

UFP Mid Atlantic LLC, 5631 S. NC 62, Burlington, NC, Micah Clayton | Job Reference (optional) | 8.310 s May 22 2019 MiTek Industries, Inc. Sun Aug 11 21:24:55 2019 Page 1

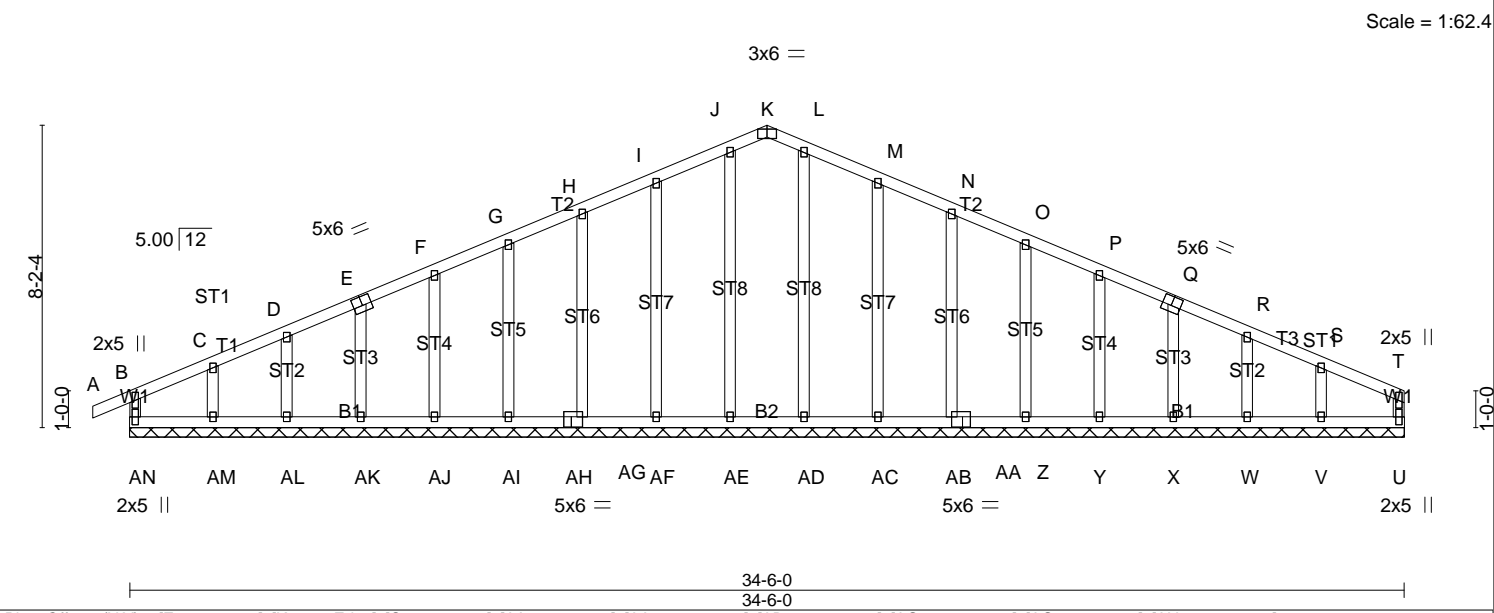
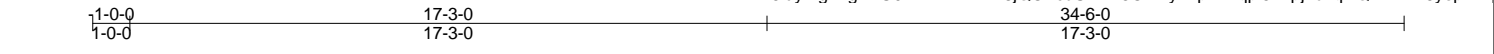


Plate Offsets (X,Y)-- [E:0-3-0,0-3-0], [K:0-3-0,Edge], [Q:0-3-0,0-3-0], [AA:0-2-8,0-0-4], [AA:0-0-0,0-1-12], [AB:0-1-12,0-0-0], [AG:0-1-12,0-0-0], [AG:0-2-8,0-0-4], [AH:0-0-0,0-1-12]

| | | | | | |
|----------------------|----------------------|-------------|--------------------------|---------------|-------------------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 20.0 | 2-0-0 | TC 0.14 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.07 | Vert(LL) -0.00 A n/r 120 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.13 | Vert(CT) -0.00 A n/r 90 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-R | Horz(CT) 0.00 U n/a n/a | | |
| | Code IRC2015/TP12014 | | | | Weight: 213 lb FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) AN=167/34-6-0 (min. 0-4-6), U=75/34-6-0 (min. 0-4-6), AE=156/34-6-0 (min. 0-4-6), AF=160/34-6-0 (min. 0-4-6), AG=160/34-6-0 (min. 0-4-6), AI=160/34-6-0 (min. 0-4-6), AJ=160/34-6-0 (min. 0-4-6), AK=159/34-6-0 (min. 0-4-6), AL=162/34-6-0 (min. 0-4-6), AM=152/34-6-0 (min. 0-4-6), AD=156/34-6-0 (min. 0-4-6), AC=160/34-6-0 (min. 0-4-6), AB=160/34-6-0 (min. 0-4-6), Z=160/34-6-0 (min. 0-4-6), Y=160/34-6-0 (min. 0-4-6), X=161/34-6-0 (min. 0-4-6), W=154/34-6-0 (min. 0-4-6), V=182/34-6-0 (min. 0-4-6)

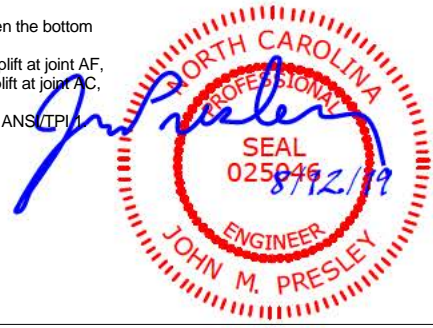
Max Horz AN=115(LC 14)
 Max Uplift AN=36(LC 11), U=10(LC 10), AF=66(LC 10), AG=43(LC 10), AI=48(LC 10), AJ=46(LC 10), AK=51(LC 10), AL=29(LC 10), AM=112(LC 10), AC=69(LC 11), AB=43(LC 11), Z=48(LC 11), Y=46(LC 11), X=51(LC 11), W=32(LC 11), V=103(LC 11)

Max Grav AN=167(LC 1), U=91(LC 20), AE=162(LC 20), AF=162(LC 21), AG=160(LC 1), AI=160(LC 21), AJ=160(LC 1), AK=160(LC 21), AL=162(LC 1), AM=155(LC 21), AD=156(LC 1), AC=163(LC 22), AB=160(LC 1), Z=160(LC 1), X=161(LC 1), W=154(LC 22), V=182(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD B-AN=146/84, A-B=0/26, B-C=117/65, C-D=78/76, D-E=60/97, E-F=55/118, F-G=68/140, G-H=83/180, H-I=96/219, I-J=114/269, J-K=107/252, K-L=107/252, L-M=114/269, M-N=96/219, N-O=83/180, O-P=68/140, P-Q=55/100, Q-R=40/71, R-S=59/51, S-T=89/39, T-U=61/20
 BOT CHORD AM-AN=25/77, AL-AM=25/77, AK-AL=25/77, AJ-AK=25/77, AI-AJ=25/77, AH-AI=25/77, AG-AH=25/77, AF-AG=25/77, AE-AF=25/77, AD-AE=25/77, AC-AD=25/77, AB-AC=25/77, AA-AB=25/77, Z-AA=25/77, Y-Z=25/77, X-Y=25/77, W-X=25/77, V-W=25/77, U-V=25/77
 WEBS J-AE=122/0, I-AF=122/109, H-AG=120/76, G-AI=120/81, F-AJ=120/80, E-AK=120/81, D-AL=122/77, C-AM=113/109, L-AD=116/0, M-AC=123/109, N-AB=120/76, O-Z=120/82, P-Y=120/80, Q-X=121/82, R-W=116/74, S-V=135/107

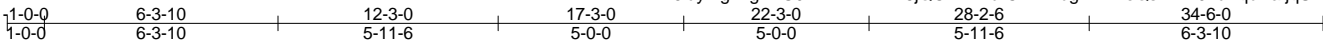
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only.
 - All plates are 2x3 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint AN, 10 lb uplift at joint U, 66 lb uplift at joint AF, 43 lb uplift at joint AG, 48 lb uplift at joint AI, 46 lb uplift at joint AJ, 51 lb uplift at joint AK, 29 lb uplift at joint AL, 112 lb uplift at joint AM, 69 lb uplift at joint AC, 43 lb uplift at joint AB, 48 lb uplift at joint Z, 46 lb uplift at joint Y, 51 lb uplift at joint X, 32 lb uplift at joint W and 103 lb uplift at joint V.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANS/TP1

LOAD CASE(S) Standard



| | | | | | |
|-----------------|-------------|----------------------|-----------|----------|----------------------------|
| Job 69025265 | Truss A2 | Truss Type Common | Qty 13 | Ply 1 | HH HUNTEDISON CRAFTSMAN RF |
|-----------------|-------------|----------------------|-----------|----------|----------------------------|

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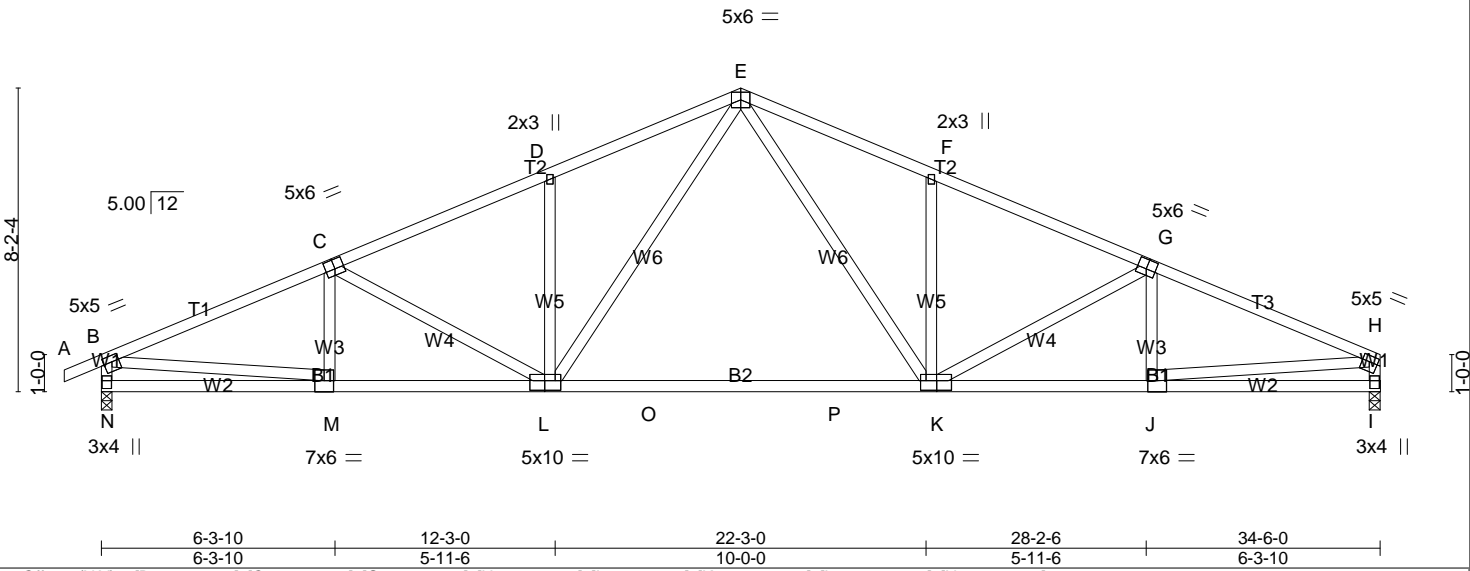


Plate Offsets (X,Y)-- [B:0-2-4,0-2-0], [C:0-3-0,0-3-0], [G:0-3-0,0-3-0], [H:0-2-4,0-2-0], [I:0-2-8,0-1-8], [K:0-4-12,0-3-0], [L:0-4-12,0-3-0], [N:0-2-8,0-1-8]

| | | | | | |
|----------------------|----------------------|-------------|-----------------------------|----------------|-------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 20.0 | 2-0-0 | TC 0.68 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.87 | Vert(LL) -0.40 K-L >999 240 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.78 | Vert(CT) -0.75 K-L >546 180 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-MSH | Horz(CT) 0.06 I n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 199 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-2-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-8-13 oc bracing.

REACTIONS. (lb/size) N=1438/0-3-8 (min. 0-2-4), I=1367/0-3-8 (min. 0-2-2)
 Max Horz N=115(LC 14)
 Max Uplift N=216(LC 10), I=190(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/26, B-C=2363/631, C-D=2135/611, D-E=2143/730, E-F=2144/730, F-G=2139/613, G-H=2372/635, B-N=1366/453, H-I=1295/383
 BOT CHORD M-N=197/329, L-M=491/2118, L-O=229/1475, O-P=229/1475, K-P=229/1475, J-K=499/2132, I-J=64/262
 WEBS F-K=350/230, G-K=304/163, G-J=175/119, D-L=356/234, C-L=289/158, C-M=166/113, B-M=387/1802, H-J=436/1881, E-L=243/829, E-K=243/831

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 216 lb uplift at joint N and 190 lb uplift at joint I.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



| | | | | | |
|-----------------|-------------|----------------------|----------|----------|----------------------------|
| Job 69025265 | Truss A3 | Truss Type Common | Qty 5 | Ply 1 | HH HUNTEDISON CRAFTSMAN RF |
|-----------------|-------------|----------------------|----------|----------|----------------------------|

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| | | | | | | | |
|----------------|------------------|------------------|-----------------|-----------------|------------------|------------------|-----------------|
| 1-0-0 1-0-0 | 6-3-10 6-3-10 | 12-3-0 5-11-6 | 17-3-0 5-0-0 | 22-3-0 5-0-0 | 28-2-6 5-11-6 | 34-6-0 6-3-10 | 35-6-0 1-0-0 |
|----------------|------------------|------------------|-----------------|-----------------|------------------|------------------|-----------------|

Scale: 3/16"=1'

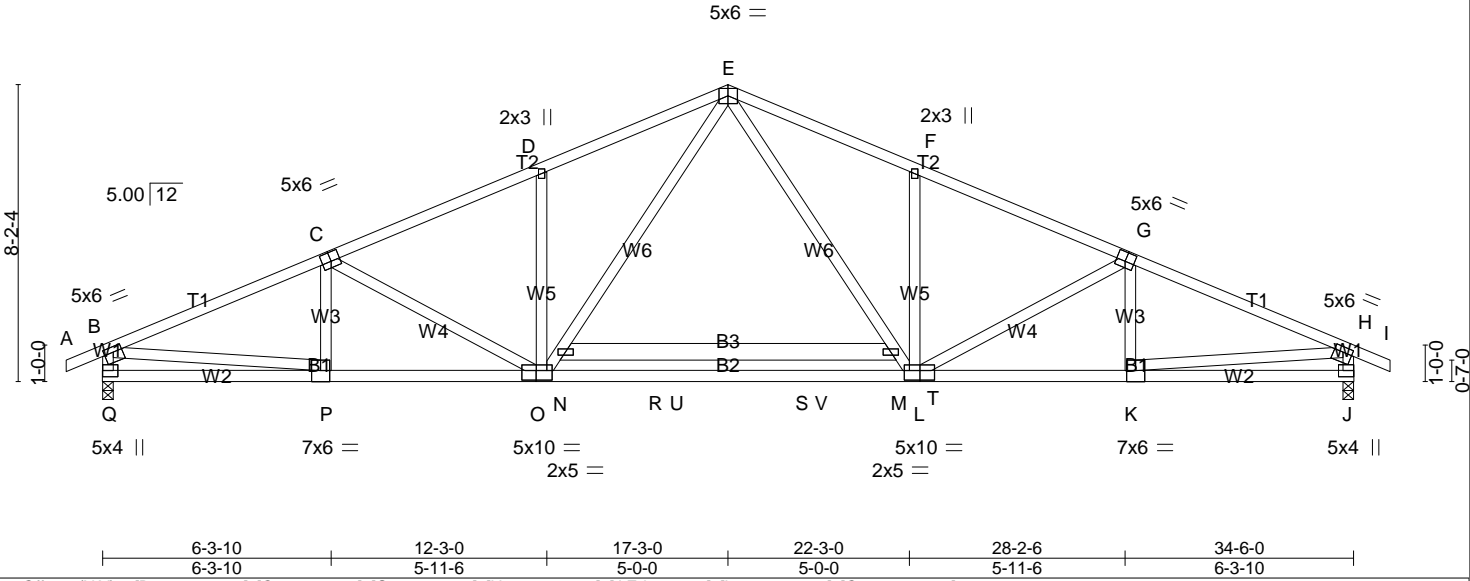


Plate Offsets (X,Y)-- [B:0-3-0,0-1-12], [C:0-3-0,0-3-0], [G:0-3-0,0-3-0], [H:0-3-0,0-1-12], [J:Edge,0-3-8], [L:0-4-12,0-3-0], [O:0-4-12,0-3-0]

| | | | | | |
|----------------------|----------------------|-------------|-----------------------------|----------------|-------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 20.0 | 2-0-0 | TC 0.71 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.84 | Vert(LL) -0.36 L-O >999 240 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.81 | Vert(CT) -0.73 L-O >564 180 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-MSH | Horz(CT) 0.07 J n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 222 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.1 *Except*
 WEBS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-3-11 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) J=1530/0-3-8 (min. 0-2-6), Q=1530/0-3-8 (min. 0-2-6)
 Max Horz Q=-107(LC 15)
 Max Uplift J=-160(LC 11), Q=-160(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/26, B-C=-2546/519, C-D=-2371/484, D-E=-2377/603, E-F=-2377/603, F-G=-2371/484, G-H=-2546/519, H-I=0/26, B-Q=-1457/397, H-J=-1457/397
 BOT CHORD P-Q=-182/354, O-P=-353/2286, O-R=-16/1520, R-S=-16/1520, S-T=-16/1520, L-T=-16/1520, K-L=-353/2286, J-K=-80/336, N-U=-99/170, U-V=-99/170, M-V=-99/170
 WEBS F-L=-356/234, G-L=-263/174, D-O=-356/234, G-K=-192/100, B-P=-288/1960, H-K=-288/1960, N-O=-288/914, E-N=-183/951, E-M=-183/951, L-M=-288/914, C-O=-263/174, C-P=-192/100

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint J and 160 lb uplift at joint Q.
 - 6) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.



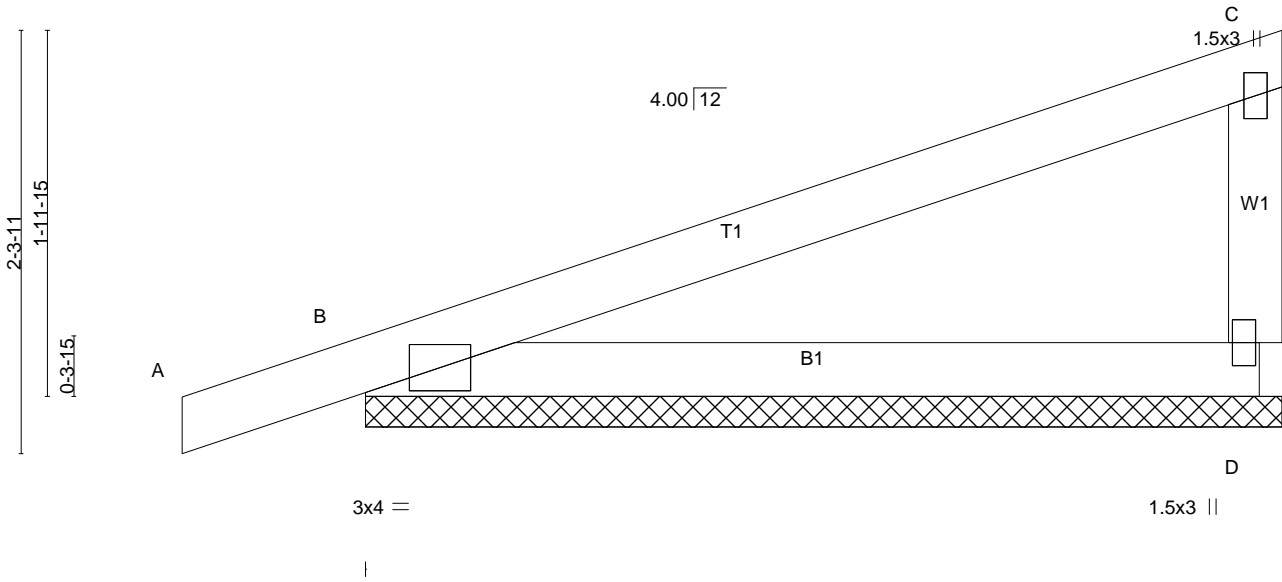
| | | | | | |
|-----------------|-------------|-----------------------------------|----------|----------|----------------------------|
| Job 69025265 | Truss J1 | Truss Type MONOPITCH SUPPORTED | Qty 2 | Ply 1 | HH HUNTEDISON CRAFTSMAN RF |
|-----------------|-------------|-----------------------------------|----------|----------|----------------------------|

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Scale = 1:12.6



| | | | | |
|---|--|---|---|--|
| LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0 | SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2015/TPI2014 | CSI. TC 0.42 BC 0.29 WB 0.00 Matrix-SH | DEFL. in (loc) l/defl L/d Vert(LL) -0.01 A n/r 120 Vert(CT) 0.01 A n/r 90 Horz(CT) 0.00 D n/a n/a | PLATES GRIP MT20 244/190 Weight: 19 lb FT = 20% |
|---|--|---|---|--|

| | |
|--|--|
| LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 | BRACING- TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
|--|--|

REACTIONS. (lb/size) D=188/5-0-0 (min. 0-1-8), B=260/5-0-0 (min. 0-1-8)
 Max Horz B=79(LC 7)
 Max Uplift D=43(LC 10), B=81(LC 6)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/17, B-C=61/35, C-D=139/117
 BOT CHORD B-D=-31/34

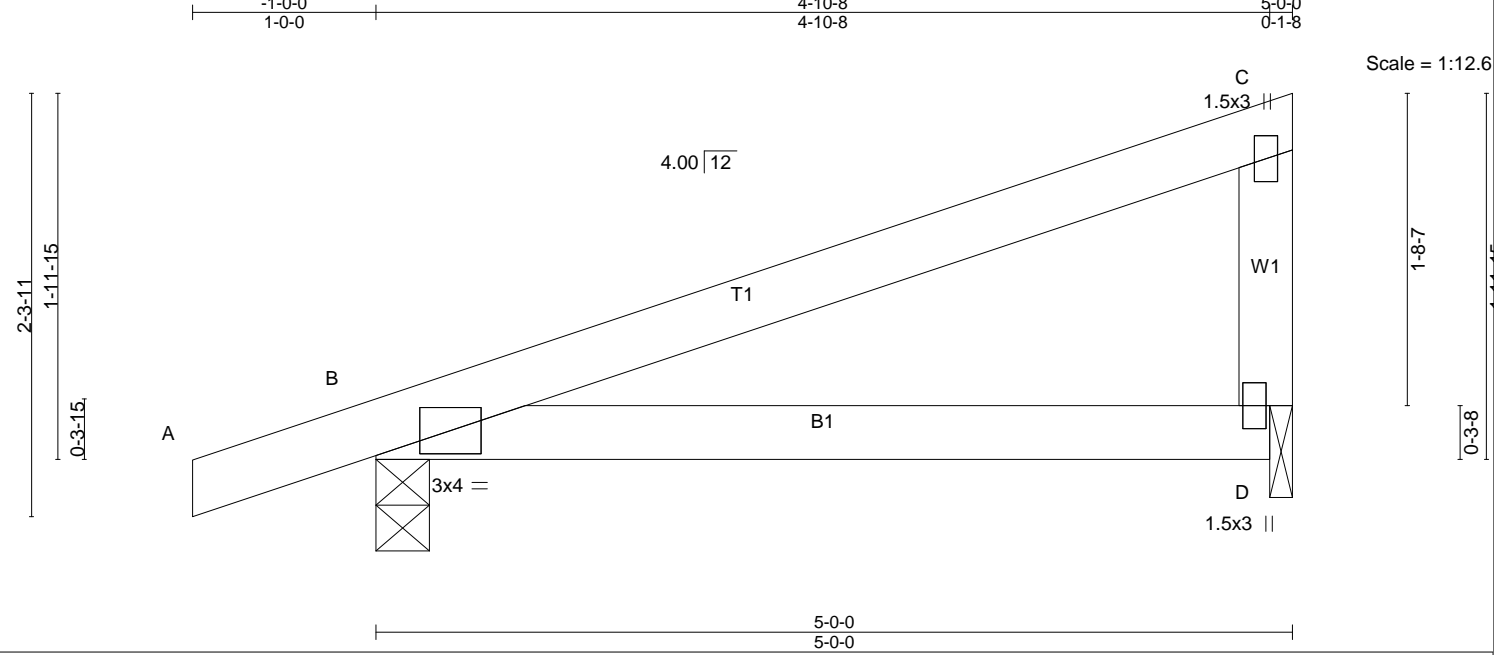
- NOTES-**
- 1) Wind: ASCE 7-10; V_{ult}=130mph (3-second gust) V_{asd}=103mph; TC_{DL}=6.0psf; BC_{DL}=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only.
 - 3) Gable requires continuous bottom chord bearing.
 - 4) Gable studs spaced at 2-0-0 oc.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint D and 81 lb uplift at joint B.
 - 8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.





| | | | | | |
|----------------------|----------------------|-------------|-----------------------------|---------------|-------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 20.0 | 2-0-0 | TC 0.32 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.27 | Vert(LL) 0.03 D-G >999 240 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.00 | Vert(CT) -0.06 D-G >999 180 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-MSH | Horz(CT) 0.00 B n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 19 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

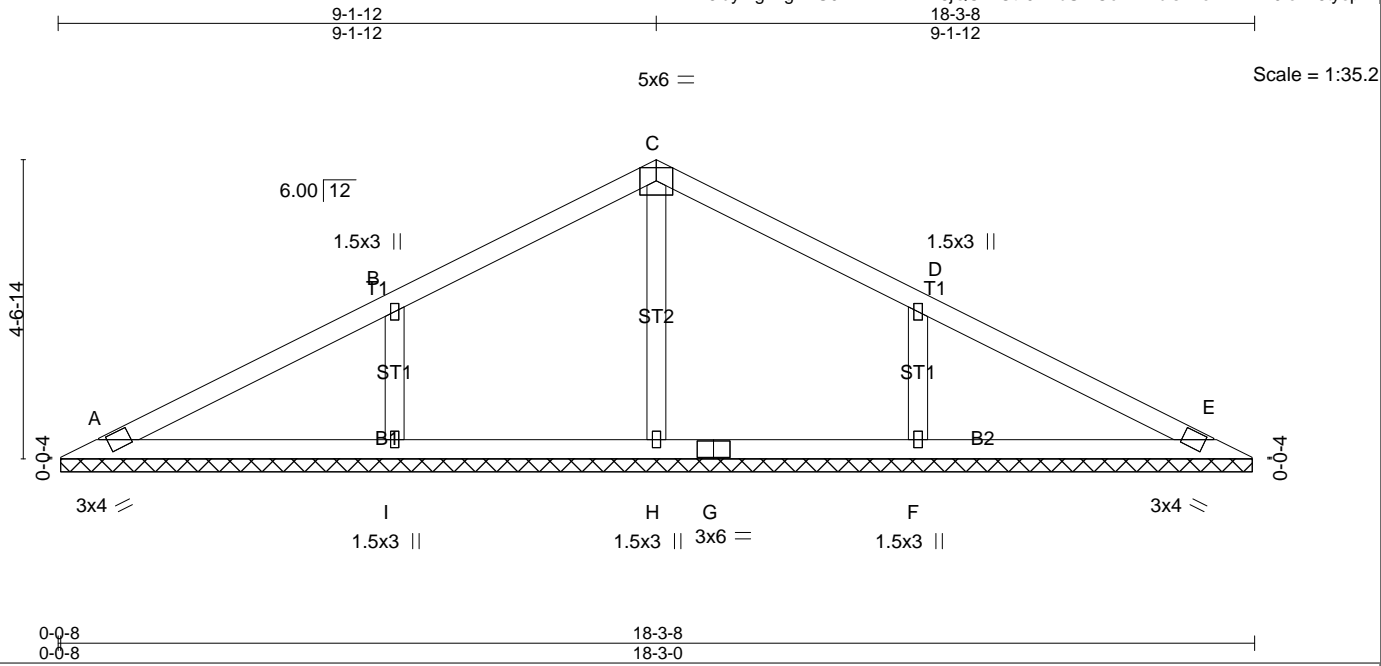
REACTIONS. (lb/size) B=260/0-3-8 (min. 0-1-8), D=188/0-1-8 (min. 0-1-8)
 Max Horz B=79(LC 9)
 Max Uplift B=81(LC 6), D=43(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=0/19, B-C=-51/32, C-D=-124/90
 BOT CHORD B-D=-31/34

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Bearing at joint(s) D considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) D.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint B and 43 lb uplift at joint D.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard





| | | | | | |
|----------------------|----------------------|-------------|-------------------------|---------------|-------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 20.0 | 2-0-0 | TC 0.25 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.16 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.07 | Vert(CT) n/a - n/a 999 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-SH | Horz(CT) 0.00 E n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 67 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 OTHERS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=153/18-2-8 (min. 0-2-2), E=153/18-2-8 (min. 0-2-2), H=238/18-2-8 (min. 0-2-2), I=409/18-2-8 (min. 0-2-2), F=409/18-2-8 (min. 0-2-2)
 Max Horz A=74(LC 14)
 Max Uplift A=14(LC 11), E=15(LC 11), I=141(LC 10), F=141(LC 11)
 Max Grav A=153(LC 1), E=153(LC 1), H=238(LC 1), I=413(LC 21), F=413(LC 22)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-89/73, B-C=-85/118, C-D=-85/118, D-E=-75/54
 BOT CHORD A-I=-11/63, H-I=-11/63, G-H=-11/63, F-G=-11/63, E-F=-11/63
 WEBS C-H=-178/13, B-I=-299/206, D-F=-299/206

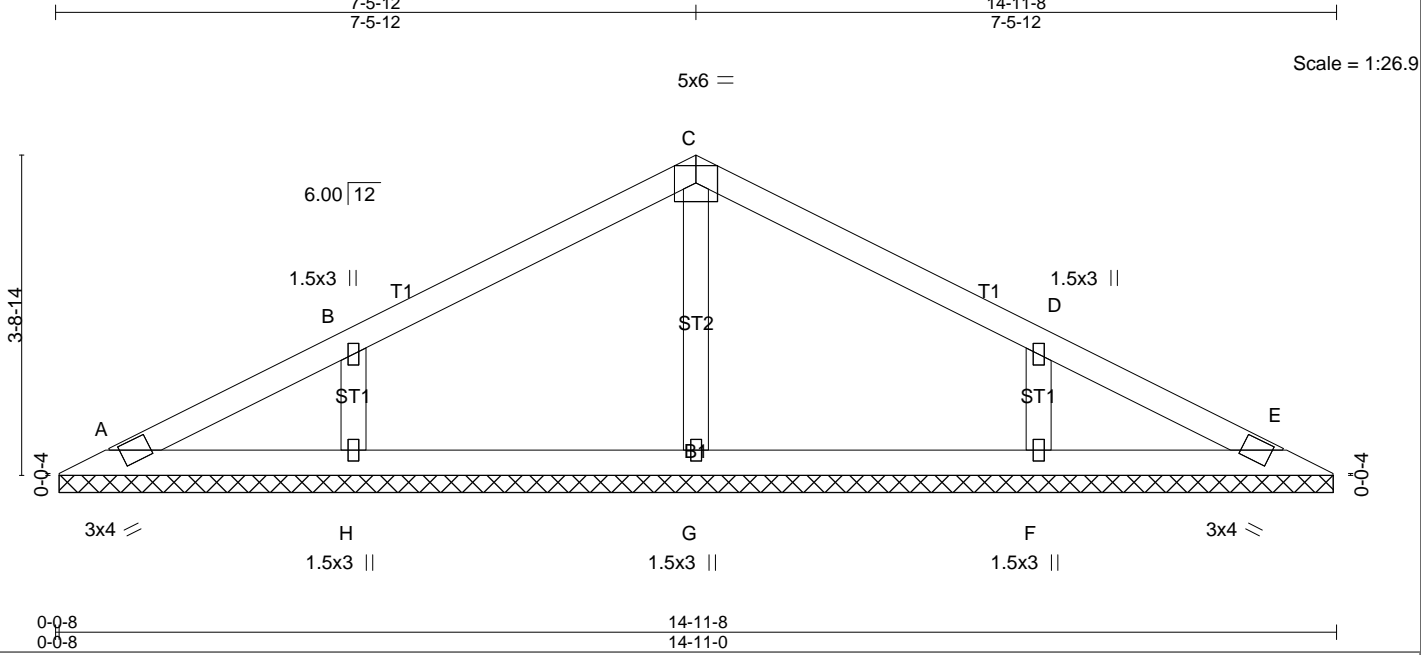
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 14 lb uplift at joint A, 15 lb uplift at joint E, 141 lb uplift at joint I and 141 lb uplift at joint F.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.





| | | | | | |
|----------------------|----------------------|-------------|-------------------------|---------------|-------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 20.0 | 2-0-0 | TC 0.18 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.12 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.06 | Vert(CT) n/a - n/a 999 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-SH | Horz(CT) 0.00 E n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 53 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 OTHERS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=89/14-10-8 (min. 0-1-12), E=89/14-10-8 (min. 0-1-12), G=280/14-10-8 (min. 0-1-12), H=319/14-10-8 (min. 0-1-12), F=319/14-10-8 (min. 0-1-12)
 Max Horz A=60(LC 11)
 Max Uplift A=-11(LC 11), H=-114(LC 10), F=-114(LC 11)
 Max Grav A=89(LC 1), E=89(LC 1), G=280(LC 1), H=326(LC 21), F=326(LC 22)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-73/47, B-C=-84/96, C-D=-84/96, D-E=-54/33
 BOT CHORD A-H=-4/47, G-H=-4/47, F-G=-4/47, E-F=-4/47
 WEBS C-G=-199/53, B-H=-247/182, D-F=-247/182

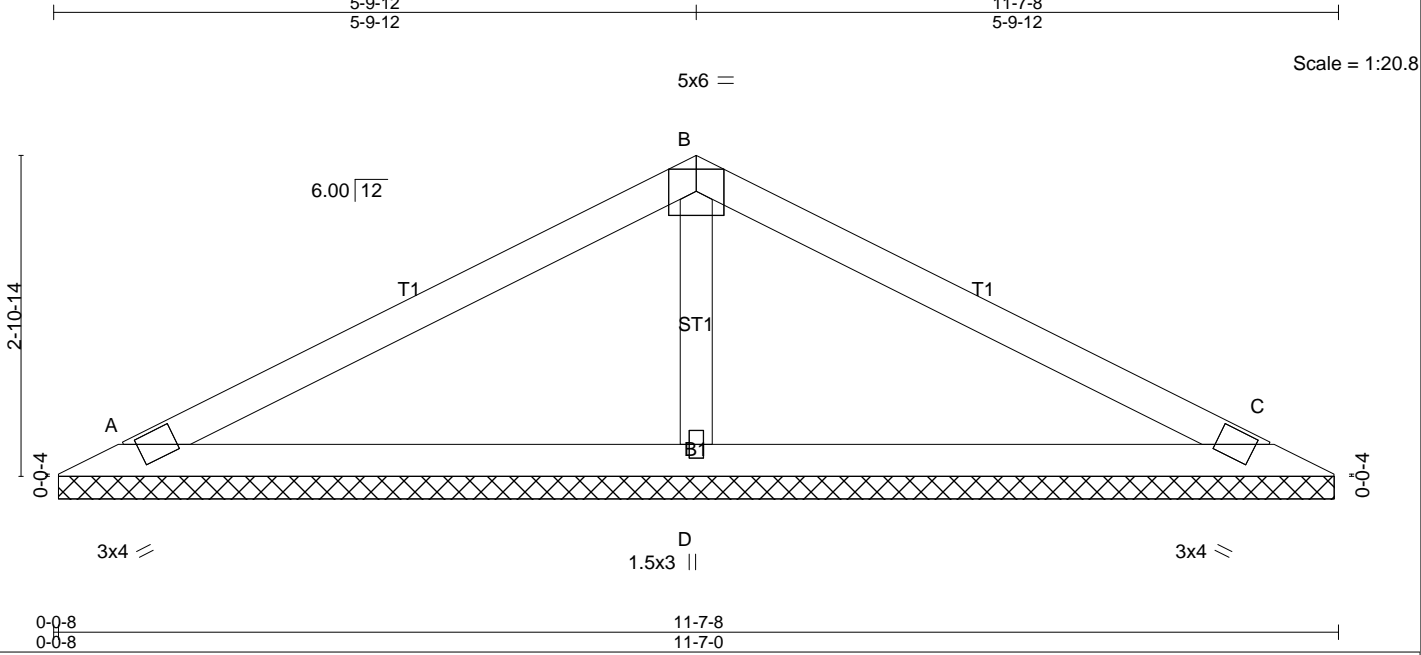
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint A, 114 lb uplift at joint H and 114 lb uplift at joint F.
 - This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.





Scale = 1:20.8

| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
|---------------|----------------------|-----------|-------------------------|---------------|----------|
| TCLL 20.0 | 2-0-0 | TC 0.35 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.26 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.07 | Vert(CT) n/a - n/a 999 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-SH | Horz(CT) 0.00 C n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 38 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 OTHERS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=186/11-6-8 (min. 0-1-8), C=186/11-6-8 (min. 0-1-8), D=458/11-6-8 (min. 0-1-8)
 Max Horz A=45(LC 14)
 Max Uplift A=40(LC 10), C=48(LC 11), D=33(LC 10)
 Max Grav A=189(LC 21), C=189(LC 22), D=458(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-105/64, B-C=-105/64
 BOT CHORD A-D=0/43, C-D=0/43
 WEBS B-D=-285/147

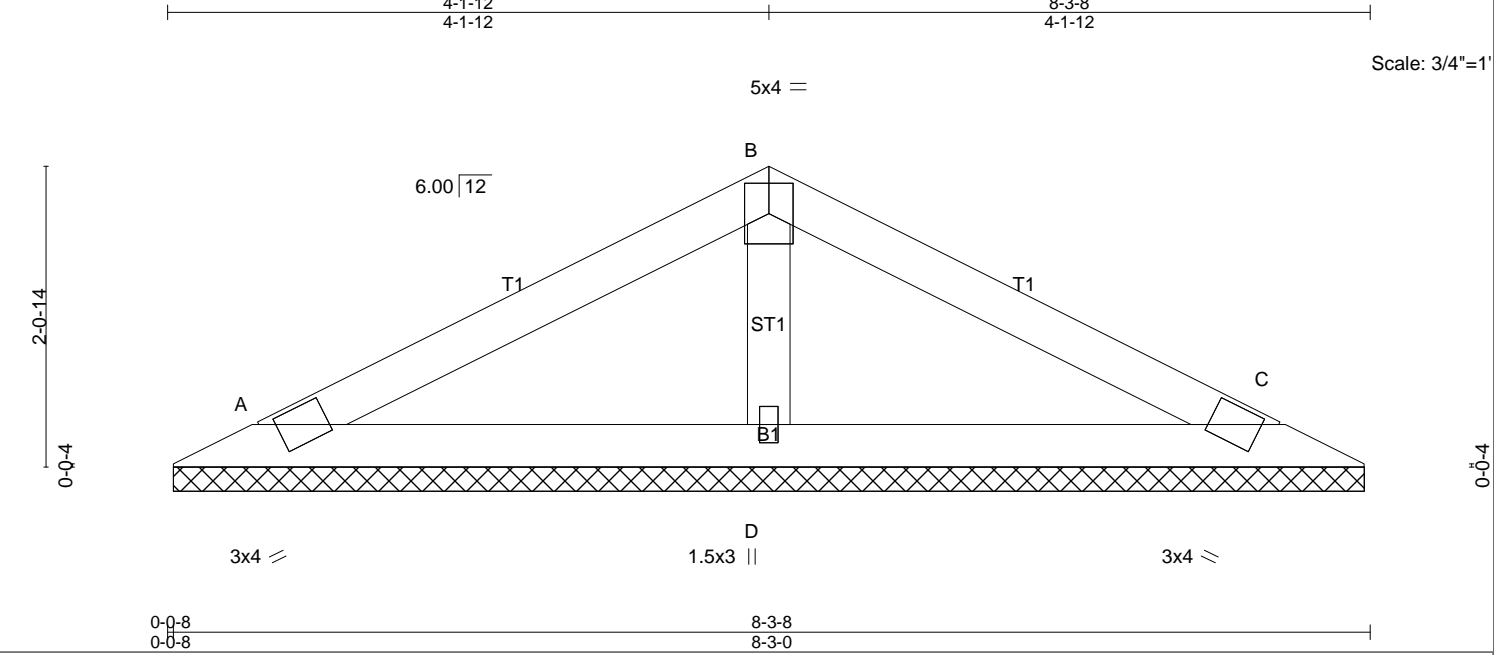
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint A, 48 lb uplift at joint C and 33 lb uplift at joint D.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.





| | | | | | |
|----------------------|----------------------|-------------|-------------------------|---------------|-------------|
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP |
| TCLL 20.0 | 2-0-0 | TC 0.15 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.12 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.04 | Vert(CT) n/a - n/a 999 | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-SH | Horz(CT) 0.00 C n/a n/a | | |
| | Code IRC2015/TPI2014 | | | Weight: 26 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 OTHERS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

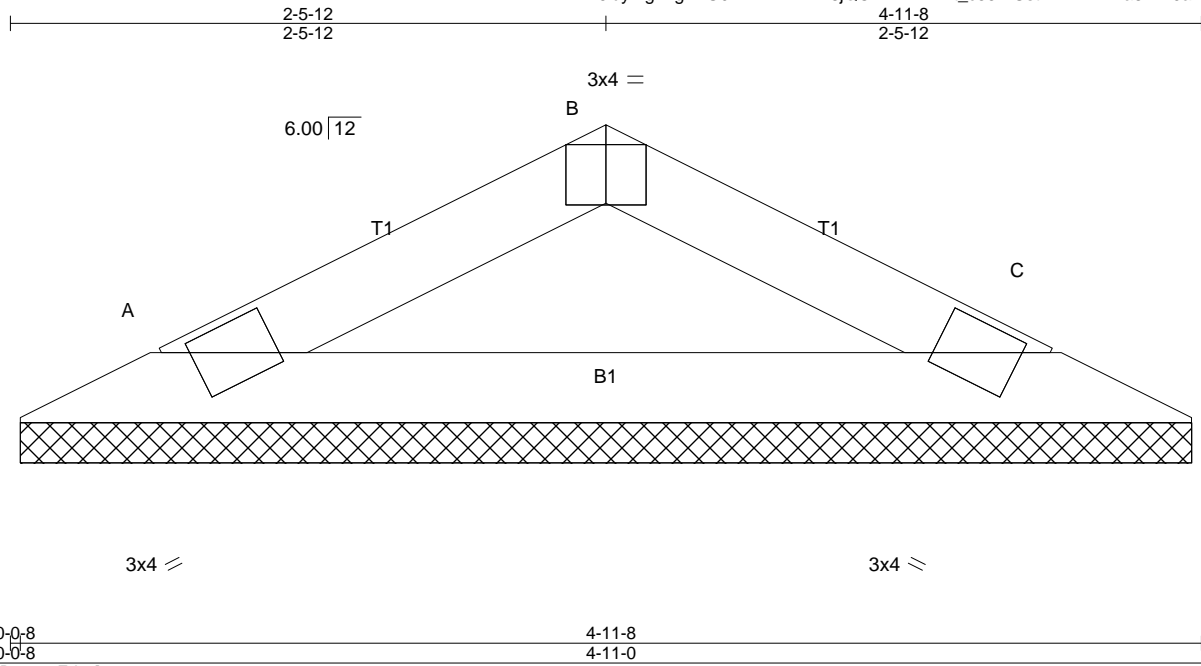
REACTIONS. (lb/size) A=126/8-2-8 (min. 0-1-8), C=126/8-2-8 (min. 0-1-8), D=311/8-2-8 (min. 0-1-8)
 Max Horz A=31(LC 14)
 Max Uplift A=-27(LC 10), C=-33(LC 11), D=-23(LC 10)
 Max Grav A=128(LC 21), C=128(LC 22), D=311(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-71/47, B-C=-71/47
 BOT CHORD A-D=0/29, C-D=0/29
 WEBS B-D=-193/113

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BC DL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint A, 33 lb uplift at joint C and 23 lb uplift at joint D.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard





Scale = 1:9.6

Plate Offsets (X,Y)-- [B:0-2-0,Edge]

| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP | |
|---------------|----------------------|-------|----------|----------|----------|--------|-----|--------|---------------|----------|
| TCLL 20.0 | Plate Grip DOL | 1.15 | TC 0.06 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.15 | BC 0.17 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.00 | Horz(CT) | 0.00 | C | n/a | n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | | Matrix-P | | | | | | | |
| | | | | | | | | | Weight: 13 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-11-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=148/4-10-8 (min. 0-1-8), C=148/4-10-8 (min. 0-1-8)
 Max Horz A=-16(LC 11)
 Max Uplift A=-20(LC 10), C=-20(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-143/104, B-C=-143/104
 BOT CHORD A-C=-61/110

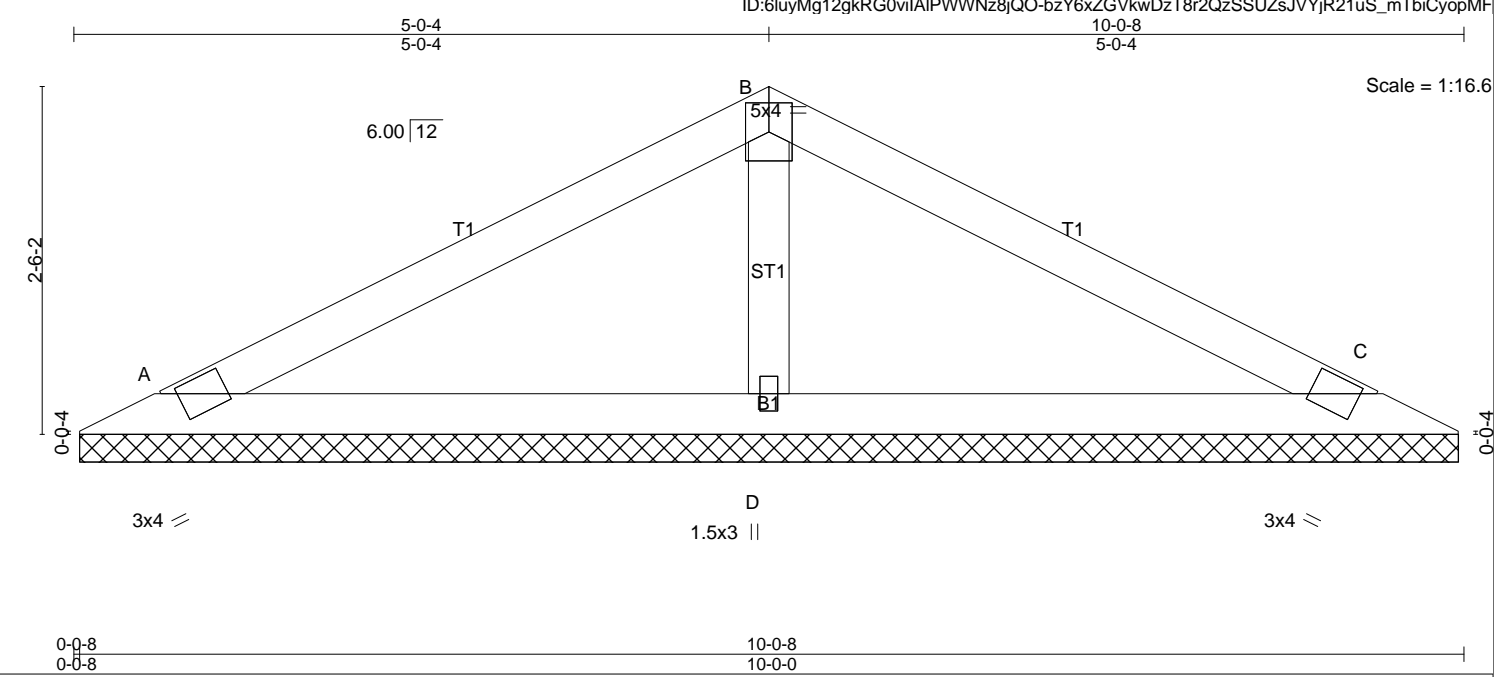
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint A and 20 lb uplift at joint C.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.





| | | | | | |
|----------------------|-----------------------|-------------|-------------------------|---------------|-------------|
| LOADING (psf) | SPACING- 2-0-0 | CSI. | DEFL. | PLATES | GRIP |
| TCLL 20.0 | Plate Grip DOL 1.15 | TC 0.24 | in (loc) l/defl L/d | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.15 | BC 0.19 | Vert(LL) n/a - n/a 999 | | |
| BCLL 0.0 * | Rep Stress Incr YES | WB 0.05 | Vert(CT) n/a - n/a 999 | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | Matrix-SH | Horz(CT) 0.00 C n/a n/a | | |
| | | | | Weight: 32 lb | FT = 20% |

| | |
|--|--|
| LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3 | BRACING- TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. |
|--|--|

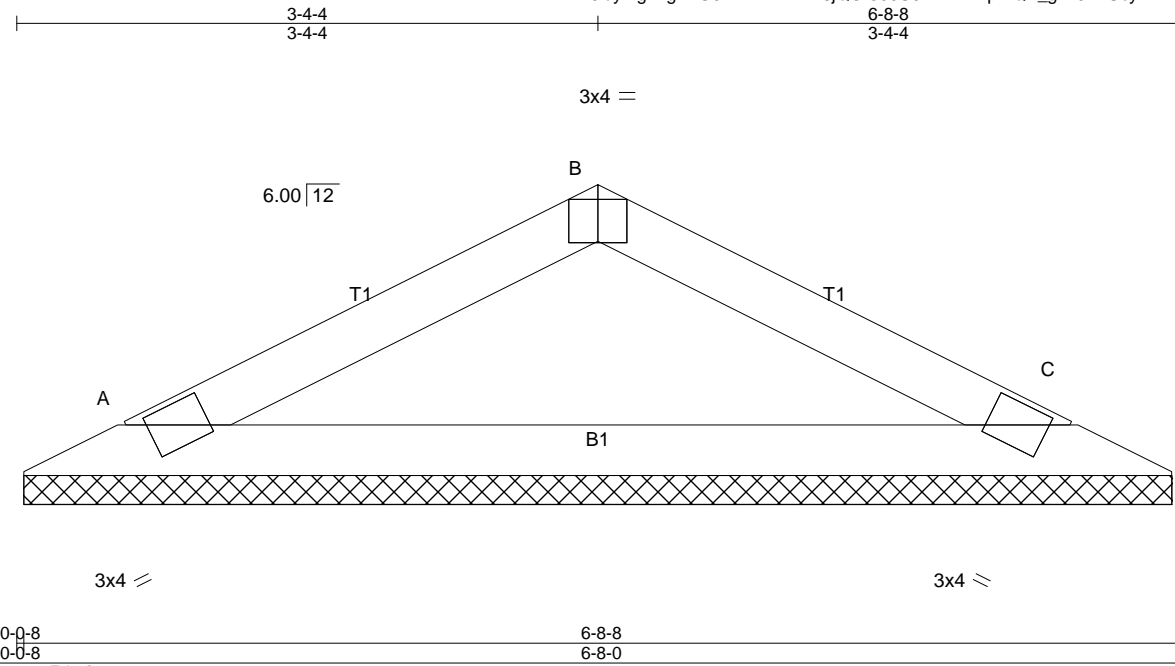
REACTIONS. (lb/size) A=157/9-11-8 (min. 0-1-8), C=157/9-11-8 (min. 0-1-8), D=388/9-11-8 (min. 0-1-8)
 Max Horz A=38(LC 10)
 Max Uplift A=34(LC 10), C=41(LC 11), D=28(LC 10)
 Max Grav A=160(LC 21), C=160(LC 22), D=388(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-89/56, B-C=-89/56
 BOT CHORD A-D=0/36, C-D=0/36
 WEBS B-D=-241/132

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint A, 41 lb uplift at joint C and 28 lb uplift at joint D.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard





Scale = 1:13.3

Plate Offsets (X,Y)-- [B:0-2-0,Edge]

| | | | | | |
|----------------------|-----------------------|-------------|----------------------------------|---------------|-------------|
| LOADING (psf) | SPACING- 2-0-0 | CSI. | DEFL. in (loc) l/defl L/d | PLATES | GRIP |
| TCLL 20.0 | Plate Grip DOL 1.15 | TC 0.15 | Vert(LL) n/a - n/a 999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.15 | BC 0.22 | Vert(CT) n/a - n/a 999 | | |
| BCLL 0.0 * | Rep Stress Incr YES | WB 0.00 | Horz(CT) 0.00 C n/a n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | Matrix-SH | | Weight: 19 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=218/6-7-8 (min. 0-1-8), C=218/6-7-8 (min. 0-1-8)
 Max Horz A=24(LC 14)
 Max Uplift A=-30(LC 10), C=-30(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-250/138, B-C=-250/138
 BOT CHORD A-C=-75/206

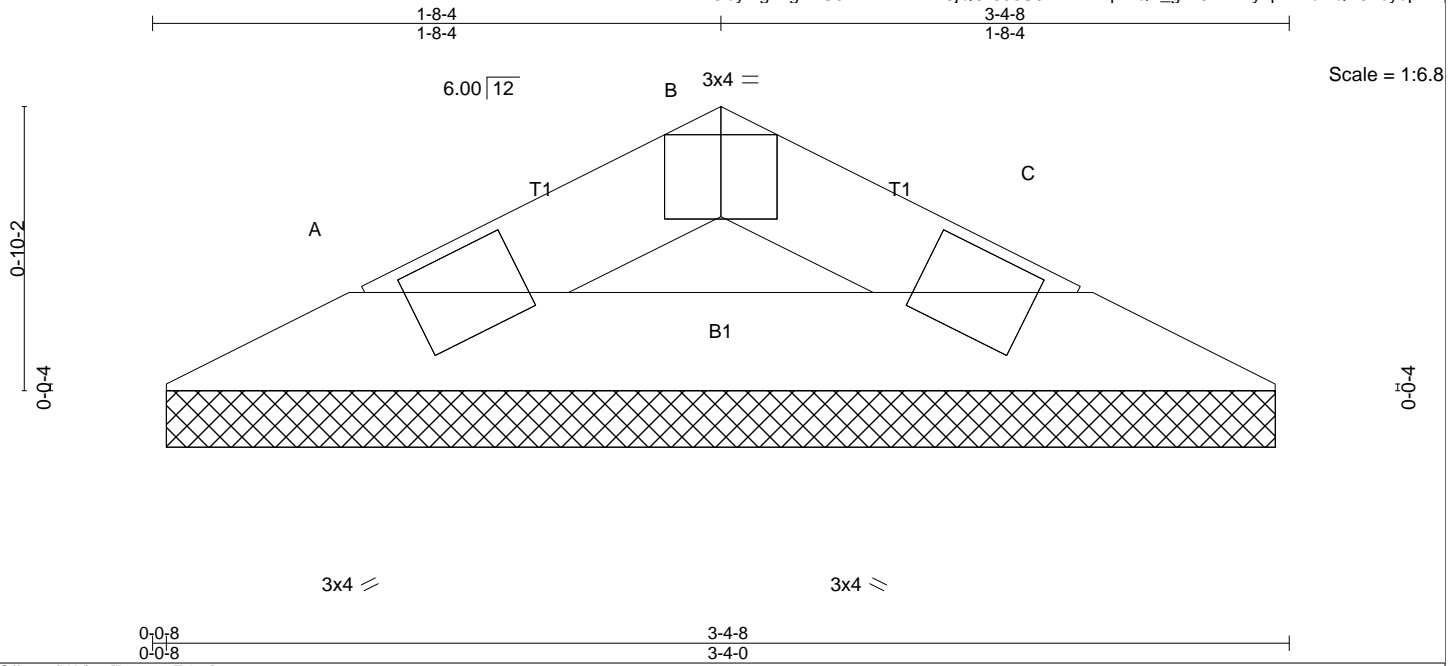
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint A and 30 lb uplift at joint C.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



This truss is to be fabricated per ANSI/TPI quality requirements. Plates shall be of size and type shown and centered at joints unless otherwise noted. This design is based upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of the Building Designer. Building Designer shall verify all design information on this sheet for conformance with conditions and requirements of the specific building and governing codes and ordinances. Building Designer accepts responsibility for the correctness or accuracy of the design information as it may relate to a specific building. Certification is valid only when truss is fabricated by a UFP company. Bracing shown is for lateral support of truss members only and does not replace erection and permanent bracing. Refer to Building Component Safety Information (BCSI) for general guidance regarding storage, delivery, erection and bracing available from SBCA and Truss Plate Institute.





Scale = 1:6.8

Plate Offsets (X,Y)-- [B:0-2-0,Edge]

| | | | | | |
|----------------------|-----------------------|-------------|----------------------------------|---------------|-------------|
| LOADING (psf) | SPACING- 2-0-0 | CSI. | DEFL. in (loc) l/defl L/d | PLATES | GRIP |
| TCLL 20.0 | Plate Grip DOL 1.15 | TC 0.02 | Vert(LL) n/a - n/a 999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.15 | BC 0.05 | Vert(CT) n/a - n/a 999 | | |
| BCLL 0.0 * | Rep Stress Incr YES | WB 0.00 | Horz(CT) 0.00 C n/a n/a | | |
| BCDL 10.0 | Code IRC2015/TPI2014 | Matrix-P | | Weight: 8 lb | FT = 20% |

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-4-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) A=85/3-3-8 (min. 0-1-8), C=85/3-3-8 (min. 0-1-8)
 Max Horz A=9(LC 10)
 Max Uplift A=-12(LC 10), C=-12(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD A-B=-82/59, B-C=-82/59
 BOT CHORD A-C=-35/63

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Gable requires continuous bottom chord bearing.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint A and 12 lb uplift at joint C.
 - 7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

