

Customer: EZ SIPS Corporation Green-R-Panel Systems

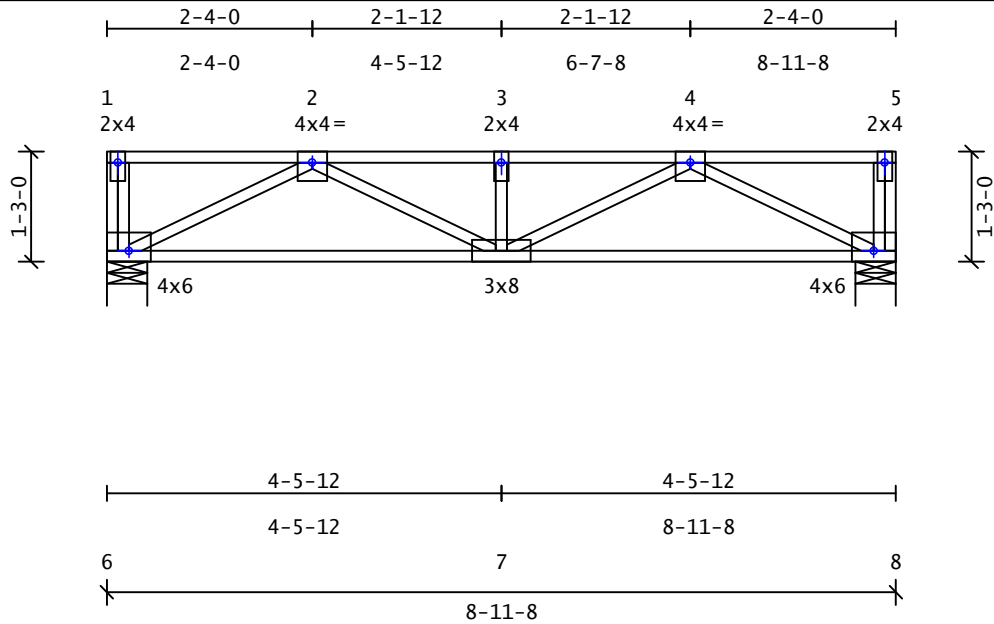
SID: 0001287523

TID: 145165

Date: 02 / 11 / 22

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Truss Mfr. Contact: Don Kirk



Truss Weight = 50.1 lb

Code/Design: IBC-2012/TPI-2007

PSF Live Dead Dur Factors
 TC 40.0 10.0 Live Wind Snow
 BC 0.0 5.0 Lum 1.00 N/A N/A
 Total 55.0 Plt 1.00 N/A N/A
 Spacing: 2-00-00 o.c. Plies: 1
 Repetitive Member Increase: Yes
 Green Lumber: No Wet Service: No
 Fab Tolerance: 10% Creep (Kcr) = 1.5
 OH Soffit Load: 2.0 psf

-----Additional Design Checks-----

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

Material Summary

TC 4x2 DFL #2
 BC 4x2 DFL #2
 Webs 4x2 DFL #3

Member Forces Summary

Max CSI in TC PANEL 1 - 2 0.20
 Max CSI in BC PANEL 6 - 7 0.29
 Max CSI in Web 6 - 2 0.20

...	Mem...	Ten	Comp	.CSI.
TC	OH- 1	0	0	0.00
	1- 2	0	0	0.20
	2- 3	0	969	0.20
	3- 4	0	969	0.20
	4- 5	0	0	0.20
	5-OH	0	0	0.00
BC	OH- 6	0	0	0.00
	6- 7	730	0	0.29
	7- 8	730	0	0.29
	8-OH	0	0	0.00
Web	1- 6	0	101	0.01
	2- 6	0	820	0.20
	2- 7	268	0	0.10
	3- 7	0	197	0.04
	4- 7	268	0	0.10
	4- 8	0	820	0.20
	5- 8	0	101	0.01

Reaction Summary

-----Reaction Summary(Lbs)-----
 Jnt --X-Loc- React -Up- --Width- -Regd -Mat PSI
 6 01-08 492 0 05-08 01-08 DFL 625
 8 8-10-00 492 0 05-08 01-08 DFL 625

Loads Summary

See Loadcase Report for loading combinations and additional details.

Notes

Plates designed for Cq at 0.90 and Rotational Tolerance of 10.0 degrees

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/360	L/999(-0.05)	6- 7
Vert DL	L/120	L/999(-0.04)	6- 7
Vert TL	L/240	L/999(-0.09)	6- 7
Horz LL	0.75in	(0.01) @Jt 8	
Horz TL	1.25in	(0.01) @Jt 8	

Bracing Data Summary

-----Bracing Data-----
 Chords; continuous except where shown
 Web Bracing -- None

Plate offsets (X, Y):

(None unless indicated below)
 Jnt1(0,-00-08), Jnt2(0,-00-08),
 Jnt3(0,-00-08), Jnt4(0,-00-08),
 Jnt5(0,-00-08), Jnt6(0,00-08),
 Jnt8(0,00-08)



2/11/2022

EXPIRES: Exp 06/30/2023

NOTICE A copy of this design shall be furnished to the erection contractor. The design of this individual truss is based on design criteria and requirements supplied by the Truss Manufacturer and relies upon the accuracy and completeness of the information set forth by the Building Designer. A seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. See the cover page and the "Important Information & General Notes" page for additional information. All connector plates shall be manufactured by Simpson Strong-Tie Company, Inc in accordance with ESR-2762. All connector plates are 20 gauge, unless the specified plate size is followed by a "-18" which indicates an 18 gauge plate, or "S# 18", which indicates a high tension 18 gauge plate.

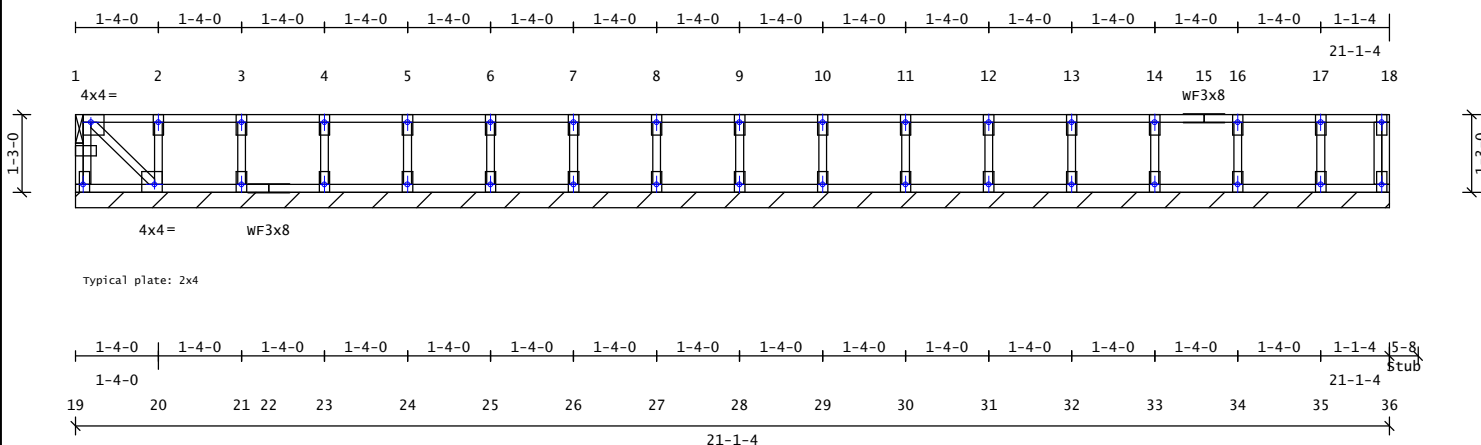


Component Solutions
 Truss Studio V
 2021.5.0.261

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Truss Mfr. Contact: Don Kirk



Truss Weight = 105.4 lb

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Code: Design: 1BC 2012/11/1 2007
PSF Live Dead Dur Factors
TC 40.0 10.0 Live Wind Snow
BC 0.0 5.0 Lum 1.00 N/A N/A
Total 55.0 Plt 1.00 N/A N/A
Spacing: 2'-00"-00 o.c. Plies: 1
Repetitive Member Increase: Yes
Green Lumber: No Wet Service: No
Fib Tolerance: 10% Creep (Kcr) = 1.5
OH Soffit Load: 2.0 psf
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10 psf Non-Concurrent BCLL:	Yes
20 psf BC Limited Storage:	Yes
200 lb BC Accessible Ceiling:	No
300 lb TC Maintenance Load:	No
2000 lb TC Safe Load:	No
Unbalanced TCLL:	No

TC	4x2	DFL	#2
BC	4x2	DFL	#2
Webs	4x2	DFL	#3
RB	4x2	DFL	#3

Max CSI in TC PANEL	1 - 2	0.06
Max CSI in BC PANEL	19 - 20	0.01
Max CSI in Web	20 - 2	0.03

	...Mem...	Ten	Comp	.CSI.
TC	OH- 1	0	0	0.00
	1- 2	0	0	0.06
	2- 3	0	0	0.06
	3- 4	0	0	0.06
	4- 5	0	0	0.06
	5- 6	0	0	0.06
	6- 7	0	0	0.06
	7- 8	0	0	0.06
	8- 9	0	0	0.06
	9-10	0	0	0.06
	10-11	0	0	0.06
	11-12	0	0	0.06
	12-13	0	0	0.06
	13-14	0	0	0.06
	14-15	0	0	0.06
	15-16	0	0	0.06
	16-17	0	0	0.06
	17-18	0	0	0.05
	18-OH	0	0	0.00
BC	OH-19	0	0	0.00
	19-20	0	0	0.01
	20-21	0	0	0.01
	21-22	0	0	0.01
	22-23	0	0	0.01
	23-24	0	0	0.01
	24-25	0	0	0.01
	25-26	0	0	0.01
	26-27	0	0	0.01
	27-28	0	0	0.01
	28-29	0	0	0.01
	29-30	0	0	0.01
	30-31	0	0	0.01
	31-32	0	0	0.01
	32-33	0	0	0.01
	33-34	0	0	0.01
	34-35	0	0	0.01
	35-36	0	0	0.01
	36-OH	0	0	0.00
Web	1-19	0	50	0.01
	1-20	0	0	0.01

...Mem...	Ten	Comp	.CSI.
2-20	0	136	0.03
3-21	0	133	0.03
4-23	0	133	0.03
5-24	0	133	0.03
6-25	0	133	0.03
7-26	0	133	0.03
8-27	0	133	0.03
9-28	0	133	0.03
10-29	0	133	0.03
11-30	0	133	0.03
12-31	0	133	0.03
13-32	0	133	0.03
14-33	0	132	0.03
16-34	0	135	0.03
17-35	0	125	0.02
18-36	0	49	0.00

Reactions not shown: down < 400 and up < 150

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---- Reaction Summary (plf) ----
Jnt-Jnt      React -Up- --Width-
  19- 36      109      0 21-01-04

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See Loadcase Report for loading combinations and additional details.

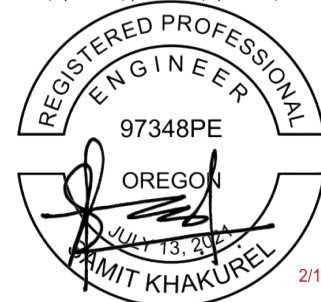
Gable webs are attached with min. 1x3 20 ga. plates. The max. rake overhang = 1/2 the truss spacing. If this truss is exposed to wind loads perpendicular to the plane of the truss, it must be braced according to a standard detail matching the wind criteria shown, or according to the Construction Documents and/or ECSI - B3.
Plates designed for Cq at 0.90 and Rotational Tolerance of 10.0 degrees

Truss	Span	Limit	Actual (in)	Location
Vert	LL	L/360	L/999 (-0.00)	20-21
Vert	DL	L/120	L/999 (-0.00)	20-21
Vert	TL	L/240	L/999 (-0.00)	20-21
Horz	LL	0.75in	(0.00)	@Jt20
Horz	TL	1.25in	(0.00)	@Jt20

```
-----Bracing Data-----
Chords; continuous except where shown
Web Bracing -- None
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(None unless indicated below)

Jnt1(0,0-08,-00-08), Jnt2(0,-00-08),
Jnt3(0,-00-08), Jnt4(0,-00-08),
Jnt5(0,-00-08), Jnt6(0,-00-08),
Jnt7(0,-00-08), Jnt8(0,-00-08),
Jnt9(0,-00-08), Jnt10(0,-00-08),
Jnt11(0,-00-08), Jnt12(0,-00-08),
Jnt13(0,-00-08), Jnt14(0,-00-08),
Jnt16(0,-00-08), Jnt17(0,-00-08),
Jnt18(0,-00-08), Jnt19(00-04,00-08),
Jnt20(-00-08,00-08), Jnt21(0,00-08),
Jnt23(0,00-08), Jnt24(0,00-08),
Jnt25(0,00-08), Jnt26(0,00-08),
Jnt27(0,00-08), Jnt28(0,00-08),
Jnt29(0,00-08), Jnt30(0,00-08),
Jnt31(0,00-08), Jnt32(0,00-08),
Jnt33(0,00-08), Jnt34(0,00-08),
Jnt35(0,00-08), Jnt36(0,00-08)

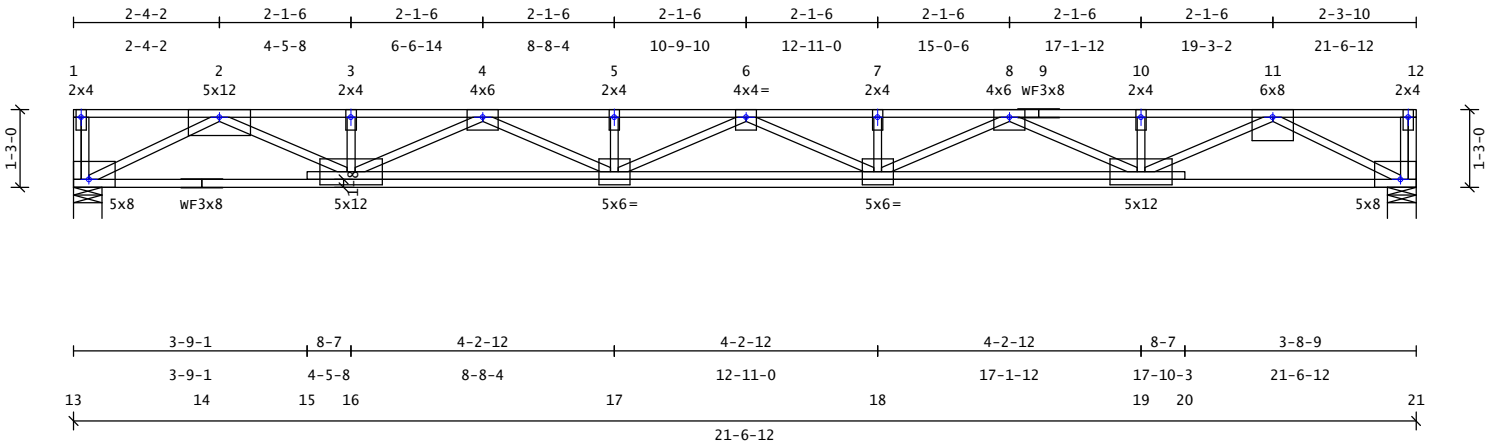


EXPIRES: Exp 06/30/2023

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SIMPSON
Strong-Tie

Component Solutions
Truss Studio V
2021 5 0 261



Truss Weight = 150.5 lb

Code/Design: IBC-2012/TPI-2007
 PSF Live Dead Dur Factors
 TC 40.0 10.0 Live Wind Snow
 BC 0.0 5.0 Lum 1.00 N/A N/A
 Total 55.0 Plt 1.00 N/A N/A
 Spacing: 2-00-00 o.c. Plies: 1
 Repetitive Member Increase: Yes
 Green Lumber: No Wet Service: No
 Fab Tolerance: 10% Creep (Kcr) = 1.5
 OH Soffit Load: 2.0 psf

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

Material Summary

TC 4x2 DFL #2
 BC 4x2 DFL #2
 Webs 4x2 DFL #3

Member Forces Summary

Max CSI in TC PANEL 5 - 6 0.72
 Max CSI in BC PANEL 16 - 17 0.67
 Max CSI in Web 2 - 16 0.72

Reaction Summary

-----Reaction Summary(Lbs)-----
 Jnt --X-Loc- React -Up- --Width- -Reqd -Mat PSI
 13 01-08 1185 0 05-08 01-08 DFL 625
 21 21-05-04 1185 0 05-08 01-08 DFL 625

Loads Summary

See Loadcase Report for loading combinations and additional details.

Notes

Plates designed for Cq at 0.90 and Rotational Tolerance of 10.0 degrees
 * = Plate designed with different Cq and/or Angle.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/360	L/562 (-0.46)	17-18
Vert DL	L/120	L/964 (-0.27)	17-18
Vert TL	L/240	L/355 (-0.72)	17-18
Horz LL	0.75in	(0.06) @Jt21	
Horz TL	1.25in	(0.10) @Jt21	

Bracing Data Summary

-----Bracing Data-----
 Chords; continuous except where shown
 Web Bracing -- None

Plate offsets (X, Y):

(None unless indicated below)
 Jnt1(0,-00-08), Jnt2(0,-01-00),
 Jnt3(0,-00-08), Jnt4(0,-00-08),
 Jnt5(0,-00-08), Jnt6(0,-00-08),
 Jnt7(0,-00-08), Jnt8(0,-00-08),
 Jnt10(0,-00-08), Jnt11(0,-01-08),
 Jnt12(0,-00-08), Jnt13(01-00,01-00),
 Jnt21(-01-00,01-00)

...	Mem...	Ten	Comp	.CSI.
TC	OH- 1	0	0	0.00
	1- 2	0	0	0.23
	2- 3	0	3766	0.40
	3- 4	0	3766	0.39
	4- 5	0	5668	0.71
	5- 6	0	5668	0.72
	6- 7	0	5659	0.72
	7- 8	0	5659	0.71
	8- 9	0	3741	0.41
	9-10	0	3741	0.40
	10-11	0	3741	0.39
	11-12	0	0	0.22
	12-OH	0	0	0.00
BC	OH-13	0	0	0.00
	13-14	2118	0	0.46
	14-15	2118	0	0.66
	15-16	2113	0	0.39
	16-17	4945	0	0.67
	17-18	5893	0	0.64
	18-19	4927	0	0.67
	19-20	2078	0	0.38
	20-21	2083	0	0.66
	21-OH	0	0	0.00
Web	1-13	0	104	0.01
	2-13	0	2375	0.58
	2-16	1844	0	0.72
	3-16	0	193	0.04
	4-16	0	1318	0.31
	4-17	810	0	0.31
	5-17	0	192	0.04
	6-17	0	251	0.06
	6-18	0	261	0.06
	7-18	0	192	0.04
	8-18	819	0	0.32
	8-19	0	1327	0.32
	10-19	0	194	0.04
	11-19	1855	0	0.72
	11-21	0	2345	0.57
	12-21	0	102	0.01



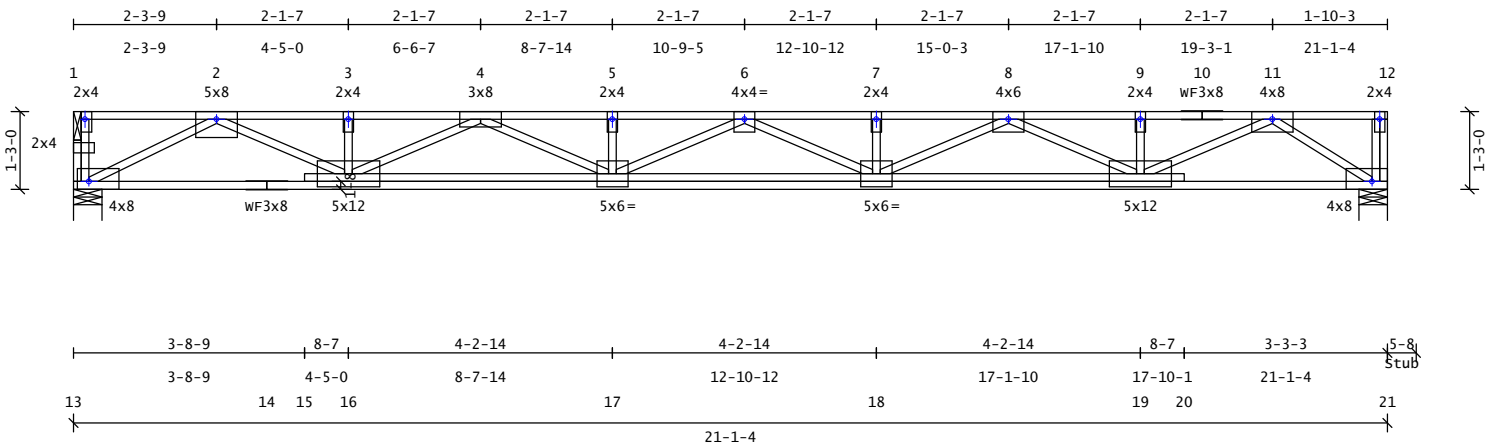
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Component Solutions
 Truss Studio V
 2021.5.0.261



Truss Weight = 144.7 lb

Code/Design: IBC-2012/TPI-2007

PSF Live Dead Dur Factors
 TC 40.0 10.0 Live Wind Snow
 BC 0.0 5.0 Lum 1.00 N/A N/A
 Total 55.0 Plt 1.00 N/A N/A
 Spacing: 2-00-00 o.c. Plies: 1
 Repetitive Member Increase: Yes
 Green Lumber: No Wet Service: No
 Fab Tolerance: 10% Creep (Kcr) = 1.5
 OH Soffit Load: 2.0 psf

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

Material Summary

TC	4x2	DFL	#2
BC	4x2	DFL	#2
Webs	4x2	DFL	#3
RB	4x2	DFL	#3

Member Forces Summary

Max CSI in TC PANEL	4 - 5	0.67
Max CSI in BC PANEL	16 - 17	0.64
Max CSI in Web	19 - 11	0.74

...	Mem...	Ten	Comp	CSI
TC	OH-1	0	0	0.00
	1-2	0	0	0.22
	2-3	0	3591	0.38
	3-4	0	3591	0.37
	4-5	0	5421	0.67
	5-6	0	5421	0.67
	6-7	0	5333	0.65
	7-8	0	5333	0.65
	8-9	0	3352	0.33
	9-10	0	3352	0.30
	10-11	0	3352	0.32
	11-12	0	0	0.18
	12-OH	0	0	0.00
BC	OH-13	0	0	0.00
	13-14	1971	0	0.53
	14-15	1971	0	0.62
	15-16	1967	0	0.35
	16-17	4733	0	0.64
	17-18	5607	0	0.61
	18-19	4568	0	0.60
	19-20	1640	0	0.28
	20-21	1643	0	0.53
	21-OH	0	0	0.00
Web	1-13	0	92	0.02
	2-13	0	2234	0.54
	2-16	1811	0	0.70
	3-16	0	196	0.04
	4-16	0	1277	0.30
	4-17	769	0	0.30
	5-17	0	193	0.04
	6-17	0	207	0.05
	6-18	0	305	0.07
	7-18	0	194	0.04
	8-18	856	0	0.33
	8-19	0	1360	0.32
	9-19	0	202	0.04
	11-19	1911	0	0.74
	11-21	0	1962	0.45
	12-21	0	79	0.01

Reaction Summary

Jnt	--X-Loc	React	-Up-	--Width-	-Reqd	-Mat	PSI
13	02-04	1151	0	05-08	01-08	DFL	625
21	20-11-12	1157	0	05-08	01-08	DFL	625

Loads Summary

See Loadcase Report for loading combinations and additional details.

Notes

Plates designed for Cq at 0.90 and Rotational Tolerance of 10.0 degrees
 * = Plate designed with different Cq and/or Angle.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/360	L/606(-0.41)	17-18
Vert DL	L/120	L/999(-0.24)	17-18
Vert TL	L/240	L/382(-0.65)	17-18
Horz LL	0.75in	(0.06) @Jt21	
Horz TL	1.25in	(0.09) @Jt21	

Bracing Data Summary

-----Bracing Data-----
 Chords; continuous except where shown
 Web Bracing -- None

Plate offsets (X, Y):

(None unless indicated below)
 Jnt1(00-04,-00-08), Jnt2(0,-01-00),
 Jnt3(0,-00-08), Jnt5(0,-00-08),
 Jnt6(0,-00-08), Jnt7(0,-00-08),
 Jnt8(0,-00-08), Jnt9(0,-00-08),
 Jnt11(0,-00-08), Jnt12(0,-00-08),
 Jnt13(01-12,00-08), Jnt21(-01-00,00-08)



2/11/2022

EXPIRES: Exp 06/30/2023

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