RB23053_RP - CHICAGO 2 UNITS ROOF | **Qty: 2** | **Truss: T01**

Customer: EZ SIPS Corporation

SID:
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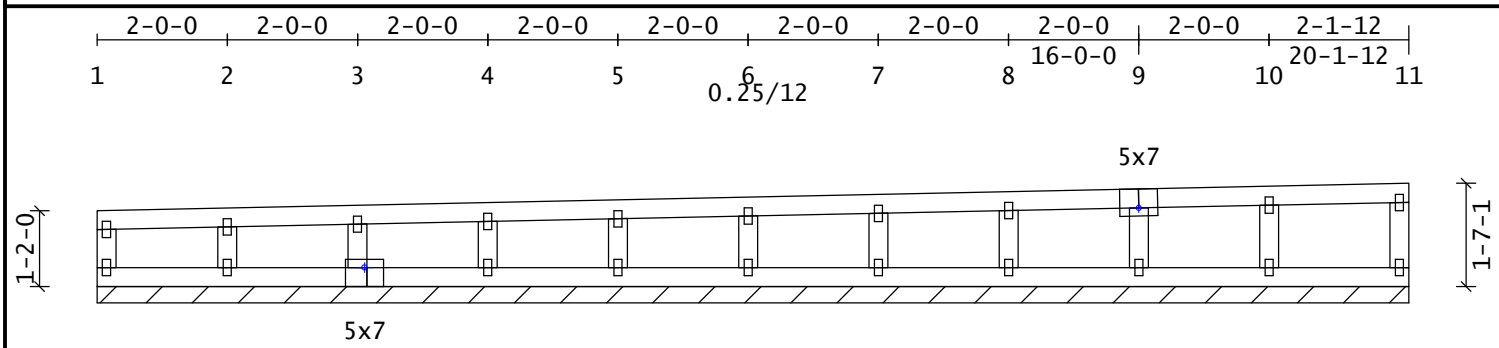
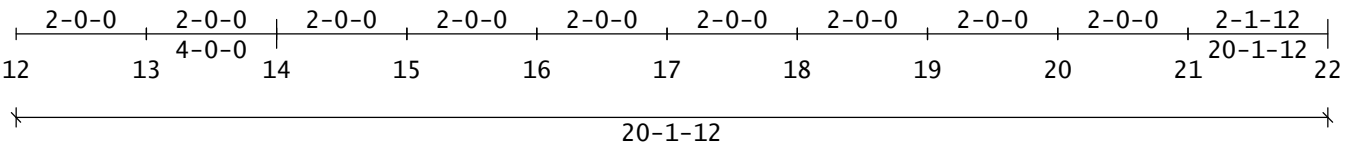


Typical plate: 1.5x3



Truss Weight = 65.0 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   30.0  10.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     50.0  Plt 1.25  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) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) =  30.0 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:      No
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  50.8 ft  B =  45.8 ft
M.R.H(h) =  20.3 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  5.0 BC =  5.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-06-14
```

```
-------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   SPF  #1/#2
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   2 -  3   0.20
Max CSI in BC PANEL  12 - 13   0.02
Max CSI in Web        3 - 14   0.05

...Mem...    Ten     Comp     .CSI.
TC   1- 9      6       28     0.20
     9-11     17       16     0.07
BC  12-14      0        8     0.02
    14-22     56       14     0.02
Web  1-12     83      102     0.01
     2-13    195      290     0.03
     3-14    301       64     0.05
     4-15    169      292     0.03
     5-16    149      216     0.02
     6-17    102      227     0.02
     7-18    101      225     0.02
     8-19    100      226     0.02
     9-20    111      223     0.02
    10-21    125      237     0.03
    11-22     56      117     0.02
```

Reaction Summary

```
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
 12- 22          99    9 20-01-12
Max Horiz =    -24 /    +39 at Joint  17
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [20-01-12] 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.
Less than 0.25/12 pitch requires adequate drainage to prevent ponding.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.00) 21-22
Vert DL   L/120   L/999(-0.00) 21-22
Vert CR   L/180   L/999(-0.00) 21-22
Horz LL   0.75in       ( 0.00) @Jt12
Horz CR   1.25in       ( 0.00) @Jt12
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt9(0,01-00), Jnt14(0,-01-00)

Component Solutions
Truss Studio V
2023.1.0.84

RB23053_RP - CHICAGO 2 UNITS ROOF | **Qty: 8** | **Truss: T02**

Customer: EZ SIPS Corporation

SID:
TID: RB23053_RP
Date: 10 / 24 / 23
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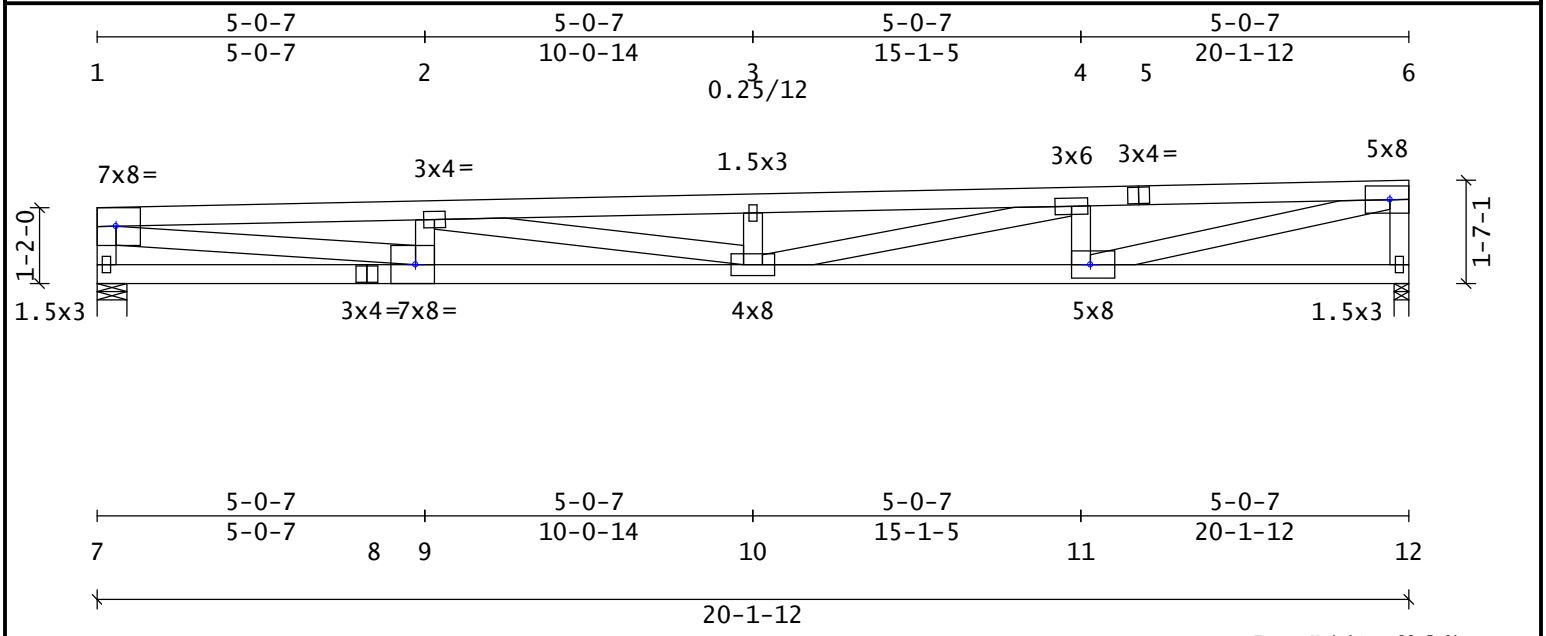

Truss Weight = 89.5 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   30.0  10.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total      50.0  Plt 1.25  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) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) =  30.0 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:      No
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  50.8 ft  B =  45.8 ft
M.R.H(h) =  20.3 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  5.0 BC =  5.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-06-14
```

```
-------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   SPF  #1/#2
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.76
Max CSI in BC PANEL   9 - 10   1.00
Max CSI in Web        1 -  9   0.87

...Mem...    Ten     Comp     .CSI.
TC  OH- 1      0        0     0.00
     1- 2   1535     3803     0.76
     2- 3   1810     4582     0.73
     3- 4   1815     4582     0.68
     4- 5   1288     3202     0.42
     5- 6   1289     3201     0.62
     6-OH      0        0     0.00
BC  OH- 7      0        0     0.00
     7- 8      0       58     0.36
     8- 9      0       58     0.15
     9-10   3799     1531     1.00
    10-11   3197     1310     0.83
    11-12      0       15     0.34
    12-OH      0        0     0.00
Web  1- 7    437      946     0.11
     1- 9   3860     1561     0.87
     2- 9    342      593     0.07
     2-10    792      308     0.18
     3-10    229      381     0.04
     4-10   1418      565     0.32
     4-11    403      739     0.08
     6-11   3306     1345     0.74
     6-12    443      954     0.11
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  7     01-12  1007   95    05-08 01-09    SPF  425
 12  20-00-00  1007   97    02-12 01-09    SPF  425
Max Horiz =    -24 /    +39 at Joint   7
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [20-01-12] 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.
Less than 0.25/12 pitch requires adequate drainage to prevent ponding.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/500(-0.48)  9-10
Vert DL   L/120   L/741(-0.32)  9-10
Vert CR   L/180   L/298(-0.80)  9-10
Horz LL   0.75in       ( 0.03) @Jt12
Horz CR   1.25in       ( 0.06) @Jt12
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-08,-00-01), Jnt6(-00-08,0), Jnt9(-00-08,0), Jnt11(00-08,0)

Component Solutions
Truss Studio V
2023.1.0.84

EngDrwg: 2021r5RGT

RB23053_RP - CHICAGO 2 UNITS ROOF | **Qty: 14** | **Truss: T03**

Customer: EZ SIPS Corporation

SID:
TID: RB23053_RP
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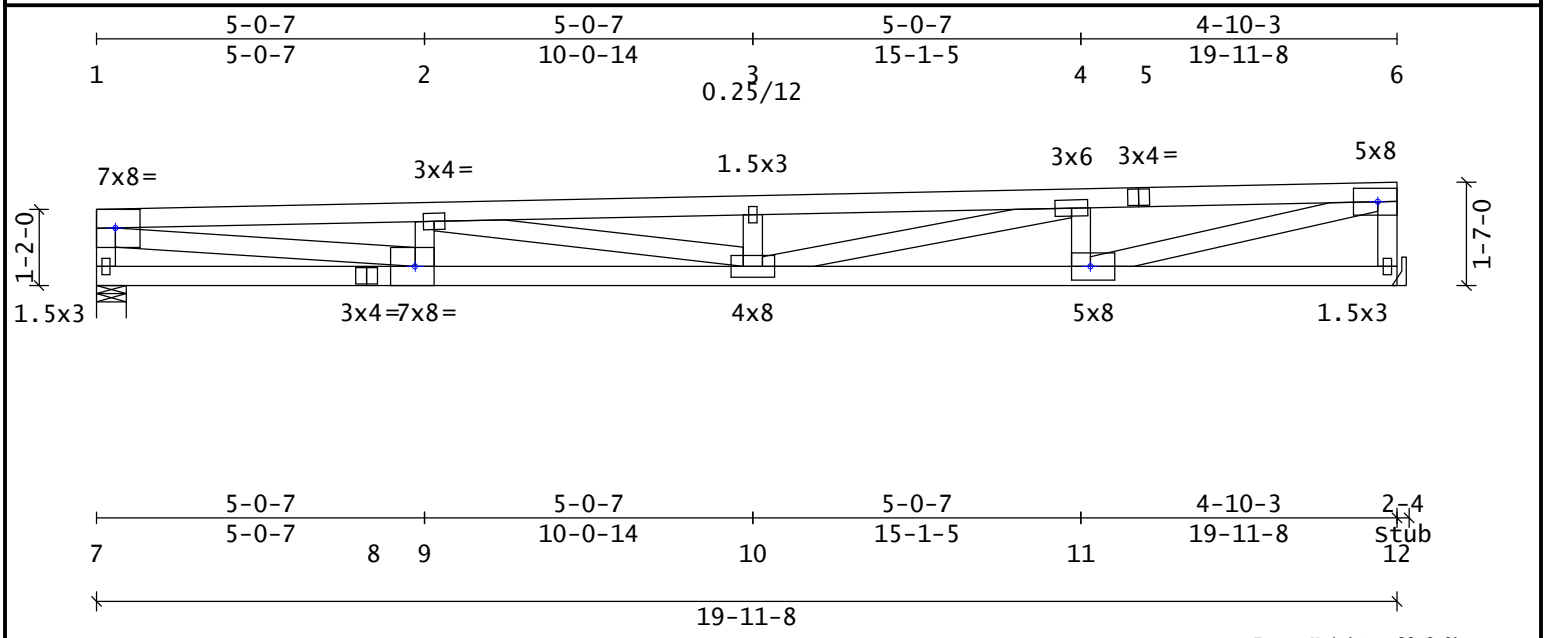

Truss Weight = 89.0 lb

Code/Design: IBC-2021/TPI-2014

PSF	Live	Dead		Dur Factors		
TC	30.0	10.0		Live	Wind	Snow
BC	0.0	10.0	Lum	1.25	1.60	1.15
Total		50.0	Plt	1.25	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) = 2.0
OH Soffit Load: 2.0 psf

----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 30.0 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: No
Rain Surcharge: No Ice Dam Chk: No

----------Wind Load Specs----------
ASCE7-16 Wind Speed(V) = 115 mph
Risk Cat: II Exposure Cat: C
Bldg Dims: L = 50.8 ft B = 45.8 ft
M.R.H(h) = 20.3 ft Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 5.0 BC = 5.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-06-14

-------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	SPF	#1/#2
BC	2x4	SPF	#1/#2
Webs	2x4	SPF	#1/#2

Member Forces Summary

Max CSI in TC PANEL	1 - 2	0.75
Max CSI in BC PANEL	9 - 10	0.99
Max CSI in Web	1 - 9	0.86

...Mem...		Ten	Comp	.CSI.
TC	OH- 1	0	0	0.00
	1- 2	1517	3758	0.75
	2- 3	1777	4500	0.71
	3- 4	1783	4499	0.67
	4- 5	1241	3081	0.40
	5- 6	1242	3080	0.55
	6-OH	0	0	0.00
BC	OH- 7	0	0	0.00
	7- 8	0	58	0.35
	8- 9	0	58	0.15
	9-10	3753	1513	0.99
	10-11	3076	1263	0.81
	11-12	0	15	0.31
	12-OH	0	0	0.00
Web	1- 7	433	937	0.11
	1- 9	3813	1543	0.86
	2- 9	338	585	0.07
	2-10	755	293	0.17
	3-10	231	383	0.04
	4-10	1457	580	0.33
	4-11	401	738	0.08
	6-11	3189	1300	0.72
	6-12	438	947	0.11

Reaction Summary

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

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
7	01-12	997	95	05-08	01-09	SPF	425
12	19-09-12	997	96	01-08	HGR	SPF	425

Max Horiz = -24 / +39 at Joint 7

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [19-11-08] 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.
Less than 0.25/12 pitch requires adequate drainage to prevent ponding.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/513(-0.46)	9-10
Vert DL	L/120	L/758(-0.31)	9-10
Vert CR	L/180	L/306(-0.77)	9-10
Horz LL	0.75in	(0.03)	@Jt12
Horz CR	1.25in	(0.06)	@Jt12

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-08,-00-01), Jnt6(-00-08,0), Jnt9(-00-08,0), Jnt11(00-08,0)

Component Solutions
Truss Studio V
2023.1.0.84

EngDrwg: 2021r5RGT

RB23053_RP - CHICAGO 2 UNITS ROOF | **Qty: 2** | **Truss: T04**

Customer: EZ SIPS Corporation

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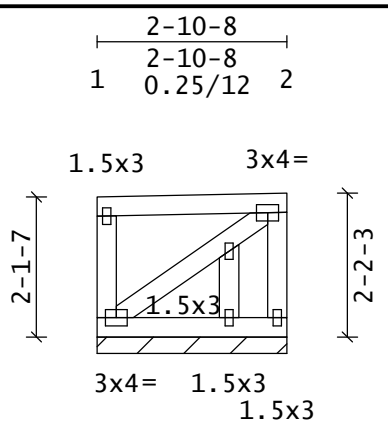

Truss Weight = 16.7 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   30.0  10.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total      50.0  Plt 1.25  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) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) =  30.0 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:      No
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  50.8 ft  B =  45.8 ft
M.R.H(h) =  20.3 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  5.0 BC =  5.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-06-14
```

```
-------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   SPF  #1/#2
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.17
Max CSI in BC PANEL   3 -  4   0.01
Max CSI in Web        5 -  2   0.06

...Mem...    Ten     Comp     .CSI.
TC  OH- 1      0        0     0.00
     1- 2     41       25     0.17
     2-OH      0        0     0.00
BC  OH- 3      0        0     0.00
     3- 4    102       81     0.01
     4- 5     39       29     0.01
     5-OH      0        0     0.00
Web  1- 3    137      166     0.05
     2- 3     65       80     0.01
     2- 5    183      166     0.06
```

Reaction Summary

```
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  3- 5          123    9  2-10-08
Max Horiz =    -54 /    +56 at Joint   4
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [2-10-08] 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.
Less than 0.25/12 pitch requires adequate drainage to prevent ponding.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.00)  3- 4
Vert DL   L/120   L/999(-0.00)  3- 4
Vert CR   L/180   L/999(-0.00)  3- 4
Horz LL   0.75in       ( 0.00) @Jt 3
Horz CR   1.25in       ( 0.00) @Jt 3
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

Component Solutions
Truss Studio V
2023.1.0.84

EngDrwg: 2021r5RGT

RB23053_RP - CHICAGO 2 UNITS ROOF | **Qty: 2** | **Truss: T05**

Customer: EZ SIPS Corporation

SID:
TID: RB23053_RP
Date: 10 / 24 / 23
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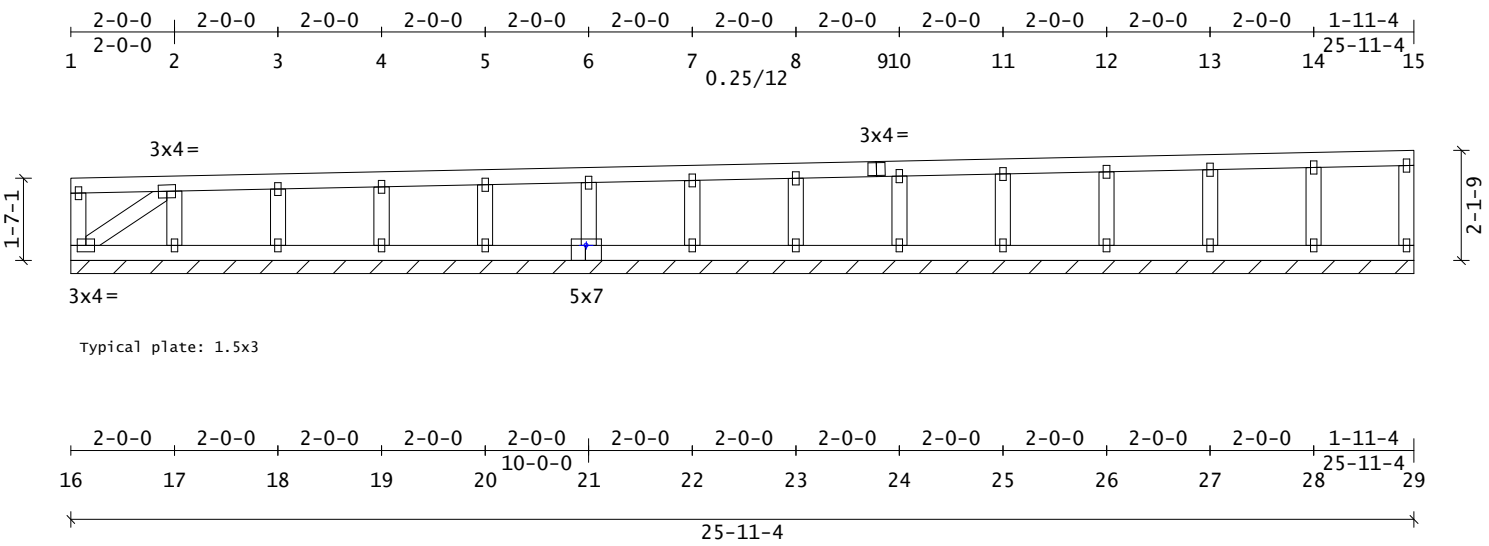


Typical plate: 1.5x3

Truss Weight = 90.7 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   30.0  10.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total      50.0  Plt 1.25  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) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) =  30.0 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:      No
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  50.8 ft  B =  45.8 ft
M.R.H(h) =  20.3 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  5.0 BC =  5.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-06-14
```

```
-------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   SPF  #1/#2
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.06
Max CSI in BC PANEL  16 - 17   0.02
Max CSI in Web       26 - 12   0.03

...Mem...    Ten     Comp     .CSI.
TC   1- 9     18       13     0.06
     9-15     14       33     0.05
BC  16-21     83       24     0.02
    21-29     79       24     0.02
Web  1-16     44      109     0.01
     2-16     20       81     0.00
     2-17    141      231     0.02
     3-18     95      225     0.02
     4-19     90      225     0.02
     5-20     90      225     0.02
     6-21     90      225     0.02
     7-22     90      225     0.02
     8-23     90      224     0.02
    10-24     90      224     0.02
    11-25     90      225     0.02
    12-26     90      224     0.03
    13-27     96      224     0.03
    14-28    106      227     0.03
    15-29     44      106     0.02
```

Reaction Summary

```
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
 16- 29         100    9 25-11-04
Max Horiz =    -39 /    +59 at Joint  22
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [25-11-04] 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.
Less than 0.25/12 pitch requires adequate drainage to prevent ponding.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.00) 16-17
Vert DL   L/120   L/999(-0.00) 16-17
Vert CR   L/180   L/999(-0.00) 16-17
Horz LL   0.75in       ( 0.00) @Jt16
Horz CR   1.25in       ( 0.00) @Jt16
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt21(0,-01-00)

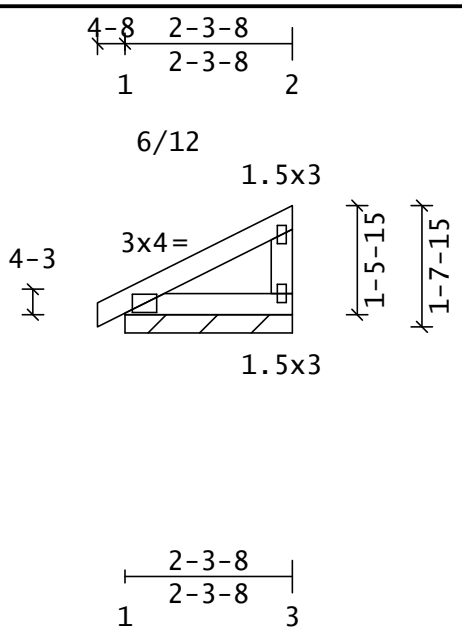
Component Solutions
Truss Studio V
2023.1.0.84

EngDrwg: 2021r5RGT

RB23053_RP - CHICAGO 2 UNITS ROOF | **Qty: 4** | **Truss: T06**

Customer: EZ SIPS Corporation

SID:
TID: RB23053_RP
Date: 10 / 24 / 23
Page: 1 of 1



Truss Weight = 7.9 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   30.0  10.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total      50.0  Plt 1.25  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) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) =  30.0 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:      No
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  50.8 ft  B =  45.8 ft
M.R.H(h) =  20.3 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  5.0 BC =  5.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-06-14
```

```
-------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   SPF  #1/#2
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.06
Max CSI in BC PANEL   1 -  3   0.06
Max CSI in Web        3 -  2   0.03

...Mem...    Ten     Comp     .CSI.
TC  OH- 1     23        0     0.01
     1- 2     42       82     0.06
     2-OH      0        7     0.00
BC   1- 3    153       34     0.06
     3-OH      0        0     0.00
Web  2- 3    143      111     0.03
```

Reaction Summary

```
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 3          148   11  2-03-08
Max Horiz =    -17 /    +41 at Joint   3
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [2-03-08] 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)  1- 3
Vert DL   L/120   L/999(-0.00)  1- 3
Vert CR   L/180   L/999(-0.00)  1- 3
Horz LL   0.75in       ( 0.00) @Jt 1
Horz CR   1.25in       ( 0.00) @Jt 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

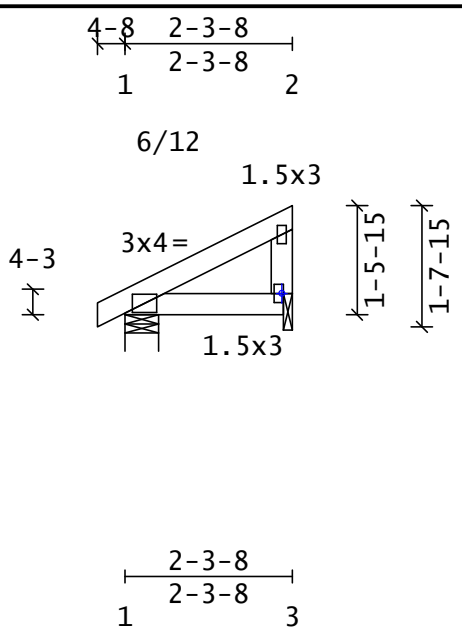
Component Solutions
Truss Studio V
2023.1.0.84

EngDrwg: 2021r5RGT

RB23053_RP - CHICAGO 2 UNITS ROOF | **Qty: 8** | **Truss: T07**

Customer: EZ SIPS Corporation

SID:
TID: RB23053_RP
Date: 10 / 24 / 23
Page: 1 of 1



Truss Weight = 7.8 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   30.0  10.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total      50.0  Plt 1.25  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) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) =  30.0 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:      No
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  50.8 ft  B =  45.8 ft
M.R.H(h) =  20.3 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  5.0 BC =  5.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-06-14
```

```
-------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   SPF  #1/#2
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.06
Max CSI in BC PANEL   1 -  3   0.06
Max CSI in Web        3 -  2   0.03

...Mem...    Ten     Comp     .CSI.
TC  OH- 1     23        0     0.01
     1- 2     43       83     0.06
     2-OH      0        7     0.00
BC   1- 3    153       34     0.06
Web  2- 3    144      113     0.03
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  1     02-12   218   12    05-08 01-08    SPF  425
  3   2-01-12   140   15    01-08 01-08    SPF  425
Max Horiz =    -17 /    +41 at Joint   1
Max Horiz =    -17 /    +41 at Joint   3
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [2-03-08] 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(-0.00)  1- 3
Vert DL   L/120   L/999(-0.00)  1- 3
Vert CR   L/180   L/999(-0.00)  1- 3
Horz LL   0.75in       ( 0.00) @Jt 1
Horz CR   1.25in       ( 0.00) @Jt 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt3(-00-08,0)

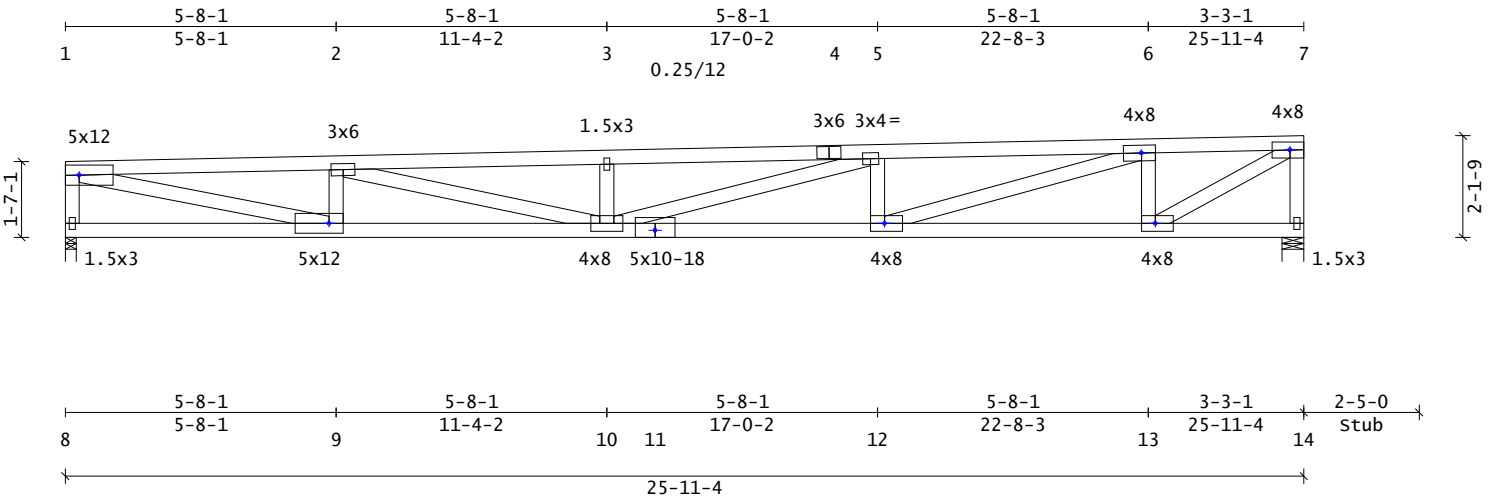
Component Solutions
Truss Studio V
2023.1.0.84

EngDrwg: 2021r5RGT

RB23053_RP - CHICAGO 2 UNITS ROOF | **Qty: 6** | **Truss: T08**

Customer: EZ SIPS Corporation

SID:
TID: RB23053_RP
Date: 10 / 24 / 23
Page: 1 of 1



Truss Weight = 121.3 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   30.0  10.0       Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total      50.0  Plt 1.25  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) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) =  30.0 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:      No
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  50.8 ft  B =  45.8 ft
M.R.H(h) =  20.3 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  5.0 BC =  5.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-06-14
```

```
-------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   SPF  1650/1.5
        2x4   SPF  #1/#2  4-7
BC      2x4   SPF  1650/1.5
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   4 -  5   0.75
Max CSI in BC PANEL  11 - 12   0.77
Max CSI in Web        1 -  9   0.94

...Mem...    Ten      Comp      .CSI.
TC  OH- 1      0         0      0.00
     1- 2   1394      4065      0.65
     2- 3   1830      5365      0.60
     3- 4   1836      5364      0.62
     4- 5   1837      5357      0.75
     5- 6   1578      4590      0.73
     6- 7    737      2101      0.39
     7-OH      0         0      0.00
BC  OH- 8      0         0      0.00
     8- 9      0        79      0.33
     9-10   4060      1438      0.70
    10-11   4585      1596      0.71
    11-12   4585      1596      0.77
    12-13   2097       747      0.40
    13-14      0        22      0.16
    14-OH      0         0      0.00
Web  1- 8    475      1238      0.15
     1- 9   4171      1438      0.94
     2- 9    397       842      0.10
     2-10   1338       443      0.30
     3-10    240       438      0.05
     5-10    806       283      0.18
     5-12    327       669      0.08
     6-12   2606       889      0.59
     6-13    478      1128      0.14
     7-13   2435       851      0.55
     7-14    469      1276      0.16
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  8     01-12  1296  123    02-12 02-01    SPF  425
 14  25-09-08  1296  125    05-08 02-01    SPF  425
Max Horiz =    -39 /    +59 at Joint   8
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [25-11-04] 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. Less than 0.25/12 pitch requires adequate drainage to prevent ponding.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/544(-0.57) 10-12
Vert DL   L/120   L/799(-0.39) 10-12
Vert CR   L/180   L/324(-0.95) 10-12
Horz LL   0.75in       ( 0.06) @Jt14
Horz CR   1.25in       ( 0.09) @Jt14
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(02-08,0), Jnt6(-00-08,0), Jnt7(-00-08,0), Jnt9(-02-08,0), Jnt11(0,00-12), Jnt12(00-08,0), Jnt13(00-08,0)

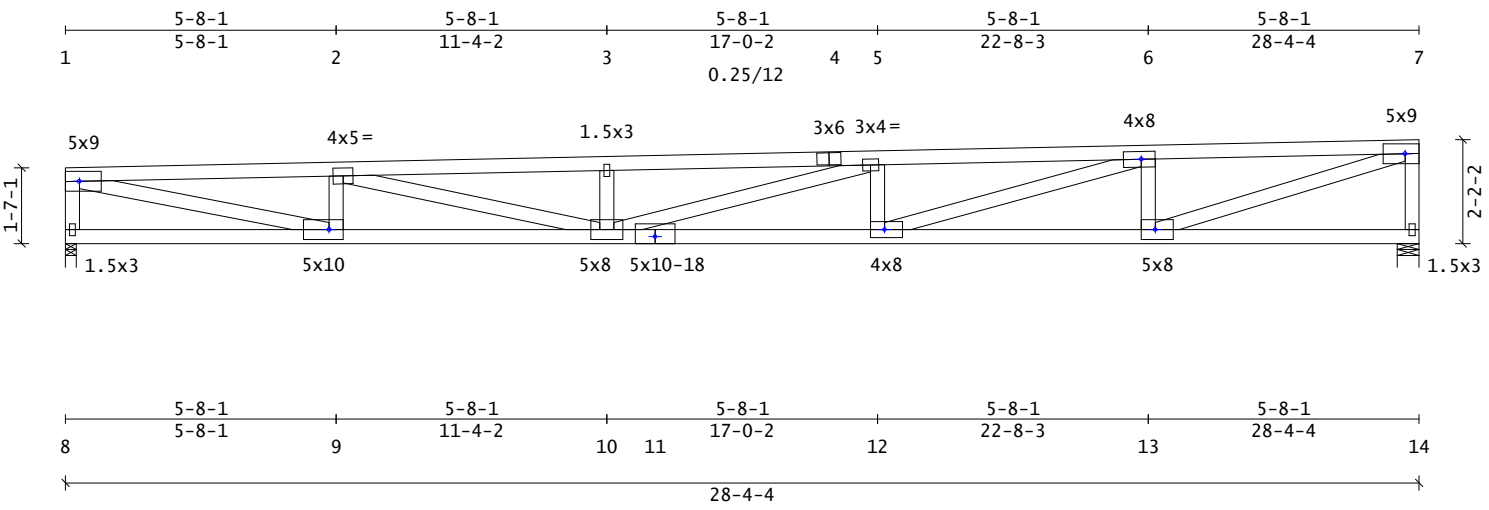
Component Solutions
Truss Studio V
2023.1.0.84

EngDrwg: 2021r5RGT

RB23053_RP - CHICAGO 2 UNITS ROOF | **Qty: 2** | **Truss: T09**

Customer: EZ SIPS Corporation

SID:
TID: RB23053_RP
Date: 10 / 24 / 23
Page: 1 of 1



Truss Weight = 129.3 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   30.0  10.0       Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total      50.0  Plt 1.25  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) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) =  30.0 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:      No
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  50.8 ft  B =  45.8 ft
M.R.H(h) =  20.3 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  5.0 BC =  5.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-06-14
```

```
-------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   SPF  1650/1.5
        2x4   SPF  #1/#2  4-7
BC      2x4   SPF  1650/1.5
Webs    2x4   SPF  #1/#2
        2x4   SPF  1650/1.5  1-9
```

Member Forces Summary

```
Max CSI in TC PANEL   5 -  6   0.88
Max CSI in BC PANEL  11 - 12   0.94
Max CSI in Web       13 -  7   0.87
```

...Mem...	Ten	Comp	.CSI.
TC OH- 1	0	0	0.00
1- 2	1552	4533	0.70
2- 3	2126	6238	0.66
3- 4	2132	6237	0.75
4- 5	2132	6230	0.84
5- 6	1988	5802	0.88
6- 7	1266	3662	0.81
7-OH	0	0	0.00
BC OH- 8	0	0	0.00
8- 9	0	83	0.33
9-10	4528	1600	0.77
10-11	5797	2009	0.89
11-12	5797	2009	0.94
12-13	3656	1281	0.61
13-14	0	23	0.32
14-OH	0	0	0.00
Web 1- 8	515	1358	0.16
1- 9	4651	1600	0.69
2- 9	433	951	0.11
2-10	1756	584	0.39
3-10	243	442	0.05
5-10	565	164	0.12
5-12	283	559	0.07
6-12	2242	763	0.50
6-13	496	1124	0.14
7-13	3863	1338	0.87
7-14	521	1363	0.17

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  8     01-12  1417  135    02-12 02-04    SPF  425
 14  28-02-08  1417  137    05-08 02-04    SPF  425
Max Horiz =    -40 /    +61 at Joint   8
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [28-04-04] 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. Less than 0.25/12 pitch requires adequate drainage to prevent ponding.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/437(-0.77) 10-12
Vert DL   L/120   L/638(-0.53) 10-12
Vert CR   L/180   L/259(-1.30) 10-12
Horz LL   0.75in       ( 0.07) @Jt14
Horz CR   1.25in       ( 0.12) @Jt14
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(01-00,0), Jnt6(-00-08,0), Jnt7(-01-00,0), Jnt9(-01-08,0), Jnt11(0,00-12), Jnt12(00-08,0), Jnt13(00-08,0)

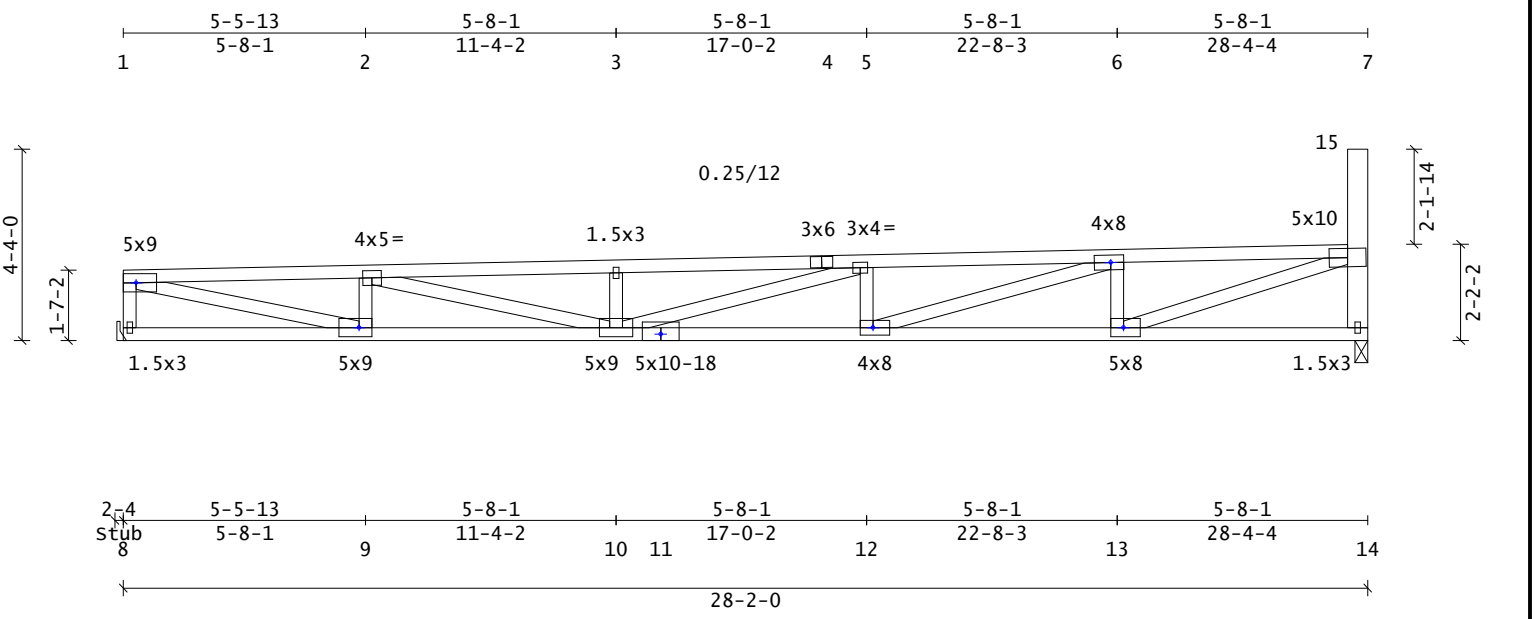
Component Solutions
Truss Studio V
2023.1.0.84

EngDrwg: 2021r5RGT

RB23053_RP - CHICAGO 2 UNITS ROOF | **Qty: 10** | **Truss: T10**

Customer: EZ SIPS Corporation

SID:
TID: RB23053_RP
Date: 10 / 24 / 23
Page: 1 of 1



Truss Weight = 133.5 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   30.0  10.0       Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total      50.0  Plt 1.25  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) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) =  30.0 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:      No
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  50.8 ft  B =  45.8 ft
M.R.H(h) =  20.3 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  5.0 BC =  5.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-06-14
```

```
-------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   SPF  1650/1.5
        2x4   SPF  #1/#2  4-7
BC      2x4   SPF  1650/1.5
Webs    2x4   SPF  #1/#2
        2x4   SPF  1650/1.5  1-9
        2x6   SPF  #1/#2 14-15
```

Member Forces Summary

```
Max CSI in TC PANEL   5 -  6   0.85
Max CSI in BC PANEL  11 - 12   0.93
Max CSI in Web       13 -  7   0.85
```

...Mem...	Ten	Comp	.CSI.
TC OH- 1	0	0	0.00
1- 2	1545	4364	0.63
2- 3	2174	6107	0.66
3- 4	2180	6107	0.74
4- 5	2180	6099	0.81
5- 6	2084	5697	0.85
6- 7	1402	3579	0.74
BC OH- 8	0	0	0.00
8- 9	0	205	0.31
9-10	4360	1613	0.74
10-11	5692	1964	0.88
11-12	5692	1964	0.93
12-13	3573	1225	0.60
13-14	0	51	0.31
14-OH	0	0	0.00
Web 1- 8	523	1347	0.16
1- 9	4488	1597	0.67
2- 9	444	952	0.11
2-10	1794	640	0.40
3-10	245	444	0.05
5-10	550	195	0.12
5-12	291	552	0.07
6-12	2219	787	0.50
6-13	501	1114	0.14
7-13	3781	1339	0.85
7-14	510	1321	0.18
7-15	0	0	0.12

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  8     04-00  1404  145    01-08  HGR     SPF  425
 14  28-01-08  1375  139    03-08 02-03    SPF  425
Max Horiz =   -150 /   +169 at Joint   8
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [27-10-12] 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.
Less than 0.25/12 pitch requires adequate drainage to prevent ponding.
Some dimensions shown above include left stub dimension. Any load information shown is referenced to the non-stub left end location.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/452(-0.74) 10-12
Vert DL   L/120   L/659(-0.51) 10-12
Vert CR   L/180   L/268(-1.24) 10-12
Horz LL   0.75in       ( 0.07) @Jt14
Horz CR   1.25in       ( 0.12) @Jt14
PPT  LL  2L/120  2L/495( 0.11)  7-15
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(01-00,0), Jnt6(-00-08,0),
Jnt9(-01-00,0), Jnt11(0,00-12),
Jnt12(00-08,0), Jnt13(00-08,0)

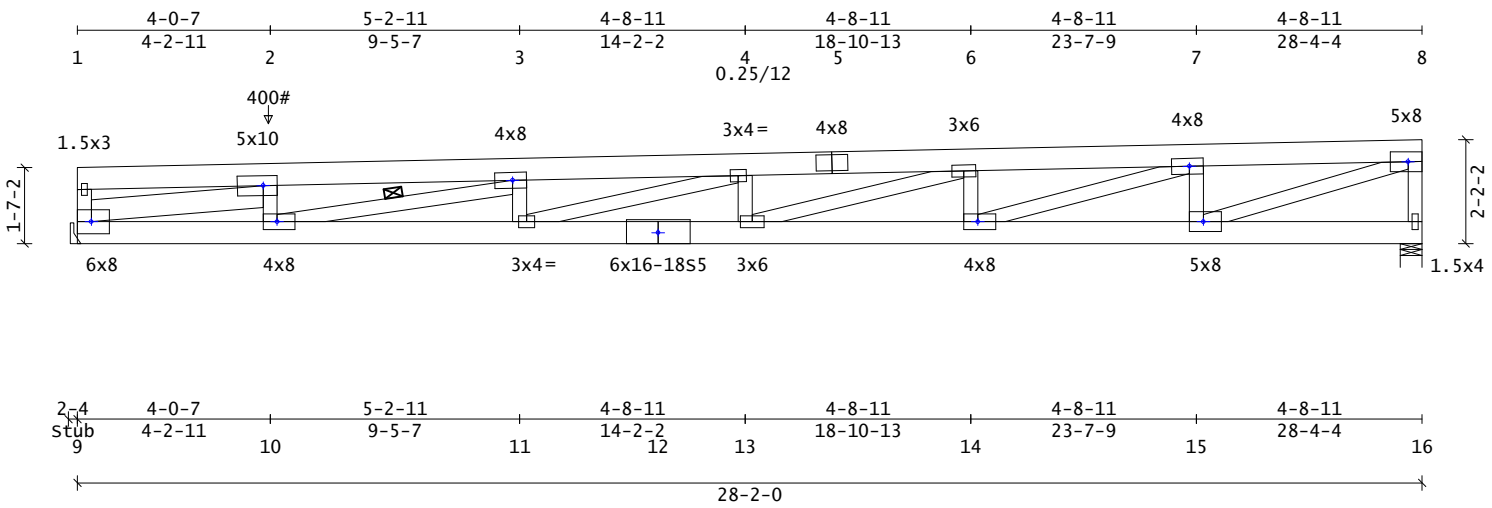
Component Solutions
Truss Studio V
2023.1.0.84

EngDrwg: 2021r5RGT

RB23053_RP - CHICAGO 2 UNITS ROOF | **Qty: 4** | **Truss: T11A**

Customer: EZ SIPS Corporation

SID:
TID: RB23053_RP
Date: 10 / 24 / 23
Page: 1 of 1



Truss Weight = 173.3 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC    30.0  10.0       Live  Wind  Snow
BC     0.0  10.0  Lum 1.25  1.60  1.15
Total      50.0  Plt 1.25  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) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) =  30.0 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:      No
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  50.8 ft  B =  45.8 ft
M.R.H(h) =  20.3 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  5.0 BC =  5.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-06-14
```

```
-------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      2x6   SPF  #1/#2
BC      2x6   SPF  1650/1.5
Webs    2x4   SPF  #1/#2
        2x6   SPF  #1/#2  9-2
```

Member Forces Summary

```
Max CSI in TC PANEL   3 -  4   0.67
Max CSI in BC PANEL  11 - 12   0.88
Max CSI in Web        9 -  2   0.90

...Mem...    Ten      Comp      .CSI.
TC  OH- 1      0         0      0.00
     1- 2     13         8      0.22
     2- 3    843      4866      0.51
     3- 4   1746      7007      0.67
     4- 5   2012      7198      0.62
     5- 6   2013      7195      0.65
     6- 7   1745      5914      0.46
     7- 8   1063      3459      0.28
     8-OH      0         0      0.00
BC  OH- 9      0         0      0.00
     9-10   4860       875      0.54
    10-11   7002      1774      0.85
    11-12   7192      2036      0.88
    12-13   7192      2036      0.87
    13-14   5909      1762      0.72
    14-15   3454      1078      0.45
    15-16      0        18      0.12
    16-OH      0         0      0.00
Web  1- 9     74       219      0.02
     2- 9    881      5093      0.90
     2-10    628       195      0.14
     3-10    927      2209      0.37
     3-11    192        22      0.04
     4-11    356       268      0.11
     4-13    133       320      0.04
     6-13   1348       287      0.30
     6-14    284       754      0.09
     7-14   2595       726      0.58
     7-15    455      1200      0.14
     8-15   3689      1138      0.83
     8-16    480      1402      0.17
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  9     04-00  1752    0    01-08  HGR     SPF  425
 16  28-02-08  1464  107    05-08 02-05     SPF  425
Max Horiz =    -28 /    +50 at Joint   9
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [28-04-04] 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
 User loads:
  TC       400     200   4-02-04   Vert  AC UNIT @ 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.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE. Alternatively, see D-WEBREINFORCE.
Less than 0.25/12 pitch requires adequate drainage to prevent ponding.
Some dimensions shown above include left stub dimension. Any load information shown is referenced to the non-stub left end location.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/580(-0.58) 11-13
Vert DL   L/120   L/704(-0.47) 11-13
Vert CR   L/180   L/318(-1.05) 11-13
Horz LL   0.75in       ( 0.07) @Jt16
Horz CR   1.25in       ( 0.13) @Jt16
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:   10- 3
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt2(-01-08,0), Jnt3(-00-08,0), Jnt7(-00-08,0), Jnt8(-00-08,0), Jnt9(00-08,0), Jnt10(00-08,0), Jnt12(0,00-04), Jnt14(00-08,0), Jnt15(00-08,0)

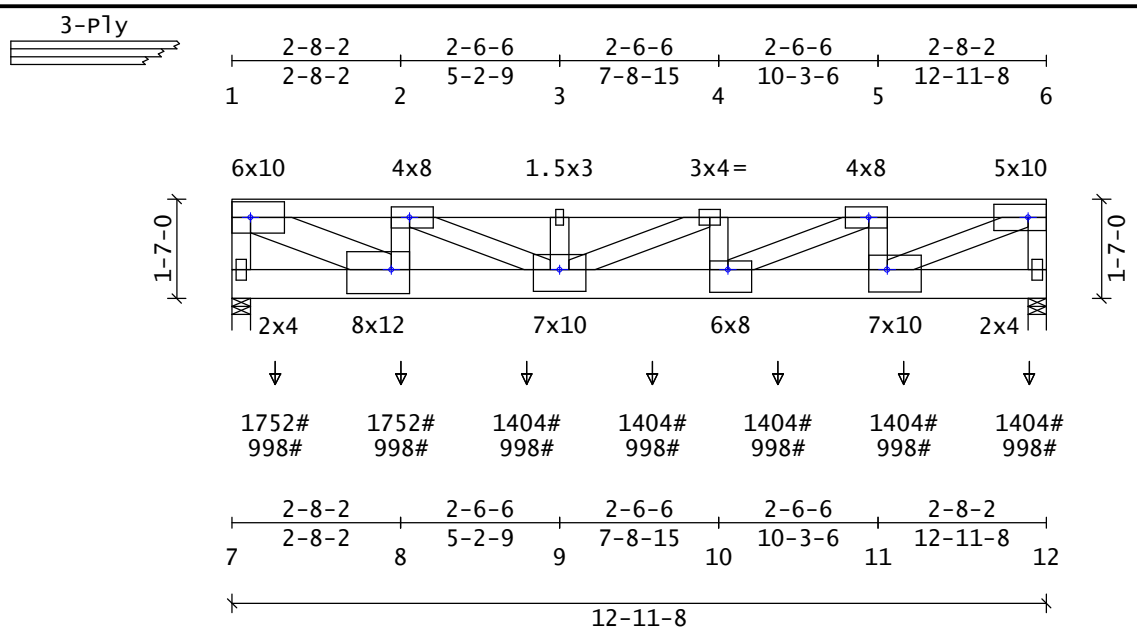
Component Solutions
Truss Studio V
2023.1.0.84

EngDrwg: 2021r5RGT

RB23053_RP - CHICAGO 2 UNITS ROOF | **Qty: 2** | **Truss: TG01**

Customer: EZ SIPS Corporation

SID:
TID: RB23053_RP
Date: 10 / 24 / 23
Page: 1 of 2



Truss Weight = 279.1 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   30.0  10.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total      50.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 3
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) =  30.0 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:      No
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  50.8 ft  B =  45.8 ft
M.R.H(h) =  20.3 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  5.0 BC =  5.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-06-14
```

```
-------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   SPF  #1/#2
BC      2x6   SPF  1650/1.5
Webs    2x4   SPF  #1/#2
        2x6   SPF  #1/#2  1-8
        2x4   SPF  1650/1.5 11-6
```

Member Forces Summary

```
Max CSI in TC PANEL   3 -  4   0.76
Max CSI in BC PANEL   9 - 10   0.92
Max CSI in Web        1 -  8   0.88

...Mem...    Ten     Comp      .CSI.
TC  OH- 1      0        0       0.00
     1- 2   1043    14453       0.37
     2- 3   1738    20315       0.74
     3- 4   1738    20315       0.76
     4- 5   1846    20346       0.71
     5- 6   1254    13409       0.36
     6-OH      0        0       0.00
BC  OH- 7      0        0       0.00
     7- 8      0       40       0.29
     8- 9  14453     1050       0.71
     9-10  20346     1847       0.92
    10-11  13409     1252       0.68
    11-12      0       12       0.18
    12-OH      0        0       0.00
Web  1- 7    520     7053       0.27
     1- 8  16013     1148       0.88
     2- 8    393     3015       0.11
     2- 9   6495      773       0.49
     3- 9    151      212       0.01
     4- 9   2209     2149       0.16
     4-10    751     1043       0.05
     5-10   7685      658       0.58
     5-11    332     3475       0.13
     6-11  14857     1381       0.74
     6-12    624     6566       0.25
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  7     01-12  9367  561    03-08 04-14**  SPF  425
 12  12-09-12  9438  899    03-08 04-15**  SPF  425
Max Horiz =    -29 /    +29 at Joint   7
(**) indicates Reqd Width > actual Width; enhancement may be required.
Building Designer to provide adequate bearing size or enhancement.
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [6-05-12] 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      1752     37     08-04   Vert  T11A @ 90 Deg
  BC       998    -97     08-04   Vert  T03 @ -90 Deg
  BC      1752     37   2-08-04   Vert  T11A @ 90 Deg
  BC       998    -97   2-08-04   Vert  T03 @ -90 Deg
  BC      1404   -146   4-08-04   Vert  T10 @ 90 Deg
  BC       998    -97   4-08-04   Vert  T03 @ -90 Deg
  BC      1404   -146   6-08-04   Vert  T10 @ 90 Deg
  BC       998    -97   6-08-04   Vert  T03 @ -90 Deg
  BC      1404   -146   8-08-04   Vert  T10 @ 90 Deg
  BC       998    -97   8-08-04   Vert  T03 @ -90 Deg
  BC      1404   -146  10-08-04   Vert  T10 @ 90 Deg
  BC       998    -97  10-08-04   Vert  T03 @ -90 Deg
  BC      1404   -146  12-08-04   Vert  T10 @ 90 Deg
  BC       998    -97  12-08-04   Vert  T03 @ -90 Deg
```

3-PLY TRUSS Fastener Spacing
Fasten each ply to the adjacent ply as follows(rows staggered):
TC 2x4, 1-row(s) of 10d Nails (0.120" dia. x 2-7/8" min.) @ 12.0" o.c.
BC 2x6, 2-row(s) of 10d Nails (0.120" dia. x 2-7/8" min.) @ 12.0" o.c.**
WB 2x4, 1-row(s) of 10d Nails (0.120" dia. x 2-7/8" min.) @ 9.0" o.c.
WB 2x6, 2-row(s) of 10d Nails (0.120" dia. x 2-7/8" min.) @ 9.0" o.c.
** Use additional fasteners of the same type (u.n.o.) within +/-12" of the location(s) indicated (except where approved hangers are used with fasteners that transfer the load to all plies):

BC:08-04, 18, BC:2-08-04, 10, BC:2-08-04, 5
BC:4-08-04, 15, BC:6-08-04, 15, BC:8-08-04, 15
BC:10-08-04, 15, BC:12-08-04, 8, BC:12-08-04, 5

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/685(-0.22)  9-10
Vert DL   L/120   L/975(-0.16)  9-10
Vert CR   L/180   L/402(-0.38)  9-10
Horz LL   0.75in       ( 0.02) @Jt12
Horz CR   1.25in       ( 0.04) @Jt12
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(01-08,0), Jnt2(00-08,0), Jnt5(-00-08,0), Jnt6(-01-08,0), Jnt8(-02-08,-00-09), Jnt9(0,-00-10), Jnt10(00-08,-01-05), Jnt11(01-08,-00-12)

Component Solutions
Truss Studio V
2023.1.0.84

EngDrwg: 2021r5RGT