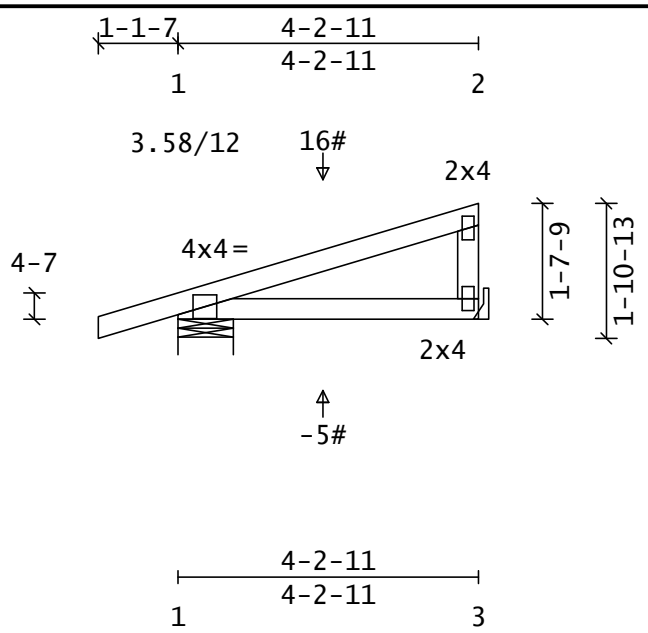
2201P-2350 - **Qty: 1** **Truss: CJ1**

Customer: EZ SIPS Corporation Green-R-Panel Systems

SID: 0001287514
TID: 145165
Date: 02 / 10 / 22
Page: 1 of 1

Truss Mfr. Contact: Don Kirk



Truss Weight = 15.7 lb

Code/Design: IBC-2012/TPI-2007
PSF Live Dead Dur Factors
TC 25.0 10.0 Live Wind Snow
BC 0.0 10.0 Lum 1.15 1.60 1.15
Total 45.0 Plt 1.15 1.60 1.15
Spacing: 2-00-00 o.c. Plies: 1
Repetitive Member Increase: No
Green Lumber: No Wet Service: No
Fab Tolerance: 20% Creep (Kcr) = 1.5
OH Soffit Load: 2.0 psf

----------Snow Load Specs----------
ASCE7-10 Ground Snow(Pg) = 25.0 psf
Risk Cat: II Terrain Cat: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin): No
Unbalanced Snow Loads: Yes
Rain Surcharge: No Ice Dam Chk: No

----------Wind Load Specs----------
ASCE7-10 Wind Speed(V) = 135 mph
Risk Cat: II Exposure Cat: C
Bldg Dims: L = 45.0 ft B = 30.0 ft
M.R.H(h) = 15.0 ft Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 6.0 BC = 6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 3-00-00

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

Material Summary

TC 2x4 DFL #2
BC 2x4 DFL #2
Webs 2x4 DFL #3

Member Forces Summary

Max CSI in TC PANEL 1 - 2 0.26
Max CSI in BC PANEL 1 - 3 0.17
Max CSI in Web 3 - 2 0.03

...Mem...	Ten	Comp	.CSI.
TC OH- 1	37	4	0.16
1- 2	40	44	0.26
2-OH	0	4	0.00
BC 1- 3	0	0	0.17
3-OH	0	0	0.00
Web 2- 3	4	156	0.03

Reaction Summary

----------Reaction Summary(Lbs)----------

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
1	04-09	293	44	09-05	01-08	DFL	625
3	4-00-15	172	12	01-08	HGR	DFL	625

Max Horiz = 0 / +1 at Joint 1

Loads Summary

Corner Girder designed to carry:

CornerJacks	Side SB	End SB	Cant(S)	Cant(E)
Open	2-11-14	2-11-14	0	0

Loads based on maximum and minimum reactions from tie-in spans

Mbr	Max	Min	Location	Dir	Description
Transfer loads:					
TC	16	-11	2-00-07	Vert	EJ1 @ 117 Deg
BC	4	-5	2-00-07	Vert	EJ1 @ 117 Deg

Distributed Loads (plf) - Based on Live Load

Mbr	Load	Uplift	Start	Load	Uplift	End	Dir	Description
TC	-0.0	0	-1-01-07	4.0	0	-06-12	Vert	Standard
TC	-0.0	0	-1-01-07	70.0	-26	01-07	Vert	Standard
TC	4.0	0	-06-12	-0.0	0	0	Vert	Standard
TC	70.0	-26	01-07	-0.0	0	1-04-04	Vert	Standard
TC	4.4	-2	-1-01-07	4.4	-2	4-02-11	Vert	Standard
BC	1.3	0	0	1.3	0	4-02-11	Vert	Standard

This truss has been designed for the effects of an unbalanced top chord live load occurring at [4-02-11] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for loading combinations and additional details.

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(0.00)	1- 3
Vert DL	L/120	L/999(-0.00)	1- 3
Vert TL	L/180	L/999(0.00)	1- 3
Horz LL	0.75in	(0.01)	@Jt 1
Horz TL	1.25in	(0.01)	@Jt 1
Ohng TL	2L/180	2L/999(-0.01)	1- 1

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

REGISTERED PROFESSIONAL ENGINEER
97348PE
OREGON
JULY 13, 2021
AMIT KHAKUREL
2/11/2022

EXPIRES: Exp 06/30/2023

SIMPSON StrongTie

Component Solutions
Truss Studio V
2021.5.0.261

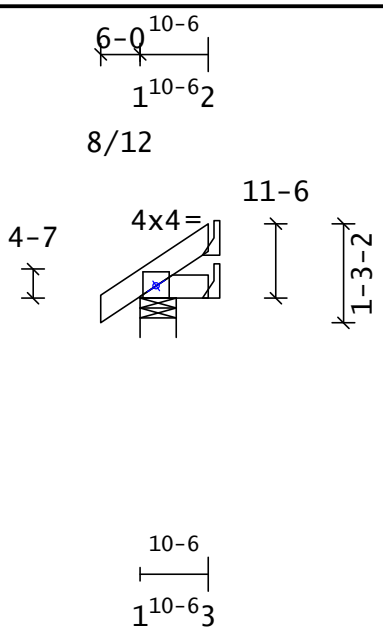
EngDrwg: 2021r5RGT_Eng

2201P-2350 - **Qty: 1** **Truss: EJ1**

Customer: EZ SIPS Corporation Green-R-Panel Systems

SID: 0001287515
TID: 145165
Date: 02 / 09 / 22
Page: 1 of 1

Truss Mfr. Contact: Don Kirk III



Truss Weight = 4.2 lb

Code/Design: IBC-2012/TPI-2007
PSF Live Dead Dur Factors
TC 25.0 10.0 Live Wind Snow
BC 0.0 10.0 Lum 1.15 1.60 1.15
Total 45.0 Plt 1.15 1.60 1.15
Spacing: 2-00-00 o.c. Plies: 1
Repetitive Member Increase: Yes
Green Lumber: No Wet Service: No
Fab Tolerance: 20% Creep (Kcr) = 1.5
OH Soffit Load: 2.0 psf

----------Snow Load Specs----------
ASCE7-10 Ground Snow(Pg) = 25.0 psf
Risk Cat: II Terrain Cat: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin): No
Unbalanced Snow Loads: Yes
Rain Surcharge: No Ice Dam Chk: No

----------Wind Load Specs----------
ASCE7-10 Wind Speed(V) = 135 mph
Risk Cat: II Exposure Cat: C
Bldg Dims: L = 45.0 ft B = 30.0 ft
M.R.H(h) = 15.0 ft Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 6.0 BC = 6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 3-00-00

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

Material Summary

TC 2x4 DFL #2
BC 2x4 DFL #2

Member Forces Summary

Max CSI in TC PANEL 1 - 1 0.03
Max CSI in BC PANEL 1 - 3 0.01

...Mem...		Ten	Comp	.CSI.
TC	OH- 1	35	0	0.03
	1- 2	8	27	0.01
BC	1- 3	0	0	0.01

Reaction Summary

----------Reaction Summary(Lbs)----------

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
1	02-07	178	11	05-08	01-08	DFL	625
3	10-06	19	11	01-08	HGR	DFL	625
2	10-06	15	11	01-08	HGR	DFL	625

Max Horiz = 0 / +32 at Joint 1

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [10-06] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for loading combinations and additional details.

Notes

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 BCSI - B3.
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.00)	1- 3
Vert DL	L/120	L/999(0.00)	1- 3
Vert TL	L/180	L/999(-0.00)	1- 3
Horz LL	0.75in	(0.00)	@Jt 1
Horz TL	1.25in	(0.00)	@Jt 1
Ohng TL	2L/180	2L/999(-0.00)	1- 1

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(0,00-02)

REGISTERED PROFESSIONAL ENGINEER
97348PE
OREGON
JULY 13, 2021
AMIT KHAKUREL
2/11/2022

EXPIRES: Exp 06/30/2023

SIMPSON StrongTie

Component Solutions
Truss Studio V
2021.5.0.261

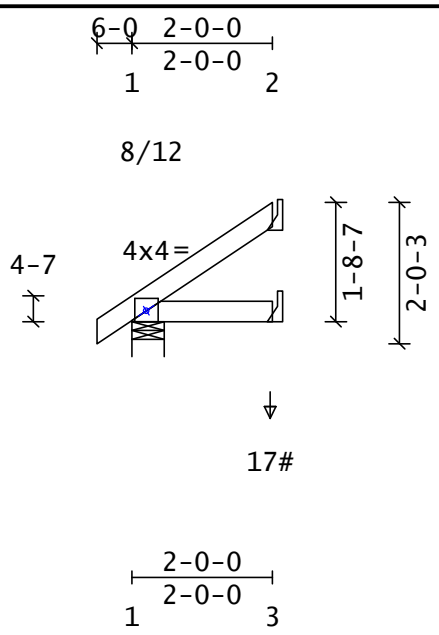
EngDrwg: 2021r5RGT_Eng

2201P-2350 - **Qty: 1** **Truss: EJ2**

Customer: EZ SIPS Corporation Green-R-Panel Systems

SID: 0001287516
TID: 145165
Date: 02 / 09 / 22
Page: 1 of 1

Truss Mfr. Contact: Don Kirk III



Truss Weight = 7.3 lb

Code/Design: IBC-2012/TPI-2007
PSF Live Dead Dur Factors
TC 25.0 10.0 Live Wind Snow
BC 0.0 10.0 Lum 1.15 1.60 1.15
Total 45.0 Plt 1.15 1.60 1.15
Spacing: 2-00-00 o.c. Plies: 1
Repetitive Member Increase: No
Green Lumber: No Wet Service: No
Fab Tolerance: 20% Creep (Kcr) = 1.5
OH Soffit Load: 2.0 psf

----------Snow Load Specs----------
ASCE7-10 Ground Snow(Pg) = 25.0 psf
Risk Cat: II Terrain Cat: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin): No
Unbalanced Snow Loads: Yes
Rain Surcharge: No Ice Dam Chk: No

----------Wind Load Specs----------
ASCE7-10 Wind Speed(V) = 135 mph
Risk Cat: II Exposure Cat: C
Bldg Dims: L = 45.0 ft B = 30.0 ft
M.R.H(h) = 15.0 ft Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 6.0 BC = 6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 3-00-00

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

Material Summary

TC 2x4 DFL #2
BC 2x4 DFL #2

Member Forces Summary

Max CSI in TC PANEL 1 - 2 0.06
Max CSI in BC PANEL 1 - 3 0.05

...Mem...		Ten	Comp	.CSI.
TC	OH- 1	35	0	0.03
	1- 2	48	58	0.06
BC	1- 3	0	0	0.05

Reaction Summary

----------Reaction Summary(Lbs)----------

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
1	02-07	226	6	05-08	01-08	DFL	625
3	2-00-00	72	0	01-08	HGR	DFL	625
2	2-00-00	86	34	01-08	HGR	DFL	625

Max Horiz = 0 / +61 at Joint 1

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [2-00-00] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for loading combinations and additional details.
Loads based on maximum and minimum reactions from tie-in spans

Mbr	Max	Min	Location	Dir	Description
Transfer loads:					
BC	17	-4	1-11-10	Vert	CJ1 @ -117 Deg

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.00)	1- 3
Vert DL	L/120	L/999(-0.00)	1- 3
Vert TL	L/180	L/999(-0.00)	1- 3
Horz LL	0.75in	(0.00)	@Jt 1
Horz TL	1.25in	(0.00)	@Jt 1
Ohng TL	2L/180	2L/999(-0.00)	1- 1

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(0,00-02)

REGISTERED PROFESSIONAL ENGINEER
97348PE
OREGON
JULY 13, 2021
AMIT KHAKUREL
2/11/2022

EXPIRES: Exp 06/30/2023

SIMPSON StrongTie

Component Solutions
Truss Studio V
2021.5.0.261

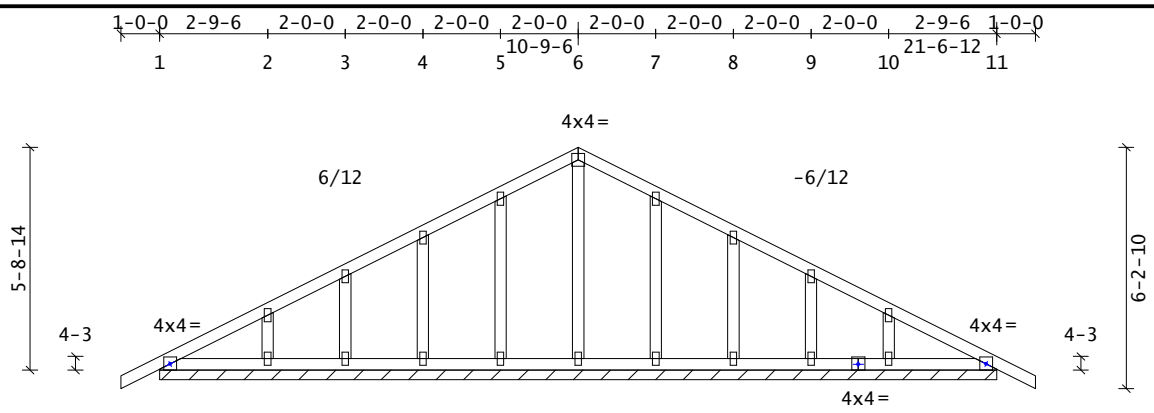
EngDrwg: 2021r5RGT_Eng

2201P-2350 - Qty: 2 Truss: T01

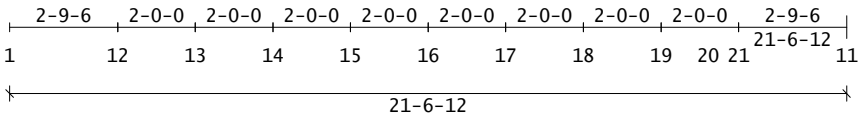
Customer: EZ SIPS Corporation Green-R-Panel Systems

SID: 0001287517
TID: 145165
Date: 02 / 09 / 22
Page: 1 of 1

Truss Mfr. Contact: Don Kirk III



Typical plate: 2x4



Truss Weight = 107.8 lb

```
Code/Design: IBC-2012/TPI-2007
PSF  Live  Dead        Dur Factors
TC   25.0  10.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.15  1.60  1.15
Total      45.0  Plt 1.15  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 1.5
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-10 Ground Snow(Pg) =  25.0 psf
Risk Cat: II  Terrain Cat: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-10  Wind Speed(V) = 135 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  45.0 ft  B =  30.0 ft
M.R.H(h) =  15.0 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  6.0 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 3-00-00
```

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

Material Summary

```
TC      2x4   DFL  #2
BC      2x4   DFL  #2
Webs    2x4   DFL  #3
```

Member Forces Summary

```
Max CSI in TC PANEL    1 -  1   0.14
Max CSI in BC PANEL    1 - 12   0.05
Max CSI in Web        16 -  6   0.09

...Mem...    Ten     Comp      .CSI.
TC   1- 6     57        0      0.14
     6-11     57        0      0.14
BC   1-20    152       37      0.05
    11-20    152       37      0.05
Web  2-12    153      240      0.04
     3-13    108      223      0.04
     4-14    124      222      0.06
     5-15    190      226      0.08
     6-16      0      174      0.09
     7-17    190      226      0.08
     8-18    124      222      0.06
     9-19    108      223      0.04
    10-21    153      240      0.04
```

Reaction Summary

```
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 11          96   16 21-06-12
Max Horiz =   -141 /   +141 at Joint  16
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [10-09-06] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for loading combinations and additional details.

Notes

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 BCSI - B3.
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.00) 21-11
Vert DL   L/120   L/999(-0.00) 21-11
Vert TL   L/180   L/999(-0.00) 21-11
Horz LL   0.75in       ( 0.00) @Jt 1
Horz TL   1.25in       ( 0.00) @Jt 1
Ohng TL  2L/180  2L/999( 0.00)  1- 1
Ohng TL  2L/180  2L/999( 0.00) 11-11
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(0,00-02), Jnt11(0,00-02),
Jnt20(0,00-04)

2/11/2022

EXPIRES: Exp 06/30/2023

SIMPSON StrongTie

Component Solutions
Truss Studio V
2021.5.0.261

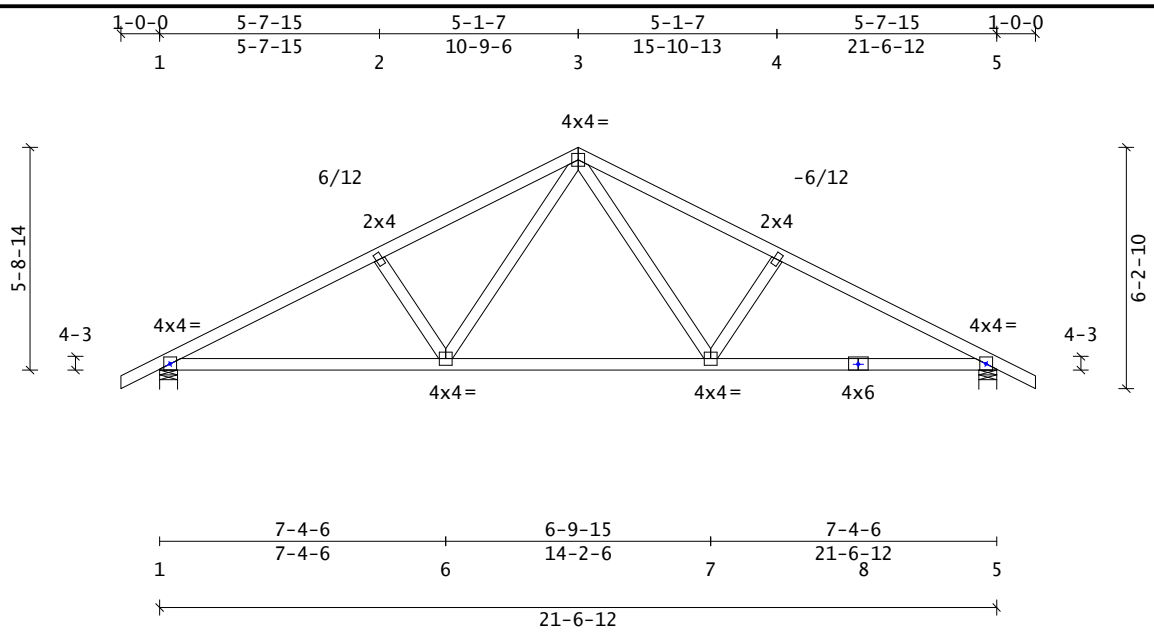
EngDrwg: 2021r5RGT_Eng

2201P-2350 - **Qty: 22** **Truss: T02**

Customer: EZ SIPS Corporation Green-R-Panel Systems

SID: 0001287518
TID: 145165
Date: 02 / 09 / 22
Page: 1 of 1

Truss Mfr. Contact: Don Kirk III



Truss Weight = 91.2 lb

```
Code/Design: IBC-2012/TPI-2007
PSF  Live  Dead        Dur Factors
TC   25.0  10.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.15  1.60  1.15
Total      45.0  Plt 1.15  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 1.5
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-10 Ground Snow(Pg) =  25.0 psf
Risk Cat: II  Terrain Cat: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-10  Wind Speed(V) = 135 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  45.0 ft  B =  30.0 ft
M.R.H(h) =  15.0 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  6.0 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 3-00-00
```

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

Material Summary

```
TC      2x4   DFL  #2
BC      2x4   DFL  #2
Webs    2x4   DFL  #3
```

Member Forces Summary

```
Max CSI in TC PANEL   2 -  3   0.46
Max CSI in BC PANEL   1 -  6   0.57
Max CSI in Web        6 -  3   0.18

...Mem...    Ten     Comp     .CSI.
TC  OH- 1     57        0     0.14
     1- 2    716     1619     0.43
     2- 3    715     1425     0.46
     3- 4    715     1425     0.46
     4- 5    716     1619     0.43
     5-OH     57        0     0.14
BC   1- 6   1380      506     0.57
     5- 8   1380      523     0.57
     6- 7    916      233     0.51
     7- 8   1380      523     0.57
Web  2- 6    319      368     0.09
     3- 6    531      217     0.18
     3- 7    531      217     0.18
     4- 7    319      368     0.09
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  1     02-12  1044  176    05-08 01-08    DFL  625
  5  21-04-00  1044  176    05-08 01-08    DFL  625
Max Horiz =   -141 /   +141 at Joint   1
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [10-09-06] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for loading combinations and additional details.

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.07)  6- 7
Vert DL   L/120   L/999(-0.10)  6- 7
Vert TL   L/180   L/999(-0.17)  6- 7
Horz LL   0.75in       ( 0.02) @Jt 5
Horz TL   1.25in       ( 0.05) @Jt 5
Ohng TL  2L/180  2L/999( 0.00)  1- 1
Ohng TL  2L/180  2L/999( 0.00)  5- 5
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(0,00-02), Jnt5(0,00-02),
Jnt8(0,00-04)

REGISTERED PROFESSIONAL ENGINEER
97348PE
OREGON
JULY 13, 2021
AMIT KHAKUREL

2/11/2022

EXPIRES: Exp 06/30/2023

SIMPSON StrongTie

Component Solutions
Truss Studio V
2021.5.0.261

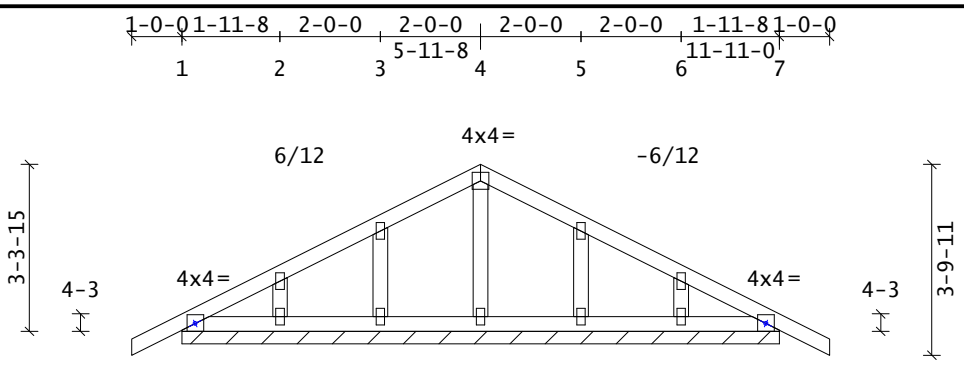
EngDrwg: 2021r5RGT_Eng

2201P-2350 - **Qty: 1** **Truss: T03**

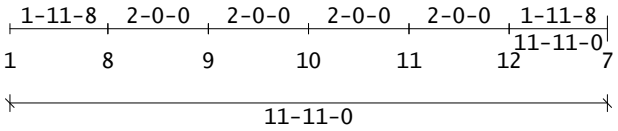
Customer: EZ SIPS Corporation Green-R-Panel Systems

SID: 0001287519
TID: 145165
Date: 02 / 09 / 22
Page: 1 of 1

Truss Mfr. Contact: Don Kirk III



Typical plate: 2x4



Truss Weight = 52.8 lb

```
Code/Design: IBC-2012/TPI-2007
PSF  Live  Dead        Dur Factors
TC   25.0  10.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.15  1.60  1.15
Total      45.0  Plt 1.15  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 1.5
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-10 Ground Snow(Pg) =  25.0 psf
Risk Cat: II  Terrain Cat: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-10  Wind Speed(V) = 135 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  45.0 ft  B =  30.0 ft
M.R.H(h) =  15.0 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  6.0 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 3-00-00
```

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

Material Summary

```
TC      2x4   DFL  #2
BC      2x4   DFL  #2
Webs    2x4   DFL  #3
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  1   0.14
Max CSI in BC PANEL   1 -  8   0.06
Max CSI in Web        9 -  3   0.05

...Mem...    Ten     Comp      .CSI.
TC   1- 4     57        0      0.14
     4- 7     57        0      0.14
BC   1- 7    123       30      0.06
Web  2- 8    136      209      0.04
     3- 9    211      231      0.05
     4-10     24      174      0.04
     5-11    211      231      0.05
     6-12    136      209      0.04
```

Reaction Summary

```
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 7          102   18 11-11-00
Max Horiz =    -75 /    +75 at Joint  10
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [5-11-08] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for loading combinations and additional details.

Notes

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 BCSI - B3.
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

```
TrussSpan Limit  Actual(in)    Location
Vert LL   L/240   L/999(-0.00)  8- 9
Vert DL   L/120   L/999(-0.00) 11-12
Vert TL   L/180   L/999(-0.00) 11-12
Horz LL   0.75in       ( 0.00) @Jt 7
Horz TL   1.25in       ( 0.00) @Jt 7
Ohng TL  2L/180  2L/999( 0.00)  1- 1
Ohng TL  2L/180  2L/999( 0.00)  7- 7
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(0,00-02), Jnt7(0,00-02)

2/11/2022

EXPIRES: Exp 06/30/2023

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2021.5.0.261

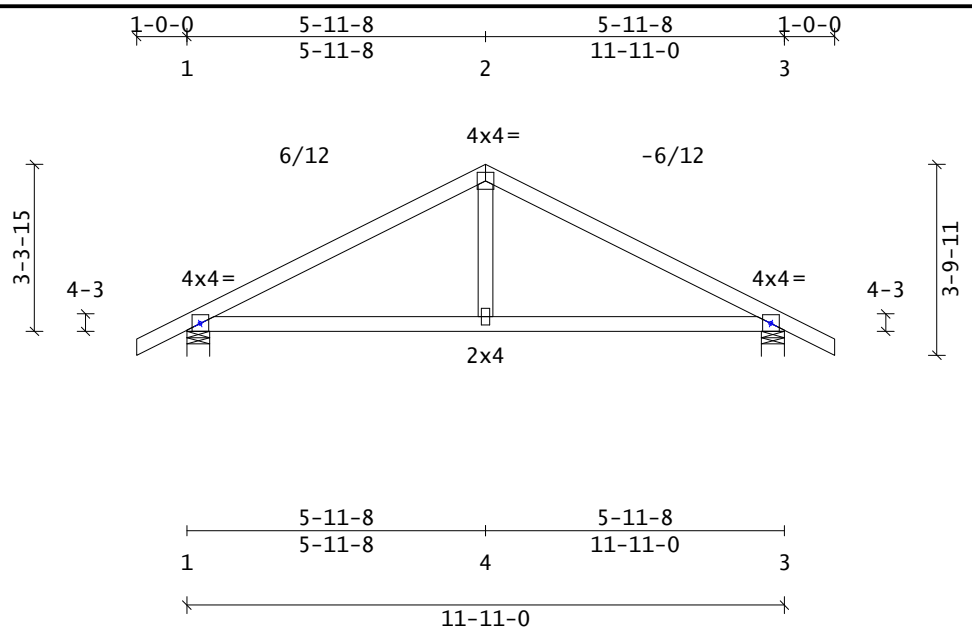
EngDrwg: 2021r5RGT_Eng

2201P-2350 - **Qty: 1** **Truss: T04**

Customer: EZ SIPS Corporation Green-R-Panel Systems

SID: 0001287520
TID: 145165
Date: 02 / 09 / 22
Page: 1 of 1

Truss Mfr. Contact: Don Kirk III



Truss Weight = 41.5 lb

Code/Design: IBC-2012/TPI-2007
PSF Live Dead Dur Factors
TC 25.0 10.0 Live Wind Snow
BC 0.0 10.0 Lum 1.15 1.60 1.15
Total 45.0 Plt 1.15 1.60 1.15
Spacing: 2-00-00 o.c. Plies: 1
Repetitive Member Increase: Yes
Green Lumber: No Wet Service: No
Fab Tolerance: 20% Creep (Kcr) = 1.5
OH Soffit Load: 2.0 psf

----------Snow Load Specs----------
ASCE7-10 Ground Snow(Pg) = 25.0 psf
Risk Cat: II Terrain Cat: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin): No
Unbalanced Snow Loads: Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00

----------Wind Load Specs----------
ASCE7-10 Wind Speed(V) = 135 mph
Risk Cat: II Exposure Cat: C
Bldg Dims: L = 45.0 ft B = 30.0 ft
M.R.H(h) = 15.0 ft Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 6.0 BC = 6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 3-00-00

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

Material Summary

TC 2x4 DFL #2
BC 2x4 DFL #2
Webs 2x4 DFL #3

Member Forces Summary

Max CSI in TC PANEL 1 - 2 0.52
Max CSI in BC PANEL 1 - 4 0.40
Max CSI in Web 4 - 2 0.09

...Mem...		Ten	Comp	.CSI.
TC	OH- 1	57	0	0.14
	1- 2	383	702	0.52
	2- 3	383	702	0.52
	3-OH	57	0	0.14
BC	1- 4	553	172	0.40
	3- 4	553	172	0.40
Web	2- 4	277	0	0.09

Reaction Summary

----------Reaction Summary(Lbs)----------

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
1	02-12	612	107	05-08	01-08	DFL	625
3	11-08-04	612	107	05-08	01-08	DFL	625

Max Horiz = -75 / +75 at Joint 1

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [5-11-08] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for loading combinations and additional details.

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.04)	4- 3
Vert DL	L/120	L/999(-0.04)	4- 3
Vert TL	L/180	L/999(-0.07)	4- 3
Horz LL	0.75in	(0.01)	@Jt 1
Horz TL	1.25in	(0.02)	@Jt 1
Ohng TL	2L/180	2L/999(0.00)	1- 1
Ohng TL	2L/180	2L/999(0.00)	3- 3

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(0,00-02), Jnt3(0,00-02)

REGISTERED PROFESSIONAL ENGINEER
97348PE
OREGON
JULY 13, 2021
AMIT KHAKUREL
2/11/2022

EXPIRES: Exp 06/30/2023

SIMPSON StrongTie

Component Solutions
Truss Studio V
2021.5.0.261

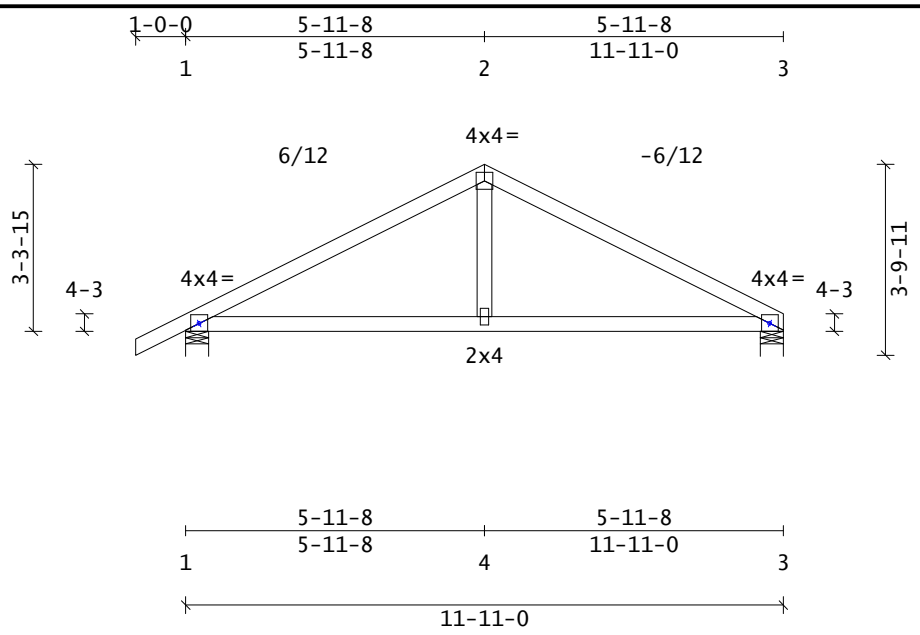
EngDrwg: 2021r5RGT_Eng

2201P-2350 - **Qty: 3** **Truss: T05**

Customer: EZ SIPS Corporation Green-R-Panel Systems

SID: 0001287521
TID: 145165
Date: 02 / 09 / 22
Page: 1 of 1

Truss Mfr. Contact: Don Kirk III



Truss Weight = 40.1 lb

Code/Design: IBC-2012/TPI-2007
PSF Live Dead Dur Factors
TC 25.0 10.0 Live Wind Snow
BC 0.0 10.0 Lum 1.15 1.60 1.15
Total 45.0 Plt 1.15 1.60 1.15
Spacing: 2-00-00 o.c. Plies: 1
Repetitive Member Increase: Yes
Green Lumber: No Wet Service: No
Fab Tolerance: 20% Creep (Kcr) = 1.5
OH Soffit Load: 2.0 psf

----------Snow Load Specs----------
ASCE7-10 Ground Snow(Pg) = 25.0 psf
Risk Cat: II Terrain Cat: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin): No
Unbalanced Snow Loads: Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00

----------Wind Load Specs----------
ASCE7-10 Wind Speed(V) = 135 mph
Risk Cat: II Exposure Cat: C
Bldg Dims: L = 45.0 ft B = 30.0 ft
M.R.H(h) = 15.0 ft Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 6.0 BC = 6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 3-00-00

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

Material Summary

TC 2x4 DFL #2
BC 2x4 DFL #2
Webs 2x4 DFL #3

Member Forces Summary

Max CSI in TC PANEL 2 - 3 0.53
Max CSI in BC PANEL 4 - 3 0.41
Max CSI in Web 4 - 2 0.09

...Mem...		Ten	Comp	.CSI.
TC	OH- 1	57	0	0.14
	1- 2	404	706	0.52
	2- 3	425	706	0.53
BC	1- 4	557	239	0.40
	3- 4	557	239	0.41
Web	2- 4	280	0	0.09

Reaction Summary

----------Reaction Summary(Lbs)----------

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
1	02-12	614	109	05-08	01-08	DFL	625
3	11-08-04	545	83	05-08	01-08	DFL	625

Max Horiz = -64 / +86 at Joint 1

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [5-11-08] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for loading combinations and additional details.

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.04)	4- 3
Vert DL	L/120	L/999(-0.04)	4- 3
Vert TL	L/180	L/999(-0.08)	4- 3
Horz LL	0.75in	(0.01)	@Jt 1
Horz TL	1.25in	(0.02)	@Jt 1
Ohng TL	2L/180	2L/999(0.00)	1- 1

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(0,00-02), Jnt3(0,00-02)

REGISTERED PROFESSIONAL ENGINEER
97348PE
OREGON
JULY 13, 2021
AMIT KHAKUREL
2/11/2022

EXPIRES: Exp 06/30/2023

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2021.5.0.261

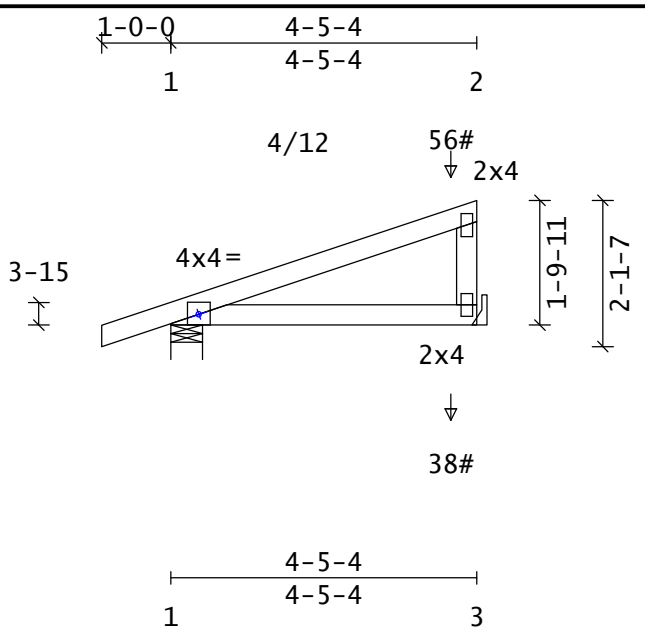
EngDrwg: 2021r5RGT_Eng

2201P-2350 - **Qty: 11** **Truss: T06**

Customer: EZ SIPS Corporation Green-R-Panel Systems

SID: 0001287522
TID: 145165
Date: 02 / 10 / 22
Page: 1 of 1

Truss Mfr. Contact: Don Kirk III



Truss Weight = 16.3 lb

```
Code/Design: IBC-2012/TPI-2007
PSF  Live  Dead        Dur Factors
TC   25.0  10.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.15  1.60  1.15
Total      45.0  Plt 1.15  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase:  No
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 1.5
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-10 Ground Snow(Pg) =  25.0 psf
Risk Cat: II  Terrain Cat: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-10  Wind Speed(V) = 135 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  45.0 ft  B =  30.0 ft
M.R.H(h) =  15.0 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  6.0 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 3-00-00
```

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

Material Summary

```
TC      2x4   DFL  #2
BC      2x4   DFL  #2
Webs    2x4   DFL  #3
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.38
Max CSI in BC PANEL   1 -  3   0.28
Max CSI in Web        3 -  2   0.08

...Mem...    Ten     Comp     .CSI.
TC  OH- 1     42        0     0.16
     1- 2     63      100     0.38
     2-OH      0        5     0.00
BC   1- 3      0       27     0.28
     3-OH      0        0     0.00
Web  2- 3    202      216     0.08
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  1     02-12   359   55    05-08 01-08    DFL  625
  3   4-03-08   291   63    01-08  HGR     DFL  625
Max Horiz =     -5 /    +69 at Joint   1
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [4-05-04] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for loading combinations and additional details.
Loads based on maximum and minimum reactions from tie-in spans

```
 Mbr       Max    Min  Location   Dir   Description
 Transfer loads:
  TC        56    -35   4-00-12   Vert  EJ2 @ 90 Deg
  BC        38      0   4-00-12   Vert  EJ2 @ 90 Deg
```

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.01)  1- 3
Vert DL   L/120   L/999(-0.02)  1- 3
Vert TL   L/180   L/999(-0.04)  1- 3
Horz LL   0.75in       ( 0.01) @Jt 1
Horz TL   1.25in       ( 0.01) @Jt 1
Ohng TL  2L/180  2L/999( 0.00)  1- 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(0,00-02)

REGISTERED PROFESSIONAL ENGINEER
97348PE
OREGON
JULY 13, 2021
AMIT KHAKUREL

2/11/2022

EXPIRES: Exp 06/30/2023

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2021.5.0.261

EngDrwg: 2021r5RGT_Eng