

|  |   |  |   |  |
|--|---|--|---|--|
| <b>Conforms To:</b><br>Bldg Code: NBCC 2015<br>Design Criteria: Residential<br>TPIC Std: TPIC 2014<br>CSA Std: CSA 086-14                    | <b>Loading Criteria (psf)</b><br>TCLL: 42.25<br>TCDL: 10.00<br>BCLL: 0.00<br>BCDL: 7.00                             | <b>Wind Criteria</b><br>q: NA<br>Ref Ht: NA<br>Calc'd Int. Press: NA<br>Exposure: NA<br>BLDG Cat: NA<br>Ceiling Attached: NA<br>TCDL: NA<br>BCDL: NA<br>Duration of Load: NA | <b>Defl/CSI Criteria</b><br>PP Deflection in loc L/defl L/D<br>VERT(LL): 0.004 I 999 480<br>VERT(TL): 0.006 I 999 480<br>HORZ(LL): 0.000 A - -<br>HORZ(TL): 0.000 A - 1.00<br>Creep Factor: 1.0<br>Overhang: Non-removable<br>Max TC CSI: 0.20<br>Max BC CSI: 0.01<br>Max Web CSI: 0.07 | <b>▲ Bearing Locations</b><br>Loc Ht / W<br>AH 9'0"12 / 29'5"8                                       |
| <b>Ground Snow Load:</b> 73.00<br>Rain Load: 2.10<br>Cb: 0.55<br>Cs: 1.00<br>Cw: 1.00<br>If: 1.00<br>Slippery Roof: N/A<br>Wind Exposed: N/A | Des Ld: 59.25<br>Lumber Duration: 1.00<br>Plate Duration: 1.00<br>Spacing: 16.0"<br>Load Sharing: Varies by Ld Case |  | VIEW Ver: 20.02.00A.1020.21   | <b>▲ Bearing Reactions (lbs)</b><br>Loc / S / L / D / F / Hz / U<br>AH / 6858 / 0 / 1942 / 431 / 0 / |
|  |   |  |   | <b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.                |

|  |   |  |
|--|---|--|
| <b>Lumber</b><br>Top Chord: 2x4 SPF 2100Fb-1.8E;<br>Bot Chord: 2x4 SPF 2100Fb-1.8E;<br>Webs: 2x4 SPF 2100Fb-1.8E;  | <b>Loading</b><br>Loading spec'd by auth. having jurisdiction @ time of design.<br>Truss designed to support 2-6-0 top chord outlookers and cladding load not to exceed 4.00 PSF one face and 16.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.   | <b>▲ Bearing Locations</b><br>Loc Ht / W<br>AH 9'0"12 / 29'5"8                                       |
| <b>Plating Notes</b><br>See A-100, Specification Note 7.E for standard plate positioning.<br>Plates designed for fabrication using seasoned lumber.<br>All plates are 1.5X3 except as noted.<br>Handling stresses not considered for the plates. Special care in handling of this truss is required by truss manufacturer and Installation Contractor to prevent plate damage. | <b>Additional Notes</b><br>Interaction equation as per Clause 6.5.10 of CSA-O86-14.<br>Note: This truss must be installed as shown. It cannot be used upside down. Top of truss must be marked by Truss Fabricator.<br>Properly fasten sheathing to one face of this gable as per the National Building Code of Canada, latest edition. | <b>▲ Bearing Reactions (lbs)</b><br>Loc / S / L / D / F / Hz / U<br>AH / 6858 / 0 / 1942 / 431 / 0 / |
| <b>Plate Shift Table</b>   | Flat roof factor used in this truss design.   | <b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.                |

| JT No | Plate Size | Lateral Shift | Chord Bite | JT No | Plate Size | Lateral Shift | Chord Bite |
|-------|------------|---------------|------------|-------|------------|---------------|------------|
| [ 2 ] | 2X4        | S             | 2.25       | [ 3 ] | 2X4        | S             | 2.25       |
| [ 4 ] | 1.5X4      | S             | 2.50       | [ 5 ] | 1.5X4      | S             | 2.50       |
| [ 6 ] | 2X4        | S             | 2.00       | [ 7 ] | 2X4        | S             | 2.00       |
| [ 8 ] | 1.5X4      | S             | 2.50       | [ 9 ] | 1.5X4      | S             | 2.50       |
| [10]  | 1.5X4      | S             | 2.50       | [11]  | 1.5X4      | S             | 2.50       |
| [12]  | 1.5X4      | S             | 2.50       | [13]  | 1.5X4      | S             | 2.50       |
| [14]  | 1.5X4      | S             | 2.50       | [15]  | 1.5X4      | S             | 2.50       |
| [18]  | 1.5X4      | S             | 2.50       | [19]  | 1.5X4      | S             | 2.50       |
| [20]  | 1.5X4      | S             | 2.50       | [21]  | 1.5X4      | S             | 2.50       |
| [22]  | 1.5X4      | S             | 2.50       | [23]  | 1.5X4      | S             | 2.50       |
| [24]  | 1.5X4      | S             | 2.50       | [25]  | 1.5X4      | S             | 2.50       |
| [26]  | 1.5X4      | S             | 2.50       | [27]  | 1.5X4      | S             | 2.50       |
| [28]  | 2X4        | S             | 2.00       | [29]  | 2X4        | S             | 2.00       |
| [30]  | 1.5X4      | S             | 2.50       | [31]  | 1.5X4      | S             | 2.50       |

| <b>Maximum Bot Chord Forces Per Ply (lbs)</b> |            |        |             |
|---|------------|--------|-------------|
| Chords  | Tens.Comp. | Chords | Tens. Comp. |
| AH-AG   | 1 0        | Z - Y  | 1 0         |
| AG-AF   | 1 0        | Y - X  | 1 0         |
| AF-AE   | 1 0        | X - W  | 1 0         |
| AE-AD   | 1 0        | W - V  | 1 0         |
| AD-AC   | 1 0        | V - U  | 1 0         |
| AC-AB   | 1 0        | U - T  | 1 0         |
| AB-AA   | 1 0        | T - S  | 1 0         |
| AA - Z  | 1 0        | S - R  | 1 0         |

| <b>Maximum Gable Forces Per Ply (lbs)</b> |            |        |             |
|---|------------|--------|-------------|
| Gables                                    | Tens.Comp. | Gables | Tens. Comp. |
| A - AH                                    | 0 -343     | J - Y  | 0 -852      |
| B - AG                                    | 0 -949     | K - X  | 0 -852      |
| C - AF                                    | 0 -835     | L - W  | 0 -852      |
| D - AE                                    | 0 -854     | M - V  | 0 -852      |
| E - AD                                    | 0 -851     | N - U  | 0 -849      |
| F - AC                                    | 0 -852     | O - T  | 0 -868      |
| G - AB                                    | 0 -852     | P - S  | 0 -803      |
| H - AA                                    | 0 -852     | Q - R  | 0 -230      |

**Purlins**  
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:  
Chord Spacing(in oc) Start(ft) End(ft)  
BC 120 0.00 29.46  
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

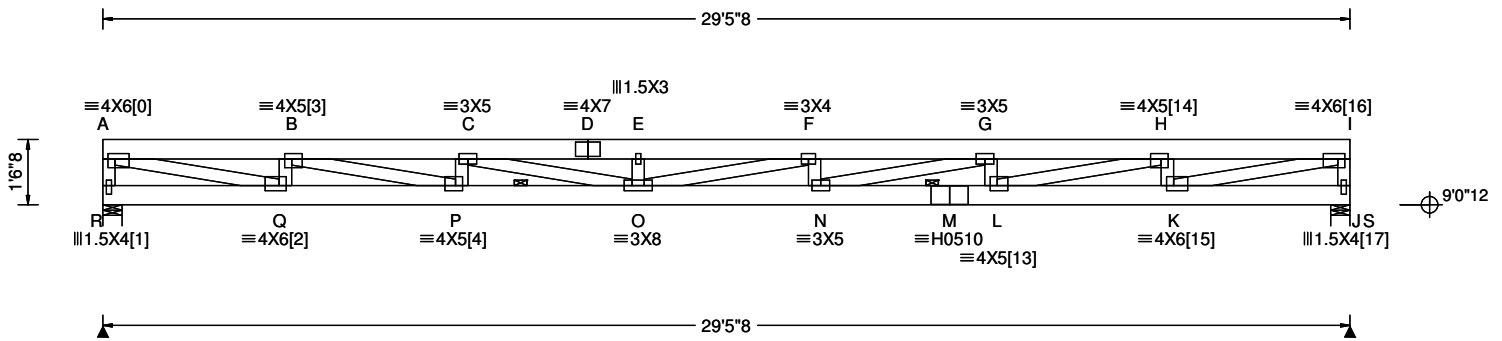


SEQN: 10761 / T7 / FLAT  
FROM: AA

Ply: 2  
Qty: 1  
Wgt: 352.8 lbs

44761  
Wood Creek (Hanson) Roof Trusses  
TR02

DRW:  
... / ... 02/03/2022



**Conforms To:**  
Bldg Code: NBCC 2015  
Design Criteria: Residential  
TPIC Std: TPIC 2014  
CSA Std: CSA 086-14

**Loading Criteria (psf)**  
TCLL: 42.25  
TCDL: 10.00  
BCLL: 0.00  
BCDL: 7.00

**Wind Criteria**  
q: NA  
Ref Ht: NA  
Calc'd Int. Press: NA  
Exposure: NA  
BLDG Cat: NA  
Ceiling Attached: NA  
TCDL: NA  
BCDL: NA  
Duration of Load: NA

**Defl/CSI Criteria**  
PP Deflection in loc L/defl L/D  
VERT(LL): 0.412 F 857 480  
VERT(TL): 0.715 F 494 480  
HORZ(LL): 0.042 A - -  
HORZ(TL): 0.072 A - 1.00  
Creep Factor: 1.0  
Overhang: Non-removable  
Max TC CSI: 0.17  
Max BC CSI: 0.43  
Max Web CSI: 0.27

**▲ Bearing Locations**  
Loc Ht / W

R 9'0"12 / 5'8  
S 9'0"12 / 5'8

**▲ Bearing Reactions (lbs)**

| Loc | /S    | /L  | /D    | /F     | /Hz | /U |
|-----|-------|-----|-------|--------|-----|----|
| R   | / 829 | / 0 | / 333 | / 1661 | / 0 | /  |
| S   | / 829 | / 0 | / 333 | / 1661 | / 0 | /  |

**Ground Snow Load:** 73.00  
Rain Load: 2.10  
Cb: 0.55  
Cs: 1.00  
Cw: 1.00  
If: 1.00  
Slippery Roof: N/A  
Wind Exposed: N/A

Des Ld: 59.25  
Lumber Duration: 1.00  
Plate Duration: 1.00  
Spacing: 16.0"  
Load Sharing: Yes

PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed  
Plate Type: Wave-Canada, HS-Canada

VIEW Ver: 20.02.00A.1020.21

**Lumber**  
Top Chord: 2x6 SPF 2100Fb-1.8E;  
Bot Chord: 2x6 SPF 2100Fb-1.8E;  
Webs: 2x4 SPF 2100Fb-1.8E;

**Additional Notes**

Interaction equation as per Clause 6.5.10 of CSA-O86-14.  
Note: This truss must be installed as shown. It cannot be used upside down. Top of truss must be marked by Truss Fabricator.  
Flat roof factor used in this truss design.

**Nailnote**  
Nail Schedule: 3.0" common nails  
TOP CHORD: 2 ROWS @ 16.00" o.c. (Each Row)  
BOT CHORD: 2 ROWS @ 16.00" o.c. (Each Row)  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.

**Plating Notes**

See A-100, Specification Note 7.E for standard plate positioning.  
Plates designed for fabrication using seasoned lumber.  
Handling stresses not considered for the plates. Special care in handling of this truss is required by truss manufacturer and Installation Contractor to prevent plate damage.

**Plate Shift Table**

| JT No | Plate Size | Lateral Shift | Chord Bite | JT No | Plate Size | Lateral Shift | Chord Bite |
|-------|------------|---------------|------------|-------|------------|---------------|------------|
| [0]   | 4X6        | 2.00 L        | 1.50       | [1]   | 1.5X4      | S             | 2.50       |
| [2]   | 4X6        | 2.00 R        | 1.50       | [3]   | 4X5        | 2.00 L        | 1.50       |
| [4]   | 4X5        | 2.00 R        | 1.50       | [13]  | 4X5        | 2.00 L        | 1.50       |
| [14]  | 4X5        | 2.00 R        | 1.50       | [15]  | 4X6        | 2.00 L        | 1.50       |
| [16]  | 4X6        | 2.00 R        | 1.50       | [17]  | 1.5X4      | S             | 2.50       |

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:  
Chord Spacing(in oc) Start(ft) End(ft)  
BC 120 0.00 29.46  
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Loading**

Loading spec'd by auth. having jurisdiction @ time of design.

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| A - B  | 0 -2571    | E - F  | 0 -5244     |
| B - C  | 0 -4339    | F - G  | 0 -5214     |
| C - D  | 0 -5244    | G - H  | 0 -4334     |
| D - E  | 0 -5244    | H - I  | 0 -2571     |

**Maximum Bot Chord Forces Per Ply (lbs)**

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| R - Q  | 0 0        | N - M  | 4446 0      |
| Q - P  | 2751 0     | M - L  | 4446 0      |
| P - O  | 4451 0     | L - K  | 2751 0      |
| O - N  | 5267 0     | K - J  | 0 0         |

**Maximum Web Forces Per Ply (lbs)**

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| A - R | 0 -789     | F - N | 0 -204      |
| A - Q | 2656 0     | N - G | 797 0       |
| Q - B | 0 -693     | G - L | 0 -431      |
| B - P | 1649 0     | L - H | 1643 0      |
| P - C | 0 -431     | H - K | 0 -692      |
| C - O | 822 0      | K - I | 2657 0      |
| O - F | 0 -23      | I - J | 0 -789      |
| E - O | 0 -192     |       |             |



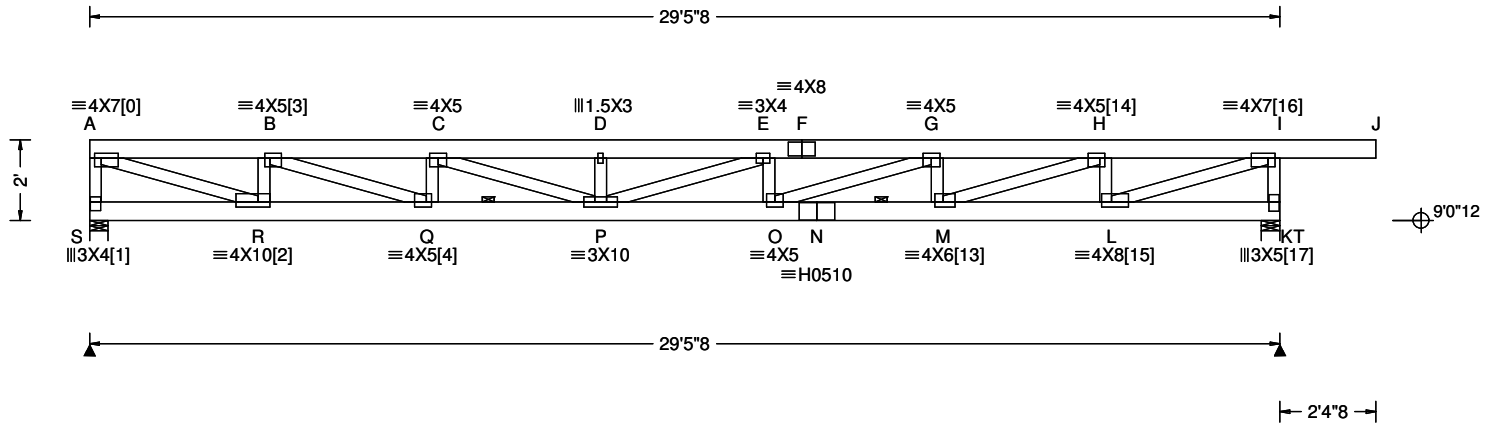
THIS DRAWING MUST BE REVIEWED BY A REGISTERED PROFESSIONAL ENGINEER BEFORE USE.  
SEE A100 FOR GENERAL NOTES, IMPORTANT SPECIFICATIONS AND WARNINGS. CCMC #12182-L, 12802-L, 13124-L  
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR

SEQN: 31124 / T11 / FLAT  
FROM: AA

Ply: 1  
Qty: 12  
Wgt: 205.8 lbs

44761  
Wood Creek (Hanson) Roof Trusses  
TR03

DRW:  
... / ... 02/03/2022



**Conforms To:**  
Bldg Code: NBCC 2015  
Design Criteria: Residential  
TPIC Std: TPIC 2014  
CSA Std: CSA 086-14

**Loading Criteria (psf)**  
TCLL: 42.25  
TCDL: 10.00  
BCLL: 0.00  
BCDL: 7.00  
Des Ld: 59.25  
Lumber Duration: 1.00  
Plate Duration: 1.00  
Spacing: 16.0"  
Load Sharing: Yes

**Wind Criteria**  
q: NA  
Ref Ht: NA  
Calc'd Int. Press: NA  
Exposure: NA  
BLDG Cat: NA  
Ceiling Attached: NA  
TCDL: NA  
BCDL: NA  
Duration of Load: NA

**Defl/CSI Criteria**  
PP Deflection in loc L/def L/D  
VERT(LL): 0.427 E 828 480  
VERT(TL): 0.736 E 480 480  
HORZ(LL): 0.060 A - -  
HORZ(TL): 0.104 A - 1.00  
Creep Factor: 1.0  
Overhang: Non-removable  
Max TC CSI: 0.24  
Max BC CSI: 0.58  
Max Web CSI: 0.40

**▲ Bearing Locations**  
Loc Ht / W  
S 9'0"12 / 5"8  
T 9'0"12 / 5"8

**▲ Bearing Reactions (lbs)**  
Loc / S / L / D / F / Hz / U  
S / 824 / 0 / 332 / 1652 / 0 /  
T / 968 / 0 / 366 / 1911 / 0 /

**Ground Snow Load:** 73.00  
Rain Load: 2.10  
Cb: 0.55  
Cs: 1.00  
Cw: 1.00  
If: 1.00  
Slippery Roof: N/A  
Wind Exposed: N/A

PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed  
Plate Type: Wave-Canada, HS-Canada

VIEW Ver: 21.01.03A.0805.14

**Lumber**  
Top Chord: 2x6 SPF 2100Fb-1.8E;  
Bot Chord: 2x6 SPF 2100Fb-1.8E;  
Webs: 2x4 SPF 2100Fb-1.8E;

**Plating Notes**  
See A-100, Specification Note 7.E for standard plate positioning.  
Plates designed for fabrication using seasoned lumber.

Handling stresses not considered for the plates.  
Special care in handling of this truss is required by truss manufacturer and Installation Contractor to prevent plate damage.

**Plate Shift Table**

| JT No | Plate Size | Lateral Shift | Chord Bite | JT No | Plate Size | Lateral Shift | Chord Bite |
|-------|------------|---------------|------------|-------|------------|---------------|------------|
| [0]   | 4X7        | 2.00 L        | 1.50       | [1]   | 3X4        | S             | 2.50       |
| [2]   | 4X10       | O             | 1.50       | [3]   | 4X5        | 3.50 R        | 1.50       |
| [4]   | 4X5        | 1.50 R        | 1.50       | [13]  | 4X6        | 2.50 L        | 1.50       |
| [14]  | 4X5        | 1.50 R        | 1.50       | [15]  | 4X8        | 3.00 L        | 1.50       |
| [16]  | 4X7        | 2.00 R        | 1.50       | [17]  | 3X5        | S             | 2.75       |

**Purlins**  
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:  
Chord Spacing(in oc) Start(ft) End(ft)  
BC 120 0.00 29.46

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Loading**  
Loading spec'd by auth. having jurisdiction @ time of design.

**Additional Notes**  
Interaction equation as per Clause 6.5.10 of CSA-O86-14.  
Note: This truss must be installed as shown. It cannot be used upside down. Top of truss must be marked by Truss Fabricator.  
Flat roof factor used in this truss design.

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| A - B  | 0 - 3743   | F - G  | 0 - 7464    |
| B - C  | 0 - 6245   | G - H  | 0 - 6166    |
| C - D  | 0 - 7537   | H - I  | 0 - 3597    |
| D - E  | 0 - 7537   | I - J  | 0 0         |
| E - F  | 0 - 7464   |        |             |

**Maximum Bot Chord Forces Per Ply (lbs)**

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| S - R  | 0 0        | O - N  | 6331 0      |
| R - Q  | 4001 0     | N - M  | 6331 0      |
| Q - P  | 6403 0     | M - L  | 3844 0      |
| P - O  | 7541 0     | L - K  | 0 0         |

**Maximum Web Forces Per Ply (lbs)**

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| A - S | 0 - 1598   | E - O | 0 - 415     |
| A - R | 3991 0     | O - G | 1219 0      |
| R - B | 0 - 1386   | G - M | 0 - 892     |
| B - Q | 2415 0     | M - H | 2499 0      |
| Q - C | 0 - 853    | H - L | 0 - 1325    |
| C - P | 1214 0     | L - I | 3836 0      |
| P - E | 1 - 5      | I - K | 0 - 1860    |
| D - P | 0 - 393    |       |             |



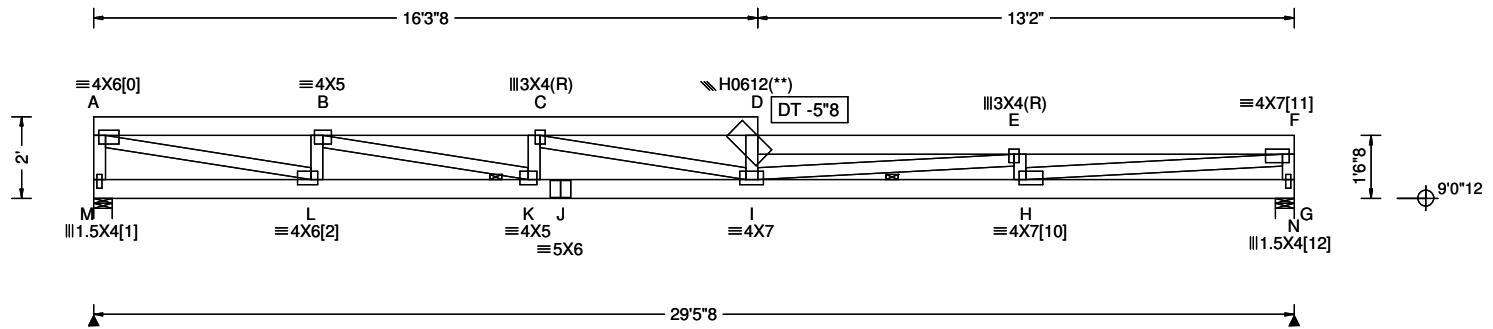
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SEE A100 FOR GENERAL NOTES, IMPORTANT SPECIFICATIONS AND WARNINGS. CCMC #12182-L, 12802-L, 13124-L  
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR

SEQN: 31129 / T10 / FLAT  
FROM: AA

Ply: 2  
Qty: 2  
Wgt: 378.0 lbs

44761  
Wood Creek (Hanson) Roof Trusses  
TR04

DRW:  
... / ... 02/03/2022



**Conforms To:**  
Bldg Code: NBCC 2015  
Design Criteria: Residential  
TPIC Std: TPIC 2014  
CSA Std: CSA 086-14

**Loading Criteria (psf)**  
TCLL: 42.25  
TCDL: 10.00  
BCLL: 0.00  
BCDL: 7.00

**Wind Criteria**  
q: NA  
Ref Ht: NA  
Calc'd Int. Press: NA  
Exposure: NA  
BLDG Cat: NA  
Ceiling Attached: NA  
TCDL: NA  
BCDL: NA  
Duration of Load: NA

**Defl/CSI Criteria**  
PP Deflection in loc L/defl L/D  
VERT(LL): 0.302 D 999 480  
VERT(TL): 0.521 D 678 480  
HORZ(LL): 0.036 A - -  
HORZ(TL): 0.063 A - 1.00  
Creep Factor: 1.0  
Overhang: Non-removable  
Max TC CSI: 0.20  
Max BC CSI: 0.37  
Max Web CSI: 0.36

**▲ Bearing Locations**  
Loc Ht / W  
M 9'0"12 / 5"8  
N 9'0"12 / 5"8

**Ground Snow Load:** 73.00  
Rain Load: 2.10  
Cb: 0.55  
Cs: 1.00  
Cw: 1.00  
If: 1.00  
Slippery Roof: N/A  
Wind Exposed: N/A

Des Ld: 59.25  
Lumber Duration: 1.00  
Plate Duration: 1.00  
Spacing: 16.0"  
Load Sharing: Yes  
PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed  
Plate Type: Wave-Canada, HS-Canada

VIEW Ver: 21.01.03A.0805.14

**▲ Bearing Reactions (lbs)**  
Loc / S / L / D / F / Hz / U  
M / 829 / 0 / 333 / 1661 / 0 /  
N / 829 / 0 / 333 / 1661 / 0 /

**Lumber**  
Top Chord: 2x6 SPF 2100Fb-1.8E;  
Bot Chord: 2x6 SPF 2100Fb-1.8E;  
Webs: 2x4 SPF 2100Fb-1.8E;

**Additional Notes**  
Interaction equation as per Clause 6.5.10 of CSA-O86-14.  
Note: This truss must be installed as shown. It cannot be used upside down. Top of truss must be marked by Truss Fabricator.  
Flat roof factor used in this truss design.

**Maximum Top Chord Forces Per Ply (lbs)**  
Chords Tens.Comp. Chords Tens. Comp.  
A - B 0 -2324 D - E 0 -3976  
B - C 0 -3583 E - F 0 -3587  
C - D 0 -3951

**Nailnote**  
Nail Schedule: 3.0" common nails  
TOP CHORD: 2 ROWS @ 16.00" o.c. (Each Row)  
BOT CHORD: 2 ROWS @ 16.00" o.c. (Each Row)  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.

**Maximum Bot Chord Forces Per Ply (lbs)**  
Chords Tens.Comp. Chords Tens. Comp.  
M - L 0 0 J - I 3646 0  
L - K 2447 0 I - H 3756 0  
K - J 3646 0 H - G 0 0

**Plating Notes**  
See A-100, Specification Note 7.E for standard plate positioning.  
Plates designed for fabrication using seasoned lumber.

**Maximum Web Forces Per Ply (lbs)**  
Webs Tens.Comp. Webs Tens. Comp.  
A - M 0 -801 I - D 15 -42  
A - L 2419 0 I - E 202 0  
L - B 0 -662 E - H 0 -649  
B - K 1188 0 H - F 3636 0  
K - C 0 -337 F - G 0 -771  
C - I 319 0

(\*\*) Warning! 1 plate(s) have been repositioned by the truss designer. Special positioning required.  
Handling stresses not considered for the plates. Special care in handling of this truss is required by truss manufacturer and Installation Contractor to prevent plate damage.

**Plate Shift Table**

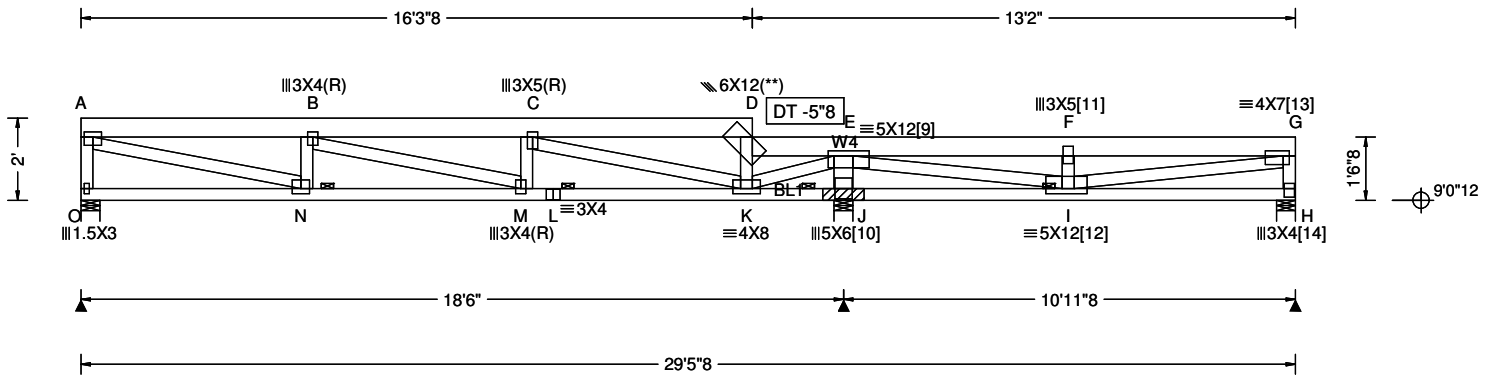
| JT No | Plate Size | Lateral Shift | Chord Bite | JT No | Plate Size | Lateral Shift | Chord Bite |
|-------|------------|---------------|------------|-------|------------|---------------|------------|
| [0]   | 4X6        | 2.00          | L 1.50     | [1]   | 1.5X4      | S 2.50        |            |
| [2]   | 4X6        | 2.00          | R 1.50     | [10]  | 4X7        | 2.00          | L 1.50     |
| [11]  | 4X7        | 2.00          | R 1.50     | [12]  | 1.5X4      | S 2.50        |            |

**Purlins**  
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:  
Chord Spacing(in oc) Start(ft) End(ft)  
BC 120 0.00 29.46  
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Loading**  
Loading spec'd by auth. having jurisdiction @ time of design.



THIS DRAWING MUST BE REVIEWED BY A REGISTERED PROFESSIONAL ENGINEER BEFORE USE.  
SEE A100 FOR GENERAL NOTES, IMPORTANT SPECIFICATIONS AND WARNINGS. CCMC #12182-L, 12802-L, 13124-L  
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR



**Conforms To:**  
 Bldg Code: NBCC 2015  
 Design Criteria: Residential  
 TPIC Std: TPIC 2014  
 CSA Std: CSA 086-14

**Ground Snow Load:** 73.00  
 Rain Load: 2.10  
 Cb: 0.55  
 Cs: 1.00  
 Cw: 1.00  
 If: 1.00  
 Slippery Roof: N/A  
 Wind Exposed: N/A

**Loading Criteria (psf)**  
 TCLL: 42.25  
 TCDL: 10.00  
 BCLL: 0.00  
 BCDL: 7.00

Des Ld: 59.25  
 Lumber Duration: 1.00  
 Plate Duration: 1.00  
 Spacing: 16.0"  
 Load Sharing: No

PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed  
 Plate Type: Wave-Canada

**Wind Criteria**  
 q: NA  
 Ref Ht: NA  
 Calc'd Int. Press: NA  
 Exposure: NA  
 BLDG Cat: NA  
 Ceiling Attached: NA  
 TCDL: NA  
 BCDL: NA  
 Duration of Load: NA

**Defl/CSI Criteria**  
 PP Deflection in loc L/defl L/D  
 VERT(LL): 0.120 F 999 480  
 VERT(TL): 0.197 F 669 480  
 HORZ(LL): -0.012 G - -  
 HORZ(TL): -0.019 G - 1.00  
 Creep Factor: 1.0  
 Overhang: Non-removable  
 Max TC CSI: 0.62  
 Max BC CSI: 0.99  
 Max Web CSI: 0.55

VIEW Ver: 21.01.03A.0805.14

**▲ Bearing Locations**  
 Loc Ht / W  
 O 9'0"12 / 5"8  
 J 9'0"12 / 5"8  
 H 9'0"12 / 5"8

**▲ Bearing Reactions (lbs)**  
 Loc / S / L / D / F / Hz / U  
 O / 481 / 0 / 171 / 936 / 0 /  
 J / 3627 / 0 / 1088 / 6801 / 0 /  
 H / 1760 / 0 / 491 / 3254 / 0 /

**Lumber**  
 Top Chord: 2x6 SPF 2100Fb-1.8E;  
 Bot Chord: 2x4 SPF 2100Fb-1.8E;  
 Webs: 2x4 SPF 2100Fb-1.8E;  
 W4 2x6 SPF 2100Fb-1.8E;

**Nailnote**  
 Nail Schedule: 3.0" common nails  
 TOP CHORD: 2 ROWS @11.25" o.c. (Each Row)  
 BOT CHORD: 1 ROW @16.00" o.c.  
 Webs : 1 Row @ 4" o.c.  
 Use equal spacing between rows and stagger nails in each row to avoid splitting.

**Purlins**  
 In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:  
 Chord Spacing(in oc) Start(ft) End(ft)  
 BC 72 0.00 29.46  
 Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Loading**  
 Loading spec'd by auth. having jurisdiction @ time of design.

**Special Loads**  
 Resid.Ld[3SL]- 4  
 (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)  
 From S/ L/ W/ D plf To S/ L/ W/ D plf  
 TC: -2.38 56/ 0/ 0/13 16.29 56/ 0/ 0/13  
 TC: 16.29 370/ 0/ 0/96 29.46 370/ 0/ 0/96  
 BC: 0.00 0/ 0/ 0/ 9 29.46 0/ 0/ 0/ 9

**Bearing Block(s)**  
 Brg blocks: 3.0" common nails  
 brg x-loc #blocks length/blk #nails/blk  
 2 18.271" 1 12" 4  
 Brg block to be same size and species as chord.  
 Refer to drawing CNNAILSP1014 for more information.

**Maximum Top Chord Forces Per Ply (lbs)**  
 Chords Tens.Comp. Chords Tens. Comp.  
 A - B 0 -1076 D - E 390 -238  
 B - C 0 -1114 E - F 0 -3545  
 C - D 409 -184 F - G 0 -3545

**Maximum Bot Chord Forces Per Ply (lbs)**  
 Chords Tens.Comp. Chords Tens. Comp.  
 O - N 0 0 K - J 0 -1323  
 N - M 1129 0 J - I 0 -1323  
 M - L 1108 0 I - H 0 0  
 L - K 1108 0

**Maximum Web Forces Per Ply (lbs)**  
 Webs Tens.Comp. Webs Tens. Comp.  
 A - O 0 -453 K - E 1035 0  
 A - N 1125 0 E - J 0 -3255  
 N - B 0 -301 E - I 4979 0  
 B - M 0 -197 F - I 0 -1841  
 M - C 96 0 I - G 3623 0  
 C - K 0 -1190 G - H 0 -1586  
 K - D 0 -151

**Plating Notes**  
 See A-100, Specification Note 7.E for standard plate positioning.  
 Plates designed for fabrication using seasoned lumber.  
 All plates are 4X5 except as noted.  
 (\*\*) Warning! 1 plate(s) have been repositioned by the truss designer. Special positioning required.  
 Handling stresses not considered for the plates.  
 Special care in handling of this truss is required by truss manufacturer and Installation Contractor to prevent plate damage.

**Plate Shift Table**

| JT No | Plate Size | Lateral Shift | Chord Bite | JT No | Plate Size | Lateral Shift | Chord Bite |
|-------|------------|---------------|------------|-------|------------|---------------|------------|
| [9]   | 5X12       | 4.75          | R 1.50     | [10]  | 5X6        | S             | 3.00       |
| [11]  | 3X5        | S             | 2.75       | [12]  | 5X12       | 3.75          | R 1.50     |
| [13]  | 4X7        | 1.75          | R 1.50     | [14]  | 3X4        | S             | 2.50       |



SEQN: 31132 / T1 / GABL  
FROM: AA  
Page 2 of 2

Ply: 2  
Qty: 1  
Wgt: 343.0 lbs

44761  
Wood Creek (Hanson) Roof Trusses  
TR05

DRW:  
... / ... 02/03/2022

**Additional Notes**

Interaction equation as per Clause 6.5.10 of  
CSA-O86-14.

Note: This truss must be installed as shown. It cannot  
be used upside down. Top of truss must be marked by  
Truss Fabricator.

Warning: Component is designed to bear at specific  
locations.

Flat roof factor used in this truss design.



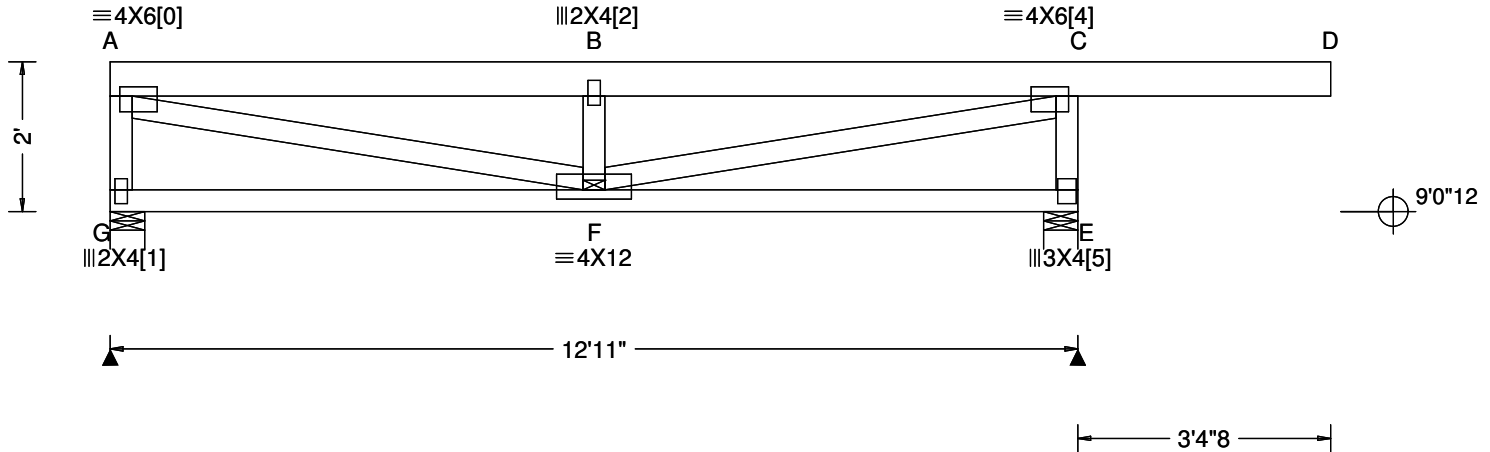
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THIS DWG PREPARED FROM COMPUTER IMPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR

SEQN: 31135 / T4 / FLAT  
FROM: AA

Ply: 1  
Qty: 5  
Wgt: 85.4 lbs

44761  
Wood Creek (Hanson) Roof Trusses  
TR06

DRW: ... / ...  
02/03/2022



**Conforms To:**  
Bldg Code: NBCC 2015  
Design Criteria: Residential  
TPIC Std: TPIC 2014  
CSA Std: CSA 086-14

**Ground Snow Load:** 73.00  
Rain Load: 2.10  
Cb: 0.55  
Cs: 1.00  
Cw: 1.00  
If: 1.00  
Slippery Roof: N/A  
Wind Exposed: N/A

**Loading Criteria (psf)**  
TCLL: 42.25  
TCDL: 10.00  
BCLL: 0.00  
BCDL: 7.00

Des Ld: 59.25  
Lumber Duration: 1.00  
Plate Duration: 1.00  
Spacing: 24.0"  
Load Sharing: Yes

PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed  
Plate Type: Wave-Canada

**Wind Criteria**  
q: NA  
Ref Ht: NA  
Calc'd Int. Press: NA  
Exposure: NA  
BLDG Cat: NA  
Ceiling Attached: NA  
TCDL: NA  
BCDL: NA  
Duration of Load: NA

**Defl/CSI Criteria**  
PP Deflection in loc L/def L/D  
VERT(LL): 0.071 B 999 480  
VERT(TL): 0.120 B 999 480  
HORZ(LL): 0.006 A - -  
HORZ(TL): 0.011 A - 1.00  
Creep Factor: 1.0  
Overhang: Non-removable  
Max TC CSI: 0.30  
Max BC CSI: 0.16  
Max Web CSI: 0.24

VIEW Ver: 21.01.03A.0805.14

**▲ Bearing Locations**  
Loc Ht / W  
G 9'0"12 / 5"8  
E 9'0"12 / 5"8

**▲ Bearing Reactions (lbs)**  
Loc / S / L / D / F / Hz / U  
G / 527 / 0 / 215 / 1059 / 0 /  
E / 764 / 0 / 271 / 1486 / 0 /

**Lumber**  
Top Chord: 2x6 SPF 2100Fb-1.8E;  
Bot Chord: 2x4 SPF 2100Fb-1.8E;  
Webs: 2x4 SPF 2100Fb-1.8E;

**Plating Notes**  
See A-100, Specification Note 7.E for standard plate positioning.  
Plates designed for fabrication using seasoned lumber.  
Handling stresses not considered for the plates. Special care in handling of this truss is required by truss manufacturer and Installation Contractor to prevent plate damage.

**Plate Shift Table**

| JT No | Plate Size | Lateral Shift | Chord Bite | JT No | Plate Size | Lateral Shift | Chord Bite |
|-------|------------|---------------|------------|-------|------------|---------------|------------|
| [0]   | 4X6        | 2.00          | L 1.50     | [1]   | 2X4        | S             | 2.25       |
| [2]   | 2X4        | S             | 2.50       | [4]   | 4X6        | 2.00          | R 1.50     |
| [5]   | 3X4        | S             | 2.25       |       |            |               |            |

**Purlins**  
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:  
Chord Spacing(in oc) Start(ft) End(ft)  
BC 120 0.00 12.92  
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Loading**  
Loading spec'd by auth. having jurisdiction @ time of design.

**Additional Notes**  
Interaction equation as per Clause 6.5.10 of CSA-O86-14.  
Note: This truss must be installed as shown. It cannot be used upside down. Top of truss must be marked by Truss Fabricator.  
Flat roof factor used in this truss design.

**Maximum Top Chord Forces Per Ply (lbs)**  
Chords Tens.Comp. Chords Tens. Comp.  
A - B 0 - 2351 C - D 0 0  
B - C 0 - 2351

**Maximum Bot Chord Forces Per Ply (lbs)**  
Chords Tens.Comp. Chords Tens. Comp.  
G - F 0 0 F - E 0 0

**Maximum Web Forces Per Ply (lbs)**  
Webs Tens.Comp. Webs Tens. Comp.  
A - G 0 - 1009 F - C 2424 0  
A - F 2424 0 C - E 0 - 1436  
B - F 0 - 1059



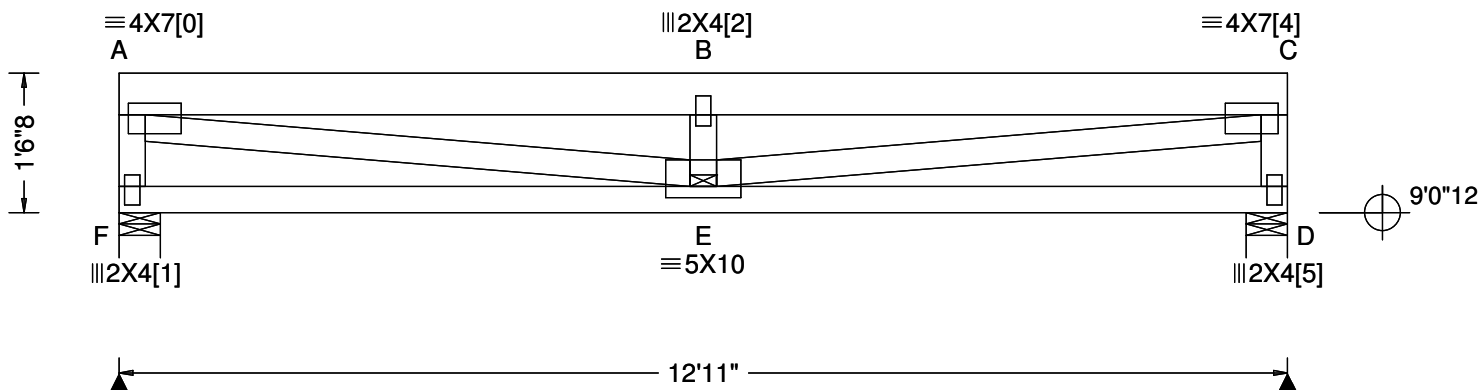
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THIS DWG PREPARED FROM COMPUTER INPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR

SEQN: 30951 / T8 / FLAT  
FROM: AA

Ply: 1  
Qty: 1  
Wgt: 72.8 lbs

44761  
Wood Creek (Hanson) Roof Trusses  
TR07

DRW: ... / ...  
02/03/2022



**Conforms To:**  
Bldg Code: NBCC 2015  
Design Criteria: Residential  
TPIC Std: TPIC 2014  
CSA Std: CSA 086-14

**Loading Criteria (psf)**  
TCLL: 42.25  
TCDL: 10.00  
BCLL: 0.00  
BCDL: 7.00

**Wind Criteria**  
q: NA  
Ref Ht: NA  
Calc'd Int. Press: NA  
Exposure: NA  
BLDG Cat: NA  
Ceiling Attached: NA  
TCDL: NA  
BCDL: NA  
Duration of Load: NA

**Defl/CSI Criteria**  
PP Deflection in loc L/defl L/D  
VERT(LL): 0.129 B 999 480  
VERT(TL): 0.225 B 690 480  
HORZ(LL): 0.009 A - -  
HORZ(TL): 0.015 A - 1.00  
Creep Factor: 1.0  
Overhang: Non-removable  
Max TC CSI: 0.33  
Max BC CSI: 0.13  
Max Web CSI: 0.34

**▲ Bearing Locations**  
Loc Ht / W

F 9'0"12 / 5"8  
D 9'0"12 / 5"8

**▲ Bearing Reactions (lbs)**

| Loc | /S   | /L | /D   | /F    | /Hz | /U |
|-----|------|----|------|-------|-----|----|
| F   | /545 | /0 | /219 | /1093 | /0  | /  |
| D   | /545 | /0 | /219 | /1093 | /0  | /  |

**Ground Snow Load:** 73.00  
Rain Load: 2.10  
Cb: 0.55  
Cs: 1.00  
Cw: 1.00  
If: 1.00  
Slippery Roof: N/A  
Wind Exposed: N/A

Des Ld: 59.25  
Lumber Duration: 1.00  
Plate Duration: 1.00  
Spacing: 24.0"  
Load Sharing: Yes

PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed  
Plate Type: Wave-Canada

VIEW Ver: 21.01.03A.0805.14

**Lumber**

Top Chord: 2x6 SPF 2100Fb-1.8E;  
Bot Chord: 2x4 SPF 2100Fb-1.8E;  
Webs: 2x4 SPF 2100Fb-1.8E;

**Plating Notes**

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

Handling stresses not considered for the plates. Special care in handling of this truss is required by truss manufacturer and Installation Contractor to prevent plate damage.

**Plate Shift Table**

| JT No | Plate Size | Lateral Shift | Chord Bite | JT No | Plate Size | Lateral Shift | Chord Bite |
|-------|------------|---------------|------------|-------|------------|---------------|------------|
| [0]   | 4X7        | 2.25 L        | 1.50       | [1]   | 2X4        | S             | 2.50       |
| [2]   | 2X4        | S             | 2.50       | [4]   | 4X7        | 2.25 R        | 1.50       |
| [5]   | 2X4        | S             | 2.50       |       |            |               |            |

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|-------|----------------|-----------|---------|
| BC    | 120            | 0.00      | 12.92   |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Loading**

Loading spec'd by auth. having jurisdiction @ time of design.

**Additional Notes**

Interaction equation as per Clause 6.5.10 of CSA-O86-14.

Note: This truss must be installed as shown. It cannot be used upside down. Top of truss must be marked by Truss Fabricator.

Flat roof factor used in this truss design.

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| A - B  | 0 - 3342   | B - C  | 0 - 3342    |

**Maximum Bot Chord Forces Per Ply (lbs)**

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| F - E  | 0 0        | E - D  | 0 0         |

**Maximum Web Forces Per Ply (lbs)**

| Webs  | Tens.Comp. | Webs  | Tens. Comp. |
|-------|------------|-------|-------------|
| A - F | 0 - 1035   | E - C | 3396 0      |
| A - E | 3396 0     | C - D | 0 - 1035    |
| B - E | 0 - 1098   |       |             |



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THIS DWG PREPARED FROM COMPUTER INPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR

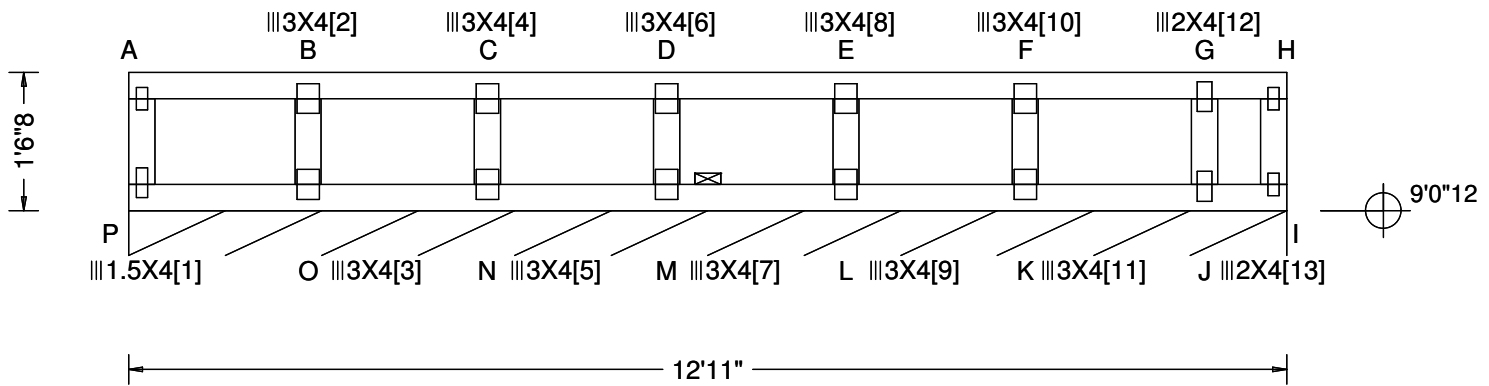


SEQN: 30961 / T5 / GABL  
FROM: AA

Ply: 1  
Qty: 1  
Wgt: 50.4 lbs

44761  
Wood Creek (Hanson) Roof Trusses  
TR08

DRW:  
... / ... 02/03/2022



**Conforms To:**  
Bldg Code: NBCC 2015  
Design Criteria: Residential  
TPIC Std: TPIC 2014  
CSA Std: CSA 086-14

**Loading Criteria (psf)**  
TCLL: 42.25  
TCDL: 10.00  
BCLL: 0.00  
BCDL: 7.00  
Des Ld: 59.25  
Lumber Duration: 1.00  
Plate Duration: 1.00  
Spacing: 24.0"  
Load Sharing: Varies by Ld Case

**Wind Criteria**  
q: NA  
Ref Ht: NA  
Calc'd Int. Press: NA  
Exposure: NA  
BLDG Cat: NA  
Ceiling Attached: NA  
TCDL: NA  
BCDL: NA  
Duration of Load: NA

**Defl/CSI Criteria**  
PP Deflection in loc L/def L/D  
VERT(LL): 0.001 B 999 480  
VERT(TL): 0.002 B 999 480  
HORZ(LL): 0.000 A - -  
HORZ(TL): 0.000 A - 1.00  
Creep Factor: 1.0  
Overhang: Non-removable  
Max TC CSI: 0.27  
Max BC CSI: 0.01  
Max Web CSI: 0.10

**▲ Bearing Locations**

| Loc | Ht              | /W |
|-----|-----------------|----|
| P   | 9'0"12 / 12'11" |    |

**▲ Bearing Reactions (lbs)**

| Loc | /S    | /L | /D    | /F   | /Hz | /U |
|-----|-------|----|-------|------|-----|----|
| P   | /4127 | /0 | /1146 | /590 | /0  | /  |

**Maximum Top Chord Forces Per Ply (lbs)**

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
|--------|------------|--------|-------------|

|       |   |    |       |   |    |
|-------|---|----|-------|---|----|
| A - B | 0 | -2 | E - F | 0 | -2 |
| B - C | 0 | -2 | F - G | 0 | -2 |
| C - D | 0 | -2 | G - H | 0 | -2 |
| D - E | 0 | -2 |       |   |    |

**Maximum Bot Chord Forces Per Ply (lbs)**

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
|--------|------------|--------|-------------|

|       |   |   |       |   |   |
|-------|---|---|-------|---|---|
| P - O | 2 | 0 | L - K | 2 | 0 |
| O - N | 2 | 0 | K - J | 2 | 0 |
| N - M | 2 | 0 | J - I | 2 | 0 |
| M - L | 2 | 0 |       |   |   |

**Maximum Gable Forces Per Ply (lbs)**

| Gables | Tens.Comp. | Gables | Tens. Comp. |
|--------|------------|--------|-------------|
|--------|------------|--------|-------------|

|       |   |       |       |   |       |
|-------|---|-------|-------|---|-------|
| A - P | 0 | -468  | E - L | 0 | -1155 |
| B - O | 0 | -1296 | F - K | 0 | -1209 |
| C - N | 0 | -1140 | G - J | 0 | -948  |
| D - M | 0 | -1168 | H - I | 0 | -128  |

**Lumber**

Top Chord: 2x4 SPF 2100Fb-1.8E;  
Bot Chord: 2x4 SPF 2100Fb-1.8E;  
Webs: 2x4 SPF 2100Fb-1.8E;

**Plating Notes**

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

All plates are 1.5X3 except as noted.

Handling stresses not considered for the plates. Special care in handling of this truss is required by truss manufacturer and Installation Contractor to prevent plate damage.

**Plate Shift Table**

| JT No | Plate Size | Lateral Shift | Chord Bite | JT No | Plate Size | Lateral Shift | Chord Bite |
|-------|------------|---------------|------------|-------|------------|---------------|------------|
| [ 1 ] | 1.5X4      | S             | 1.75       | [ 2 ] | 3X4        | S             | 2.00       |
| [ 3 ] | 3X4        | S             | 2.00       | [ 4 ] | 3X4        | S             | 2.00       |
| [ 5 ] | 3X4        | S             | 2.00       | [ 6 ] | 3X4        | S             | 2.00       |
| [ 7 ] | 3X4        | S             | 2.00       | [ 8 ] | 3X4        | S             | 2.00       |
| [ 9 ] | 3X4        | S             | 2.00       | [10]  | 3X4        | S             | 2.00       |
| [11]  | 3X4        | S             | 2.00       | [12]  | 2X4        | S             | 2.25       |
| [13]  | 2X4        | S             | 2.25       |       |            |               |            |

**Purlins**

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

| Chord | Spacing(in oc) | Start(ft) | End(ft) |
|-------|----------------|-----------|---------|
| BC    | 120            | 0.00      | 12.92   |

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

**Loading**

Loading spec'd by auth. having jurisdiction @ time of design.

Truss designed to support 3-6-0 top chord outlookers and cladding load not to exceed 4.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

**Additional Notes**

Interaction equation as per Clause 6.5.10 of CSA-O86-14.

Note: This truss must be installed as shown. It cannot be used upside down. Top of truss must be marked by Truss Fabricator.

Properly fasten sheathing to one face of this gable as per the National Building Code of Canada, latest edition.

Flat roof factor used in this truss design.

