

Top chord 2x4 SPF #1/#2  
 Bot chord 2x4 SPF #1/#2  
 Webs 2x4 SPF(S) #2

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

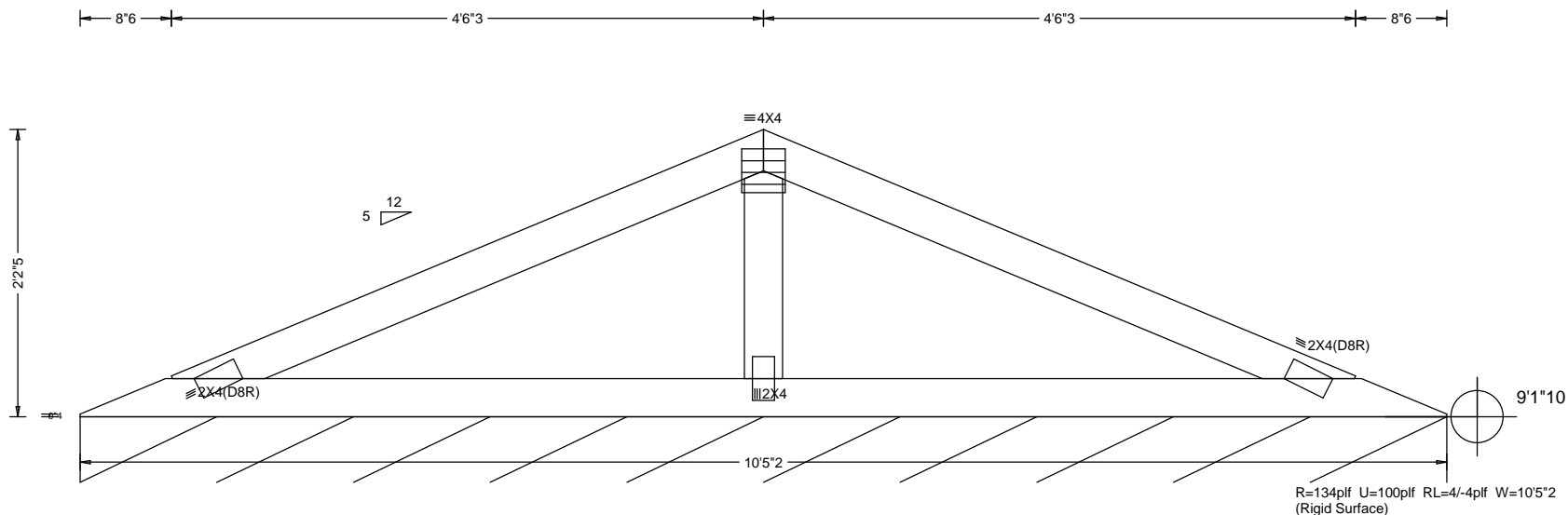
Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is 0.04" due to live load at X = 9-0-4 and 0.09" due to total load at X = 9-0-4. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.



PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 1 TOTAL= 1

REV. 16.02.01D.0314.13

SEQ = 189577  
 SCALE =0.7500

**\*\*WARNING!\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
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 ITWBCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

|          |         |
|----------|---------|
| TC LL    | 46.2psf |
| TC DL    | 10.0psf |
| BC DL    | 10.0psf |
| BC LL    | 0.0psf  |
| TOT.LD.  | 66.2psf |
| DUR.FAC. | 1.15    |
| SPACING  | 24.0"   |

|          |            |
|----------|------------|
| REF      |            |
| DATE     | 10-12-2017 |
| DRWG     |            |
| O/A LEN. | 100502     |
| JOB #:   | HLY31140   |
| TYPE     | VAL        |

Top chord 2x4 SPF #1/#2  
 Bot chord 2x4 SPF #1/#2  
 Webs 2x4 SPF(S) #2

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

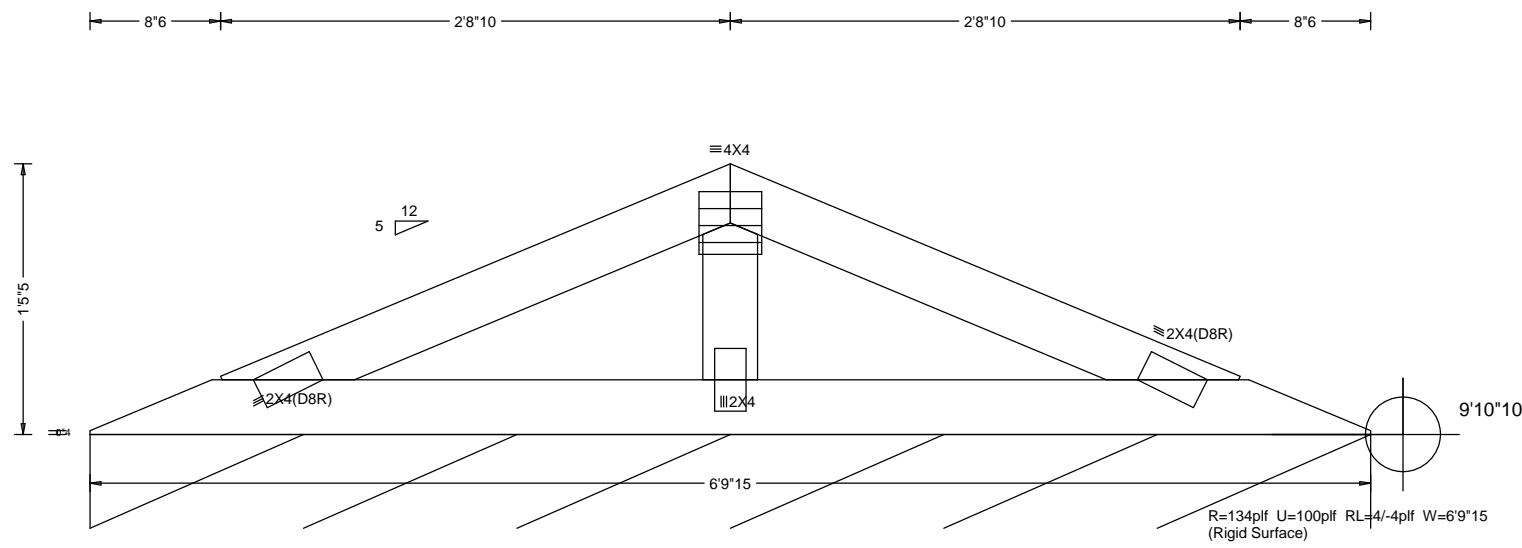
Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is 0.01" due to live load at X = 5-5-0 and 0.02" due to total load at X = 5-5-0. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Unbalanced snow loads have not been considered.



|  |  |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
|--|--|-----------------|--|--------------------------------|---------|-------|---------|-------|---------|-------|--------|---------|---------|----------|------|---------|-------|--|-----|--|------|------------|------|--|----------|-------|--------|----------|------|-----|
| PLT. TYP.-WAVE   | DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0) | QTY= 1 TOTAL= 1 | REV. 16.02.01D.0314.13   | SEQ = 189578<br>SCALE = 1.0000 |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
| <p><b>**WARNING!** READ AND FOLLOW ALL NOTES ON THIS DRAWING!</b><br/> <b>**IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.</b></p> <p>Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation &amp; bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see this job's general notes page and these web sites: ITWBGC: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org</p> |  |                 | <table border="1"> <tr><td>TC LL</td><td>46.2psf</td></tr> <tr><td>TC DL</td><td>10.0psf</td></tr> <tr><td>BC DL</td><td>10.0psf</td></tr> <tr><td>BC LL</td><td>0.0psf</td></tr> <tr><td>TOT.LD.</td><td>66.2psf</td></tr> <tr><td>DUR.FAC.</td><td>1.15</td></tr> <tr><td>SPACING</td><td>24.0"</td></tr> </table> | TC LL                          | 46.2psf | TC DL | 10.0psf | BC DL | 10.0psf | BC LL | 0.0psf | TOT.LD. | 66.2psf | DUR.FAC. | 1.15 | SPACING | 24.0" | <table border="1"> <tr><td>REF</td><td></td></tr> <tr><td>DATE</td><td>10-12-2017</td></tr> <tr><td>DRWG</td><td></td></tr> <tr><td>O/A LEN.</td><td>60915</td></tr> <tr><td>JOB #:</td><td>HLY31140</td></tr> <tr><td>TYPE</td><td>VAL</td></tr> </table> | REF |  | DATE | 10-12-2017 | DRWG |  | O/A LEN. | 60915 | JOB #: | HLY31140 | TYPE | VAL |
| TC LL  | 46.2psf  |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
| TC DL  | 10.0psf  |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
| BC DL  | 10.0psf  |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
| BC LL  | 0.0psf   |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
| TOT.LD.  | 66.2psf  |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
| DUR.FAC.   | 1.15   |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
| SPACING  | 24.0"  |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
| REF  |  |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
| DATE   | 10-12-2017                                       |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
| DRWG   |  |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
| O/A LEN.   | 60915  |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
| JOB #:   | HLY31140   |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |
| TYPE   | VAL  |                 |  |                                |         |       |         |       |         |       |        |         |         |          |      |         |       |  |     |  |      |            |      |  |          |       |        |          |      |     |

Top chord 2x4 SPF #1/#2  
 Bot chord 2x4 SPF #1/#2

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

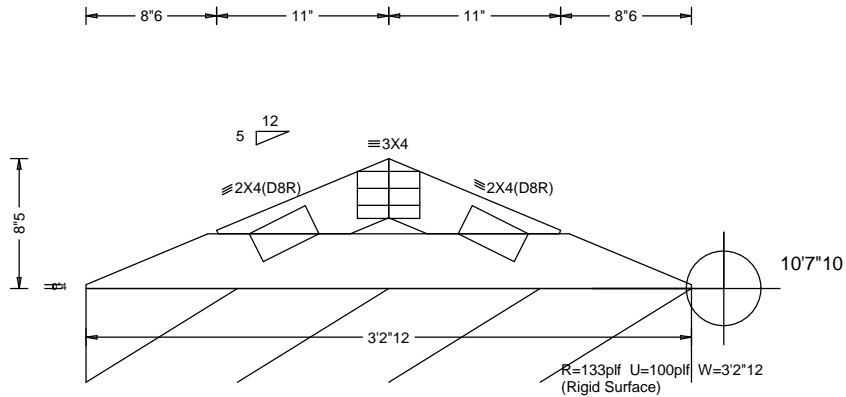
Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is 0.01" due to live load at X = 1-4-14 and 0.01" due to total load at X = 1-9-13. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Unbalanced snow loads have not been considered.



PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%/10(0))

QTY= 1 TOTAL= 1

REV. 16.02.01D.0314.13

SEQ = 189579  
 SCALE =1.0000

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|          |         |
|----------|---------|
| TC LL    | 46.2psf |
| TC DL    | 10.0psf |
| BC DL    | 10.0psf |
| BC LL    | 0.0psf  |
| TOT.LD.  | 66.2psf |
| DUR.FAC. | 1.15    |
| SPACING  | 24.0"   |

|          |            |
|----------|------------|
| REF      |            |
| DATE     | 10-12-2017 |
| DRWG     |            |
| O/A LEN. | 30212      |
| JOB #:   | HLY31140   |
| TYPE     | VAL        |

Top chord 2x6 SPF(S) #2  
 Bot chord 2x4 SPF(S) #2  
 Webs 2x4 SPF(S) #2

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.

All plates are 2X4 except as noted.

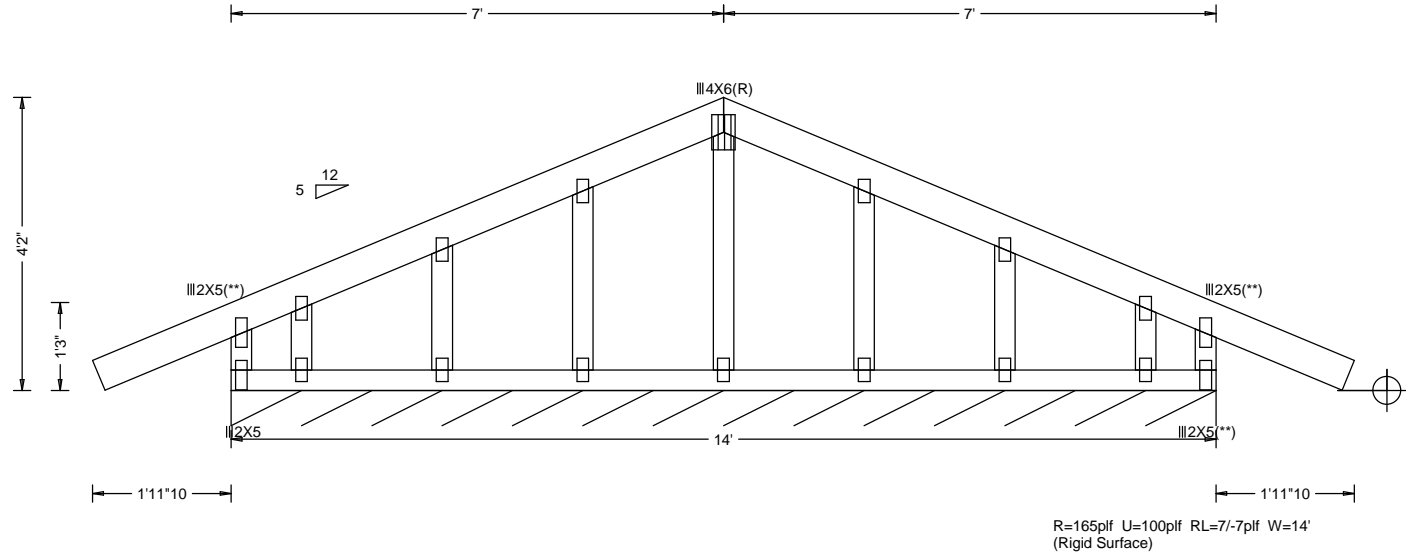
(\*\*) 3 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind loads and reactions based on MWFRS with additional C&C member design.

See DWGS A10015051014, GBLLETIN1014, & GABRST051014 for gable wind bracing and other requirements.

Calculated vertical deflection is -0.00" due to live load at X = 0-0-0 and -0.00" due to total load at X = 0-0-0. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Fasten rated sheathing to one face of this frame.



LEFT RAKE = 1'11"5

RIGHT RAKE = 1'11"5

PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 1 TOTAL= 1

REV. 16.02.01D.0314.13

SEQ = 189699  
 SCALE =0.3750

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|         |         |
|---------|---------|
| TC LL   | 46.2psf |
| TC DL   | 10.0psf |
| BC DL   | 10.0psf |
| BC LL   | 0.0psf  |
| TOT.LD. | 66.2psf |

|          |       |
|----------|-------|
| DUR.FAC. | 1.15  |
| SPACING  | 24.0" |

|          |            |
|----------|------------|
| REF      |            |
| DATE     | 10-12-2017 |
| DRWG     |            |
| O/A LEN. | 14         |
| JOB #:   | HLY31140   |
| TYPE     | GABL       |

Top chord 2x6 SPF(S) #2  
 Bot chord 2x4 SPF(S) #2  
 Webs 2x4 SPF(S) #2

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

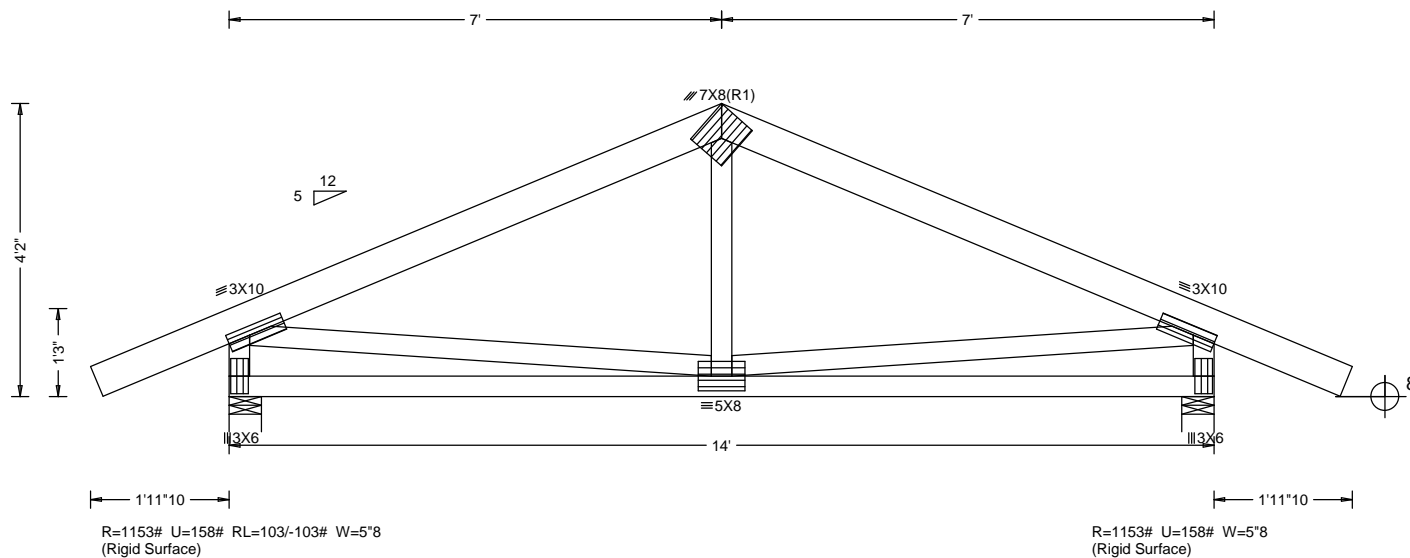
Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is 0.03" due to live load at X = 7-0-0 and 0.06" due to total load at X = 7-0-0. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.



LEFT RAKE = 1'11"5

RIGHT RAKE = 1'11"5

PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 2 TOTAL= 2

REV. 16.02.01D.0314.13

SEQ = 189693  
 SCALE = 0.3750

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Refer to drawings 160A-Z for standard plate positions.  
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|          |         |
|----------|---------|
| TC LL    | 46.2psf |
| TC DL    | 10.0psf |
| BC DL    | 10.0psf |
| BC LL    | 0.0psf  |
| TOT.LD.  | 66.2psf |
| DUR.FAC. | 1.15    |
| SPACING  | 24.0"   |

|          |            |
|----------|------------|
| REF      |            |
| DATE     | 10-12-2017 |
| DRWG     |            |
| O/A LEN. | 14         |
| JOB #:   | HLY31140   |
| TYPE     | COMN       |

Top chord 2x4 SPF #1/#2  
 Bot chord 2x4 SPF #1/#2  
 Webs 2x4 SPF(S) #2

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

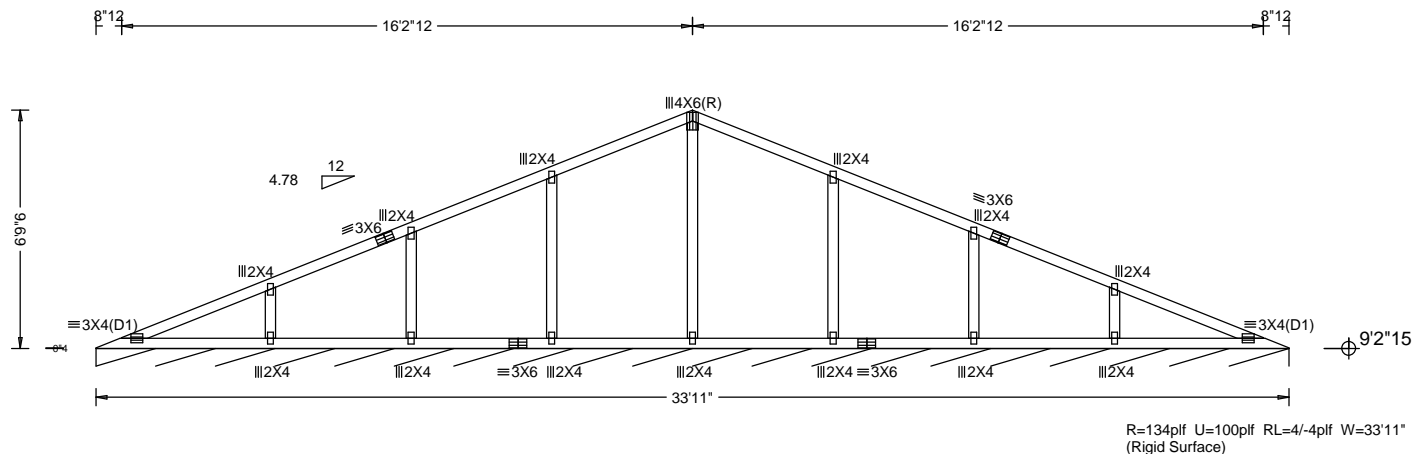
Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is 0.04" due to live load at X = 32-5-6 and 0.06" due to total load at X = 32-5-6. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.



PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 1 TOTAL= 1

REV. 16.02.01D.0314.13

SEQ = 189672  
 SCALE = 0.1875

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|          |         |
|----------|---------|
| TC LL    | 46.2psf |
| TC DL    | 10.0psf |
| BC DL    | 10.0psf |
| BC LL    | 0.0psf  |
| TOT.LD.  | 66.2psf |
| DUR.FAC. | 1.15    |
| SPACING  | 24.0"   |

|          |            |
|----------|------------|
| REF      |            |
| DATE     | 10-12-2017 |
| DRWG     |            |
| O/A LEN. | 331100     |
| JOB #:   | HLY31140   |
| TYPE     | VAL        |

Top chord 2x4 SPF #1/#2  
 Bot chord 2x4 SPF #1/#2  
 Webs 2x4 SPF(S) #2

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

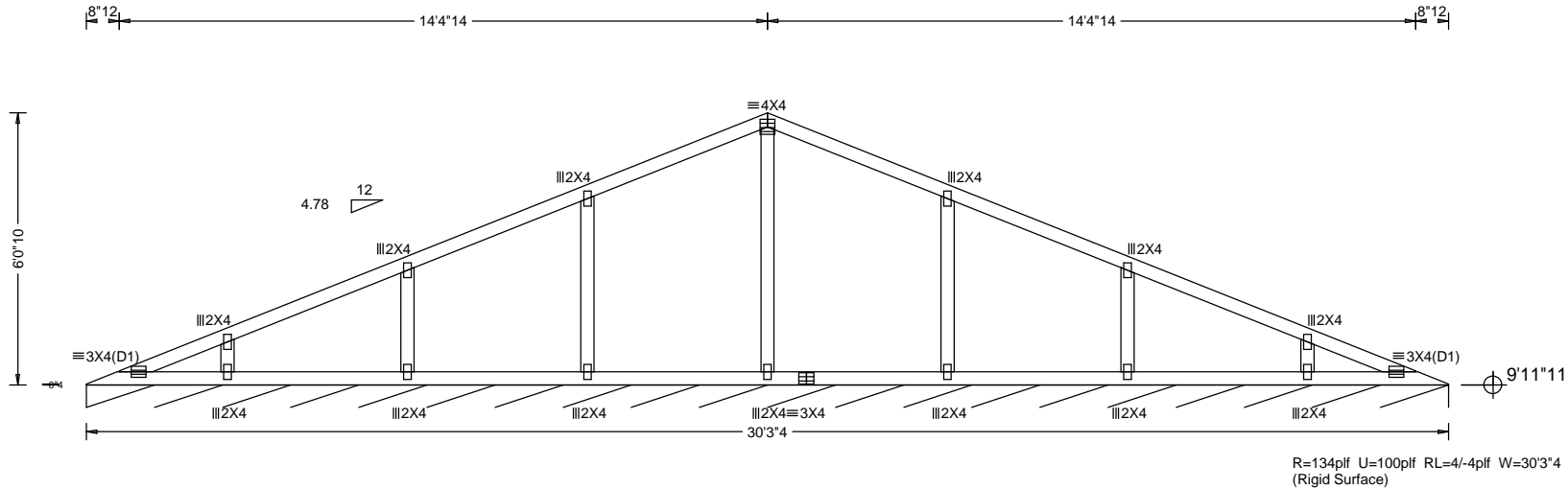
Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is 0.01" due to live load at X = 28-9-10 and 0.01" due to total load at X = 28-9-10. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.



PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%/10(0))

QTY= 1 TOTAL= 1

REV. 16.02.01D.0314.13

SEQ = 189673  
 SCALE = 0.2500

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|          |         |
|----------|---------|
| TC LL    | 46.2psf |
| TC DL    | 10.0psf |
| BC DL    | 10.0psf |
| BC LL    | 0.0psf  |
| TOT.LD.  | 66.2psf |
| DUR.FAC. | 1.15    |
| SPACING  | 24.0"   |

|          |            |
|----------|------------|
| REF      |            |
| DATE     | 10-12-2017 |
| DRWG     |            |
| O/A LEN. | 300304     |
| JOB #:   | HLY31140   |
| TYPE     | VAL        |

Top chord 2x4 SPF #1/#2  
 Bot chord 2x4 SPF #1/#2  
 Webs 2x4 SPF(S) #2

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

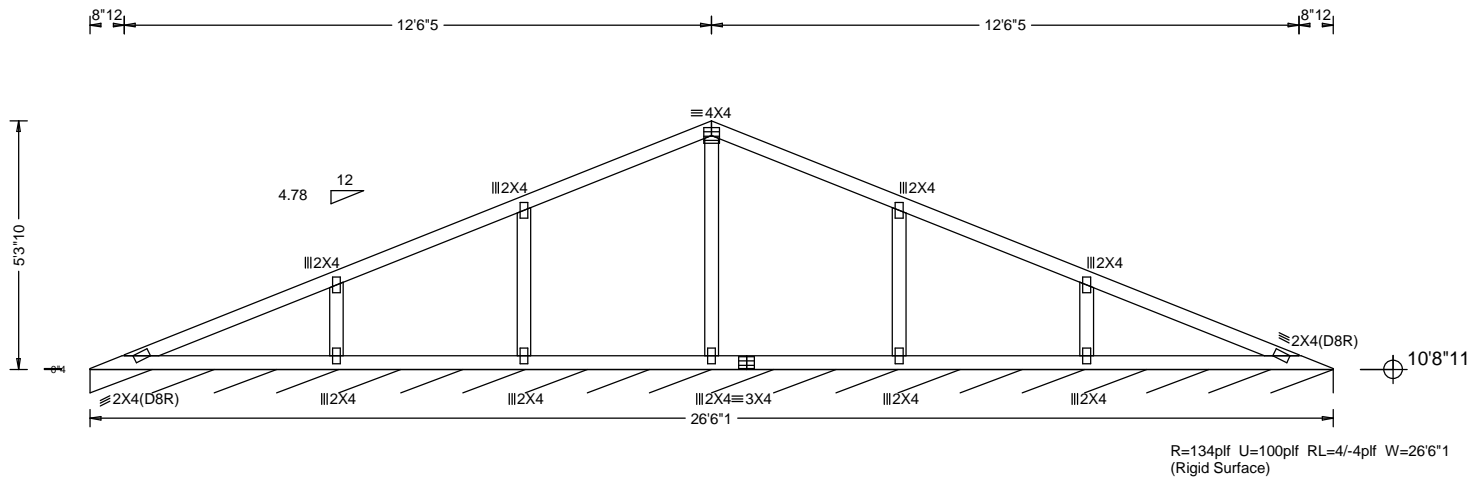
Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is 0.04" due to live load at X = 1-5-10 and 0.07" due to total load at X = 1-5-10. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.



PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%/10(0))

QTY= 1 TOTAL= 1

REV. 16.02.01D.0314.13

SEQ = 189674  
 SCALE =0.2500

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 ITWBCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

|          |         |
|----------|---------|
| TC LL    | 46.2psf |
| TC DL    | 10.0psf |
| BC DL    | 10.0psf |
| BC LL    | 0.0psf  |
| TOT.LD.  | 66.2psf |
| DUR.FAC. | 1.15    |
| SPACING  | 24.0"   |

|          |            |
|----------|------------|
| REF      |            |
| DATE     | 10-12-2017 |
| DRWG     |            |
| O/A LEN. | 260601     |
| JOB #:   | HLY31140   |
| TYPE     | VAL        |



Top chord 2x4 SPF #1/#2  
 Bot chord 2x4 SPF #1/#2  
 Webs 2x4 SPF(S) #2

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

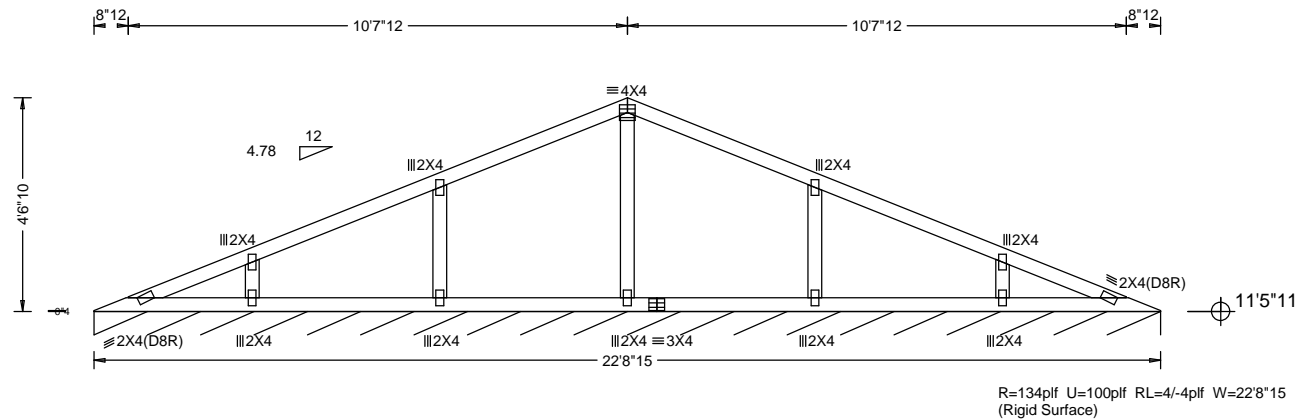
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

Wind loads and reactions based on MWFRS with additional C&C member design.

Calculated vertical deflection is 0.01" due to live load at X = 1-5-10 and 0.01" due to total load at X = 1-5-10. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.



PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%/10(0))

QTY= 1 TOTAL= 1

REV. 16.02.01D.0314.13

SEQ = 189675  
 SCALE =0.2500

**\*\*WARNING!\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
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Refer to drawings 160A-Z for standard plate positions.  
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|          |         |                 |
|----------|---------|-----------------|
| TC LL    | 46.2psf | REF             |
| TC DL    | 10.0psf | DATE 10-12-2017 |
| BC DL    | 10.0psf | DRWG            |
| BC LL    | 0.0psf  |                 |
| TOT.LD.  | 66.2psf | O/A LEN. 220815 |
| DUR.FAC. | 1.15    | JOB #: HLY31140 |
| SPACING  | 24.0"   | TYPE VAL        |

Top chord 2x4 SPF #1/#2  
 Bot chord 2x4 SPF #1/#2  
 Webs 2x4 SPF(S) #2

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

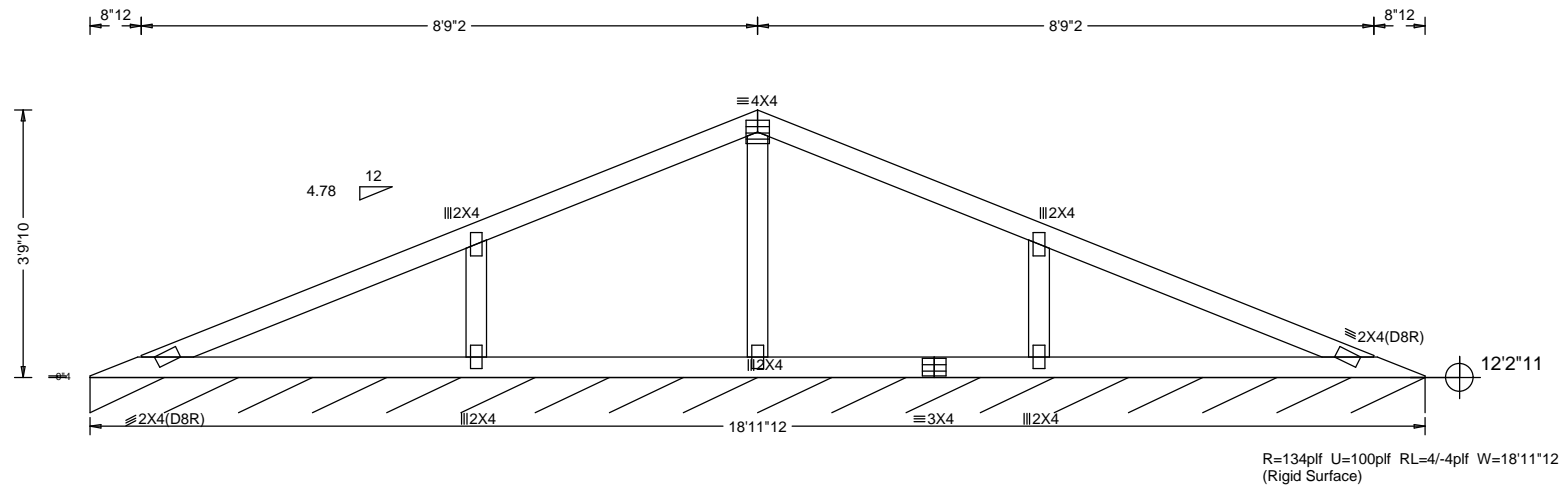
Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is 0.04" due to live load at X = 1-5-10 and 0.07" due to total load at X = 1-5-10. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.



R=134plf U=100plf RL=4/-4plf W=18'11\"/>
 (Rigid Surface)

|   |  |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
|---|--|-----------------|--|-------------------------------|---------|-------|---------|-------|---------|-------|--------|---------|---------|----------|------|---------|-------|---|-----|--|------|------------|------|--|----------|--------|--------|----------|------|-----|
| PLT. TYP.-WAVE  | DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0) | QTY= 1 TOTAL= 1 | REV. 16.02.01D.0314.13   | SEQ = 189676<br>SCALE =0.3750 |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
| <p><b>**WARNING!** READ AND FOLLOW ALL NOTES ON THIS DRAWING!<br/>                 **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.</b></p> <p>Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation &amp; bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see this job's general notes page and these web sites: ITWBCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org</p> |  |                 | <table border="1"> <tr><td>TC LL</td><td>46.2psf</td></tr> <tr><td>TC DL</td><td>10.0psf</td></tr> <tr><td>BC DL</td><td>10.0psf</td></tr> <tr><td>BC LL</td><td>0.0psf</td></tr> <tr><td>TOT.LD.</td><td>66.2psf</td></tr> <tr><td>DUR.FAC.</td><td>1.15</td></tr> <tr><td>SPACING</td><td>24.0"</td></tr> </table> | TC LL                         | 46.2psf | TC DL | 10.0psf | BC DL | 10.0psf | BC LL | 0.0psf | TOT.LD. | 66.2psf | DUR.FAC. | 1.15 | SPACING | 24.0" | <table border="1"> <tr><td>REF</td><td></td></tr> <tr><td>DATE</td><td>10-12-2017</td></tr> <tr><td>DRWG</td><td></td></tr> <tr><td>O/A LEN.</td><td>181112</td></tr> <tr><td>JOB #:</td><td>HLY31140</td></tr> <tr><td>TYPE</td><td>VAL</td></tr> </table> | REF |  | DATE | 10-12-2017 | DRWG |  | O/A LEN. | 181112 | JOB #: | HLY31140 | TYPE | VAL |
| TC LL   | 46.2psf  |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
| TC DL   | 10.0psf  |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
| BC DL   | 10.0psf  |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
| BC LL   | 0.0psf   |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
| TOT.LD.   | 66.2psf  |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
| DUR.FAC.  | 1.15   |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
| SPACING   | 24.0"  |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
| REF   |  |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
| DATE  | 10-12-2017                                       |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
| DRWG  |  |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
| O/A LEN.  | 181112   |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
| JOB #:  | HLY31140   |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |
| TYPE  | VAL  |                 |  |                               |         |       |         |       |         |       |        |         |         |          |      |         |       |   |     |  |      |            |      |  |          |        |        |          |      |     |

Top chord 2x4 SPF #1/#2  
 Bot chord 2x4 SPF #1/#2  
 Webs 2x4 SPF(S) #2

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

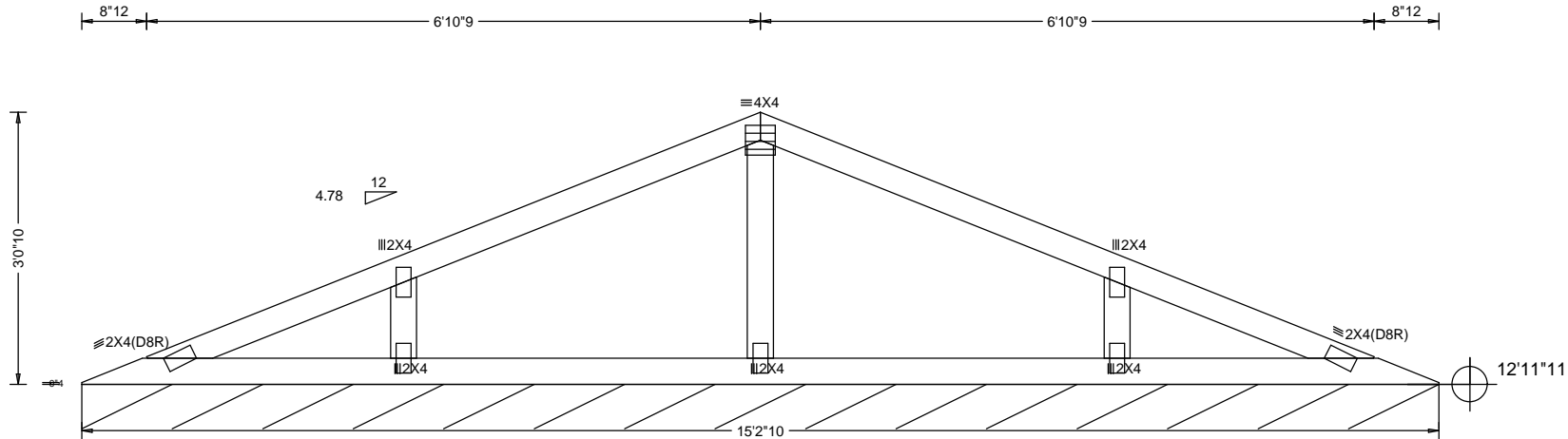
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

Wind loads and reactions based on MWFRS with additional C&C member design.

Calculated vertical deflection is 0.01" due to live load at X = 13-9-0 and 0.01" due to total load at X = 13-9-0. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.



R=134plf U=100plf RL=4/-4plf W=15'2"10  
 (Rigid Surface)

PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%/10(0))

QTY= 1 TOTAL= 1

REV. 16.02.01D.0314.13

SEQ = 189677  
 SCALE =0.5000

**\*\*WARNING!\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
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|          |         |
|----------|---------|
| TC LL    | 46.2psf |
| TC DL    | 10.0psf |
| BC DL    | 10.0psf |
| BC LL    | 0.0psf  |
| TOT.LD.  | 66.2psf |
| DUR.FAC. | 1.15    |
| SPACING  | 24.0"   |

|          |            |
|----------|------------|
| REF      |            |
| DATE     | 10-12-2017 |
| DRWG     |            |
| O/A LEN. | 150210     |
| JOB #:   | HLY31140   |
| TYPE     | VAL        |

Top chord 2x4 SPF #1/#2  
 Bot chord 2x4 SPF #1/#2  
 Webs 2x4 SPF(S) #2

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

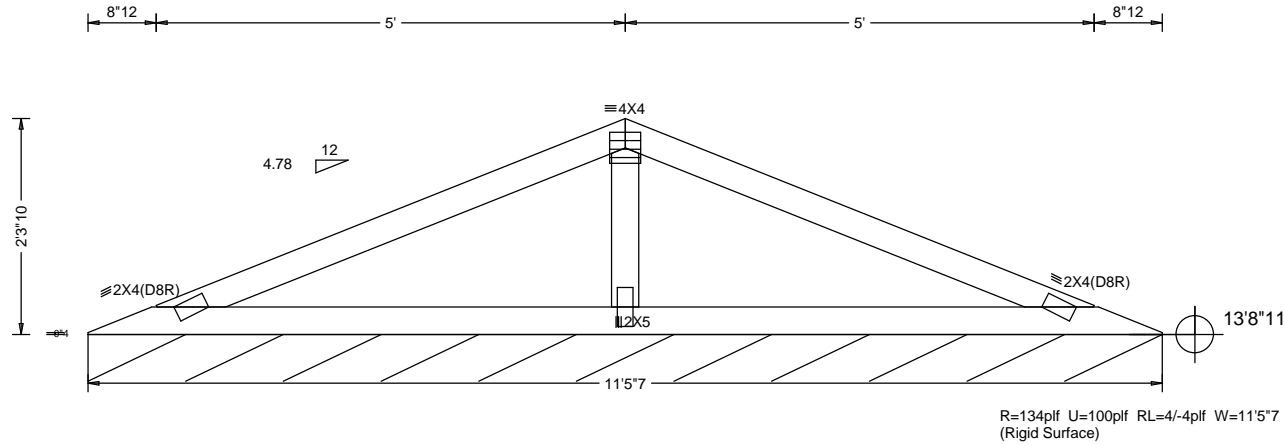
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

100 mph wind, 15.03 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

Wind loads and reactions based on MWFRS with additional C&C member design.

Calculated vertical deflection is 0.06" due to live load at X = 9-11-14 and 0.12" due to total load at X = 9-11-14. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.



PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 1 TOTAL= 1

REV. 16.02.01D.0314.13

SEQ = 189678  
 SCALE =0.5000

**\*\*WARNING!\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
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|          |         |
|----------|---------|
| TC LL    | 46.2psf |
| TC DL    | 10.0psf |
| BC DL    | 10.0psf |
| BC LL    | 0.0psf  |
| TOT.LD.  | 66.2psf |
| DUR.FAC. | 1.15    |
| SPACING  | 24.0"   |

|          |            |
|----------|------------|
| REF      |            |
| DATE     | 10-12-2017 |
| DRWG     |            |
| O/A LEN. | 110507     |
| JOB #:   | HLY31140   |
| TYPE     | VAL        |

Top chord 2x4 SPF #1/#2  
 Bot chord 2x4 SPF #1/#2  
 Webs 2x4 SPF(S) #2

100 mph wind, 15.40 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

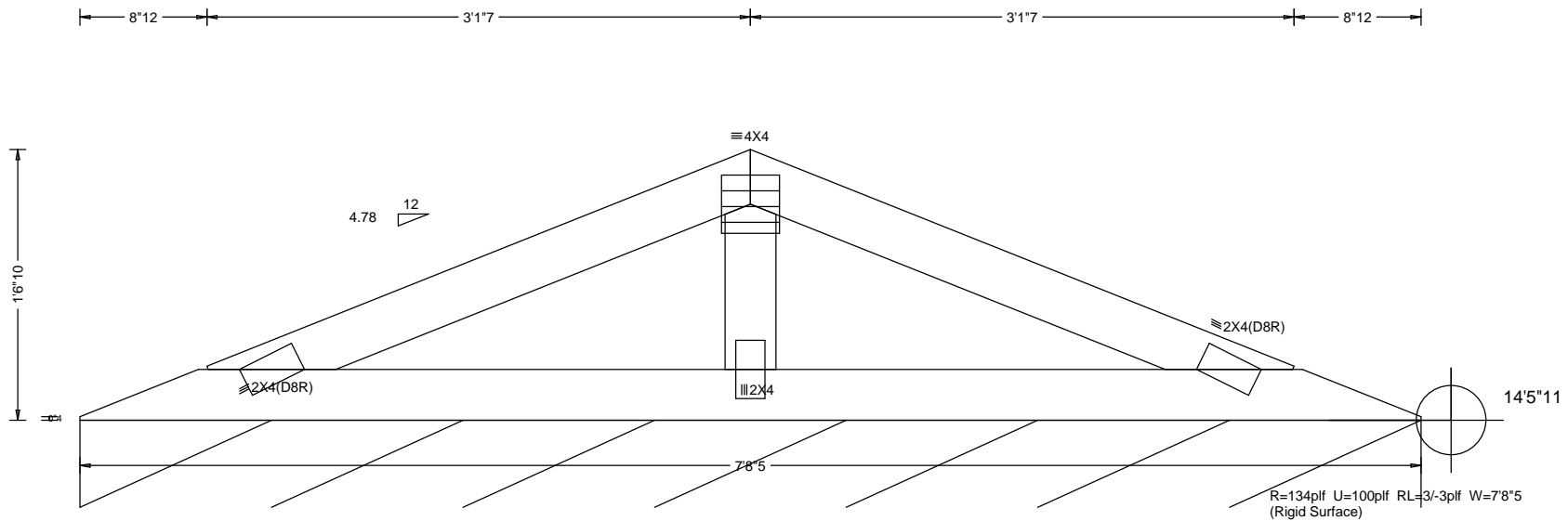
Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is 0.02" due to live load at X = 6-2-11 and 0.03" due to total load at X = 6-2-11. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Unbalanced snow loads have not been considered.



PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 1 TOTAL= 1

REV. 16.02.01D.0314.13

SEQ = 189679  
 SCALE = 1.0000

**\*\*WARNING!\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
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|          |         |
|----------|---------|
| TC LL    | 46.2psf |
| TC DL    | 10.0psf |
| BC DL    | 10.0psf |
| BC LL    | 0.0psf  |
| TOT.LD.  | 66.2psf |
| DUR.FAC. | 1.15    |
| SPACING  | 24.0"   |

|          |            |
|----------|------------|
| REF      |            |
| DATE     | 10-12-2017 |
| DRWG     |            |
| O/A LEN. | 70805      |
| JOB #:   | HLY31140   |
| TYPE     | VAL        |

Top chord 2x4 SPF #1/#2  
 Bot chord 2x4 SPF #1/#2

100 mph wind, 15.78 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

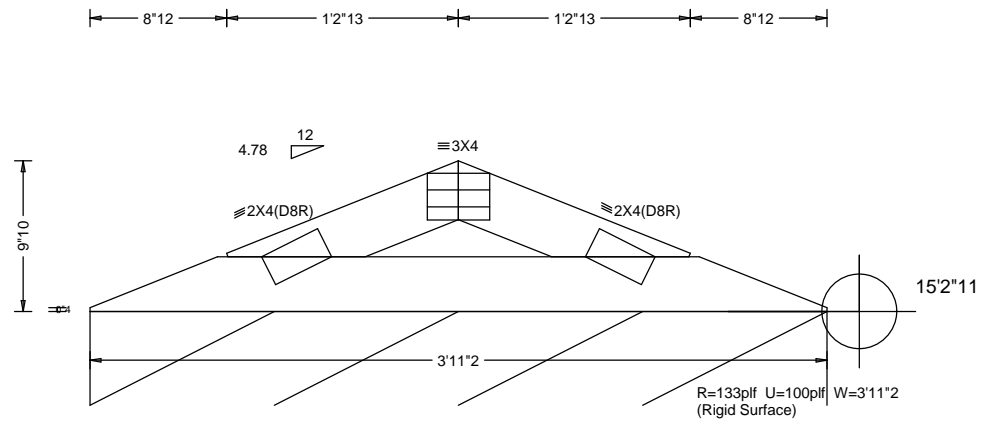
Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is 0.01" due to live load at X = 2-5-9 and 0.02" due to total load at X = 2-5-9. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Unbalanced snow loads have not been considered.



PLT. TYP.-WAVE      DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0)      QTY= 1 TOTAL= 1      REV. 16.02.01D.0314.13      SEQ = 189680 SCALE =1.0000

**\*\*WARNING!\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
 \*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to drawings 160A-Z for standard plate positions.  
 ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

**A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.**

For more information see this job's general notes page and these web sites:  
 ITWBGC: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

|          |         |                 |
|----------|---------|-----------------|
| TC LL    | 46.2psf | REF             |
| TC DL    | 10.0psf | DATE 10-12-2017 |
| BC DL    | 10.0psf | DRWG            |
| BC LL    | 0.0psf  |                 |
| TOT.LD.  | 66.2psf | O/A LEN. 31102  |
| DUR.FAC. | 1.15    | JOB #: HLY31140 |
| SPACING  | 24.0"   | TYPE VAL        |

Top chord 2x4 SPF(S) #2 :T1 2x6 SPF(S) #2:  
 Bot chord 2x4 SPF(S) #2  
 Webs 2x4 SPF(S) #2 :W2, W4 2x4 SPF 2100f-1.8E:

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

See DWGS A10015051014, GBLLETIN1014, & GABRST051014 for gable wind bracing and other requirements.

Calculated vertical deflection is 0.07" due to live load at X = 0-0-0 and 0.13" due to total load at X = 0-0-0. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.

All plates are 2X4 except as noted.

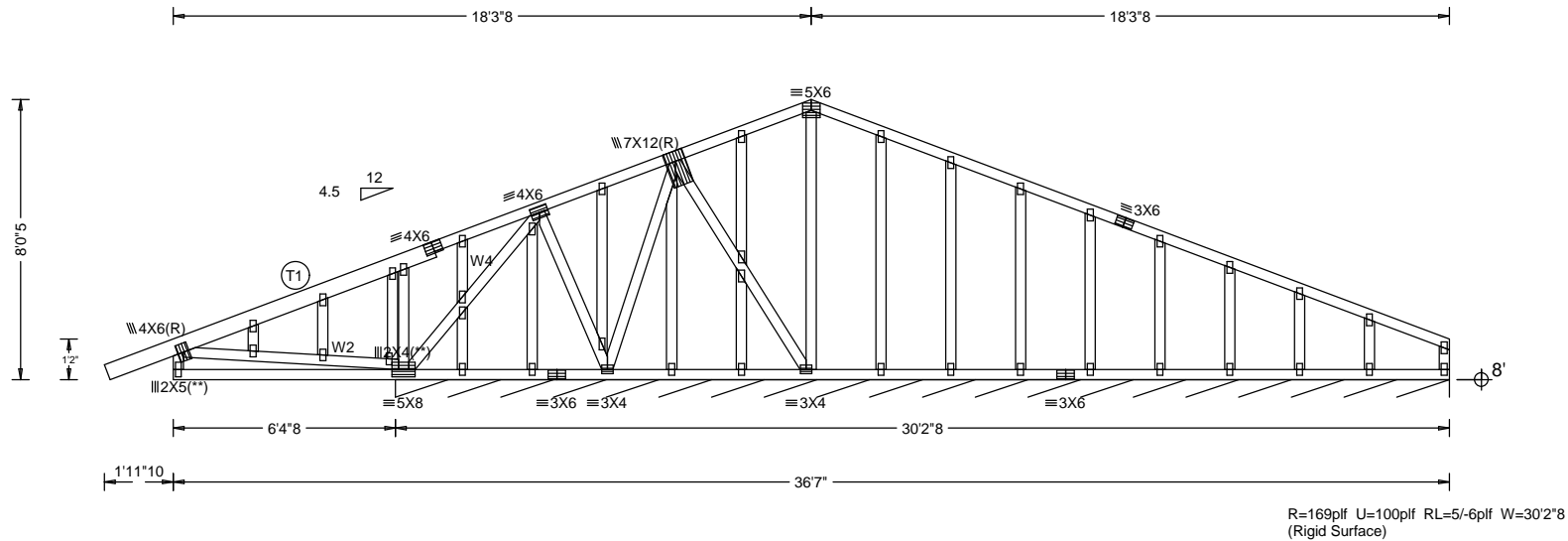
(\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind loads and reactions based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



LEFT RAKE = 1'11"3

PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 1 TOTAL= 1

REV. 16.02.01D.0314.13

SEQ = 189704  
 SCALE = 0.1875

**\*\*WARNING!\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
 \*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites:  
 ITWBGC: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

|          |         |
|----------|---------|
| TC LL    | 46.2psf |
| TC DL    | 10.0psf |
| BC DL    | 10.0psf |
| BC LL    | 0.0psf  |
| TOT.LD.  | 66.2psf |
| DUR.FAC. | 1.15    |
| SPACING  | 24.0"   |

|          |            |
|----------|------------|
| REF      |            |
| DATE     | 10-12-2017 |
| DRWG     |            |
| O/A LEN. | 360700     |
| JOB #:   | HLY31140   |
| TYPE     | GABL       |

Top chord 2x4 SPF 2100f-1.8E :T1 2x6 SPF(S) #2:  
 :T4 2x4 SPF(S) #2:  
 Bot chord 2x4 SPF 2100f-1.8E :B1 2x4 SPF(S) #2:  
 Webs 2x4 SPF(S) #2

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

(J) Hanger Support Required, by others

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.

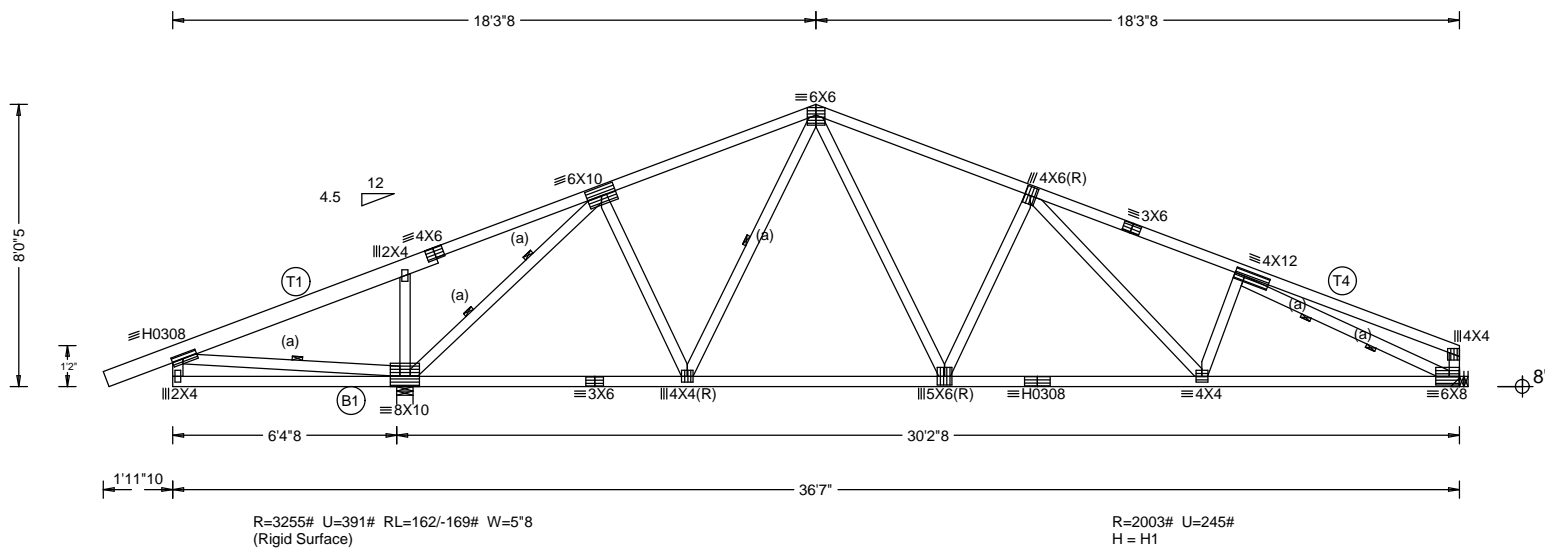
Brg blocks:0.131"x3", min. nails  
 brg x-loc #blocks length/blk #nails/blk wall plate  
 1 6.375' 1 12" 4 Rigid Surface  
 Brg block to be same size and species as chord.  
 Refer to drawing CNNAILSP1014 for more information.

Wind loads and reactions based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

(a) Continuous lateral restraint equally spaced on member.

Calculated vertical deflection is 0.06" due to live load at X = 0-0-0 and 0.10" due to total load at X = 0-0-0. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



LEFT RAKE = 1'11"3

PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 7 TOTAL= 7

REV. 16.02.01D.0314.13

SEQ = 189707  
 SCALE =0.1875

**\*\*WARNING!\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
 \*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites:  
 ITWBGC: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

|          |         |                 |
|----------|---------|-----------------|
| TC LL    | 46.2psf | REF             |
| TC DL    | 10.0psf | DATE 10-12-2017 |
| BC DL    | 10.0psf | DRWG            |
| BC LL    | 0.0psf  |                 |
| TOT.LD.  | 66.2psf | O/A LEN. 360700 |
| DUR.FAC. | 1.15    | JOB #: HLY31140 |
| SPACING  | 24.0"   | TYPE COMN       |



Top chord 2x6 SPF(S) #2 :T2, T3 2x4 SPF 2100f-1.8E:  
 Bot chord 2x4 SPF 2100f-1.8E  
 Webs 2x4 SPF(S) #2 :W2, W8 2x4 SPF 2100f-1.8E:

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

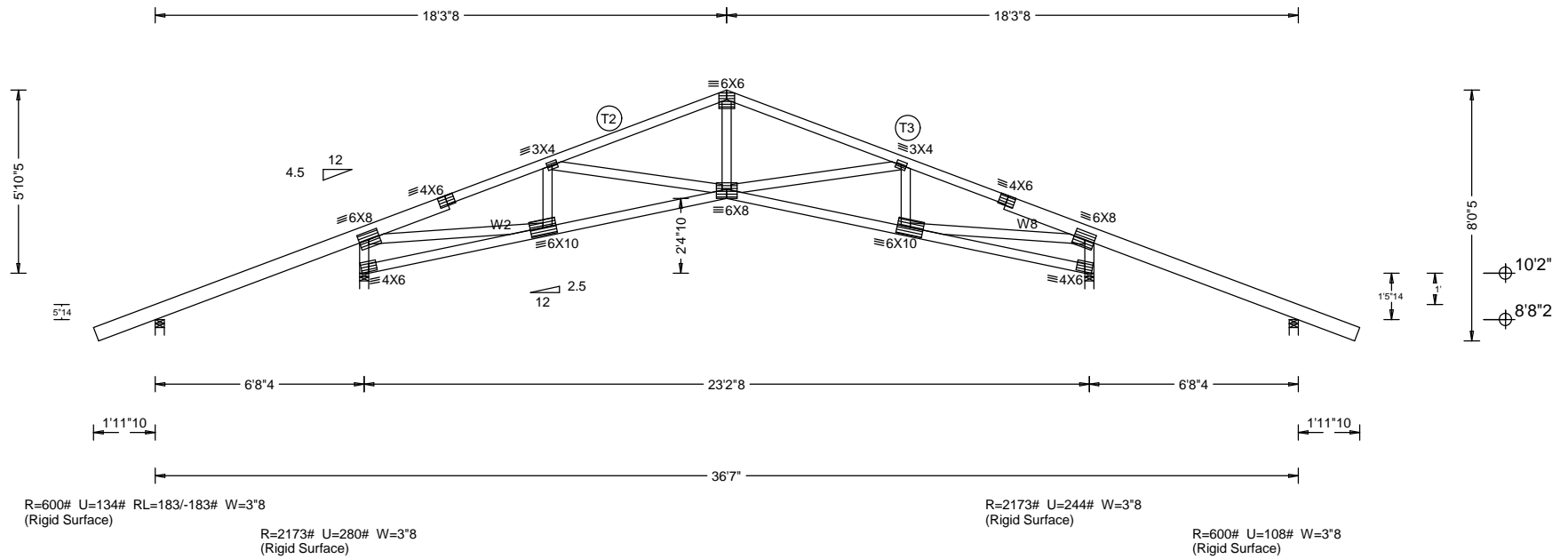
Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is 0.22" due to live load at X = 18-3-8 and 0.36" due to total load at X = 18-3-8. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Shim all supports to solid bearing.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.



LEFT RAKE = 8'11"

RIGHT RAKE = 8'11"

|   |  |                   |  |   |
|---|--|-------------------|--|---|
| PLT. TYP.-WAVE  | DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%/10(0)) | QTY= 11 TOTAL= 11 | REV. 16.02.01D.0314.13   | SEQ = 113066<br>SCALE =0.1875   |
| <p><b>**WARNING!** READ AND FOLLOW ALL NOTES ON THIS DRAWING!<br/>                 **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.</b></p> <p>Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation &amp; bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.</p> <p>For more information see this job's general notes page and these web sites:<br/>                 ITWBCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org</p> |  |                   | TC LL 46.2psf<br>TC DL 10.0psf<br>BC DL 10.0psf<br>BC LL 0.0psf<br>TOT.LD. 66.2psf<br>DUR.FAC. 1.15<br>SPACING 24.0" | REF<br>DATE 10-12-2017<br>DRWG<br>O/A LEN. 360700<br>JOB #: HLY31140<br>TYPE COMN |

Top chord 2x4 SPF 2100f-1.8E :T1 2x6 SPF(S) #2:  
 Bot chord 2x4 SPF 2100f-1.8E :B3 2x4 SPF(S) #2:  
 Webs 2x4 SPF(S) #2 :W2, W11 2x4 SPF 2100f-1.8E:

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Right cantilever is exposed to wind

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

Calculated horizontal deflection is 0.35" due to live load and 0.28" due to dead load.

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

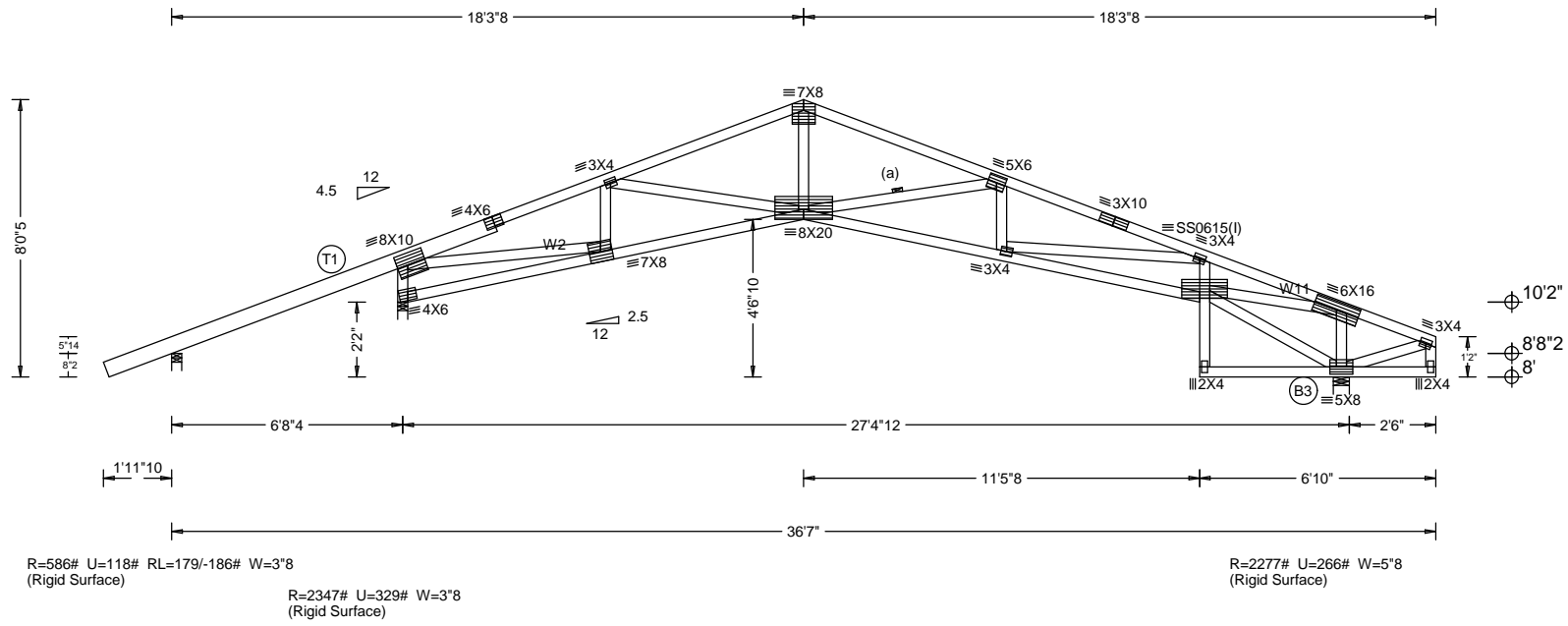
(a) Continuous lateral restraint equally spaced on member.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is -0.23" due to live load at X = 36-7-0 and -0.40" due to total load at X = 36-7-0. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.

Shim all supports to solid bearing.



LEFT RAKE = 8'11"

|  |  |                 |  |   |
|--|--|-----------------|--|---|
| PLT. TYP.-WAVE   | DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%/10(0)) | QTY= 3 TOTAL= 3 | REV. 16.02.01D.0314.13   | SEQ = 113077<br>SCALE =0.1875   |
| <p><b>**WARNING!** READ AND FOLLOW ALL NOTES ON THIS DRAWING!<br/>                 **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.</b></p> <p>Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation &amp; bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see this job's general notes page and these web sites: ITWBCG: www.itwbcg.com; TPI: www.tpiinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org</p> |  |                 | TC LL 46.2psf<br>TC DL 10.0psf<br>BC DL 10.0psf<br>BC LL 0.0psf<br>TOT.LD. 66.2psf<br>DUR.FAC. 1.15<br>SPACING 24.0" | REF<br>DATE 10-12-2017<br>DRWG<br>O/A LEN. 360700<br>JOB #: HLY31140<br>TYPE COMN |

Top chord 2x6 SPF 2100f-1.8E :T1 2x6 SP 2400f-2.0E:  
 Bot chord 2x6 SPF(S) #2 :B2 2x4 SP #1/#2:  
 :B3 2x4 SP 2400f-2.0E: :B4 2x4 SP(S) #2:  
 Webs 2x4 SPF(S) #2  
 :W2, W3, W4, W8, W14 2x4 SPF 2100f-1.8E:  
 :Lt Slider 2x6 SPF(S) #2: BLOCK LENGTH = 1.500'

All plates are 8X20 except as noted.

| ID | PITCH | -----LUMBER-----   | AXL  | BND  | CSI  | LOC-ft | FORCE  |
|----|-------|--------------------|------|------|------|--------|--------|
| T1 | 4.5   | 2x6 SP 2400f-2.0E  | 0.22 | 0.76 | 0.97 | 7.20   | -11856 |
| T2 | 4.5   | 2x6 SPF 2100f-1.8E | 0.24 | 0.70 | 0.93 | 9.35   | -8977  |
| T3 | -4.5  | 2x6 SPF 2100f-1.8E | 0.18 | 0.43 | 0.61 | 27.24  | -7834  |
| T4 | -4.5  | 2x6 SPF 2100f-1.8E | 0.18 | 0.45 | 0.63 | 28.02  | -7937  |
| B1 | 0.0   | 2x6 SPF(S) #2      | 0.69 | 0.12 | 0.81 | 3.20   | 3283   |
| B2 | 2.5   | 2x4 SPF #1/#2      | 2.55 | 0.25 | 2.81 | 8.88   | 11451  |
| B3 | -2.5  | 2x4 SP 2400f-2.0E  | 0.59 | 0.13 | 0.72 | 27.23  | 7549   |
| B4 | 0.0   | 2x4 SPF(S) #2      | 0.03 | 0.15 | 0.18 | 33.85  | 87     |

WARNING! 3 UNPLATED JOINT(S)

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

Calculated horizontal deflections of 1.76" (TL) and 1.06" (LL) exceed TPI limits of 1.25" due to total load and 0.75" due to live load. Building designer must determine that this movement is acceptable.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.

WARNING! CSI EXCEEDS 1.00 (2.81)

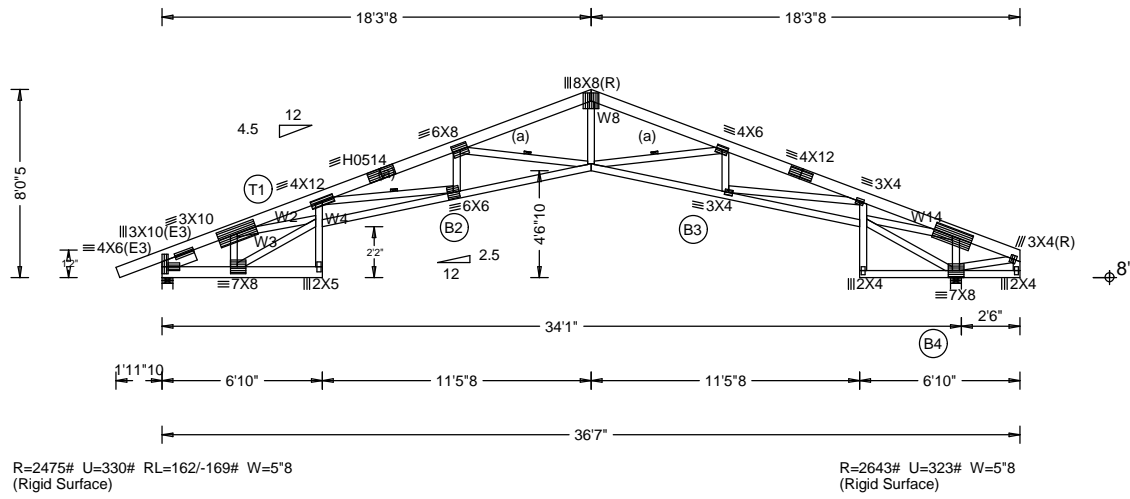
Wind loads and reactions based on MWFRS with additional C&C member design.

Right cantilever is exposed to wind

(a) Continuous lateral restraint equally spaced on member.

Calculated vertical deflection is -0.38" due to live load at X = 36-7-0 and -0.63" due to total load at X = 36-7-0. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



LEFT RAKE = 1'11"3

|   |  |                 |  |   |
|---|--|-----------------|--|---|
| PLT. TYP.-WAVE  | DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0) | QTY= 5 TOTAL= 5 | REV. 16.02.01D.0314.13   | SEQ = 113088<br>SCALE =0.1250   |
| <p><b>**WARNING!** READ AND FOLLOW ALL NOTES ON THIS DRAWING!<br/>                 **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.</b></p> <p>Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation &amp; bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.</p> <p>For more information see this job's general notes page and these web sites:<br/>                 ITWBCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org</p> |  |                 | TC LL 46.2psf<br>TC DL 10.0psf<br>BC DL 10.0psf<br>BC LL 0.0psf<br>TOT.LD. 66.2psf<br>DUR.FAC. 1.15<br>SPACING 24.0" | REF<br>DATE 10-12-2017<br>DRWG<br>O/A LEN. 360700<br>JOB #: HLY31140<br>TYPE COMN |

Top chord 2x4 SPF 2100f-1.8E :T1 2x6 SPF(S) #2:  
 Bot chord 2x4 SPF 2100f-1.8E  
 Webs 2x4 SPF(S) #2 :W2, W10 2x4 SPF 2100f-1.8E:

(a) Continuous lateral restraint equally spaced on member.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

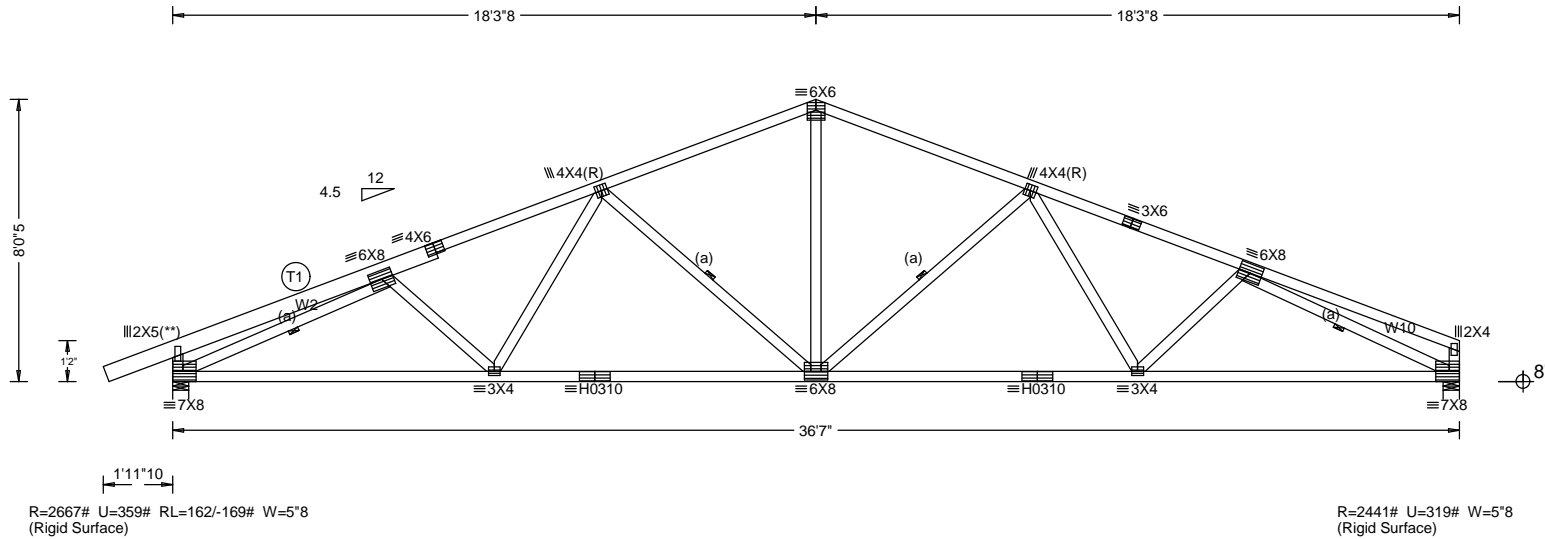
Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.

(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

Wind loads and reactions based on MWFRS with additional C&C member design.

Calculated vertical deflection is 0.30" due to live load at X = 18-3-8 and 0.50" due to total load at X = 18-3-8. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



LEFT RAKE = 1'11"3

|   |  |                 |  |   |
|---|--|-----------------|--|---|
| PLT. TYP.-WAVE  | DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0) | QTY= 9 TOTAL= 9 | REV. 16.02.01D.0314.13   | SEQ = 189732<br>SCALE =0.1875   |
| <p><b>**WARNING!** READ AND FOLLOW ALL NOTES ON THIS DRAWING!</b><br/> <b>**IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.</b></p> <p>Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation &amp; bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.</p> <p>For more information see this job's general notes page and these web sites:<br/>                 ITWBCG: www.itwbcg.com; TPI: www.tpiinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org</p> |  |                 | TC LL 46.2psf<br>TC DL 10.0psf<br>BC DL 10.0psf<br>BC LL 0.0psf<br>TOT.LD. 66.2psf<br>DUR.FAC. 1.15<br>SPACING 24.0" | REF<br>DATE 10-12-2017<br>DRWG<br>O/A LEN. 360700<br>JOB #: HLY31140<br>TYPE COMN |

Top chord 2x4 SPF(S) #2 :T1 2x6 SPF(S) #2:  
 Bot chord 2x4 SPF(S) #2  
 Webs 2x4 SPF(S) #2

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

See DWGS A10015051014, GBLLETIN1014, & GABRST051014 for gable wind bracing and other requirements.

Calculated vertical deflection is -0.00" due to live load at X = 0-0-0 and -0.00" due to total load at X = 0-0-0. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.

All plates are 2X4 except as noted.

(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

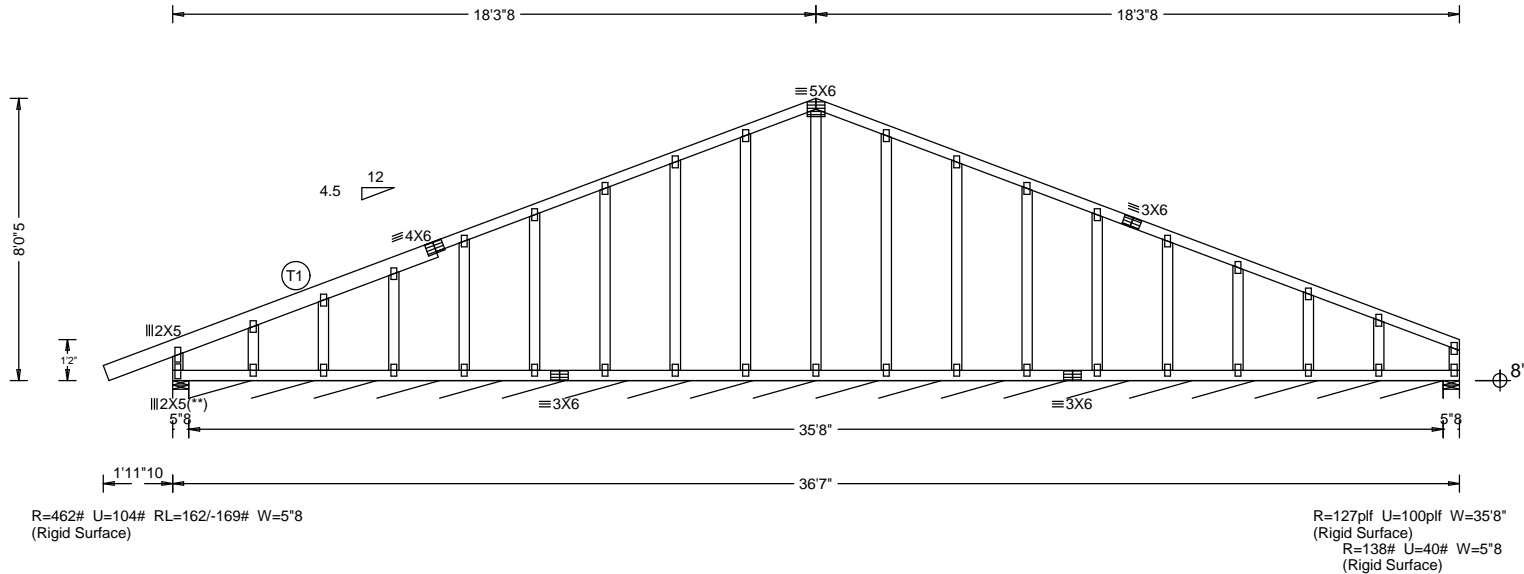
Wind loads and reactions based on MWFRS with additional C&C member design.

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Fasten rated sheathing to one face of this frame.



LEFT RAKE = 1'11"3

PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 1 TOTAL= 1

REV. 16.02.01D.0314.13

SEQ = 189738  
 SCALE =0.1875

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 \*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

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Refer to drawings 160A-Z for standard plate positions.

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 ITWBGC: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

|          |         |
|----------|---------|
| TC LL    | 46.2psf |
| TC DL    | 10.0psf |
| BC DL    | 10.0psf |
| BC LL    | 0.0psf  |
| TOT.LD.  | 66.2psf |
| DUR.FAC. | 1.15    |
| SPACING  | 24.0"   |

|          |            |
|----------|------------|
| REF      |            |
| DATE     | 10-12-2017 |
| DRWG     |            |
| O/A LEN. | 360700     |
| JOB #:   | HLY31140   |
| TYPE     | GABL       |

Top chord 2x4 SPF(S) #2  
 Bot chord 2x4 SPF(S) #2  
 Webs 2x4 SPF(S) #2

See DWGS A10015051014, GBLLETIN1014, & GABRST051014 for gable wind bracing and other requirements.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Fasten rated sheathing to one face of this frame.

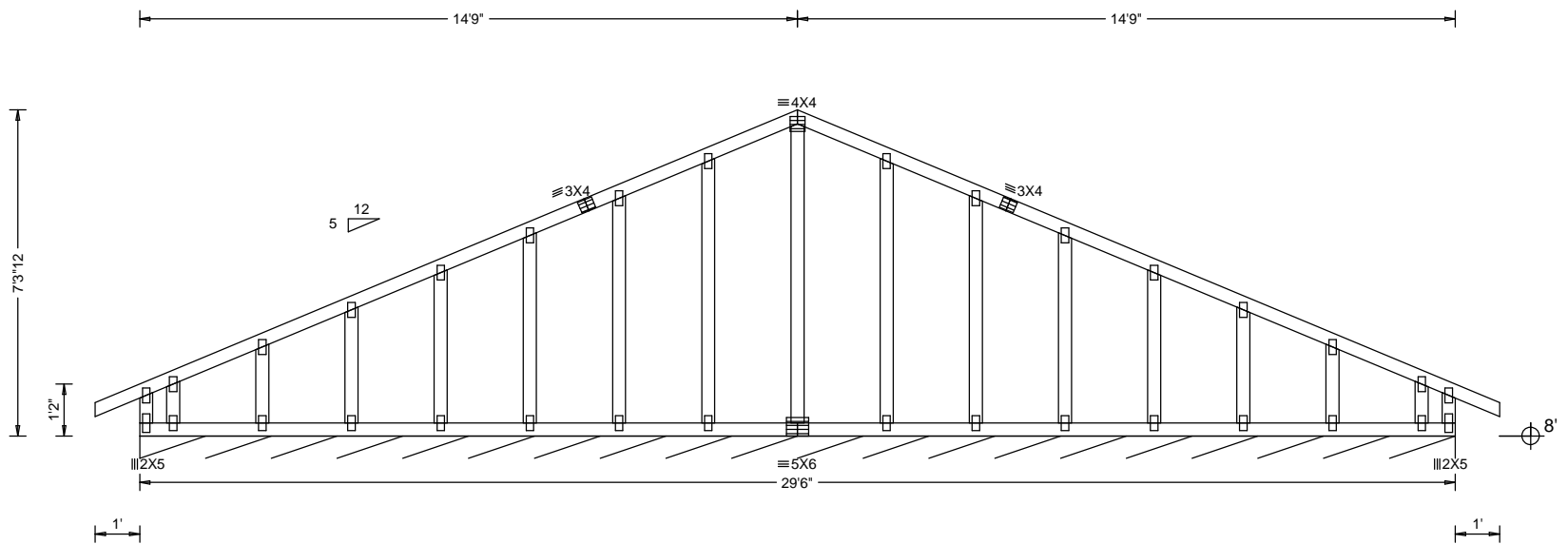
All plates are 2X4 except as noted.

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

Wind loads and reactions based on MWFRS with additional C&C member design.

Calculated vertical deflection is -0.00" due to live load at X = 0-0-0 and -0.00" due to total load at X = 0-0-0. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.



LEFT RAKE = 1'1"

RIGHT RAKE = 1'1"

|   |  |                 |  |                               |         |     |       |         |                 |       |         |      |       |        |  |         |         |                 |          |      |                 |         |       |           |
|---|--|-----------------|--|-------------------------------|---------|-----|-------|---------|-----------------|-------|---------|------|-------|--------|--|---------|---------|-----------------|----------|------|-----------------|---------|-------|-----------|
| PLT. TYP.-WAVE  | DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0) | QTY= 2 TOTAL= 2 | REV. 16.02.01D.0314.13   | SEQ = 189741<br>SCALE =0.2500 |         |     |       |         |                 |       |         |      |       |        |  |         |         |                 |          |      |                 |         |       |           |
| <p><b>**WARNING!** READ AND FOLLOW ALL NOTES ON THIS DRAWING!<br/>                 **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.</b></p> <p>Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation &amp; bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see this job's general notes page and these web sites: ITWBCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org</p> |  |                 | <table border="1"> <tr> <td>TC LL</td> <td>46.2psf</td> <td>REF</td> </tr> <tr> <td>TC DL</td> <td>10.0psf</td> <td>DATE 10-12-2017</td> </tr> <tr> <td>BC DL</td> <td>10.0psf</td> <td>DRWG</td> </tr> <tr> <td>BC LL</td> <td>0.0psf</td> <td></td> </tr> <tr> <td>TOT.LD.</td> <td>66.2psf</td> <td>O/A LEN. 290600</td> </tr> <tr> <td>DUR.FAC.</td> <td>1.15</td> <td>JOB #: HLY31140</td> </tr> <tr> <td>SPACING</td> <td>24.0"</td> <td>TYPE GABL</td> </tr> </table> | TC LL                         | 46.2psf | REF | TC DL | 10.0psf | DATE 10-12-2017 | BC DL | 10.0psf | DRWG | BC LL | 0.0psf |  | TOT.LD. | 66.2psf | O/A LEN. 290600 | DUR.FAC. | 1.15 | JOB #: HLY31140 | SPACING | 24.0" | TYPE GABL |
| TC LL   | 46.2psf  | REF             |  |                               |         |     |       |         |                 |       |         |      |       |        |  |         |         |                 |          |      |                 |         |       |           |
| TC DL   | 10.0psf  | DATE 10-12-2017 |  |                               |         |     |       |         |                 |       |         |      |       |        |  |         |         |                 |          |      |                 |         |       |           |
| BC DL   | 10.0psf  | DRWG            |  |                               |         |     |       |         |                 |       |         |      |       |        |  |         |         |                 |          |      |                 |         |       |           |
| BC LL   | 0.0psf   |                 |  |                               |         |     |       |         |                 |       |         |      |       |        |  |         |         |                 |          |      |                 |         |       |           |
| TOT.LD.   | 66.2psf  | O/A LEN. 290600 |  |                               |         |     |       |         |                 |       |         |      |       |        |  |         |         |                 |          |      |                 |         |       |           |
| DUR.FAC.  | 1.15   | JOB #: HLY31140 |  |                               |         |     |       |         |                 |       |         |      |       |        |  |         |         |                 |          |      |                 |         |       |           |
| SPACING   | 24.0"  | TYPE GABL       |  |                               |         |     |       |         |                 |       |         |      |       |        |  |         |         |                 |          |      |                 |         |       |           |

Top chord 2x4 SPF(S) #2  
 Bot chord 2x4 SPF 2100f-1.8E  
 Webs 2x4 SPF(S) #2

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

(a) Continuous lateral restraint equally spaced on member.

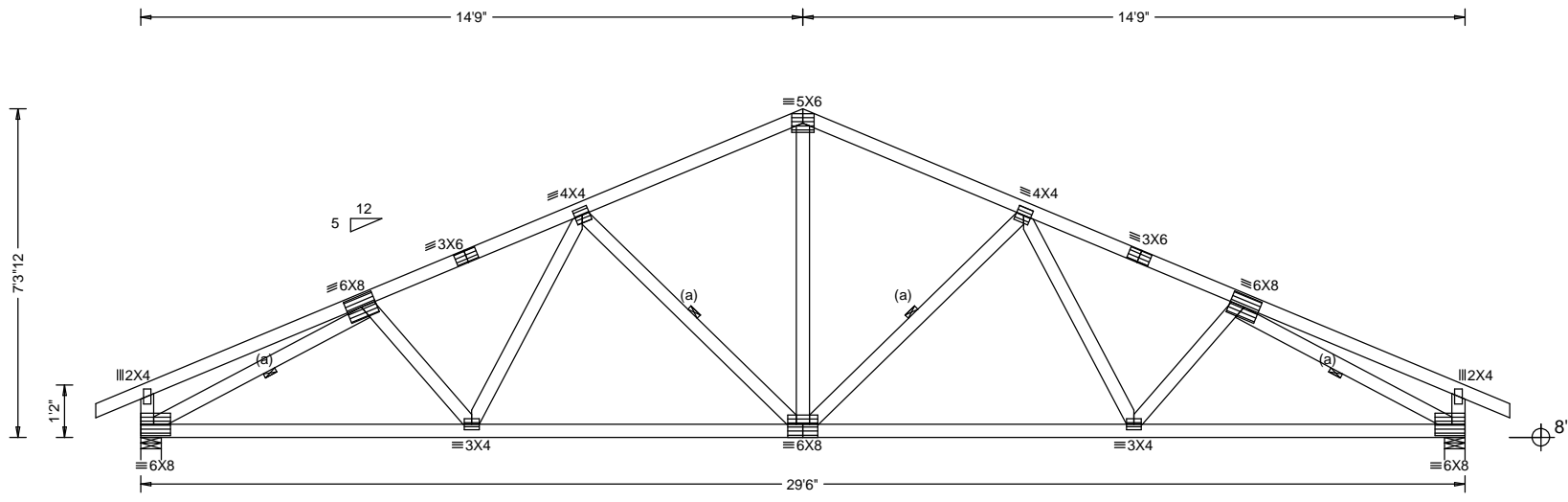
Wind loads and reactions based on MWFRS with additional C&C member design.

Calculated vertical deflection is 0.21" due to live load at X = 14-9-0 and 0.35" due to total load at X = 14-9-0. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IRC-09 section 301.5.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Truss designed for unbalanced snow load based on Pg=60.00 psf, Ct=1.10, Ce=1.00, CAT II & Pf=46.20 psf.



R=2092# U=275# RL=155/-155# W=5'8  
 (Rigid Surface)

R=2092# U=275# W=5'8  
 (Rigid Surface)

LEFT RAKE = 1'1"

RIGHT RAKE = 1'1"

|  |  |                   |  |   |
|--|--|-------------------|--|---|
| PLT. TYP.-WAVE   | DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0) | QTY= 15 TOTAL= 15 | REV. 16.02.01D.0314.13   | SEQ = 189744<br>SCALE =0.2500   |
| <p><b>**WARNING!** READ AND FOLLOW ALL NOTES ON THIS DRAWING!<br/>                 **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.</b></p> <p>Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation &amp; bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see this job's general notes page and these web sites: ITWBCG: www.itwbcg.com; TPI: www.tpinstr.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org</p> |  |                   | TC LL 46.2psf<br>TC DL 10.0psf<br>BC DL 10.0psf<br>BC LL 0.0psf<br>TOT.LD. 66.2psf<br>DUR.FAC. 1.15<br>SPACING 24.0" | REF<br>DATE 10-12-2017<br>DRWG<br>O/A LEN. 290600<br>JOB #: HLY31140<br>TYPE COMN |

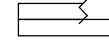
Top chord 2x6 SPF(S) #2  
 Bot chord 2x6 SP 2400f-2.0E  
 Webs 2x4 SPF(S) #2  
 :Lt Slider 2x6 SPF(S) #2: BLOCK LENGTH = 2.500'  
 :Rt Slider 2x6 SPF(S) #2: BLOCK LENGTH = 2.500'

Special loads  
 -----(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)  
 TC- From 114 plf at 0.00 to 114 plf at 7.00  
 TC- From 114 plf at 7.00 to 114 plf at 14.00  
 BC- From 10 plf at 0.00 to 10 plf at 14.00  
 BC- 2003.18 lb Conc. Load at 1.13, 3.13, 5.13, 7.13, 9.13, 11.13, 13.13

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Unbalanced snow loads have not been considered.

## 2 Complete Trusses Required

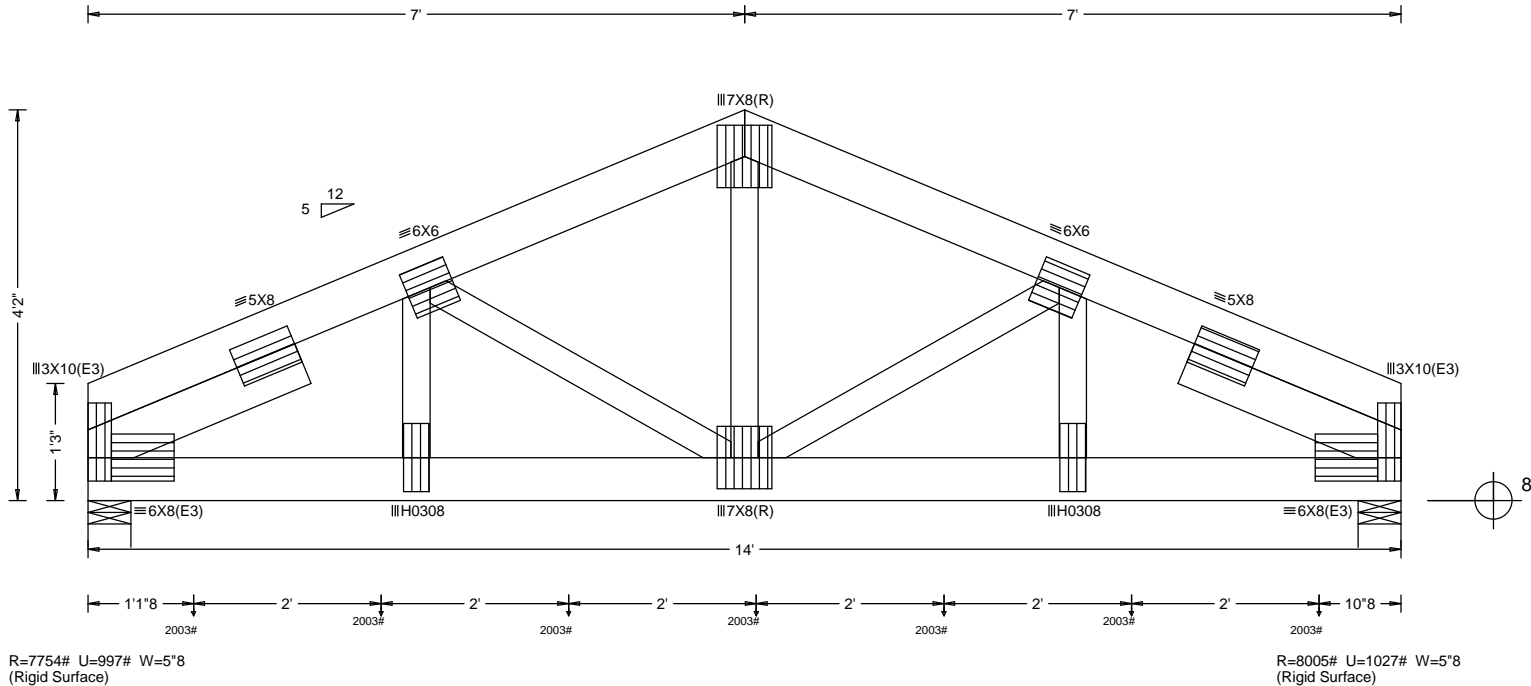


Nail Schedule: 0.131"x3", min. nails  
 Top Chord: 1 Row @ 12.00" o.c.  
 Bot Chord: 2 Rows @ 3.00" o.c. (Each Row)  
 Webs : 1 Row @ 4" o.c.  
 Use equal spacing between rows and stagger nails in each row to avoid splitting.  
 4" o.c. spacing of nails perpendicular and parallel to grain required in area over bearings greater than 4"

100 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=4.2 psf, wind BC DL=4.2 psf.

Wind loads and reactions based on MWFRS.

Calculated vertical deflection is 0.15" due to live load at X = 7-0-0 and 0.25" due to total load at X = 7-0-0. L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT. TYP.-WAVE

DESIGN CRIT=IRC2009/TPI-2007 FT/RT=20%(0%)/10(0)

QTY= 1 PLIES= 2 TOTAL= 2

REV. 16.02.01D.0314.13

SEQ = 189759  
 SCALE = 0.5000

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|          |         |
|----------|---------|
| TC LL    | 46.2psf |
| TC DL    | 10.0psf |
| BC DL    | 10.0psf |
| BC LL    | 0.0psf  |
| TOT.LD.  | 66.2psf |
| DUR.FAC. | 1.15    |
| SPACING  | 24.0"   |

|          |            |
|----------|------------|
| REF      |            |
| DATE     | 10-12-2017 |
| DRWG     |            |
| O/A LEN. | 14         |
| JOB #:   | HLY31140   |
| TYPE     | COMN       |