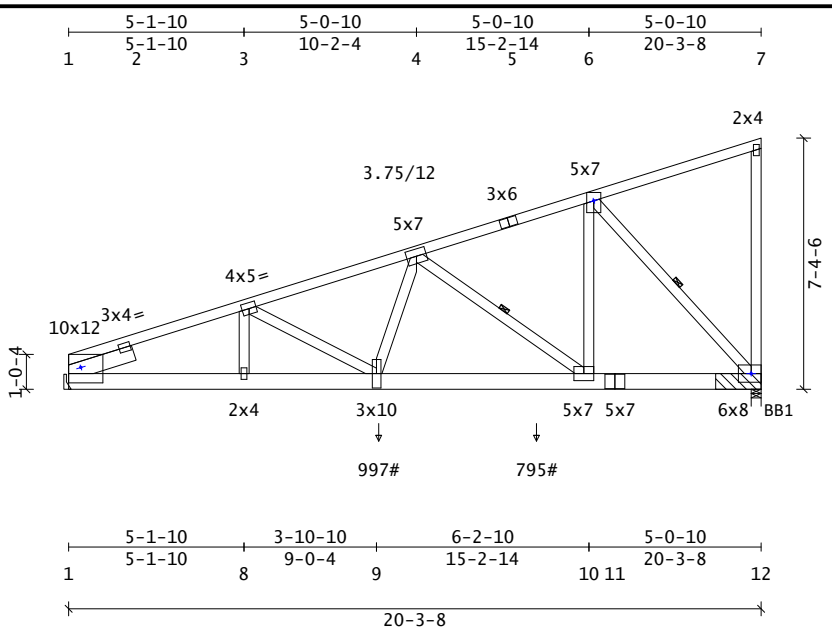
RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: AT1**

Customer: GREEN-R-PANEL

SID: 0003962953
TID: 299093
Date: 12 / 12 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 133.6 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase:  No
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  2100/1.8
        2x4   SPF  1650/1.5  5-7
BC      2x6   SPF  2400/2.0
        2x6   SPF  #1/#2 11-12
Webs    2x4   SPF  #1/#2
Slider  2x6   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   5 -  6   0.91
Max CSI in BC PANEL   1 -  8   0.94
Max CSI in Web        6 - 12   0.94

...Mem...    Ten      Comp      .CSI.
TC     1- 2      459     4947     0.81
       2- 3      508     5225     0.78
       3- 4      628     5447     0.88
       4- 5      364     2693     0.67
       5- 6      375     2541     0.91
       6- 7      107      162     0.87
       7-OH        0        8     0.00
BC     1- 8     4868      484     0.94
       8- 9     4868      484     0.80
       9-10     4649      504     0.61
      10-11     2438      308     0.28
      11-12     2438      308     0.65
      12-OH        0        0     0.00
Web    1- 2       33      331     0.39
       3- 8      151      816     0.12
       3- 9      252      164     0.06
       4- 9     1550      163     0.38
       4-10      318     2760     0.59
       6-10     2423      345     0.59
       6-12      506     3627     0.94
       7-12       43      387     0.48
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  1     00-12  2888  244    01-08  HGR     SPF  615
 12  20-01-12  3083  352    03-08 04-13**  SPF  531
Max Horiz =    -68 /   +276 at Joint   1
(**) indicates Reqd Width > actual Width; enhancement may be required.
```

Solid blocking required; both sides of truss at Joint(s): 1

Attach bearing block BB1, 2x6x16" SPF #2 (or better), to one face of the bottom chord w/ 3 staggered rows of 10d nails (0.128" x 3.0") @ 3" o.c. Stagger rows by 1/2 the nail spacing. Install a minimum of (10) nails.

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 20-03-08 are based on 1.00 full and 0.00 reduced load factors.

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

```
 Mbr       Max    Min  Location   Dir   Description
 Transfer loads:
  BC       997   -145   9-01-00   Vert  AT3 @ 90 Deg
  BC       795   -274  13-08-08   Vert  AT4 @ 90 Deg
```

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE. Alternatively, see D-WEBREINFORCE.

Deflection Summary

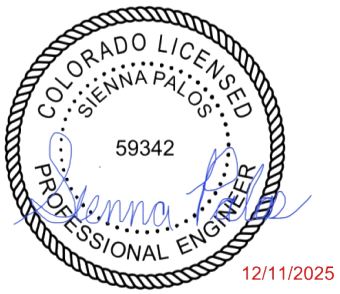
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/806(-0.30)  8- 9
Vert DL   L/120   L/999(-0.09)  8- 9
Vert CR   L/180   L/624(-0.39)  8- 9
Horz LL   0.75in       ( 0.05) @Jt12
Horz CR   1.25in       ( 0.07) @Jt12
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    4-10  6-12
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt6(0,-00-10), Jnt12(-00-08,0),
Jnt1(01-11,-00-07)



12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

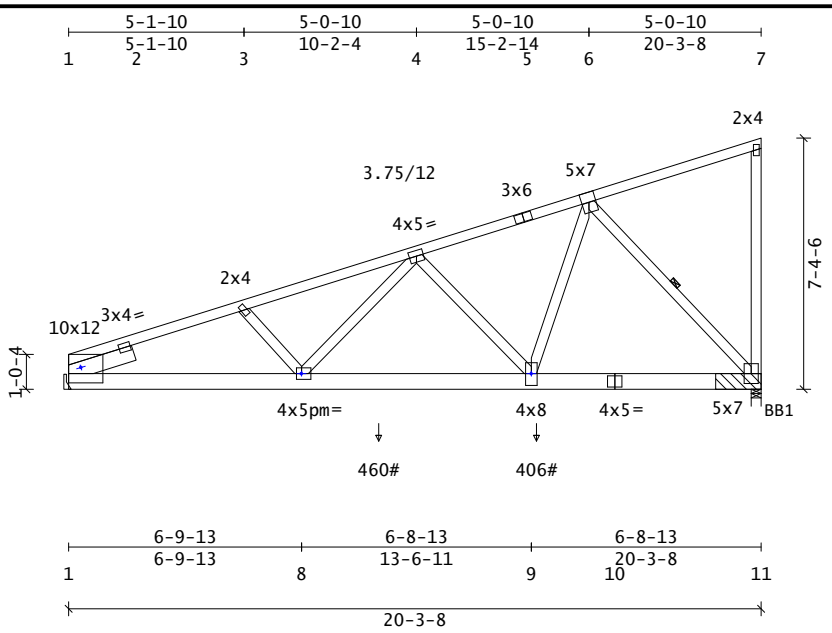
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: AT2**

Customer: GREEN-R-PANEL

SID: 0003962954
TID: 299093
Date: 12 / 12 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 119.3 lb

Code/Design: IBC-2021/TPI-2014
PSF Live Dead Dur Factors
TC 80.0 13.0 Live Wind Snow
BC 0.0 10.0 Lum 1.25 1.60 1.15
Total 103.0 Plt 1.25 1.60 1.15
Spacing: 2-00-00 o.c. Plies: 1
Repetitive Member Increase: No
Green Lumber: No Wet Service: No
Fab Tolerance: 20% Creep (Kcr) = 2.0
OH Soffit Load: 2.0 psf

----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin): No
Unbalanced Snow Loads: Yes
Rain Surcharge: No Ice Dam Chk: No

----------Wind Load Specs----------
ASCE7-16 Wind Speed(V) = 115 mph
Risk Cat: II Exposure Cat: C
Bldg Dims: L = 60.0 ft B = 40.0 ft
M.R.H(h)= 40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 7.8 BC = 6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00

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

Material Summary

TC	2x4	SPF	2100/1.8
	2x4	SPF	1650/1.5 5-7
BC	2x6	SPF	1950/1.7
	2x6	SPF	#1/#2 10-11
Webs	2x4	SPF	#1/#2
Slider	2x6	SPF	#1/#2

Member Forces Summary

Max CSI in TC PANEL 1 - 2 0.90
Max CSI in BC PANEL 1 - 8 0.98
Max CSI in Web 6 - 11 0.76

...Mem...	Ten	Comp	.CSI.
TC 1- 2	473	4371	0.90
2- 3	537	4692	0.82
3- 4	533	4299	0.80
4- 5	440	2823	0.63
5- 6	449	2649	0.76
6- 7	109	163	0.75
7-OH	0	8	0.00
BC 1- 8	4346	508	0.98
8- 9	3544	432	0.86
9-10	1972	275	0.34
10-11	1972	275	0.43
11-OH	0	0	0.00
Web 1- 2	48	375	0.45
3- 8	152	621	0.11
4- 8	684	44	0.16
4- 9	168	1472	0.68
6- 9	2024	346	0.49
6-11	457	2915	0.76
7-11	43	394	0.48

Reaction Summary

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

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
1	00-12	2464	226	01-08	HGR	SPF	425
11	20-01-12	2581	321	03-08	04-01**	SPF	531

Max Horiz = -68 / +276 at Joint 1
(**) indicates Reqd Width > actual Width; enhancement may be required.

Solid blocking required; both sides of truss at Joint(s): 1
Attach bearing block BB1, 2x6x16" SPF #2 (or better), to one face of the bottom chord w/ 2 staggered rows of 10d nails (0.128" x 3.0") @ 3" o.c. Stagger rows by 1/2 the nail spacing. Install a minimum of (4) nails.

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 20-03-08 are based on 1.00 full and 0.00 reduced load factors.
See Loadcase Report for load combinations and additional details.
Loads based on maximum and minimum reactions from tie-in spans

Mbr	Max	Min	Location	Dir	Description
Transfer loads:					
BC	460	-136	9-01-00	Vert	AT3 @ -90 Deg
BC	406	-234	13-08-08	Vert	AT4 @ -90 Deg

Notes

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

Deflection Summary

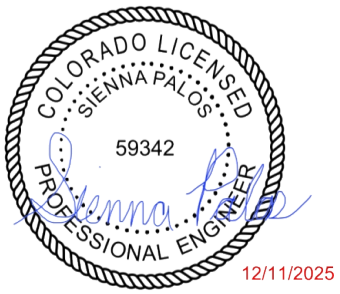
TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/652(-0.37)	8- 9
Vert DL	L/120	L/999(-0.11)	8- 9
Vert CR	L/180	L/504(-0.48)	8- 9
Horz LL	0.75in	(0.06)	@Jt 1
Horz CR	1.25in	(0.07)	@Jt 1

Bracing Data Summary

----------Bracing Data----------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single: 6-11
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0

Plate offsets (X, Y):

(None unless indicated below)
Jnt8(00-12,0), Jnt9(0,-00-03),
Jnt1(01-11,-00-07)



12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

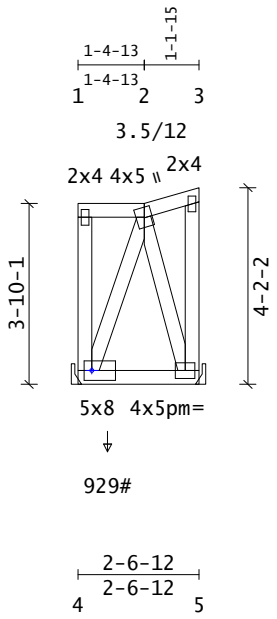
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: AT3**

Customer: GREEN-R-PANEL

SID: 0003962955
TID: 299093
Date: 12 / 12 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 27.1 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase:  No
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.05
Max CSI in BC PANEL   4 -  5   0.80
Max CSI in Web        5 -  3   0.19

...Mem...    Ten      Comp      .CSI.
TC   OH- 1     0         0      0.00
       1- 2    0        29      0.05
       2- 3   47        41      0.03
       3-OH    0         7      0.00
BC   OH- 4     0         0      0.00
       4- 5   66        67      0.80
       5-OH    0         0      0.00
Web    1- 4   18       130      0.17
       2- 4  108       112      0.04
       2- 5  125       135      0.06
       3- 5   21       112      0.19
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  4     01-12   996  145    01-08  HGR     SPF  425
  5   2-05-00   459  135    01-08  HGR     SPF  425
Max Horiz =   -133 /   +144 at Joint   4
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 2-06-12 are based on 1.00 full and 0.00 reduced load factors.

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

Mbr	Max	Min	Location	Dir	Description
Transfer loads:					
BC	929	-50	07-08	Vert	T17 @ 90 Deg

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.
Less than 0.25/12 pitch requires adequate drainage to prevent ponding.

Deflection Summary

```
TrussSpan Limit  Actual(in)    Location
Vert LL   L/240   L/979(-0.03)  4- 5
Vert DL   L/120   L/999(-0.01)  4- 5
Vert CR   L/180   L/731(-0.04)  4- 5
Horz LL   0.75in       ( 0.00) @Jt 5
Horz CR   1.25in       ( 0.00) @Jt 5
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt4(02-00,0)

COLORADO LICENSED
SIENNA PALOS
59342
PROFESSIONAL ENGINEER

12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

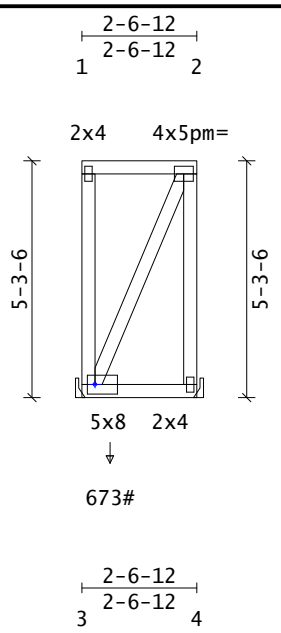
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: AT4**

Customer: GREEN-R-PANEL

SID: 0003962956
TID: 299093
Date: 12 / 12 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 26.8 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC    80.0  13.0      Live  Wind  Snow
BC     0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase:  No
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL    1 -  2   0.25
Max CSI in BC PANEL    3 -  4   0.58
Max CSI in Web         3 -  1   0.35

...Mem...    Ten      Comp      .CSI.
TC    OH- 1        0         0      0.00
       1- 2        0        42      0.25
       2-OH        0         0      0.00
BC    OH- 3        0         0      0.00
       3- 4        0        42      0.58
       4-OH        0         0      0.00
Web    1- 3       28       236      0.35
       2- 3      225       225      0.11
       2- 4      234       236      0.34
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  3     01-12   794  273    01-08  HGR     SPF  425
  4   2-05-00   405  233    01-08  HGR     SPF  425
Max Horiz =   -187 /   +187 at Joint   3
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 1-03-06 are based on 1.00 full and 0.00 reduced load factors.

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

```
 Mbr       Max    Min  Location   Dir   Description
 Transfer loads:
  BC       673    -69     07-08   Vert  T18 @ -90 Deg
```

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.
Less than 0.25/12 pitch requires adequate drainage to prevent ponding.
This truss is not symmetric - proper orientation is critical.

Deflection Summary

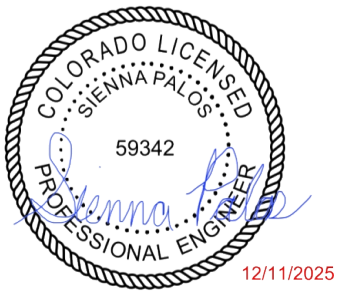
```
TrussSpan Limit  Actual(in)    Location
Vert LL   L/240   L/999(-0.02)  3- 4
Vert DL   L/120   L/999(-0.01)  3- 4
Vert CR   L/180   L/996(-0.03)  3- 4
Horz LL   0.75in       ( 0.00) @Jt 4
Horz CR   1.25in       ( 0.00) @Jt 4
```

Bracing Data Summary

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

Plate offsets (X, Y):

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



12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

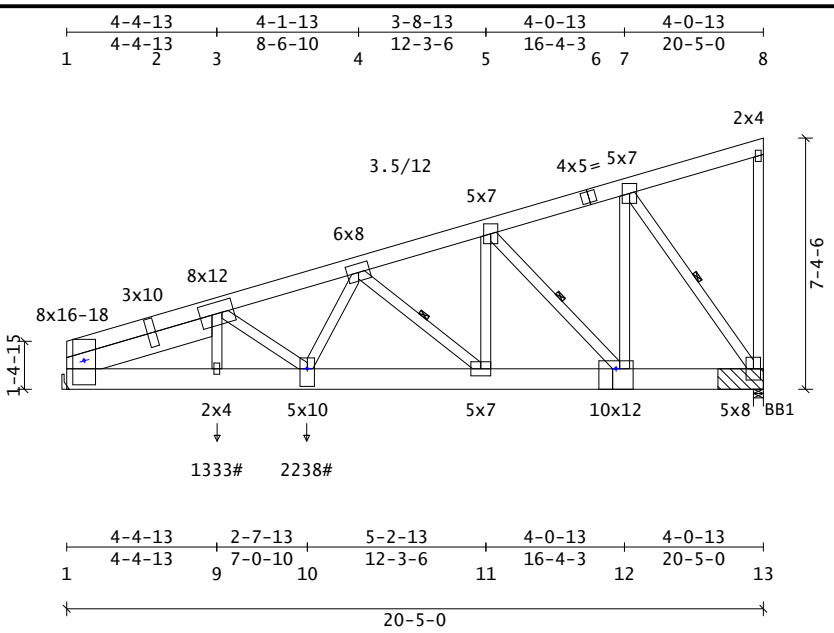
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 2** | **Truss: AT5**

Customer: GREEN-R-PANEL

SID: 0003962957
TID: 299093
Date: 12 / 12 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 186.6 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase:  No
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

TC	2x6	SPF	1650/1.5
	2x6	SPF	#1/#2 6-8
BC	2x8	SPF	1950/1.7
	2x8	SPF	#1/#2 12-13
Webs	2x4	SPF	#1/#2
Slider	2x8	SPF	#1/#2

Member Forces Summary

Max CSI in TC PANEL 1 - 2 0.71
Max CSI in BC PANEL 1 - 9 0.87
Max CSI in Web 7 - 13 0.77

...Mem...		Ten	Comp	.CSI.
TC	1- 2	379	4152	0.71
	2- 3	402	4258	0.21
	3- 4	753	8118	0.48
	4- 5	382	4427	0.24
	5- 6	215	2275	0.15
	6- 7	220	2119	0.31
	7- 8	80	122	0.28
	8-OH	0	7	0.00
BC	1- 9	7819	772	0.87
	9-10	7814	771	0.87
	10-11	6601	570	0.61
	11-12	4169	300	0.27
	12-13	1931	152	0.33
	13-OH	0	0	0.00
Web	1- 2	437	4361	0.39
	2- 3	426	4240	0.37
	3- 9	402	129	0.10
	3-10	112	162	0.03
	4-10	2750	298	0.67
	4-11	371	3241	0.52
	5-11	2345	200	0.57
	5-12	310	3246	0.62
	7-12	2555	185	0.62
	7-13	293	3382	0.77
	8-13	36	313	0.45

Reaction Summary

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

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
1	00-12	4605	412	01-08	HGR	SPF	425
13	20-03-04	3171	234	03-08	05-00**	SPF	531

Max Horiz = -66 / +261 at Joint 1
(**) indicates Reqd Width > actual Width; enhancement may be required.

Solid blocking required; both sides of truss at Joint(s): 1

Attach bearing block BB1, 2x8x16" SPF #2 (or better), to one face of the bottom chord w/ 3 staggered rows of 10d nails (0.128" x 3.0") @ 3" o.c. Stagger rows by 1/2 the nail spacing. Install a minimum of (10) nails.

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 20-05-00 are based on 1.00 full and 0.00 reduced load factors.

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

Mbr	Max	Min	Location	Dir	Description
Transfer loads:					
BC	1333	-227	4-04-14	Vert	AT6 @ -90 Deg
BC	2238	-241	7-00-06	Vert	AT7 @ -90 Deg

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Continuous Lateral Restraint (CLR) rows require diagonal bracing per D-WEBCLRBRACE. Alternatively, see D-WEBREINFORCE.

Deflection Summary

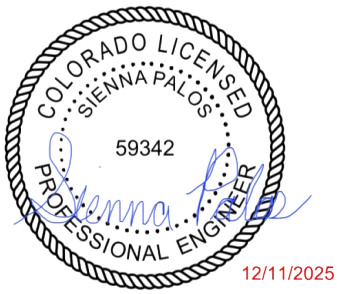
TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/781(-0.31)	10-11
Vert DL	L/120	L/999(-0.09)	10-11
Vert CR	L/180	L/603(-0.40)	10-11
Horz LL	0.75in	(0.06)	@Jt13
Horz CR	1.25in	(0.07)	@Jt13

Bracing Data Summary

----------Bracing Data----------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single: 4-11 5-12 7-13
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0

Plate offsets (X, Y):

(None unless indicated below)
Jnt10(0,-01-04), Jnt12(0,-02-04),
Jnt1(0,-00-08)



12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

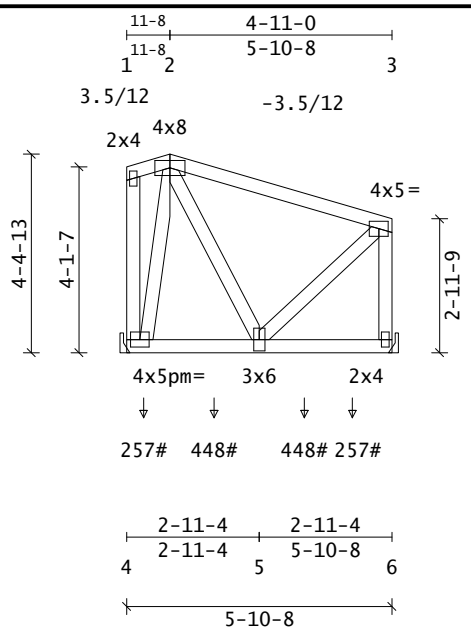
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: AT6**

Customer: GREEN-R-PANEL

SID: 0003962958
TID: 299093
Date: 12 / 12 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 39.5 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase:  No
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  #1/#2
        2x4   SPF  1650/1.5  2-3
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   2 -  3   0.86
Max CSI in BC PANEL   4 -  5   0.61
Max CSI in Web        4 -  2   0.33

...Mem...    Ten      Comp      .CSI.
TC   OH- 1      10         0      0.00
      1- 2      61        37      0.23
      2- 3      84       586      0.86
      3-OH       7         0      0.00
BC   OH- 4       0         0      0.00
      4- 5     217        64      0.61
      5- 6       0        21      0.56
      6-OH       0         0      0.00
Web   1- 4     130        90      0.19
      2- 4     111      1062      0.33
      2- 5     530        86      0.13
      3- 5     636        65      0.15
      3- 6      93      1001      0.17
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  4     01-12  1333  227    01-08  HGR     SPF  425
  6   5-08-12  1287  134    01-08  HGR     SPF  425
Max Horiz =   -146 /   +108 at Joint   4
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 11-08 are based on 1.00 full and 0.00 reduced load factors.

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

```
 Mbr       Max    Min  Location   Dir   Description
 Transfer loads:
  BC       257   -142     04-08   Vert  T21 @ 90 Deg
  BC       448    -30   1-11-04   Vert  T20 @ -90 Deg
  BC       448    -30   3-11-04   Vert  T20 @ -90 Deg
  BC       257    -77   5-00-00   Vert  T22 @ 90 Deg
```

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
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/240   L/999(-0.03)  5- 6
Vert DL   L/120   L/999(-0.01)  5- 6
Vert CR   L/180   L/999(-0.05)  5- 6
Horz LL   0.75in       ( 0.00) @Jt 6
Horz CR   1.25in       ( 0.00) @Jt 6
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

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12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

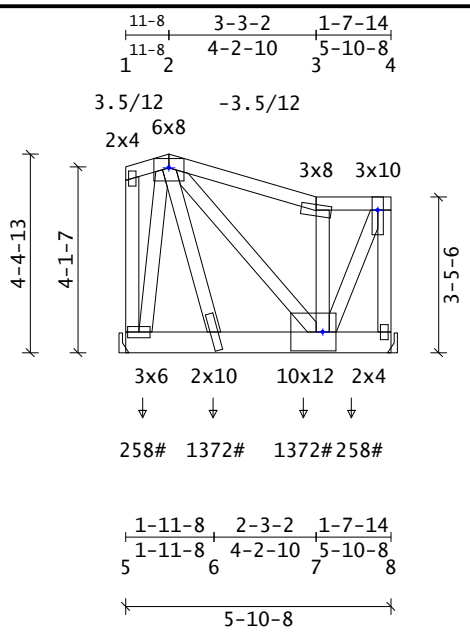
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: AT7**

Customer: GREEN-R-PANEL

SID: 0003962959
TID: 299093
Date: 12 / 12 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 63.3 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase:  No
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  #1/#2
BC      2x6   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL    2 -  3   0.44
Max CSI in BC PANEL    6 -  7   0.57
Max CSI in Web         7 -  4   0.54

...Mem...    Ten      Comp      .CSI.
TC   OH- 1      10         0      0.00
       1- 2      54        35      0.07
       2- 3     112      1005      0.44
       3- 4      84       897      0.15
       4-OH       0         0      0.00
BC   OH- 5       0         0      0.00
       5- 6     383        78      0.14
       6- 7     825        89      0.57
       7- 8       0        23      0.07
       8-OH       0         0      0.00
Web    1- 5      21       163      0.18
       2- 5     112      1838      0.52
       2- 6    1660        48      0.40
       2- 7     139        81      0.03
       3- 7      85       724      0.13
       4- 7    2212       142      0.54
       4- 8     142      2125      0.40
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  5     01-12  2237  242    01-08  HGR     SPF  425
  8   5-08-12  2232  173    01-08  HGR     SPF  425
Max Horiz =   -138 /   +116 at Joint   5
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 11-08 are based on 1.00 full and 0.00 reduced load factors.

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

Mbr	Max	Min	Location	Dir	Description
Transfer loads:					
BC	258	-142	04-08	Vert	T21 @ -90 Deg
BC	1372	-45	1-11-04	Vert	T19 @ 90 Deg
BC	1372	-45	3-11-04	Vert	T19 @ 90 Deg
BC	258	-86	5-00-00	Vert	T22 @ -90 Deg

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Less than 0.25/12 pitch requires adequate drainage to prevent ponding.

Deflection Summary

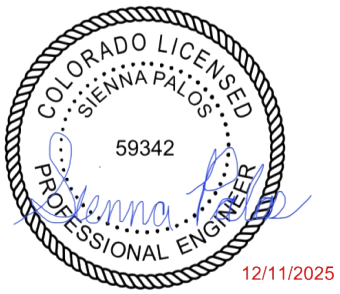
```
TrussSpan Limit  Actual(in)    Location
Vert LL   L/240  L/999(-0.03)  6- 7
Vert DL   L/120  L/999(-0.01)  6- 7
Vert CR   L/180  L/999(-0.05)  6- 7
Horz LL   0.75in       ( 0.00) @Jt 8
Horz CR   1.25in       ( 0.00) @Jt 8
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt2(0,-00-08), Jnt4(0,-01-08),
Jnt7(-02-08,0)



12/11/2025

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Component Solutions
Truss Studio V
2025.3.0.104

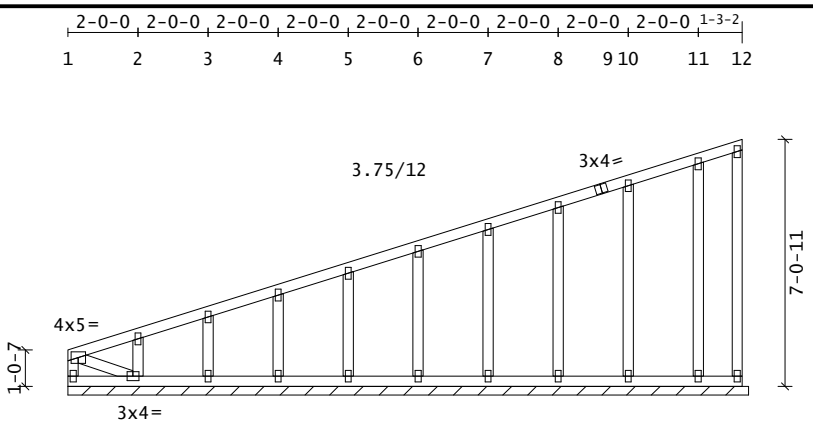
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T1**

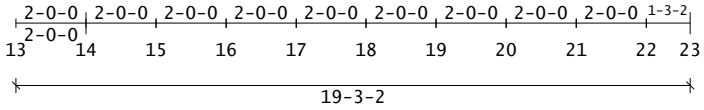
Customer: GREEN-R-PANEL

SID: 0003962960
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Typical plate: 2x4



Truss Weight = 101.3 lb

Code/Design: IBC-2021/TPI-2014
PSF Live Dead Dur Factors
TC 80.0 13.0 Live Wind Snow
BC 0.0 10.0 Lum 1.25 1.60 1.15
Total 103.0 Plt 1.25 1.60 1.15
Spacing: 2-00-00 o.c. Plies: 1
Repetitive Member Increase: Yes
Green Lumber: No Wet Service: No
Fab Tolerance: 20% Creep (Kcr) = 2.0
OH Soffit Load: 2.0 psf

----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin): No
Unbalanced Snow Loads: Yes
Rain Surcharge: No Ice Dam Chk: No

----------Wind Load Specs----------
ASCE7-16 Wind Speed(V) = 115 mph
Risk Cat: II Exposure Cat: C
Bldg Dims: L = 60.0 ft B = 40.0 ft
M.R.H(h)= 40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 7.8 BC = 6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00

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

Material Summary

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

Member Forces Summary

Max CSI in TC PANEL 1 - 2 0.16
Max CSI in BC PANEL 14 - 15 0.07
Max CSI in Web 23 - 12 0.45

...Mem...	Ten	Comp	.CSI.
TC 1- 9	124	214	0.16
9-12	58	94	0.15
BC 13-23	208	115	0.07
Web 1-13	43	163	0.02
1-14	226	125	0.08
2-14	51	392	0.05
3-15	48	366	0.05
4-16	48	369	0.06
5-17	48	369	0.07
6-18	48	369	0.10
7-19	48	369	0.13
8-20	48	367	0.17
10-21	51	383	0.22
11-22	39	308	0.22
12-23	23	96	0.45

Reaction Summary

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

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
14	2-00-00	438	87	19-05-04			
15	4-00-00	409	25	19-05-04			
16	6-00-00	413	25	19-05-04			
17	8-00-00	412	25	19-05-04			
18	10-00-00	412	25	19-05-04			
19	12-00-00	412	25	19-05-04			
20	14-00-00	410	25	19-05-04			
21	16-00-00	428	26	19-05-04			

Max Horiz = -69 / +266 at Joint 18
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----

Jnt-Jnt	React	-Up-	--Width-	
13- 23	32	0	19-05-04	(reduced)

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 19-03-02 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

If this truss is exposed to wind load perpendicular to the plane of the truss, gable studs must be braced according to the Construction Documents, BCSI-B3, or a gable stud bracing detail matching the design wind speed shown. Lateral bracing of the truss itself to resist out-of-plane wind load must be in accordance with the Construction Documents.
The maximum rake overhang length is 12.0".
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.00)	13-14
Vert DL	L/120	L/999(-0.00)	13-14
Vert CR	L/180	L/999(-0.00)	13-14
Horz LL	0.75in	(0.01)	@Jt13
Horz CR	1.25in	(0.01)	@Jt13

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

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12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

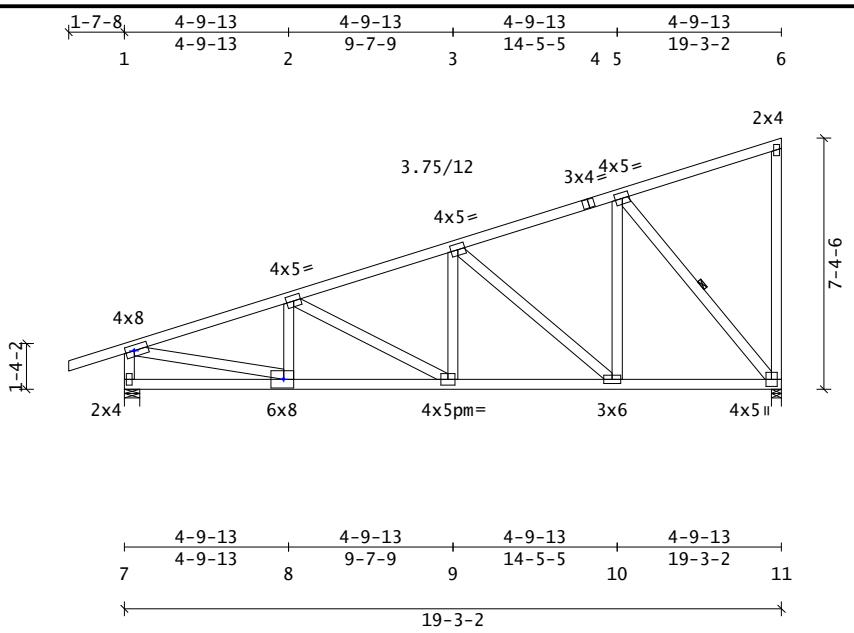
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 4** | **Truss: T2**

Customer: GREEN-R-PANEL

SID: 0003962961
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 105.0 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL    4 -  5    0.90
Max CSI in BC PANEL    8 -  9    0.72
Max CSI in Web         3 - 10    0.92

...Mem...    Ten      Comp      .CSI.
TC    OH- 1       99         0     0.68
       1- 2      128      3060     0.83
       2- 3      134      2596     0.75
       3- 4      109      1497     0.71
       4- 5      113      1279     0.90
       5- 6      101       155     0.89
       6-OH        0         8     0.00
BC    OH- 7        0         0     0.00
       7- 8        0       288     0.29
       8- 9     2818       129     0.72
       9-10     2348        87     0.58
      10-11     1309        69     0.37
      11-OH        0         0     0.00
Web    1- 7      125      2245     0.28
       1- 8     2894        58     0.71
       2- 8       61       565     0.09
       2- 9       56       532     0.27
       3- 9      347         0     0.08
       3-10       96      1357     0.92
       5-10      978         0     0.24
       5-11      132      2036     0.53
       6-11       42       367     0.48
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  7     01-12  2308  101     05-08 03-10    SPF  531
 11  19-01-06  1981   96     03-08 03-02    SPF  531
Max Horiz =    -74 /   +297 at Joint   7
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 19-03-02 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

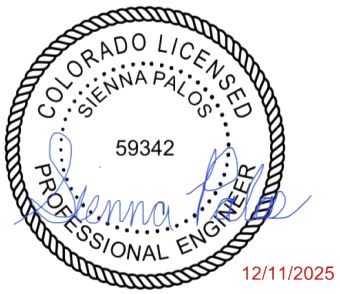
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.13)  8- 9
Vert DL   L/120   L/999(-0.04)  8- 9
Vert CR   L/180   L/999(-0.18)  8- 9
Horz LL   0.75in       ( 0.04) @Jt11
Horz CR   1.25in       ( 0.05) @Jt11
Ohng CR  2L/180  2L/674(-0.06)  1- 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-15,00-05), Jnt8(-00-08,0)



12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

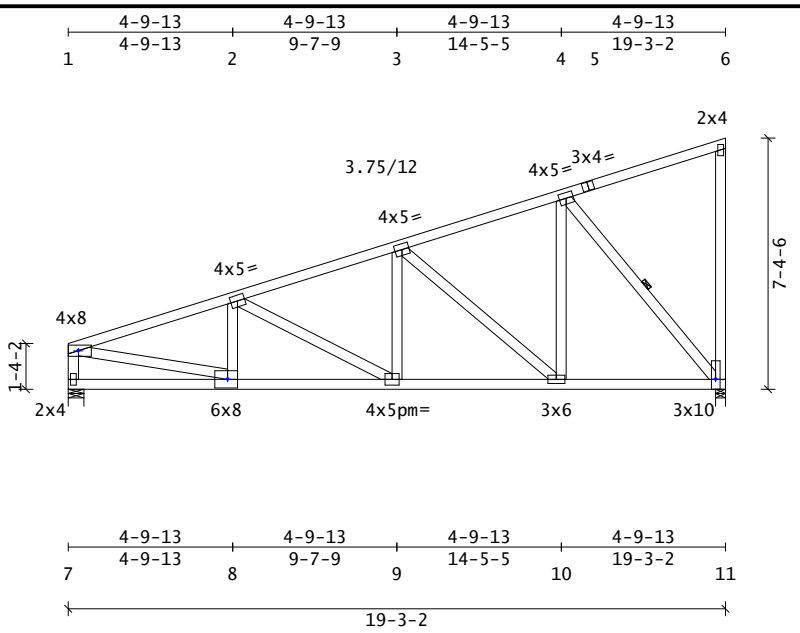
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T3**

Customer: GREEN-R-PANEL

SID: 0003962962
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 104.0 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.   Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL    1 -  2   0.90
Max CSI in BC PANEL    8 -  9   0.72
Max CSI in Web         3 - 10   0.92

...Mem...    Ten      Comp      .CSI.
TC    OH- 1        8         0     0.00
        1- 2      133      3075     0.90
        2- 3      136      2603     0.76
        3- 4      113      1499     0.76
        4- 5       66       155     0.74
        5- 6      101       112     0.53
        6-OH        0         8     0.00
BC    OH- 7        0         0     0.00
        7- 8        0       278     0.29
        8- 9     2836       127     0.72
        9-10     2353        86     0.58
       10-11     1312        69     0.37
       11-OH        0         0     0.00
Web     1- 7       94      1922     0.24
        1- 8     2913        84     0.71
        2- 8       84       570     0.09
        2- 9       62       547     0.28
        3- 9      354         0     0.08
        3-10       97      1361     0.92
        4-10      980         0     0.24
        4-11      134      2040     0.53
        6-11       42       366     0.50
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  7     01-12  1983   71    05-08 03-02    SPF  531
 11  19-01-06  1983   97    03-08 03-02    SPF  531
Max Horiz =    -89 /   +288 at Joint   7
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 19-03-02 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.13)  8- 9
Vert DL   L/120   L/999(-0.05)  8- 9
Vert CR   L/180   L/999(-0.18)  8- 9
Horz LL   0.75in       ( 0.04) @Jt11
Horz CR   1.25in       ( 0.05) @Jt11
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    4-11
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-08,0), Jnt8(-00-08,0),
Jnt11(0,01-08)

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12/11/2025

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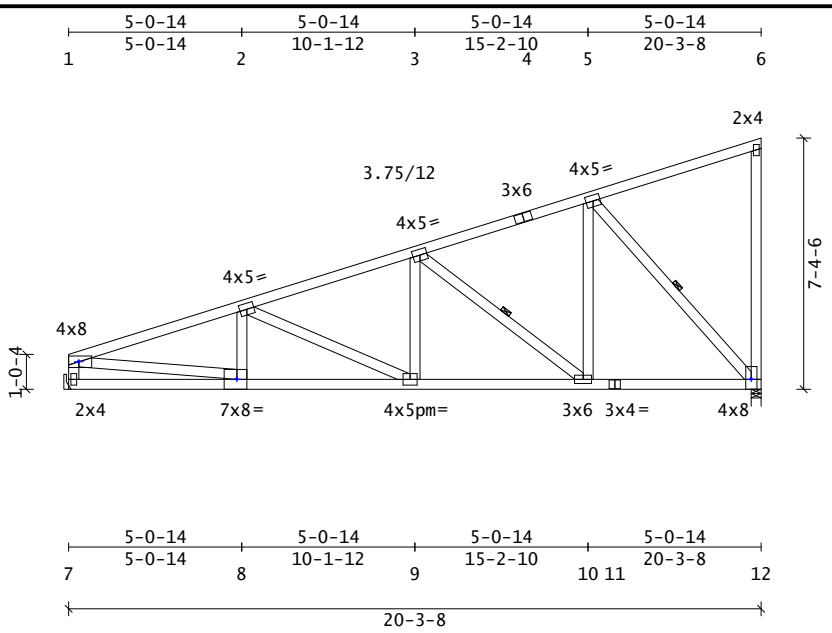
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 11** | **Truss: T4**

Customer: GREEN-R-PANEL

SID: 0003962963
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 108.3 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  1650/1.5
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL    1 -  2   0.83
Max CSI in BC PANEL    8 -  9   0.88
Max CSI in Web         1 -  8   0.86

...Mem...    Ten      Comp      .CSI.
TC    OH- 1        8         0     0.00
       1- 2      153      3753     0.83
       2- 3      148      2999     0.66
       3- 4      109      1683     0.50
       4- 5      118      1509     0.67
       5- 6      106       164     0.66
       6-OH        0         8     0.00
BC    OH- 7        0         0     0.00
       7- 8        0       279     0.32
       8- 9     3477       151     0.88
       9-10     2725        84     0.67
      10-11     1481        66     0.42
      11-12     1481        66     0.42
      12-OH        0         0     0.00
Web    1- 7      101      2023     0.25
       1- 8     3519       111     0.86
       2- 8      100       448     0.06
       2- 9       73       826     0.44
       3- 9      448         0     0.11
       3-10      106      1568     0.33
       5-10     1064         0     0.26
       5-12      141      2214     0.59
       6-12       43       385     0.49
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  7     01-12  2090   76    01-08  HGR     SPF  425
 12  20-01-12  2090  101    03-08 03-04    SPF  531
Max Horiz =    -72 /   +279 at Joint   7
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 20-03-08 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.18)  8- 9
Vert DL   L/120   L/999(-0.06)  8- 9
Vert CR   L/180   L/999(-0.24)  8- 9
Horz LL   0.75in       ( 0.05) @Jt12
Horz CR   1.25in       ( 0.06) @Jt12
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    3-10  5-12
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-08,0), Jnt8(-00-08,0),
Jnt12(0,00-08)

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12/11/2025

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2025.3.0.104

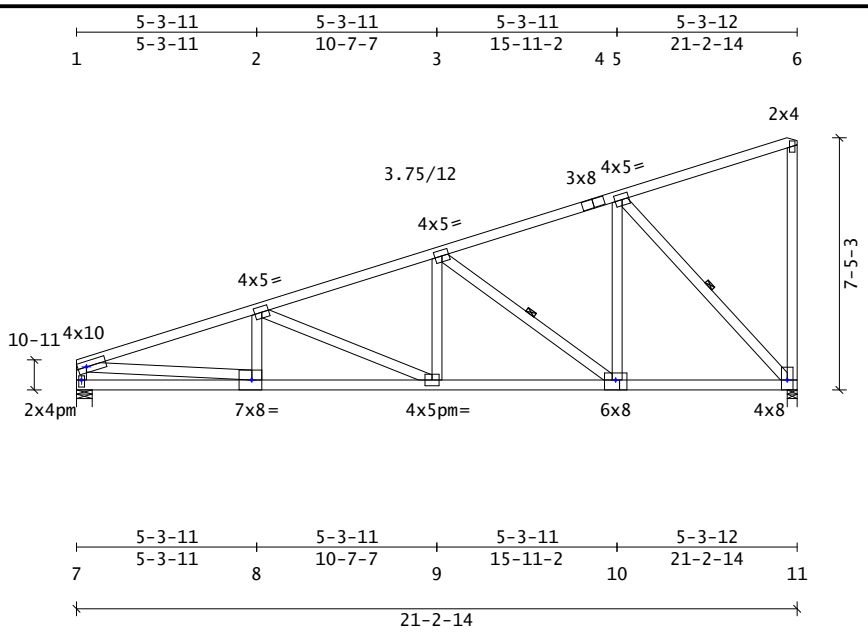
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T5**

Customer: GREEN-R-PANEL

SID: 0003962964
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 116.4 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  2100/1.8
        2x4   SPF  2400/2.0  4-6
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.87
Max CSI in BC PANEL   8 -  9   0.99
Max CSI in Web        1 -  8   0.96

...Mem...    Ten      Comp      .CSI.
TC   OH- 1       8         0      0.00
      1- 2     170      4209      0.87
      2- 3     157      3269      0.72
      3- 4     120      1799      0.55
      4- 5     123      1545      0.66
      5- 6     111       172      0.65
      6-OH       0         8      0.00
BC   OH- 7       0         0      0.00
      7- 8       0       289      0.35
      8- 9    3907       171      0.99
      9-10    2976        95      0.76
     10-11    1600        65      0.45
     11-OH       0         0      0.00
Web   1- 7     105      2118      0.26
      1- 8    3936       125      0.96
      2- 8     125       385      0.05
      2- 9      83      1010      0.58
      3- 9     507         0      0.12
      3-10     112      1719      0.38
      5-10    1125         0      0.27
      5-11     147      2353      0.66
      6-11      44       401      0.51
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  7     01-12  2187   80     05-08 03-07    SPF  531
 11  21-01-02  2187  105     03-08 03-07    SPF  531
Max Horiz =    -72 /   +290 at Joint   7
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 20-11-04 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

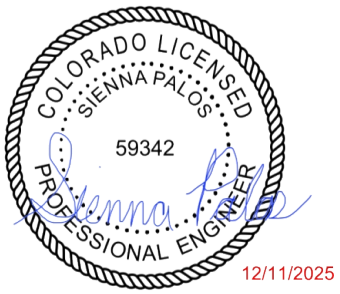
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.21)  8- 9
Vert DL   L/120   L/999(-0.07)  8- 9
Vert CR   L/180   L/910(-0.28)  8- 9
Horz LL   0.75in       ( 0.06) @Jt11
Horz CR   1.25in       ( 0.07) @Jt11
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    3-10  5-11
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(01-14,00-09), Jnt7(0,-00-08), Jnt8(-00-08,0), Jnt10(0,-00-08), Jnt11(0,00-08)



12/11/2025

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2025.3.0.104

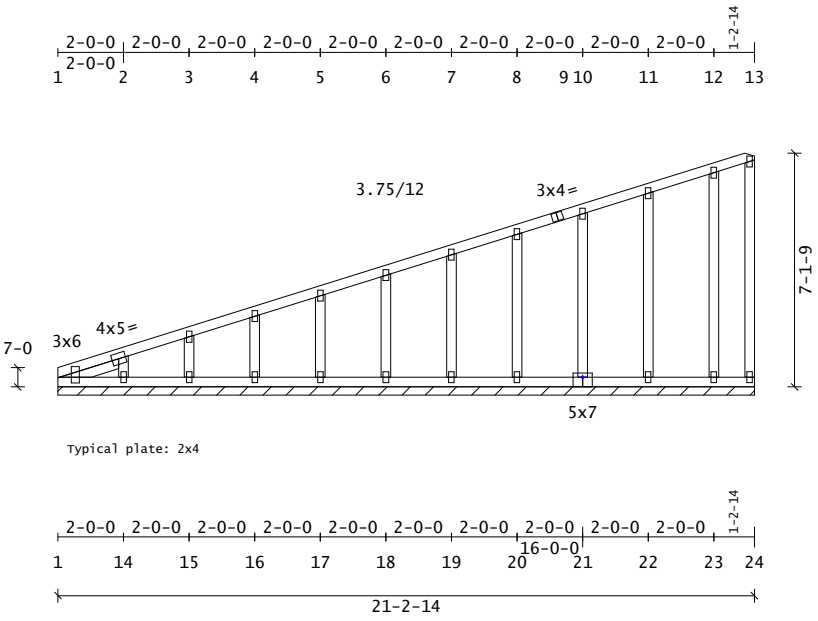
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T6**

Customer: GREEN-R-PANEL

SID: 0003962965
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 110.7 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  #1/#2
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
Slider  2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL    2 -  3   0.16
Max CSI in BC PANEL    1 - 14   0.19
Max CSI in Web        24 - 13   0.46

...Mem...    Ten      Comp      .CSI.
TC    1- 9     123      215      0.16
      9-13      55      112      0.15
BC    1-21     224      127      0.19
     21-24      91       59      0.03
Web   2-14      59      288      0.03
      3-15      51      394      0.05
      4-16      48      364      0.05
      5-17      48      370      0.06
      6-18      48      369      0.08
      7-19      48      369      0.11
      8-20      48      369      0.14
     10-21      48      367      0.18
     11-22      51      383      0.23
     12-23      38      306      0.23
     13-24      24       94      0.46
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc-  React -Up- --Width- -Reqd   -Mat  PSI
 15    4-00-00   436    23 21-02-14
 16    6-00-00   408    25 21-02-14
 17    8-00-00   413    25 21-02-14
 18   10-00-00   412    25 21-02-14
 19   12-00-00   412    25 21-02-14
 20   14-00-00   412    25 21-02-14
 21   16-00-00   410    25 21-02-14
 22   18-00-00   428    26 21-02-14
Max Horiz =     -65 /   +284 at Joint  18
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt        React -Up- --Width-
  1- 24           49     0 21-02-14  (reduced)
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 20-11-05 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

If this truss is exposed to wind load perpendicular to the plane of the truss, gable studs must be braced according to the Construction Documents, BCSI-B3, or a gable stud bracing detail matching the design wind speed shown. Lateral bracing of the truss itself to resist out-of-plane wind load must be in accordance with the Construction Documents.
The maximum rake overhang length is 12.0".
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

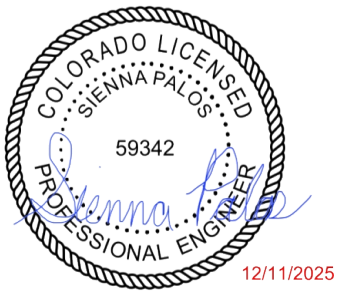
```
TrussSpan Limit  Actual(in)    Location
Vert LL   L/240   L/999(-0.00)  1-14
Vert DL   L/120   L/999(-0.00) 22-23
Vert CR   L/180   L/999(-0.00) 22-23
Horz LL   0.75in       ( 0.01) @Jt 1
Horz CR   1.25in       ( 0.01) @Jt 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

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



12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

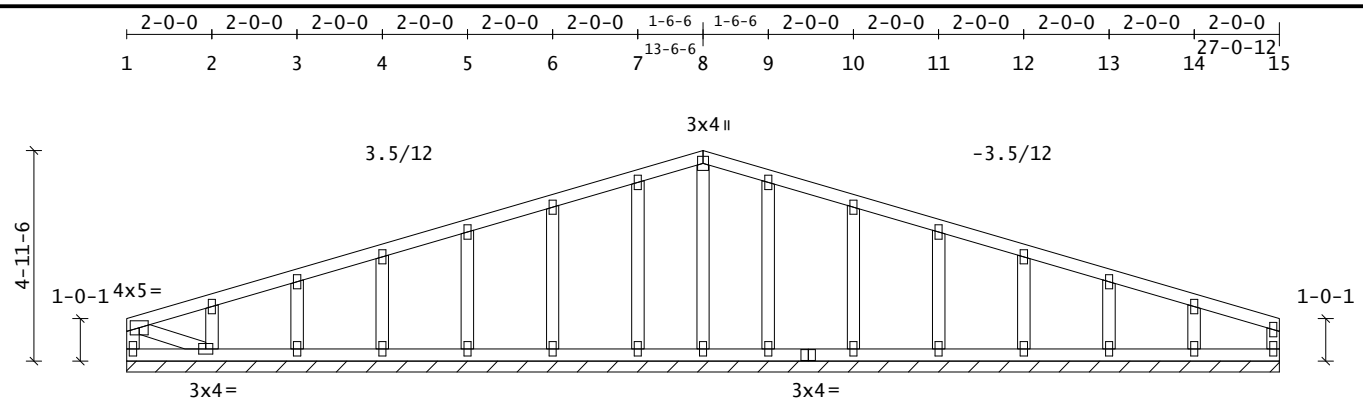
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T7**

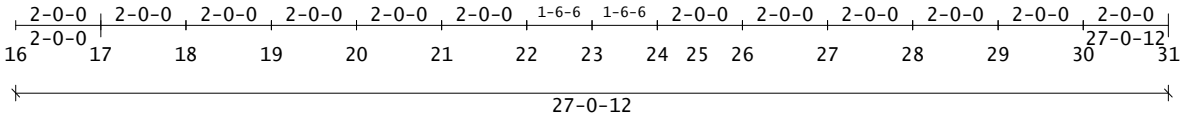
Customer: GREEN-R-PANEL

SID: 0003962966
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Typical plate: 2x4



Truss Weight = 119.0 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC    80.0  13.0       Live  Wind  Snow
BC     0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL    2 -  3   0.16
Max CSI in BC PANEL   16 - 17   0.02
Max CSI in Web        22 -  7   0.15

...Mem...    Ten      Comp      .CSI.
TC     1- 8      112       70      0.16
       8-15      102       70      0.16
BC    16-25       49       49      0.02
      25-31        0        0      0.02
Web    1-16       36      163      0.02
       1-17       53       53      0.01
       2-17       50      450      0.06
       3-18       46      510      0.07
       4-19       47      505      0.08
       5-20       46      504      0.09
       6-21       49      514      0.12
       7-22       38      472      0.15
       8-23        0      243      0.09
       9-24       38      472      0.15
      10-26       49      514      0.12
      11-27       46      504      0.09
      12-28       47      505      0.08
      13-29       46      510      0.07
      14-30       50      450      0.06
      15-31       20      163      0.02
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
 17    2-00-00   493   37 27-00-12
 18    4-00-00   550   23 27-00-12
 19    6-00-00   545   23 27-00-12
 20    8-00-00   544   23 27-00-12
 21   10-00-00   556   25 27-00-12
 22   12-00-00   508   17 27-00-12
 24   15-00-12   498   23 27-00-12
 26   17-00-12   547   30 27-00-12
 27   19-00-12   546   22 27-00-12
 28   21-00-12   545   23 27-00-12
 29   23-00-12   550   23 27-00-12
 30   25-00-12   493   25 27-00-12
Max Horiz =    -50 /    +50 at Joint  23
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
 16- 31          10    0 27-00-12  (reduced)
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 13-06-06 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

If this truss is exposed to wind load perpendicular to the plane of the truss, gable studs must be braced according to the Construction Documents, BCSI-B3, or a gable stud bracing detail matching the design wind speed shown. Lateral bracing of the truss itself to resist out-of-plane wind load must be in accordance with the Construction Documents.
The maximum rake overhang length is 12.0".
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
This truss is not symmetric - proper orientation is critical.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240  L/999(-0.00) 30-31
Vert DL   L/120  L/999(-0.00) 30-31
Vert CR   L/180  L/999(-0.00) 30-31
Horz LL   0.75in      ( 0.00) @Jt16
Horz CR   1.25in      ( 0.00) @Jt16
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

COLORADO LICENSED
SIENNA PALOS
59342
PROFESSIONAL ENGINEER

12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

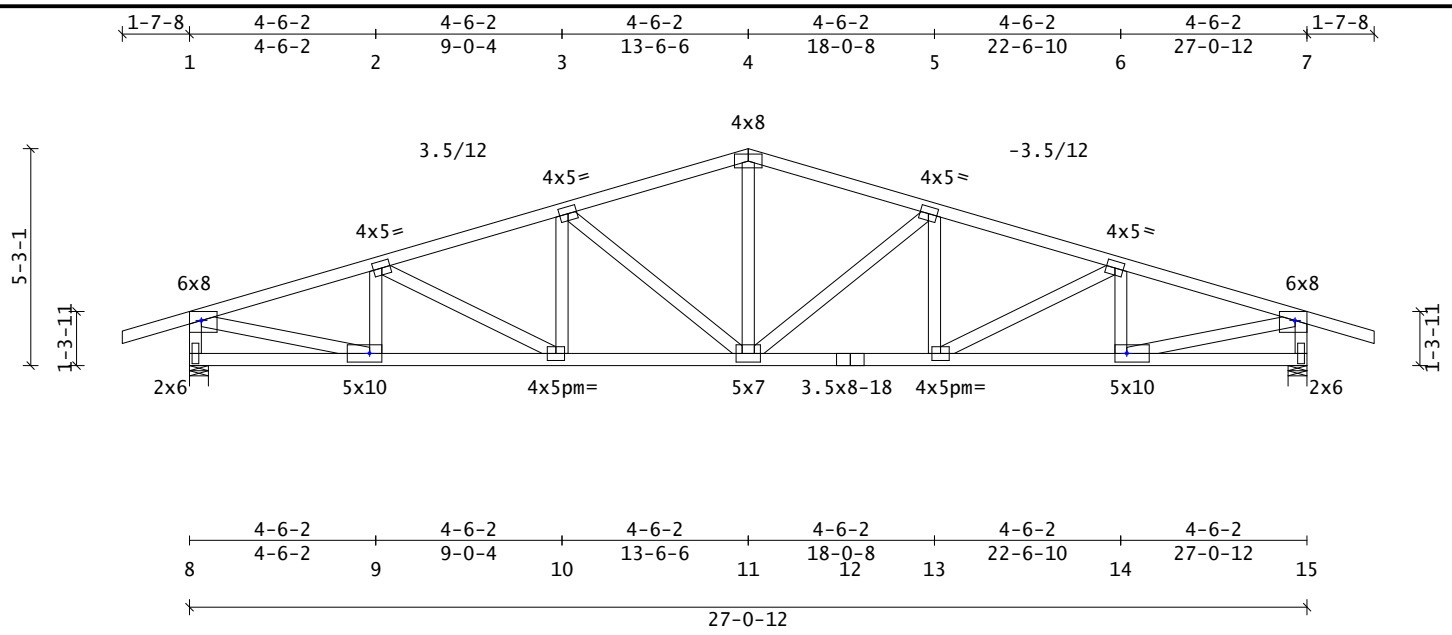
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 3** | **Truss: T8**

Customer: GREEN-R-PANEL

SID: 0003962967
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 151.1 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  2400/2.0
BC      2x4   SPF  1650/1.5
Webs    2x4   SPF  #1/#2
        2x4   SPF  1650/1.5  1-9 14-7
```

Member Forces Summary

```
Max CSI in TC PANEL    2 -  3    0.70
Max CSI in BC PANEL    9 - 10    0.77
Max CSI in Web         3 - 11    0.91

...Mem...    Ten      Comp      .CSI.
TC    OH- 1       93         0     0.36
       1- 2      213      4893     0.55
       2- 3      250      4870     0.70
       3- 4      238      4009     0.65
       4- 5      238      4009     0.65
       5- 6      250      4870     0.70
       6- 7      213      4893     0.55
       7-OH       93         0     0.36
BC    OH- 8        0         0     0.00
       8- 9        0        64     0.21
       9-10     4579       134     0.77
      10-11     4536       123     0.72
      11-12     4536       123     0.72
      12-13     4536       123     0.72
      13-14     4579       134     0.77
      14-15        0         6     0.21
      15-OH        0         0     0.00
Web    1- 8      166      3213     0.41
       1- 9     4710       149     0.76
       2- 9       95      1024     0.15
       2-10      466       145     0.11
       3-10      191       122     0.04
       3-11       77      1592     0.91
       4-11     1400        42     0.34
       5-11       81      1592     0.91
       5-13      191       122     0.04
       6-13      466       145     0.11
       6-14       95      1024     0.15
       7-14     4710       149     0.76
       7-15      166      3213     0.41
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  8     01-12  3263  144    05-08 05-02    SPF  531
 15  26-11-00  3263  144    05-08 05-02    SPF  531
Max Horiz =    -72 /    +72 at Joint   8
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 13-06-06 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

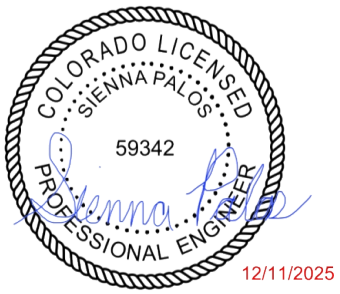
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.31) 10-11
Vert DL   L/120   L/999(-0.10) 10-11
Vert CR   L/180   L/783(-0.41) 10-11
Horz LL   0.75in       ( 0.10) @Jt15
Horz CR   1.25in       ( 0.12) @Jt15
Ohng CR  2L/180  2L/963(-0.04)  1- 1
Ohng CR  2L/180  2L/963(-0.04)  7- 7
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-08,-00-06), Jnt7(-00-08,-00-06), Jnt9(-01-08,0), Jnt14(01-08,0)



12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

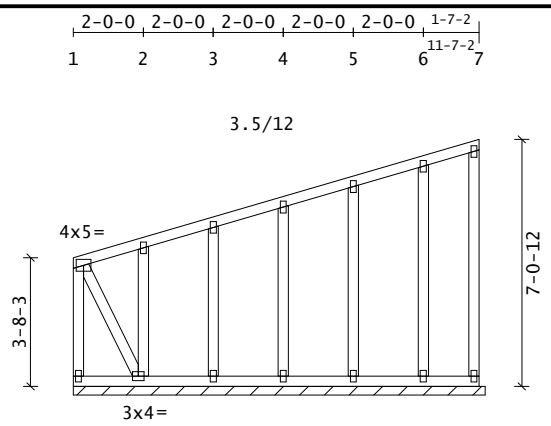
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T9**

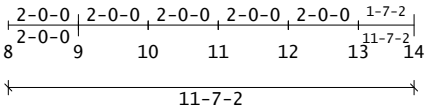
Customer: GREEN-R-PANEL

SID: 0003962968
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Typical plate: 2x4



Truss Weight = 74.8 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL    1 -  2   0.15
Max CSI in BC PANEL    9 - 10   0.08
Max CSI in Web        14 -  7   0.51

...Mem...    Ten     Comp     .CSI.
TC    1- 7     60      144      0.15
BC    8-14    209       86      0.08
Web   1- 8    112      355      0.13
      1- 9    368      143      0.16
      2- 9     49      390      0.11
      3-10     49      368      0.13
      4-11     48      368      0.17
      5-12     50      378      0.22
      6-13     44      341      0.24
      7-14     24      129      0.51
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  9   2-00-00   436  319 11-09-04
 10   4-00-00   410   25 11-09-04
 11   6-00-00   411   24 11-09-04
 12   8-00-00   422   26 11-09-04
Max Horiz =   -156 /   +268 at Joint  11
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  8- 14         60    0 11-09-04  (reduced)
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 11-07-02 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

If this truss is exposed to wind load perpendicular to the plane of the truss, gable studs must be braced according to the Construction Documents, BCSI-B3, or a gable stud bracing detail matching the design wind speed shown. Lateral bracing of the truss itself to resist out-of-plane wind load must be in accordance with the Construction Documents.
The maximum rake overhang length is 12.0".
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

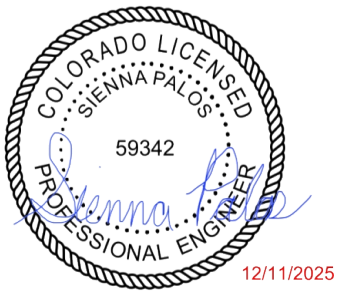
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.00)  8- 9
Vert DL   L/120   L/999(-0.00)  8- 9
Vert CR   L/180   L/999(-0.00)  8- 9
Horz LL   0.75in       ( 0.00) @Jt 8
Horz CR   1.25in       ( 0.00) @Jt 8
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)



12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

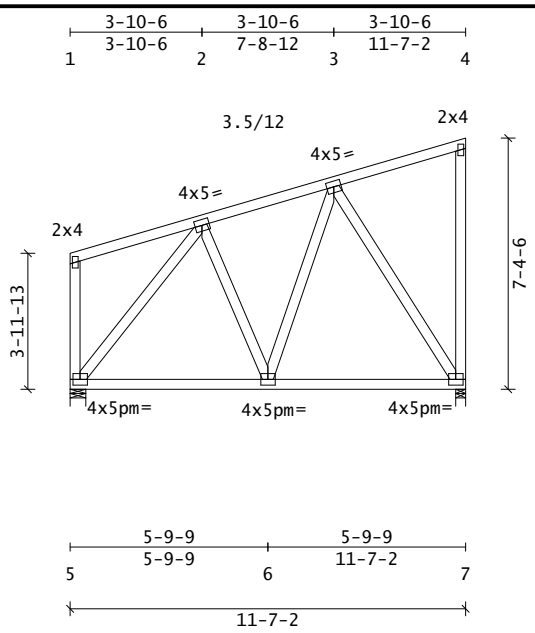
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T10**

Customer: GREEN-R-PANEL

SID: 0003962969
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 69.2 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL   2 -  3   0.59
Max CSI in BC PANEL   5 -  6   0.42
Max CSI in Web        3 -  7   0.85

...Mem...    Ten      Comp      .CSI.
TC   OH- 1       7         0     0.00
       1- 2     113        76     0.58
       2- 3      96       727     0.59
       3- 4      77       116     0.59
       4-OH       0         7     0.00
BC   OH- 5       0         0     0.00
       5- 6     642       159     0.42
       6- 7     529       101     0.42
       7-OH       0         0     0.00
Web    1- 5      51       299     0.17
       2- 5      15      1057     0.68
       2- 6     125       103     0.05
       3- 6     244        33     0.06
       3- 7      98       988     0.85
       4- 7      36       304     0.57
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  5     01-12  1194   40    05-08 01-14    SPF  531
  7  11-05-06  1194   74    03-08 01-14    SPF  531
Max Horiz =   -168 /   +280 at Joint   5
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 11-07-02 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
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/240  L/999(-0.03)  6- 7
Vert DL   L/120  L/999(-0.03)  6- 7
Vert CR   L/180  L/999(-0.06)  6- 7
Horz LL   0.75in       ( 0.01) @Jt 7
Horz CR   1.25in       ( 0.01) @Jt 7
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

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12/11/2025

SIMPSON StrongTie

Component Solutions
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2025.3.0.104

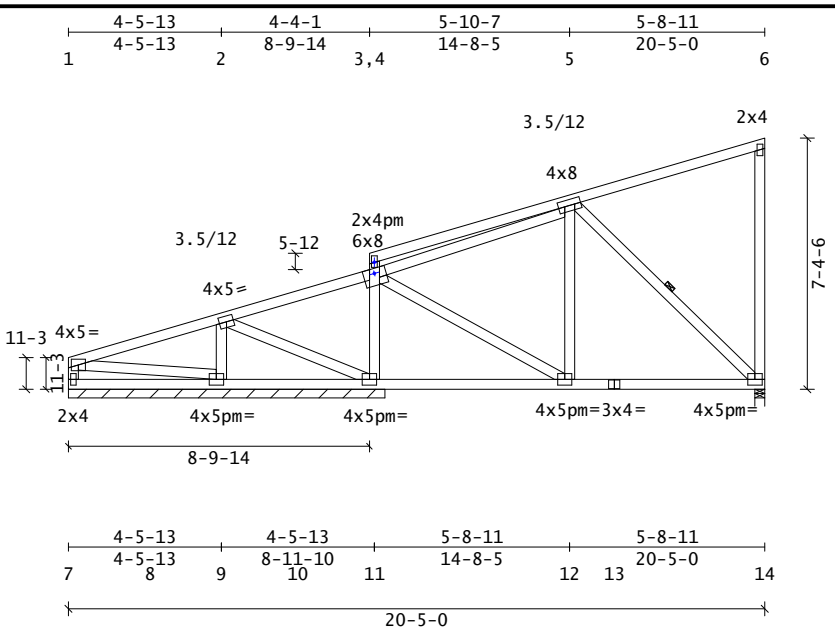
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T11**

Customer: GREEN-R-PANEL

SID: 0003962970
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 112.9 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  #1/#2
        2x4   SPF  2400/2.0  4-6
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.78
Max CSI in BC PANEL  13 - 14   0.42
Max CSI in Web       14 -  6   0.49

...Mem...    Ten      Comp      .CSI.
TC   OH- 1     7         0      0.00
      1- 2    53       170      0.78
      2- 3    46       185      0.77
      4- 5   110       185      0.69
      5- 6   108       180      0.68
      6-OH     0         7      0.00
BC   OH- 7     0         0      0.00
      7- 8   113       275      0.03
      8- 9   113       275      0.03
      9-10    83       164      0.04
     10-11    83       164      0.22
     11-12    53       119      0.27
     12-13   755        84      0.35
     13-14   755        84      0.42
     14-OH     0         0      0.00
Web   1- 7    30       362      0.04
      1- 9    84        34      0.03
      2- 9   108       984      0.13
      2-11    51        47      0.02
      3- 4    53       423      0.05
      3- 5    40       732      0.46
      3-11    90      1396      0.33
      3-12   834         0      0.20
      5-12   139       287      0.15
      5-14    97      1051      0.30
      6-14    43       413      0.49
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc-  React -Up-  --Width-  -Reqd   -Mat  PSI
 14  20-03-04  1201   66    03-08 01-14    SPF  531
  9   4-05-13  1028   83    9-03-06
 11   8-11-10  1524   52    9-03-06
Max Horiz =    -82 /   +275 at Joint   7
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up-  --Width-
  7- 11          48    0  9-03-06  (reduced)
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 20-05-00 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

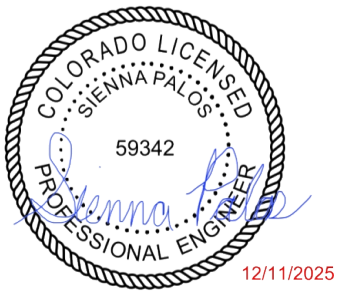
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240  L/999(-0.03) 12-14
Vert DL   L/120  L/999(-0.03) 12-14
Vert CR   L/180  L/999(-0.07) 12-14
Horz LL   0.75in      ( 0.01) @Jt14
Horz CR   1.25in      ( 0.01) @Jt14
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    5-14
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt3(00-06,-01-03), Jnt4(0,00-04)



12/11/2025

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Component Solutions
Truss Studio V
2025.3.0.104

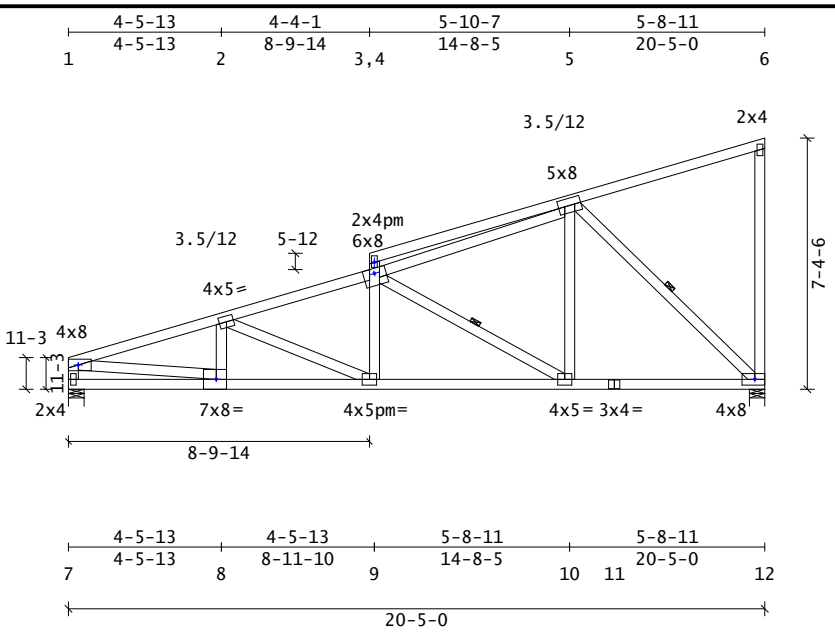
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T11A**

Customer: GREEN-R-PANEL

SID: 0003962971
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 118.5 lb

Code/Design: IBC-2021/TPI-2014

PSF	Live	Dead	Dur Factors		
TC	80.0	13.0	Live	Wind	Snow
BC	0.0	10.0 Lum	1.25	1.60	1.15
Total		103.0 Plt	1.25	1.60	1.15

Spacing: 2-00-00 o.c. Plies: 1
Repetitive Member Increase: Yes
Green Lumber: No Wet Service: No
Fab Tolerance: 20% Creep (Kcr) = 2.0
OH Soffit Load: 2.0 psf

----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin): No
Unbalanced Snow Loads: Yes
Rain Surcharge: No Ice Dam Chk: No

----------Wind Load Specs----------
ASCE7-16 Wind Speed(V) = 115 mph
Risk Cat: II Exposure Cat: C
Bldg Dims: L = 60.0 ft B = 40.0 ft
M.R.H(h)= 40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 7.8 BC = 6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00

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

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

Material Summary

TC	2x4	SPF	#1/#2	
	2x4	SPF	2400/2.0	4-6
BC	2x4	SPF	#1/#2	
Webs	2x4	SPF	#1/#2	

Member Forces Summary

Max CSI in TC PANEL	1 - 2	0.96
Max CSI in BC PANEL	8 - 9	0.96
Max CSI in Web	3 - 5	0.96

...Mem...	Ten	Comp	.CSI.
TC OH- 1	7	0	0.00
1- 2	164	4032	0.96
2- 3	147	3417	0.94
4- 5	53	391	0.82
5- 6	108	180	0.82
6-OH	0	7	0.00
BC OH- 7	0	0	0.00
7- 8	0	275	0.27
8- 9	3787	162	0.96
9-10	3107	90	0.79
10-11	1680	67	0.49
11-12	1680	67	0.47
12-OH	0	0	0.00
Web 1- 7	98	2036	0.25
1- 8	3832	129	0.94
2- 8	66	521	0.07
2- 9	77	697	0.29
3- 4	55	481	0.27
3- 5	68	1509	0.96
3- 9	386	0	0.42
3-10	92	1640	0.36
5-10	938	0	0.23
5-12	144	2339	0.68
6-12	43	413	0.49

Reaction Summary

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

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
7	01-12	2102	76	05-08	03-05	SPF	531
12	20-03-04	2102	98	05-08	03-05	SPF	531

Max Horiz = -82 / +275 at Joint 7

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 20-05-00 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.21)	8- 9
Vert DL	L/120	L/999(-0.06)	8- 9
Vert CR	L/180	L/900(-0.27)	8- 9
Horz LL	0.75in	(0.06)	@Jt12
Horz CR	1.25in	(0.07)	@Jt12

Bracing Data Summary

----------Bracing Data----------
Chords; continuous except where shown
------- Web Bracing -- CLR ----------
Single: 3-10 5-12
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-08,0), Jnt3(00-06,-01-03),
Jnt4(0,00-04), Jnt8(-00-08,0),
Jnt12(-00-08,0)

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12/11/2025

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2025.3.0.104

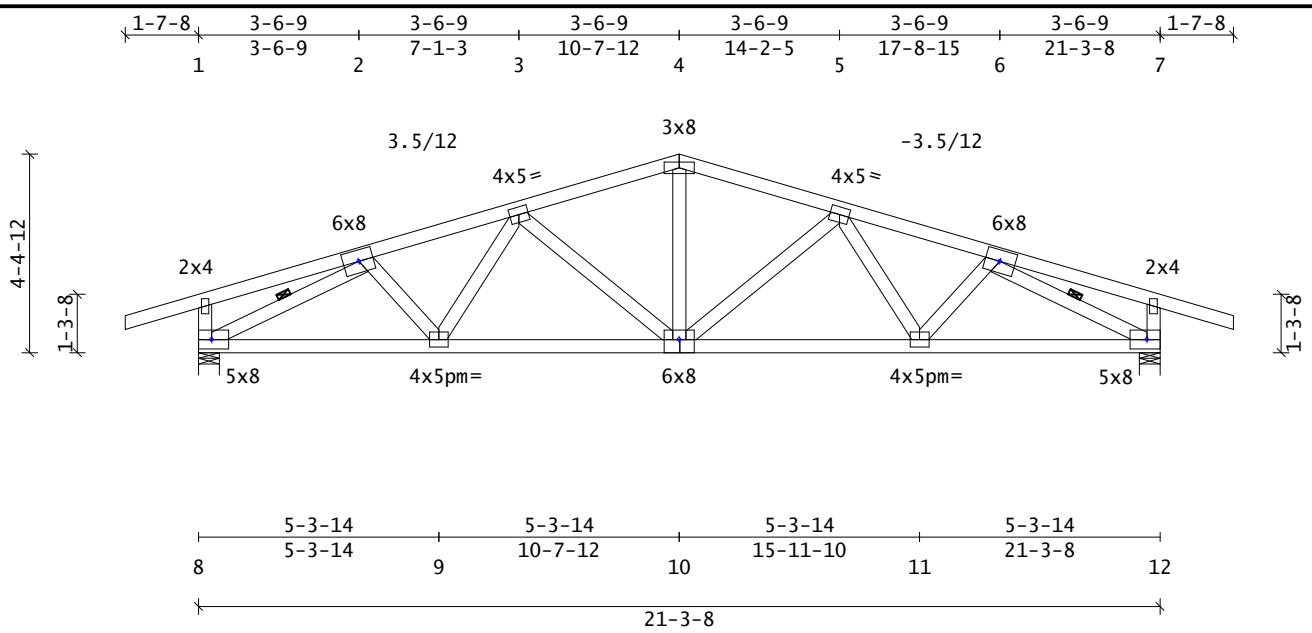
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 3** | **Truss: T12**

Customer: GREEN-R-PANEL

SID: 0003962972
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 111.5 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC    80.0  13.0      Live  Wind  Snow
BC     0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL    1 -  1    0.74
Max CSI in BC PANEL    8 -  9    0.84
Max CSI in Web         8 -  2    0.53

...Mem...    Ten      Comp      .CSI.
TC    OH- 1      110         0     0.74
       1- 2      112       136     0.62
       2- 3      176      3523     0.61
       3- 4      183      2991     0.56
       4- 5      183      2993     0.56
       5- 6      176      3523     0.61
       6- 7      112       136     0.62
       7-OH      110         0     0.74
BC    OH- 8        0         0     0.00
       8- 9     3186        98     0.84
       9-10     3291        89     0.83
      10-11     3291        89     0.83
      11-12     3186        98     0.84
      12-OH        0         0     0.00
Web    1- 8       84       880     0.11
       2- 8      126      3693     0.53
       2- 9      416         9     0.10
       3- 9      143       247     0.06
       3-10       57      1095     0.43
       4-10      983        26     0.24
       5-10       57      1092     0.42
       5-11      143       247     0.06
       6-11      416         9     0.10
       6-12      126      3693     0.53
       7-12      115       880     0.11
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  8     01-12  2800  122    05-08 04-06    SPF  531
 12  21-01-12  2800  122    05-08 04-06    SPF  531
Max Horiz =    -61 /    +61 at Joint   8
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 10-07-12 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.21)  9-10
Vert DL   L/120   L/999(-0.07)  9-10
Vert CR   L/180   L/912(-0.28)  9-10
Horz LL   0.75in       ( 0.09) @Jt12
Horz CR   1.25in       ( 0.11) @Jt12
Ohng CR  2L/180  2L/575(-0.07)  1- 1
Ohng CR  2L/180  2L/575(-0.07)  7- 7
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    8- 2  6-12
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt2(-00-02,0), Jnt6(00-02,0),
Jnt8(00-08,0), Jnt10(0,-00-08),
Jnt12(-00-08,0)

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12/11/2025

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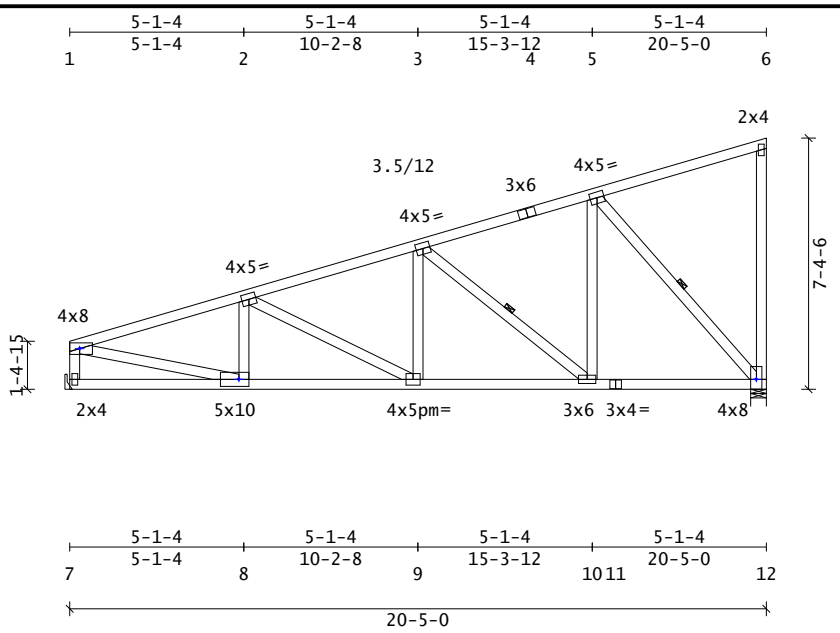
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 5** | **Truss: T13**

Customer: GREEN-R-PANEL

SID: 0003962973
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 109.3 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  1650/1.5
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL    1 -  2    0.77
Max CSI in BC PANEL    8 -  9    0.80
Max CSI in Web         1 -  8    0.79

...Mem...    Ten      Comp      .CSI.
TC    OH- 1        7         0     0.00
       1- 2      146      3365     0.77
       2- 3      148      2871     0.67
       3- 4      112      1658     0.50
       4- 5      121      1493     0.68
       5- 6      100       155     0.67
       6-OH        0         7     0.00
BC    OH- 7        0         0     0.00
       7- 8        0       278     0.32
       8- 9     3131       133     0.80
       9-10     2624        83     0.65
      10-11     1472        67     0.42
      11-12     1472        67     0.42
      12-OH        0         0     0.00
Web    1- 7      102      2038     0.26
       1- 8     3216        97     0.79
       2- 8       91       630     0.10
       2- 9       62       569     0.32
       3- 9      362         0     0.09
       3-10      101      1476     0.32
       5-10     1034         0     0.25
       5-12      139      2217     0.60
       6-12       41       387     0.49
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  7     01-12  2102   77    01-08  HGR     SPF  425
 12  20-03-04  2102  101    05-08 03-05     SPF  531
Max Horiz =    -91 /   +288 at Joint   7
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 20-05-00 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.15)  8- 9
Vert DL   L/120   L/999(-0.05)  8- 9
Vert CR   L/180   L/999(-0.21)  8- 9
Horz LL   0.75in       ( 0.05) @Jt12
Horz CR   1.25in       ( 0.06) @Jt12
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    3-10  5-12
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-08,0), Jnt8(-01-08,0),
Jnt12(0,00-08)

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12/11/2025

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Component Solutions
Truss Studio V
2025.3.0.104

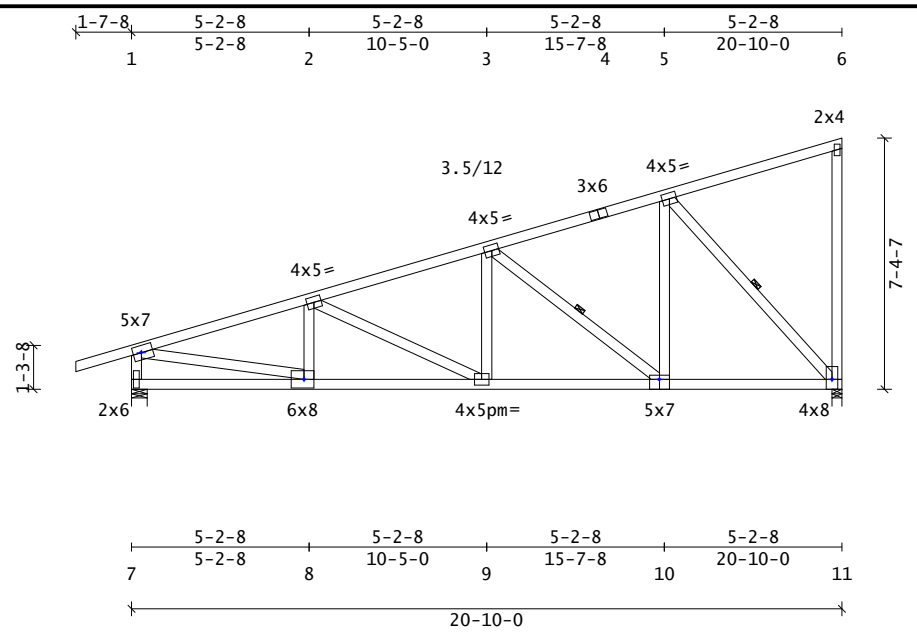
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 5** | **Truss: T14**

Customer: GREEN-R-PANEL

SID: 0003962974
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 113.6 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  1650/1.5
        2x4   SPF  2100/1.8  4-6
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.78
Max CSI in BC PANEL   8 -  9   0.85
Max CSI in Web        1 -  8   0.84

...Mem...    Ten      Comp      .CSI.
TC   OH- 1       93         0     0.54
      1- 2      149      3607     0.78
      2- 3      151      3023     0.69
      3- 4      114      1760     0.54
      4- 5      123      1591     0.57
      5- 6      102       158     0.56
      6-OH        0         7     0.00
BC   OH- 7        0         0     0.00
      7- 8        0       288     0.34
      8- 9     3359       137     0.85
      9-10     2768        83     0.69
     10-11     1540        67     0.44
     11-OH        0         0     0.00
Web   1- 7      134      2401     0.30
      1- 8     3428        81     0.84
      2- 8       87       586     0.09
      2- 9       60       655     0.37
      3- 9      388         0     0.09
      3-10      104      1534     0.34
      5-10     1070         0     0.26
      5-11      142      2285     0.63
      6-11       42       394     0.47
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  7     01-12  2468  115    05-08 03-14    SPF  531
 11  20-08-04  2143  102    03-08 03-06    SPF  531
Max Horiz =    -73 /   +297 at Joint   7
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 20-10-00 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

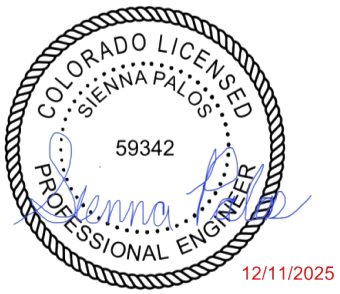
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.17)  8- 9
Vert DL   L/120   L/999(-0.06)  8- 9
Vert CR   L/180   L/999(-0.23)  8- 9
Horz LL   0.75in       ( 0.05) @Jt11
Horz CR   1.25in       ( 0.06) @Jt11
Ohng CR  2L/180  2L/722(-0.06)  1- 1
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    3-10  5-11
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-09,00-03), Jnt8(-00-08,0),
Jnt10(0,-01-00), Jnt11(0,00-08)



12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

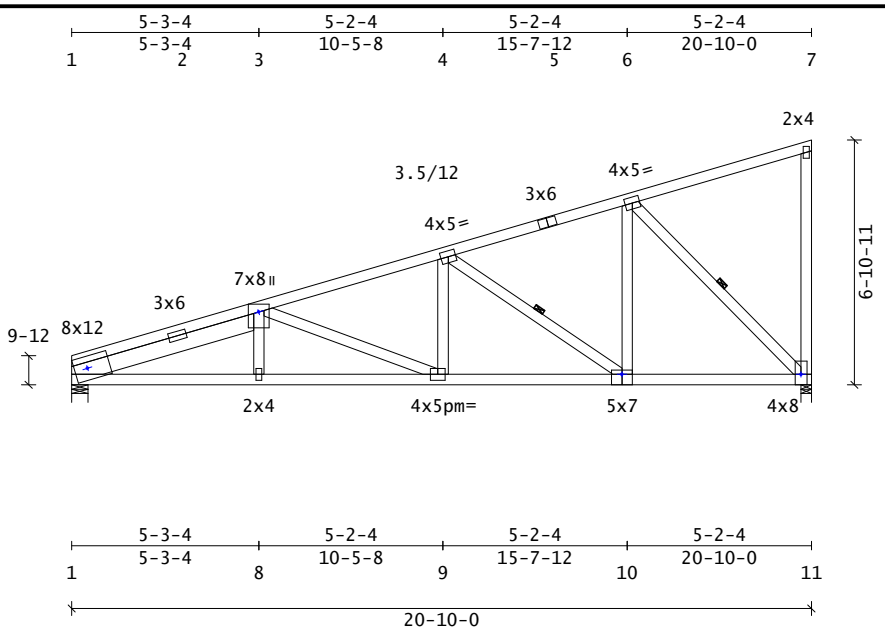
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T14A**

Customer: GREEN-R-PANEL

SID: 0003962975
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 116.0 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  #1/#2
        2x4   SPF  1650/1.5  5-7
BC      2x4   SPF  1650/1.5
        2x4   SPF  #1/#2 10-11
Webs    2x4   SPF  #1/#2
Slider  2x6   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   3 -  4   0.84
Max CSI in BC PANEL   1 -  8   0.89
Max CSI in Web        6 - 11   0.60

...Mem...    Ten      Comp      .CSI.
TC     1- 2      91     1823      0.70
       2- 3     105     1890      0.30
       3- 4     160     3375      0.84
       4- 5     112     1900      0.75
       5- 6     122     1748      0.69
       6- 7     103      157      0.68
       7-OH       0        7      0.00
BC     1- 8    3985      165      0.89
       8- 9    3985      167      0.79
       9-10    3126      106      0.52
      10-11    1667       58      0.48
      11-OH       0        0      0.00
Web    1- 2      68     2524      0.48
       2- 3      63     2348      0.45
       3- 8     223        0      0.05
       3- 9      65      917      0.49
       4- 9     448        0      0.11
       4-10     113     1747      0.36
       6-10    1120        0      0.27
       6-11     143     2367      0.60
       7-11      41      395      0.43
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc-  React -Up-  --Width-  -Reqd   -Mat  PSI
  1     02-12   2154   81    05-08 03-06    SPF  531
 11  20-08-04   2137  101    03-08 03-06    SPF  531
Max Horiz =    -64 /   +265 at Joint   1
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 20-10-00 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

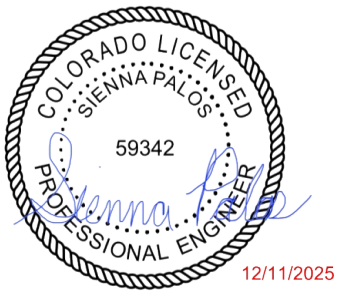
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/971(-0.25)  8- 9
Vert DL   L/120   L/999(-0.09)  8- 9
Vert CR   L/180   L/724(-0.34)  8- 9
Horz LL   0.75in       ( 0.08) @Jt11
Horz CR   1.25in       ( 0.10) @Jt11
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    4-10  6-11
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt3(0,-01-06), Jnt10(0,-01-00),
Jnt11(0,00-08), Jnt1(01-09,00-07)



12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

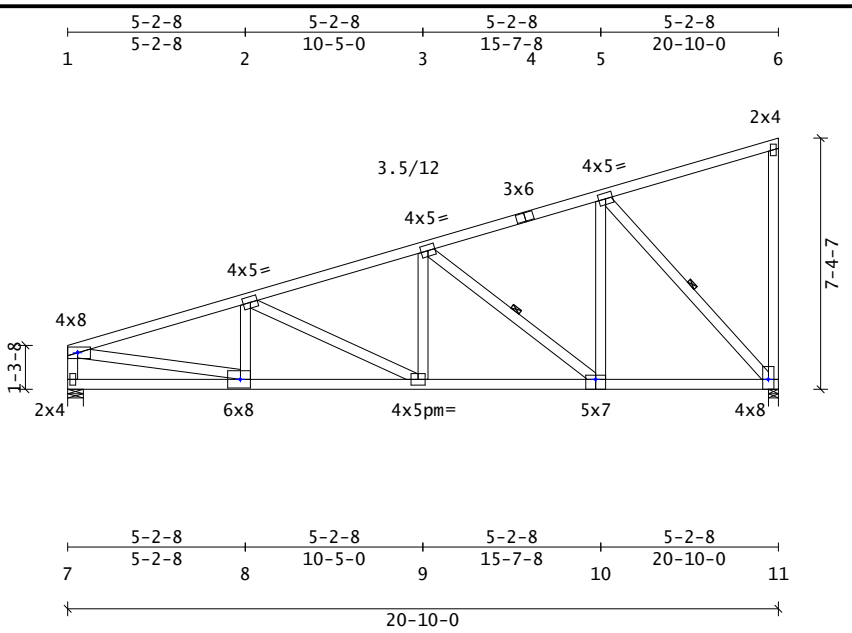
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T14B**

Customer: GREEN-R-PANEL

SID: 0003962976
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 111.3 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  1650/1.5
        2x4   SPF  2100/1.8  4-6
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.83
Max CSI in BC PANEL   8 -  9   0.85
Max CSI in Web        1 -  8   0.84

...Mem...    Ten      Comp      .CSI.
TC   OH- 1       7         0      0.00
      1- 2     154      3623      0.83
      2- 3     154      3029      0.71
      3- 4     114      1762      0.52
      4- 5     124      1608      0.56
      5- 6     102       158      0.55
      6-OH       0         7      0.00
BC   OH- 7       0         0      0.00
      7- 8       0       280      0.34
      8- 9    3377       145      0.85
      9-10    2773        85      0.70
     10-11    1542        67      0.44
     11-OH       0         0      0.00
Web   1- 7     104      2079      0.26
      1- 8    3447       106      0.84
      2- 8      92       590      0.09
      2- 9      66       670      0.38
      3- 9     395         0      0.09
      3-10     105      1538      0.34
      5-10    1072         0      0.26
      5-11     144      2288      0.63
      6-11      42       393      0.49
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  7     01-12  2145   79    05-08 03-06    SPF  531
 11  20-08-04  2145  103    03-08 03-06    SPF  531
Max Horiz =    -87 /   +288 at Joint   7
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 20-10-00 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.17)  8- 9
Vert DL   L/120   L/999(-0.06)  8- 9
Vert CR   L/180   L/999(-0.23)  8- 9
Horz LL   0.75in       ( 0.05) @Jt11
Horz CR   1.25in       ( 0.07) @Jt11
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    3-10  5-11
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-08,0), Jnt8(-00-08,0),
Jnt10(0,-01-00), Jnt11(0,00-08)

COLORADO LICENSED
SIENNA PALOS
59342
PROFESSIONAL ENGINEER

12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

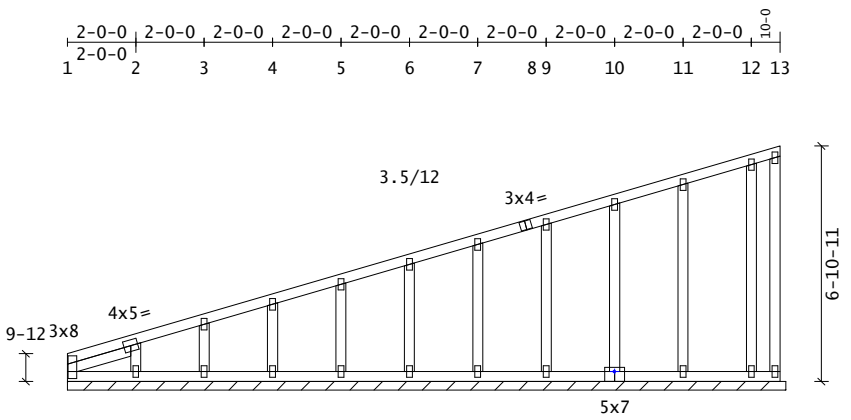
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T15**

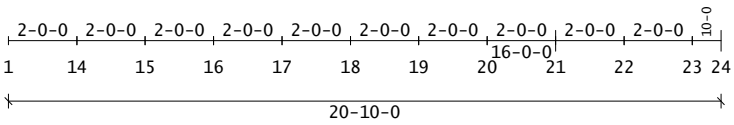
Customer: GREEN-R-PANEL

SID: 0003962977
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Typical plate: 2x4



Truss Weight = 110.5 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  #1/#2
BC      2x4   SPF  #1/#2
Webs    2x4   SPF  #1/#2
Slider  2x4   SPF  #1/#2
```

Member Forces Summary

```
Max CSI in TC PANEL    2 -  3   0.16
Max CSI in BC PANEL    1 - 14   0.15
Max CSI in Web        24 - 13   0.42

...Mem...    Ten      Comp      .CSI.
TC    1- 8     113      199      0.16
      8-13      51      116      0.15
BC    1-21     208      116      0.15
     21-24      87       56      0.03
Web   1- 2     108      165      0.07
      2-14      69      352      0.04
      3-15      54      391      0.05
      4-16      45      365      0.05
      5-17      48      369      0.06
      6-18      47      369      0.08
      7-19      47      369      0.11
      9-20      47      369      0.14
     10-21      47      366      0.17
     11-22      51      389      0.23
     12-23      32      271      0.19
     13-24      18       49      0.42
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc-  React -Up- --Width- -Reqd   -Mat  PSI
 15    4-00-00   434    29 21-00-02
 16    6-00-00   408    22 21-00-02
 17    8-00-00   413    24 21-00-02
 18   10-00-00   412    24 21-00-02
 19   12-00-00   412    24 21-00-02
 20   14-00-00   412    24 21-00-02
 21   16-00-00   409    23 21-00-02
 22   18-00-00   434    26 21-00-02
Max Horiz =    -64 /   +265 at Joint  18
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 24          45     0 21-00-02  (reduced)
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 20-10-00 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

If this truss is exposed to wind load perpendicular to the plane of the truss, gable studs must be braced according to the Construction Documents, BCSI-B3, or a gable stud bracing detail matching the design wind speed shown. Lateral bracing of the truss itself to resist out-of-plane wind load must be in accordance with the Construction Documents.
The maximum rake overhang length is 12.0".
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240  L/999(-0.00) 22-23
Vert DL   L/120  L/999(-0.00) 22-23
Vert CR   L/180  L/999(-0.00) 22-23
Horz LL   0.75in      ( 0.01) @Jt 1
Horz CR   1.25in      ( 0.01) @Jt 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

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

12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

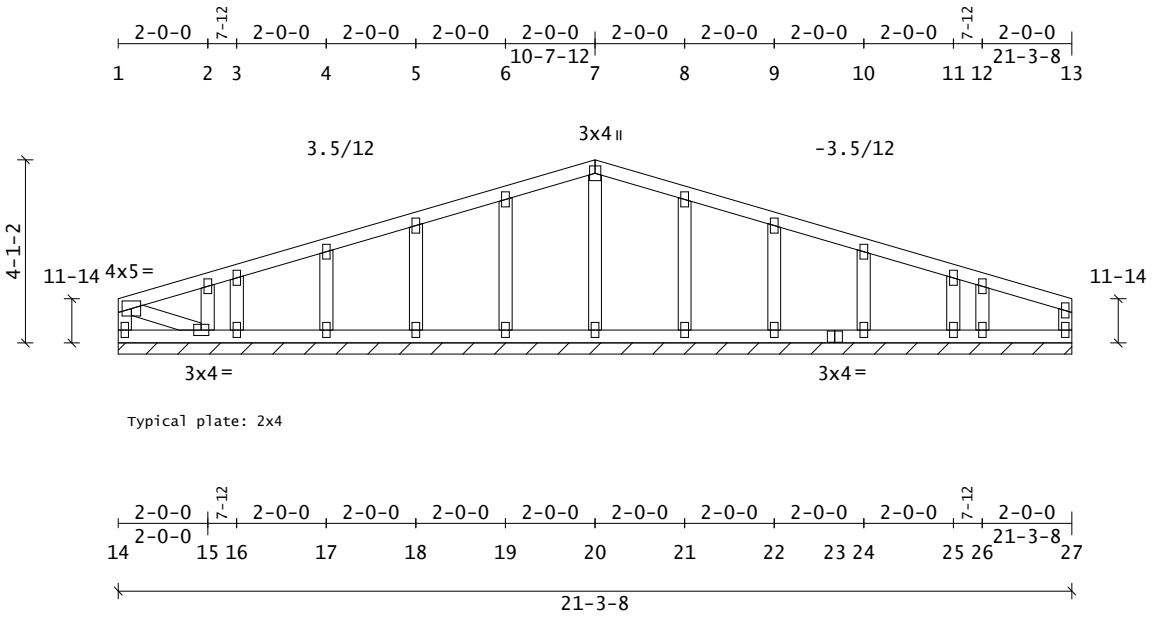
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T16**

Customer: GREEN-R-PANEL

SID: 0003962978
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Typical plate: 2x4

Truss Weight = 91.1 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC    80.0  13.0      Live  Wind  Snow
BC     0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL    5 -  6   0.17
Max CSI in BC PANEL   14 - 15   0.02
Max CSI in Web        19 -  6   0.11

...Mem...    Ten      Comp      .CSI.
TC     1- 7       84       69      0.17
       7-13       80       69      0.17
BC    14-23        0       38      0.02
      23-27        0        0      0.02
Web    1-14       31      236      0.03
       1-15       41       41      0.00
       2-15       33      358      0.04
       3-16       29      314      0.04
       4-17       48      521      0.07
       5-18       47      497      0.08
       6-19       47      543      0.11
       7-20        0      336      0.09
       8-21       47      543      0.11
       9-22       47      497      0.08
      10-24       48      521      0.07
      11-25       29      314      0.04
      12-26       33      358      0.04
      13-27       22      236      0.03
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt   --X-Loc-  React -Up-  --Width-  -Reqd   -Mat  PSI
 17    4-07-12    562    24  21-03-08
 18    6-07-12    537    24  21-03-08
 19    8-07-12    583    23  21-03-08
 21   12-07-12    584    23  21-03-08
 22   14-07-12    532    27  21-03-08
 24   16-07-12    551    31  21-03-08
Max Horiz =     -39 /     +39 at Joint  20
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt        React -Up-  --Width-
 14- 27           48     1  21-03-08  (reduced)
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 10-07-12 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

If this truss is exposed to wind load perpendicular to the plane of the truss, gable studs must be braced according to the Construction Documents, BCSI-B3, or a gable stud bracing detail matching the design wind speed shown. Lateral bracing of the truss itself to resist out-of-plane wind load must be in accordance with the Construction Documents.
The maximum rake overhang length is 12.0".
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
This truss is not symmetric - proper orientation is critical.

Deflection Summary

```
TrussSpan Limit  Actual(in)    Location
Vert LL   L/240   L/999(-0.00) 14-15
Vert DL   L/120   L/999(-0.00) 14-15
Vert CR   L/180   L/999(-0.00) 14-15
Horz LL   0.75in       ( 0.00) @Jt14
Horz CR   1.25in       ( 0.00) @Jt14
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

COLORADO LICENSED
SIENNA PALOS
59342
PROFESSIONAL ENGINEER

12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

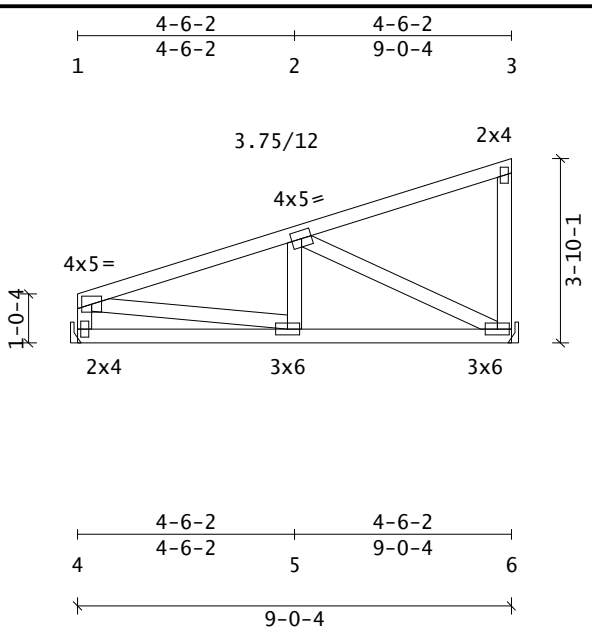
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T17**

Customer: GREEN-R-PANEL

SID: 0003962979
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 41.7 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.72
Max CSI in BC PANEL   5 -  6   0.33
Max CSI in Web        2 -  6   0.50

...Mem...    Ten      Comp      .CSI.
TC   OH- 1      8         0      0.00
       1- 2     58      1260      0.72
       2- 3     92       147      0.71
       3-OH      0         8      0.00
BC   OH- 4      0         0      0.00
       4- 5      0       128      0.26
       5- 6   1114        45      0.33
       6-OH      0         0      0.00
Web    1- 4     54       881      0.11
       1- 5   1131        24      0.27
       2- 5    186        99      0.04
       2- 6     90      1240      0.50
       3- 6     30       336      0.16
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  4     01-12   929   33    01-08  HGR     SPF  425
  6   8-10-08   929   49    01-08  HGR     SPF  425
Max Horiz =    -37 /   +128 at Joint   4
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 9-00-04 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

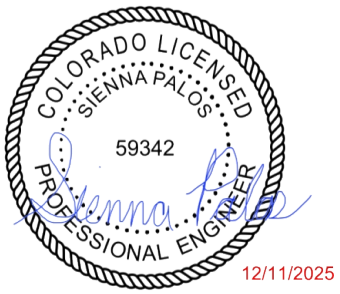
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240  L/999(-0.02)  4- 5
Vert DL   L/120  L/999(-0.02)  4- 5
Vert CR   L/180  L/999(-0.04)  4- 5
Horz LL   0.75in      ( 0.01) @Jt 6
Horz CR   1.25in      ( 0.01) @Jt 6
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)



12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

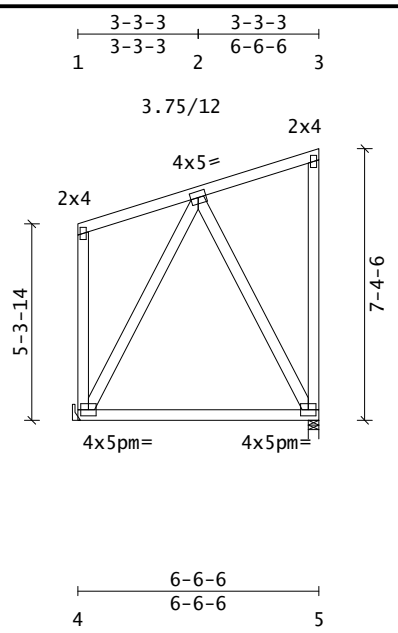
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T18**

Customer: GREEN-R-PANEL

SID: 0003962980
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 45.9 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC    80.0  13.0      Live  Wind  Snow
BC     0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.38
Max CSI in BC PANEL   4 -  5   0.64
Max CSI in Web        5 -  3   0.64

...Mem...    Ten     Comp     .CSI.
TC   OH- 1     8        0     0.00
       1- 2   105       64     0.38
       2- 3    73      106     0.36
       3-OH     0        8     0.00
BC   OH- 4     0        0     0.00
       4- 5   183      141     0.64
       5-OH     0        0     0.00
Web    1- 4    52      242     0.35
       2- 4   110      404     0.33
       2- 5   174      395     0.32
       3- 5    35      252     0.64
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  4     01-12   672   68    01-08  HGR     SPF  425
  5   6-04-10   672  150    03-08 01-08     SPF  531
Max Horiz =   -208 /   +275 at Joint   4
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 6-06-06 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

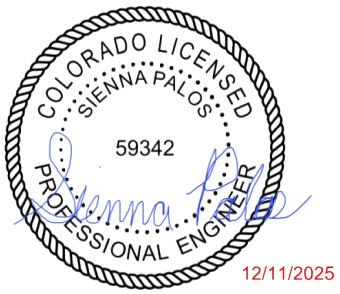
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/801(-0.09)  4- 5
Vert DL   L/120   L/801(-0.09)  4- 5
Vert CR   L/180   L/400(-0.19)  4- 5
Horz LL   0.75in       ( 0.00) @Jt 5
Horz CR   1.25in       ( 0.00) @Jt 5
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)



12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

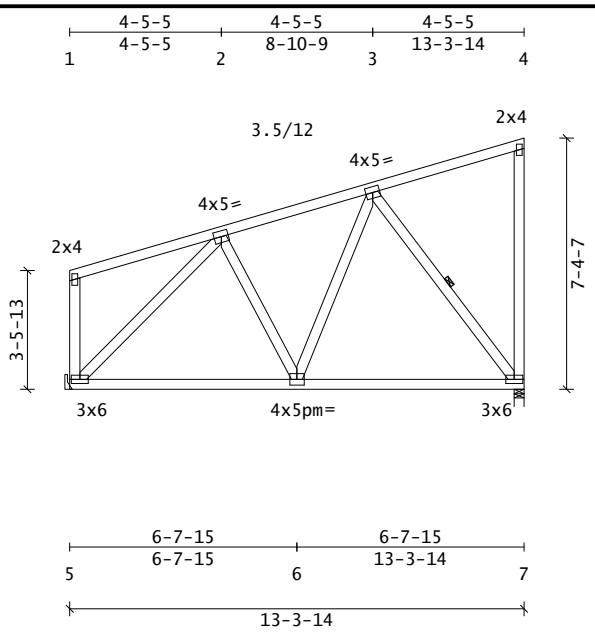
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 2** | **Truss: T19**

Customer: GREEN-R-PANEL

SID: 0003962981
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 72.3 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL   2 -  3   0.79
Max CSI in BC PANEL   5 -  6   0.54
Max CSI in Web        5 -  2   0.90

...Mem...    Ten      Comp      .CSI.
TC   OH- 1       7         0     0.00
       1- 2     131        88     0.77
       2- 3      99       991     0.79
       3- 4      89       134     0.79
       4-OH       0         7     0.00
BC   OH- 5       0         0     0.00
       5- 6     920       158     0.54
       6- 7     724       100     0.53
       7-OH       0         0     0.00
Web    1- 5      54       342     0.13
       2- 5      29      1335     0.90
       2- 6     120       172     0.07
       3- 6     335        10     0.08
       3- 7     110      1204     0.31
       4- 7      39       346     0.55
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  5     01-12  1372   44    01-08  HGR     SPF  425
  7  13-02-02  1372   75    03-08 02-02    SPF  531
Max Horiz =   -153 /   +281 at Joint   5
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 13-03-14 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240  L/999(-0.05)  6- 7
Vert DL   L/120  L/999(-0.05)  6- 7
Vert CR   L/180  L/999(-0.10)  6- 7
Horz LL   0.75in       ( 0.01) @Jt 7
Horz CR   1.25in       ( 0.02) @Jt 7
```

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
------- Web Bracing -- CLR -----------
Single:    3- 7
Continuous Restraint Bracing Req'd
See BCSI-B3 3.0
```

Plate offsets (X, Y):

(None unless indicated below)

COLORADO LICENSED SIENNA PALOS 59342 PROFESSIONAL ENGINEER

12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

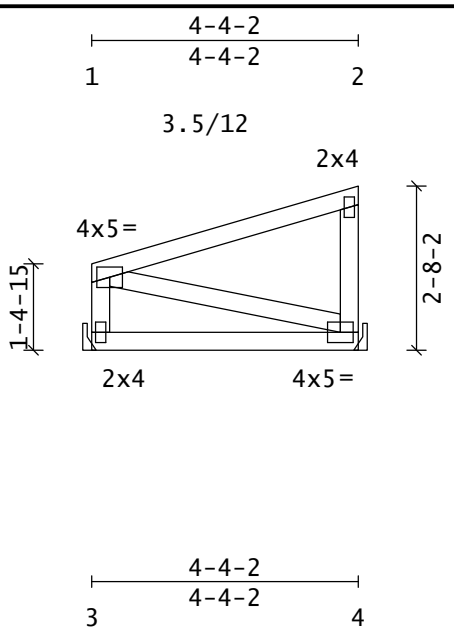
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 2** | **Truss: T20**

Customer: GREEN-R-PANEL

SID: 0003962982
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 21.0 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL    1 -  2   0.79
Max CSI in BC PANEL    3 -  4   0.31
Max CSI in Web         4 -  2   0.11

...Mem...    Ten      Comp      .CSI.
TC    OH- 1        7         0     0.00
       1- 2      104       104     0.79
       2-OH        0         7     0.00
BC    OH- 3        0         0     0.00
       3- 4        0        77     0.31
       4-OH        0         0     0.00
Web    1- 3       40       400     0.05
       1- 4       61        35     0.03
       2- 4       47       400     0.11
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  3     01-12   447   14    01-08  HGR     SPF  425
  4   4-02-06   447   29    01-08  HGR     SPF  425
Max Horiz =    -45 /    +87 at Joint   3
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 4-04-02 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

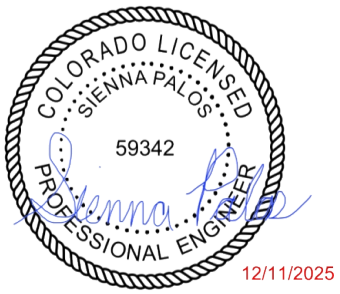
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240  L/999(-0.02)  3- 4
Vert DL   L/120  L/999(-0.02)  3- 4
Vert CR   L/180  L/999(-0.03)  3- 4
Horz LL   0.75in       ( 0.00) @Jt 4
Horz CR   1.25in       ( 0.00) @Jt 4
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)



12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

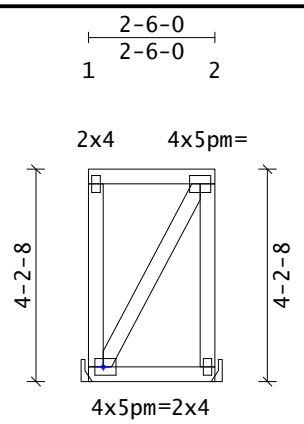
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T21**

Customer: GREEN-R-PANEL

SID: 0003962983
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 21.7 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL    1 -  2   0.20
Max CSI in BC PANEL    3 -  4   0.09
Max CSI in Web         3 -  1   0.22

...Mem...    Ten      Comp      .CSI.
TC   OH- 1     0         0      0.00
       1- 2    0        32      0.20
       2-OH    0         0      0.00
BC   OH- 3     0         0      0.00
       3- 4    0        32      0.09
       4-OH    0         0      0.00
Web    1- 3   28       230      0.22
       2- 3  146       146      0.05
       2- 4  156       230      0.22
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  3     01-12   257  141    01-08  HGR     SPF  425
  4   2-04-04   257  141    01-08  HGR     SPF  425
Max Horiz =   -144 /   +144 at Joint   3
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 1-03-00 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.
Less than 0.25/12 pitch requires adequate drainage to prevent ponding.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240  L/999(-0.00)  3- 4
Vert DL   L/120  L/999(-0.00)  3- 4
Vert CR   L/180  L/999(-0.00)  3- 4
Horz LL   0.75in       ( 0.00) @Jt 4
Horz CR   1.25in       ( 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)
Jnt3(00-08,0)

12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

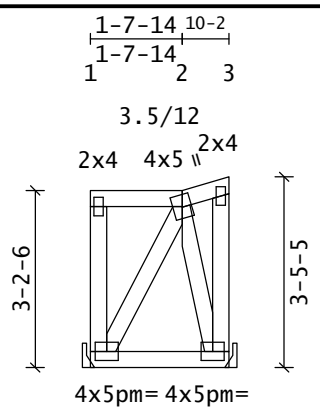
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: T22**

Customer: GREEN-R-PANEL

SID: 0003962984
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 22.6 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL    1 -  2   0.07
Max CSI in BC PANEL    4 -  5   0.09
Max CSI in Web         4 -  1   0.12

...Mem...    Ten      Comp      .CSI.
TC   OH- 1     0         0      0.00
       1- 2    0        23      0.07
       2- 3   38        33      0.02
       3-OH    0         7      0.00
BC   OH- 4     0         0      0.00
       4- 5   40        46      0.09
       5-OH    0         0      0.00
Web    1- 4   18       155      0.12
       2- 4   77        85      0.03
       2- 5   85       167      0.04
       3- 5   19        80      0.12
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  4     01-12   257   76    01-08  HGR     SPF  425
  5   2-04-04   257   85    01-08  HGR     SPF  425
Max Horiz =   -106 /   +115 at Joint   4
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 2-06-00 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.
Less than 0.25/12 pitch requires adequate drainage to prevent ponding.

Deflection Summary

```
TrussSpan Limit  Actual(in)    Location
Vert LL   L/240  L/999(-0.00)  4- 5
Vert DL   L/120  L/999(-0.00)  4- 5
Vert CR   L/180  L/999(-0.00)  4- 5
Horz LL   0.75in       ( 0.00) @Jt 5
Horz CR   1.25in       ( 0.00) @Jt 5
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

COLORADO LICENSED
SIENNA PALOS
59342
PROFESSIONAL ENGINEER

12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

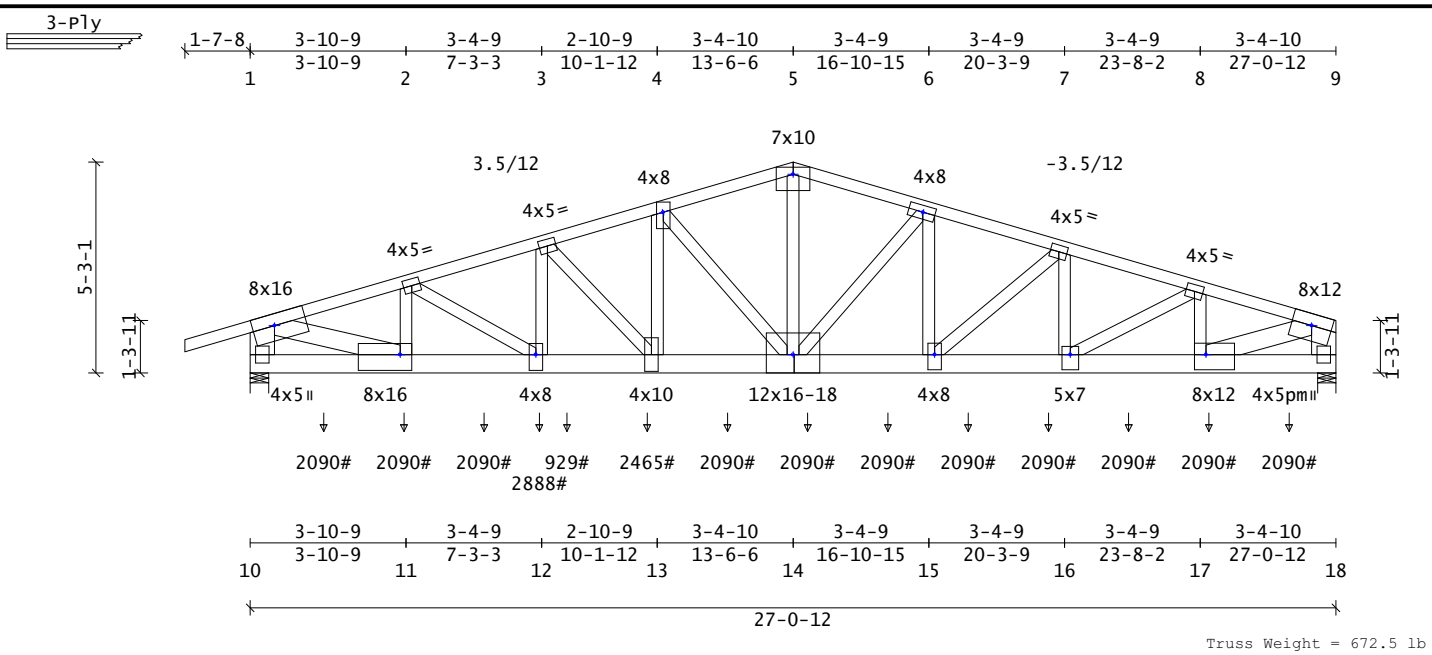
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: TG1**

Customer: GREEN-R-PANEL

SID: 0003962985
TID: 299093
Date: 12 / 12 / 25
Page: 1 of 2

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 672.5 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC    80.0  13.0      Live  Wind  Snow
BC     0.0  10.0  Lum 1.25  1.60  1.15
Total     103.0  Plt 1.25  1.60  1.15
Spacing:  1-00-00 o.c.    Plies: 3
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

```
TC      2x4   SPF  2100/1.8
        2x4   SPF  1650/1.5  5-9
BC      2x6   SPF  1950/1.7
Webs    2x4   SPF  #1/#2
        2x8   SPF  #1/#2 10-1 18-9
        2x6   SPF  1950/1.7  1-11
        2x4   SPF  1650/1.5 14-5
        2x6   SPF  1650/1.5 17-9
```

Member Forces Summary

```
Max CSI in TC PANEL    7 -  8   0.89
Max CSI in BC PANEL   11 - 12   0.89
Max CSI in Web        17 -  9   0.81

...Mem...    Ten      Comp      .CSI.
TC    OH- 1       50         0     0.08
        1- 2     1330     26561     0.72
        2- 3     1580     30033     0.85
        3- 4     1434     27537     0.69
        4- 5     1137     23110     0.50
        5- 6     1141     23184     0.60
        6- 7     1242     26602     0.83
        7- 8     1254     27952     0.89
        8- 9     1021     23451     0.66
        9-OH        7         0     0.00
BC    OH-10         0         0     0.00
       10-11        0        36     0.32
       11-12    25440      1253     0.89
       12-13    28798      1477     0.76
       13-14    26388      1320     0.83
       14-15    25485      1136     0.77
       15-16    26801      1167     0.83
       16-17    22463       960     0.79
       17-18        0         2     0.25
       18-OH        0         0     0.00
Web    1-10       765     15033     0.33
       1-11     26441      1297     0.67
       2-11       236      3261     0.14
       2-12      3980       262     0.32
       3-12      3951       405     0.29
       3-13       321      4356     0.20
       4-13      6635       399     0.54
       4-14       455      7341     0.37
       5-14     12396       590     0.67
       6-14       174      5916     0.29
       6-15      5272       133     0.43
       7-15       826      2963     0.13
       7-16      2229       815     0.16
       8-16      4982       237     0.40
       8-17       215      3938     0.16
       9-17     23650      1015     0.81
...Mem...    Ten      Comp      .CSI.
       9-18      619     14160     0.31
```

Reaction Summary

```
-------------Reaction Summary(Lbs)----------------
Jnt   --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
 10      03-10 16315  799     05-08 08-09**  SPF  460
 18   26-09-02 15904  671     05-08 08-05**  SPF  460
Max Horiz =    -28 /    +40 at Joint  10
(**) indicates Reqd Width > actual Width; enhancement may be required.
Building Designer to provide adequate bearing size or enhancement.
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 13-06-06 are based on 1.00 full and 0.00 reduced load factors.

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

Mbr	Max	Min	Location	Dir	Description
Transfer loads:					
BC	2090	-76	1-10-00	Vert	T4 @ -90 Deg
BC	2090	-76	3-10-00	Vert	T4 @ -90 Deg
BC	2090	-76	5-10-00	Vert	T4 @ -90 Deg
BC	2888	-245	7-02-08	Vert	AT1 @ -90 Deg
BC	929	-34	7-10-12	Vert	T17 @ -90 Deg
BC	2465	-226	9-10-12	Vert	AT2 @ -90 Deg
BC	2090	-76	11-10-12	Vert	T4 @ -90 Deg
BC	2090	-76	13-10-12	Vert	T4 @ -90 Deg
BC	2090	-76	15-10-12	Vert	T4 @ -90 Deg
BC	2090	-76	17-10-12	Vert	T4 @ -90 Deg
BC	2090	-76	19-10-12	Vert	T4 @ -90 Deg
BC	2090	-76	21-10-12	Vert	T4 @ -90 Deg
BC	2090	-76	23-10-12	Vert	T4 @ -90 Deg
BC	2090	-76	25-10-12	Vert	T4 @ -90 Deg

3-PLY TRUSS Fastener Spacing
Fasten through all plys as follows (rows staggered):
TC 2x4, 1-row(s) of Simpson SDS25412 Screws @ 24.0" o.c.
BC 2x6, 2-row(s) of Simpson SDS25412 Screws @ 24.0" o.c.**
WB 2x4, 1-row(s) of Simpson SDS25412 Screws @ 9.0" o.c.
WB 2x6, 2-row(s) of Simpson SDS25412 Screws @ 9.0" o.c.
WB 2x8, 2-row(s) of Simpson SDS25412 Screws @ 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: 1-10-00, 3, BC: 3-10-00, 3, BC: 5-10-00, 3
BC: 7-06-10, 7, BC: 9-10-12, 4, BC:11-10-12, 3
BC:13-10-12, 3, BC:15-10-12, 3, BC:17-10-12, 3
BC:19-10-12, 3, BC:21-10-12, 3, BC:23-10-12, 3
BC:25-10-12, 3

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/574(-0.55) 13-14
Vert DL   L/120   L/999(-0.16) 13-14
Vert CR   L/180   L/445(-0.71) 13-14
Horz LL   0.75in       ( 0.11) @Jt18
Horz CR   1.25in       ( 0.15) @Jt18
Ohng CR  2L/180  2L/999(-0.01)  1- 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(01-09,-00-01), Jnt4(0,-00-15), Jnt5(0,-01-05), Jnt6(-00-05,00-02), Jnt9(-00-02,-00-08), Jnt11(-04-08,-00-11), Jnt12(0,-00-12), Jnt14(0,00-08), Jnt15(0,-00-09), Jnt16(0,-01-01), Jnt17(02-08,-00-09)

12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

EngDrwg: 2021r5RGT_Eng

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.

12/11/2025

SIMPSON StrongTie

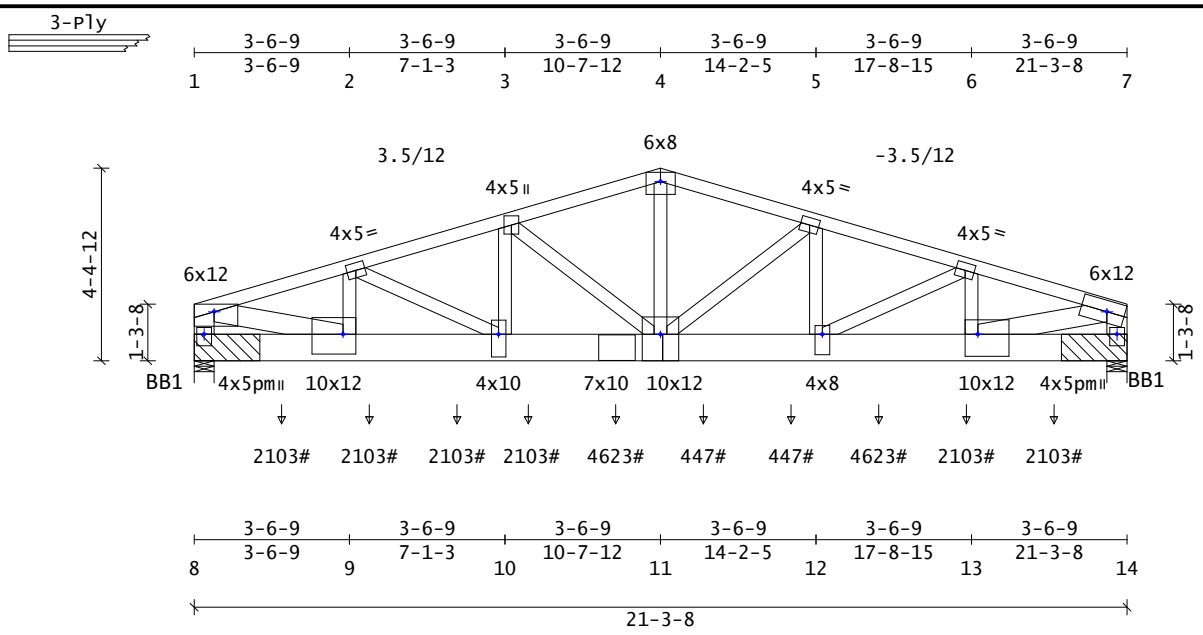
Component Solutions
Truss Studio V
2025.3.0.104

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: TG2**

Customer: GREEN-R-PANEL

SID: 0003962986
TID: 299093
Date: 12 / 12 / 25
Page: 1 of 2

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 521.5 lb

Code/Design: IBC-2021/TPI-2014

PSF	Live	Dead	Dur Factors		
TC	80.0	13.0	Live	Wind	Snow
BC	0.0	10.0 Lum	1.25	1.60	1.15
Total	103.0	Plt	1.25	1.60	1.15

Spacing: 1-00-00 o.c. Plies: 3
Repetitive Member Increase: Yes
Green Lumber: No Wet Service: No
Fab Tolerance: 20% Creep (Kcr) = 2.0
OH Soffit Load: 2.0 psf

----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin): No
Unbalanced Snow Loads: Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00

----------Wind Load Specs----------
ASCE7-16 Wind Speed(V) = 115 mph
Risk Cat: II Exposure Cat: C
Bldg Dims: L = 60.0 ft B = 40.0 ft
M.R.H(h)= 40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 7.8 BC = 6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00

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

Material Summary

TC	2x4	SPF	1650/1.5	
	2x4	SPF	#1/#2	4-7
BC	2x8	SPF	1950/1.7	
Webs	2x4	SPF	#1/#2	
	2x6	SPF	#1/#2	8-1 14-7
	2x6	SPF	1650/1.5	1-9 13-7

Member Forces Summary

Max CSI in TC PANEL 5 - 6 0.94
Max CSI in BC PANEL 12 - 13 0.75
Max CSI in Web 4 - 11 0.80

...Mem...		Ten	Comp	.CSI.
TC	OH- 1	8	0	0.00
	1- 2	951	20142	0.50
	2- 3	1187	22426	0.63
	3- 4	1069	18259	0.39
	4- 5	1077	18400	0.63
	5- 6	1257	21499	0.94
	6- 7	1161	20775	0.87
	7-OH	8	0	0.00
BC	OH- 8	0	0	0.00
	8- 9	0	19	0.20
	9-10	19290	896	0.52
	10-11	21471	1100	0.70
	11-12	20583	1167	0.41
	12-13	19897	1098	0.75
	13-14	0	0	0.19
	14-OH	0	0	0.00
Web	1- 8	526	11075	0.30
	1- 9	19993	929	0.69
	2- 9	169	2161	0.09
	2-10	2466	235	0.20
	3-10	4461	148	0.36
	3-11	157	5773	0.27
	4-11	9770	552	0.80
	5-11	713	5131	0.24
	5-12	4351	646	0.32
	6-12	2430	1469	0.18
	6-13	711	1877	0.07
	7-13	20622	1138	0.71
	7-14	641	11421	0.31

Reaction Summary

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

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
8	02-12	12346	564	05-08	06-07**	SPF	460
14	21-00-12	12883	676	05-08	06-12**	SPF	460

Max Horiz = -19 / +19 at Joint 8
(**) indicates Reqd Width > actual Width; enhancement may be required.

Attach bearing block BB1, 2x8x18" SPF #2 (or better), to one face of the bottom chord w/ (8) Simpson SDS25600 screws . See ICC-ES Report ESR-2236 for minimum spacing, edge distance, and end distance requirements for SDS screws. Attach the block to the non-load face.

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 10-07-12 are based on 1.00 full and 0.00 reduced load factors.

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

Mbr	Max	Min	Location	Dir	Description
Transfer loads:					
BC	2103	-76	2-00-00	Vert	T11A @ 90 Deg
BC	2103	-77	4-00-00	Vert	T13 @ 90 Deg
BC	2103	-77	6-00-00	Vert	T13 @ 90 Deg
BC	2103	-77	7-07-08	Vert	T13 @ 90 Deg
BC	4623	-413	9-07-08	Vert	AT5 @ 90 Deg
BC	447	-14	11-07-08	Vert	T20 @ 90 Deg
BC	447	-14	13-07-08	Vert	T20 @ 90 Deg
BC	4623	-413	15-07-08	Vert	AT5 @ 90 Deg
BC	2103	-77	17-07-08	Vert	T13 @ 90 Deg
BC	2103	-77	19-07-08	Vert	T13 @ 90 Deg

User Distributed Loads (plf)

Mbr	Load	Uplift	Start	Load	Uplift	End	Dir	Description
TC	25.0	0	2-07-02	25.0	0	8-02-02	Vert	
Solar panel load @ 90 Deg								
TC	25.0	0	13-01-06	25.0	0	18-08-06	Vert	
Solar panel load @ 90 Deg								

3-PLY TRUSS Fastener Spacing
Fasten through all plys as follows (rows staggered):
TC 2x4, 1-row(s) of Simpson SDS25412 Screws @ 24.0" o.c.
BC 2x8, 2-row(s) of Simpson SDS25412 Screws @ 24.0" o.c.**
WB 2x4, 1-row(s) of Simpson SDS25412 Screws @ 9.0" o.c.
WB 2x6, 2-row(s) of Simpson SDS25412 Screws @ 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: 2-00-00, 3, BC: 4-00-00, 3, BC: 6-00-00, 3
BC: 7-07-08, 3, BC: 9-07-08, 9, BC:15-07-08, 9
BC:17-07-08, 3, BC:19-07-08, 3

Deflection Summary

Truss	Span	Limit	Actual(in)	Location
Vert LL		L/240	L/715(-0.35)	10-11
Vert DL		L/120	L/999(-0.11)	10-11
Vert CR		L/180	L/549(-0.46)	10-11
Horz LL		0.75in	(0.05)	@Jt14
Horz CR		1.25in	(0.06)	@Jt14

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt1(00-08,-00-15), Jnt4(0,-00-08), Jnt7(-01-02,00-05), Jnt8(0,-00-10), Jnt9(-02-08,-00-06), Jnt10(0,-01-02), Jnt11(0,-01-04), Jnt12(0,-01-10), Jnt13(02-08,-01-00), Jnt14(0,-00-10)

COLORADO LICENSED SIENNA PALOS 59342 PROFESSIONAL ENGINEER

12/11/2025

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

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

EngDrwg: 2021r5RGT_Eng

Notes

Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.
This truss is not symmetric - proper orientation is critical.

12/11/2025

SIMPSON StrongTie

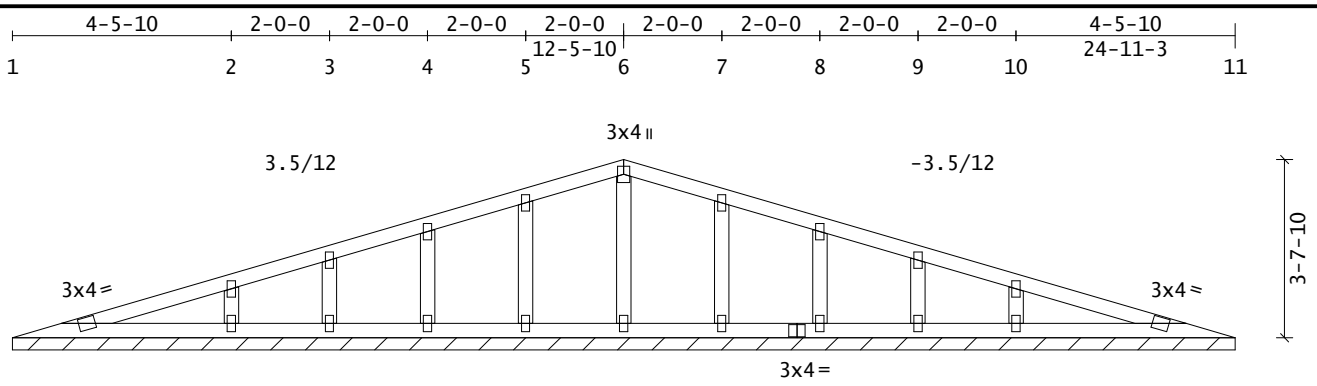
Component Solutions
Truss Studio V
2025.3.0.104

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: V1**

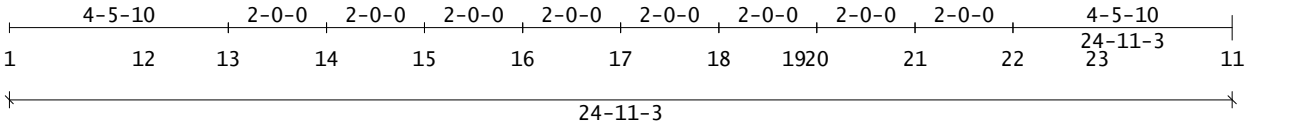
Customer: GREEN-R-PANEL

SID: 0003962987
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Typical plate: 2x4



Truss Weight = 81.1 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0   1.0  Lum 1.25  1.60  1.15
Total      94.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL    1 -  2   0.22
Max CSI in BC PANEL    1 - 12   0.05
Max CSI in Web        16 -  5   0.09

...Mem...    Ten     Comp     .CSI.
TC    1- 2     97       79     0.22
      2- 3     73       68     0.20
      3- 4     79       62     0.15
      4- 5     79       61     0.17
      5- 6     69       72     0.16
      6- 7     69       72     0.16
      7- 8     79       61     0.17
      8- 9     79       62     0.15
      9-10     73       68     0.20
     10-11     97       79     0.22
BC    1-12     37       22     0.05
     11-23     44       22     0.05
     12-13     37       22     0.01
     13-14     37       22     0.01
     14-15     37       22     0.01
     15-16     37       22     0.01
     16-17     37       22     0.01
     17-18     44       22     0.01
     18-19     44       22     0.01
     19-20     44       22     0.01
     20-21     44       22     0.01
     21-22     44       22     0.01
     22-23     44       22     0.01
Web   2-13     56      591     0.07
      3-14     45      484     0.06
      4-15     48      503     0.07
      5-16     48      542     0.09
      6-17      1      345     0.07
      7-18     48      542     0.09
      8-20     48      503     0.07
      9-21     45      484     0.06
     10-22     56      591     0.07
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
 13   4-07-12   594    55 24-11-03
 14   6-07-12   489    43 24-11-03
 15   8-07-12   507    46 24-11-03
 16  10-07-12   547    46 24-11-03
 18  14-07-12   546    46 24-11-03
 20  16-07-12   506    47 24-11-03
 21  18-07-12   489    43 24-11-03
 22  20-07-12   594    55 24-11-03
Max Horiz =    -40 /    +40 at Joint  17
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 11          16    4 24-11-03  (reduced)
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 12-07-12 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

Valley Truss application only.
If this truss is exposed to wind load perpendicular to the plane of the truss, gable studs must be braced according to the Construction Documents, BCSI-B3, or a gable stud bracing detail matching the design wind speed shown. Lateral bracing of the truss itself to resist out-of-plane wind load must be in accordance with the Construction Documents.
The maximum rake overhang length is 12.0".
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.

Deflection Summary

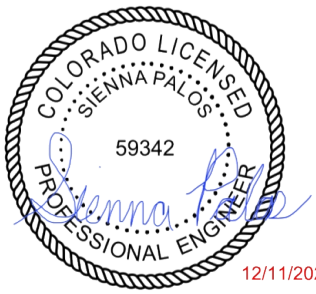
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240   L/999(-0.00) 20-21
Vert DL   L/120   L/999(-0.00) 20-21
Vert CR   L/180   L/999(-0.00) 20-21
Horz LL   0.75in       ( 0.00) @Jt 1
Horz CR   1.25in       ( 0.00) @Jt 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)



12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

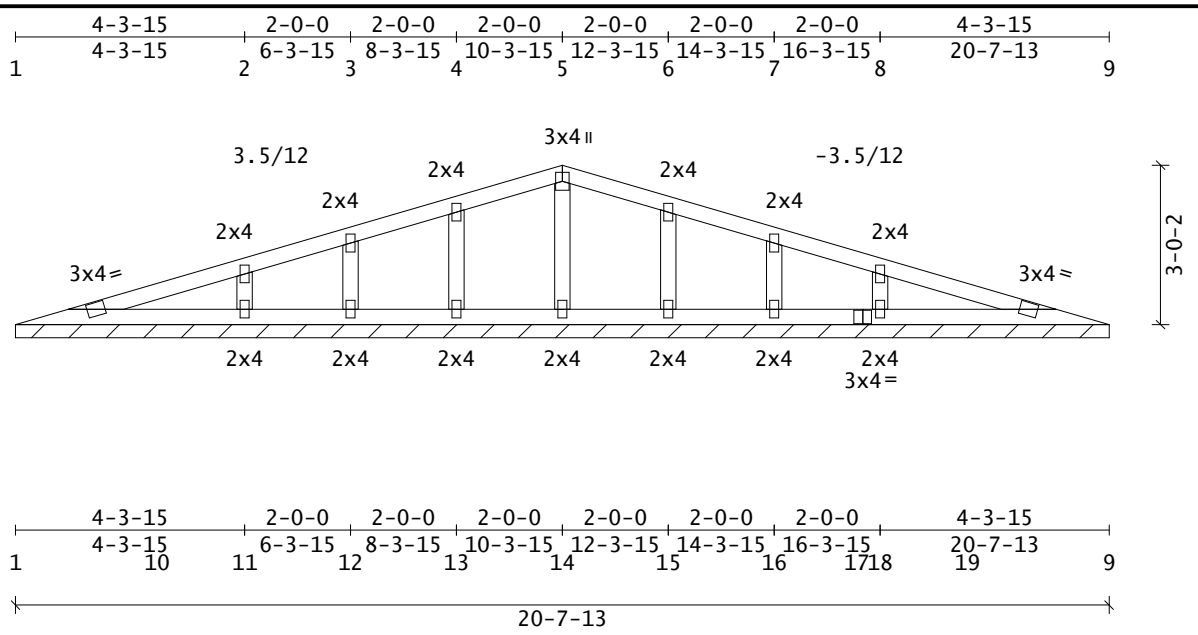
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: V2**

Customer: GREEN-R-PANEL

SID: 0003962988
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 63.1 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0   1.0  Lum 1.25  1.60  1.15
Total      94.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL    1 -  2   0.20
Max CSI in BC PANEL    1 - 10   0.07
Max CSI in Web        13 -  4   0.08

...Mem...    Ten     Comp     .CSI.
TC    1- 2     101      64     0.20
      2- 3      84      56     0.18
      3- 4      90      50     0.18
      4- 5      69      62     0.16
      5- 6      69      62     0.16
      6- 7      90      50     0.18
      7- 8      84      56     0.18
      8- 9     101      64     0.20
BC    1-10      30      19     0.07
      9-19      36      19     0.07
     10-11      30      19     0.01
     11-12      30      19     0.01
     12-13      30      19     0.01
     13-14      30      19     0.01
     14-15      36      19     0.01
     15-16      36      19     0.01
     16-17      36      19     0.01
     17-18      36      19     0.01
     18-19      36      19     0.01
Web   2-11      54     566     0.07
      3-12      46     483     0.06
      4-13      49     546     0.08
      5-14      10     346     0.06
      6-15      49     546     0.08
      7-16      46     483     0.06
      8-18      54     566     0.07
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc-  React -Up- --Width- -Reqd   -Mat  PSI
 11    4-06-01   568    53 20-07-13
 12    6-06-01   488    44 20-07-13
 13    8-06-01   551    47 20-07-13
 15   12-06-01   551    47 20-07-13
 16   14-06-01   488    44 20-07-13
 18   16-06-01   566    54 20-07-13
Max Horiz =    -32 /    +32 at Joint  14
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 9          32    5 20-07-13  (reduced)
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 10-06-01 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

Valley Truss application only.
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
This truss is not symmetric - proper orientation is critical.

Deflection Summary

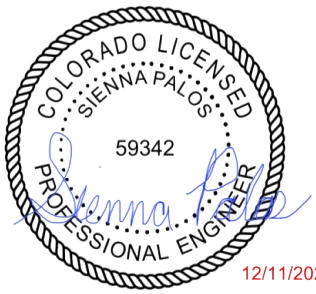
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240  L/999(-0.00) 15-16
Vert DL   L/120  L/999(-0.00) 11-12
Vert CR   L/180  L/999(-0.00) 11-12
Horz LL   0.75in      ( 0.00) @Jt 1
Horz CR   1.25in      ( 0.00) @Jt 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)



12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

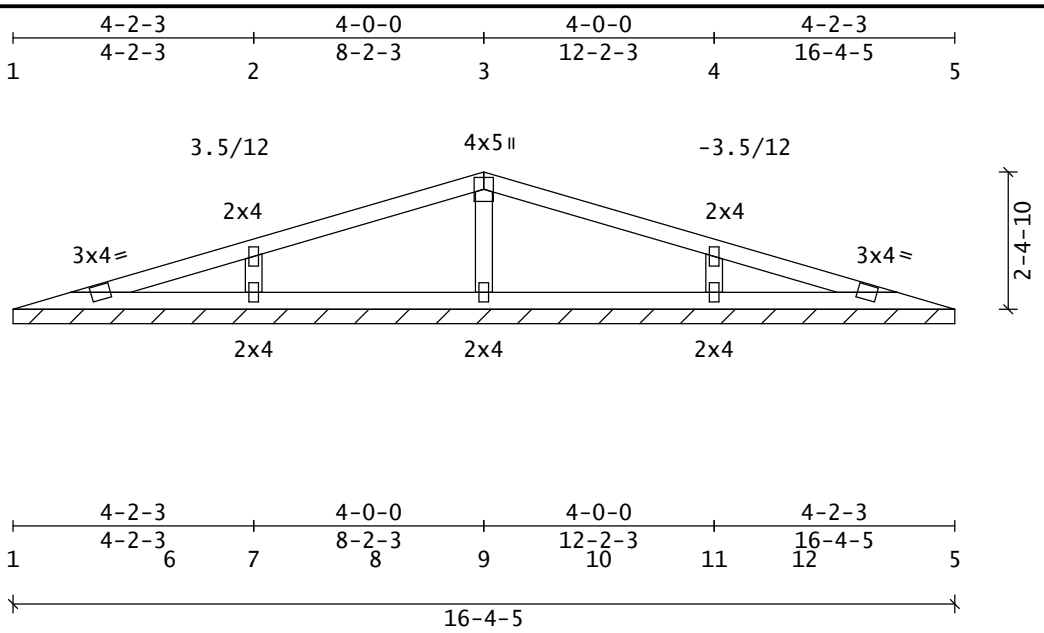
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: V3**

Customer: GREEN-R-PANEL

SID: 0003962989
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 41.0 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0   1.0  Lum 1.25  1.60  1.15
Total      94.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL   2 -  3   0.60
Max CSI in BC PANEL   1 -  6   0.10
Max CSI in Web        7 -  2   0.12

...Mem...    Ten     Comp     .CSI.
TC    1- 2     117      38     0.57
      2- 3     123     149     0.60
      3- 4     123     149     0.60
      4- 5     117      38     0.57
BC    1- 6      19      10     0.10
      5-12      26      10     0.10
      6- 7      19      10     0.01
      7- 8      19      10     0.01
      8- 9      19      10     0.01
      9-10      26      10     0.01
     10-11      26      10     0.01
     11-12      26      10     0.01
Web   2- 7      88     955     0.12
      3- 9      64     702     0.10
      4-11      88     955     0.12
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  7   4-04-05   954    86 16-04-05
  9   8-04-05   712    63 16-04-05
 11  12-04-05   954    86 16-04-05
Max Horiz =    -24 /    +24 at Joint   9
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 5          27    5 16-04-05  (reduced)
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 8-04-05 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

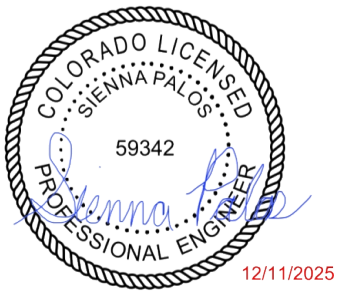
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240  L/999(-0.00)  7- 8
Vert DL   L/120  L/999(-0.00)  7- 8
Vert CR   L/180  L/999(-0.00)  7- 8
Horz LL   0.75in      ( 0.00) @Jt 1
Horz CR   1.25in      ( 0.00) @Jt 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)



12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

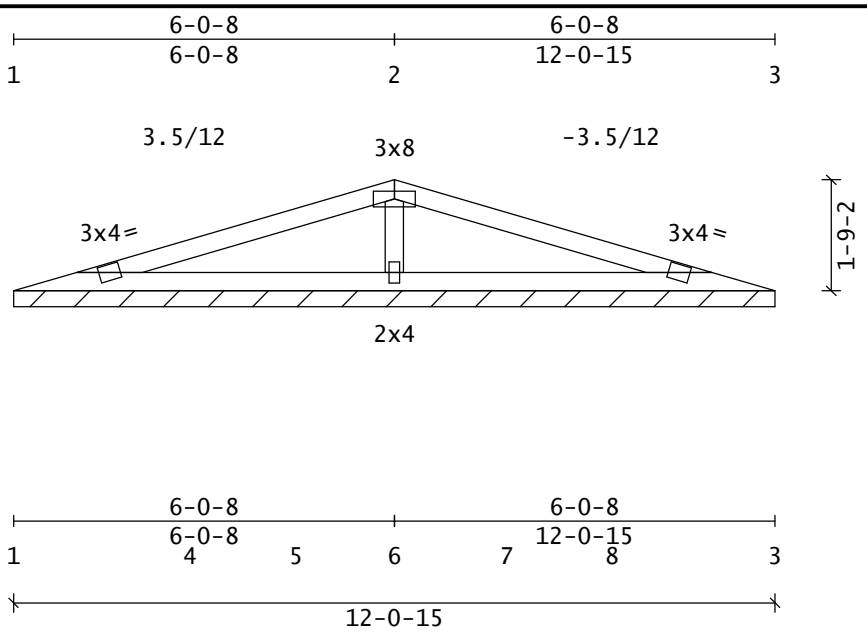
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: V4**

Customer: GREEN-R-PANEL

SID: 0003962990
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 27.5 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0   1.0  Lum 1.25  1.60  1.15
Total      94.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.63
Max CSI in BC PANEL   1 -  4   0.06
Max CSI in Web        6 -  2   0.08

...Mem...    Ten     Comp     .CSI.
TC    1- 2     42      279     0.63
      2- 3     42      279     0.63
BC    1- 4    134        7     0.06
      3- 8    134        4     0.06
      4- 5    134        7     0.03
      5- 6    134        7     0.03
      6- 7    134        4     0.03
      7- 8    134        4     0.03
Web   2- 6     66      640     0.08
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  6   6-02-10   648    65 12-00-15
Max Horiz =    -16 /    +16 at Joint   6
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 3          134    14 12-00-15  (reduced)
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 6-02-10 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

Valley Truss application only.
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Lumber and plating have been applied symmetrically.

Deflection Summary

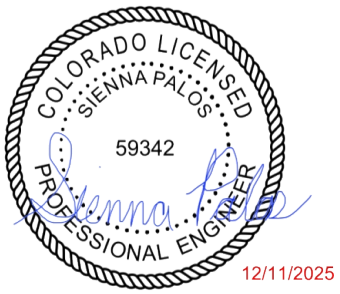
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240  L/999(-0.00)  4- 5
Vert DL   L/120  L/999(-0.00)  4- 5
Vert CR   L/180  L/999(-0.00)  4- 5
Horz LL   0.75in       ( 0.00) @Jt 3
Horz CR   1.25in       ( 0.00) @Jt 3
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)



12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

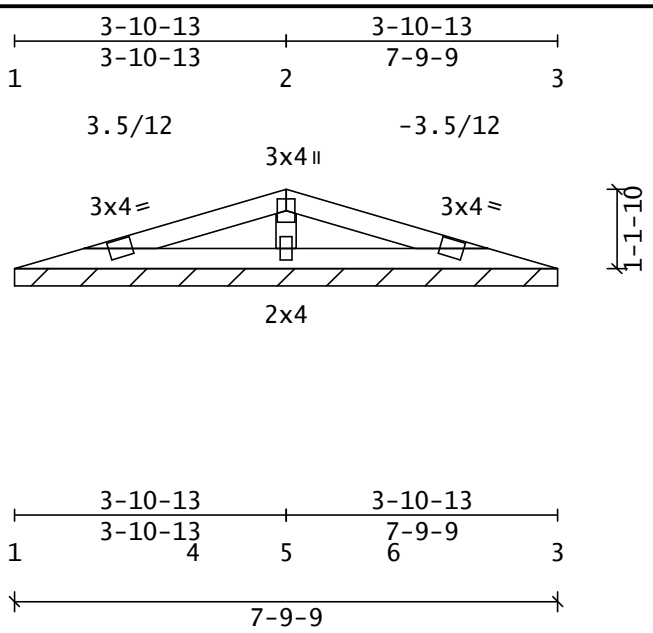
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: V5**

Customer: GREEN-R-PANEL

SID: 0003962991
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 16.6 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0   1.0  Lum 1.25  1.60  1.15
Total      94.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.14
Max CSI in BC PANEL   1 -  4   0.07
Max CSI in Web        5 -  2   0.04

...Mem...    Ten     Comp     .CSI.
TC    1- 2     123      42     0.14
      2- 3     123      42     0.14
BC    1- 4      24      79     0.07
      3- 6      24      79     0.07
      4- 5      24      79     0.01
      5- 6      24      79     0.01
Web   2- 5      42     374     0.04
```

Reaction Summary

```
Max Horiz =     -8 /     +8 at Joint   5
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1-  3         188   20  7-09-09
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 4-00-15 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

Valley Truss application only.
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Lumber and plating have been applied symmetrically.

Deflection Summary

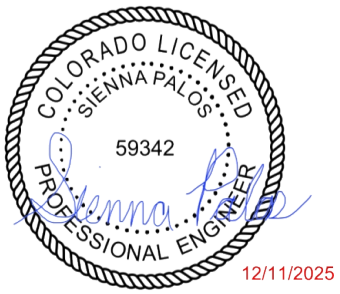
```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240  L/999(-0.00)  4- 5
Vert DL   L/120  L/999(-0.00)  5- 6
Vert CR   L/180  L/999(-0.00)  5- 6
Horz LL   0.75in       ( 0.00) @Jt 1
Horz CR   1.25in       ( 0.00) @Jt 1
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)



12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

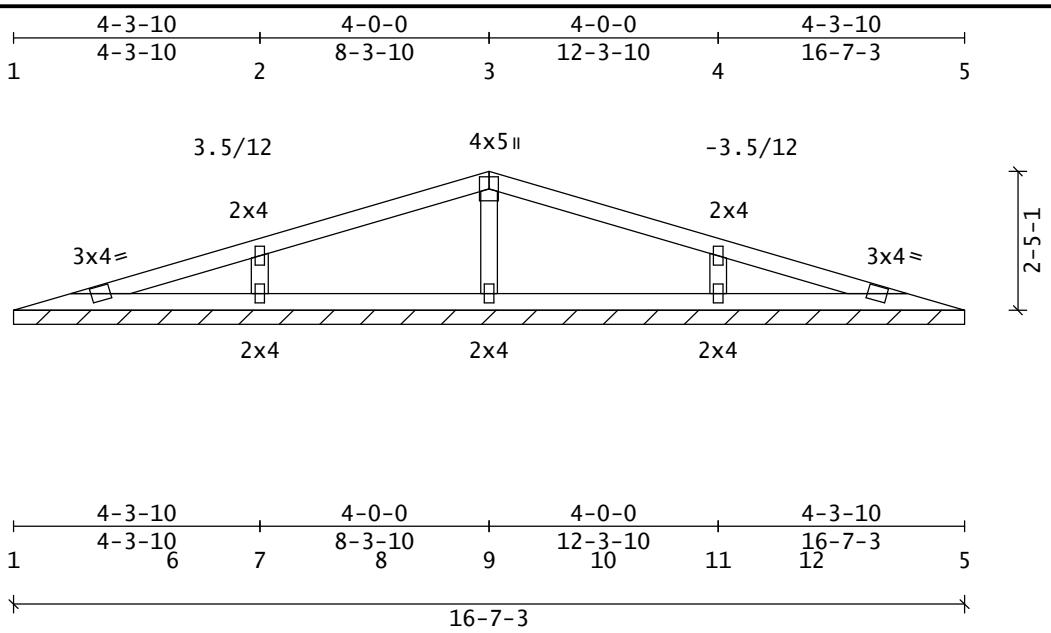
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado | **Qty: 1** | **Truss: V6**

Customer: GREEN-R-PANEL

SID: 0003962992
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 41.7 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0   1.0  Lum 1.25  1.60  1.15
Total      94.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL   2 -  3   0.60
Max CSI in BC PANEL   1 -  6   0.10
Max CSI in Web        7 -  2   0.12

...Mem...    Ten     Comp     .CSI.
TC    1- 2     117      47     0.58
      2- 3     120     152     0.60
      3- 4     120     152     0.60
      4- 5     117      47     0.58
BC    1- 6      19      12     0.10
      5-12      26      12     0.10
      6- 7      19      12     0.01
      7- 8      19      12     0.01
      8- 9      19      12     0.01
      9-10      26      12     0.01
     10-11      26      12     0.01
     11-12      26      12     0.01
Web   2- 7      89     963     0.12
      3- 9      64     699     0.10
      4-11      89     963     0.12
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  7   4-05-12   964    87 16-07-03
  9   8-05-12   709    62 16-07-03
 11  12-05-12   964    87 16-07-03
Max Horiz =    -25 /    +25 at Joint   9
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 5           29     5 16-07-03  (reduced)
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 8-05-12 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

Valley Truss application only.
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Lumber and plating have been applied symmetrically.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240  L/999(-0.00) 10-11
Vert DL   L/120  L/999(-0.00) 10-11
Vert CR   L/180  L/999(-0.00) 10-11
Horz LL   0.75in      ( 0.00) @Jt 5
Horz CR   1.25in      ( 0.00) @Jt 5
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

COLORADO LICENSED
SIENNA PALOS
59342
PROFESSIONAL ENGINEER

12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

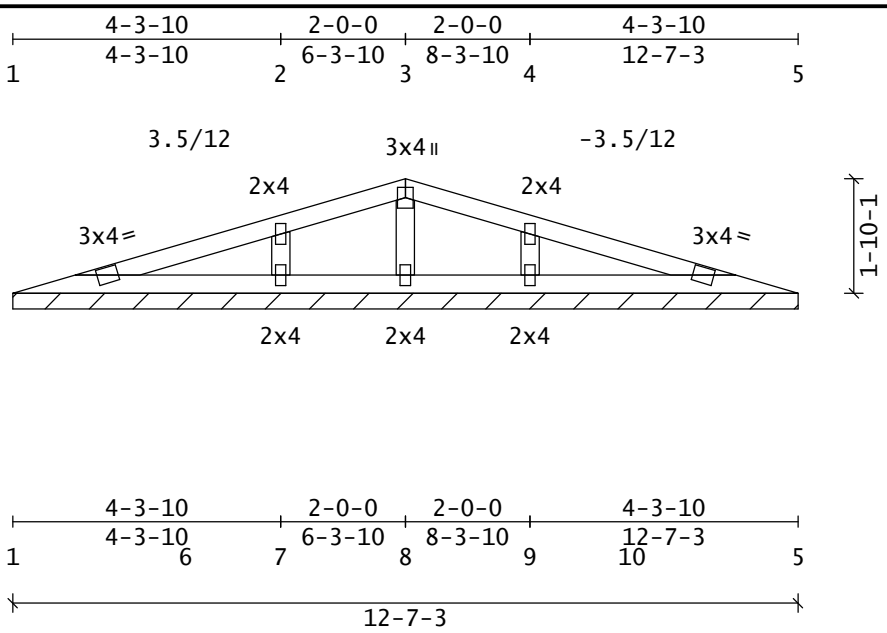
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado	Qty: 1	Truss: V7

Customer: GREEN-R-PANEL

SID: 0003962993
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 31.7 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0   1.0  Lum 1.25  1.60  1.15
Total      94.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.22
Max CSI in BC PANEL   1 -  6   0.06
Max CSI in Web        7 -  2   0.07

...Mem...    Ten      Comp      .CSI.
TC    1- 2     122       41      0.22
      2- 3      86       44      0.20
      3- 4      86       44      0.20
      4- 5     122       41      0.22
BC    1- 6      19       41      0.06
      5-10      21       41      0.06
      6- 7      19       41      0.01
      7- 8      19       41      0.01
      8- 9      21       41      0.01
      9-10      21       41      0.01
Web   2- 7      56      599      0.07
      3- 8      26      342      0.04
      4- 9      56      599      0.07
```

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt  --X-Loc- React -Up- --Width- -Reqd   -Mat  PSI
  7   4-05-12   600    54 12-07-03
  9   8-05-12   600    54 12-07-03
Max Horiz =    -17 /    +17 at Joint   8
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 5          92    11 12-07-03  (reduced)
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 6-05-12 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

Valley Truss application only.
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Lumber and plating have been applied symmetrically.

Deflection Summary

```
TrussSpan Limit  Actual(in)   Location
Vert LL   L/240  L/999(-0.00)  8- 9
Vert DL   L/120  L/999(-0.00)  8- 9
Vert CR   L/180  L/999(-0.00)  8- 9
Horz LL   0.75in      ( 0.00) @Jt 5
Horz CR   1.25in      ( 0.00) @Jt 5
```

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

12/11/2025

SIMPSON StrongTie

Component Solutions
Truss Studio V
2025.3.0.104

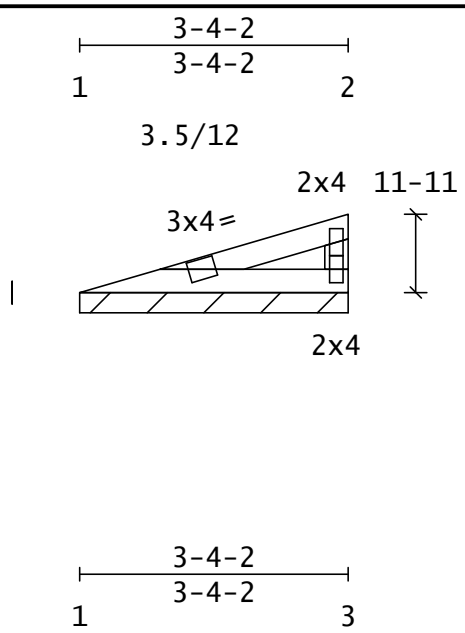
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado	Qty: 1	Truss: V8

Customer: GREEN-R-PANEL

SID: 0003962994
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 7.7 lb

```
Code/Design: IBC-2021/TPI-2014
PSF  Live  Dead        Dur Factors
TC   80.0  13.0      Live  Wind  Snow
BC    0.0   1.0  Lum 1.25  1.60  1.15
Total      94.0  Plt 1.25  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  20% Creep (Kcr) = 2.0
OH Soffit Load:  2.0 psf
```

```
----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:      Yes
Rain Surcharge: No Ice Dam Chk: No
```

```
----------Wind Load Specs----------
ASCE7-16  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: C
Bldg Dims: L =  60.0 ft  B =  40.0 ft
M.R.H(h)=  40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  7.8 BC =  0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

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

Material Summary

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

Member Forces Summary

```
Max CSI in TC PANEL   1 -  2   0.08
Max CSI in BC PANEL   1 -  3   0.06
Max CSI in Web        3 -  2   0.01

...Mem...    Ten     Comp     .CSI.
TC    1- 2      21       41     0.08
      2-OH       0        7     0.00
BC    1- 3       0        0     0.06
      3-OH       0        0     0.00
Web   2- 3      16      102     0.01
```

Reaction Summary

```
Max Horiz =      0 /    +21 at Joint   1
Max Horiz =      0 /    +21 at Joint   1
Reactions not shown: down < 400 and up < 150
---- Reaction Summary (plf) -----
Jnt-Jnt       React -Up- --Width-
  1- 3          187   21  3-04-02
```

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 3-06-04 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

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

Deflection Summary

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

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)

COLORADO LICENSED
SIENNA PALOS
59342
PROFESSIONAL ENGINEER

12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

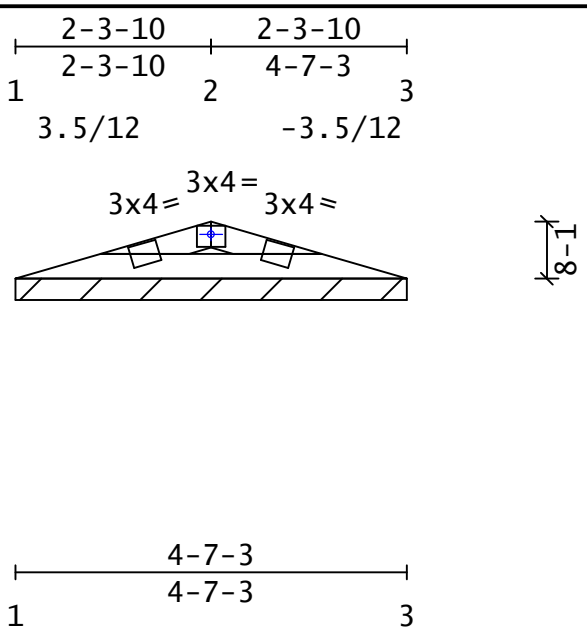
EngDrwg: 2021r5RGT_Eng

RB25036_RP - Steamboat Springs Colorado	Qty: 1	Truss: V9

Customer: GREEN-R-PANEL

SID: 0003962995
TID: 299093
Date: 12 / 11 / 25
Page: 1 of 1

Truss Mfr. Contact: Cindy Matthies



Truss Weight = 8.5 lb

Code/Design: IBC-2021/TPI-2014
PSF Live Dead Dur Factors
TC 80.0 13.0 Live Wind Snow
BC 0.0 1.0 Lum 1.25 1.60 1.15
Total 94.0 Plt 1.25 1.60 1.15
Spacing: 2-00-00 o.c. Plies: 1
Repetitive Member Increase: Yes
Green Lumber: No Wet Service: No
Fab Tolerance: 20% Creep (Kcr) = 2.0
OH Soffit Load: 2.0 psf

----------Snow Load Specs----------
ASCE7-16 Ground Snow(Pg) = 103.0 psf
Risk Category: II (Is = 1.00)
Terrain Category: C
Roof Exposure: Sheltered
Thermal Condition: All Others(1.0)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin): No
Unbalanced Snow Loads: Yes
Rain Surcharge: No Ice Dam Chk: No
Lu(max) = 20-00-00

----------Wind Load Specs----------
ASCE7-16 Wind Speed(V) = 115 mph
Risk Cat: II Exposure Cat: C
Bldg Dims: L = 60.0 ft B = 40.0 ft
M.R.H(h)= 40.0ft Kzt = 1.0 Ke = 1.00
Bldg Enclosure: Enclosed
Wind DL(psf): TC = 7.8 BC = 0.6
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00

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

Material Summary

TC 2x4 SPF #1/#2
BC 2x4 SPF #1/#2

Member Forces Summary

Max CSI in TC PANEL 2 - 3 0.11
Max CSI in BC PANEL 1 - 3 0.08

...Mem...	Ten	Comp	.CSI.
TC 1- 2	265	24	0.10
2- 3	255	23	0.11
BC 1- 3	34	278	0.08

Reaction Summary

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

Jnt	--X-Loc-	React	-Up-	--Width-	-Reqd	-Mat	PSI
3	3-03-06	724	55	4-07-03			

Max Horiz = -2 / +2 at Joint 1
Max Horiz = -2 / +2 at Joint 1
Reactions not shown: down < 400 and up < 150

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

Jnt-Jnt	React	-Up-	--Width-	
1- 3	30	10	4-07-03	(reduced)

Loads Summary

User-defined unbalanced Top Chord Live Loads (TCLL) occurring at 2-05-12 are based on 1.00 full and 0.00 reduced load factors.

See Loadcase Report for load combinations and additional details.

Notes

Valley Truss application only.
Plates designed for Cq at 0.80 and Rotational Tolerance of 10.0 degrees.
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
Lumber and plating have been applied symmetrically.

Deflection Summary

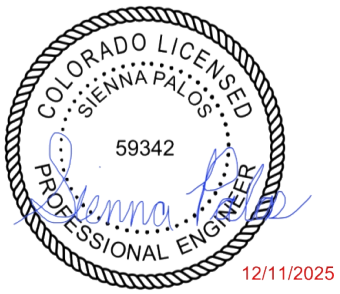
TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(0.00)	1- 3
Vert DL	L/120	L/999(0.00)	1- 3
Vert CR	L/180	L/999(0.00)	1- 3
Horz LL	0.75in	(0.01)	@Jt 3
Horz CR	1.25in	(0.02)	@Jt 3

Bracing Data Summary

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

Plate offsets (X, Y):

(None unless indicated below)
Jnt2(0,-00-04)



12/11/2025

SIMPSON Strong-Tie

Component Solutions
Truss Studio V
2025.3.0.104

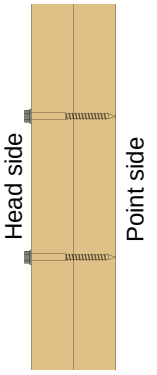
EngDrwg: 2021r5RGT_Eng

PLY-TO-PLY CLUSTER FASTENING MINIMUM SPACING REQUIREMENTS FOR SDS SCREWS (0.25" dia.)

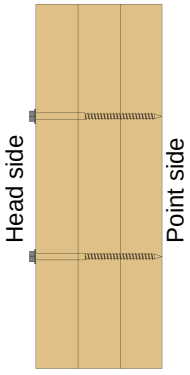
TD-CNC-0006

Date: 09/22/2020 | Rev: 1 |

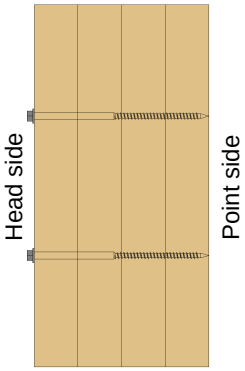
This detail provides minimum spacing requirements for SDS screws specified for ply-to-ply cluster fastening on the Truss Design Drawing (TDD). The total number of SDS screws required for any fastener cluster shall be as specified on the TDD. SDS fasteners placed in a fastener cluster shall be spaced according to Table 1 and Figure 3. Cluster fasteners shall be located within 12" on both sides of the location of the point load or hanger as shown in Figure 1.



2- Ply 2x Truss



3- Ply 2x Truss



4- Ply 2x Truss

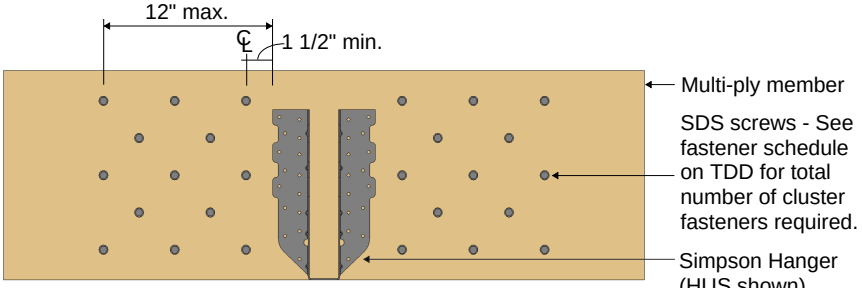
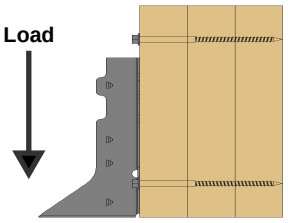
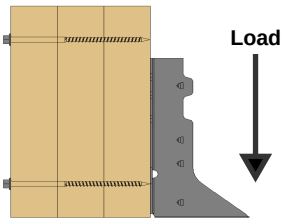


Figure 1. Maximum Fastener spacing from Point Load

Install half the total number of cluster fasteners specified on the TDD on each side of the point load location as shown.



Loaded on Head Side (three-ply assembly shown - other configurations similar)



Loaded on Point Side (three-ply assembly shown - other configurations similar)

Table 1. Minimum spacing requirement of SDS screws

Minimum fastener spacing requirement	Minimum dimensions (inches) DF, SP, SPF, HF
Minimum end distance	4
Minimum edge distance	1 1/2
Minimum spacing between staggered rows	1 1/2
Minimum spacing between non-staggered rows (perpendicular to grain)	3
Minimum spacing between fasteners (parallel to grain)	3

Notes:

1.For additional information about fastener spacing, refer to page 44 of C-F-2019TECHSUP, Simpson's Fastening Systems Technical Guide Catalog, and ESR 2236.

2. Main member penetration shall be a minimum of 6D=1.45" into the main member. See TDD for specified screw sizes.

3. All ply-to-ply connections with Simpson SDS screws are designed assuming load is applied to the point side of the connection, U.N.O. on the TDD.

4. U.N.O., use additional fasteners as specified on TDD within +/- 12" of the location(s) indicated on the TDD.

Figure 2. Load Applied to Outside Multi-Ply 2x Member

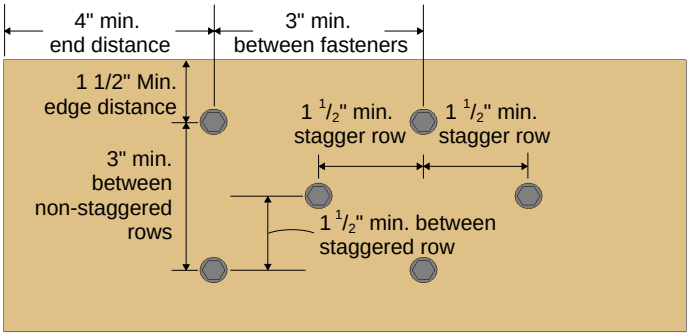


Figure 3. Spacing requirements for SDS screws

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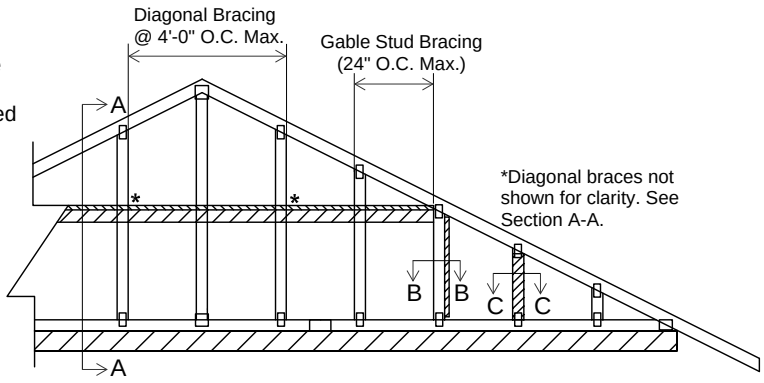
GABLE STUD BRACING DETAIL - 90 MPH (NOMINAL), 115 MPH (ULTIMATE)

TD-GBL-0002B

Date: 06/11/2014 | Rev: B | Pg. 1 of 1

NOTES:

1. This detail provides bracing/reinforcement options for the gable studs to resist the out-of-plane wind loading. Refer to the individual truss design drawing for bracing/reinforcement requirements for resisting the vertical (in-plane) loads assumed in the design of the gable end frame. Additional bracing/reinforcement at the end of the building and/or at the gable end wall may be required. Refer to the Building Designer/Construction Documents for all gable end frame and roof system bracing requirements. For additional information, see BCSI-B3.
2. This detail does not apply to structural gables.
3. Connection requirements between the gable end frame and the wall to be specified by the Building Designer.
4. The gable end frame must match the profile of the adjacent trusses. Do not use a gable end frame with a flat bottom chord next to trusses with sloped bottom chords, such as scissor or vaulted trusses.

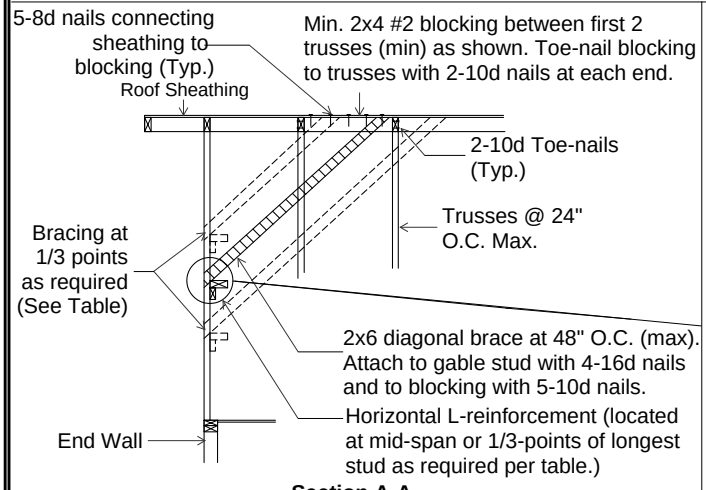


GABLE END WITH STUD BRACING/REINFORCEMENT

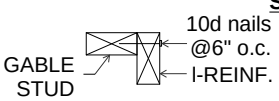
MINIMUM GABLE STUD SIZE, SPECIES & GRADE	MAX. GABLE STUD SPACING	WITHOUT BRACE	L-REINFORCEMENT [1]	SCAB REINFORCEMENT [1]	DIAGONAL BRACING @ MID-SPAN [2]	DIAGONAL BRACING @ 1/3 POINTS [2]
		MAXIMUM STUD LENGTH [3]				
2X4 SPF STUD or STANDARD	12" O.C.	5-1-12	9-0-12	10-3-12	10-3-12	15-5-12
	16" O.C.	4-8-4	8-3-0	9-4-8	9-4-8	14-0-12
	24" O.C.	4-1-0	7-0-0	8-2-4	8-2-4	12-3-8

DETAIL LIMITATIONS:
Max. Mean Roof Height: 30'
Category: II
Exposure: B or C
Load Duration Factor: 1.6
Wind Speed: 90 mph Nominal
(115 mph Ultimate)

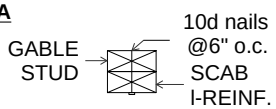
1. L- and Scab Reinforcements shall be minimum 2x4 stud grade and must be a minimum of 90% of the gable stud length. Fasten the reinforcement member to the gable stud with 10d nails @ 6" o.c.
2. Attach horizontal reinforcing member at mid-span (or 1/3 points as required) of the longest stud and install diagonal bracing @ 4' o.c. (max) as shown in Section A-A.
3. Tabulated maximum stud lengths are based on components and cladding wind pressures using the wind design parameters listed in the detail limitations. Gable stud deflection criteria is L/240.



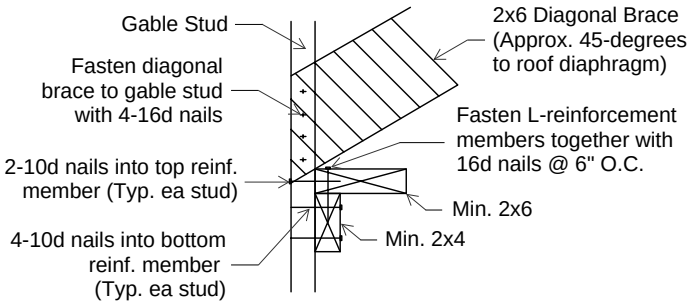
Section A-A



Section B-B



Section C-C



NOTE: Diagonal braces over 6'-3" require a 2x4 T-brace attached to one narrow edge. Diagonal braces over 12'-6" require 2x4s attached on both narrow edges. The braces must cover 90% of the diagonal brace and shall be fastened to the narrow edge with 10d nails at 6" o.c.(min. 3" end distance). When attached on both narrow edges, stagger the nails on each side by 3".

Nail Dimension
16d = 3.5" x 0.162"
10d = 3" x 0.148"
8d = 2.5" x 0.131"

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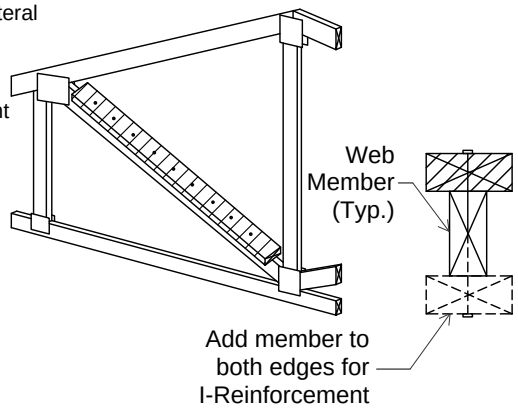
INDIVIDUAL WEB REINFORCEMENT DETAIL

D-WEBREINFORCE

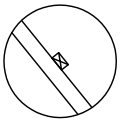
Date: 01/19/2024 | Rev: A | Pg. 1 of 1

NOTES:

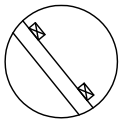
1. This detail provides web reinforcement options that may be used as an alternative to continuous lateral restraint (CLR) when installing CLRs in combination with diagonal bracing is not practical or desired.
2. Refer to the truss design drawing for web lateral restraint requirements. A ⊠ on the truss design drawing indicates that continuous lateral restraint is required at the locations shown (either at the midpoint or 1/3-points of the web member). Refer to the tables below for acceptable web reinforcement options that may be used in place of one or two rows of CLR.
3. T-, L-, I- and scab web reinforcements must be the same or better species and grade of the web member as indicated on the truss design drawing.
4. All reinforcements must extend to within 6" of each end of the web member.
5. This detail does not apply to single-ply webs that exceed 14' in length.



T- Reinforcement
(I-Reinforcement similar)



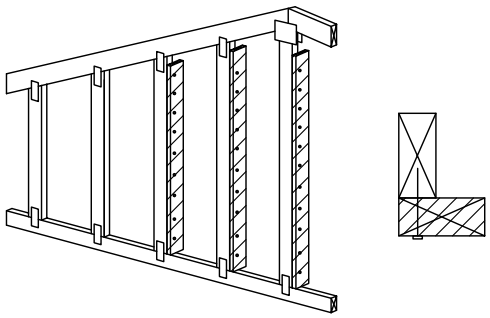
1 Row of CLR @ Web Mid-point



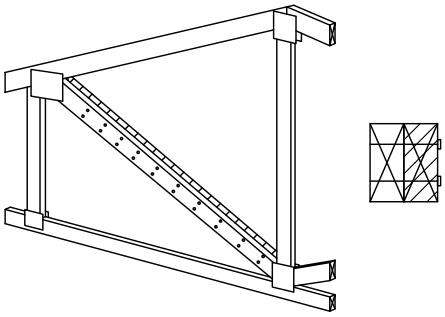
2 Rows of CLRs @ Web 1/3 points

WEB REINFORCEMENT OPTIONS FOR SINGLE-PLY TRUSSES [1]						
Specified Web Member Lateral Restraint (CLRs)	Web Member Size	Acceptable Web Reinforcement Substitutions - Type & Size				Reinforcement-to-Web Connection Requirements
		T-	L-	Scab	I-	
1 Row @ Mid-point	2x4	2x4	2x4	2x4	---	16d gun nails @ 6" on-center
	2x6	2x6	2x6	2x6	---	
	2x8	2x8	2x8	2x8	---	
2 Row @ 1/3-points	2x4	No substitutions allowed			2-2x4	
	2x6				2-2x6	
	2x8				2-2x8	

WEB REINFORCEMENT OPTIONS FOR 2-PLY TRUSSES [2]						
Specified Web Member Lateral Restraint (CLRs)	Web Member Size	Acceptable Web Reinforcement Substitutions - Type & Size				Reinforcement-to-Web Connection Requirements
		T-	L-	Scab	I-	
1 Row @ Mid-point	2x4	2x4	2x4	---	---	16d gun nails @ 6" on-center
	2x6	2x6	2x6	---	---	
	2x8	2x8	2x8	---	---	
2 Row @ 1/3-points	2x4	No substitutions allowed			2-2x4	
	2x6				2-2x6	
	2x8				2-2x8	



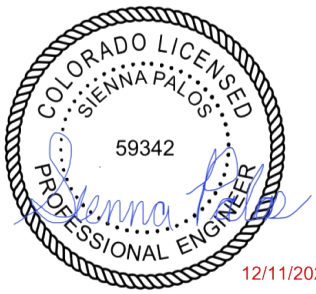
L- Reinforcement



Scab Reinforcement

1. The maximum allowable web length for single-ply trusses is 14'.
2. For 2-ply trusses, the reinforcement must be nailed to both plies of the web with the nailing pattern specified in the table.
3. For the scab reinforcement, 2 rows of 10d gun nails @ 6" o.c may be used in place of 16d gun nails for attaching the reinforcement to the web.
4. For I-reinforcement, attach each 2x_member to opposite edges of the web using the nailing pattern specified in the table.

Nail Dimension
16d = 3.5" x 0.131"
10d = 3" x 0.120"

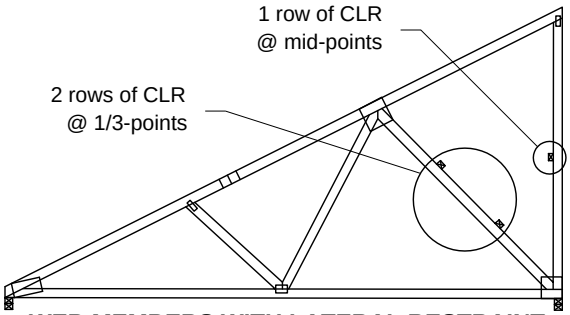


LATERAL RESTRAINT & DIAGONAL BRACING DETAILS FOR WEB MEMBERS

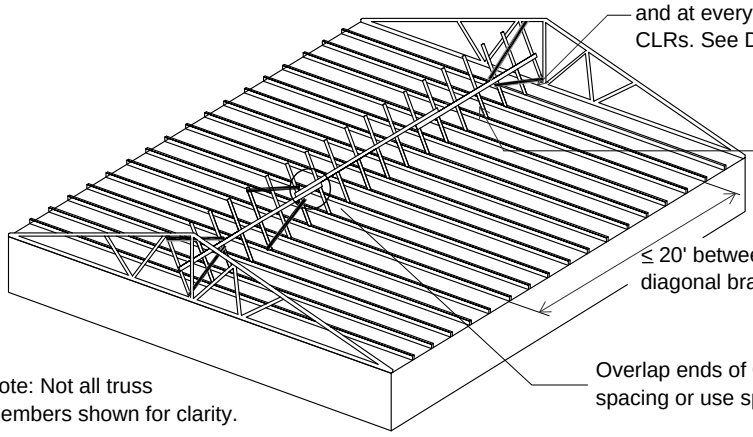
D-WEBCLRBRACE

Date: 05/24/2021 | Rev: A | Pg. 1 of 1

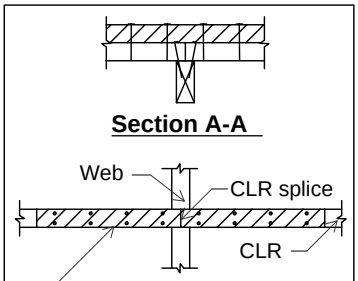
This detail provides information for laterally restraining and bracing web members to prevent lateral buckling using continuous lateral restraints (CLRs) in combination with diagonal bracing. In addition to the CLRs indicated on the truss design drawing, diagonal bracing must be installed as indicated in this detail and BCSI-B3. See WEBREINFORCE for web reinforcement options that may be used as an alternative to this detail when installing CLRs and diagonal bracing is not practical or desired. Properly attached full-length sheathing satisfies (may replace) any bracing requirements specified for end vertical webs. Refer to the Construction Documents for additional bracing requirements. For trusses with spacing greater than 2' o.c. refer to BCSI-B10



WEB MEMBERS WITH LATERAL RESTRAINT



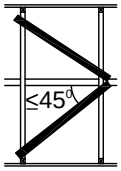
Note: Not all truss members shown for clarity.



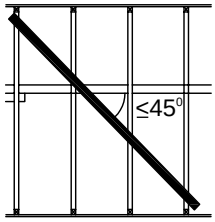
Min. 2'-long 2x_ scab block centered over the CLR splice and web. Attach to CLR with min. 8-10d nails on each side of splice.

Detail 1 - CLR Splice

For webs with one row of CLRs, diagonal bracing shall be installed using Option 2A or 2B. Attach diagonal braces to each truss with min. 2-10d nails.



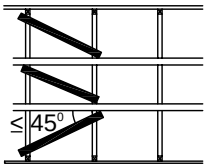
Option 2A



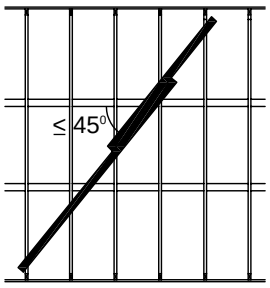
Option 2B

Detail 2 - Diagonal Bracing for 1 Row of CLRs

For webs with 2 rows of CLRs, diagonal bracing shall be installed using Option 3A or 3B. Attach diagonal braces to each truss with min. 2-10d nails.



Option 3A



Option 3B

Detail 3 - Diagonal Bracing for 2 Rows of CLRs

DETAIL LIMITATIONS:

1. Restraint and Bracing Material min. 2x4 stress graded lumber.
2. This detail does not address permanent building stability bracing to resist lateral forces acting on the building.
3. This detail shall not supersede any project-specific truss member permanent bracing design for the roof framing structural system.
4. This detail is not applicable for trusses with spacing greater than 2' o.c.

Nail Dimensions:

10d = 3" x 0.128"