-1951 lbs	-1951 lbs	1-9	0.25	0 lbs	0 lbs	1-3	0.00	87 lbs	-51 lbs	5-25	0.05	460 lbs	-273 lbs
28-36	0.36	-2196 lbs	-2196 lbs	9-11	0.25	429 lbs	-400 lbs	9-10	0.01	212 lbs	-139 lbs	27-30	0.01	152 lbs	-26 lbs
28-30	0.26	-2279 lbs	-2279 lbs	11-13	0.13	-654 lbs	-654 lbs	11-12	0.03	386 lbs	-324 lbs	29-32	0.03	558 lbs	-299 lbs
30-32	0.33	-2279 lbs	-2279 lbs	7-13	0.29	-2023 lbs	-2023 lbs	13-14	0.03	450 lbs	-314 lbs	7-14	0.04	-430 lbs	-430 lbs
32-34	0.48	-2104 lbs	-2104 lbs	7-15	0.70	-2023 lbs	-2023 lbs	15-16	0.32	-2334 lbs	-2334 lbs	15-33	0.18	2285 lbs	-1492 lbs
6-34	0.51	-834 lbs	-834 lbs	15-37	0.70	-1246 lbs	-1246 lbs	17-18	0.27	-1509 lbs	-1509 lbs	31-34	0.10	1842 lbs	-1058 lbs
3-10	0.28	146 lbs	-24 lbs	17-37	0.46	-746 lbs	-746 lbs	19-20	0.19	-1088 lbs	-1088 lbs	28-35	0.06	424 lbs	-393 lbs
10-12	0.40	564 lbs	-326 lbs	17-19	0.45	318 lbs	-134 lbs	21-22	0.05	-293 lbs	-293 lbs	16-37	0.17	2001 lbs	-1173 lbs
12-14	0.14	875 lbs	-485 lbs	19-21	0.31	611 lbs	-316 lbs	23-24	0.01	150 lbs	-74 lbs				
14-33	0.67	917 lbs	-485 lbs	21-23	0.19	752 lbs	-425 lbs	25-26	0.07	-378 lbs	-378 lbs				
16-33	0.68	-974 lbs	-974 lbs	23-25	0.14	752 lbs	-453 lbs	27-28	0.01	98 lbs	-96 lbs				
16-38	0.56	-1248 lbs	-1248 lbs	25-35	0.14	743 lbs	-453 lbs	29-30	0.03	-327 lbs	-327 lbs				
4-38	0.45	-1248 lbs	-1248 lbs	27-35	0.13	706 lbs	-501 lbs	31-32	0.08	-974 lbs	-974 lbs				
4-18	0.49	-1210 lbs	-1210 lbs	27-29	0.09	706 lbs	-513 lbs	2-6	0.00	30 lbs	-4 lbs				
18-20	0.43	-1657 lbs	-1657 lbs	29-31	0.29	691 lbs	-513 lbs	7-33	0.30	-2644 lbs	-2644 lbs				
20-22	0.36	-1949 lbs	-1949 lbs	8-31	0.29	-1195 lbs	-1195 lbs	8-34	0.16	-2020 lbs	-2020 lbs				
22-24	0.26	-2091 lbs	-2091 lbs	2-8	0.15	-1195 lbs	-1195 lbs	35-36	0.05	398 lbs	-321 lbs				
24-26	0.31	-2091 lbs	-2091 lbs					37-38	0.29	-1689 lbs	-1689 lbs				
5-26	0.31	-2081 lbs	-2081 lbs					10-11	0.05	607 lbs	-567 lbs				

TRUSS T28 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (15 - 33)	TL(V): 0.02 in.	L / 999	(4-17)	L / 240
BC : 0.89 (34 - 16)	LL(V): 0.01 in.	L / 999	(4-17)	L / 360
Web : 0.34 (34 - 33)	DL(V): 0.01 in.	L / 999	(4-17)	L / 0
	Cant / OH TL: 0.01 in.	2L / 280	3	2L / 240
	Cant / OH LL: 0.01 in.	2L / 280	3	2L / 240
	Horiz TL: 0.01 in.		3	
	Web :			
	Snow/Wind -0.03 in.	L / 999	(4-17)	L / 360
	Cant (Snow/Wind) -0.01 in.	L / 999	3	L / 360

- Load Summary**
- 1) This Truss has been designed in accordance with LRFD 2016.
 - 2) This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3) Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6) Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7) Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
7	Pin			3000 lbs	0 lbs	-2050 lbs	1380 lbs
8	Pin		-1380 lbs	2010 lbs	0 lbs	-1380 lbs	-1380 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
4-3-11	32-8-0

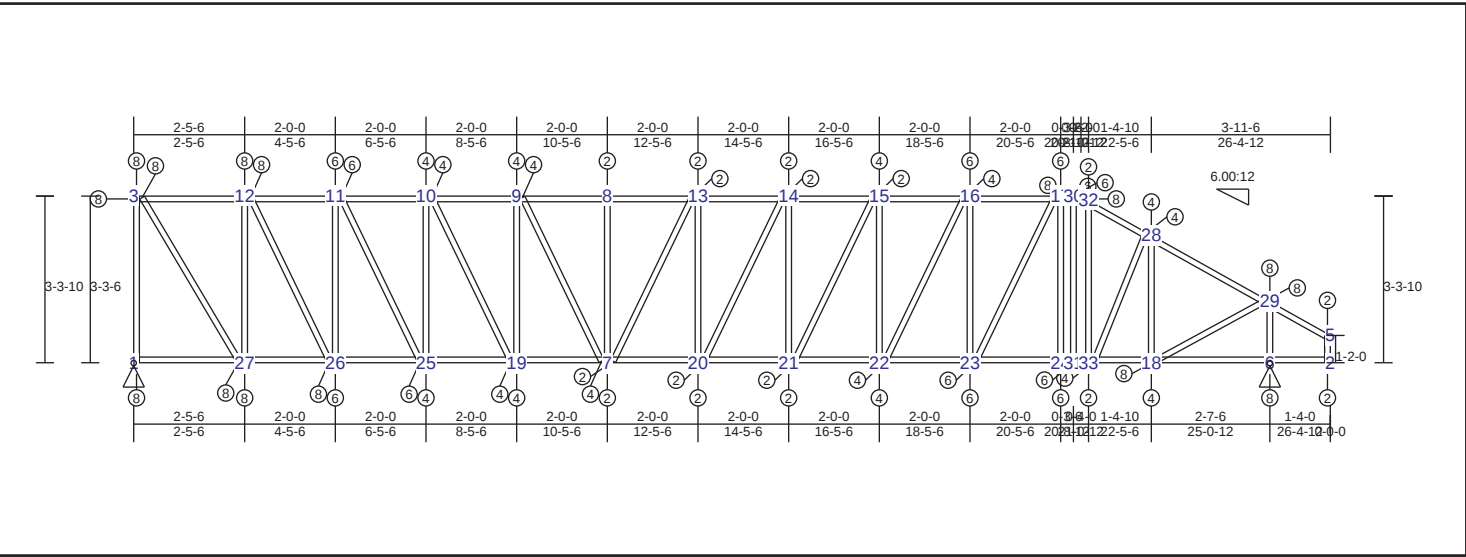
Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web	Web
5-36 0.22 -2159 lbs	1-9 0.23 0 lbs	1-3 0.00 82 lbs	5-24 0.08 847 lbs
27-36 0.26 -2259 lbs	9-11 0.23 420 lbs	9-10 0.01 197 lbs	-125 lbs
27-29 0.25 -2256 lbs	11-13 0.14 -648 lbs	11-12 0.03 370 lbs	-304 lbs
29-31 0.29 -2242 lbs	7-13 0.35 -2208 lbs	13-14 0.03 424 lbs	-291 lbs
31-32 0.51 -1959 lbs	7-34 0.81 -2208 lbs	7-15 0.31 -2757 lbs	-2757 lbs
6-32 0.50 -840 lbs	16-34 0.89 -1616 lbs	16-17 0.22 -1723 lbs	-1723 lbs
3-10 0.26 136 lbs	16-18 0.53 -427 lbs	18-19 0.15 -1190 lbs	-1190 lbs
10-12 0.37 554 lbs	18-20 0.47 894 lbs	20-21 0.05 -378 lbs	-378 lbs
12-14 0.13 861 lbs	20-22 0.32 1084 lbs	22-23 0.01 150 lbs	-47 lbs
14-15 0.67 907 lbs	22-24 0.32 1084 lbs	24-25 0.08 -639 lbs	-639 lbs
15-33 0.91 -746 lbs	24-35 0.32 961 lbs	26-27 0.02 -203 lbs	-203 lbs
4-33 0.69 -746 lbs	26-35 0.11 517 lbs	28-29 0.05 -581 lbs	-581 lbs
4-17 0.59 -1065 lbs	26-28 0.16 517 lbs	30-31 0.10 -1237 lbs	-1237 lbs
17-19 0.55 -1881 lbs	28-30 0.37 391 lbs	8-32 0.16 -2026 lbs	-2026 lbs
19-21 0.45 -2385 lbs	8-30 0.37 -1378 lbs	2-6 0.00 36 lbs	-2 lbs
21-23 0.36 -2575 lbs	2-8 0.15 -1378 lbs	33-34 0.34 -2671 lbs	-2671 lbs
23-25 0.46 -2575 lbs		35-36 0.02 -157 lbs	-157 lbs
5-25 0.46 -2453 lbs		10-11 0.05 580 lbs	-540 lbs
		12-13 0.04 -478 lbs	-478 lbs
		7-14 0.04 -440 lbs	-440 lbs
		4-16 0.23 2189 lbs	-1377 lbs
		17-18 0.15 1527 lbs	-898 lbs
		19-20 0.10 945 lbs	-602 lbs
		20-23 0.06 -355 lbs	-355 lbs
		22-25 0.02 229 lbs	-125 lbs

TRUSS T29 (spacing 24 in)



Circles with leaders indicate screw counts for webs and chords. Screws indicate the number of #10, 0.19 in. screw types at one end of the member. Each value indicates the number of screws required. Allowable shear per screw is calculated per the NASPEC 2007 WITH SUPPLEMENT #2. Maintain screw edge margin at 5/8" min for each sheet of steel 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 (16 - 17)	TL(V): 0.03 in.	L / 999 (3-12)	L / 240
BC : 0.95 (23 - 24)	LL(V): 0.02 in.	L / 999 (3-12)	L / 360
Web : 0.28 (27 - 12)	DL(V): 0.02 in.	L / 999 (3-12)	L / 0
	Cant / OH TL: 0 in.	2L / 999	0
	Cant / OH LL: 0 in.	2L / 999	0
	Horiz TL: 0.01 in.		3
	Web :		
	Snow/Wind -0.03 in.	L / 999 (28-29)	L / 360
	Cant (Snow/Wind) 0 in.	L / 999	0

- Load Summary**
- 1)This Truss has been designed in accordance with LRFD 2016.
 - 2)This truss has been designed for the effects due to standard loading of TC Live 0.00 psf, TC Dead = 12.00 psf; BC Live = 5.00 psf; BC Dead = 12.00 psf; TC LiveRoof = 20.00 psf
 - 3)Wind Criteria: Code: ASCE 7-16, Wind Speed: 165.00 mph, Exposure: D, 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: 300.00 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
 - 6)Gusset plate to be installed for members connections if screw count exceeds 2 at each side.
 - 7)Gusset plate to be installed at hip, valley and ridge of the truss.

Reaction Table

P.Point	Type	Brg. Width	Horz React.	Vert React.	Max Gravity Uplift	Max Wind Uplift	Max Horizontal
1	Pin						
6	Pin		-2890 lbs	2820 lbs	0 lbs	-2580 lbs	-2890 lbs

Materials

Type	Material	Bracing	Section	Material	Bracing
Top Chd	350S150-54(50)	Sheathing			
Bot Chd	350S150-54(50)	Purlin (96 in.)			
Web	350S150-54(50)	Unbraced			

Truss Dimensions

Max Height	Max Width
3-3-11	26-4-12

Material Design Pass

Member Forces Summary

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

Top Chord	Bot Chord	Web	Web
4-32 0.29 -3210 lbs -3210 lbs	1-27 0.83 -3003 lbs -3003 lbs	12-27 0.28 -2688 lbs -2688 lbs	3-27 0.24 3148 lbs -2043 lbs
28-32 0.53 -3266 lbs -3266 lbs	26-27 0.83 -1265 lbs -1265 lbs	11-26 0.20 -1983 lbs -1983 lbs	18-29 0.17 2675 lbs -1775 lbs
28-29 0.83 -3266 lbs -3266 lbs	25-26 0.54 803 lbs -218 lbs	10-25 0.16 -1578 lbs -1578 lbs	28-33 0.04 839 lbs -307 lbs
5-29 0.96 1195 lbs -1149 lbs	19-25 0.45 1458 lbs -615 lbs	9-19 0.11 -1112 lbs -1112 lbs	
3-12 0.71 -1738 lbs -1738 lbs	7-19 0.31 1853 lbs -918 lbs	7-8 0.04 -339 lbs -339 lbs	
11-12 0.78 -2902 lbs -2902 lbs	7-20 0.23 1998 lbs -1091 lbs	13-20 0.01 106 lbs -76 lbs	
10-11 0.56 -3806 lbs -3806 lbs	20-21 0.18 1998 lbs -1128 lbs	14-21 0.06 -588 lbs -588 lbs	
9-10 0.56 -4461 lbs -4461 lbs	21-22 0.28 1888 lbs -1128 lbs	15-22 0.10 -983 lbs -983 lbs	
8-9 0.56 -4856 lbs -4856 lbs	22-23 0.45 1516 lbs -1027 lbs	16-23 0.18 -1716 lbs -1716 lbs	
8-13 0.47 -5001 lbs -5001 lbs	23-24 0.95 931 lbs -811 lbs	17-24 0.22 -2112 lbs -2112 lbs	
13-14 0.53 -5001 lbs -5001 lbs	24-31 0.95 -316 lbs -316 lbs	18-28 0.13 -1435 lbs -1435 lbs	
14-15 0.53 -4891 lbs -4891 lbs	31-33 0.60 -316 lbs -316 lbs	1-3 0.26 -2550 lbs -2550 lbs	
15-16 0.71 -4519 lbs -4519 lbs	18-33 0.65 -516 lbs -516 lbs	6-29 0.22 -2778 lbs -2778 lbs	
16-17 0.97 -3934 lbs -3934 lbs	6-18 0.50 -2892 lbs -2892 lbs	2-5 0.00 76 lbs 0 lbs	
17-30 0.73 -2858 lbs -2858 lbs	2-6 0.34 -2892 lbs -2892 lbs	32-33 0.05 -515 lbs -515 lbs	
4-30 0.73 -2858 lbs -2858 lbs		30-31 0.10 1644 lbs -1008 lbs	
		12-26 0.17 2446 lbs -1494 lbs	
		11-25 0.14 1901 lbs -1202 lbs	
		10-19 0.11 1378 lbs -931 lbs	
		7-9 0.07 831 lbs -637 lbs	
		7-13 0.03 363 lbs -304 lbs	
		14-20 0.01 230 lbs -78 lbs	
		15-21 0.04 783 lbs -237 lbs	
		16-22 0.06 1229 lbs -454 lbs	
		17-23 0.13 2262 lbs -1118 lbs	