RB24003 - **Qty: 1** **Truss: G1**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
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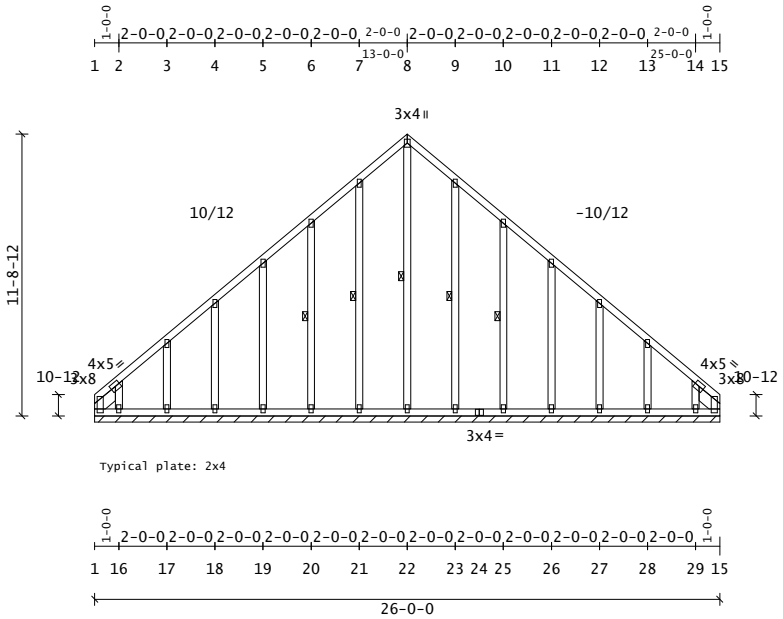
Truss Mfr. Contact:



Truss Weight = 168.8 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  30.7  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

TC	2x4	SPF	#2
BC	2x4	SPF	#2
Webs	2x4	SPF	#2
Slider	2x6	SPF	#2

Member Forces Summary

Max CSI in TC PANEL	6 - 7	0.08
Max CSI in BC PANEL	1 - 16	0.06
Max CSI in Web	22 - 8	0.25

...Mem...	Ten	Comp	.CSI.
TC 1- 8	241	115	0.08
8-15	241	115	0.08
BC 1-24	295	64	0.06
15-24	295	64	0.06
Web 1- 2	130	607	0.03
2-16	435	179	0.06
3-17	138	284	0.04
4-18	128	272	0.07
5-19	129	274	0.15
6-20	133	270	0.08
7-21	135	303	0.15
8-22	0	352	0.25
9-23	135	303	0.15
10-25	133	270	0.08
11-26	129	274	0.15
12-27	128	272	0.07
13-28	138	284	0.04
14-15	130	607	0.03
14-29	435	179	0.06

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  1     04-00   624  115 26-00-00
 16   1-00-00   249  431 26-00-00
 29  25-00-00   249  431 26-00-00
 15  25-08-00   624  115 26-00-00
Max Horiz =   -336 /   +336 at Joint  22
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 15          94    0 26-00-00  (reduced)
```

Unfactored Reaction Summary

Jnt	Type	Snow	Live	Wind	Dead
	Pinned (Wall)	1596	519	-372	1039

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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".
Gable requires 7/16" OSB sheathing on front from 0-00-00 to 26-00-00; connection details to be provided by the Building Designer.
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.
This truss is not symmetric - proper orientation is critical.

Deflection Summary

Truss	Span	Limit	Actual(in)	Location
Vert LL		L/360	L/999(-0.00)	16-17
Vert DL		L/360	L/999(-0.00)	16-17
Vert TL		L/180	L/999(-0.00)	16-17
Horz TL		1.00in	(0.01)	@Jt15

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:   20- 6 21- 7 22- 8 23- 9 25-10
```

Plate offsets (X, Y):

(None unless indicated below)

Plate Info

Plate	Grip psi	Shear pli			Tens.Pli	
AS	Max Min	@0 @45	@90	@0	@90	
20G	341 249	753 637	589	1144	1130	

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. = 5.0 Deg.
JSI Grip = (INPUT = 0.90)
JSI Metal = (INPUT = 1.00)

RB24003 - **Qty: 12** **Truss: G2**

Customer: GREEN-R-PANEL

SID:
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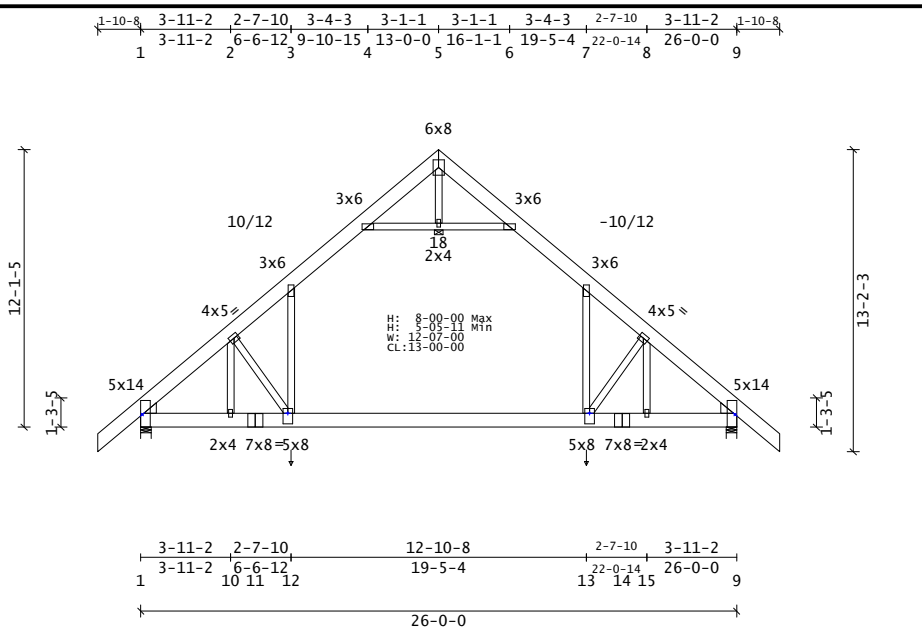
Truss Mfr. Contact:



Truss Weight = 226.5 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)   Factor Kh applied: Yes
TCSL(S)  30.7  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
Attic Floor:
 LL = 40.0 psf, DL = 10.0 psf
Attic Wall: DL =  5.0 psf
Attic Ceiling: DL =  5.0 psf
```

Material Summary

```
TC      2x8   SPF  1950/1.7
BC      2x8   SPF  #2
        2x8   SPF  2400/2.0 11-14
Webs    2x4   SPF  #2
Wedge   2x6   SPF  #2
TB      2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   2 -  3   0.64
Max CSI in BC PANEL  10 - 11   0.56
Max CSI in Web        4 - 18   0.67

...Mem...    Ten     Comp     .CSI.
TC  OH- 1    170        0     0.06
     1- 2      0     3584     0.19
     2- 3      0     3977     0.64
     3- 4      0     2420     0.63
     4- 5    428      272     0.50
     5- 6    428      272     0.50
     6- 7      0     2420     0.63
     7- 8      0     3977     0.64
     8- 9      0     3584     0.19
     9-OH    170        0     0.06
BC   1-10   2538        0     0.44
     9-15   2538        0     0.44
    10-11   2538        0     0.56
    11-12   2538        0     0.52
    12-13   2523        0     0.53
    13-14   2538        0     0.52
    14-15   2538        0     0.56
Web  2-10     93     1113     0.18
     2-12    466      588     0.12
     3-12   2319        0     0.37
     4-18      0     2962     0.67
     5-18     66        0     0.01
     6-18      0     2962     0.67
     7-13   2319        0     0.37
     8-13    471      590     0.12
     8-15     94     1113     0.18
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  1        0  3160    0    05-08 04-02    SPF
  9  26-00-00  3160    0    05-08 04-02    SPF
Max Horiz =   -381 /   +381 at Joint   1
```

Unfactored Reaction Summary

```
Jnt        Type         Snow      Live      Wind      Dead
 1    Pinned (Wall)      913       775      -169       812
 9    H Roll (Wall)      913       775      -169       812
```

Loads Summary

Attic space centred at 13-00-00 is loaded with 40.0 psf Live & 10.0 psf Dead Floor, 5.0 psf Dead Wall, 5.0 psf Dead Ceiling loads, and meets deflection criteria L/360.

See Loadcase Report for load combinations and additional details.

```
Unfactored Concentrated Loads (Max/Min)
Mbr        Dead        Snow        Live        Wind Location  Dir Desc
Web       54/54         0/0         0/0         0/0  6-06-12 Vert
 SidewallDL
Web       54/54         0/0         0/0         0/0 19-05-04 Vert
 SidewallDL
```

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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.
Lumber and plating have been applied symmetrically.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/658(-0.46) 12-13
Vert DL   L/360   L/999(-0.22) 12-13
Vert TL   L/180   L/447(-0.67) 12-13
Horz TL   1.00in      ( 0.03) @Jt 9
Ohng TL  OL/120  OL/875( 0.05)  1- 1
Ohng TL  OL/120  OL/875( 0.05)  9- 9
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
Attic tie beam (TB) & walls; bracing
indicated or rigid sheathing.
-------------Purlins------------
     ---oc---  --From--  ---To--- #Bays
TB    3-04-00   9-08-14  16-03-02   2
------- Web Bracing -- CLR -----------
Single:    4-18 18- 6
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt12(0,-01-08), Jnt13(0,-01-08),
Jnt1(01-11,00-07), Jnt9(-01-11,00-07)

Plate Info

```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
```

Plate Grip psi Shear pli Tens.Pli
JSI Metal = (INPUT = 1.00)

RB24003 - **Qty: 2** **Truss: G3**

Customer: GREEN-R-PANEL

SID:
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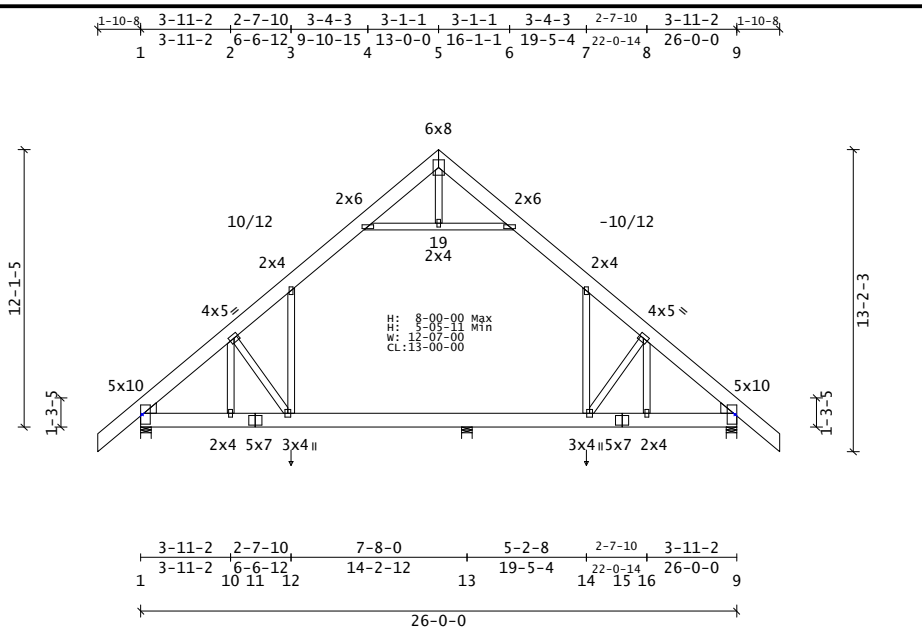
Truss Mfr. Contact:



Truss Weight = 206.6 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)   Factor Kh applied: Yes
TCSL(S)  30.7  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
Attic Floor:
 LL = 40.0 psf, DL = 10.0 psf
Attic Wall: DL =  5.0 psf
Attic Ceiling: DL =  5.0 psf
```

Material Summary

TC	2x8	SPF	#2
BC	2x8	SPF	#2
Webs	2x4	SPF	#2
Wedge	2x6	SPF	#2
TB	2x4	SPF	#2

Member Forces Summary

Max CSI in TC PANEL	2 - 3	0.59	
Max CSI in BC PANEL	12 - 13	0.90	
Max CSI in Web	4 - 19	0.94	

...Mem...		Ten	Comp	.CSI.
TC	OH- 1	170	0	0.13
	1- 2	0	2656	0.21
	2- 3	0	2383	0.59
	3- 4	96	1668	0.58
	4- 5	203	342	0.33
	5- 6	107	328	0.50
	6- 7	89	1736	0.50
	7- 8	0	2207	0.29
	8- 9	0	2454	0.20
	9-OH	170	0	0.13
BC	1-10	1867	0	0.34
	9-16	1712	0	0.30
	10-11	1867	0	0.43
	11-12	1867	0	0.63
	12-13	1520	0	0.90
	13-14	1520	0	0.90
	14-15	1712	0	0.60
	15-16	1712	0	0.39
Web	2-10	291	191	0.04
	2-12	353	892	0.20
	3-12	1050	0	0.17
	4-19	125	1515	0.94
	5-19	64	0	0.01
	6-19	125	1515	0.94
	7-14	611	80	0.10
	8-14	446	678	0.15
	8-16	336	354	0.05

Maximum Factored Reaction Summary

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat
1	0	2472	0	05-08	03-03	SPF
13	14-02-12	1946	0	05-08	02-02	SPF
9	26-00-00	2306	0	05-08	03-00	SPF

Max Horiz = -381 / +381 at Joint 1

Unfactored Reaction Summary

Jnt	Type	Snow	Live	Wind	Dead
1	Pinned (Wall)	871	390	-131	620
13	H Roll (Wall)	142	850	-12	423
9	H Roll (Wall)	848	309	-162	580

Loads Summary

Attic space centred at 13-00-00 is loaded with 40.0 psf Live & 10.0 psf Dead Floor, 5.0 psf Dead Wall, 5.0 psf Dead Ceiling loads, and meets deflection criteria L/360.

See Loadcase Report for load combinations and additional details.
Unfactored Concentrated Loads (Max/Min)

Mbr	Dead	Snow	Live	Wind	Location	Dir	Desc
Web	54/54	0/0	0/0	0/0	6-06-12	Vert	SidewallDL
Web	54/54	0/0	0/0	0/0	19-05-04	Vert	SidewallDL

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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/360	L/999(-0.26)	12-13
Vert DL	L/360	L/999(-0.09)	12-13
Vert TL	L/180	L/859(-0.35)	12-13
Horz TL	1.00in	(0.04)	@Jt 9
Ohng TL	OL/120	OL/694(0.06)	1- 1
Ohng TL	OL/120	OL/977(-0.05)	9- 9

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
Attic tie beam (TB) & walls; bracing
indicated or rigid sheathing.
Web Bracing -- None
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(01-11,0), Jnt9(-01-11,0)

Plate Info

Plate	Grip psi	Shear pli			Tens.Pli	
AS	Max Min	@0 @45	@90	@0	@90	
20G	341 249	753 637	589	1144	1130	

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. = 5.0 Deg.
JSI Grip = (INPUT = 0.90)
JSI Metal = (INPUT = 1.00)

RB24003 - **Qty: 1** **Truss: LT1**

Customer: GREEN-R-PANEL

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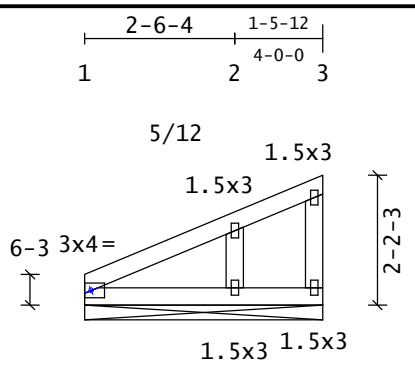
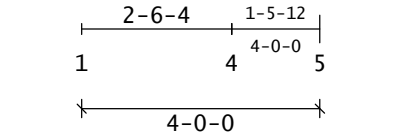
Truss Mfr. Contact:





Truss includes non-inventory materials.

Truss Weight = 13.9 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  39.3  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.12
Max CSI in BC PANEL   1 -  4   0.06
Max CSI in Web        4 -  2   0.04

...Mem...    Ten     Comp     .CSI.
TC   1- 3    102      106     0.12
BC   1- 5     84        0     0.06
Web  2- 4     95      409     0.04
     3- 5     15       70     0.02
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  4   2-06-04   553   61  4-00-00
Max Horiz =      0 /    +93 at Joint   4
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 5          76    0  4-00-00  (reduced)
```

Unfactored Reaction Summary

```
Jnt        Type        Snow     Live     Wind     Dead
      Pinned (Beam)     384       80      -90      160
```

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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".
Gable requires 7/16" OSB sheathing on front from 0-00-00 to 4-00-00; connection details to be provided by the Building Designer.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Plate marked as unavailable in catalogue: 2 - 1.5x3
Plate marked as unavailable in catalogue: 3 - 1.5x3
Plate marked as unavailable in catalogue: 4 - 1.5x3
Plate marked as unavailable in catalogue: 5 - 1.5x3

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999(-0.00)  1- 4
Vert DL   L/360   L/999(-0.00)  1- 4
Vert TL   L/180   L/999(-0.00)  1- 4
Horz TL   1.00in       ( 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)
Jnt1(00-11,0)

Plate Info

```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 -	Qty: 20	Truss: LT2

Customer: GREEN-R-PANEL

SID:
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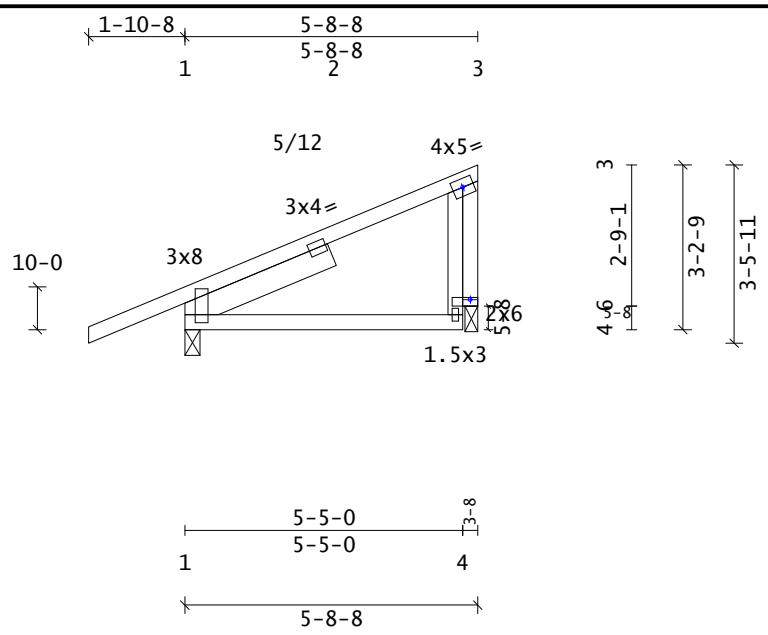
Truss Mfr. Contact:



Truss includes non-inventory materials.

Truss Weight = 30.3 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  39.3  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
Slider  2x6   SPF  #2
BB      2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  1   0.43
Max CSI in BC PANEL   1 -  4   0.24
Max CSI in Web        3 -  3   0.20

...Mem...    Ten     Comp      .CSI.
TC  OH- 1    125        0      0.43
     1- 2     38      483      0.29
     2- 3     56      187      0.39
BC   1- 4    166       35      0.24
Web  1- 2    206      215      0.02
     3- 6    154      779      0.09
     4- 6    132        0      0.11
BBK  3- 6     30       52      0.20
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  1        0   979   22    03-08 01-08    SPF
  6   5-07-00   557   54    03-00 01-08    SPF
Max Horiz =      0 /   +151 at Joint   1
Max Horiz =      0 /   +151 at Joint   6
TC Bearing @  3 net reaction =   +508
```

Unfactored Reaction Summary

```
Jnt        Type        Snow     Live     Wind     Dead
 1    Pinned (Beam)     479       55      -68      164
 6    H Roll (Beam)     250       52      -66      103
```

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Plate marked as unavailable in catalogue: 4 - 1.5x3
Vertical Step - Ensure adequate drift loads are applied
Undefined TC Bearing End Condition - Engineering Verification Required

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999(-0.04)  1- 4
Vert DL   L/360   L/999(-0.03)  1- 4
Vert TL   L/180   L/806(-0.08)  1- 4
Horz TL   1.00in        ( 0.03) @Jt 1
Ohng TL  OL/120  OL/732( 0.06)  1- 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt3(00-01,0), Jnt6(-01-04,-00-08)

Plate Info

```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```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Component Solutions
Truss Studio V
2024.3.2.1

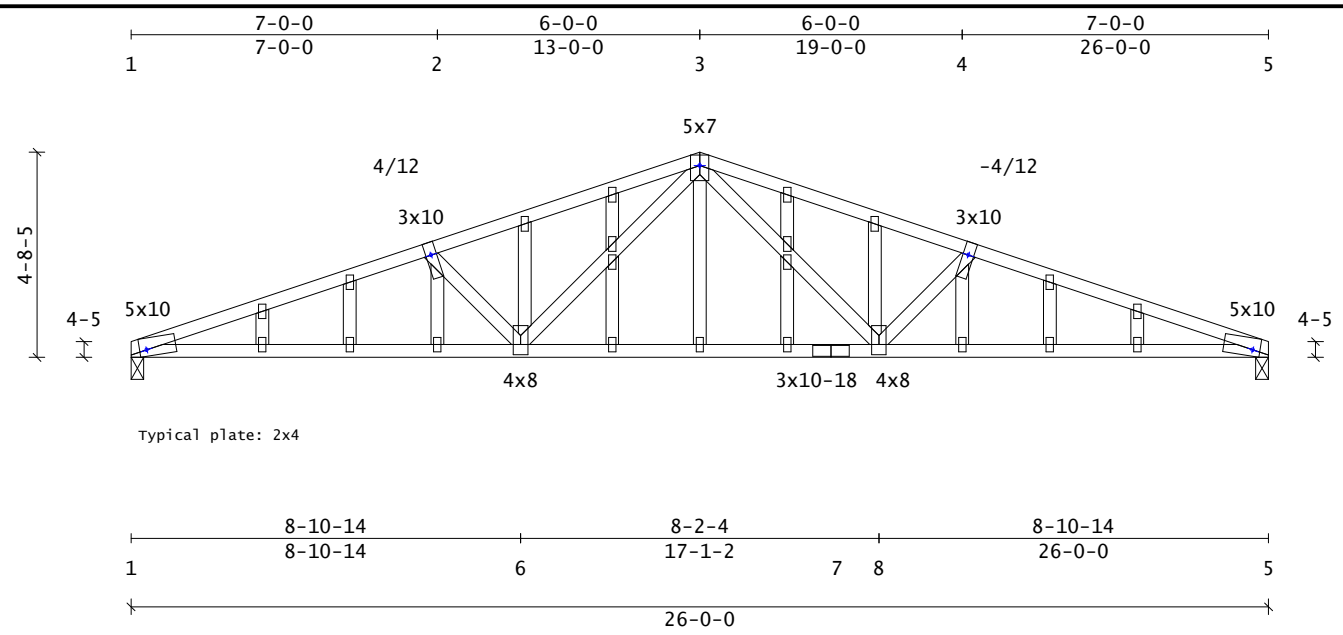
EngDrwg: 2021r5RGT

RB24003 - **Qty: 1** **Truss: LT3**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Typical plate: 2x4

Truss Weight = 138.0 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)   39.3  Dur Fac Kd = 1.00 (Snow)
TCLL       0.0          Kd = 1.00 (Live)
TCDL      10.0          Kd = 1.15 (Wind)
BCLL      10.0
BCDL      10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.17 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  1650/1.5
BC      2x4   SPF  2100/1.8
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL    1 -  2   0.84
Max CSI in BC PANEL    1 -  6   0.68
Max CSI in Web         6 -  3   0.29

...Mem...    Ten     Comp     .CSI.
TC    1- 2     75     5909     0.84
      2- 3      0     5132     0.80
      3- 4      0     5132     0.80
      4- 5     75     5909     0.84
BC    1- 6   5499       39     0.68
      5- 8   5499        0     0.68
      6- 7   3595        0     0.52
      7- 8   3595        0     0.52
Web   2- 6    280     1291     0.19
      3- 6   1820       76     0.29
      3- 8   1820       76     0.29
      4- 8    280     1291     0.19
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc-  React -Up- --Width- -Reqd   -Mat
  1        0   2443    0    03-08 02-05    SPF
  5  26-00-00  2443    0    03-08 02-05    SPF
Max Horiz =    -69 /    +69 at Joint   1
```

Unfactored Reaction Summary

```
Jnt        Type         Snow     Live     Wind     Dead
 1    Pinned (Beam)     1022      259     -350      519
 5    H Roll (Beam)     1022      260     -350      520
```

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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".
Gable requires 7/16" OSB sheathing on front from 0-00-00 to 26-00-01; connection details to be provided by the Building Designer.
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/360   L/999(-0.27)  8- 5
Vert DL   L/360   L/999(-0.20)  8- 5
Vert TL   L/180   L/656(-0.46)  8- 5
Horz TL   1.00in       ( 0.10) @Jt 5
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(02-14,01-03), Jnt2(00-08,-01-07), Jnt3(0,-00-10), Jnt4(-00-08,-01-07), Jnt5(-02-14,01-03)

Plate Info

```
Plate  Grip psi    Shear pli     Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130
HS18G  344  220 1103  890  979 1829 1808

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```


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

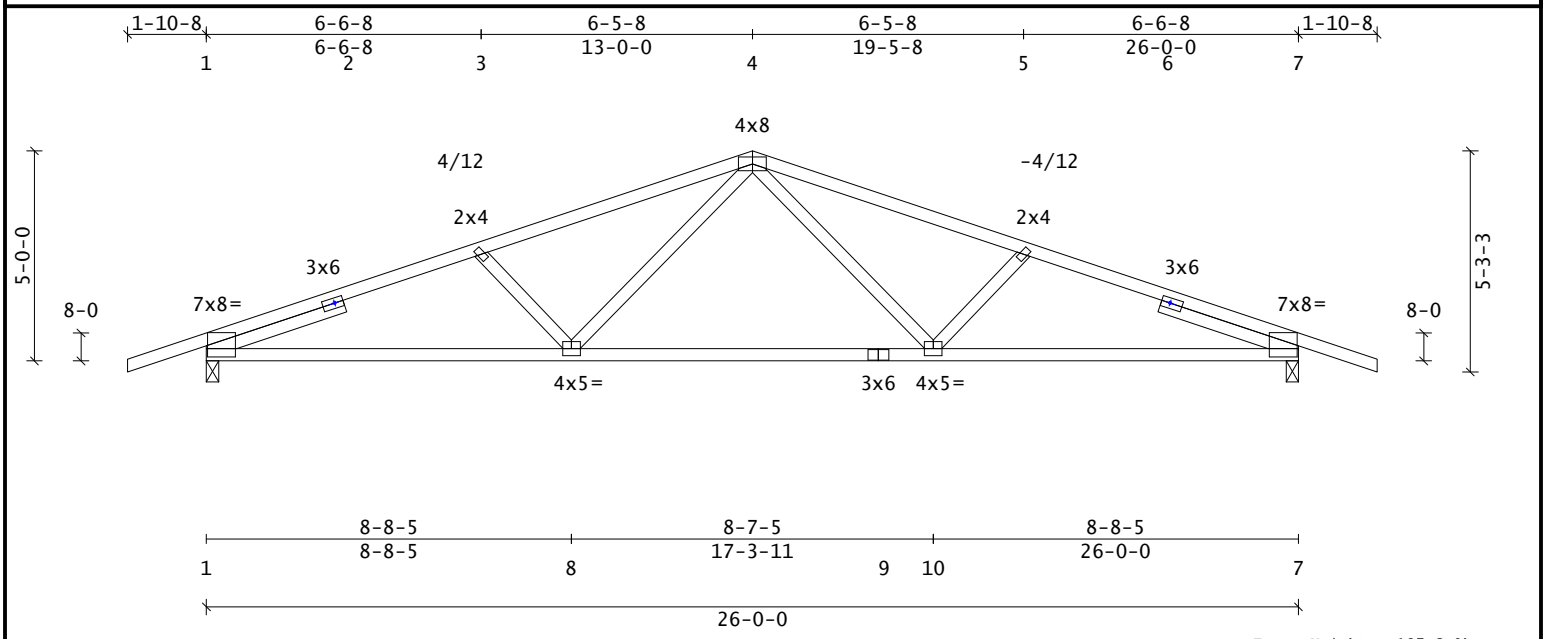
EngDrwg: 2021r5RGT

RB24003 -	Qty: 6	Truss: LT4

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 107.3 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  39.3  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.17 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

TC	2x4	SPF	1650/1.5
BC	2x4	SPF	1650/1.5
Webs	2x4	SPF	#2
Slider	2x4	SPF	#2

Member Forces Summary

Max CSI in TC PANEL	3 - 4	0.89
Max CSI in BC PANEL	1 - 8	0.87
Max CSI in Web	1 - 2	0.39

...Mem...		Ten	Comp	.CSI.
TC	OH- 1	98	0	0.34
	1- 2	0	2864	0.27
	2- 3	56	5145	0.53
	3- 4	0	4650	0.89
	4- 5	0	4650	0.89
	5- 6	56	5145	0.53
	6- 7	0	2864	0.27
	7-OH	98	0	0.34
BC	1- 8	4825	0	0.87
	7-10	4825	0	0.87
	8- 9	3327	0	0.65
	9-10	3327	0	0.65
Web	1- 2	260	2674	0.39
	3- 8	284	1011	0.16
	4- 8	1527	79	0.24
	4-10	1527	80	0.24
	5-10	284	1011	0.16
	6- 7	260	2674	0.39

Maximum Factored Reaction Summary

Reaction Summary(Lbs)						
Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat
1	0	2720	45	03-08	02-15	SPF
7	26-00-00	2720	45	03-08	02-15	SPF
Max Horiz =		-83 /	+83 at Joint	1		

Unfactored Reaction Summary

Jnt	Type	Snow	Live	Wind	Dead
1	Pinned (Beam)	1169	259	-365	564
7	H Roll (Beam)	1169	259	-365	564

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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/360	L/999(-0.30)	8-10
Vert DL	L/360	L/999(-0.20)	8-10
Vert TL	L/180	L/611(-0.50)	8-10
Horz TL	1.00in	(0.11)	@Jt 7
Ohng TL	OL/120	OL/861(-0.05)	1- 1
Ohng TL	OL/120	OL/856(-0.05)	7- 7

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt2(-00-08,-00-03), Jnt6(00-08,-00-03)

Plate Info

Plate	Grip psi	Shear pli			Tens.Pli	
AS	Max Min	@0	@45	@90	@0	@90
20G	341 249	753	637	589	1144	1130

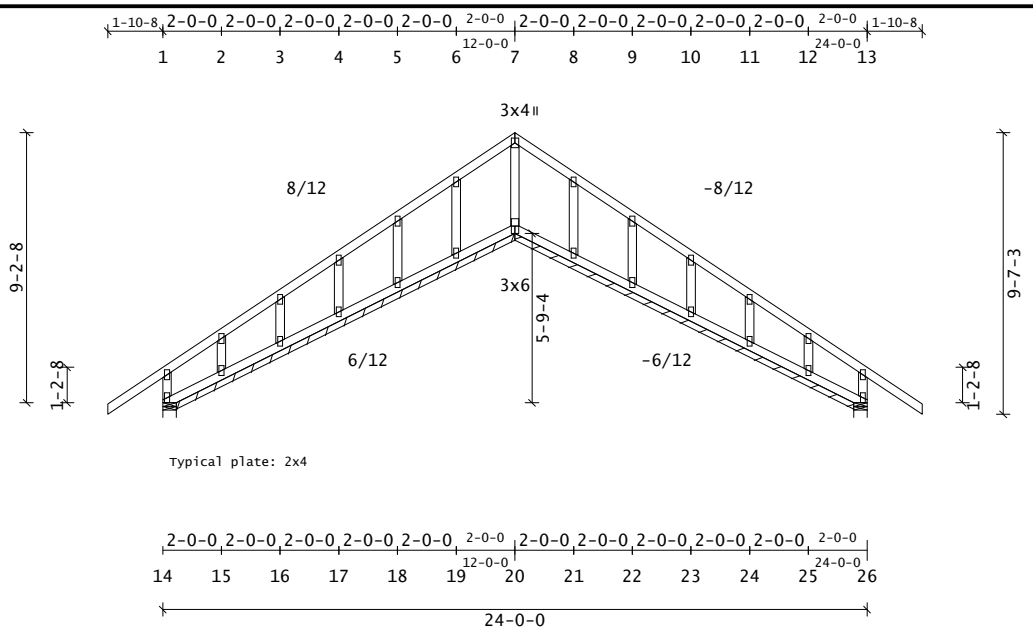
Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. = 5.0 Deg.
JSI Grip = (INPUT = 0.90)
JSI Metal = (INPUT = 1.00)

RB24003 - **Qty: 2** **Truss: RT1**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 104.7 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)   Factor Kh applied: Yes
TCSL(S)  36.1  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  1   0.41
Max CSI in BC PANEL  25 - 26   0.12
Max CSI in Web       14 -  1   0.14

...Mem...    Ten     Comp     .CSI.
TC   1- 7    168        0     0.41
     7-13    168        0     0.41
BC  14-20    181      181     0.11
    20-26    143      143     0.12
Web  1-14     86      504     0.14
     2-15    138      264     0.02
     3-16     99      332     0.03
     4-17    106      312     0.03
     5-18    104      306     0.03
     6-19    115      353     0.04
     7-20      0      454     0.06
     8-21    115      353     0.04
     9-22    104      306     0.03
    10-23    106      312     0.03
    11-24    101      332     0.03
    12-25    132      264     0.02
    13-26     70      504     0.14
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc-  React -Up-  --Width-  -Reqd   -Mat
 14         0    593  170     05-08 01-08    SPF
 26  24-00-00    593   48     05-08 01-08    SPF
 16   4-00-00    427   57  11-06-08
 17   6-00-00    402   72  11-06-08
 19  10-00-00    456   75  11-06-08
 20  12-00-00    565    0  11-06-08
 21  14-00-00    456   75  11-06-08
 23  18-00-00    402   71  11-06-08
 24  20-00-00    427   60  11-06-08
Max Horiz =   -275 /   +275 at Joint  14
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
 14- 20          30    0 11-06-08  (reduced)
 20- 26          59   16 11-06-08  (reduced)
```

Unfactored Reaction Summary

```
Jnt        Type        Snow     Live     Wind     Dead
14    Pinned (Wall)     306      18      112       92
      H Roll (Wall)     919      237     234      466
      H Roll (Wall)     841      206     -10      399
26    H Roll (Wall)     306      18       -4       92
```

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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".
Gable requires 7/16" OSB sheathing on front from 0-00-00 to 24-00-00; connection details to be provided by the Building Designer.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Bearing @ 6-02-12 exceeds wall width. Bearing enhancement may be required.
Bearing @ 17-09-04 exceeds wall width. Bearing enhancement may be required.
Lumber and plating have been applied symmetrically.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999( 0.00) 14-15
Vert DL   L/360   L/999(-0.00) 19-20
Vert TL   L/180   L/999(-0.00) 14-15
Horz TL   1.00in       ( 0.00) @Jt26
Ohng TL  OL/120  OL/548(-0.08)  1- 1
Ohng TL  OL/120  OL/558(-0.08) 13-13
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

Plate Info

```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```


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

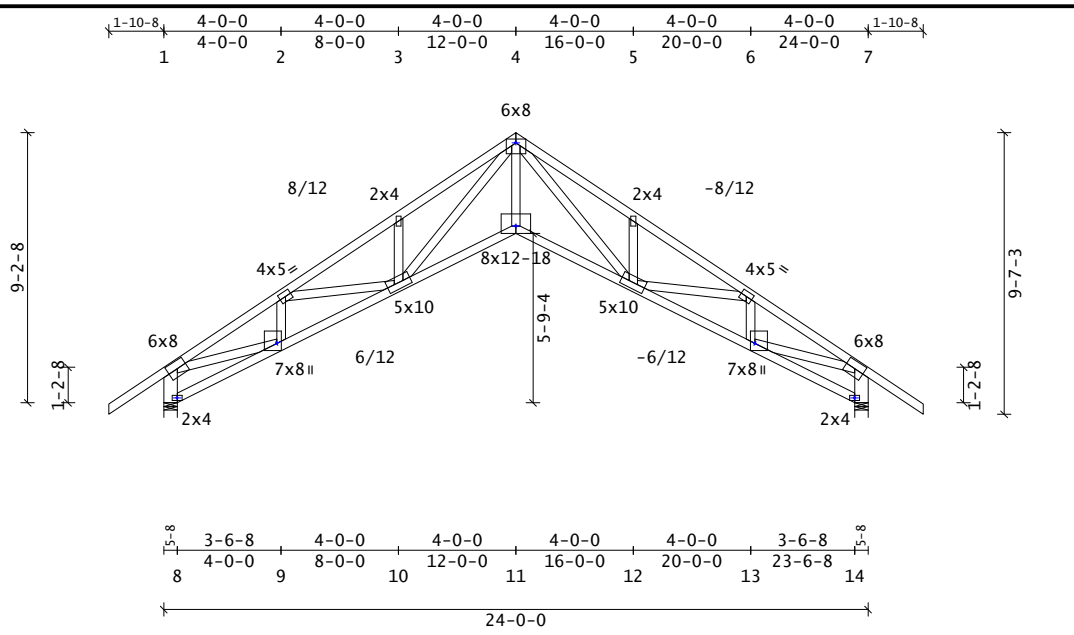
EngDrwg: 2021r5RGT

RB24003 - **Qty: 7** **Truss: RT2**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 147.8 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  36.1  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
        2x6   SPF  #2  8-1 14-7
```

Member Forces Summary

```
Max CSI in TC PANEL    3 -  4   0.69
Max CSI in BC PANEL   10 - 11   0.85
Max CSI in Web        11 -  4   0.69

...Mem...    Ten      Comp      .CSI.
TC  OH- 1    168         0      0.41
     1- 2     19      5043      0.58
     2- 3      0      5842      0.60
     3- 4    105      5869      0.69
     4- 5    105      5869      0.69
     5- 6      0      5842      0.60
     6- 7     19      5043      0.58
     7-OH    168         0      0.41
BC   8- 9    338       329      0.12
     9-10   4606        66      0.84
    10-11   4648         0      0.85
    11-12   4648         0      0.85
    12-13   4606        66      0.84
    13-14    338       329      0.12
Web  1- 8     98      2309      0.15
     1- 9   4184         0      0.67
     2- 9     93       945      0.10
     2-10    719         0      0.11
     3-10    234       707      0.08
     4-10   1490       665      0.31
     4-11   4294         0      0.69
     4-12   1490       665      0.31
     5-12    234       707      0.08
     6-12    719         0      0.11
     6-13     93       945      0.10
     7-13   4184         0      0.67
     7-14     98      2309      0.15
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc-  React -Up-  --Width-  -Reqd   -Mat
  8         0   2398    0    05-08 02-04    SPF
 14  24-00-00   2398    0    05-08 02-04    SPF
Max Horiz =    -278 /   +278 at Joint   8
Max Horiz =    -278 /   +278 at Joint  14
```

Unfactored Reaction Summary

Jnt	Type	Snow	Live	Wind	Dead
8	Pinned (Wall)	1001	239	-144	524
14	H Roll (Wall)	1001	239	-144	524

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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/360   L/788(-0.35) 10-11
Vert DL   L/360   L/999(-0.19) 10-11
Vert TL   L/180   L/509(-0.54) 10-11
Horz TL   1.00in       ( 0.63) @Jt14
Ohng TL  OL/120  OL/230( 0.20)  1- 1
Ohng TL  OL/120  OL/230( 0.20)  7- 7
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt4(0,-01-07), Jnt8(0,00-01),
Jnt9(-01-10,01-00), Jnt11(0,00-15),
Jnt13(01-10,01-00), Jnt14(0,00-01)

Plate Info

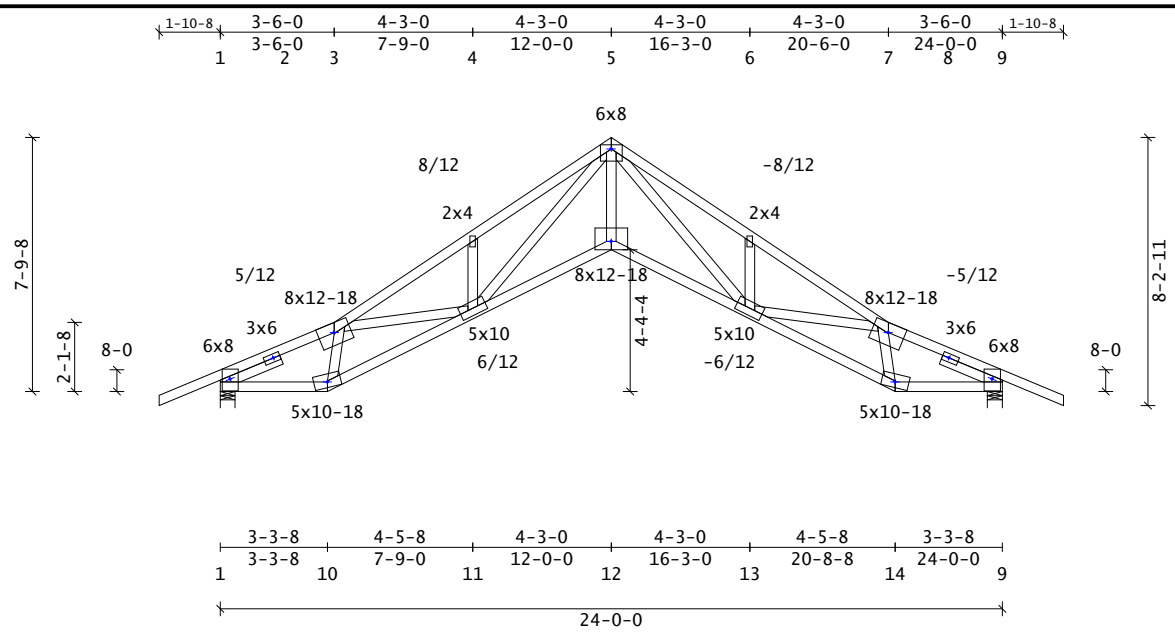
```
Plate  Grip psi    Shear pli     Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130
HS18G  344  220 1103  890  979 1829 1808

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 - **Qty: 8** **Truss: RT3**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 161.0 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  36.1  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
Slider  2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL    4 -  5   0.77
Max CSI in BC PANEL    1 - 10   0.86
Max CSI in Web        12 -  5   0.69

...Mem...    Ten      Comp      .CSI.
TC  OH- 1    125         0      0.43
     1- 2      0      2027      0.49
     2- 3      0      3967      0.61
     3- 4      0      5897      0.70
     4- 5     95      5961      0.77
     5- 6      0      5961      0.77
     6- 7      0      5897      0.70
     7- 8      0      3967      0.61
     8- 9      0      2027      0.49
     9-OH    125         0      0.43
BC   1-10   3549         0      0.86
     9-14   3549         0      0.86
    10-11   4250         0      0.80
    11-12   4671         0      0.86
    12-13   4671         0      0.86
    13-14   4250         0      0.80
Web  1- 2      6      2306      0.24
     3-10     60      1796      0.19
     3-11   1091         0      0.17
     4-11    278       809      0.09
     5-11   1560       569      0.30
     5-12   4318         0      0.69
     5-13   1560       664      0.35
     6-13    278       809      0.09
     7-13   1091         0      0.17
     7-14      0      1796      0.19
     8- 9      3      2306      0.24
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  1        0  2450    0    05-08 03-06    SPF
  9  24-00-00  2450    0    05-08 03-06    SPF
Max Horiz =   -163 /   +163 at Joint   1
```

Unfactored Reaction Summary

```
Jnt        Type        Snow     Live     Wind     Dead
 1    Pinned (Wall)    1036      239     -245      524
 9    H Roll (Wall)    1036      240     -245      525
```

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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/360   L/811(-0.34) 11-12
Vert DL   L/360   L/999(-0.19) 11-12
Vert TL   L/180   L/521(-0.53) 11-12
Horz TL   1.00in       ( 0.38) @Jt 9
Ohng TL  OL/120  OL/700( 0.06)  1- 1
Ohng TL  OL/120  OL/700( 0.06)  9- 9
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt2(-00-07,-00-03), Jnt3(00-03,-00-07), Jnt5(0,-01-07), Jnt7(-00-03,-00-07), Jnt8(00-07,-00-03), Jnt10(-00-02,00-07), Jnt12(0,00-15), Jnt14(00-02,00-07), Jnt1(0,-00-05), Jnt9(0,-00-05)

Plate Info

```
Plate  Grip psi    Shear pli     Tens.Pli
 AS    Max  Min    @0  @45  @90   @0  @90
20G    341  249   753  637  589 1144 1130
HS18G  344  220  1103  890  979 1829 1808

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```


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

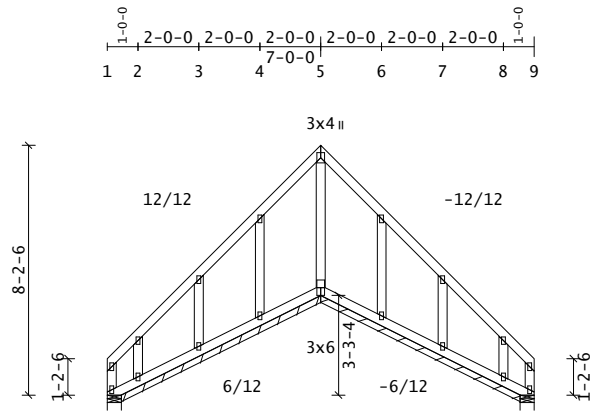
EngDrwg: 2021r5RGT

RB24003 - **Qty: 1** **Truss: T1**

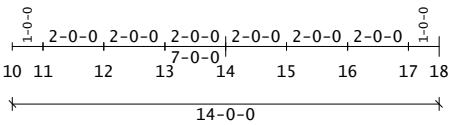
Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 2

Truss Mfr. Contact:



Typical plate: 1.5x3



Truss includes non-inventory materials.

Truss Weight = 65.5 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)   Factor Kh applied: Yes
TCSL(S)  26.2  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.08
Max CSI in BC PANEL  10 - 11   0.09
Max CSI in Web       14 -  5   0.10

...Mem...    Ten     Comp     .CSI.
TC   1- 5    195      249     0.08
     5- 9    195      249     0.08
BC  10-14    167      125     0.09
    14-18    167      125     0.09
Web  1-10    138      213     0.09
     2-11    174      214     0.02
     3-12    147      262     0.03
     4-13    157      290     0.05
     5-14      0      437     0.10
     6-15    157      290     0.05
     7-16    147      262     0.03
     8-17    174      214     0.02
     9-18    138      213     0.09
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc-  React -Up-  --Width-  -Reqd   -Mat
 10         0    337  246     05-08 01-08    SPF
 18  14-00-00    337  246     05-08 01-08    SPF
 11   1-00-00    288  207   6-06-08
 14   7-00-00    559    0   6-06-08
 17  13-00-00    288  207   6-06-08
Max Horiz =   -213 /   +213 at Joint  10
Max Horiz =   -213 /   +213 at Joint  18
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up-  --Width-
 10- 14          58    0   6-06-08  (reduced)
 14- 18         113   34   6-06-08  (reduced)
```

Unfactored Reaction Summary

```
Jnt        Type         Snow     Live     Wind     Dead
10    Pinned (Wall)      20        5      222       16
      H Roll (Wall)     420      149      257      357
      H Roll (Wall)     373      118       33      284
18    H Roll (Wall)      20        5      222       16
```

Loads Summary

See Loadcase Report for load combinations and additional details.
Dead loads have been slope adjusted for any pitch 12.00/12 or greater

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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".
Gable requires 7/16" OSB sheathing on front from 0-00-00 to 14-00-00; connection details to be provided by the Building Designer.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Plate marked as unavailable in catalogue: 1 - 1.5x3
Plate marked as unavailable in catalogue: 2 - 1.5x3
Plate marked as unavailable in catalogue: 3 - 1.5x3
Plate marked as unavailable in catalogue: 4 - 1.5x3
Plate marked as unavailable in catalogue: 6 - 1.5x3
Plate marked as unavailable in catalogue: 7 - 1.5x3
Plate marked as unavailable in catalogue: 8 - 1.5x3
Plate marked as unavailable in catalogue: 9 - 1.5x3
Plate marked as unavailable in catalogue: 10 - 1.5x3

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999(-0.00) 13-14
Vert DL   L/360   L/999(-0.00) 13-14
Vert TL   L/180   L/999(-0.00) 13-14
Horz TL   1.00in       ( 0.00) @Jt18
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

Plate Info

```
Plate  Grip psi    Shear pli     Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```


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

EngDrwg: 2021r5RGT

Plate marked as unavailable in catalogue: 11 - 1.5x3
Plate marked as unavailable in catalogue: 12 - 1.5x3
Plate marked as unavailable in catalogue: 13 - 1.5x3
Plate marked as unavailable in catalogue: 15 - 1.5x3
Plate marked as unavailable in catalogue: 16 - 1.5x3
Plate marked as unavailable in catalogue: 17 - 1.5x3
Plate marked as unavailable in catalogue: 18 - 1.5x3

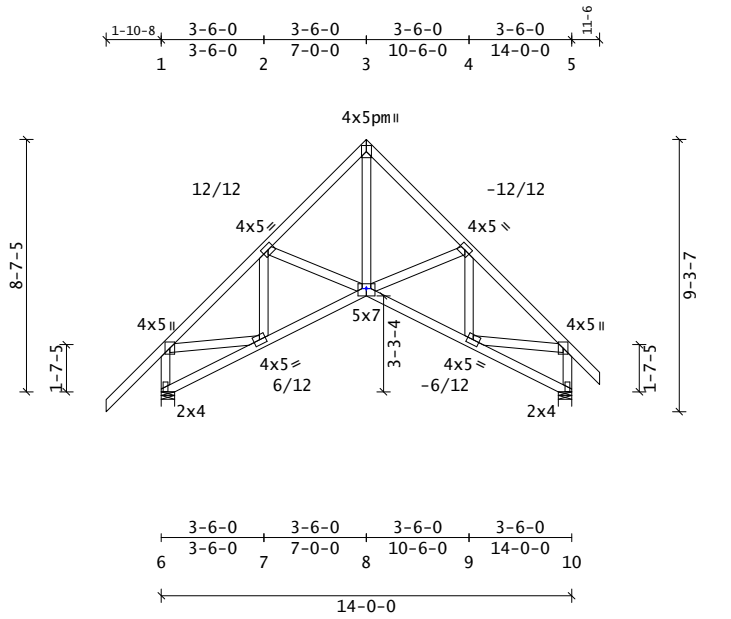
Bearing @ 3-08-12 exceeds wall width. Bearing enhancement may be required.
Bearing @ 10-03-04 exceeds wall width. Bearing enhancement may be required.
Lumber and plating have been applied symmetrically.

RB24003 - **Qty: 1** **Truss: T2**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 83.8 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  26.2  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL    1 -  1   0.35
Max CSI in BC PANEL    8 -  9   0.24
Max CSI in Web         8 -  3   0.20

...Mem...    Ten     Comp     .CSI.
TC  OH- 1    179        0     0.35
     1- 2      0     1468     0.27
     2- 3     29     1263     0.19
     3- 4     43     1266     0.19
     4- 5      0     1472     0.19
     5-OH     90        0     0.09
BC   6- 7    293      302     0.11
     7- 8   1089       78     0.23
     8- 9   1102       83     0.24
     9-10    312      283     0.11
Web  1- 6     22     1282     0.13
     1- 7    952        0     0.15
     2- 7     63      209     0.03
     2- 8    246      233     0.04
     3- 8   1233        0     0.20
     4- 8    242      274     0.05
     4- 9     73      215     0.03
     5- 9    964        0     0.15
     5-10      0     1149     0.12
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  6         0  1345    0    05-08 02-11    SPF
 10  14-00-00  1213    0    05-08 02-07    SPF
Max Horiz =   -239 /   +255 at Joint   6
Max Horiz =   -239 /   +255 at Joint  10
```

Unfactored Reaction Summary

```
Jnt        Type         Snow      Live      Wind      Dead
 6    Pinned (Wall)      469       139      -113       401
10    H Roll (Wall)      410       140       -98       365
```

Loads Summary

See Loadcase Report for load combinations and additional details.
Dead loads have been slope adjusted for any pitch 12.00/12 or greater

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999(-0.03)  7- 8
Vert DL   L/360   L/999(-0.02)  7- 8
Vert TL   L/180   L/999(-0.05)  7- 8
Horz TL   1.00in       ( 0.05) @Jt10
Ohng TL  OL/120  OL/470(-0.10)  1- 1
Ohng TL  OL/120  OL/981( 0.02)  5- 5
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt8(0,-00-09)

Plate Info

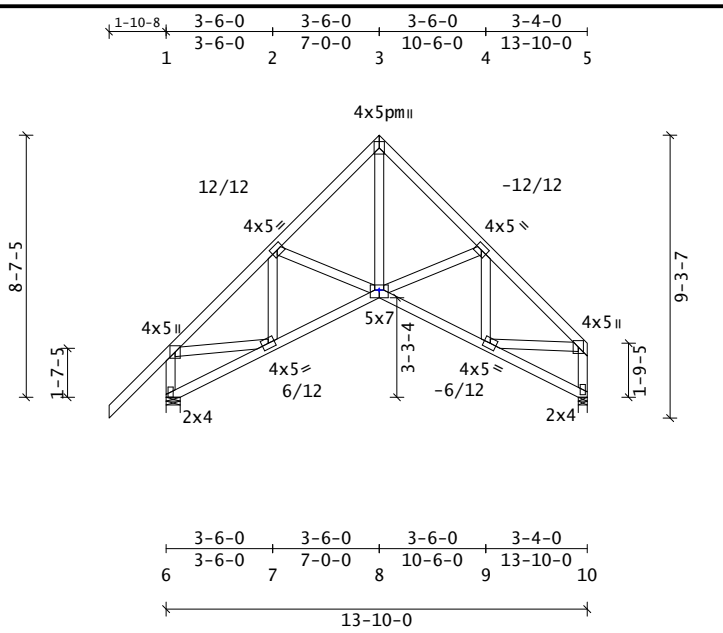
```
Plate  Grip psi   Shear pli     Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 - **Qty: 7** **Truss: T3**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 81.9 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  26.2  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:             No
Unbalanced Snow Loads:            Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  1   0.35
Max CSI in BC PANEL   7 -  8   0.23
Max CSI in Web        8 -  3   0.19

...Mem...    Ten     Comp     .CSI.
TC  OH- 1    179        0     0.35
     1- 2      4     1450     0.27
     2- 3     32     1240     0.19
     3- 4     63     1242     0.20
     4- 5      0     1404     0.19
BC   6- 7    263      301     0.11
     7- 8   1075       79     0.23
     8- 9   1057       78     0.23
     9-10    310      251     0.10
Web  1- 6     33     1273     0.13
     1- 7    939        0     0.15
     2- 7     62      204     0.03
     2- 8    246      236     0.04
     3- 8   1199        0     0.19
     4- 8    228      259     0.04
     4- 9     79      244     0.03
     5- 9    921        0     0.15
     5-10      0     1033     0.11
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  6         0  1336    0    05-08 02-10    SPF
 10  13-10-00  1093    0    03-08 01-12    SPF
Max Horiz =   -211 /   +255 at Joint   6
Max Horiz =   -211 /   +255 at Joint  10
```

Unfactored Reaction Summary

```
Jnt        Type        Snow     Live     Wind     Dead
 6    Pinned (Wall)     466      138     -112      398
10    H Roll (Wall)     361      138      -81      329
```

Loads Summary

See Loadcase Report for load combinations and additional details.
Dead loads have been slope adjusted for any pitch 12.00/12 or greater

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999(-0.02)  7- 8
Vert DL   L/360   L/999(-0.02)  7- 8
Vert TL   L/180   L/999(-0.05)  7- 8
Horz TL   1.00in       ( 0.05) @Jt10
Ohng TL  OL/120  OL/469(-0.10)  1- 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt8(0,-00-09)

Plate Info

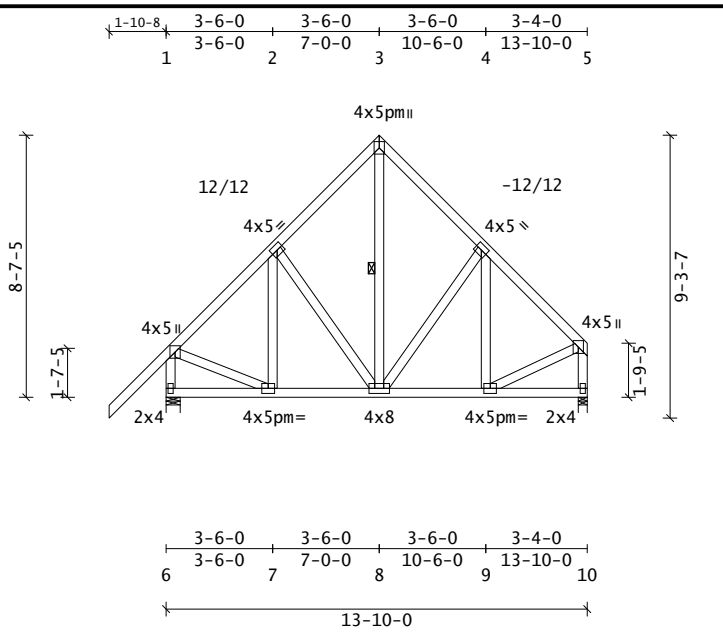
```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 - **Qty: 1** **Truss: T4**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 91.7 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  26.2  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  1   0.35
Max CSI in BC PANEL   7 -  8   0.17
Max CSI in Web        8 -  4   0.14

...Mem...    Ten     Comp     .CSI.
TC  OH- 1    179        0     0.35
     1- 2     16     1021     0.26
     2- 3    156      821     0.18
     3- 4    150      823     0.19
     4- 5     14      981     0.19
BC   6- 7    211      254     0.07
     7- 8    633       25     0.17
     8- 9    622       30     0.16
     9-10    254      211     0.07
Web  1- 6      0     1271     0.13
     1- 7    673        0     0.11
     2- 7     95       99     0.02
     2- 8    202      315     0.13
     3- 8    609      124     0.09
     4- 8    200      340     0.14
     4- 9     82      132     0.03
     5- 9    677        0     0.11
     5-10      0     1031     0.10
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc-  React -Up- --Width- -Reqd   -Mat
  6          0  1336    0    05-08 02-10    SPF
 10  13-10-00  1093    0    03-08 01-12    SPF
Max Horiz =   -211 /   +255 at Joint   6
Max Horiz =   -211 /   +255 at Joint  10
```

Unfactored Reaction Summary

```
Jnt        Type         Snow     Live     Wind     Dead
 6    Pinned (Wall)     466      138     -111      398
10    H Roll (Wall)     361      138      -84      329
```

Loads Summary

See Loadcase Report for load combinations and additional details.
Dead loads have been slope adjusted for any pitch 12.00/12 or greater

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999(-0.01)  7- 8
Vert DL   L/360   L/999(-0.01)  8- 9
Vert TL   L/180   L/999(-0.02)  7- 8
Horz TL   1.00in       ( 0.00) @Jt10
Ohng TL  OL/120  OL/442(-0.10)  1- 1
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    8- 3
```

Plate offsets (X, Y):

(None unless indicated below)

Plate Info

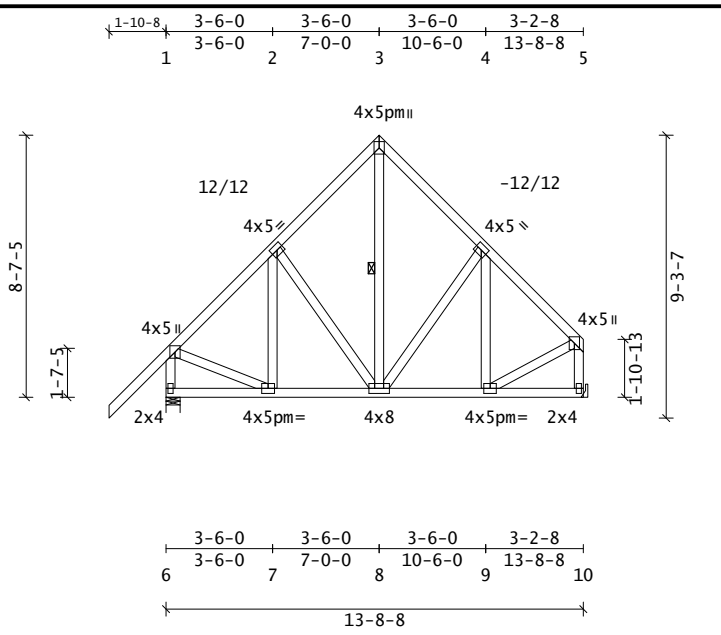
```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 - **Qty: 2** **Truss: T5**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 91.5 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  26.2  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  1   0.35
Max CSI in BC PANEL   7 -  8   0.17
Max CSI in Web        6 -  1   0.13

...Mem...    Ten     Comp     .CSI.
TC  OH- 1    179        0     0.35
     1- 2     17     1011     0.26
     2- 3    156      810     0.18
     3- 4    151      810     0.19
     4- 5     15      943     0.18
BC   6- 7    206      255     0.07
     7- 8    626       28     0.17
     8- 9    599       34     0.16
     9-10    255      206     0.07
Web  1- 6      0     1261     0.13
     1- 7    665        0     0.10
     2- 7     96       97     0.02
     2- 8    202      316     0.13
     3- 8    591      123     0.09
     4- 8    199      315     0.13
     4- 9     79      151     0.04
     5- 9    665        0     0.10
     5-10      0     1024     0.11
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  6         0  1326    0    05-08 02-10    SPF
 10  13-08-08  1083    0    01-08  HGR     SPF
Max Horiz =   -207 /   +255 at Joint   6
Max Horiz =   -207 /   +255 at Joint  10
```

Unfactored Reaction Summary

```
Jnt        Type         Snow     Live     Wind     Dead
 6    Pinned (Wall)     463      137     -110      395
10    H Roll(Hanger)    358      137      -82      326
```

Loads Summary

See Loadcase Report for load combinations and additional details.
Dead loads have been slope adjusted for any pitch 12.00/12 or greater

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999(-0.01)  7- 8
Vert DL   L/360   L/999(-0.01)  8- 9
Vert TL   L/180   L/999(-0.02)  7- 8
Horz TL   1.00in       ( 0.00) @Jt10
Ohng TL  OL/120  OL/441(-0.10)  1- 1
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    8- 3
```

Plate offsets (X, Y):

(None unless indicated below)

Plate Info

```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```


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

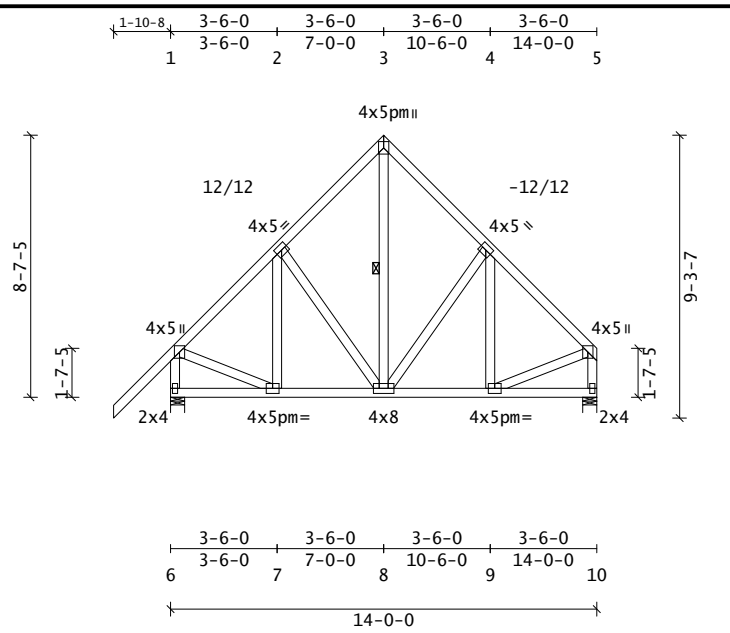
EngDrwg: 2021r5RGT

RB24003 - **Qty: 2** **Truss: T6**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 92.0 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  26.2  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  1   0.35
Max CSI in BC PANEL   7 -  8   0.17
Max CSI in Web        8 -  4   0.16

...Mem...    Ten     Comp     .CSI.
TC  OH- 1    179        0     0.35
     1- 2     15     1035     0.26
     2- 3    156      837     0.18
     3- 4    148      840     0.20
     4- 5     12     1032     0.20
BC   6- 7    217      253     0.07
     7- 8    643       22     0.17
     8- 9    654       26     0.17
     9-10    253      217     0.07
Web  1- 6      0     1284     0.13
     1- 7    683        0     0.11
     2- 7     94      101     0.02
     2- 8    202      313     0.13
     3- 8    633      126     0.10
     4- 8    201      373     0.16
     4- 9     96      107     0.03
     5- 9    695        0     0.11
     5-10      0     1041     0.10
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc-  React -Up- --Width- -Reqd   -Mat
  6         0   1349    0    05-08 02-11    SPF
 10  14-00-00   1106    0    05-08 02-03    SPF
Max Horiz =    -217 /   +254 at Joint   6
Max Horiz =    -217 /   +254 at Joint  10
```

Unfactored Reaction Summary

```
Jnt        Type        Snow     Live     Wind     Dead
 6    Pinned (Wall)     470      140     -113      402
10    H Roll (Wall)     366      139      -86      333
```

Loads Summary

See Loadcase Report for load combinations and additional details.
Dead loads have been slope adjusted for any pitch 12.00/12 or greater

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999(-0.01)  8- 9
Vert DL   L/360   L/999(-0.01)  8- 9
Vert TL   L/180   L/999(-0.02)  8- 9
Horz TL   1.00in       ( 0.00) @Jt10
Ohng TL  OL/120  OL/442(-0.10)  1- 1
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    8- 3
```

Plate offsets (X, Y):

(None unless indicated below)

Plate Info

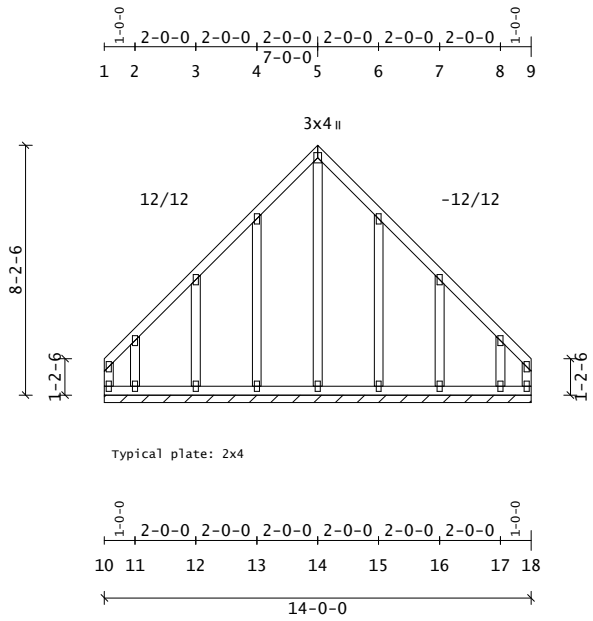
```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 - **Qty: 1** **Truss: T7**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 79.3 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  26.2  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   3 -  4   0.08
Max CSI in BC PANEL  10 - 11   0.10
Max CSI in Web       14 -  5   0.32

...Mem...    Ten     Comp     .CSI.
TC   1- 5     203      109     0.08
     5- 9     203      109     0.08
BC  10-18     146       70     0.10
Web  1-10      95      207     0.08
     2-11     171      212     0.02
     3-12     149      263     0.05
     4-13     155      289     0.12
     5-14       0      370     0.32
     6-15     155      289     0.12
     7-16     149      263     0.05
     8-17     171      212     0.02
     9-18      95      207     0.08
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
 11   1-00-00   284  202 14-00-00
 14   7-00-00   407    0 14-00-00
 17  13-00-00   284  202 14-00-00
Max Horiz =   -213 /   +213 at Joint  14
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
 10- 18          89    0 14-00-00  (reduced)
```

Unfactored Reaction Summary

```
Jnt        Type        Snow     Live     Wind     Dead
      Pinned (Wall)     732      280     -203      675
```

Loads Summary

See Loadcase Report for load combinations and additional details.
Dead loads have been slope adjusted for any pitch 12.00/12 or greater

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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".
Gable requires 7/16" OSB sheathing on front from 0-00-00 to 14-00-00; connection details to be provided by the Building Designer.
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/360   L/999(-0.00) 11-12
Vert DL   L/360   L/999(-0.00) 11-12
Vert TL   L/180   L/999(-0.00) 11-12
Horz TL   1.00in       ( 0.00) @Jt10
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

Plate Info

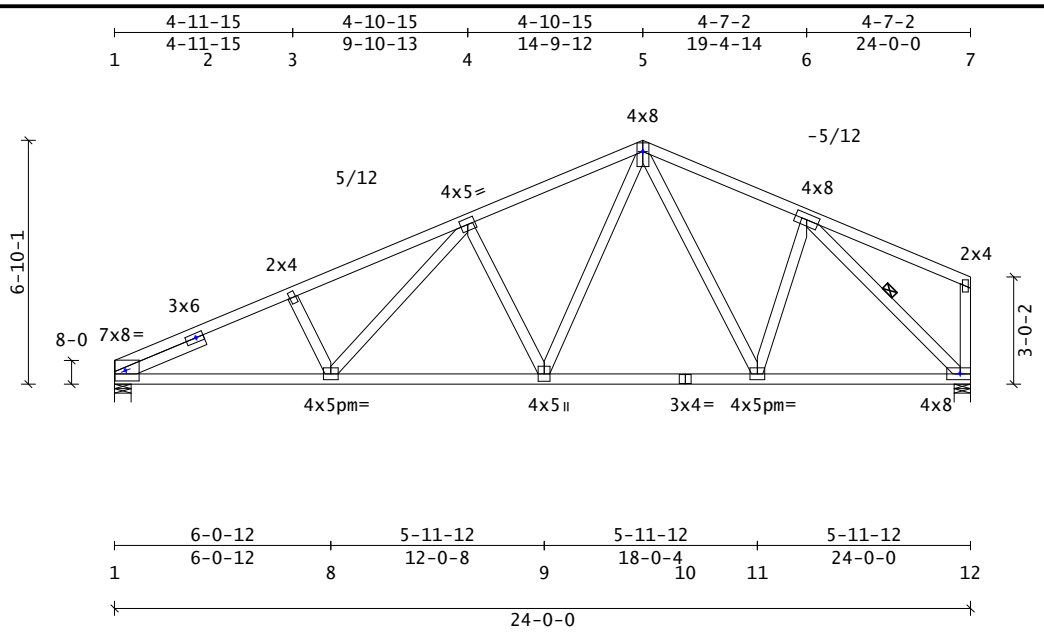
```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 - **Qty: 1** **Truss: T8**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 118.9 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  39.3  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
Slider  2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL    3 -  4   0.68
Max CSI in BC PANEL    1 -  8   0.76
Max CSI in Web         6 - 12   0.54

...Mem...    Ten      Comp      .CSI.
TC    1- 2      0      2258      0.25
      2- 3     53      4082      0.39
      3- 4     78      3899      0.68
      4- 5     86      2874      0.60
      5- 6     71      2278      0.49
      6- 7    181       107      0.61
BC    1- 8   3681        68      0.76
      8- 9   3022         0      0.66
      9-10   1948         0      0.49
     10-11   1948         0      0.53
     11-12   1858         0      0.51
Web   1- 2     68      2014      0.24
      3- 8    172       494      0.06
      4- 8    902        69      0.14
      4- 9    237      1352      0.40
      5- 9   1598       113      0.25
      5-11    388       384      0.28
      6-11    613       203      0.10
      6-12      0      2665      0.54
      7-12     79       278      0.05
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc-  React -Up-  --Width-  -Reqd   -Mat
  1         0   2317   12    05-08 03-03    SPF
 12  24-00-00   2255    0    05-08 03-08    SPF
Max Horiz =    -61 /   +129 at Joint   1
```

Unfactored Reaction Summary

```
Jnt        Type        Snow     Live     Wind     Dead
 1    Pinned (Wall)     985      239     -305      479
12    H Roll (Wall)     943      240     -323      480
```

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999(-0.13)  8- 9
Vert DL   L/360   L/999(-0.08)  8- 9
Vert TL   L/180   L/999(-0.21)  8- 9
Horz TL   1.00in       ( 0.07) @Jt12
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    6-12
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt2(-00-07,-00-03), Jnt5(0,-01-01), Jnt12(-00-08,0), Jnt1(00-08,0)

Plate Info

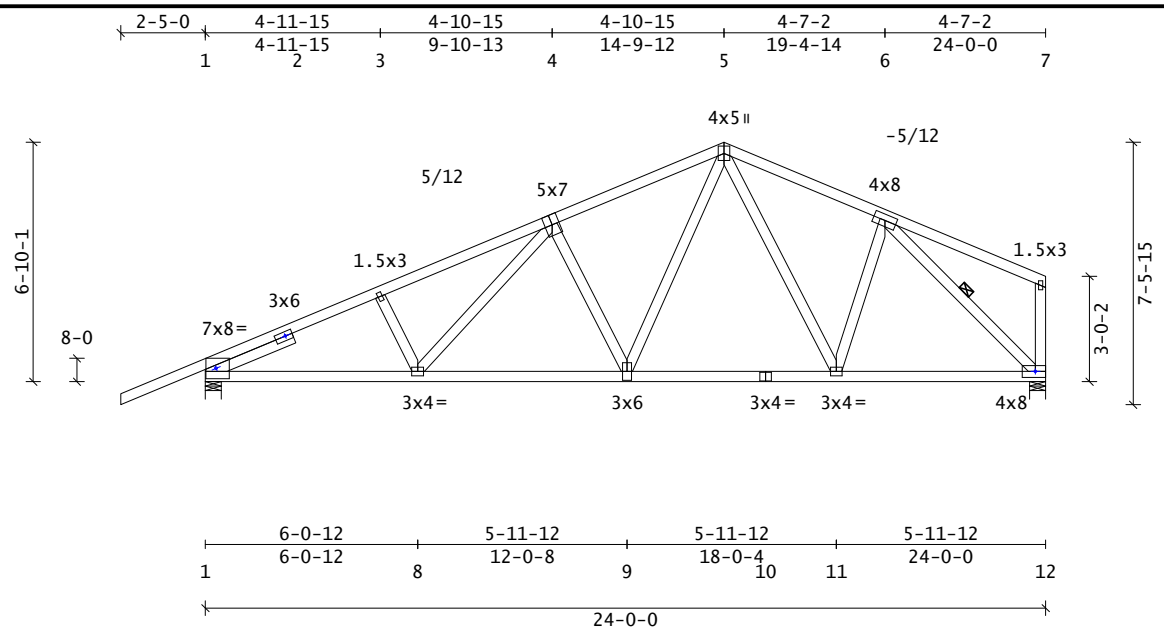
```
Plate  Grip psi   Shear pli     Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 - **Qty: 6** **Truss: T9**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss includes non-inventory materials.

Truss Weight = 119.9 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)  39.3  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:             No
Unbalanced Snow Loads:            Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
Slider  2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   4 -  5   0.79
Max CSI in BC PANEL   1 -  8   0.89
Max CSI in Web        6 - 12   0.54

...Mem...    Ten      Comp      .CSI.
TC  OH- 1    162         0      0.72
     1- 2      0      2105      0.40
     2- 3     50      4069      0.55
     3- 4     74      3899      0.76
     4- 5     66      2792      0.79
     5- 6     72      2273      0.49
     6- 7    181       107      0.61
BC   1- 8   3673        66      0.89
     8- 9   2903         0      0.65
     9-10   1943         0      0.50
    10-11   1943         0      0.52
    11-12   1854         0      0.51
Web  1- 2    108      2581      0.31
     3- 8    198       554      0.07
     4- 8    928        95      0.15
     4- 9    206      1168      0.34
     5- 9   1445        87      0.23
     5-11    390       375      0.27
     6-11    601       204      0.09
     6-12      0      2659      0.54
     7-12     79       278      0.05
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  1        0  2760   38    05-08 03-13    SPF
 12 24-00-00  2251    0    05-08 03-08    SPF
Max Horiz =    -38 /   +157 at Joint   1
```

Unfactored Reaction Summary

```
Jnt        Type        Snow     Live     Wind     Dead
 1    Pinned (Wall)    1229      239     -337      540
12    H Roll (Wall)     943      239     -319      477
```

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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.
Plate marked as unavailable in catalogue: 3 - 1.5x3
Plate marked as unavailable in catalogue: 7 - 1.5x3

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999(-0.14)  8- 9
Vert DL   L/360   L/999(-0.09)  8- 9
Vert TL   L/180   L/999(-0.23)  8- 9
Horz TL   1.00in       ( 0.07) @Jt12
Ohng TL  OL/120  OL/243(-0.24)  1- 1
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    6-12
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt2(-00-07,-00-03), Jnt12(-00-08,0), Jnt1(00-08,0)

Plate Info

```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```


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

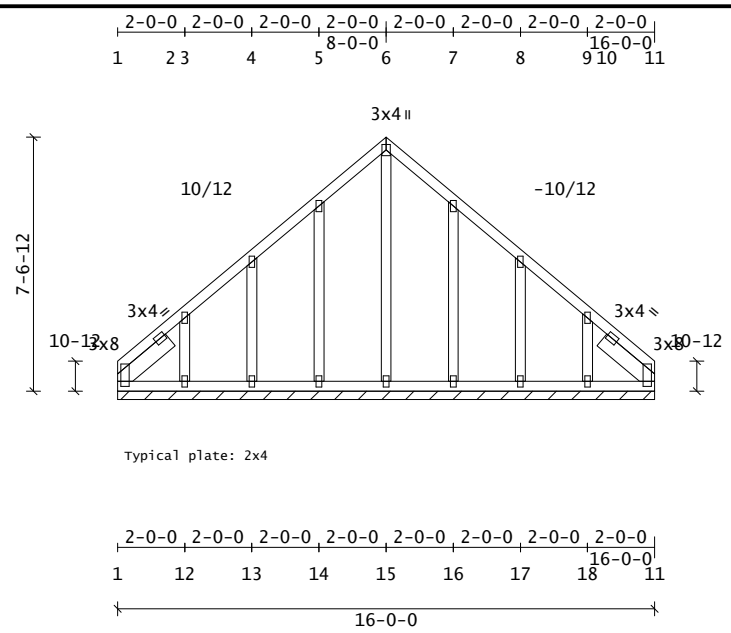
EngDrwg: 2021r5RGT

RB24003 - **Qty: 1** **Truss: T10**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Typical plate: 2x4

Truss Weight = 90.4 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)   30.7  Dur Fac Kd = 1.00 (Snow)
TCLL       0.0          Kd = 1.00 (Live)
TCDL      10.0          Kd = 1.15 (Wind)
BCLL      10.0
BCDL      10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
Slider  2x6   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL    4 -  5   0.08
Max CSI in BC PANEL    1 - 12   0.05
Max CSI in Web        15 -  6   0.19

...Mem...    Ten      Comp      .CSI.
TC   1- 6     178       136      0.08
     6-11     178       136      0.08
BC   1-11     158        61      0.05
Web  1- 2     103       261      0.01
     3-12     199       247      0.03
     4-13     122       273      0.05
     5-14     141       304      0.12
     6-15       0       274      0.19
     7-16     141       304      0.12
     8-17     122       273      0.05
     9-18     199       247      0.03
    10-11     103       261      0.01
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
 12   2-00-00   338  184 16-00-00
 18  14-00-00   338  184 16-00-00
Max Horiz =   -207 /   +207 at Joint  15
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 11         119    0 16-00-00  (reduced)
```

Unfactored Reaction Summary

```
Jnt        Type        Snow     Live     Wind     Dead
      Pinned (Wall)     982      320     -224      640
```

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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".
Gable requires 7/16" OSB sheathing on front from 0-00-00 to 16-00-00; connection details to be provided by the Building Designer.
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/360   L/999(-0.00) 12-13
Vert DL   L/360   L/999(-0.00) 12-13
Vert TL   L/180   L/999(-0.00) 12-13
Horz TL   1.00in       ( 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)

Plate Info

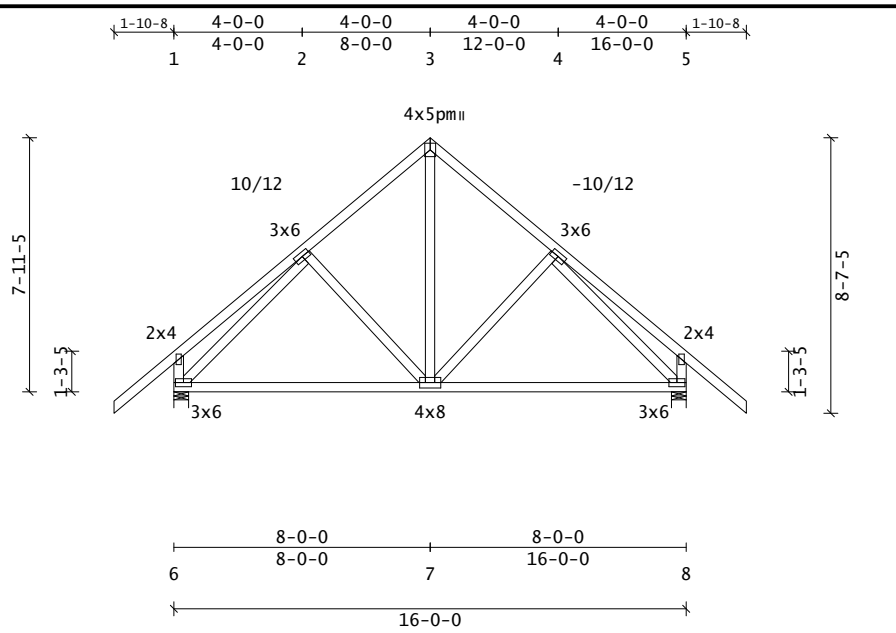
```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 - **Qty: 1** **Truss: T11**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 87.6 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)   Factor Kh applied: Yes
TCSL(S)  30.7  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  1   0.36
Max CSI in BC PANEL   6 -  7   0.70
Max CSI in Web        6 -  2   0.52

...Mem...    Ten     Comp     .CSI.
TC  OH- 1    170        0     0.36
     1- 2    231      184     0.30
     2- 3    110     1120     0.25
     3- 4    110     1120     0.25
     4- 5    231      184     0.30
     5-OH    170        0     0.36
BC   6- 7    902       47     0.70
     7- 8    902        0     0.70
Web  1- 6    175      553     0.05
     2- 6      0     1319     0.52
     2- 7    256      312     0.13
     3- 7    838       41     0.13
     4- 7    256      312     0.13
     4- 8      0     1319     0.52
     5- 8    175      553     0.05
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  6         0  1526    0    05-08 02-06    SPF
  8  16-00-00  1526    0    05-08 02-06    SPF
Max Horiz =   -241 /   +241 at Joint   6
```

Unfactored Reaction Summary

```
Jnt        Type        Snow     Live     Wind     Dead
 6    Pinned (Wall)     606      160     -108      364
 8    H Roll (Wall)     606      159     -108      364
```

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.
Lumber and plating have been applied symmetrically.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999(-0.12)  6- 7
Vert DL   L/360   L/999(-0.12)  6- 7
Vert TL   L/180   L/771(-0.23)  6- 7
Horz TL   1.00in       ( 0.02) @Jt 8
Ohng TL  OL/120  OL/567(-0.08)  1- 1
Ohng TL  OL/120  OL/564(-0.08)  5- 5
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

Plate Info

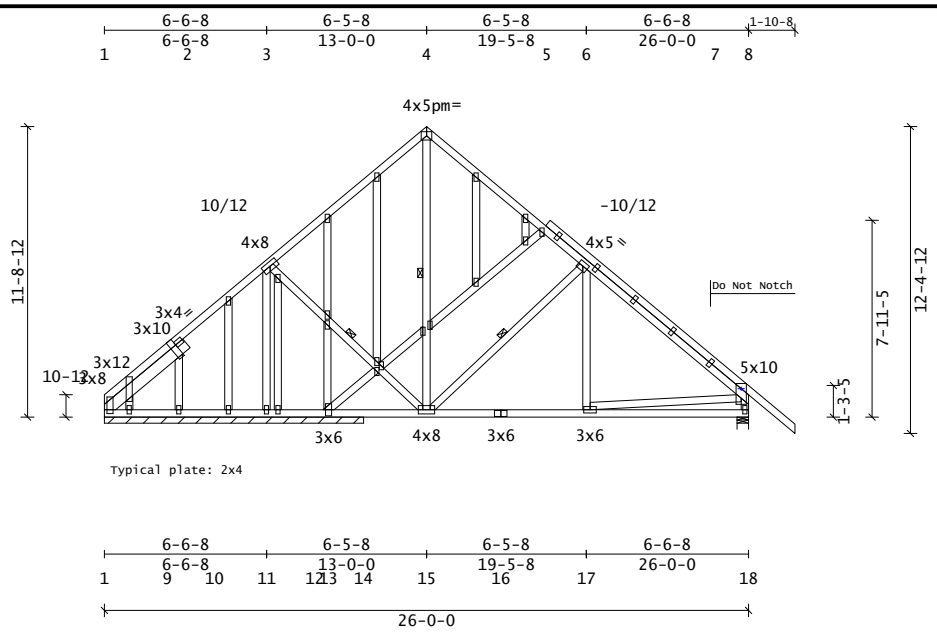
```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 - **Qty: 1** **Truss: T12**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Typical plate: 2x4

Truss Weight = 220.2 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)   Factor Kh applied: Yes
TCSL(S)  30.7  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

UTC	2x4	SPF	#2
LTC	2x4	SPF	#2
TC	2x4	SPF	#2
BC	2x4	SPF	#2
Webs	2x4	SPF	#2
Slider	2x6	SPF	#2
FC	2x4	SPF	#2

Member Forces Summary

Max CSI in TC PANEL 6 - 8 0.80
Max CSI in BC PANEL 16 - 17 0.52
Max CSI in Web 11 - 3 0.74

...Mem...		Ten	Comp	.CSI.
TC	1- 3	264	581	0.72
	3- 4	299	1079	0.73
	4- 6	294	1085	0.78
	6- 8	113	1850	0.80
	8-OH	170	0	0.36
BC	1- 9	427	345	0.11
	9-10	427	345	0.08
	10-11	427	345	0.06
	11-12	427	345	0.06
	12-14	427	345	0.12
	14-15	427	345	0.17
	15-16	1264	0	0.34
	16-17	1264	0	0.52
	17-18	0	0	0.27
Web	3-11	13	1589	0.74
	3-15	679	17	0.11
	4-15	428	239	0.17
	6-15	316	1026	0.39
	6-17	358	0	0.05
	8-17	1268	0	0.20
	8-18	111	1768	0.17

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
 18  26-00-00  1884   65    05-08 03-12    SPF
  1     04-00   660  155 10-05-08
 11   6-06-08  1689    0 10-05-08
Max Horiz =   -371 /   +339 at Joint   1
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 14          27    0 10-05-08  (reduced)
```

Unfactored Reaction Summary

Jnt	Type	Snow	Live	Wind	Dead
	Pinned (Wall)	981	338	-220	657
18	H Roll (Wall)	778	181	-143	427

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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".
Gable requires 7/16" OSB sheathing on front from 0-00-00 to 26-00-00; connection details to be provided by the Building Designer.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE.
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.
Attach stacked chords with 2x4 20 ga. plates, u.n.o.

Deflection Summary

Truss	Span	Limit	Actual(in)	Location
Vert LL		L/360	L/999(-0.07)	17-18
Vert DL		L/360	L/999(-0.07)	17-18
Vert TL		L/180	L/999(-0.13)	17-18
Horz TL		1.00in	(0.01)	@Jt18
Ohng TL		OL/120	OL/912(-0.05)	8- 8

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    3-15 15- 4 15- 6
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt8(0,-02-08)

Plate Info

Plate	Grip psi		Shear pli			Tens.Pli	
	AS	Max	Min	@0 @45	@90	@0	@90
20G	341	249	753	637	589	1144	1130

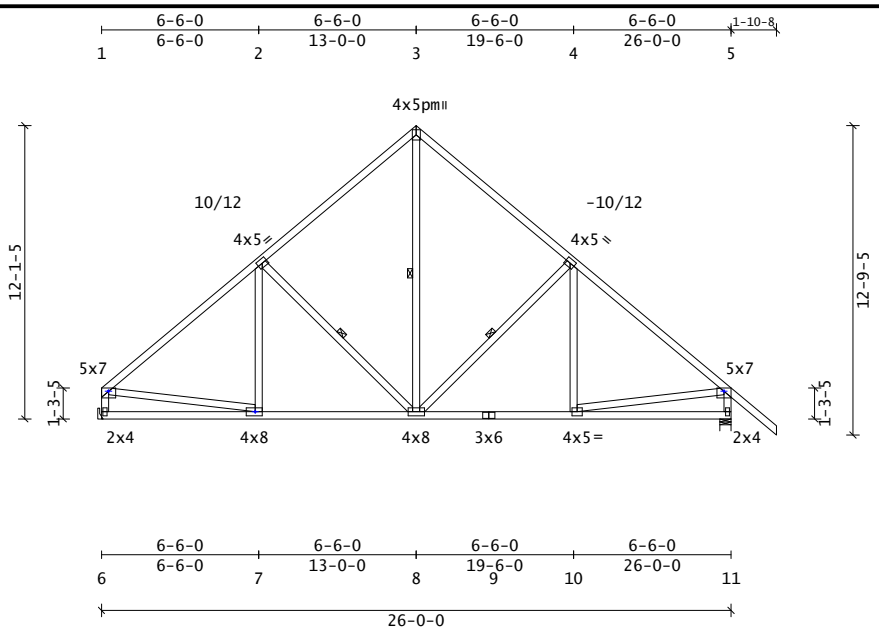
Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. = 5.0 Deg.
JSI Grip = (INPUT = 0.90)
JSI Metal = (INPUT = 1.00)

RB24003 - **Qty: 9** **Truss: T13**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 143.7 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)    Factor Kh applied: Yes
TCSL(S)   30.7  Dur Fac Kd = 1.00 (Snow)
TCLL       0.0          Kd = 1.00 (Live)
TCDL      10.0          Kd = 1.15 (Wind)
BCLL      10.0
BCDL      10.0
Spacing:  2-00-00 oc      Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =    4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL    1 -  2   0.87
Max CSI in BC PANEL    7 -  8   0.56
Max CSI in Web         2 -  8   0.38

...Mem...    Ten      Comp      .CSI.
TC    1- 2     10      2447      0.87
      2- 3    199      1830      0.85
      3- 4    199      1829      0.80
      4- 5     13      2445      0.78
      5-OH    170         0      0.36
BC    6- 7    366       336      0.26
      7- 8   1738         0      0.56
      8- 9   1732         0      0.47
      9-10   1732         0      0.55
     10-11      0         0      0.26
Web   1- 6     15      1988      0.20
      1- 7   1756         0      0.28
      2- 7    245        62      0.04
      2- 8    321       933      0.38
      3- 8   1377        80      0.22
      4- 8    319       893      0.36
      4-10    245        60      0.04
      5-10   1750         0      0.28
      5-11     38      2227      0.22
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  6         0  2105    0    01-08  HGR     SPF
 11  26-00-00  2344    0    05-08 04-11     SPF
Max Horiz =   -366 /   +336 at Joint   6
```

Unfactored Reaction Summary

```
Jnt        Type         Snow      Live      Wind      Dead
 6    Pinned(Hanger)     798       260      -177       518
11    H Roll (Wall)      917       260      -174       566
```

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999(-0.08)  6- 7
Vert DL   L/360   L/999(-0.07)  6- 7
Vert TL   L/180   L/999(-0.15)  6- 7
Horz TL   1.00in       ( 0.02) @Jt11
Ohng TL  OL/120  OL/211( 0.21)  5- 5
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    2- 8  8- 3  8- 4
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(0,-00-14), Jnt5(0,-00-14),
Jnt7(-00-08,0)

Plate Info

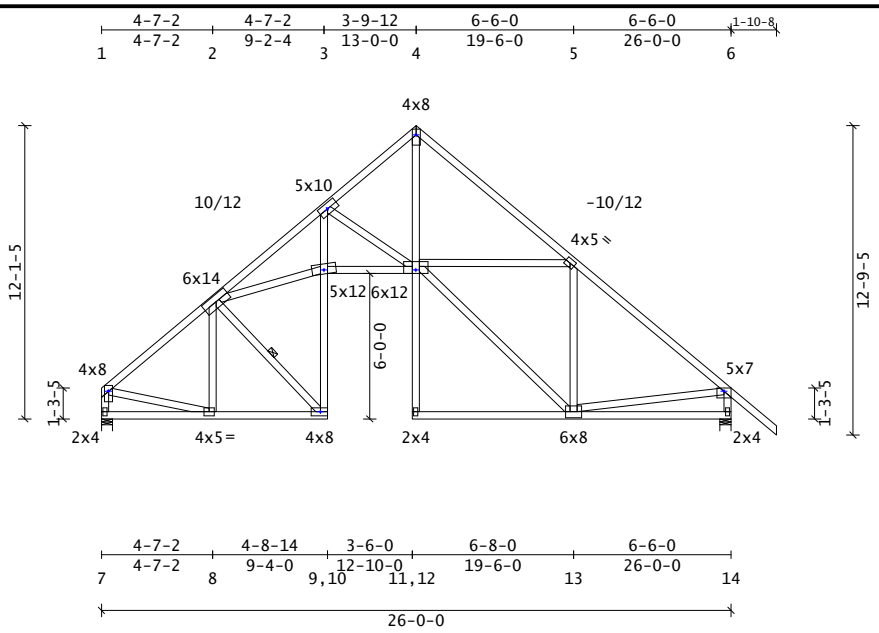
```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 - **Qty: 5** **Truss: T14**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 182.5 lb

Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf) Factor Kh applied: Yes
TCSL(S) 30.7 Dur Fac Kd = 1.00 (Snow)
TCLL 0.0 Kd = 1.00 (Live)
TCDL 10.0 Kd = 1.15 (Wind)
BCLL 10.0
BCDL 10.0
Spacing: 2-00-00 oc Plies: 1

----------Snow Load Specs----------
Ground Snow Ss = 43.9 psf
Rain Load Sr = 4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca = 1.25 Case II

----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes

-------Additional Design Checks------
2000 lb TC Safe Load: No
Unbalanced Snow Loads: Yes

Material Summary

TC	2x4	SPF	1650/1.5
BC	2x4	SPF	#2
Webs	2x4	SPF	#2

Member Forces Summary

Max CSI in TC PANEL 4 - 5 0.74
Max CSI in BC PANEL 10 - 11 0.89
Max CSI in Web 2 - 10 0.80

...Mem...		Ten	Comp	.CSI.
TC	1- 2	0	2402	0.30
	2- 3	0	6465	0.55
	3- 4	0	3252	0.23
	4- 5	0	3370	0.74
	5- 6	9	2452	0.62
	6-OH	170	0	0.30
BC	7- 8	366	336	0.14
	8- 9	1739	23	0.40
	10-11	4856	0	0.89
	12-13	4	0	0.38
	13-14	0	0	0.29
Web	1- 7	0	2021	0.20
	1- 8	1775	0	0.28
	2- 8	148	175	0.04
	2- 9	34	2484	0.53
	2-10	4973	0	0.80
	3-10	3246	0	0.65
	3-11	114	3008	0.73
	4-11	3457	0	0.59
	5-11	716	65	0.11
	5-13	94	1484	0.80
	6-13	1755	0	0.28
	6-14	35	2233	0.22
	9-10	1872	0	0.43
	11-12	136	0	0.05
	11-13	2354	0	0.38

Maximum Factored Reaction Summary

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

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat
7	0	2105	0	05-08	04-03	SPF
14	26-00-00	2344	0	05-08	04-11	SPF

Max Horiz = -366 / +336 at Joint 7

Unfactored Reaction Summary

Jnt	Type	Snow	Live	Wind	Dead
7	Pinned (Wall)	798	259	-177	518
14	H Roll (Wall)	917	260	-174	566

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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.
Vertical Step - Ensure adequate drift loads are applied

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/360	L/999(-0.26)	9-10
Vert DL	L/360	L/999(-0.17)	12-13
Vert TL	L/180	L/706(-0.43)	9-10
Horz TL	1.00in	(0.49)	@Jt14
Ohng TL	OL/120	OL/186(0.24)	6- 6

Bracing Data Summary

----------Bracing Data----------
Chords; continuous except where shown
------- Web Bracing -- CLR ----------
Single: 2- 9

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(0,-01-02), Jnt3(00-05,00-05), Jnt4(0,-01-02), Jnt6(0,-00-14), Jnt9(-00-08,0), Jnt10(0,00-08), Jnt11(0,01-04)

Plate Info

Plate	Grip psi		Shear pli			Tens.Pli	
AS	Max	Min	@0	@45	@90	@0	@90
20G	341	249	753	637	589	1144	1130

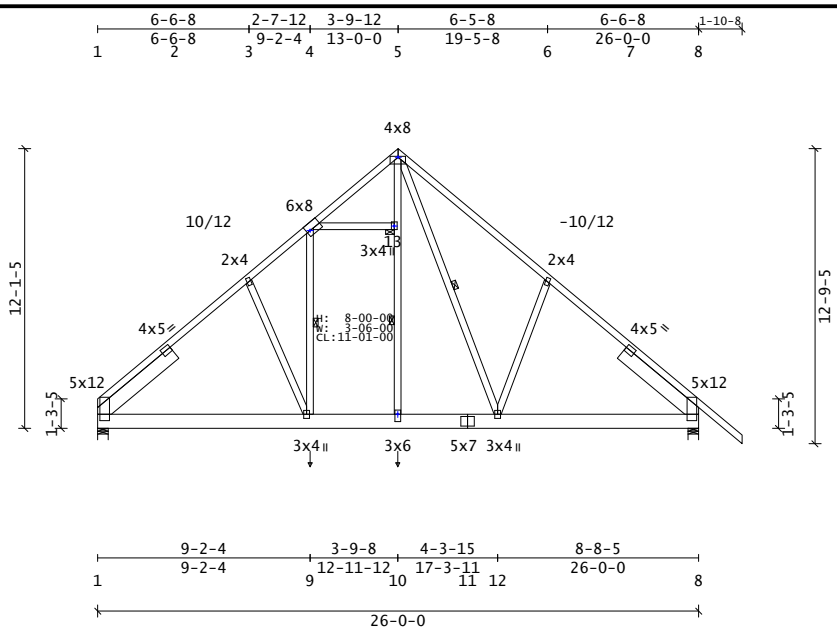
Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. = 5.0 Deg.
JSI Grip = (INPUT = 0.90)
JSI Metal = (INPUT = 1.00)

RB24003 - **Qty: 2** **Truss: T15**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 2

Truss Mfr. Contact:



Truss Weight = 190.5 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)   Factor Kh applied: Yes
TCSL(S)  30.7  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
Attic Floor:
 LL = 40.0 psf, DL = 10.0 psf
Attic Wall: DL =  5.0 psf
Attic Ceiling: DL =  5.0 psf
```

Material Summary

TC	2x4	SPF	#2
	2x4	SPF	1650/1.5 5-8
BC	2x8	SPF	1950/1.7
	2x8	SPF	#2 11-8
Webs	2x4	SPF	#2
Slider	2x8	SPF	#2
TB	2x4	SPF	#2

Member Forces Summary

Max CSI in TC PANEL	5 - 6	0.80
Max CSI in BC PANEL	9 - 10	0.56
Max CSI in Web	10 - 13	0.62

...Mem...		Ten	Comp	.CSI.
TC	1- 2	0	1661	0.16
	2- 3	0	2510	0.44
	3- 4	0	2359	0.43
	4- 5	12	2203	0.51
	5- 6	73	2567	0.80
	6- 7	0	2632	0.60
	7- 8	0	1625	0.22
	8-OH	170	0	0.30
BC	1- 9	1848	0	0.47
	8-12	1952	0	0.40
	9-10	1681	0	0.56
	10-11	1655	0	0.56
	11-12	1655	0	0.35
Web	1- 2	119	1060	0.11
	3- 9	290	530	0.30
	4- 9	149	326	0.11
	4-13	16	95	0.05
	5-12	657	437	0.37
	5-13	2113	78	0.62
	6-12	400	700	0.38
	7- 8	37	1323	0.14
	10-13	2090	167	0.62

Maximum Factored Reaction Summary

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

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat
1	0	2476	0	05-08	03-08	SPF
8	26-00-00	2620	0	05-08	03-11	SPF

Max Horiz = -384 / +338 at Joint 1

Unfactored Reaction Summary

Jnt	Type	Snow	Live	Wind	Dead
1	Pinned (Wall)	798	434	-174	675
8	H Roll (Wall)	917	389	-171	683

Loads Summary

Attic space centred at 11-01-00 is loaded with 40.0 psf Live & 10.0 psf Dead Floor, 5.0 psf Dead Wall, 5.0 psf Dead Ceiling loads, and meets deflection criteria L/360.

See Loadcase Report for load combinations and additional details.
Unfactored Concentrated Loads (Max/Min)

Mbr	Dead	Snow	Live	Wind	Location	Dir	Desc
Web	80/80	0/0	0/0	0/0	9-02-04	Vert	SidewallDL
Web	80/80	0/0	0/0	0/0	12-11-12	Vert	SidewallDL

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
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.
Partial reinforcing member does not meet TPIC Clause B.1(5). Full reinforcing member required

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/360	L/999(-0.24)	1- 9
Vert DL	L/360	L/999(-0.17)	1- 9
Vert TL	L/180	L/732(-0.41)	1- 9
Horz TL	1.00in	(0.08)	@Jt 1
Ohng TL	OL/120	OL/436(-0.10)	8- 8

Bracing Data Summary

----------Bracing Data----------
Chords; continuous except where shown
Attic tie beam (TB) & walls; bracing indicated or rigid sheathing.

----------Purlins----------

	---oc---	--From--	---To---	#Bays
WB3	4-01-00	07-04	8-08-01	2
WB4	5-07-00	07-04	11-07-01	2

------- Web Bracing -- CLR ----------
Single: 9- 4 10-13 5-12
Single: Joint 13

Plate offsets (X, Y):

(None unless indicated below)
Jnt4(01-07,01-13), Jnt5(-00-04,-01-07), Jnt10(0,-00-12), Jnt13(0,00-04)

Plate Info

Plate	Grip psi		Shear pli		Tens.Pli		
	AS	Max	Min	@0 @45	@90	@0	@90
20G	341	249	753	637	589	1144	1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. = 5.0 Deg.

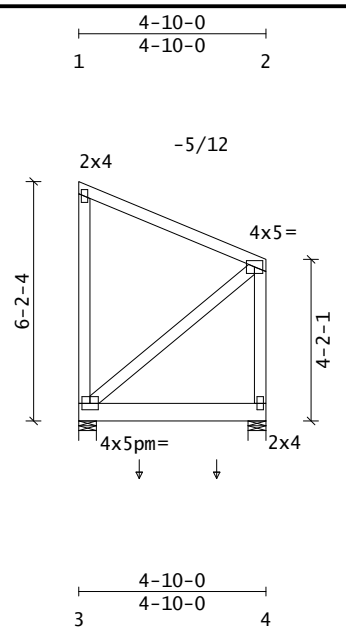
```
Plate  Grip psi   Shear pli    Tens.Pli
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 -	Qty: 1	Truss: TG1

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 33.2 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)   Factor Kh applied: No
TCSL(S)  39.3  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x6   SPF  1650/1.5
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.62
Max CSI in BC PANEL   3 -  4   0.87
Max CSI in Web        3 -  1   0.21

...Mem...    Ten     Comp     .CSI.
TC   1- 2    132      132     0.62
BC   3- 4     62       19     0.87
Web  1- 3     77      345     0.21
     2- 3    210       47     0.03
     2- 4     96      345     0.09
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  3         0  1470  160    05-08 02-04    SPF
  4   4-10-00  1601   50    05-08 03-03    SPF
Max Horiz =   -252 /   +146 at Joint   3
```

Unfactored Reaction Summary

```
Jnt        Type        Snow     Live     Wind     Dead
 3    Pinned (Wall)     525      284     -105      403
 4    H Roll (Wall)     568      314      -37      443
```

Loads Summary

See Loadcase Report for load combinations and additional details.
Unfactored Concentrated Loads (Max/Min)

```
Mbr         Dead         Snow         Live         Wind Location  Dir Desc
 Transfer loads:
 BC      327/327      358/105      137/137    -82/-208  1-06-12 Vert    T5
 BC      327/327      358/105      137/137    -82/-208  3-06-12 Vert    T5
```

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/594(-0.09)  3- 4
Vert DL   L/360   L/662(-0.08)  3- 4
Vert TL   L/180   L/313(-0.17)  3- 4
Horz TL   1.00in       ( 0.00) @Jt 4
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

Plate Info

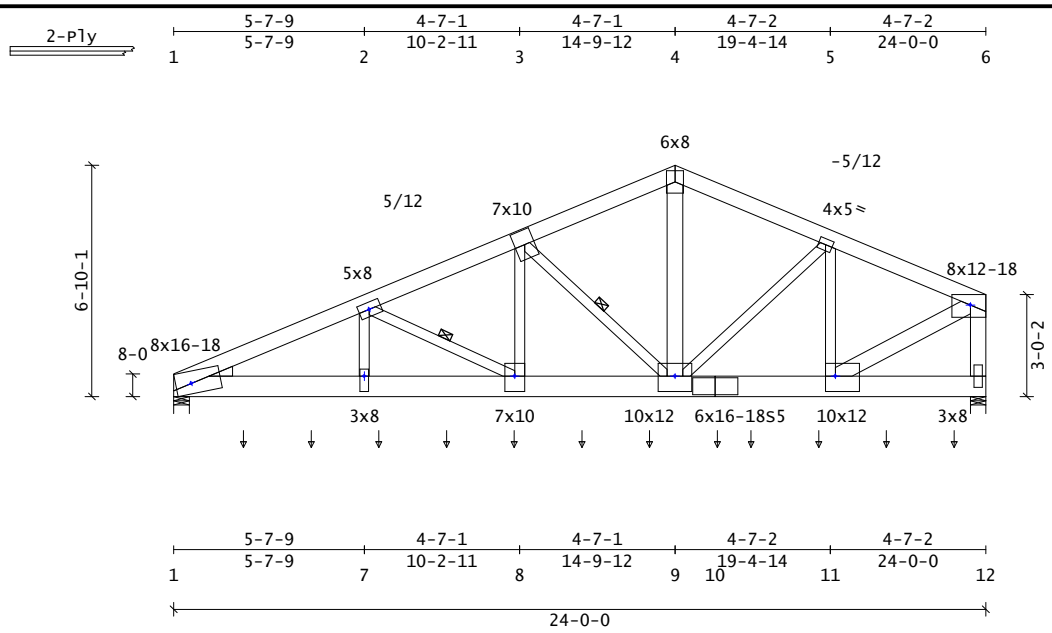
```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 - **Qty: 1** **Truss: TG2**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 2

Truss Mfr. Contact:



Truss Weight = 439.6 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)   Factor Kh applied: No
TCSL(S)  39.3  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  1-00-00 oc     Plies: 2
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x6   SPF  1650/1.5
        2x6   SPF  #2  4-6
BC      2x8   SPF  1950/1.7
Webs    2x4   SPF  #2
        2x6   SPF  #2  9-4 11-6 12-6
Wedge   2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL    1 -  2   0.64
Max CSI in BC PANEL    1 -  7   0.96
Max CSI in Web        11 -  6   0.94

...Mem...    Ten      Comp      .CSI.
TC    1- 2     530     26524     0.64
      2- 3     315     20876     0.41
      3- 4      72     14614     0.36
      4- 5      96     14605     0.53
      5- 6       0     13924     0.51
BC    1- 7   24429       502     0.96
      7- 8   24429       502     0.83
      8- 9   19249       255     0.74
      9-10   12786         0     0.59
     10-11   12786         0     0.53
     11-12      17         5     0.28
Web   2- 7    5489       140     0.48
      2- 8     279      6913     0.55
      3- 8    8907       273     0.78
      3- 9     379      9485     0.93
      4- 9   10839        54     0.70
      5- 9    2833      1648     0.37
      5-11    1284      2791     0.31
      6-11   14505         0     0.94
      6-12       0     12363     0.50
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  1         0 13236  283    05-08 07-03**  SPF
 12  24-00-00 14519   50    05-08 11-13**  SPF
Max Horiz =    -23 /    +60 at Joint   1
(**) indicates Reqd Width > actual Width; enhancement may be required.
Building Designer to provide adequate bearing size or enhancement.
```

Unfactored Reaction Summary

Jnt	Type	Snow	Live	Wind	Dead
1	Pinned (Wall)	5136	3005	-1146	3158
12	H Roll (Wall)	5549	3378	-1281	3537

Loads Summary

See Loadcase Report for load combinations and additional details.
Unfactored Concentrated Loads (Max/Min)

Mbr	Dead	Snow	Live	Wind	Location	Dir	Desc
Transfer loads:							
BC	518/518	798/238	260/260	-177/-386	2-00-12	Vert	T13
BC	518/518	798/238	260/260	-177/-386	4-00-12	Vert	T13
BC	518/518	798/238	260/260	-177/-386	6-00-12	Vert	T13
BC	518/518	798/238	260/260	-177/-386	8-00-12	Vert	T13
BC	518/518	798/238	260/260	-177/-386	10-00-12	Vert	T13
BC	518/518	798/238	260/260	-177/-386	12-00-12	Vert	T13
BC	518/518	798/238	260/260	-177/-386	14-00-12	Vert	T13
BC	518/518	798/238	260/260	-177/-386	16-00-12	Vert	T13
BC	518/518	798/238	260/260	-177/-386	17-00-12	Vert	T13
BC	518/518	798/238	260/260	-177/-386	19-00-12	Vert	T14
BC	518/518	798/238	260/260	-177/-386	21-00-12	Vert	T14
BC	518/518	798/238	260/260	-177/-386	23-00-12	Vert	T14

2-PLY TRUSS Fastener Spacing
Fasten each ply to the adjacent ply as follows(rows staggered):
TC 2x6, 2-row(s) of 3 1/4" Gun Nails @ 12.0" o.c.
BC 2x8, 2-row(s) of 3 1/4" Gun Nails @ 12.0" o.c.**
WB 2x4, 1-row(s) of 3 1/4" Gun Nails @ 9.0" o.c.
WB 2x6, 2-row(s) of 3 1/4" Gun Nails @ 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:2-00-12, 6, BC:4-00-12, 6, BC:6-00-12, 6
BC:8-00-12, 6, BC:10-00-12, 6, BC:12-00-12, 6
BC:14-00-12, 6, BC:16-06-12, 15, BC:19-00-12, 6
BC:21-00-12, 6, BC:23-00-12, 6
Refer to TD-FRM-0005 for cluster fastening spacing limits.

Notes

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/360   L/999(-0.23)  7- 8
Vert DL   L/360   L/999(-0.14)  7- 8
Vert TL   L/180   L/762(-0.36)  7- 8
Horz TL   1.00in       ( 0.08) @Jt12
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    2- 8  3- 9
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt2(00-03,00-01), Jnt6(-00-08,-00-05), Jnt7(0,-01-08), Jnt8(0,-00-08), Jnt9(0,-00-08), Jnt11(02-08,-00-08), Jnt1(02-06,00-14)

Plate Info

Plate	Grip psi		Shear pli		Tens.Pli	
	AS	Max	Min	@0 @45	@90	@0 @90
20G	341	249	753	637	589	1144 1130
HS18G	344	220	1103	890	979	1829 1808
S518G	203	123	1103	890	979	2466 1809

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. = 5.0 Deg.
JSI Grip = (INPUT = 0.90)
JSI Metal = (INPUT = 1.00)

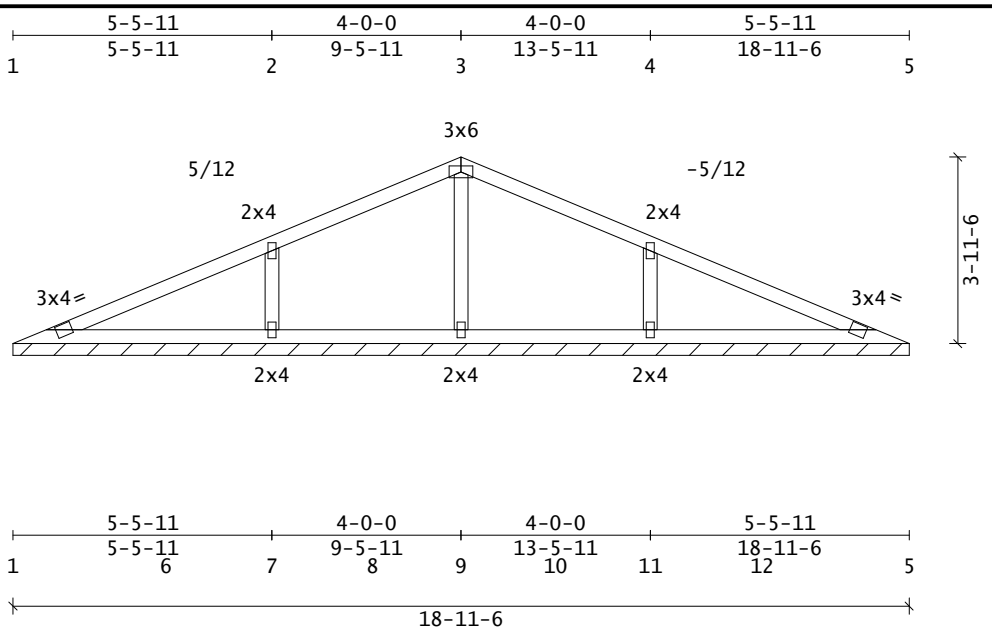
Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE.
Bearing @ 02-12 exceeds wall width. Bearing enhancement may be required.
Bearing @ 23-09-04 exceeds wall width. Bearing enhancement may be required.

RB24003 - **Qty: 1** **Truss: V1**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 52.4 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)   Factor Kh applied: Yes
TCSL(S)  39.3  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.46
Max CSI in BC PANEL   1 -  6   0.05
Max CSI in Web        7 -  2   0.09
```

...Mem...		Ten	Comp	.CSI.
TC	1- 2	112	178	0.46
	2- 3	150	206	0.34
	3- 4	150	206	0.34
	4- 5	112	178	0.46
BC	1- 6	80	8	0.05
	5-12	80	8	0.05
	6- 7	80	8	0.04
	7- 8	80	8	0.03
	8- 9	80	8	0.03
	9-10	80	8	0.03
	10-11	80	8	0.03
	11-12	80	8	0.04
Web	2- 7	196	828	0.09
	3- 9	0	380	0.06
	4-11	196	828	0.09

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  1   1-02-10   601   36 18-11-06
  7   5-07-03   923  153 18-11-06
  9   9-07-03   471    0 18-11-06
 11  13-07-03   923  153 18-11-06
  5  17-11-12   601   36 18-11-06
Max Horiz =    -61 /    +61 at Joint   9
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 5          20    0 18-11-06  (reduced)
```

Unfactored Reaction Summary

Jnt	Type	Snow	Live	Wind	Dead
	Pinned (Wall)	1490	378	-507	757

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Valley Truss application only.
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/360   L/999(-0.00)  1- 6
Vert DL   L/360   L/999(-0.00) 11-12
Vert TL   L/180   L/999(-0.00)  1- 6
Horz TL   1.00in       ( 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)

Plate Info

Plate	Grip psi		Shear pli			Tens.Pli	
	AS	Min	@0	@45	@90	@0	@90
20G	341	249	753	637	589	1144	1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. = 5.0 Deg.
JSI Grip = (INPUT = 0.90)
JSI Metal = (INPUT = 1.00)

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

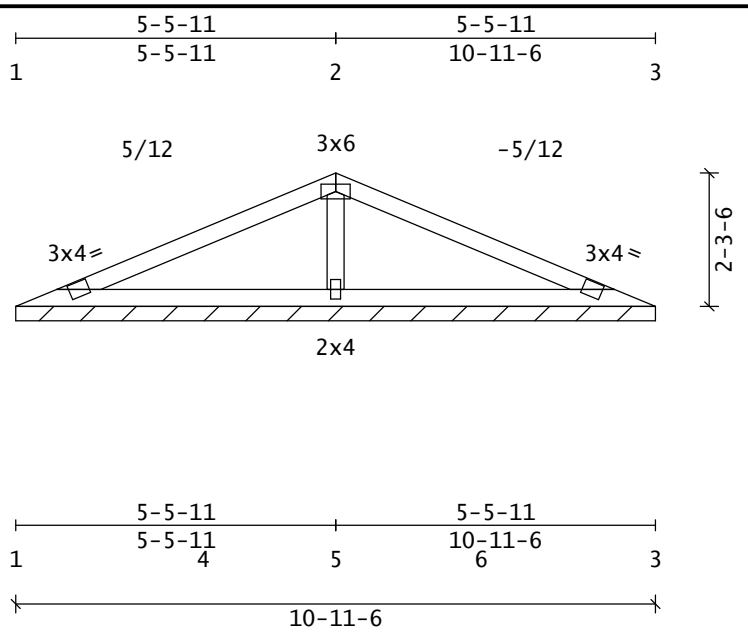
EngDrwg: 2021r5RGT

RB24003 - **Qty: 1** **Truss: V2**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 26.8 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)   Factor Kh applied: Yes
TCSL(S)  39.3  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.37
Max CSI in BC PANEL   1 -  4   0.16
Max CSI in Web        5 -  2   0.04

...Mem...    Ten     Comp     .CSI.
TC   1- 2    123      353     0.37
     2- 3    123      353     0.37
BC   1- 4    197       52     0.16
     3- 6    197       52     0.16
     4- 5    197       52     0.08
     5- 6    197       52     0.08
Web  2- 5      8      362     0.04
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  1   1-02-10   691   69 10-11-06
  5   5-07-03   453    0 10-11-06
  3   9-11-12   691   69 10-11-06
Max Horiz =    -35 /    +35 at Joint   5
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 3          20    0 10-11-06  (reduced)
```

Unfactored Reaction Summary

```
Jnt        Type        Snow     Live     Wind     Dead
      Pinned (Wall)     860      218     -292      437
```

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Valley Truss application only.
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/360   L/999(-0.00)  6- 3
Vert DL   L/360   L/999(-0.00)  6- 3
Vert TL   L/180   L/999(-0.00)  6- 3
Horz TL   1.00in       ( 0.01) @Jt 3
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

Plate Info

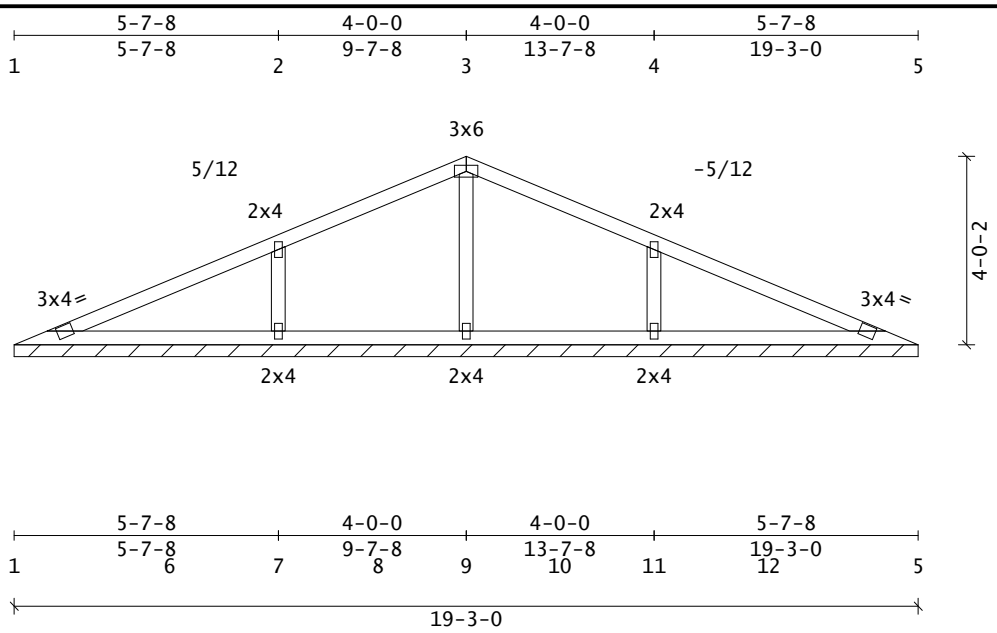
```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```

RB24003 - **Qty: 1** **Truss: V3**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 53.2 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)   Factor Kh applied: Yes
TCSL(S)  39.3  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL      8.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.48
Max CSI in BC PANEL   1 -  6   0.07
Max CSI in Web        7 -  2   0.09

...Mem...    Ten     Comp     .CSI.
TC   1- 2     108      195     0.48
     2- 3     152      219     0.35
     3- 4     152      219     0.35
     4- 5     108      195     0.48
BC   1- 6      90        8     0.07
     5-12      90        8     0.07
     6- 7      90        8     0.05
     7- 8      90        8     0.03
     8- 9      90        8     0.03
     9-10      90        8     0.03
    10-11      90        8     0.03
    11-12      90        8     0.05
Web  2- 7     199      842     0.09
     3- 9       0      365     0.06
     4-11    199      842     0.09
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  1   1-02-10   603   45 19-03-00
  7   5-09-00   927  164 19-03-00
  9   9-09-00   446    0 19-03-00
 11  13-09-00   927  164 19-03-00
  5  18-03-06   603   45 19-03-00
Max Horiz =    -62 /    +62 at Joint   9
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 5          18    0 19-03-00  (reduced)
```

Unfactored Reaction Summary

```
Jnt         Type        Snow     Live     Wind     Dead
      Pinned (Wall)     1513      384     -516      693
```

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Valley Truss application only.
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/360   L/999(-0.00)  1- 6
Vert DL   L/360   L/999(-0.00) 11-12
Vert TL   L/180   L/999(-0.00)  1- 6
Horz TL   1.00in       ( 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)

Plate Info

```
Plate  Grip psi   Shear pli     Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```


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

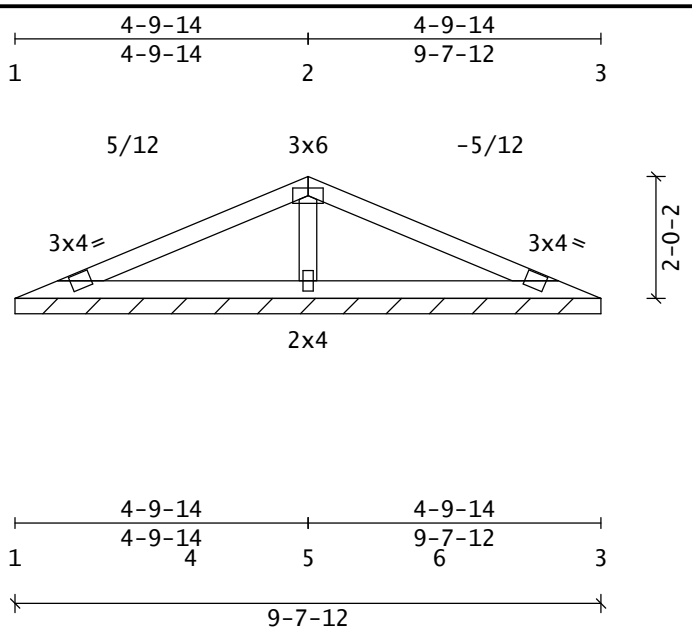
EngDrwg: 2021r5RGT

RB24003 - **Qty: 1** **Truss: V4**

Customer: GREEN-R-PANEL

SID:
TID: RB24003
Date: 04 / 02 / 25
Page: 1 of 1

Truss Mfr. Contact:



Truss Weight = 23.6 lb

```
Building Code: NBCC2015/TPIC2014
Building Category: Part4 - Gyp ceiling
Importance Category: Normal
Loading(psf)   Factor Kh applied: Yes
TCSL(S)  39.3  Dur Fac Kd = 1.00 (Snow)
TCLL      0.0          Kd = 1.00 (Live)
TCDL     10.0          Kd = 1.15 (Wind)
BCLL     10.0
BCDL     10.0
Spacing:  2-00-00 oc     Plies: 1
```

```
----------Snow Load Specs----------
Ground Snow Ss =  43.9 psf
Rain Load Sr =   4.2 psf
Importance Factor Is = 1.00
Basic roof snow load factor Cb = 0.80
Wind exposure Cw = 1.00
Slope factor Cs = From Geometry
Slippery roof factor = No
Accumulation factor Ca = 1.0 Case I, Ca
= 1.25 Case II
```

```
----------Wind Load Specs----------
Design Method = MWFRS
Input pressure = 10.2 psf
Exposure Category = Open
Building Category = Category 2
End Zone = No
Apply to left end vertical = Yes
Apply to right end vertical = Yes
```

```
-------Additional Design Checks------
2000 lb TC Safe Load:              No
Unbalanced Snow Loads:             Yes
```

Material Summary

```
TC      2x4   SPF  #2
BC      2x4   SPF  #2
Webs    2x4   SPF  #2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.26
Max CSI in BC PANEL   1 -  4   0.07
Max CSI in Web        5 -  2   0.03

...Mem...    Ten     Comp     .CSI.
TC   1- 2    100      239     0.26
     2- 3    100      239     0.26
BC   1- 4    111       37     0.07
     3- 6    111       37     0.07
     4- 5    111       37     0.04
     5- 6    111       37     0.04
Web  2- 5     11      353     0.03
```

Maximum Factored Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat
  1   1-02-10   625   64  9-07-12
  5   4-11-06   440    0  9-07-12
  3   8-08-02   625   64  9-07-12
Max Horiz =    -31 /    +31 at Joint   5
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 3          20    0  9-07-12  (reduced)
```

Unfactored Reaction Summary

```
Jnt         Type         Snow     Live     Wind     Dead
      Pinned (Wall)      758      192     -257      385
```

Loads Summary

See Loadcase Report for load combinations and additional details.

Notes

Designed as per NBCC2015/TPIC2014 and applicable provincial codes ABC2019, BCBC2018, MBC2018, and OBC2012(Jan 2020 update).
Valley Truss application only.
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/360   L/999(-0.00)  1- 4
Vert DL   L/360   L/999(-0.00)  5- 6
Vert TL   L/180   L/999(-0.00)  1- 4
Horz TL   1.00in       ( 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)

Plate Info

```
Plate  Grip psi   Shear pli    Tens.Pli
 AS    Max  Min   @0  @45  @90   @0  @90
20G    341  249  753  637  589 1144 1130

Plate Placement Tol. = 0.250 inches
Plate Rotation Tol. =   5.0 Deg.
JSI Grip = (INPUT =  0.90)
JSI Metal = (INPUT =  1.00)
```