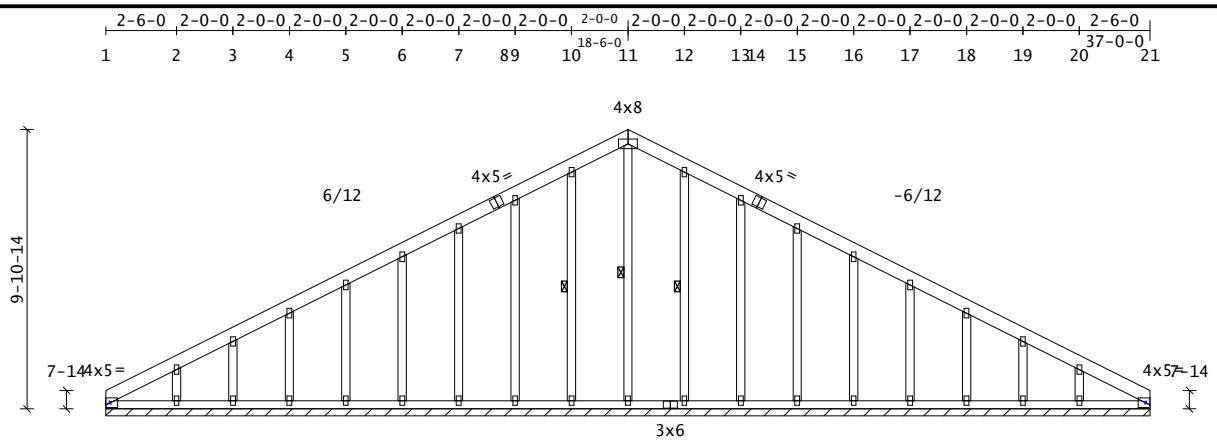
RB24098_RP -	Residence	Qty: 2	Truss: T1

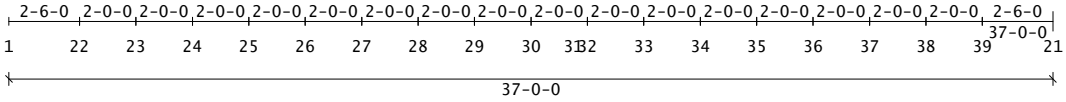
Customer: GREEN-R-PANEL

SID: 0003342245
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Typical plate: 2x4



Truss Weight = 227.7 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   26.0  10.0       Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total      46.0  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: B
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----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: B
Bldg Dims: L =  70.0 ft  B =  54.0 ft
M.R.H(h)=  20.0ft Kzt = 1.0 Ke = 1.00
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: 5-04-13
```

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

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.04
Max CSI in BC PANEL   1 - 22   0.04
Max CSI in Web       28 -  9   0.20

...Mem...    Ten     Comp     .CSI.
TC   1- 8     53      109     0.04
     8-11    241      151     0.04
    11-14    241      151     0.04
    14-21     53      109     0.04
BC   1-31    113       48     0.04
    21-31    113       47     0.04
Web  2-22    128      241     0.03
     3-23     86      216     0.03
     4-24     63      214     0.04
     5-25     59      211     0.07
     6-26     59      209     0.10
     7-27     59      205     0.14
     9-28     68      212     0.20
    10-29     39      223     0.07
    11-30     39      169     0.07
    12-32     39      223     0.07
    13-33     68      212     0.20
    15-34     59      205     0.14
    16-35     59      209     0.10
    17-36     59      211     0.07
    18-37     63      214     0.04
    19-38     86      216     0.03
    20-39    128      241     0.03
```

Reaction Summary

```
Max Horiz =   -141 /   +141 at Joint  30
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 21          92    0 37-00-00
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [18-06-00] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load combinations and additional details.

Notes

If this truss is exposed to wind load perpendicular to the plane of the truss, gable studs must be braced according to the Construction Documents, BCSI-B3, or a gable stud bracing detail matching the design wind speed shown. Lateral bracing of the truss itself to resist out-of-plane wind load must be in accordance with the Construction Documents.
The maximum rake overhang length is 12.0".
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.
The upper top chord (UTC) may be notched 1.5" deep x 3.5" wide at 24" o.c. max. for outlookers. Do not notch in the heel areas marked or anywhere there is a single chord member. Do not cut the connector plates.
This truss is not symmetric - proper orientation is critical.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.00) 39-21
Vert DL   L/120   L/999(-0.00) 39-21
Vert CR   L/180   L/999(-0.00) 39-21
Horz LL   0.75in       ( 0.00) @Jt21
Horz CR   1.25in       ( 0.01) @Jt21
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:   29-10 30-11 32-12
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-11,0), Jnt21(-00-11,0)

D:\SST_Riverbend\Clie... **Component Solutions Truss Studio V 2024.3.2.1**

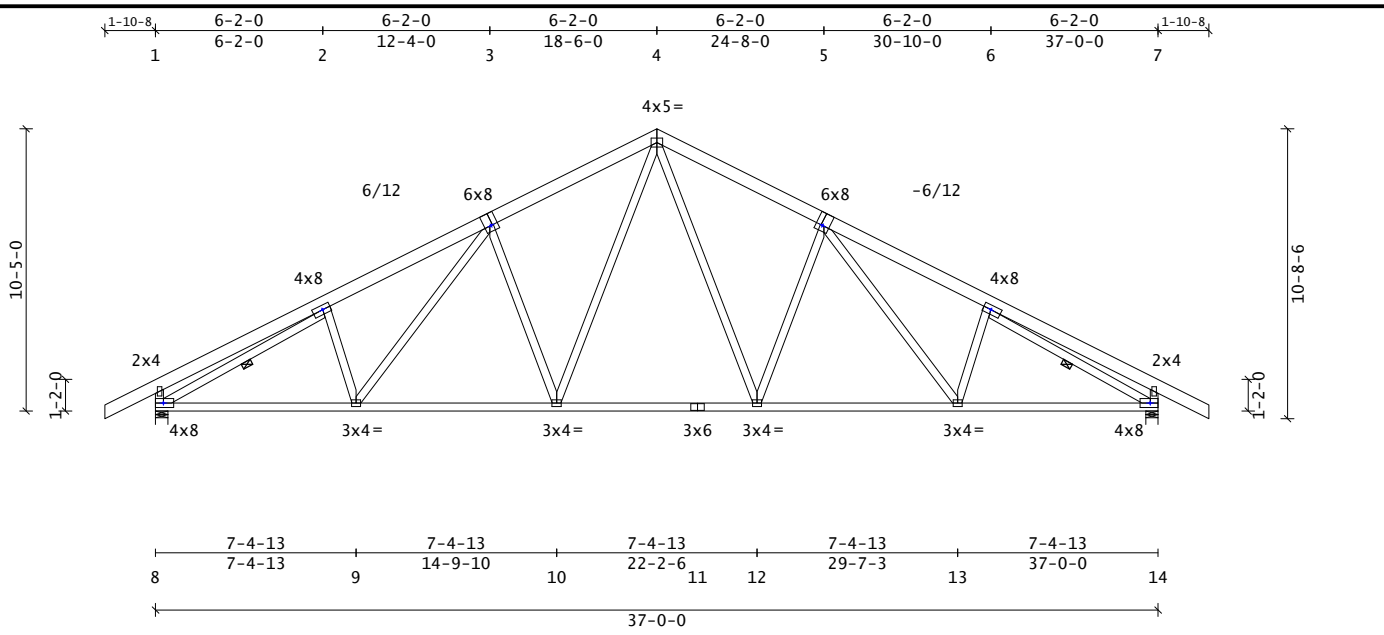
EngDrwg: 2021r5RGT

RB24098_RP -	Residence	Qty: 4	Truss: T2

Customer: GREEN-R-PANEL

SID: 0003342246
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 217.0 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   26.0  10.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total      46.0  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: B
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) = 20-04-08
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: B
Bldg Dims: L =  70.0 ft  B =  54.0 ft
M.R.H(h)=  20.0ft Kzt = 1.0 Ke = 1.00
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: 5-04-13
```

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

Member Forces Summary

```
Max CSI in TC PANEL   3 -  4   0.32
Max CSI in BC PANEL   8 -  9   0.81
Max CSI in Web        8 -  2   0.66

...Mem...    Ten     Comp     .CSI.
TC  OH- 1    108        0     0.24
     1- 2    148       96     0.25
     2- 3    387     2515     0.27
     3- 4    385     2091     0.32
     4- 5    385     2091     0.32
     5- 6    388     2515     0.27
     6- 7    148       96     0.25
     7-OH    108        0     0.24
BC  OH- 8      0        0     0.00
     8- 9   2203      191     0.81
     9-10   1969      104     0.79
    10-11   1513        0     0.72
    11-12   1513        0     0.72
    12-13   1969      100     0.79
    13-14   2203      174     0.81
    14-OH      0        0     0.00
Web  1- 8    237      365     0.04
     2- 8    213     2614     0.66
     2- 9    162      155     0.04
     3- 9    380       67     0.08
     3-10    205      673     0.63
     4-10    835      114     0.20
     4-12    835      114     0.20
     5-12    205      673     0.63
     5-13    380       67     0.08
     6-13    162      155     0.04
     6-14    213     2614     0.66
     7-14    236      365     0.04
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  8     01-12  1844    0    05-08 02-14    SPF  531
 14  36-10-04  1844    0    05-08 02-14    SPF  531
Max Horiz =   -141 /   +141 at Joint   8
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [18-06-00] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load 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.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE. Alternatively, see D-WEBREINFORCE.
This truss is not symmetric - proper orientation is critical.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.19) 10-12
Vert DL   L/120   L/999(-0.15) 10-12
Vert CR   L/180   L/999(-0.34) 10-12
Horz LL   0.75in       ( 0.07) @Jt14
Horz CR   1.25in       ( 0.12) @Jt14
Ohng CR  2L/180  2L/999(-0.02)  1- 1
Ohng CR  2L/180  2L/999(-0.02)  7- 7
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    8- 2  6-14
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

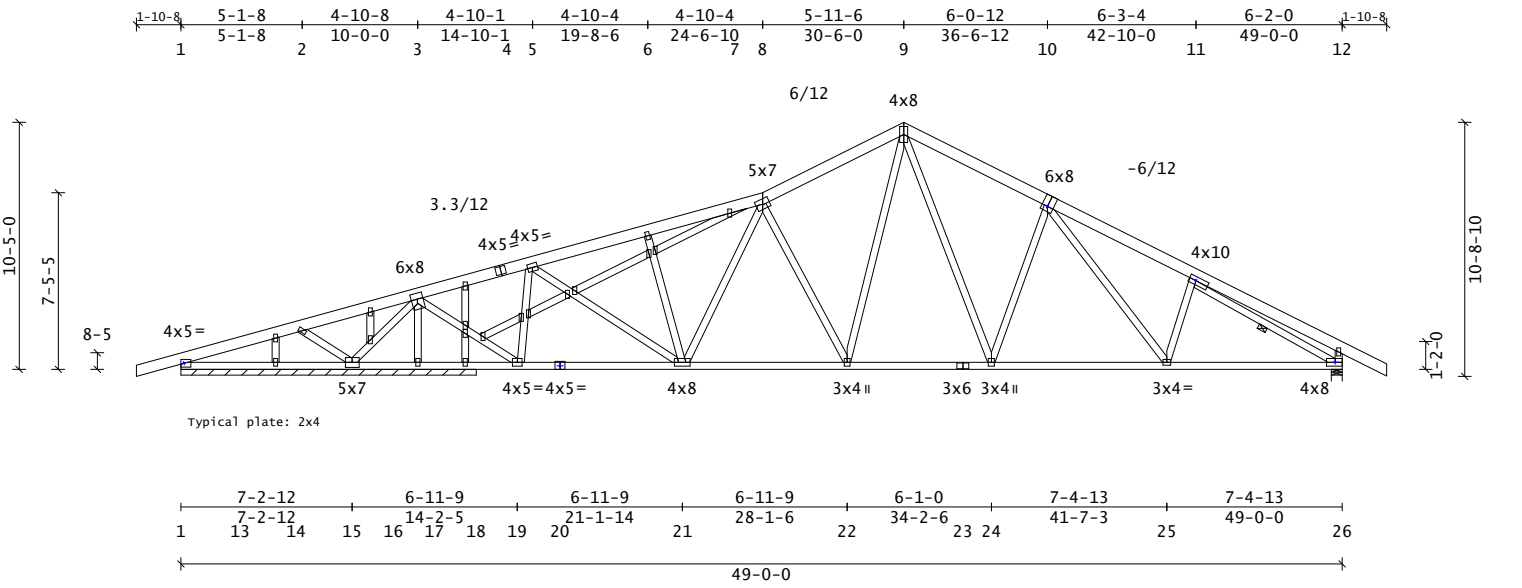
(None unless indicated below)
Jnt2(-00-07,-00-03), Jnt3(-00-11,01-05), Jnt5(00-11,01-05), Jnt6(00-07,-00-03), Jnt8(00-08,0), Jnt14(-00-08,0)

RB24098_RP -	Residence	Qty: 1	Truss: T3

Customer: GREEN-R-PANEL

SID: 0003342247
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 308.7 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   26.0  10.0       Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total      46.0  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: B
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) = 32-04-08
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: B
Bldg Dims: L =  70.0 ft  B =  54.0 ft
M.R.H(h)=  20.0ft Kzt = 1.0 Ke = 1.00
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: 5-04-13
```

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

Member Forces Summary

Max CSI in TC PANEL	2 - 3	0.56
Max CSI in BC PANEL	17 - 18	0.86
Max CSI in Web	8 - 22	0.98

...Mem...	Ten	Comp	.CSI.
TC 1- 59	0	0.21
1- 2	1021	17	0.50
2- 3	1491	78	0.56
3- 4	113	1701	0.14
4- 5	117	1636	0.13
5- 6	144	2519	0.19
6- 8	160	2430	0.20
8- 9	165	2218	0.48
9-10	170	2350	0.37
10-11	150	2714	0.31
11-12	147	97	0.25
12-OH	108	0	0.24
BC 1-13	30	921	0.26
13-14	30	921	0.09
14-15	30	921	0.03
15-16	412	13	0.12
16-17	412	13	0.20
17-18	412	13	0.86
18-19	412	13	0.86
19-20	1701	9	0.67
20-21	1701	9	0.67
21-22	2284	0	0.78
22-23	1705	0	0.63
23-24	1705	0	0.69
24-25	2197	0	0.78
25-26	2370	0	0.81
26-OH	0	0	0.00
Web 2-15	121	611	0.10
3-15	163	2677	0.83
3-19	1464	0	0.36
5-19	79	1027	0.34
5-21	848	0	0.21
6-21	92	327	0.20
8-21	185	128	0.13
8-22	126	901	0.98
9-22	948	36	0.23
9-24	914	30	0.22
10-24	112	766	0.72
10-25	370	29	0.08
11-25	130	144	0.04
11-26	0	2813	0.71
12-26	234	367	0.04

Reaction Summary

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
26	48-10-04	1949	0	05-08	03-01	SPF	531
1	01-10	201	154	12-05-08			
15	7-02-12	2405	0	12-05-08			
17	10-08-09	16	221	12-05-08			
18	12-05-08	489	0	12-05-08			

Max Horiz = -103 / +132 at Joint 1
Reactions not shown: down < 400 and up < 150

---- Reaction Summary (plf) -----

Jnt-Jnt	React	-Up-	--Width-	
1- 18	10	0	12-05-08	(reduced)

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [30-06-00] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load combinations and additional details.

Notes

If this truss is exposed to wind load perpendicular to the plane of the truss, gable studs must be braced according to the Construction Documents, BCSI-B3, or a gable stud bracing detail matching the design wind speed shown. Lateral bracing of the truss itself to resist out-of-plane wind load must be in accordance with the Construction Documents.
The maximum rake overhang length is 12.0".
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.

Deflection Summary

Truss	Span	Limit	Actual(in)	Location
Vert LL		L/240	L/999(-0.21)	24-25
Vert DL		L/120	L/999(-0.16)	24-25
Vert CR		L/180	L/999(-0.37)	24-25
Horz LL		0.75in	(0.06)	@Jt26
Horz CR		1.25in	(0.11)	@Jt26
Ohng CR		2L/180	2L/999(-0.02)	1- 1
Ohng CR		2L/180	2L/999(-0.02)	12-12

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:   11-26
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-14,0), Jnt10(00-11,01-05), Jnt11(01-05,-00-10), Jnt20(0,00-04), Jnt26(-00-08,0)

D:\SST_Riverbend\Clie... **Component Solutions Truss Studio V 2024.3.2.1**

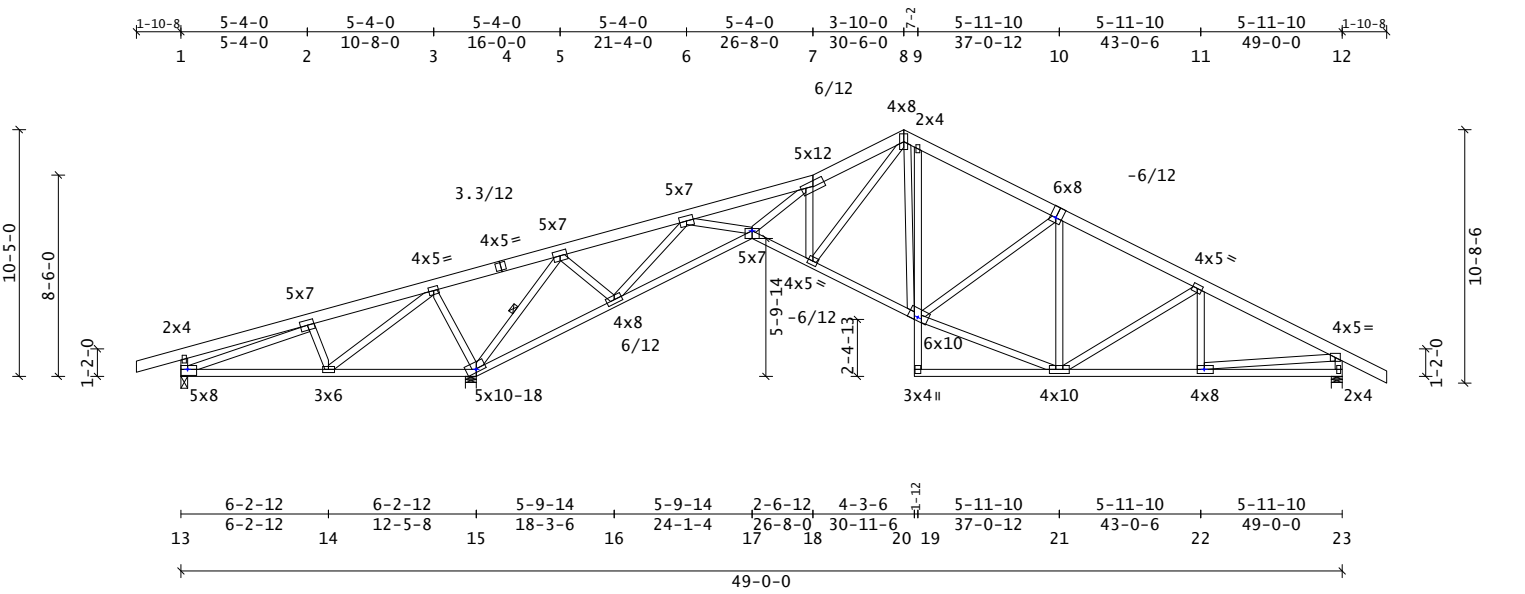
EngDrwg: 2021r5RGT

RB24098_RP -	Residence	Qty: 3	Truss: T4

Customer: GREEN-R-PANEL

SID: 0003342248
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 306.9 lb

Code/Design: IBC-2021/TPI-2014
PSF Live Dead Dur Factors
TC 26.0 10.0 Live Wind Snow
BC 0.0 10.0 Lum 1.25 1.60 1.15
Total 46.0 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: B
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) = 32-04-08

----------Wind Load Specs----------
ASCE7-16 Wind Speed(V) = 115 mph
Risk Cat: II Exposure Cat: B
Bldg Dims: L = 70.0 ft B = 54.0 ft
M.R.H(h)= 20.0ft Kzt = 1.0 Ke = 1.00
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: 5-04-13

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

Member Forces Summary

Max CSI in TC PANEL 4 - 5 0.85
Max CSI in BC PANEL 14 - 15 0.65
Max CSI in Web 16 - 6 0.97

...Mem...	Ten	Comp	.CSI.
TC OH- 1	64	0	0.24
1- 2	59	45	0.28
2- 3	2518	0	0.60
3- 4	3435	0	0.73
4- 5	3481	0	0.85
5- 6	1158	0	0.45
6- 7	0	2545	0.25
7- 8	126	1946	0.20
8- 9	160	1478	0.06
9-10	135	1563	0.38
10-11	141	1789	0.38
11-12	110	2052	0.26
12-OH	108	0	0.24
BC OH-13	0	0	0.00
13-14	0	2260	0.50
14-15	0	2914	0.65
15-16	4	2225	0.47
16-17	482	19	0.45
17-18	1923	0	0.53
18-19	1340	0	0.43
20-21	4	0	0.43
21-22	1752	0	0.55
22-23	0	4	0.42
23-OH	0	0	0.00
Web 1-13	96	378	0.04
2-13	2461	0	0.55
2-14	90	681	0.10
3-14	1163	0	0.28
3-15	94	830	0.25
5-15	60	2292	0.48
5-16	1231	0	0.30
6-16	23	2311	0.97
6-17	2110	0	0.51
7-17	915	0	0.22
7-18	47	1140	0.25
8-18	1098	0	0.27
8-19	839	109	0.20
9-19	55	515	0.53
10-19	97	368	0.34
10-21	58	325	0.25
11-21	64	334	0.28

...Mem...	Ten	Comp	.CSI.
11-22	152	127	0.03
12-22	1770	0	0.43
12-23	211	1485	0.18
19-20	117	0	0.03
19-21	1640	0	0.40

Reaction Summary

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

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
13	01-12	109	838	03-08	01-08	SPF	425
15	12-03-12	3768	0	05-08	05-15**	SPF	531
23	48-10-04	1537	0	05-08	02-07	SPF	531

Max Horiz = -99 / +123 at Joint 13
(**) 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 [30-06-00] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load 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.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE. Alternatively, see D-WEBREINFORCE.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.28)	16-17
Vert DL	L/120	L/999(-0.21)	16-17
Vert CR	L/180	L/901(-0.49)	16-17
Horz LL	0.75in	(0.16)	@Jt23
Horz CR	1.25in	(0.28)	@Jt23
Ohng CR	2L/180	2L/999(-0.02)	1- 1
Ohng CR	2L/180	2L/999(-0.02)	12-12

Bracing Data Summary

----------Bracing Data----------
Chords; continuous except where shown
------- Web Bracing -- CLR ----------
Single: 15- 5
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0

Plate offsets (X, Y):

(None unless indicated below)
Jnt10(00-11,01-05), Jnt13(00-08,-00-09), Jnt15(-00-08,01-00), Jnt17(0,-01-07), Jnt19(00-09,01-02), Jnt22(00-08,0)

D:\SST_Riverbend\Clie... **Component Solutions Truss Studio V 2024.3.2.1**

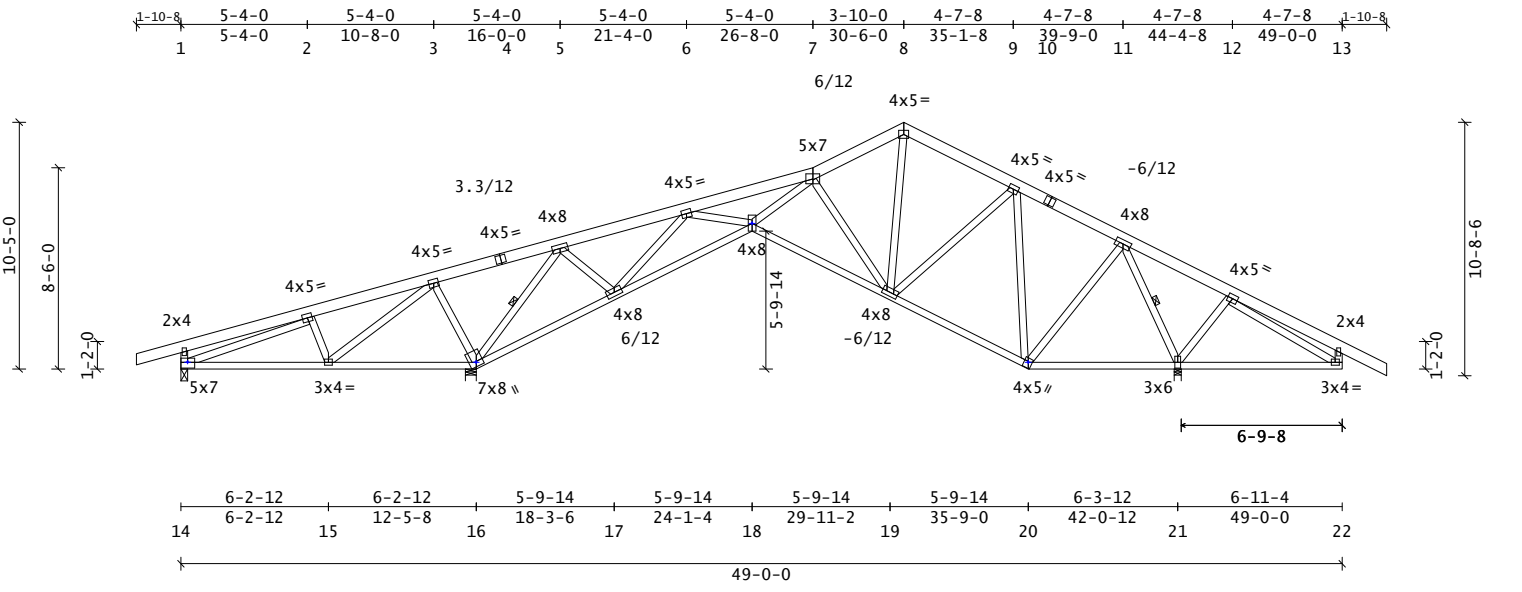
EngDrwg: 2021r5RGT

RB24098_RP -	Residence	Qty: 6	Truss: T5

Customer: GREEN-R-PANEL

SID: 0003342249
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 278.2 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC    26.0  10.0       Live  Wind  Snow
BC     0.0  10.0  Lum 1.25  1.60  1.15
Total      46.0  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: B
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) = 32-04-08
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: B
Bldg Dims: L =  70.0 ft  B =  54.0 ft
M.R.H(h)=  20.0ft Kzt = 1.0 Ke = 1.00
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: 5-04-13
```

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

Member Forces Summary

Max CSI in TC PANEL	4 - 5	0.65
Max CSI in BC PANEL	21 - 22	0.53
Max CSI in Web	9 - 20	0.76

...Mem...		Ten	Comp	.CSI.
TC	OH- 1	64	0	0.24
	1- 2	57	47	0.23
	2- 3	1657	8	0.40
	3- 4	2403	0	0.56
	4- 5	2449	0	0.65
	5- 6	555	0	0.32
	6- 7	0	2118	0.24
	7- 8	112	897	0.20
	8- 9	106	895	0.23
	9-10	116	555	0.22
	10-11	108	658	0.15
	11-12	910	279	0.30
	12-13	119	71	0.23
	13-OH	108	0	0.24
BC	OH-14	0	0	0.00
	14-15	88	1472	0.47
	15-16	0	1956	0.44
	16-17	0	1359	0.42
	17-18	760	12	0.42
	18-19	1359	0	0.48
	19-20	648	26	0.40
	20-21	291	353	0.46
	21-22	306	630	0.53
	22-OH	0	0	0.00
Web	1-14	96	381	0.04
	2-14	1604	96	0.36
	2-15	87	539	0.08
	3-15	962	0	0.23
	3-16	93	756	0.23
	5-16	60	1920	0.40
	5-17	963	0	0.23
	6-17	22	1764	0.74
	6-18	1435	0	0.35
	7-18	1018	0	0.25
	7-19	46	1000	0.62
	8-19	417	39	0.09
	9-19	345	0	0.08
	9-20	47	785	0.76
	11-20	837	105	0.20
	11-21	260	1710	0.33
	12-21	141	378	0.10

...Mem...	Ten	Comp	.CSI.
12-22	764	377	0.17
13-22	188	379	0.04

Reaction Summary

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
14	01-12	312	491	03-08	01-08	SPF	425
16	12-03-12	2946	0	05-08	04-10	SPF	531
21	42-00-12	2056	0	03-08	02-15	SPF	531

Max Horiz = -99 / +124 at Joint 14

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [30-06-00] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load 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. Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE. Alternatively, see D-WEBREINFORCE.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.19)	17-18
Vert DL	L/120	L/999(-0.13)	17-18
Vert CR	L/180	L/999(-0.32)	17-18
Horz LL	0.75in	(0.14)	@Jt21
Horz CR	1.25in	(0.22)	@Jt21
Ohng CR	2L/180	2L/999(-0.02)	1- 1
Ohng CR	2L/180	2L/999(-0.02)	13-13
Cant CR	2L/180	2L/999(0.09)	21-22

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:   16- 5 11-21
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

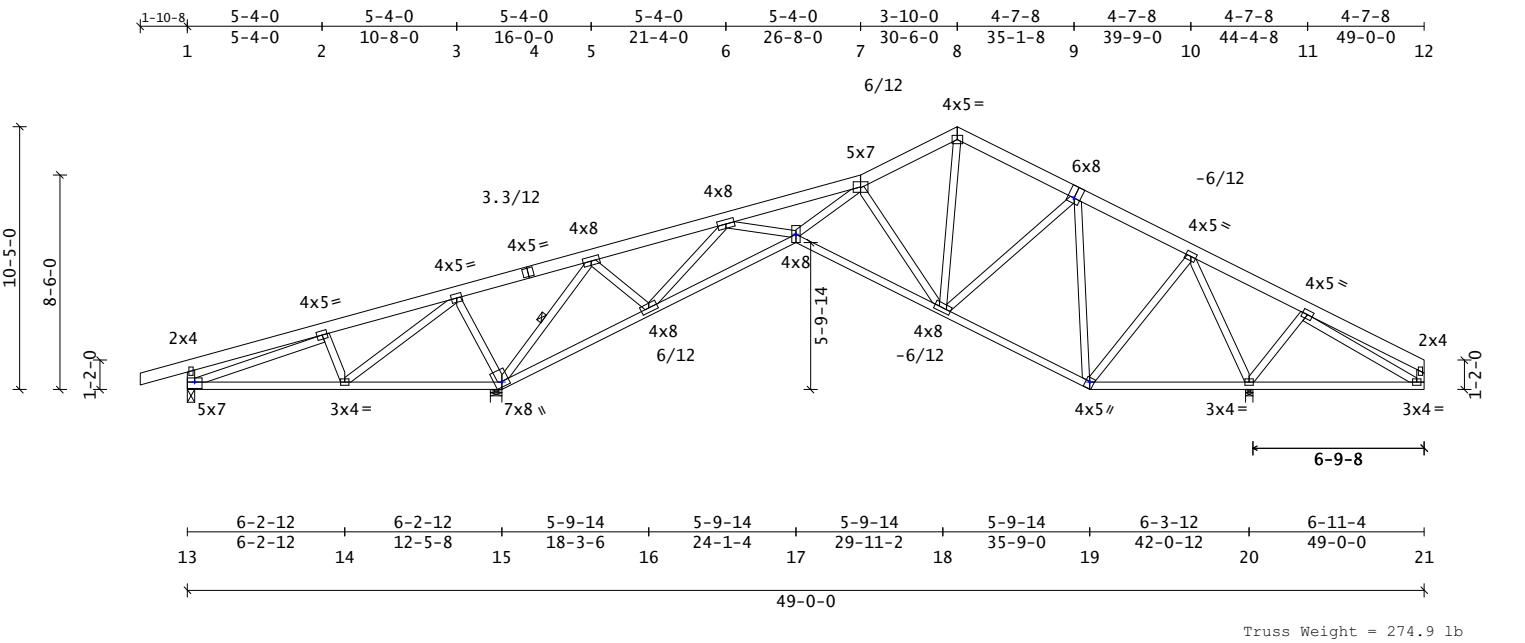
(None unless indicated below)
Jnt14(0,-00-07), Jnt16(-00-13,01-10), Jnt18(0,00-01), Jnt20(-00-03,-00-06)

RB24098_RP -	Residence	Qty: 1	Truss: T5A

Customer: GREEN-R-PANEL

SID: 0003342250
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 274.9 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC    26.0  10.0       Live  Wind  Snow
BC     0.0  10.0  Lum 1.25  1.60  1.15
Total      46.0  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: B
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) = 32-04-08
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: B
Bldg Dims: L =  70.0 ft  B =  54.0 ft
M.R.H(h)=  20.0ft Kzt = 1.0 Ke = 1.00
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: 5-04-13
```

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

Member Forces Summary

```
Max CSI in TC PANEL   4 -  5   0.66
Max CSI in BC PANEL  20 - 21   0.53
Max CSI in Web       10 - 20   0.89
```

...Mem...	Ten	Comp	.CSI.
TC OH- 1	64	0	0.24
1- 2	57	47	0.24
2- 3	1684	0	0.41
3- 4	2448	0	0.57
4- 5	2494	0	0.66
5- 6	571	0	0.32
6- 7	19	2177	0.24
7- 8	116	856	0.20
8- 9	110	891	0.22
9-10	118	676	0.22
10-11	617	129	0.25
11-12	87	82	0.19
12-OH	7	0	0.00
BC OH-13	0	0	0.00
13-14	64	1497	0.47
14-15	0	1998	0.45
15-16	0	1390	0.42
16-17	767	25	0.43
17-18	1406	0	0.49
18-19	673	0	0.40
19-20	241	223	0.46
20-21	121	373	0.53
21-OH	0	0	0.00
Web 1-13	96	381	0.04
2-13	1630	69	0.37
2-14	92	543	0.08
3-14	968	0	0.23
3-15	95	758	0.23
5-15	75	1946	0.41
5-16	982	0	0.24
6-16	46	1802	0.75
6-17	1485	0	0.36
7-17	1038	0	0.25
7-18	54	1013	0.62
8-18	442	43	0.10
9-18	316	0	0.07
9-19	33	737	0.71
10-19	707	34	0.17
10-20	146	1512	0.89
11-20	162	375	0.10
11-21	453	152	0.10

...Mem...	Ten	Comp	.CSI.
12-21	61	202	0.02

Reaction Summary

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
13	01-12	302	502	03-08	01-08	SPF	425
15	12-03-12	2984	0	05-08	04-11	SPF	531
20	42-00-12	1866	0	03-08	02-10	SPF	531

Max Horiz = -89 / +133 at Joint 13

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [30-06-00] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load 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.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE. Alternatively, see D-WEBREINFORCE.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.19)	16-17
Vert DL	L/120	L/999(-0.13)	16-17
Vert CR	L/180	L/999(-0.32)	16-17
Horz LL	0.75in	(0.14)	@Jt20
Horz CR	1.25in	(0.23)	@Jt20
Ohng CR	2L/180	2L/999(-0.02)	1- 1
Cant CR	2L/180	2L/999(0.10)	20-21

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:   15- 5
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt9(00-11,01-05), Jnt13(0,-00-07), Jnt15(-00-13,01-10), Jnt17(0,00-01), Jnt19(-00-03,-00-06)

D:\SST_Riverbend\Clie... **Component Solutions Truss Studio V 2024.3.2.1**

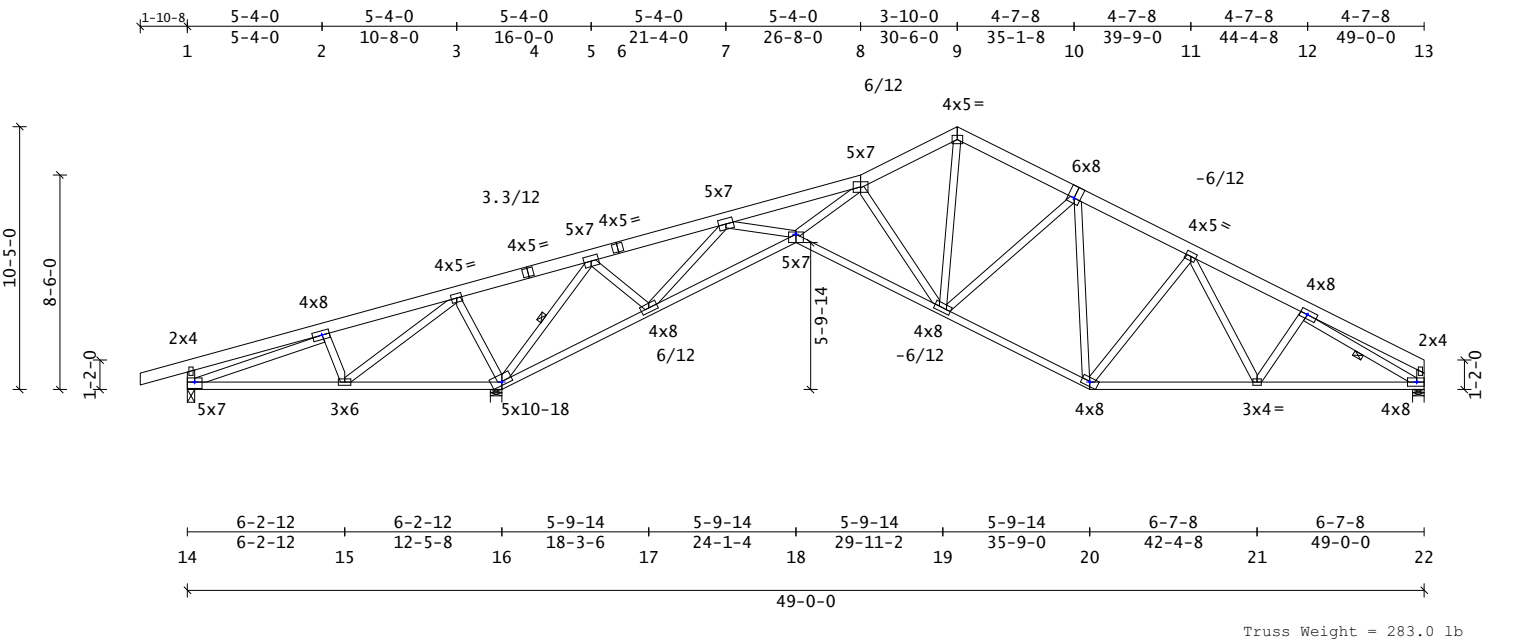
EngDrwg: 2021r5RGT

RB24098_RP -	Residence	Qty: 4	Truss: T6

Customer: GREEN-R-PANEL

SID: 0003342251
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 283.0 lb

Code/Design: IBC-2021/TPI-2014
PSF Live Dead Dur Factors
TC 26.0 10.0 Live Wind Snow
BC 0.0 10.0 Lum 1.25 1.60 1.15
Total 46.0 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: B
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) = 32-04-08

----------Wind Load Specs----------
ASCE7-16 Wind Speed(V) = 115 mph
Risk Cat: II Exposure Cat: B
Bldg Dims: L = 70.0 ft B = 54.0 ft
M.R.H(h)= 20.0ft Kzt = 1.0 Ke = 1.00
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: 5-04-13

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

Member Forces Summary

Max CSI in TC PANEL 4 - 5 0.83
Max CSI in BC PANEL 21 - 22 0.66
Max CSI in Web 17 - 7 0.98

...Mem...	Ten	Comp	.CSI.
TC OH- 1	64	0	0.24
1- 2	59	45	0.27
2- 3	2430	0	0.58
3- 4	3332	0	0.71
4- 5	3377	0	0.83
5- 6	954	0	0.43
6- 7	1033	0	0.27
7- 8	16	2749	0.25
8- 9	145	1440	0.22
9-10	137	1481	0.25
10-11	171	1661	0.25
11-12	200	2009	0.16
12-13	78	88	0.19
13-OH	7	0	0.00
BC OH-14	0	0	0.00
14-15	0	2179	0.50
15-16	0	2818	0.63
16-17	4	2101	0.45
17-18	594	24	0.44
18-19	1984	0	0.59
19-20	1636	0	0.52
20-21	1672	6	0.57
21-22	1737	112	0.66
22-OH	0	0	0.00
Web 1-14	96	378	0.04
2-14	2373	0	0.53
2-15	92	668	0.10
3-15	1145	0	0.28
3-16	95	823	0.25
5-16	74	2313	0.49
5-17	1242	0	0.30
7-17	43	2343	0.98
7-18	2167	0	0.53
8-18	1086	0	0.26
8-19	53	1107	0.68
9-19	886	69	0.21
10-19	117	315	0.27
10-20	44	283	0.27
11-20	88	407	0.33
11-21	271	44	0.06
12-21	160	118	0.03

...Mem...	Ten	Comp	.CSI.
12-22	130	2107	0.37
13-22	91	215	0.02

Reaction Summary

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

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
14	01-12	121	802	03-08	01-08	SPF	425
16	12-03-12	3723	0	05-08	05-13**	SPF	531
22	48-10-04	1403	0	05-08	02-03	SPF	531

Max Horiz = -89 / +133 at Joint 14

(**) 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 [30-06-00] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load 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.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE. Alternatively, see D-WEBREINFORCE.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.27)	17-18
Vert DL	L/120	L/999(-0.20)	17-18
Vert CR	L/180	L/940(-0.47)	17-18
Horz LL	0.75in	(0.17)	@Jt22
Horz CR	1.25in	(0.29)	@Jt22
Ohng CR	2L/180	2L/999(-0.02)	1- 1

Bracing Data Summary

----------Bracing Data----------
Chords; continuous except where shown
------- Web Bracing -- CLR ----------
Single: 16- 5 12-22
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0

Plate offsets (X, Y):

(None unless indicated below)
Jnt2(-00-07,-00-02), Jnt10(00-11,01-05), Jnt12(00-07,-00-03), Jnt14(0,-00-09), Jnt16(-00-08,01-00), Jnt18(0,-01-07), Jnt20(00-01,00-01), Jnt22(-00-08,0)

D:\SST_Riverbend\Clie... **Component Solutions Truss Studio V 2024.3.2.1**

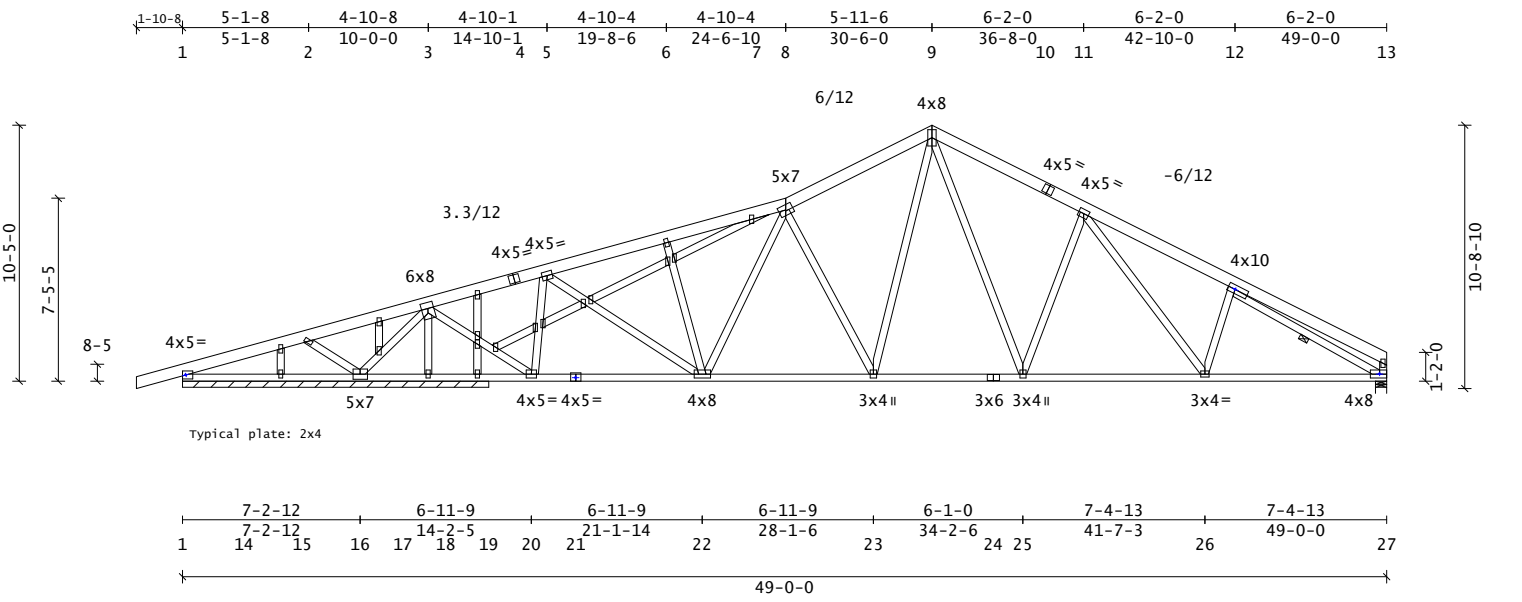
EngDrwg: 2021r5RGT

RB24098_RP -	Residence	Qty: 1	Truss: T7

Customer: GREEN-R-PANEL

Truss Mfr. Contact:

SID:
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1



Truss Weight = 304.5 lb

Code/Design: IBC-2021/TPI-2014

PSF	Live	Dead	Dur Factors
TC	26.0	10.0	Live 1.25
BC	0.0	10.0	Wind 1.60
Total		46.0	Snow 1.15
			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: B
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) = 32-04-08

----------Wind Load Specs----------
ASCE7-16 Wind Speed(V) = 115 mph
Risk Cat: II Exposure Cat: B
Bldg Dims: L = 70.0 ft B = 54.0 ft
M.R.H(h)= 20.0ft Kzt = 1.0 Ke = 1.00
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: 5-04-13

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

Member Forces Summary

Max CSI in TC PANEL	2 - 3	0.56
Max CSI in BC PANEL	18 - 19	0.86
Max CSI in Web	8 - 23	0.97

...Mem...		Ten	Comp	.CSI.
TC	OH- 1	59	0	0.21
	1- 2	1026	28	0.50
	2- 3	1496	89	0.56
	3- 4	108	1702	0.14
	4- 5	112	1637	0.13
	5- 6	152	2522	0.19
	6- 8	168	2432	0.20
	8- 9	180	2221	0.47
	9-10	192	2279	0.40
	10-11	168	2361	0.37
	11-12	225	2751	0.31
	12-13	108	101	0.27
	13-OH	7	0	0.00
BC	1-14	26	926	0.26
	14-15	26	926	0.09
	15-16	26	926	0.03
	16-17	412	18	0.12
	17-18	412	18	0.20
	18-19	412	18	0.86
	19-20	412	18	0.86
	20-21	1702	21	0.67
	21-22	1702	21	0.67
	22-23	2287	0	0.78
	23-24	1707	0	0.64
	24-25	1707	0	0.69
	25-26	2218	0	0.78
	26-27	2410	70	0.82
	27-OH	0	0	0.00
Web	2-16	124	612	0.10
	3-16	171	2683	0.83
	3-20	1468	5	0.36
	5-20	85	1030	0.34
	5-22	852	0	0.21
	6-22	92	327	0.20
	8-22	184	130	0.13
	8-23	122	898	0.97
	9-23	944	33	0.23
	9-25	915	49	0.22
	11-25	131	771	0.72
	11-26	397	91	0.09

...Mem...		Ten	Comp	.CSI.
	12-26	184	169	0.05
	12-27	78	2860	0.73
	13-27	121	243	0.03

Reaction Summary

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

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
27	48-10-04	1804	0	05-08	02-13	SPF	531
1	01-10	201	154	12-05-08			
16	7-02-12	2407	0	12-05-08			
18	10-08-09	17	221	12-05-08			
19	12-05-08	489	0	12-05-08			

Max Horiz = -93 / +141 at Joint 1
Reactions not shown: down < 400 and up < 150

---- Reaction Summary (plf) -----

Jnt-Jnt	React	-Up-	--Width-	
1- 19	10	0	12-05-08	(reduced)

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [30-06-00] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load combinations and additional details.

Notes

If this truss is exposed to wind load perpendicular to the plane of the truss, gable studs must be braced according to the Construction Documents, BCSI-B3, or a gable stud bracing detail matching the design wind speed shown. Lateral bracing of the truss itself to resist out-of-plane wind load must be in accordance with the Construction Documents.
The maximum rake overhang length is 12.0".
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.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.21)	25-26
Vert DL	L/120	L/999(-0.16)	25-26
Vert CR	L/180	L/999(-0.37)	25-26
Horz LL	0.75in	(0.06)	@Jt27
Horz CR	1.25in	(0.11)	@Jt27
Ohng CR	2L/180	2L/999(-0.02)	1- 1

Bracing Data Summary

----------Bracing Data----------
Chords; continuous except where shown
------- Web Bracing -- CLR ----------
Single: 12-27
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-14,0), Jnt12(01-05,-00-10), Jnt21(0,00-04), Jnt27(-00-08,0)

D:\SST_Riverbend\Clie... **Component Solutions Truss Studio V 2024.3.2.1**

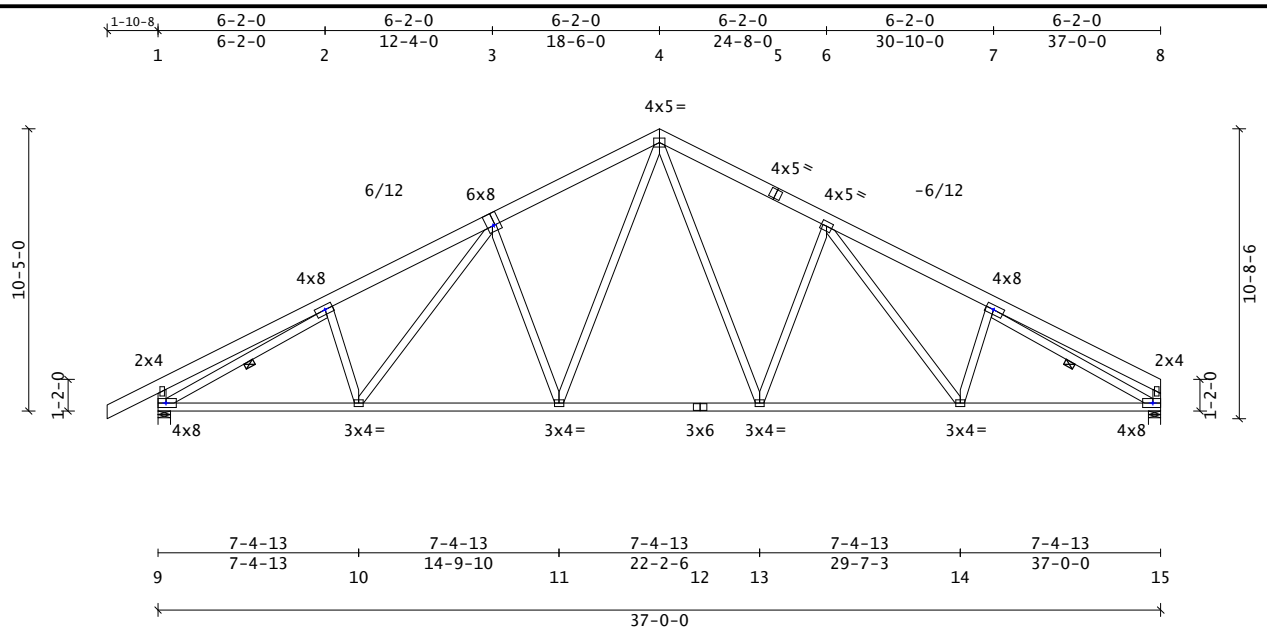
EngDrwg: 2021r5RGT

RB24098_RP -	Residence	Qty: 7	Truss: T8

Customer: GREEN-R-PANEL

SID: 0003342253
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 212.8 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC    26.0  10.0      Live  Wind  Snow
BC     0.0  10.0  Lum 1.25  1.60  1.15
Total      46.0  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: B
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) = 20-04-08
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: B
Bldg Dims: L =  70.0 ft  B =  54.0 ft
M.R.H(h)=  20.0ft Kzt = 1.0 Ke = 1.00
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: 5-04-13
```

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

Member Forces Summary

Max CSI in TC PANEL 4 - 5 0.35
Max CSI in BC PANEL 9 - 10 0.81
Max CSI in Web 7 - 15 0.67

...Mem...	Ten	Comp	.CSI.
TC OH- 1	108	0	0.24
1- 2	148	96	0.25
2- 3	388	2518	0.27
3- 4	395	2094	0.32
4- 5	400	2039	0.35
5- 6	378	2095	0.32
6- 7	440	2526	0.28
7- 8	108	101	0.27
8-OH	7	0	0.00
BC OH- 9	0	0	0.00
9-10	2205	219	0.81
10-11	1971	132	0.79
11-12	1516	22	0.72
12-13	1516	22	0.72
13-14	1980	130	0.79
14-15	2215	251	0.81
15-OH	0	0	0.00
Web 1- 9	237	365	0.04
2- 9	224	2617	0.66
2-10	162	155	0.04
3-10	379	67	0.08
3-11	205	670	0.62
4-11	832	114	0.20
4-13	837	125	0.20
6-13	217	679	0.63
6-14	406	109	0.09
7-14	198	180	0.05
7-15	293	2628	0.67
8-15	120	243	0.03

Reaction Summary

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
9	01-12	1848	0	05-08	02-14	SPF	531
15	36-10-04	1700	0	05-08	02-11	SPF	531

Max Horiz = -131 / +151 at Joint 9

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [18-06-00] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load 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. Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE. Alternatively, see D-WEBREINFORCE.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.19)	11-13
Vert DL	L/120	L/999(-0.15)	11-13
Vert CR	L/180	L/999(-0.34)	11-13
Horz LL	0.75in	(0.07)	@Jt15
Horz CR	1.25in	(0.12)	@Jt15
Ohng CR	2L/180	2L/999(-0.02)	1- 1

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    9- 2  7-15
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

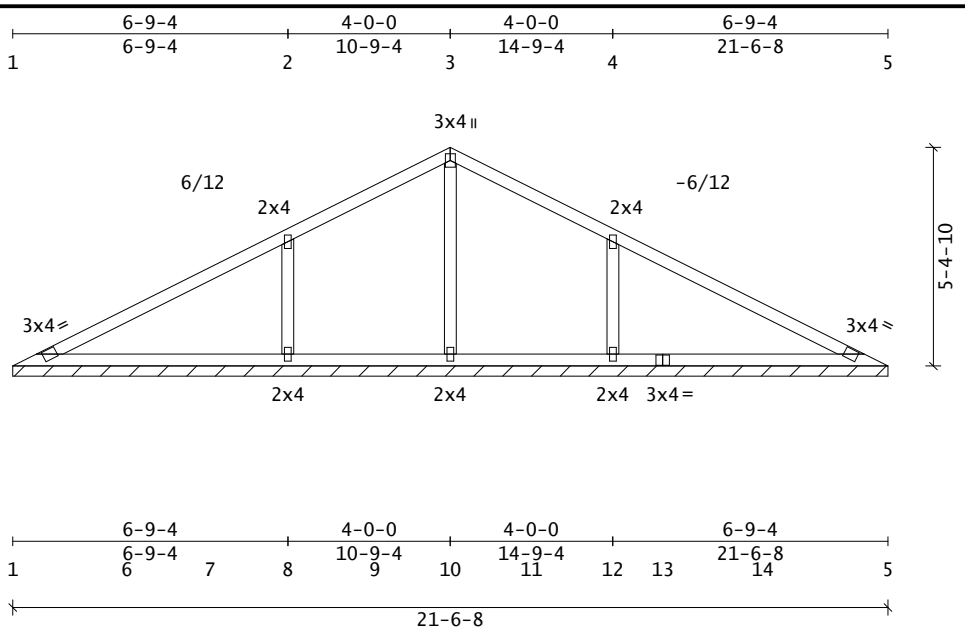
(None unless indicated below)
Jnt2(-00-07,-00-03), Jnt3(-00-11,01-05), Jnt7(00-07,-00-03), Jnt9(00-08,0), Jnt15(-00-08,0)

RB24098_RP -	Residence	Qty: 1	Truss: V1

Customer: GREEN-R-PANEL

SID: 0003342254
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 63.7 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   26.0  10.0      Live  Wind  Snow
BC    0.0   1.0  Lum 1.25  1.60  1.15
Total      37.0  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: B
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----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: B
Bldg Dims: L =  70.0 ft  B =  54.0 ft
M.R.H(h)=  20.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  6.0 BC =  0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 5-04-13
```

```
-------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   0.42
Max CSI in BC PANEL  14 -  5   0.34
Max CSI in Web        8 -  2   0.10

...Mem...    Ten     Comp     .CSI.
TC   1- 2     83      115     0.42
     2- 3    110      153     0.40
     3- 4    111      153     0.40
     4- 5     84      114     0.42
BC   1- 6     84       22     0.33
     5-14     84       22     0.34
     6- 7     84       22     0.13
     7- 8     84       22     0.02
     8- 9     84       22     0.02
     9-10     84       22     0.03
    10-11     84       22     0.03
    11-12     84       22     0.02
    12-13     84       22     0.03
    13-14     84       22     0.13
Web  2- 8    201      528     0.10
     3-10      0      228     0.10
     4-12    203      531     0.10
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  8   6-10-08   539   74 21-06-08
 12  14-10-08   546   76 21-06-08
Max Horiz =    -75 /    +75 at Joint  10
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 5          23    0 21-06-08  (reduced)
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [10-10-08] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load combinations and additional details.

Notes

Valley Truss application only.
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.
This truss is not symmetric - proper orientation is critical.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.01) 14- 5
Vert DL   L/120   L/999(-0.01) 14- 5
Vert CR   L/180   L/999(-0.02) 14- 5
Horz LL   0.75in       ( 0.01) @Jt 5
Horz CR   1.25in       ( 0.01) @Jt 5
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

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Component Solutions
Truss Studio V
2024.3.2.1

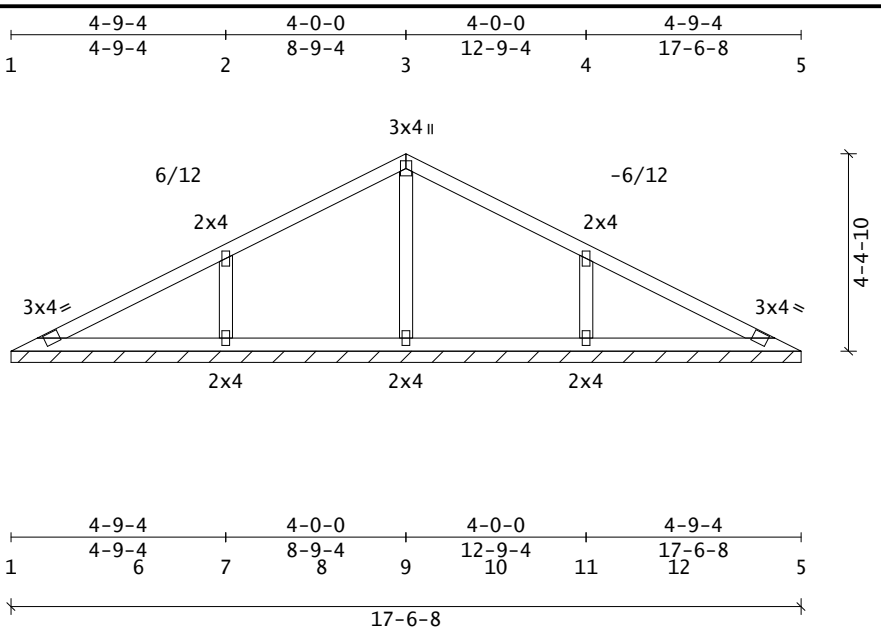
EngDrwg: 2021r5RGT

RB24098_RP -	Residence	Qty: 1	Truss: V2

Customer: GREEN-R-PANEL

SID: 0003342255
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 50.5 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   26.0  10.0      Live  Wind  Snow
BC    0.0   1.0  Lum 1.25  1.60  1.15
Total      37.0  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: B
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----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: B
Bldg Dims: L =  70.0 ft  B =  54.0 ft
M.R.H(h)=  20.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  6.0 BC =  0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 5-04-13
```

```
-------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   0.28
Max CSI in BC PANEL   1 -  6   0.15
Max CSI in Web        9 -  3   0.07

...Mem...    Ten     Comp     .CSI.
TC   1- 2     55       89     0.28
     2- 3     94      153     0.27
     3- 4     94      153     0.27
     4- 5     55       89     0.28
BC   1- 6     63       15     0.15
     5-12     63       15     0.15
     6- 7     63       15     0.06
     7- 8     63       15     0.01
     8- 9     63       15     0.01
     9-10     63       15     0.01
    10-11     63       15     0.01
    11-12     63       15     0.06
Web  2- 7    187      448     0.06
     3- 9     17      235     0.07
     4-11    187      448     0.06
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  7   4-10-08   441   54 17-06-08
 11  12-10-08   441   54 17-06-08
Max Horiz =    -59 /    +59 at Joint   9
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 5          23    1 17-06-08  (reduced)
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [8-10-08] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load combinations and additional details.

Notes

Valley Truss application only.
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.
Lumber and plating have been applied symmetrically.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.00)  1- 6
Vert DL   L/120   L/999(-0.00)  1- 6
Vert CR   L/180   L/999(-0.01)  1- 6
Horz LL   0.75in       ( 0.00) @Jt 1
Horz CR   1.25in       ( 0.01) @Jt 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

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Component Solutions
Truss Studio V
2024.3.2.1

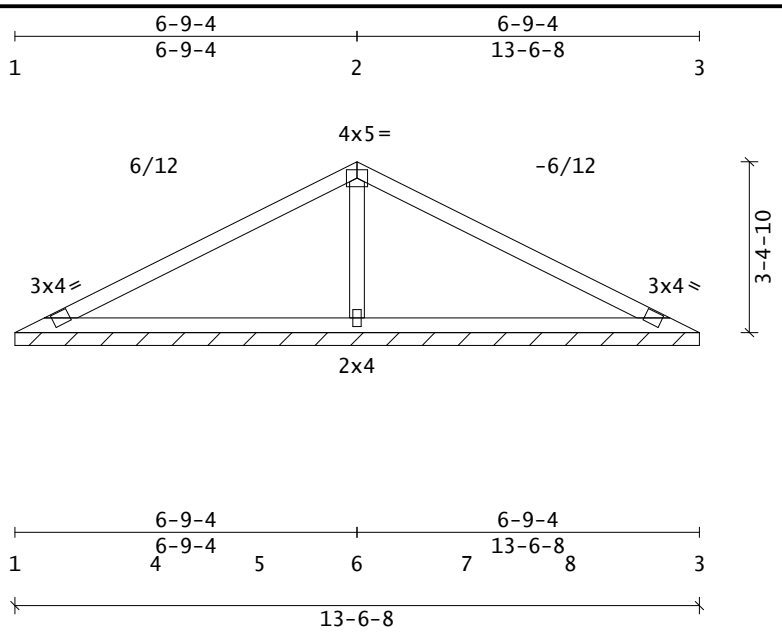
EngDrwg: 2021r5RGT

RB24098_RP -	Residence	Qty: 1	Truss: V3

Customer: GREEN-R-PANEL

SID: 0003342256
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 34.8 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   26.0  10.0      Live  Wind  Snow
BC    0.0   1.0  Lum 1.25  1.60  1.15
Total      37.0  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: B
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----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: B
Bldg Dims: L =  70.0 ft  B =  54.0 ft
M.R.H(h)=  20.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  6.0 BC =  0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 5-04-13
```

```
-------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   0.59
Max CSI in BC PANEL   8 -  3   0.55
Max CSI in Web        6 -  2   0.06

...Mem...   Ten     Comp     .CSI.
TC   1- 2     83      225     0.58
     2- 3     83      225     0.59
BC   1- 4     81        8     0.43
     3- 8     81        8     0.55
     4- 5     81        8     0.18
     5- 6     81        8     0.05
     6- 7     81        8     0.05
     7- 8     81        8     0.22
Web  2- 6    133      325     0.06
```

Reaction Summary

```
Max Horiz =    -43 /    +43 at Joint   6
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1-  3          74    7 13-06-08
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [6-10-08] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load combinations and additional details.

Notes

Valley Truss application only.
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.
Lumber and plating have been applied symmetrically.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.02)  1- 4
Vert DL   L/120   L/999(-0.00)  1- 4
Vert CR   L/180   L/999(-0.03)  1- 4
Horz LL   0.75in       ( 0.01) @Jt 1
Horz CR   1.25in       ( 0.01) @Jt 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

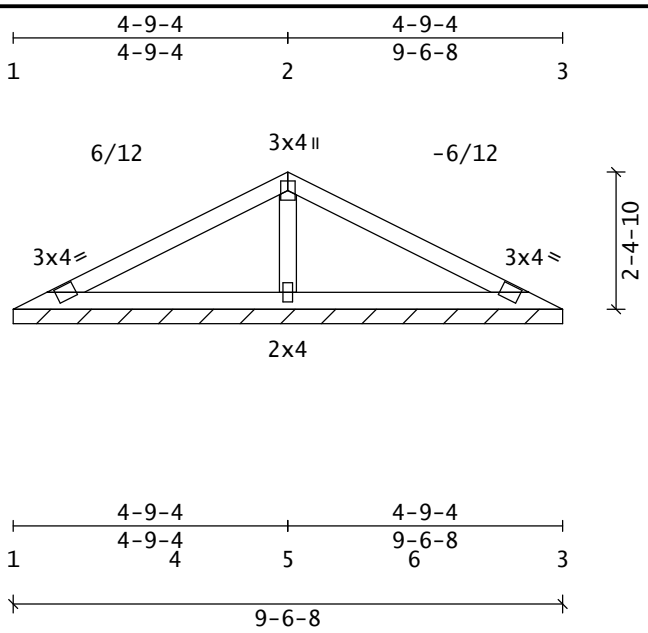
(None unless indicated below)

RB24098_RP -	Residence	Qty: 1	Truss: V4

Customer: GREEN-R-PANEL

SID: 0003342257
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 24.1 lb

Code/Design: IBC-2021/TPI-2014
PSF Live Dead Dur Factors
TC 26.0 10.0 Live Wind Snow
BC 0.0 1.0 Lum 1.25 1.60 1.15
Total 37.0 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: B
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----------
ASCE7-16 Wind Speed(V) = 115 mph
Risk Cat: II Exposure Cat: B
Bldg Dims: L = 70.0 ft B = 54.0 ft
M.R.H(h)= 20.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 6.0 BC = 0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 5-04-13

-------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	0.25
Max CSI in BC PANEL	1 - 4	0.19
Max CSI in Web	5 - 2	0.03

...Mem...		Ten	Comp	.CSI.
TC	1- 2	64	147	0.25
	2- 3	64	147	0.25
BC	1- 4	62	4	0.19
	3- 6	62	4	0.19
	4- 5	62	4	0.08
	5- 6	62	4	0.08
Web	2- 5	121	215	0.03

Reaction Summary

Max Horiz = -28 / +28 at Joint 5
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----

Jnt-Jnt	React	-Up-	--Width-
1- 3	74	7	9-06-08

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [4-10-08] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load combinations and additional details.

Notes

Valley Truss application only.
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.
Lumber and plating have been applied symmetrically.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.01)	1- 4
Vert DL	L/120	L/999(-0.00)	1- 4
Vert CR	L/180	L/999(-0.01)	1- 4
Horz LL	0.75in	(0.00)	@Jt 1
Horz CR	1.25in	(0.01)	@Jt 1

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

D:\SST_Riverbend\Clie... **Component Solutions Truss Studio V 2024.3.2.1**

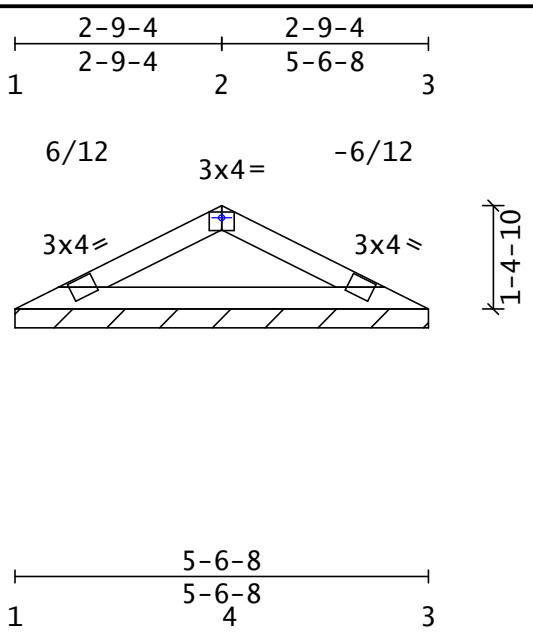
EngDrwg: 2021r5RGT

RB24098_RP -	Residence	Qty: 1	Truss: V5

Customer: GREEN-R-PANEL

SID: 0003342258
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 12.6 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   26.0  10.0      Live  Wind  Snow
BC    0.0   1.0  Lum 1.25  1.60  1.15
Total      37.0  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: B
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----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: B
Bldg Dims: L =  70.0 ft  B =  54.0 ft
M.R.H(h)=  20.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  6.0 BC =  0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 5-04-13
```

```
-------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
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.05
Max CSI in BC PANEL   1 -  4   0.07
```

```
...Mem...   Ten     Comp     .CSI.
TC   1- 2    144      246     0.05
     2- 3    144      246     0.05
BC   1- 4    199       87     0.07
     3- 4    199       87     0.07
```

Reaction Summary

```
Max Horiz =    -12 /    +12 at Joint   4
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 3          73    7  5-06-08
```

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 load combinations and additional details.

Notes

Valley Truss application only.
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.
Lumber and plating have been applied symmetrically.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.00)  4- 3
Vert DL   L/120   L/999(-0.00)  4- 3
Vert CR   L/180   L/999(-0.00)  4- 3
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):

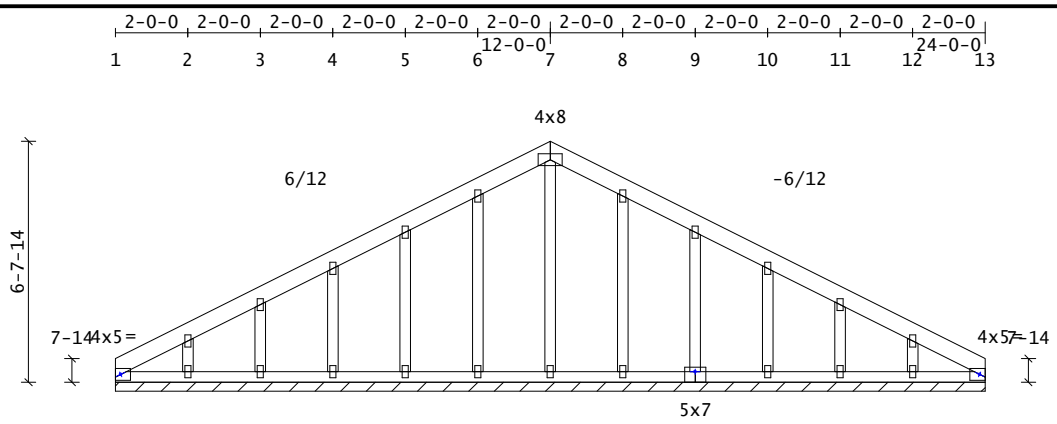
(None unless indicated below)
Jnt2(0,-00-09)

RB24098_RP -	Residence	Qty: 1	Truss: G1

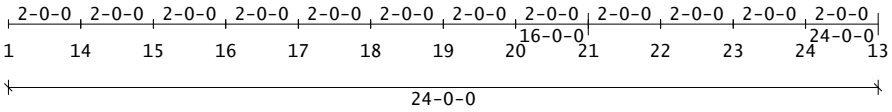
Customer: GREEN-R-PANEL

SID: 0003342259
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Typical plate: 2x4



Truss Weight = 128.1 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   26.0  10.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total      46.0  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: B
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----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: B
Bldg Dims: L =  70.0 ft  B =  54.0 ft
M.R.H(h)=  20.0ft Kzt = 1.0 Ke = 1.00
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: 5-04-13
```

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

Member Forces Summary

```
Max CSI in TC PANEL   6 -  7   0.04
Max CSI in BC PANEL   1 - 14   0.02
Max CSI in Web       19 -  7   0.11

...Mem...    Ten     Comp     .CSI.
TC   1- 7    160       86     0.04
     7-13    160       86     0.04
BC   1-21     80       30     0.02
    13-21     80       29     0.02
Web  2-14    109      224     0.02
     3-15     95      217     0.03
     4-16     69      215     0.04
     5-17     64      212     0.06
     6-18     50      226     0.10
     7-19      2      170     0.11
     8-20     50      226     0.10
     9-21     64      212     0.06
    10-22     69      215     0.04
    11-23     95      217     0.03
    12-24    109      224     0.02
```

Reaction Summary

```
Max Horiz =    -91 /    +91 at Joint  19
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 13          92    0 24-00-00
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [12-00-00] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load combinations and additional details.

Notes

If this truss is exposed to wind load perpendicular to the plane of the truss, gable studs must be braced according to the Construction Documents, BCSI-B3, or a gable stud bracing detail matching the design wind speed shown. Lateral bracing of the truss itself to resist out-of-plane wind load must be in accordance with the Construction Documents.
The maximum rake overhang length is 12.0".
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.
The upper top chord (UTC) may be notched 1.5" deep x 3.5" wide at 24" o.c. max. for outlookers. Do not notch in the heel areas marked or anywhere there is a single chord member. Do not cut the connector plates.
This truss is not symmetric - proper orientation is critical.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.00) 24-13
Vert DL   L/120   L/999(-0.00) 24-13
Vert CR   L/180   L/999(-0.00) 24-13
Horz LL   0.75in       ( 0.00) @Jt13
Horz CR   1.25in       ( 0.00) @Jt13
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-11,0), Jnt13(-00-11,0), Jnt21(0,-01-00)

D:\SST_Riverbend\Clie... **Component Solutions Truss Studio V 2024.3.2.1**

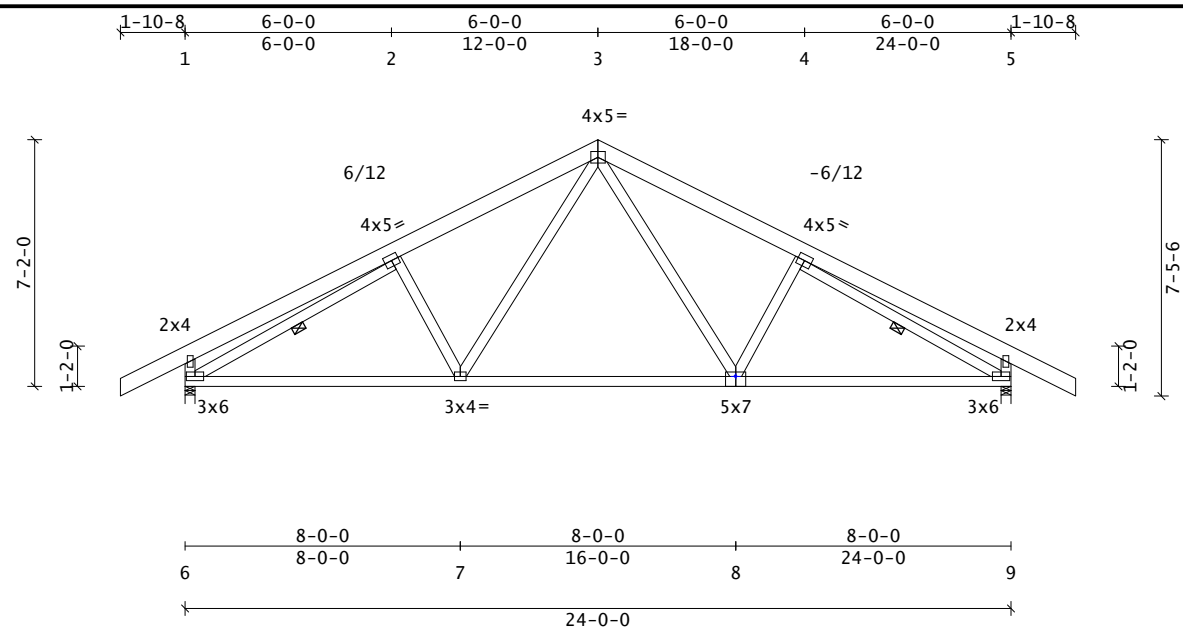
EngDrwg: 2021r5RGT

RB24098_RP -	Residence	Qty: 10	Truss: G2

Customer: GREEN-R-PANEL

SID: 0003342260
TID: RB24098_RP
Date: 01 / 21 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 128.5 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC    26.0  10.0      Live  Wind  Snow
BC     0.0  10.0  Lum 1.25  1.60  1.15
Total      46.0  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: B
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----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: B
Bldg Dims: L =  70.0 ft  B =  54.0 ft
M.R.H(h)=  20.0ft Kzt = 1.0 Ke = 1.00
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: 5-04-13
```

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

Member Forces Summary

```
Max CSI in TC PANEL   2 -  3   0.31
Max CSI in BC PANEL   6 -  7   0.79
Max CSI in Web        6 -  2   0.38

...Mem...    Ten     Comp     .CSI.
TC  OH- 1    108        0     0.24
     1- 2    114       89     0.24
     2- 3    254     1436     0.31
     3- 4    254     1436     0.31
     4- 5    114       89     0.24
     5-OH    108        0     0.24
BC  OH- 6      0        0     0.00
     6- 7   1305      106     0.79
     7- 8    928        0     0.61
     8- 9   1305       92     0.79
     9-OH      0        0     0.00
Web  1- 6    232      385     0.04
     2- 6    117     1551     0.38
     2- 7    180      327     0.10
     3- 7    543       64     0.13
     3- 8    543       64     0.13
     4- 8    180      327     0.10
     4- 9    117     1551     0.38
     5- 9    232      385     0.04
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  6     01-12  1246    0    03-08 01-15    SPF  531
  9  23-10-04  1246    0    03-08 01-15    SPF  531
Max Horiz =    -91 /    +91 at Joint   6
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [12-00-00] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for load 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.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE. Alternatively, see D-WEBREINFORCE.
This truss is not symmetric - proper orientation is critical.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.18)  7- 8
Vert DL   L/120   L/999(-0.15)  8- 9
Vert CR   L/180   L/999(-0.28)  8- 9
Horz LL   0.75in       ( 0.03) @Jt 9
Horz CR   1.25in       ( 0.05) @Jt 9
Ohng CR  2L/180  2L/999(-0.02)  1- 1
Ohng CR  2L/180  2L/999(-0.02)  5- 5
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR ----------
Single:    6- 2  4- 9
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt8(0,-01-00)