Lumber design values are in accordance with ANSI/TPI 1 section 6.3
These truss designs rely on lumber values established by others.

RE: 2544205 - IC CONST. - MCNUTT RES.

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

**Site Information:**

Customer Info: IC CONST. Project Name: McNutt Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 952 SW Mandiva, N/A
City: Columbia Cty State: FL

**Name Address and License # of Structural Engineer of Record, If there is one, for the building.**

Name: License #:
Address:
City: State:

**General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):**

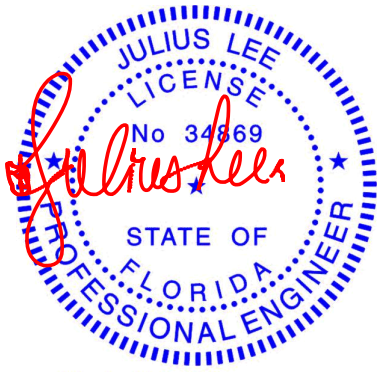
Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 49 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

| No. | Seal# | Truss Name | Date | No. | Seal# | Truss Name | Date |
|---|---|---|---|---|---|---|---|
| 1 | T21943132 | CJ01 | 11/19/20 | 23 | T21943154 | T07 | 11/19/20 |
| 2 | T21943133 | CJ02 | 11/19/20 | 24 | T21943155 | T08 | 11/19/20 |
| 3 | T21943134 | CJ03 | 11/19/20 | 25 | T21943156 | T09 | 11/19/20 |
| 4 | T21943135 | CJ03A | 11/19/20 | 26 | T21943157 | T10 | 11/19/20 |
| 5 | T21943136 | CJ04 | 11/19/20 | 27 | T21943158 | T11 | 11/19/20 |
| 6 | T21943137 | CJ05 | 11/19/20 | 28 | T21943159 | T12 | 11/19/20 |
| 7 | T21943138 | CJ05A | 11/19/20 | 29 | T21943160 | T13 | 11/19/20 |
| 8 | T21943139 | CJ06 | 11/19/20 | 30 | T21943161 | T13G | 11/19/20 |
| 9 | T21943140 | EJ01 | 11/19/20 | 31 | T21943162 | T14 | 11/19/20 |
| 10 | T21943141 | EJ02 | 11/19/20 | 32 | T21943163 | T15 | 11/19/20 |
| 11 | T21943142 | EJ03 | 11/19/20 | 33 | T21943164 | T16 | 11/19/20 |
| 12 | T21943143 | HJ09 | 11/19/20 | 34 | T21943165 | T17 | 11/19/20 |
| 13 | T21943144 | HJ10 | 11/19/20 | 35 | T21943166 | T17G | 11/19/20 |
| 14 | T21943145 | PB01 | 11/19/20 | 36 | T21943167 | T18 | 11/19/20 |
| 15 | T21943146 | PB01G | 11/19/20 | 37 | T21943168 | T19 | 11/19/20 |
| 16 | T21943147 | T01 | 11/19/20 | 38 | T21943169 | T20 | 11/19/20 |
| 17 | T21943148 | T01G | 11/19/20 | 39 | T21943170 | T21 | 11/19/20 |
| 18 | T21943149 | T02 | 11/19/20 | 40 | T21943171 | T22 | 11/19/20 |
| 19 | T21943150 | T03 | 11/19/20 | 41 | T21943172 | T23 | 11/19/20 |
| 20 | T21943151 | T04 | 11/19/20 | 42 | T21943173 | T24 | 11/19/20 |
| 21 | T21943152 | T05G | 11/19/20 | 43 | T21943174 | T25 | 11/19/20 |
| 22 | T21943153 | T06G | 11/19/20 | 44 | T21943175 | T26 | 11/19/20 |


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Jacksonville.

Truss Design Engineer's Name: Lee, Julius
My license renewal date for the state of Florida is February 28, 2021.

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Date: November 19,2020

**IMPORTANT NOTE:** The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

RE: 2544205 - IC CONST. - MCNUTT RES.

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

**Site Information:**

Customer Info: IC CONST. Project Name: McNutt Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 952 SW Mandiva, N/A
City: Columbia Cty State: FL

| No. | Seal# | Truss Name | Date |
|---|---|---|---|
| 45 | T21943176 | T27 | 11/19/20 |
| 46 | T21943177 | T28 | 11/19/20 |
| 47 | T21943178 | T29 | 11/19/20 |
| 48 | T21943179 | T30 | 11/19/20 |
| 49 | T21943180 | T30G | 11/19/20 |

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | CJ01 | JACK-OPEN | 4 | 1 | T21943132 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:22 2020 Page 1
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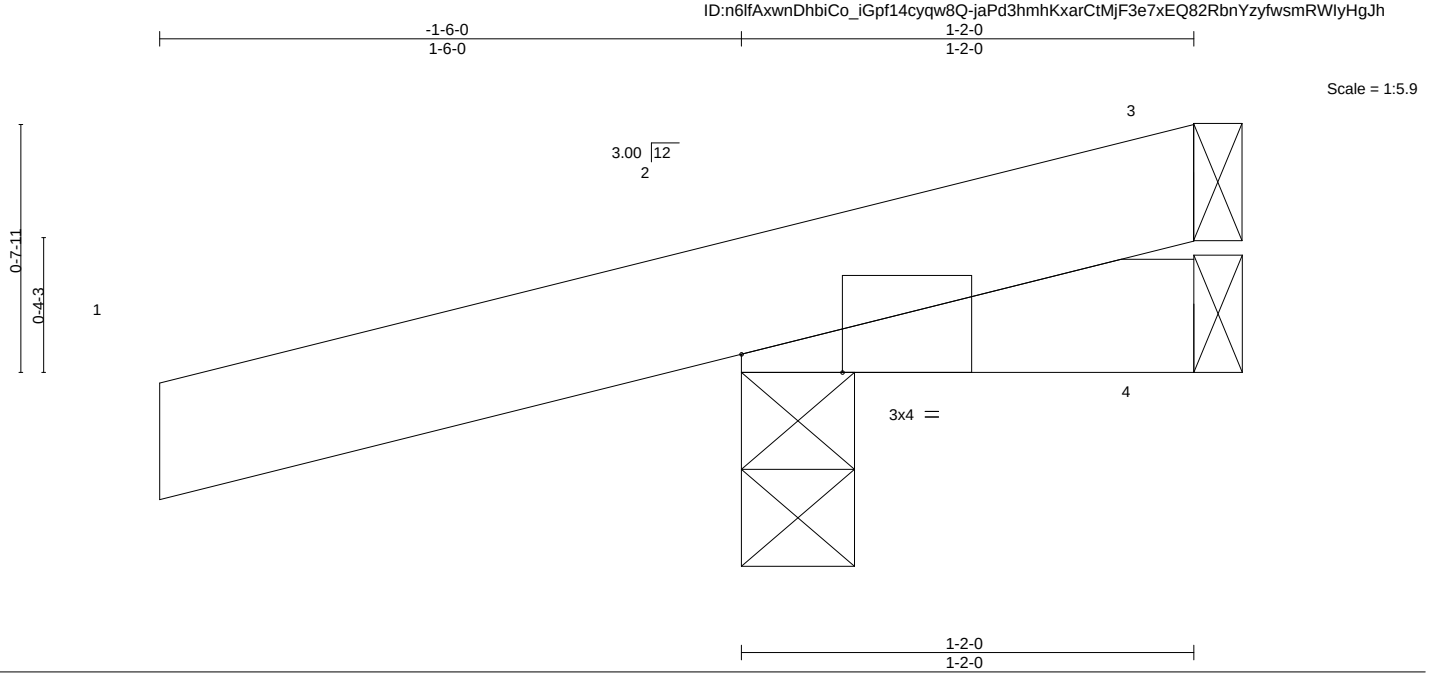



Plate Offsets (X,Y)-- [2:0-3-2,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.14 | Vert(LL) | 0.00 | 5 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.02 | Vert(CT) | -0.00 | 5 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MP | | | | | | | Weight: 6 lb | FT = 20% |

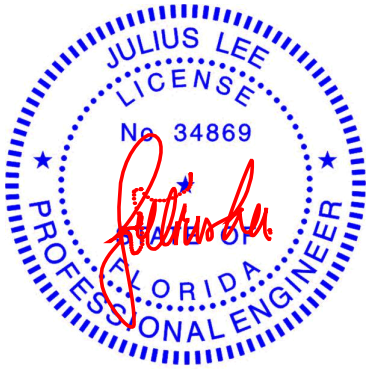
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 1-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 2=0-3-8, 4=Mechanical
Max Horz 2=38(LC 8)
Max Uplift 2=-173(LC 8), 4=-16(LC 1)
Max Grav 2=176(LC 1), 4=25(LC 16)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=173.

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Date:
November 19,2020



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6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | CJ02 | Jack-Open | 1 | 1 | T21943133 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:23 2020 Page 1
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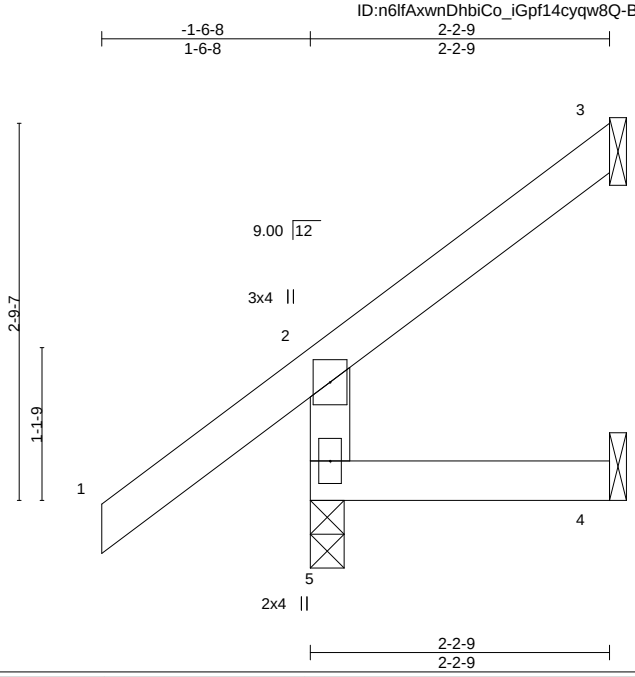



| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.34 | Vert(LL) | -0.00 | 4-5 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.11 | Vert(CT) | -0.00 | 4-5 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.01 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MR | | | | | | | Weight: 12 lb | FT = 20% |

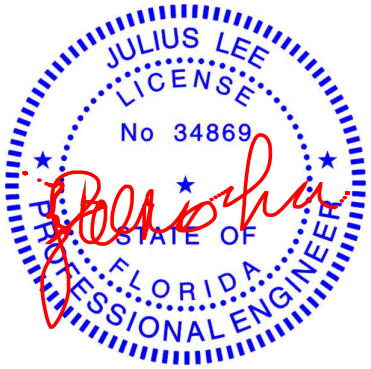
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-2-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=111(LC 12)
Max Uplift 5=-50(LC 12), 3=-60(LC 12), 4=-15(LC 12)
Max Grav 5=204(LC 1), 3=43(LC 19), 4=35(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4.

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Date:
November 19,2020



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6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | CJ03 | Jack-Open | 4 | 1 | T21943134 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:24 2020 Page 1
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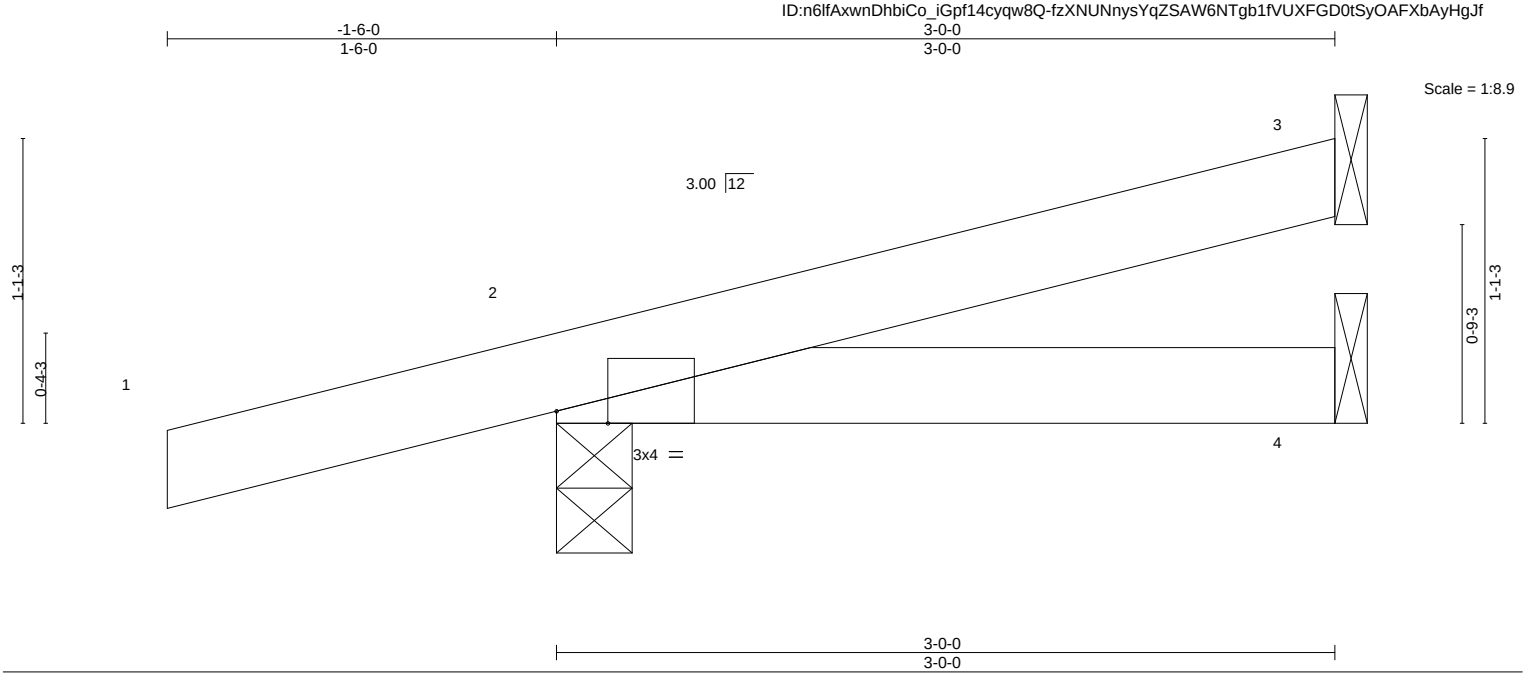



Plate Offsets (X,Y)-- [2:0-2-6,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.14 | Vert(LL) | 0.01 | 4-7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.09 | Vert(CT) | 0.01 | 4-7 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MP | | | | | | | Weight: 11 lb | FT = 20% |

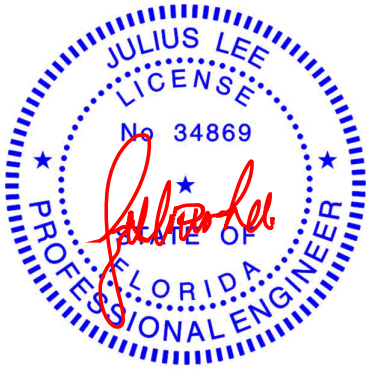
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

**REACTIONS.** (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=60(LC 8)
Max Uplift 3=-43(LC 8), 2=-187(LC 8), 4=-25(LC 9)
Max Grav 3=57(LC 1), 2=210(LC 1), 4=47(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=187.

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Date:
November 19,2020



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6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943135 |
|---|---|---|---|---|---|
| 2544205 | CJ03A | Jack-Open | 1 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:24 2020 Page 1
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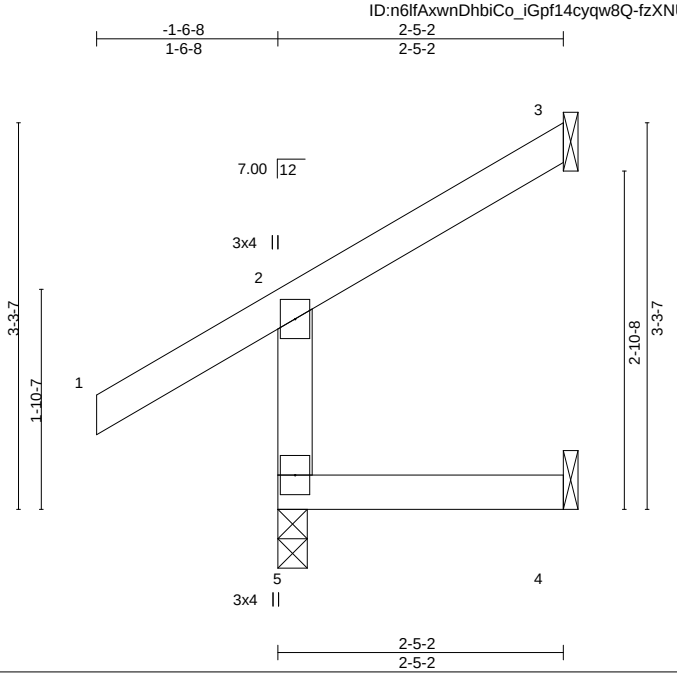



| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.38 | Vert(LL) | 0.01 | 4-5 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.22 | Vert(CT) | -0.01 | 4-5 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.03 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MR | | | | | | | Weight: 13 lb | FT = 20% |

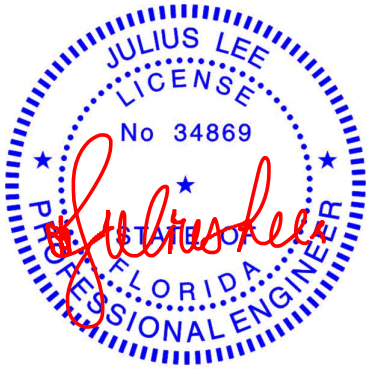
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-5-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=98(LC 9)
Max Uplift 5=-39(LC 12), 3=-69(LC 12), 4=-24(LC 12)
Max Grav 5=208(LC 1), 3=54(LC 19), 4=44(LC 10)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4.

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6904 Parke East Blvd. Tampa FL 33610
Date:
November 19,2020



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Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | CJ04 | Jack-Open | 1 | 1 | T21943136 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:25 2020 Page 1
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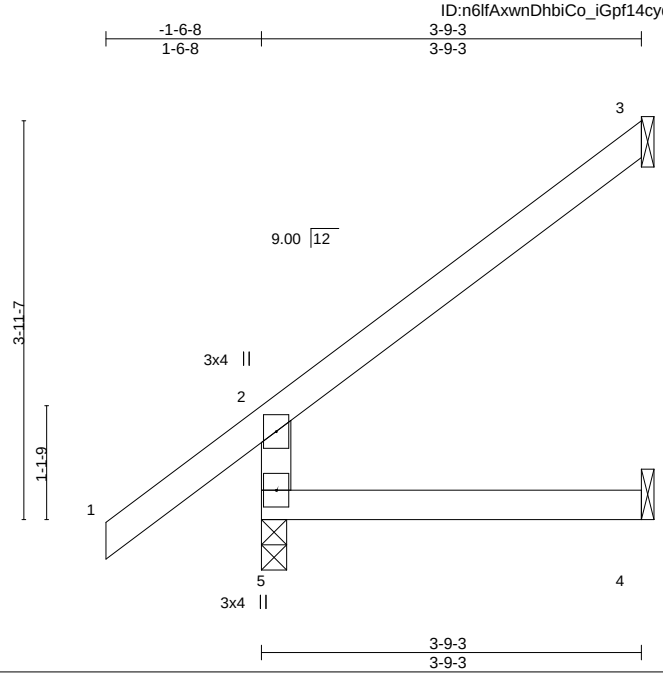



| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.36 | Vert(LL) | 0.02 | 4-5 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.23 | Vert(CT) | -0.02 | 4-5 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.03 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MR | | | | | | | Weight: 17 lb | FT = 20% |

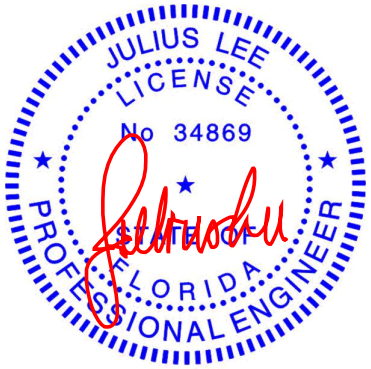
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-9-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=167(LC 12)
Max Uplift 5=-46(LC 12), 3=-114(LC 12), 4=-17(LC 12)
Max Grav 5=244(LC 1), 3=99(LC 19), 4=66(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4 except (jt=lb) 3=114.

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Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | CJ05 | Jack-Open | 4 | 1 | T21943137 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:26 2020 Page 1
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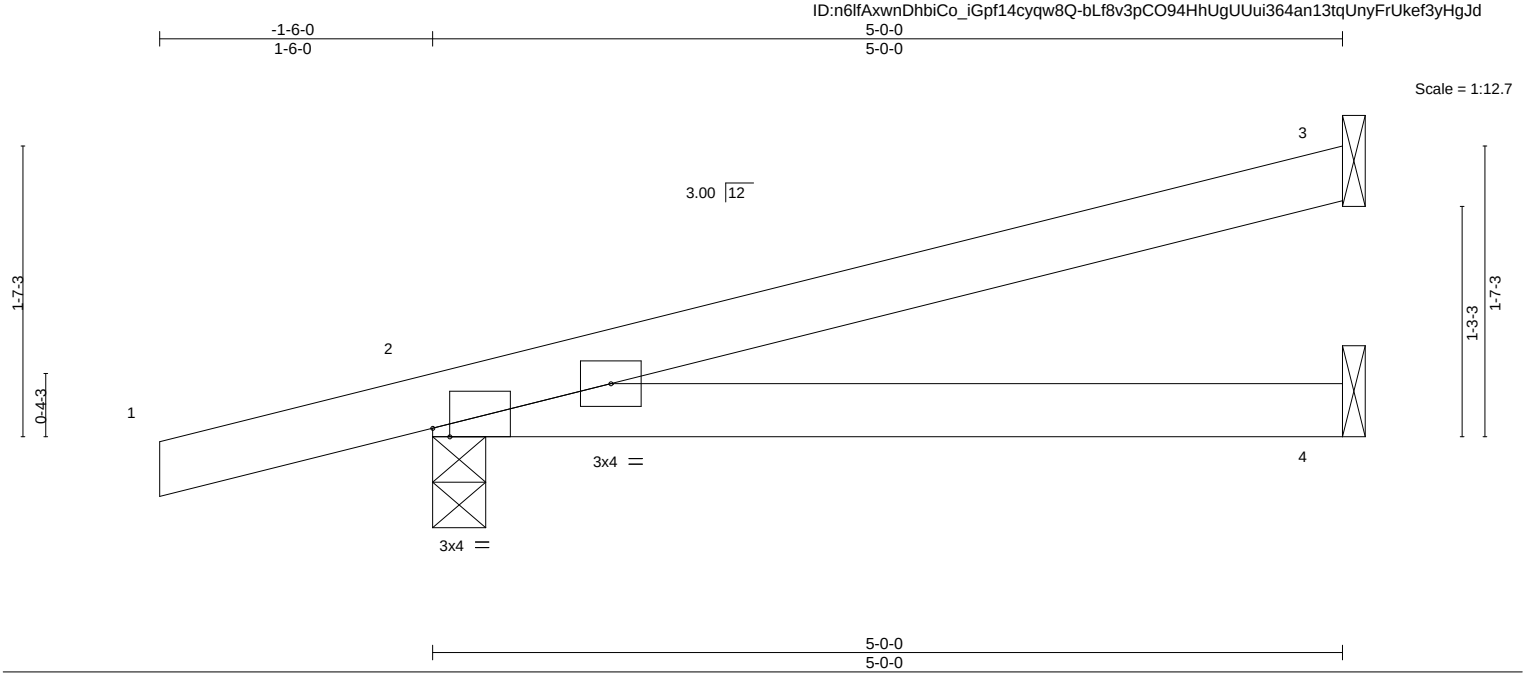


Plate Offsets (X,Y)-- [2:0-1-2,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.33 | Vert(LL) | 0.08 | 4-7 | >751 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.34 | Vert(CT) | 0.07 | 4-7 | >870 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MP | | | | | | | Weight: 18 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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=84(LC 8)
Max Uplift 3=-88(LC 8), 2=-232(LC 8), 4=-49(LC 8)
Max Grav 3=110(LC 1), 2=276(LC 1), 4=85(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=232.


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Date:
November 19,2020



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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | CJ05A | Jack-Open | 1 | 1 | T21943138 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:27 2020 Page 1
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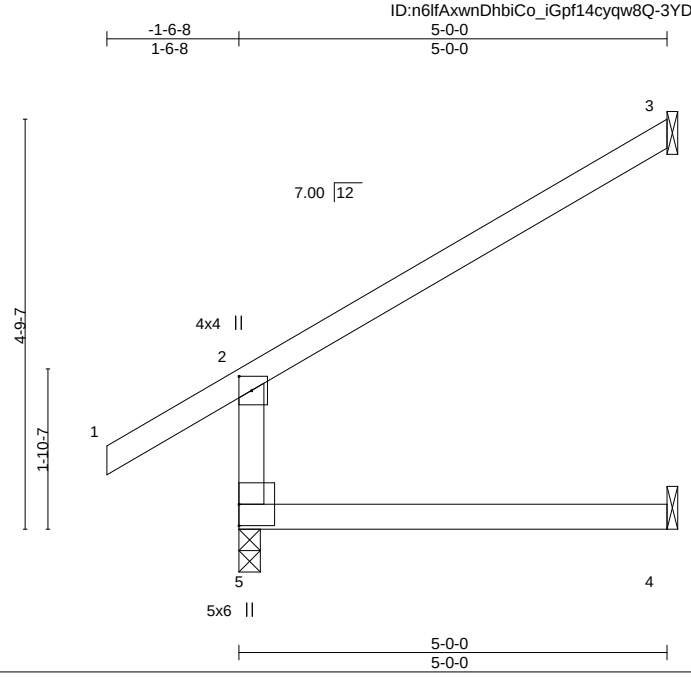



Plate Offsets (X,Y)-- [2:0-2-0,0-1-12]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.72 | Vert(LL) | 0.06 | 4-5 | >956 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.48 | Vert(CT) | -0.08 | 4-5 | >765 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.14 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MR | | | | | | | Weight: 21 lb | FT = 20% |

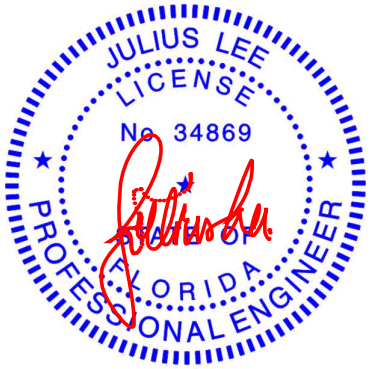
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**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.** (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=150(LC 12)
Max Uplift 5=-57(LC 12), 3=-141(LC 12), 4=-23(LC 12)
Max Grav 5=284(LC 1), 3=138(LC 19), 4=90(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4 except (jt=lb) 3=141.

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November 19,2020



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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943139 |
|---|---|---|---|---|---|
| 2544205 | CJ06 | Jack-Open | 1 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:28 2020 Page 1
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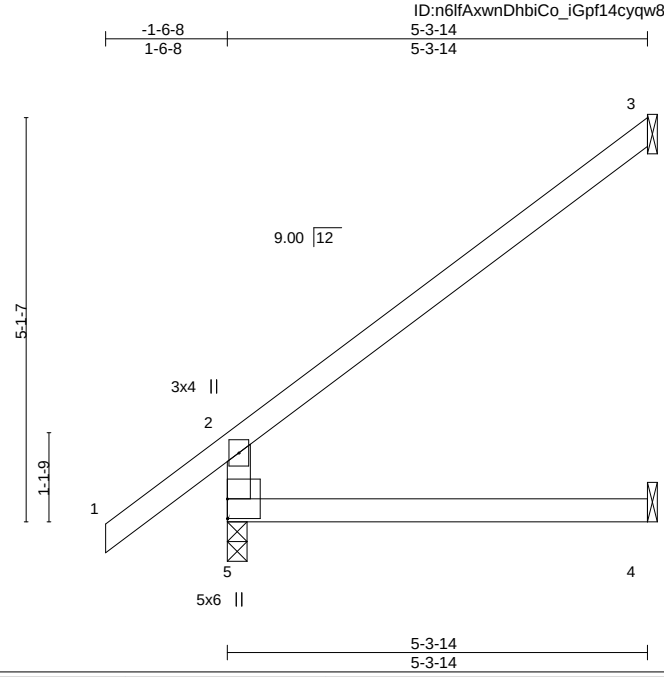



| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.60 | Vert(LL) | 0.07 | 4-5 | >865 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.43 | Vert(CT) | -0.08 | 4-5 | >729 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.08 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MR | | | | | | | Weight: 22 lb | FT = 20% |

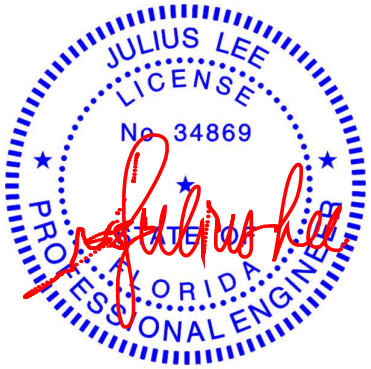
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-3-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=224(LC 12)
Max Uplift 5=-48(LC 12), 3=-162(LC 12), 4=-21(LC 12)
Max Grav 5=295(LC 1), 3=148(LC 19), 4=95(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 4 except (jt=lb) 3=162.

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943140 |
|---|---|---|---|---|---|
| 2544205 | EJ01 | Jack-Partial | 11 | 1 | Job Reference (optional) |

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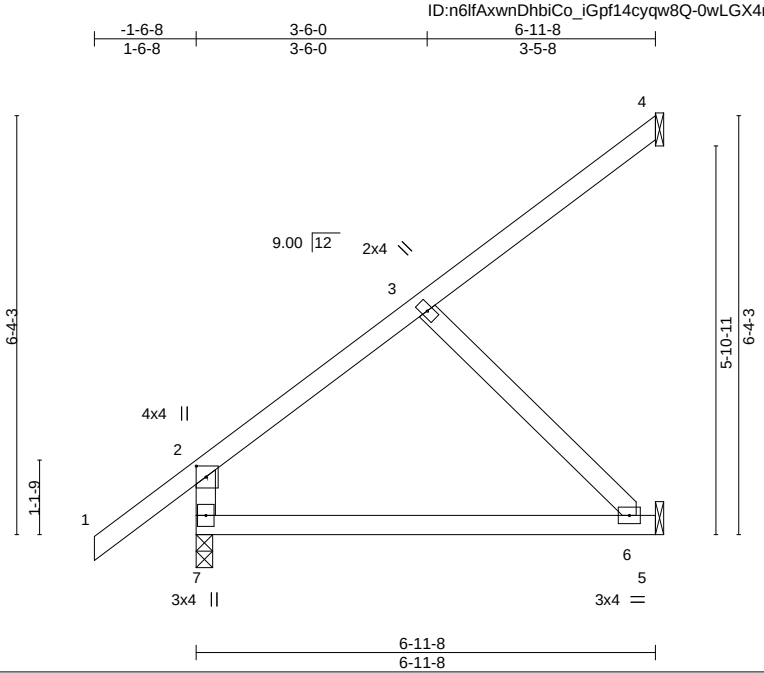



Plate Offsets (X,Y)-- [2:0-2-0,0-1-12]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.38 | Vert(LL) | -0.10 | 6-7 | >824 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.50 | Vert(CT) | -0.20 | 6-7 | >415 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.12 | Horz(CT) | 0.02 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 34 lb | FT = 20% |

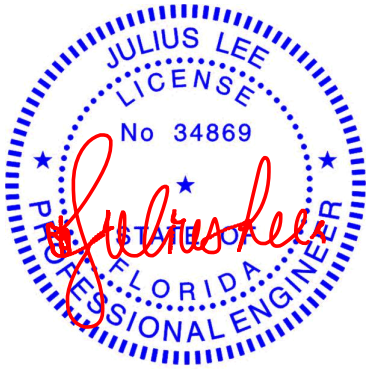
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

**REACTIONS.** (size) 7=0-3-0, 4=Mechanical, 5=Mechanical
Max Horz 7=284(LC 12)
Max Uplift 7=-52(LC 12), 4=-89(LC 12), 5=-147(LC 12)
Max Grav 7=352(LC 1), 4=93(LC 19), 5=192(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-270/138
WEBS 3-6=-287/260

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 4 except (jt=lb) 5=147.

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November 19,2020



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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | EJ02 | Jack-Partial | 2 | 1 | T21943141 |

Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:29 2020 Page 1
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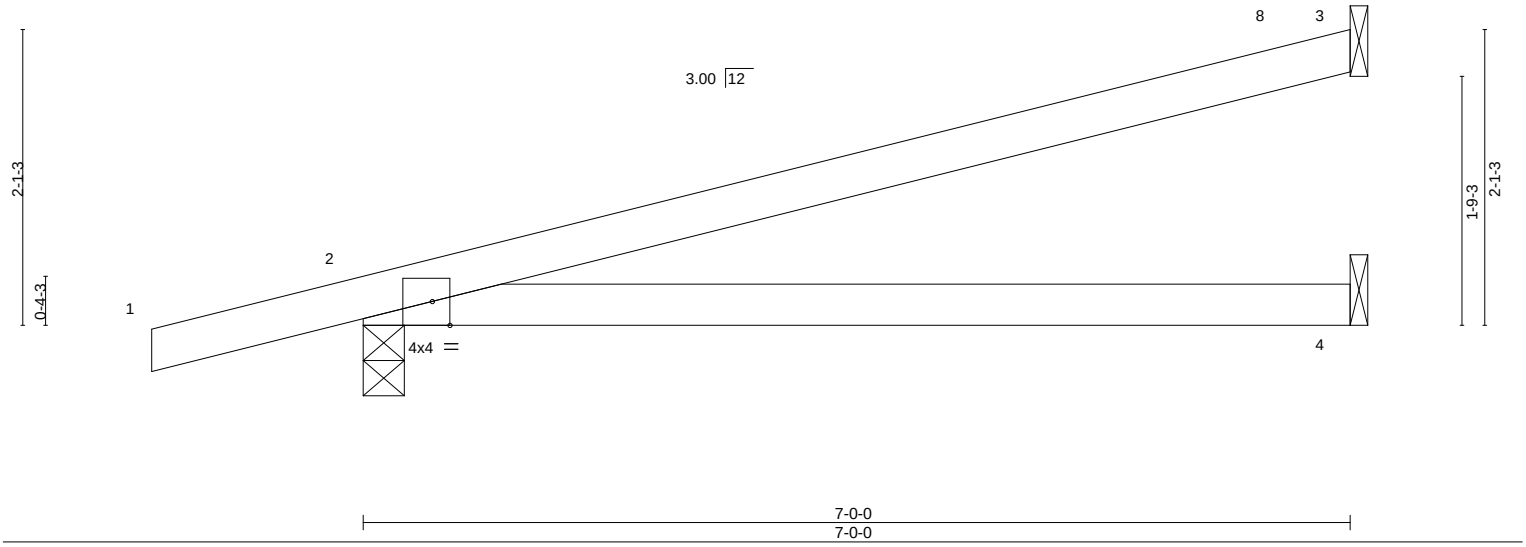
-1-6-0 7-0-0
1-6-0 7-0-0

Scale = 1:16.3




7-0-0
7-0-0

Plate Offsets (X,Y)-- [2:0-1-8,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.73 | Vert(LL) | 0.32 | 4-7 | >262 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.72 | Vert(CT) | 0.27 | 4-7 | >305 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.01 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 24 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.** (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=109(LC 8)
Max Uplift 3=-129(LC 8), 2=-282(LC 8), 4=-71(LC 8)
Max Grav 3=162(LC 1), 2=346(LC 1), 4=122(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=129, 2=282.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November 19,2020



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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | EJ03 | Jack-Open | 8 | 1 | T21943142 |
| | | | | | Job Reference (optional) |

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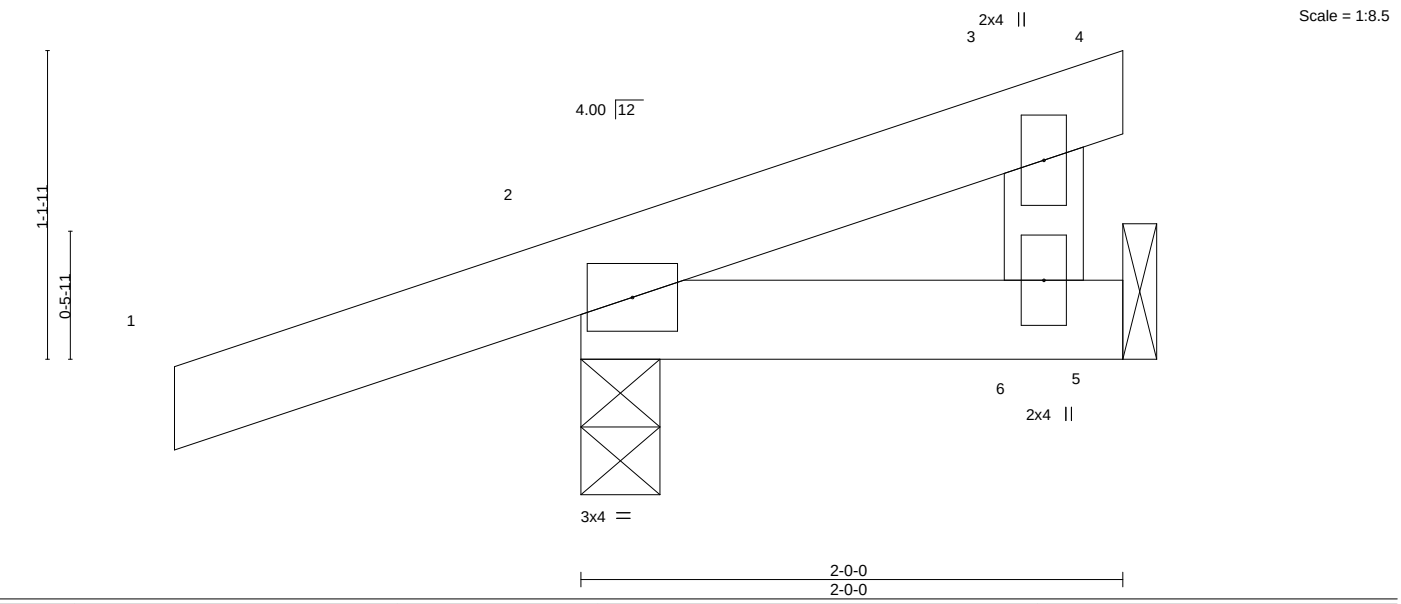



| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.15 | Vert(LL) | -0.00 | 9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.03 | Vert(CT) | -0.00 | 9 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.02 | Horz(CT) | 0.00 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MP | | | | | | | Weight: 9 lb | FT = 20% |

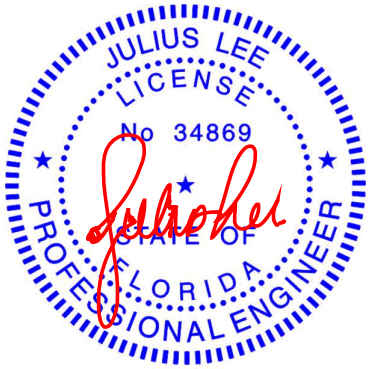
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 2=0-3-8, 5=Mechanical
Max Horz 2=64(LC 8)
Max Uplift 2=-144(LC 8), 5=-21(LC 12)
Max Grav 2=184(LC 1), 5=46(LC 3)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=144.

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | HJ09 | Diagonal Hip Girder | 1 | 1 | T21943143 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:31 2020 Page 1
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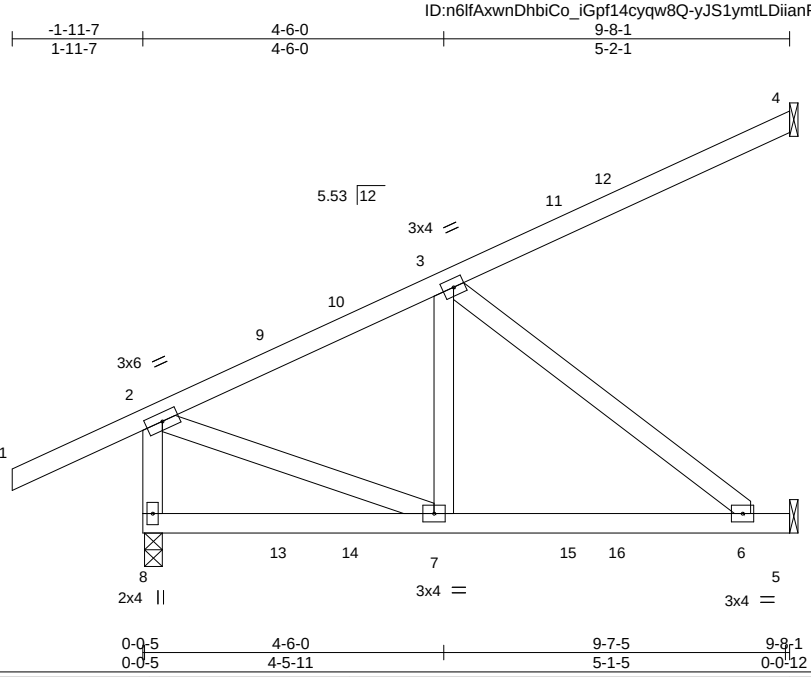



| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.62 | Vert(LL) | 0.10 | 6-7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.58 | Vert(CT) | -0.12 | 6-7 | >939 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.34 | Horz(CT) | -0.01 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 55 lb | FT = 20% |

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

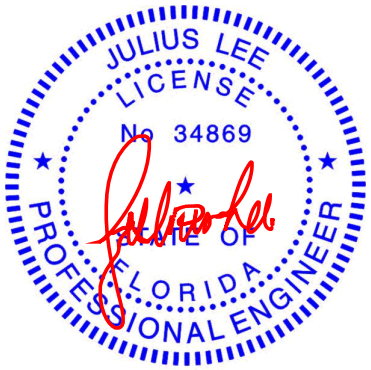
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

**REACTIONS.** (size) 8=0-3-3, 4=Mechanical, 5=Mechanical
Max Horz 8=225(LC 8)
Max Uplift 8=-320(LC 4), 4=-237(LC 8), 5=-300(LC 8)
Max Grav 8=542(LC 32), 4=192(LC 1), 5=347(LC 29)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-518/329, 2-3=-557/328
BOT CHORD 6-7=-425/406
WEBS 2-7=-297/510, 3-6=-518/541

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=320, 4=237, 5=300.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 101 lb down and 55 lb up at 2-1-3, 124 lb down and 62 lb up at 3-2-2, 127 lb down and 117 lb up at 4-7-10, 162 lb down and 147 lb up at 6-5-4, and 156 lb down and 171 lb up at 7-2-0, and 79 lb down and 93 lb up at 9-7-5 on top chord, and 23 lb down and 19 lb up at 2-1-3, 34 lb down and 29 lb up at 3-2-2, 40 lb down and 27 lb up at 4-7-10, and 56 lb down and 37 lb up at 6-5-4, and 58 lb down and 36 lb up at 7-2-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 4=-50(B) 7=-8(B) 3=-8(B) 11=-23(F) 12=-51(B) 13=5(B) 14=3(F) 15=-17(F) 16=-30(B)

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | HJ10 | Diagonal Hip Girder | 2 | 1 | T21943144 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:32 2020 Page 1
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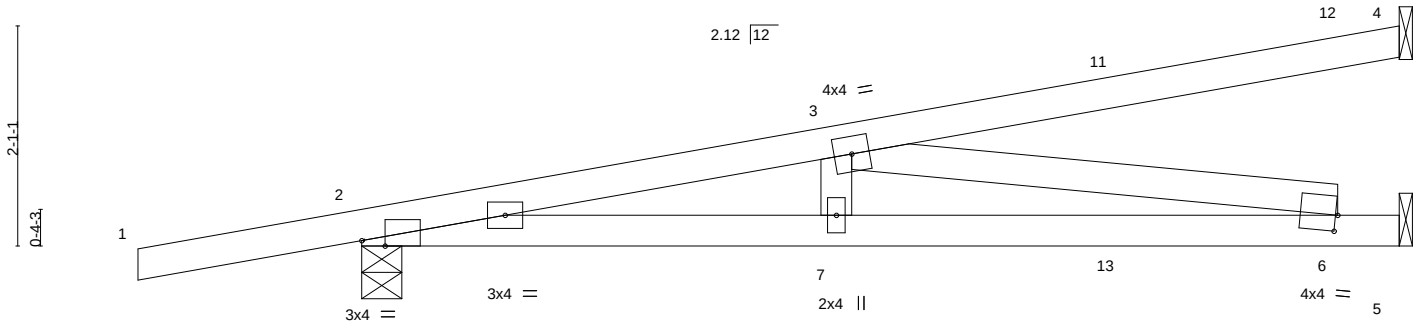
-2-1-7 / 2-1-7 | 4-6-0 / 4-6-0 | 9-10-1 / 5-4-1

Scale = 1:21.8




4-6-0 / 4-6-0 | 9-10-1 / 5-4-1

Plate Offsets (X,Y)-- [2:0-2-11,Edge], [6:0-0-4,0-1-14]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.63 | Vert(LL) | 0.20 | 6-7 | >596 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.83 | Vert(CT) | -0.19 | 6-7 | >615 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.67 | Horz(CT) | 0.02 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 41 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 4-10-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-1-2 oc bracing.

**REACTIONS.** (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=107(LC 4)
Max Uplift 4=-122(LC 8), 2=-448(LC 4), 5=-240(LC 4)
Max Grav 4=158(LC 1), 2=531(LC 1), 5=294(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1388/1042
BOT CHORD 2-7=-1085/1357, 6-7=-1085/1357
WEBS 3-7=-145/276, 3-6=-1378/1103

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=122, 2=448, 5=240.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 26 lb down and 47 lb up at 4-4-0, 26 lb down and 47 lb up at 4-4-0, and 48 lb down and 98 lb up at 7-1-15, and 48 lb down and 98 lb up at 7-1-15 on top chord , and 62 lb down and 22 lb up at 1-6-1, 62 lb down and 22 lb up at 1-6-1, 19 lb down and 36 lb up at 4-4-0, 19 lb down and 36 lb up at 4-4-0, and 40 lb down and 67 lb up at 7-1-15, and 40 lb down and 67 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 3=-0(F=-0, B=-0) 7=-13(F=-7, B=-7) 11=-68(F=-34, B=-34) 13=-63(F=-32, B=-32)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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943145 |
|---|---|---|---|---|---|
| 2544205 | PB01 | Piggyback | 17 | 1 | Job Reference (optional) |

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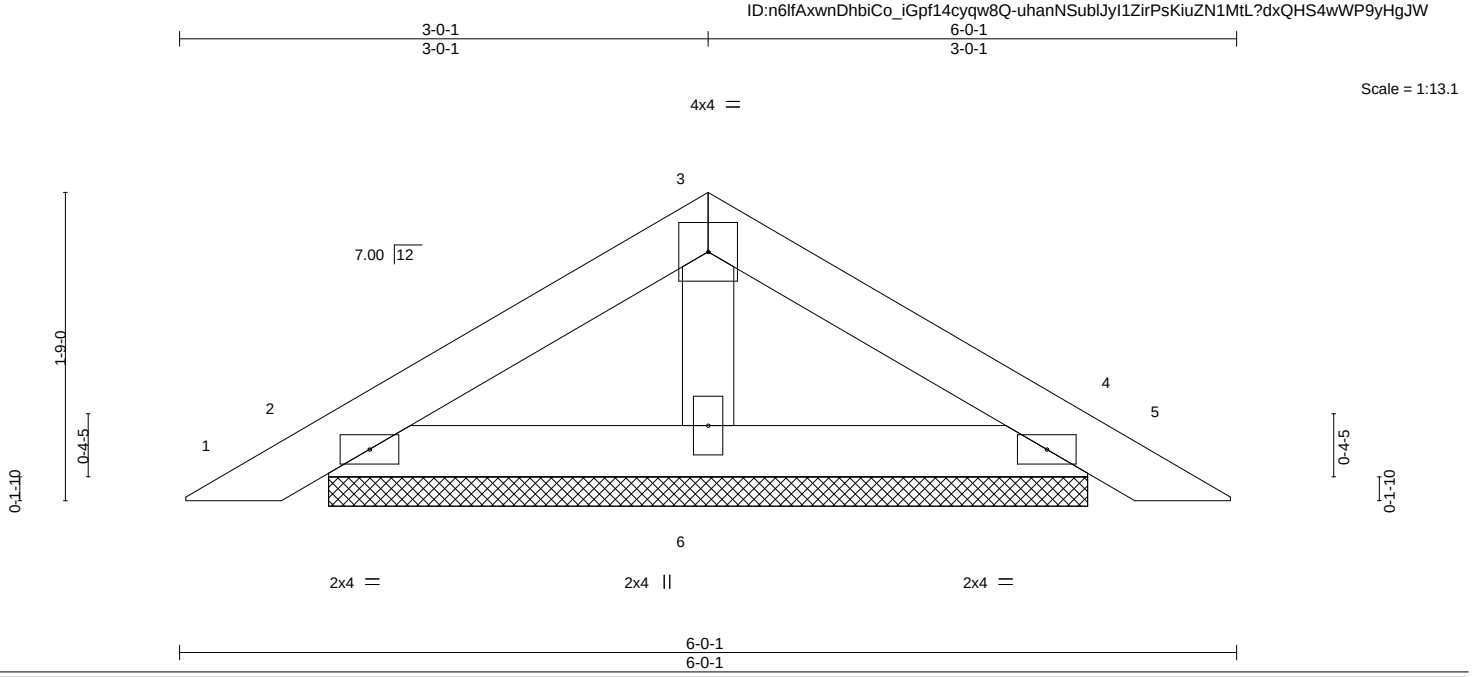



| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.07 | Vert(LL) | 0.00 | 5 | n/r | 120 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.05 | Vert(CT) | 0.00 | 5 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.02 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-P | | | | | | | Weight: 18 lb | FT = 20% |

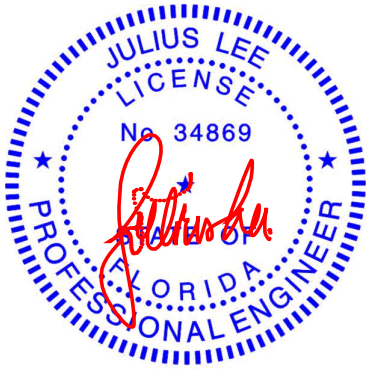
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

**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.** (size) 2=4-3-12, 4=4-3-12, 6=4-3-12
Max Horz 2=-49(LC 10)
Max Uplift 2=-63(LC 12), 4=-69(LC 13), 6=-29(LC 12)
Max Grav 2=115(LC 1), 4=115(LC 20), 6=147(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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 100 lb uplift at joint(s) 2, 4, 6.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | PB01G | PIGGYBACK | 2 | 1 | T21943146 |

Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:34 2020 Page 1
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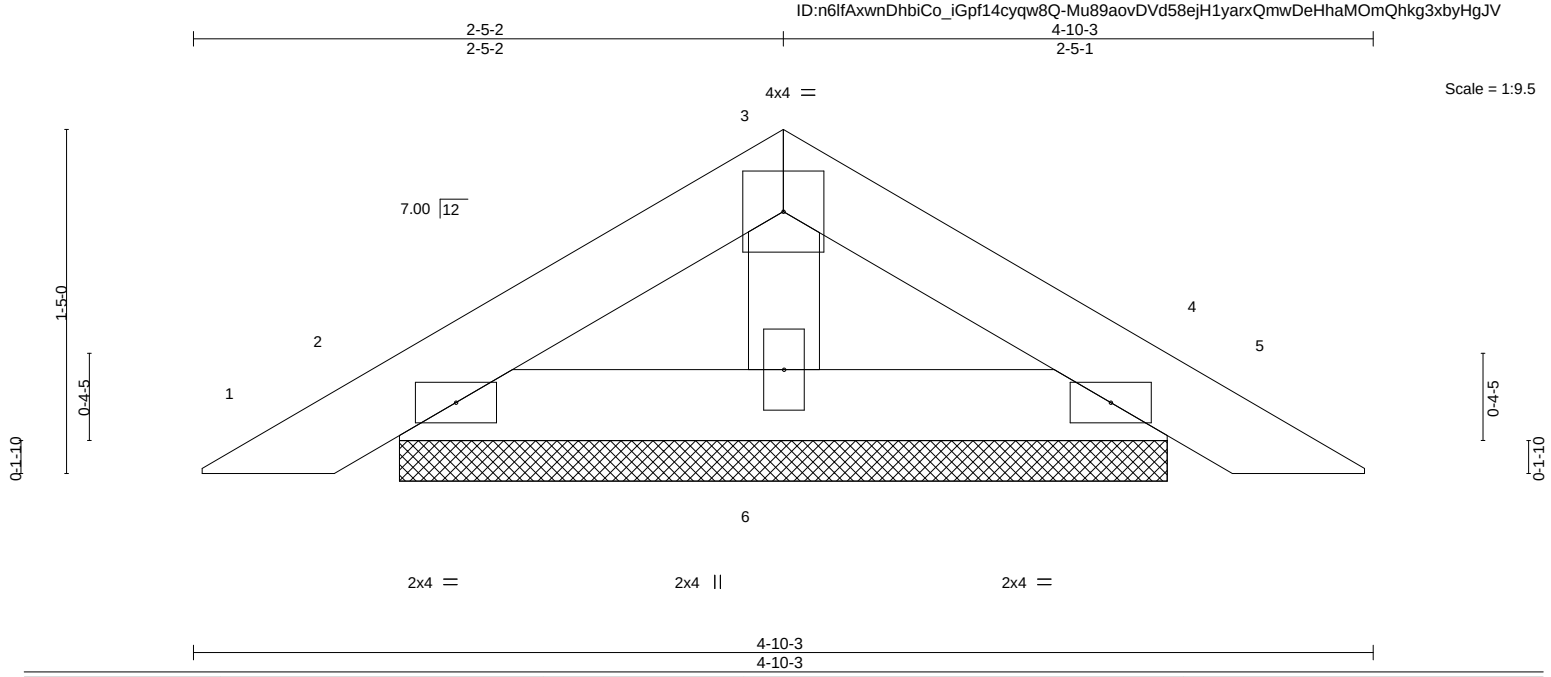



| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.04 | Vert(LL) | 0.00 | 4 | n/r | 120 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.03 | Vert(CT) | 0.00 | 4 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.01 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-P | | | | | | | Weight: 14 lb | FT = 20% |

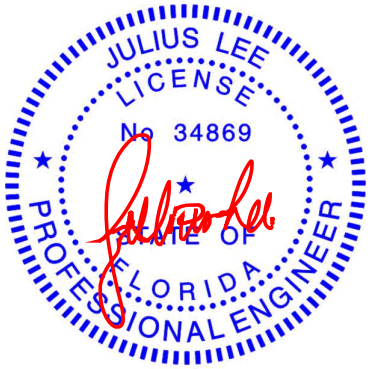
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

**REACTIONS.** (size) 2=3-1-14, 4=3-1-14, 6=3-1-14
Max Horz 2=-38(LC 10)
Max Uplift 2=-53(LC 12), 4=-58(LC 13), 6=-18(LC 12)
Max Grav 2=94(LC 1), 4=94(LC 20), 6=104(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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 100 lb uplift at joint(s) 2, 4, 6.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T01 | Common | 1 | 1 | T21943147 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:35 2020 Page 1
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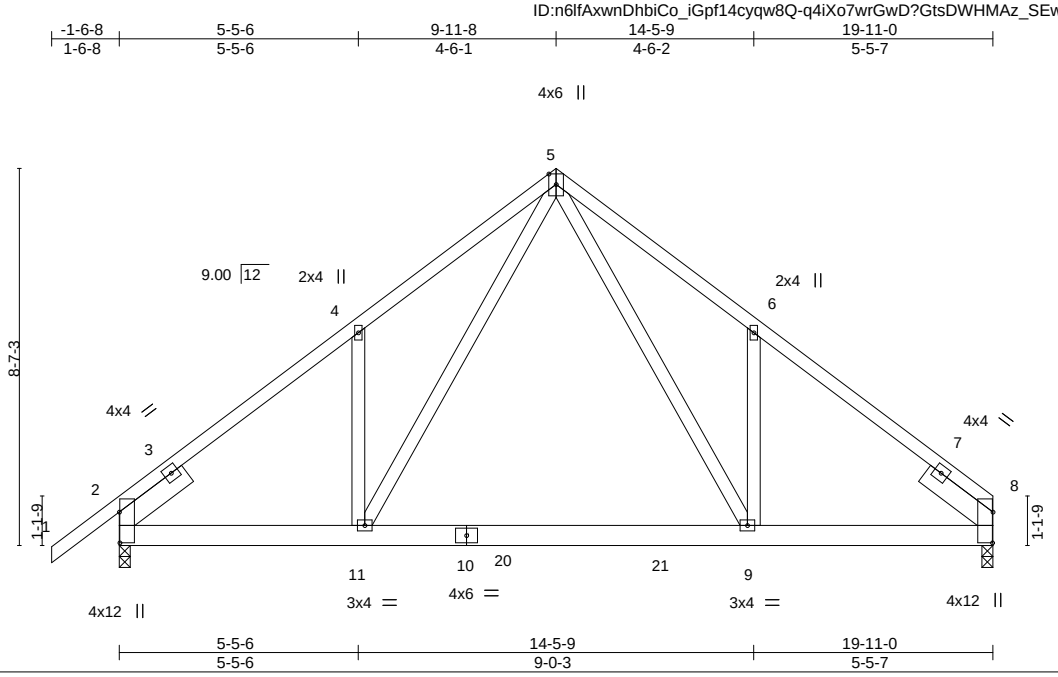



Plate Offsets (X,Y)-- [2:0-8-7,0-0-2], [8:0-8-7,0-0-2]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.64 | Vert(LL) | -0.18 | 9-11 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.83 | Vert(CT) | -0.34 | 9-11 | >709 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.82 | Horz(CT) | 0.04 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 136 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

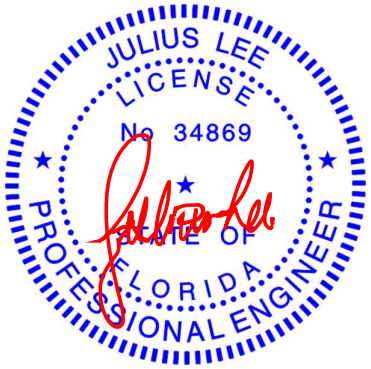
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 8=0-3-0, 2=0-3-0
Max Horz 2=256(LC 11)
Max Uplift 8=-378(LC 13), 2=-432(LC 12)
Max Grav 8=1023(LC 20), 2=1108(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1362/578, 4-5=-1434/776, 5-6=-1431/781, 6-8=-1372/582
BOT CHORD 2-11=-436/1167, 9-11=-198/747, 8-9=-346/1046
WEBS 5-9=-503/889, 6-9=-297/324, 5-11=-493/871, 4-11=-298/322

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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 100 lb uplift at joint(s) except (jt=lb) 8=378, 2=432.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-8=-54, 11-16=-20, 9-11=-80(F=-60), 9-12=-20

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T01G | GABLE | 1 | 1 | T21943148 |
| | | | | | Job Reference (optional) |

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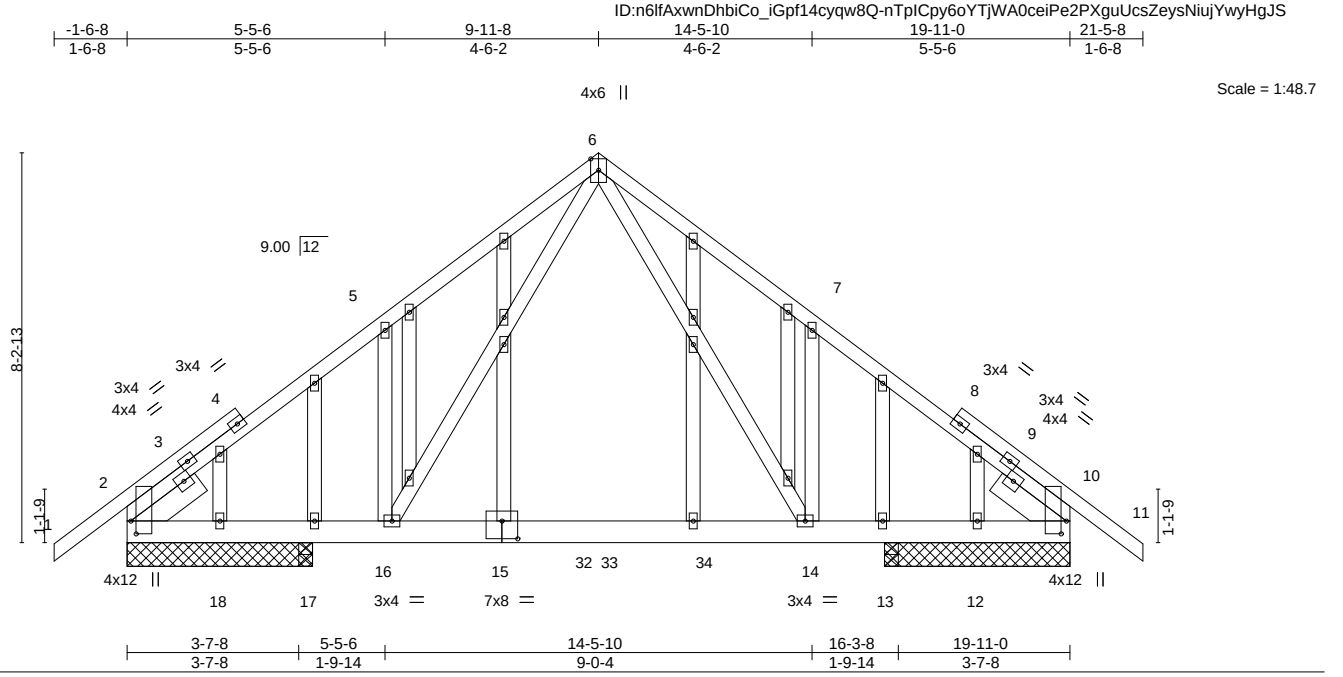



Plate Offsets (X,Y)-- [2:0-3-4,0-1-5], [10:0-3-4,0-1-5], [15:0-4-0,0-4-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.29 | Vert(LL) | -0.08 | 14-16 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.44 | Vert(CT) | -0.15 | 14-16 | >945 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.49 | Horz(CT) | 0.01 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 187 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-8-3, Right 2x6 SP No.2 1-8-3

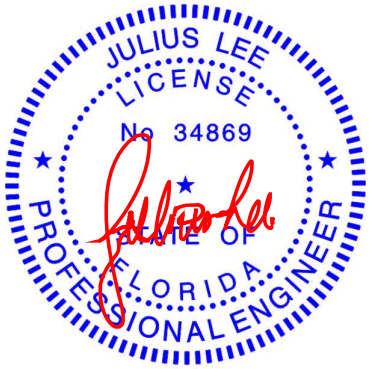
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** All bearings 3-11-0 except (jt=length) 17=0-3-8, 17=0-3-8, 13=0-3-8, 13=0-3-8.
(lb) - Max Horz 2=-257(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-276(LC 8), 10=-247(LC 9), 18=-219(LC 36), 12=-247(LC 33), 17=-182(LC 8), 13=-166(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 18, 12 except 2=799(LC 33), 10=777(LC 2), 17=294(LC 1), 17=294(LC 1), 13=294(LC 1), 13=294(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-851/335, 5-6=-818/488, 6-7=-839/505, 7-10=-838/320
BOT CHORD 2-18=-215/717, 17-18=-234/713, 16-17=-234/713, 14-16=-111/480, 13-14=-161/634, 12-13=-161/634, 10-12=-152/650
WEBS 6-14=-324/485, 7-14=-292/326, 6-16=-312/467, 5-16=-291/325

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 276 lb uplift at joint 2, 247 lb uplift at joint 10, 219 lb uplift at joint 18, 247 lb uplift at joint 12, 182 lb uplift at joint 17 and 166 lb uplift at joint 13.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 20 lb down and 31 lb up at 3-8-4, 20 lb down and 31 lb up at 5-8-4, 20 lb down and 31 lb up at 7-8-4, 20 lb down and 31 lb up at 9-8-4, 20 lb down and 31 lb up at 10-2-12, 20 lb down and 31 lb up at 12-2-12, and 20 lb down and 31 lb up at 14-2-12, and 20 lb down and 31 lb up at 16-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

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Continued on page 2



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**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-54, 6-11=-54, 2-10=-20
   Concentrated Loads (lb)
   Vert: 14=-13(B) 16=-13(B) 15=-13(B) 17=-13(B) 13=-13(B) 32=-13(B) 33=-13(B) 34=-13(B)

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T02 | Roof Special | 9 | 1 | T21943149 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:39 2020 Page 1
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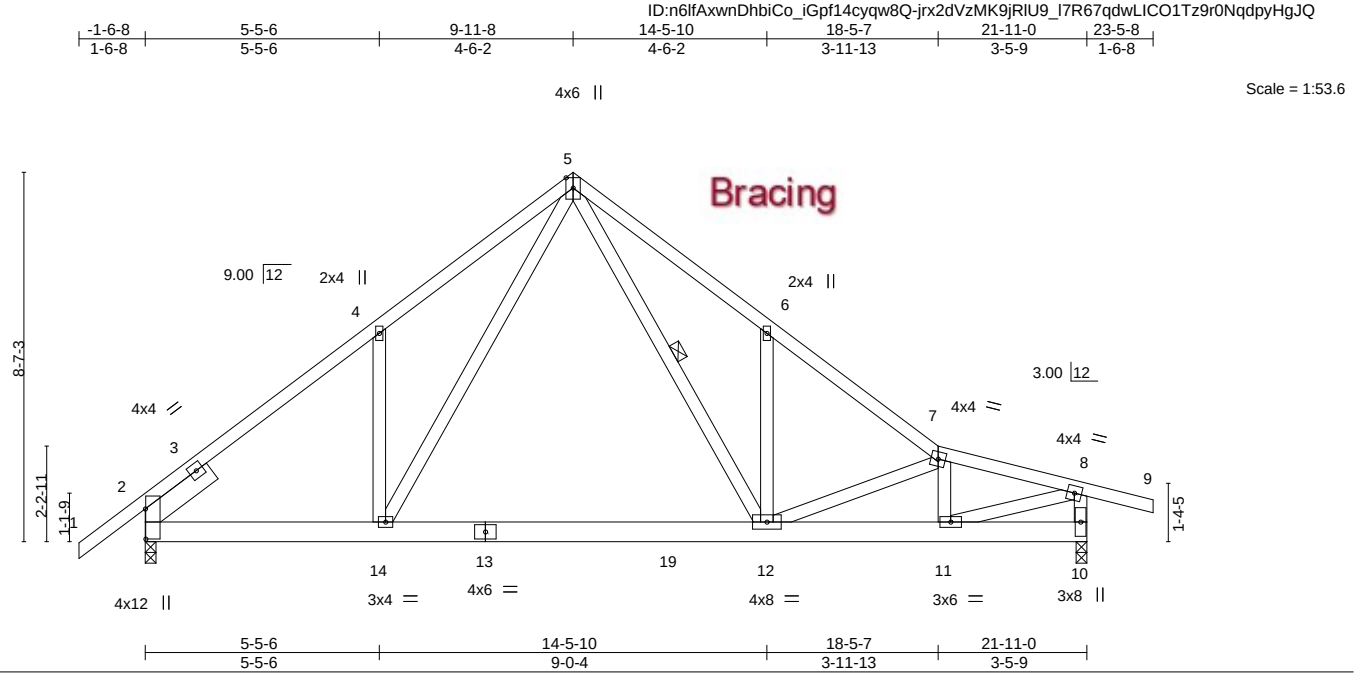



Plate Offsets (X,Y)-- [2:0-8-7,0-0-2]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.68 | Vert(LL) | -0.16 | 12-14 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.82 | Vert(CT) | -0.32 | 12-14 | >814 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.78 | Horz(CT) | -0.02 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 155 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8

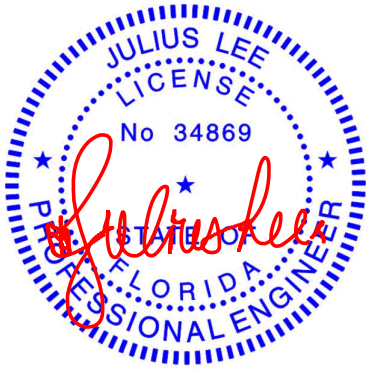
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-9-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-9-0 oc bracing: 11-12.
WEBS 1 Row at midpt 5-12

**REACTIONS.** (size) 2=0-3-0, 10=0-3-0
Max Horz 2=-266(LC 10)
Max Uplift 2=-462(LC 12), 10=-466(LC 13)
Max Grav 2=1208(LC 19), 10=1145(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1489/677, 4-5=-1543/871, 5-6=-1807/996, 6-7=-1724/791, 7-8=-1558/744, 8-10=-1024/602
BOT CHORD 2-14=-442/1285, 12-14=-212/886, 11-12=-674/1534
WEBS 4-14=-296/321, 5-14=-478/826, 5-12=-644/1258, 6-12=-354/329, 7-12=-294/214, 7-11=-680/327, 8-11=-673/1464

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical 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 462 lb uplift at joint 2 and 466 lb uplift at joint 10.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-7=-54, 7-8=-54, 8-9=-54, 14-15=-20, 12-14=-80(F=-60), 10-12=-20

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943150 |
|---|---|---|---|---|---|
| 2544205 | T03 | Common | 7 | 1 | Job Reference (optional) |

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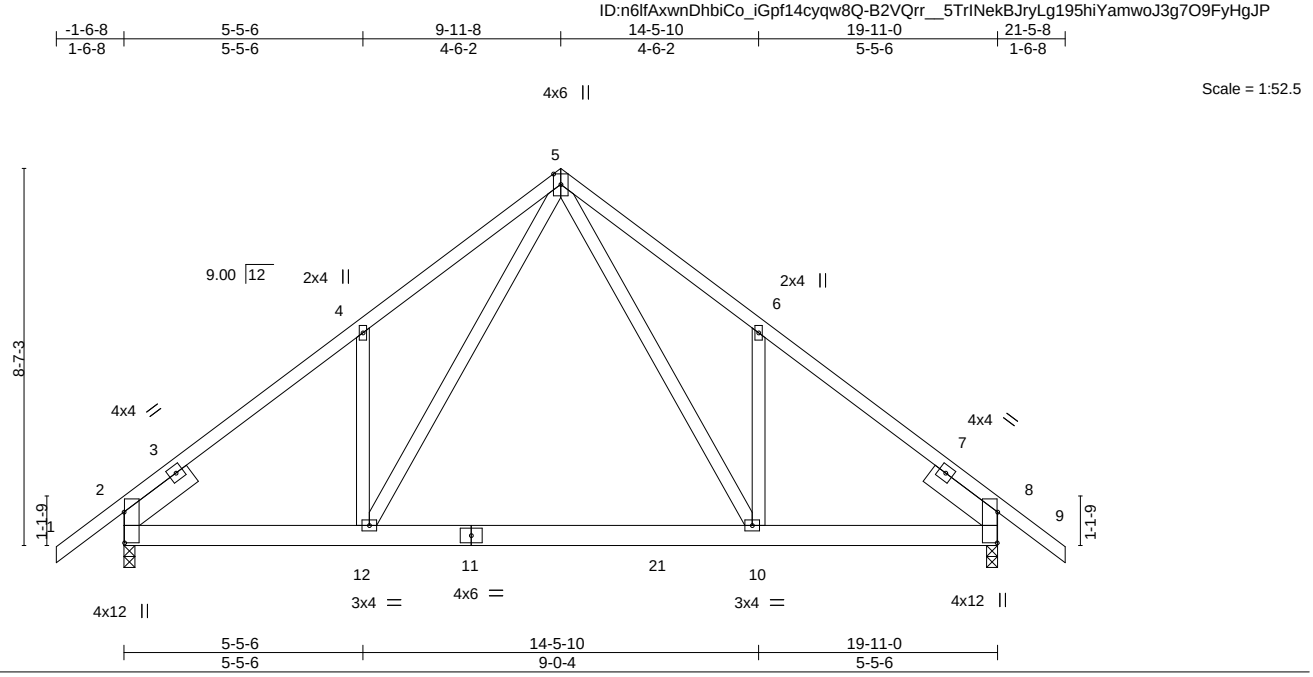



Plate Offsets (X,Y)-- [2:0-8-7,0-0-2], [8:0-8-7,0-0-2]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.64 | Vert(LL) | -0.17 | 10-12 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.82 | Vert(CT) | -0.33 | 10-12 | >716 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.81 | Horz(CT) | 0.04 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 139 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

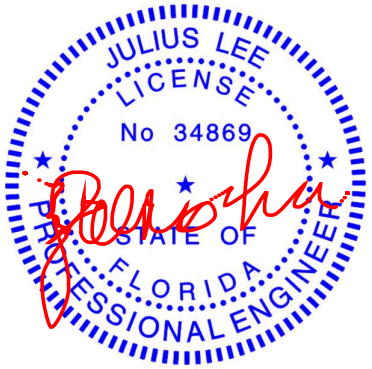
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-0-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 2=0-3-0, 8=0-3-0
Max Horz 2=269(LC 11)
Max Uplift 2=-431(LC 12), 8=-431(LC 13)
Max Grav 2=1098(LC 19), 8=1099(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1344/574, 4-5=-1432/772, 5-6=-1432/772, 6-8=-1347/574
BOT CHORD 2-12=-412/1172, 10-12=-174/756, 8-10=-298/1047
WEBS 5-10=-494/866, 6-10=-298/322, 5-12=-494/862, 4-12=-298/322

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;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 431 lb uplift at joint 2 and 431 lb uplift at joint 8.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-9=-54, 12-13=-20, 10-12=-80(F=-60), 10-17=-20

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T04 | Common Girder | 1 | 2 | T21943151 |

Job Reference (optional)

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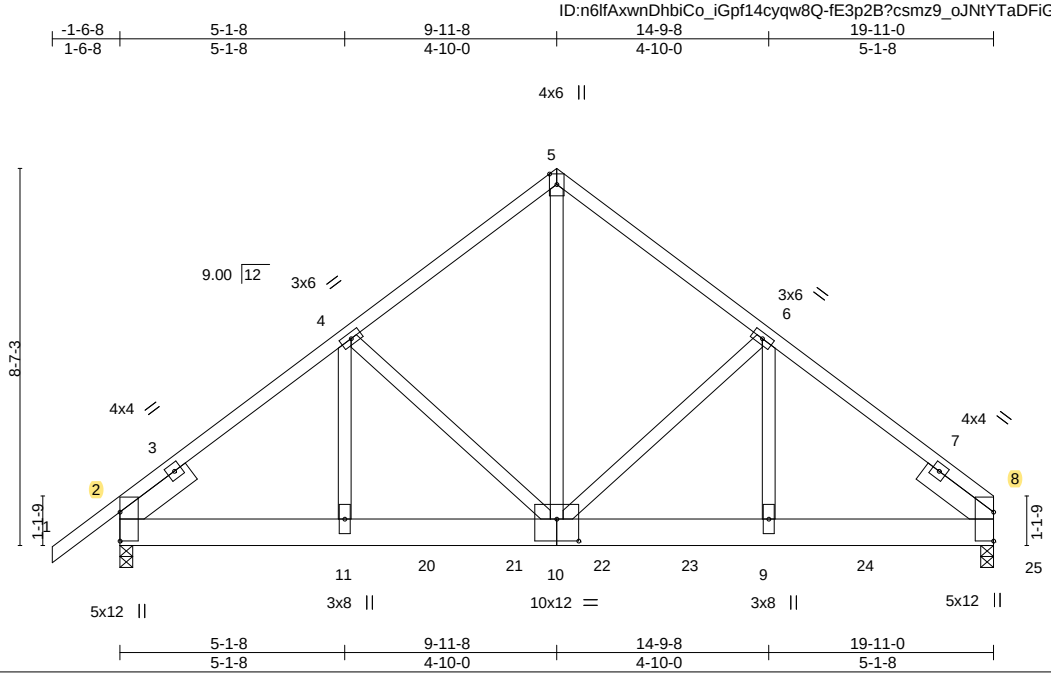


Plate Offsets (X,Y)-- [10:0-6-0,0-6-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.70 | Vert(LL) | 0.14 | 10-11 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.40 | Vert(CT) | -0.17 | 10-11 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.69 | Horz(CT) | 0.03 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 306 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
5-10: 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 8=0-3-8, 2=0-3-8
Max Horz 2=256(LC 7)
Max Uplift 8=-2587(LC 9), 2=-2302(LC 8)
Max Grav 8=5884(LC 1), 2=4095(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-5451/3173, 4-5=-4777/2605, 5-6=-4781/2607, 6-8=-6235/2893
BOT CHORD 2-11=-2551/4261, 10-11=-2551/4261, 9-10=-2214/4902, 8-9=-2214/4902
WEBS 5-10=-2930/5356, 6-10=-1551/561, 6-9=-424/1811, 4-10=-706/850, 4-11=-819/728

**NOTES-**
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
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 2587 lb uplift at joint 8 and 2302 lb uplift at joint 2.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2221 lb down and 1953 lb up at 7-0-4, 1057 lb down and 495 lb up at 9-0-4, 1024 lb down and 402 lb up at 11-0-4, 1035 lb down and 396 lb up at 13-0-4, 1035 lb down and 396 lb up at 15-0-4, and 1035 lb down and 396 lb up at 17-0-4, and 1080 lb down and 387 lb up at 19-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25


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**LOAD CASE(S)** Standard

Uniform Loads (plf)

Vert: 1-5=-54, 5-8=-54, 12-16=-20

Concentrated Loads (lb)

Vert: 9=-1024(F) 20=-2221(F) 21=-1024(F) 22=-1024(F) 23=-1024(F) 24=-1024(F) 25=-1080(F)

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T05G | Monopitch Supported Gable | 2 | 1 | T21943152 |
| | | | | | Job Reference (optional) |

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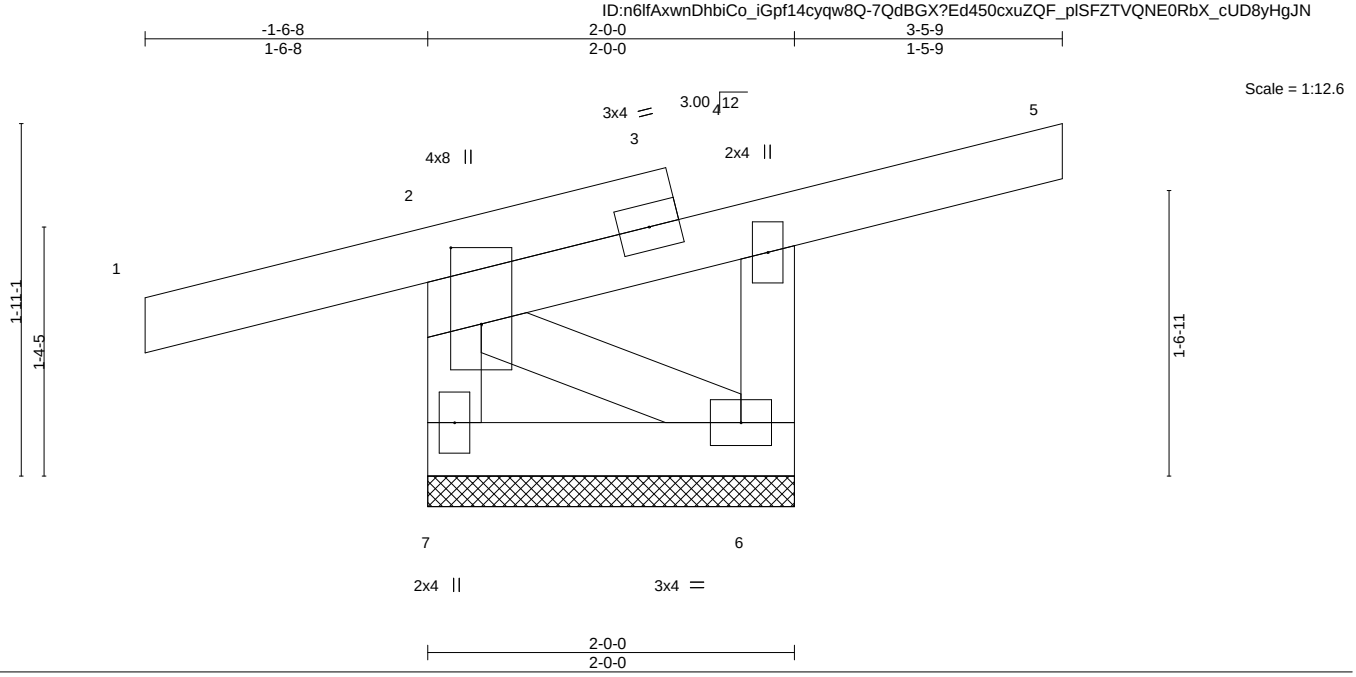



Plate Offsets (X,Y)-- [2:0-5-0,0-2-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.18 | Vert(LL) | 0.01 | 5 | n/r | 120 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.03 | Vert(CT) | 0.00 | 5 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.03 | Horz(CT) | -0.00 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-P | | | | | | | Weight: 17 lb | FT = 20% |

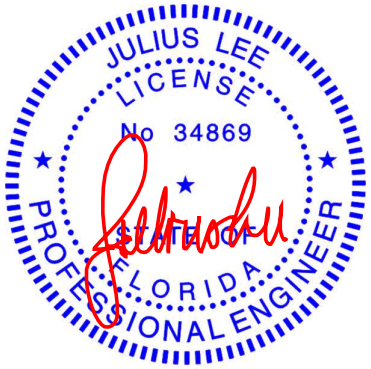
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 7=2-0-0, 6=2-0-0
Max Horz 7=59(LC 9)
Max Uplift 7=-121(LC 8), 6=-125(LC 9)
Max Grav 7=159(LC 1), 6=146(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left 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. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Gable requires continuous bottom chord bearing.
4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 7 and 125 lb uplift at joint 6.

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943153 |
|---|---|---|---|---|---|
| 2544205 | T06G | Common Supported Gable | 1 | 1 | Job Reference (optional) |

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-1-6-8 / 1-6-8 | 5-2-8 / 5-2-8 | 10-5-0 / 5-2-8 | 11-11-8 / 1-6-8

Scale = 1:28.9

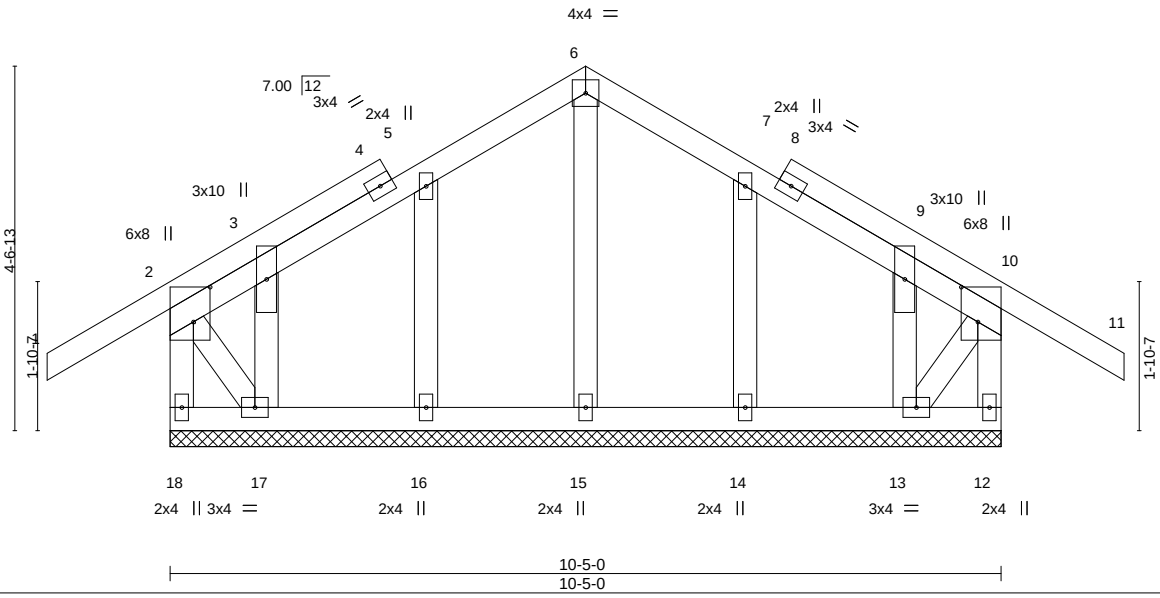



Plate Offsets (X,Y)-- [2:0-5-4,0-2-8], [10:0-5-4,0-2-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.19 | Vert(LL) | -0.01 | 11 | n/r | 120 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.03 | Vert(CT) | -0.01 | 11 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.05 | Horz(CT) | 0.00 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-S | | | | | | | Weight: 75 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-**

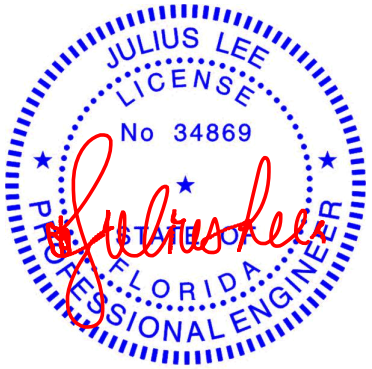
| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing. |

**REACTIONS.** All bearings 10-5-0.
(lb) - Max Horz 18=-179(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 12 except 18=-119(LC 8), 16=-108(LC 12), 17=-139(LC 9), 14=-108(LC 13), 13=-109(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 18, 12, 15, 16, 17, 14, 13

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 18=119, 16=108, 17=139, 14=108, 13=109.

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T07 | HALF HIP GIRDER | 1 | 2 | T21943154 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:47 2020 Page 1
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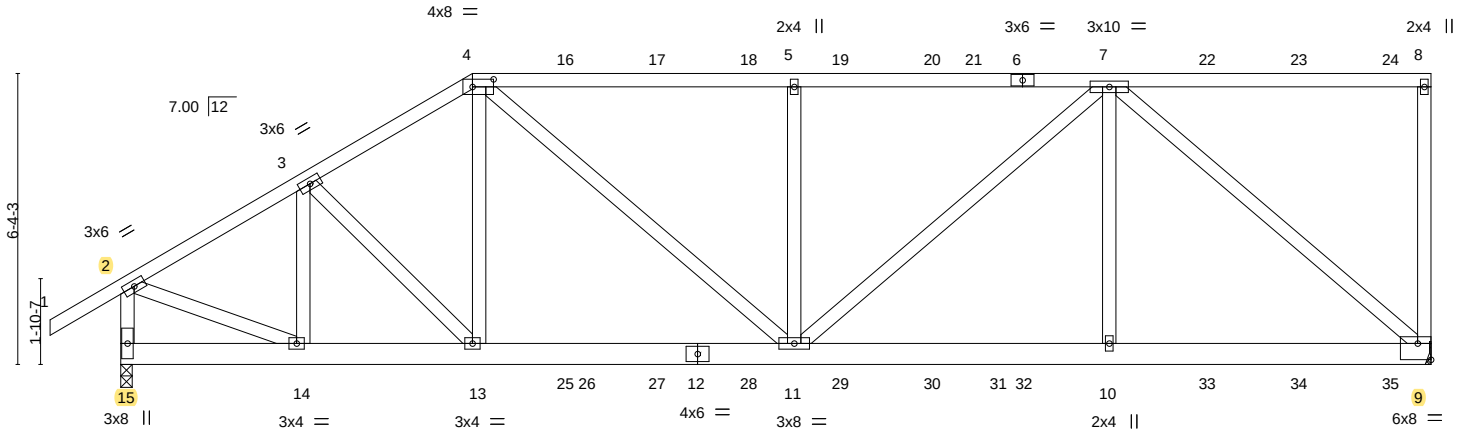
-1-6-8 | 3-11-13 | 7-8-1 | 14-8-5 | 21-6-12 | 28-7-0
1-6-8 | 3-11-13 | 3-8-5 | 7-0-4 | 6-10-8 | 7-0-4

Scale = 1:50.3




3-11-13 | 7-8-1 | 14-8-5 | 21-6-12 | 28-7-0
3-11-13 | 3-8-5 | 7-0-4 | 6-10-8 | 7-0-4

Plate Offsets (X,Y)-- [4:0-5-8,0-2-0], [9:Edge,0-4-4]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.46 | Vert(LL) | 0.12 | 11-13 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.36 | Vert(CT) | -0.11 | 11-13 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.93 | Horz(CT) | -0.03 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 412 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 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.** (size) 9=Mechanical, 15=0-3-0
Max Horz 15=230(LC 27)
Max Uplift 9=-1931(LC 5), 15=-1521(LC 8)
Max Grav 9=2338(LC 35), 15=2075(LC 33)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2182/1652, 3-4=-2615/2103, 4-5=-2834/2353, 5-7=-2834/2353, 2-15=-1998/1498
BOT CHORD 14-15=-280/153, 13-14=-1575/1884, 11-13=-1875/2250, 10-11=-1752/2152, 9-10=-1752/2152
WEBS 3-14=-771/651, 3-13=-654/648, 4-13=-392/572, 4-11=-790/887, 5-11=-501/474, 7-11=-838/904, 7-10=-528/892, 7-9=-2819/2289, 2-14=-1397/1885

**NOTES-**
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=1931, 15=1521.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 95 lb down and 87 lb up at 9-8-13, 95 lb down and 87 lb up at 11-8-13, 95 lb down and 87 lb up at 13-8-13, 95 lb down and 87 lb up at 15-8-13, 95 lb down and 80 lb up at 17-8-13, 95 lb down and 87 lb up at 19-8-13, 95 lb down and 87 lb up at 21-8-13, 95 lb down and 87 lb up at 23-8-13, and 95 lb down and 87 lb up at 25-8-13, and 89 lb down and 89 lb up at 27-8-13 on top chord, and 462 lb down and 500 lb up at 7-8-1, 164 lb down and 167 lb up at 9-8-13, 164 lb down and 167 lb up at 11-8-13, 164 lb down and 167 lb up at 13-8-13, 164 lb down and 167 lb up at 15-8-13, 164 lb down and 167 lb up at 17-8-13, 164 lb down and 167 lb up at 19-8-13, 164 lb down and 167 lb up at 21-8-13, 164 lb down and 167 lb up at 23-8-13, and 164 lb down and 167 lb up at 25-8-13, and 167 lb down and 164 lb up at 27-8-13 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2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**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-54, 2-4=-54, 4-8=-54, 9-15=-20
   Concentrated Loads (lb)
   Vert: 6=-29(B) 13=-391(B) 10=-136(B) 7=-29(B) 16=-29(B) 17=-29(B) 18=-29(B) 19=-29(B) 20=-29(B) 22=-29(B) 23=-29(B) 24=-37(B) 25=-136(B) 27=-136(B) 28=-136(B) 29=-136(B) 30=-136(B) 32=-136(B) 33=-136(B) 34=-136(B) 35=-139(B)

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943155 |
|---|---|---|---|---|---|
| 2544205 | T08 | Half Hip | 1 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:48 2020 Page 1
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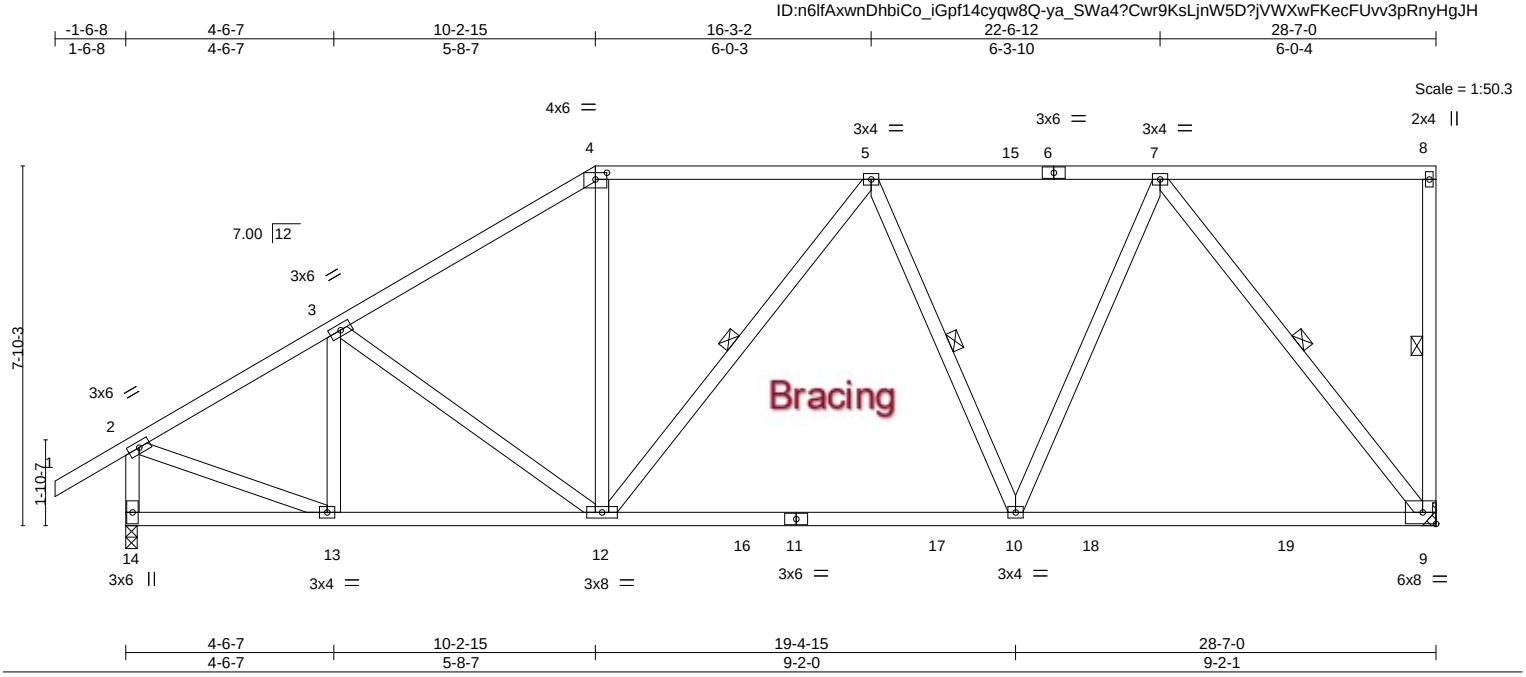



Plate Offsets (X,Y)-- [4:0-3-0,0-1-12]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.40 | Vert(LL) | -0.21 | 9-10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.96 | Vert(CT) | -0.38 | 9-10 | >897 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.52 | Horz(CT) | 0.03 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 188 lb | FT = 20% |

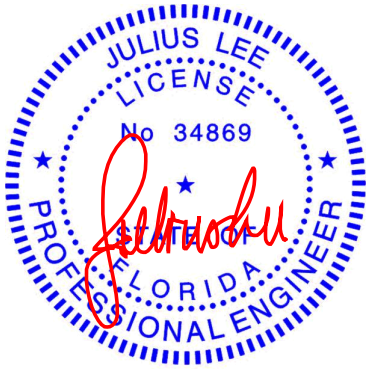
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-0-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 8-9, 5-12, 5-10, 7-9

**REACTIONS.** (size) 9=Mechanical, 14=0-3-0
Max Horz 14=301(LC 12)
Max Uplift 9=-475(LC 9), 14=-464(LC 12)
Max Grav 9=1077(LC 2), 14=1141(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1149/503, 3-4=-1144/543, 4-5=-921/531, 5-7=-914/439, 2-14=-1098/540
BOT CHORD 13-14=-341/297, 12-13=-647/967, 10-12=-542/991, 9-10=-361/678
WEBS 3-13=-256/155, 4-12=-55/322, 5-10=-300/295, 7-10=-228/612, 7-9=-1080/584, 2-13=-353/995

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=475, 14=464.

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943156 |
|---|---|---|---|---|---|
| 2544205 | T09 | Hip | 1 | 1 | Job Reference (optional) |

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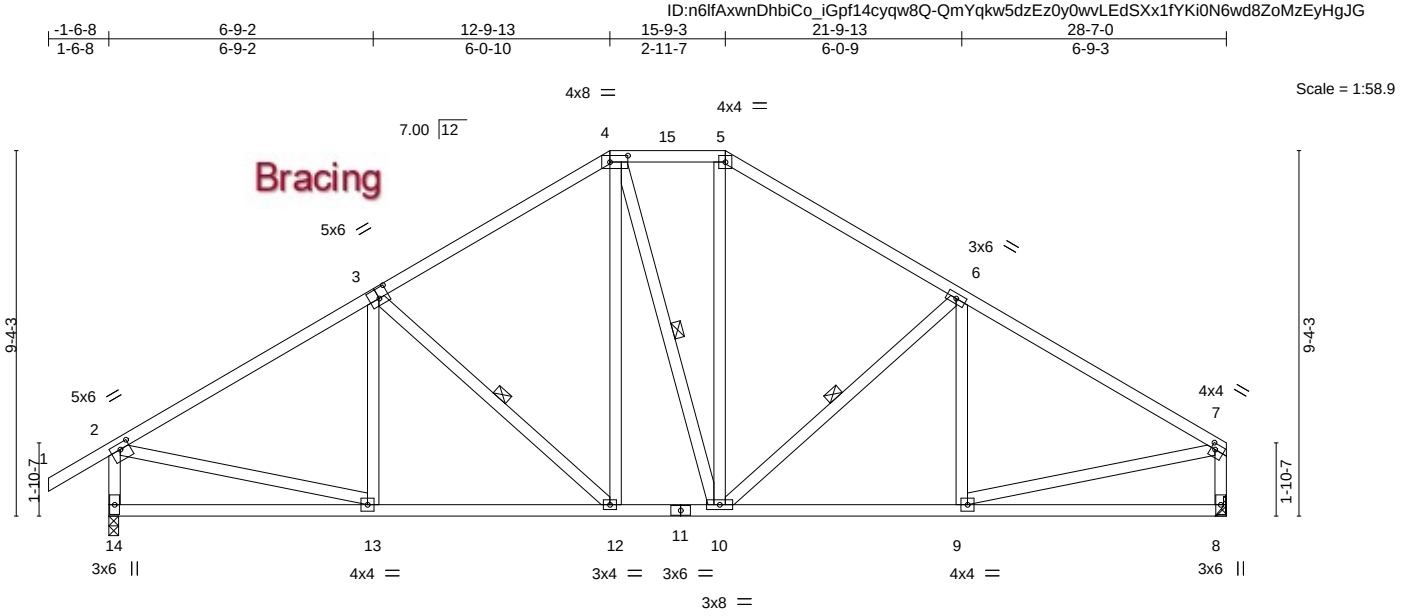



Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [3:0-3-0,0-3-0], [4:0-5-8,0-2-0], [7:0-1-4,0-1-12]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.57 | Vert(LL) | -0.05 | 8-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.48 | Vert(CT) | -0.11 | 8-9 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.37 | Horz(CT) | 0.03 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 196 lb | FT = 20% |

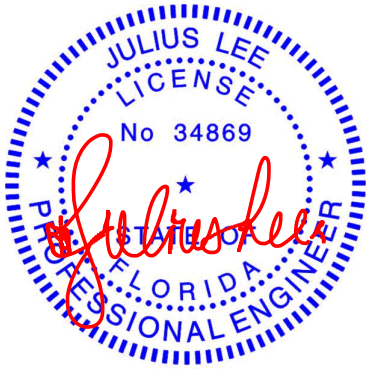
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-7-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-10-6 oc bracing.
WEBS 1 Row at midpt 3-12, 4-10, 6-10

**REACTIONS.** (size) 14=0-3-0, 8=Mechanical
Max Horz 14=-297(LC 10)
Max Uplift 14=-438(LC 12), 8=-382(LC 13)
Max Grav 14=1141(LC 1), 8=1044(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1249/569, 3-4=-1034/581, 4-5=-921/562, 5-6=-1039/582, 6-7=-1256/562, 2-14=-1079/573, 7-8=-982/469
BOT CHORD 13-14=-299/335, 12-13=-443/1023, 10-12=-241/815, 9-10=-394/1016
WEBS 3-12=-372/276, 4-12=-160/329, 5-10=-144/332, 6-10=-374/282, 2-13=-307/943, 7-9=-354/961

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=438, 8=382.

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6904 Parke East Blvd.
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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T10 | Common | 3 | 1 | T21943157 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:51 2020 Page 1
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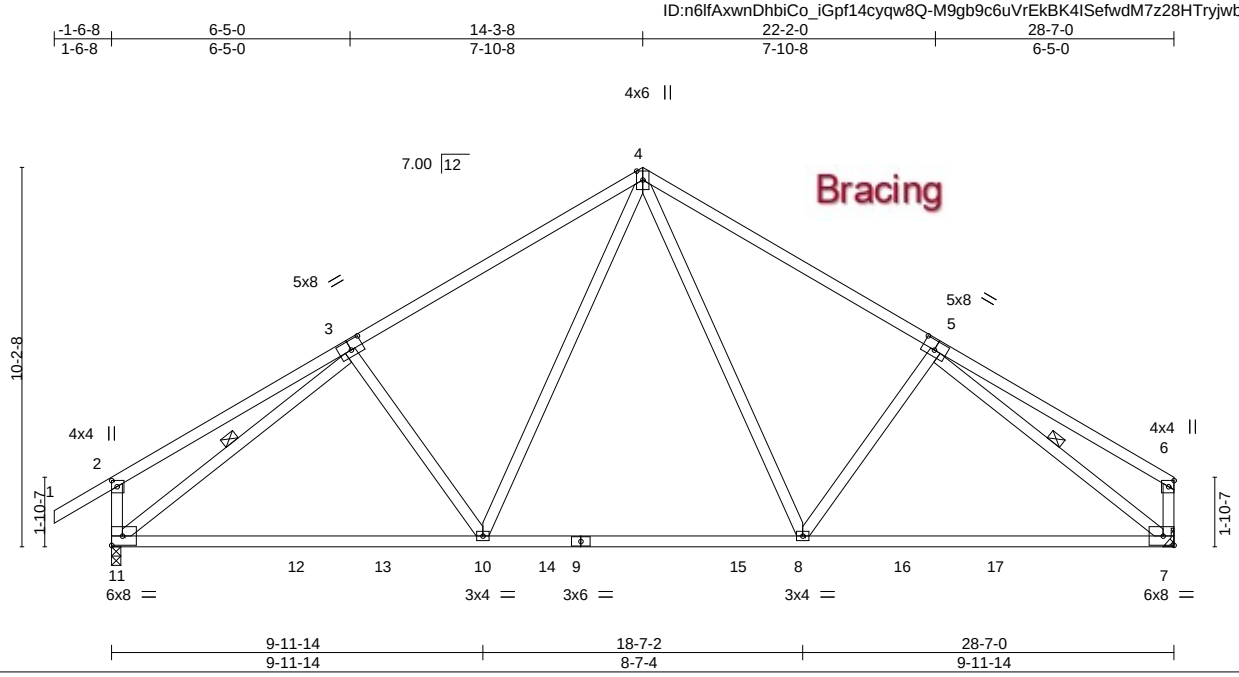



Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [3:0-4-0,0-3-0], [5:0-4-0,0-3-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.70 | Vert(LL) | -0.24 | 10-11 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.86 | Vert(CT) | -0.49 | 10-11 | >688 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.54 | Horz(CT) | 0.04 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 172 lb | FT = 20% |

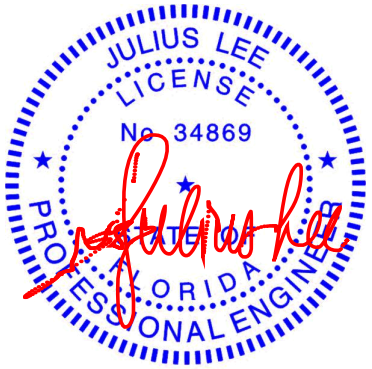
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-10 oc bracing.
WEBS 1 Row at midpt 3-11, 5-7

**REACTIONS.** (size) 11=0-3-0, 7=Mechanical
Max Horz 11=-323(LC 10)
Max Uplift 11=-432(LC 12), 7=-376(LC 13)
Max Grav 11=1206(LC 19), 7=1118(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-269/195, 3-4=-1255/638, 4-5=-1259/637, 2-11=-342/269
BOT CHORD 10-11=-489/1234, 8-10=-208/896, 7-8=-415/1048
WEBS 3-10=-259/332, 4-10=-235/543, 4-8=-239/554, 5-8=-262/337, 3-11=-1219/478, 5-7=-1220/514

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=432, 7=376.

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T11 | Roof Special | 1 | 1 | T21943158 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:52 2020 Page 1
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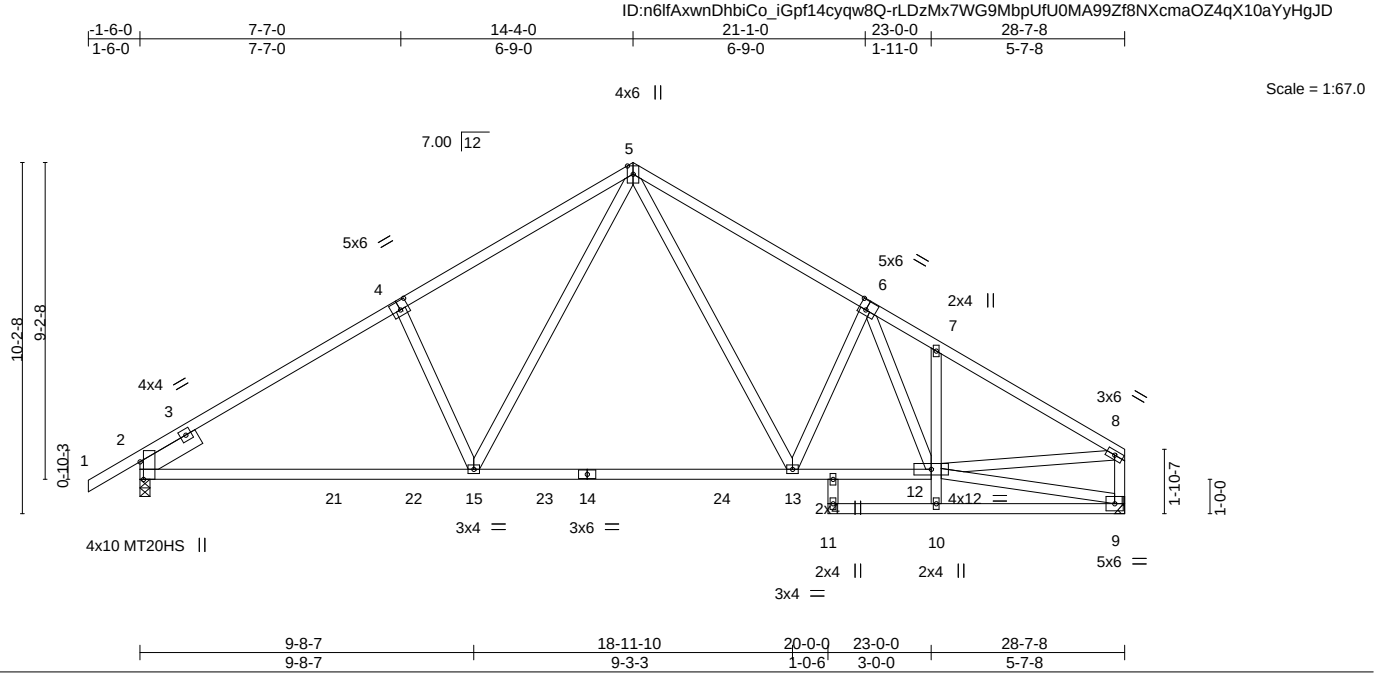


Plate Offsets (X,Y)-- [2:0-6-2,Edge], [4:0-3-0,0-3-0], [6:0-2-8,0-3-4]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.66 | Vert(LL) | -0.29 | 13-15 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.92 | Vert(CT) | -0.47 | 13-15 | >725 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.63 | Horz(CT) | 0.06 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 180 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
7-10: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-4-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 10-0-0 oc bracing: 10-12

**REACTIONS.** (size) 2=0-3-8, 9=Mechanical
Max Horz 2=278(LC 9)
Max Uplift 2=-431(LC 12), 9=-368(LC 13)
Max Grav 2=1209(LC 19), 9=1123(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1591/661, 4-5=-1495/725, 5-6=-1478/708, 6-7=-1559/676, 7-8=-1620/621, 8-9=-1087/451
BOT CHORD 2-15=-517/1480, 13-15=-216/985, 12-13=-428/1278, 10-12=0/253
WEBS 4-15=-401/370, 5-15=-323/743, 5-13=-295/711, 6-13=-436/334, 8-12=-423/1277

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=431, 9=368.


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Date:
November 19,2020




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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943159 |
|---|---|---|---|---|---|
| 2544205 | T12 | Common | 3 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:41:53 2020 Page 1
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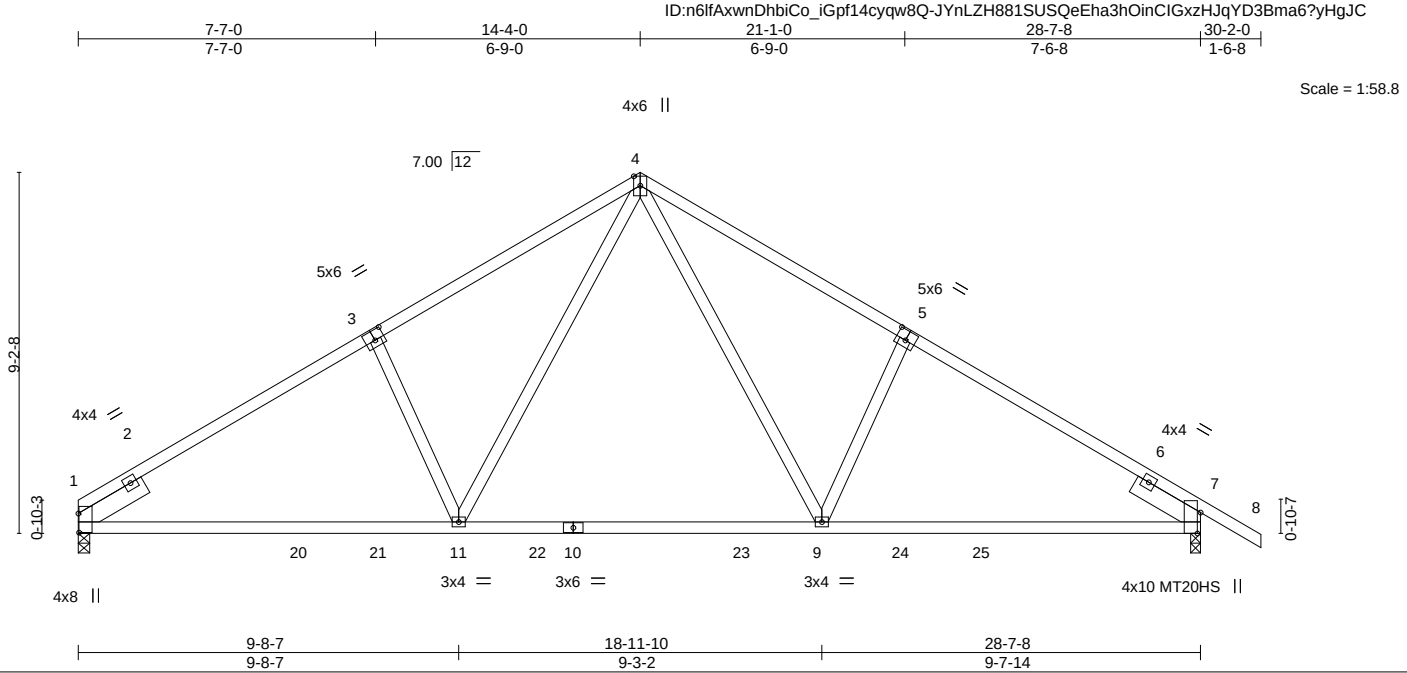



Plate Offsets (X,Y)-- [1:0-5-14,0-0-3], [3:0-3-0,0-3-0], [5:0-3-0,0-3-0], [7:0-6-7,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.72 | Vert(LL) | -0.32 | 9-11 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.84 | Vert(CT) | -0.47 | 9-11 | >731 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.65 | Horz(CT) | 0.07 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 148 lb | FT = 20% |

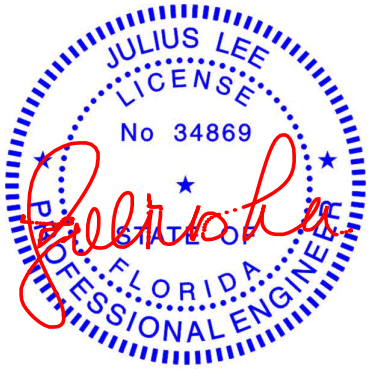
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-0-10 oc bracing.

**REACTIONS.** (size) 1=0-3-8, 7=0-3-0
Max Horz 1=-279(LC 10)
Max Uplift 1=-386(LC 12), 7=-438(LC 13)
Max Grav 1=1126(LC 19), 7=1210(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1598/677, 3-4=-1502/741, 4-5=-1488/735, 5-7=-1584/671
BOT CHORD 1-11=-512/1502, 9-11=-206/1006, 7-9=-424/1281
WEBS 3-11=-402/373, 4-11=-332/743, 4-9=-322/724, 5-9=-399/367

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=386, 7=438.

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November 19,2020



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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943160 |
|---|---|---|---|---|---|
| 2544205 | T13 | Piggyback Base | 1 | 1 | Job Reference (optional) |

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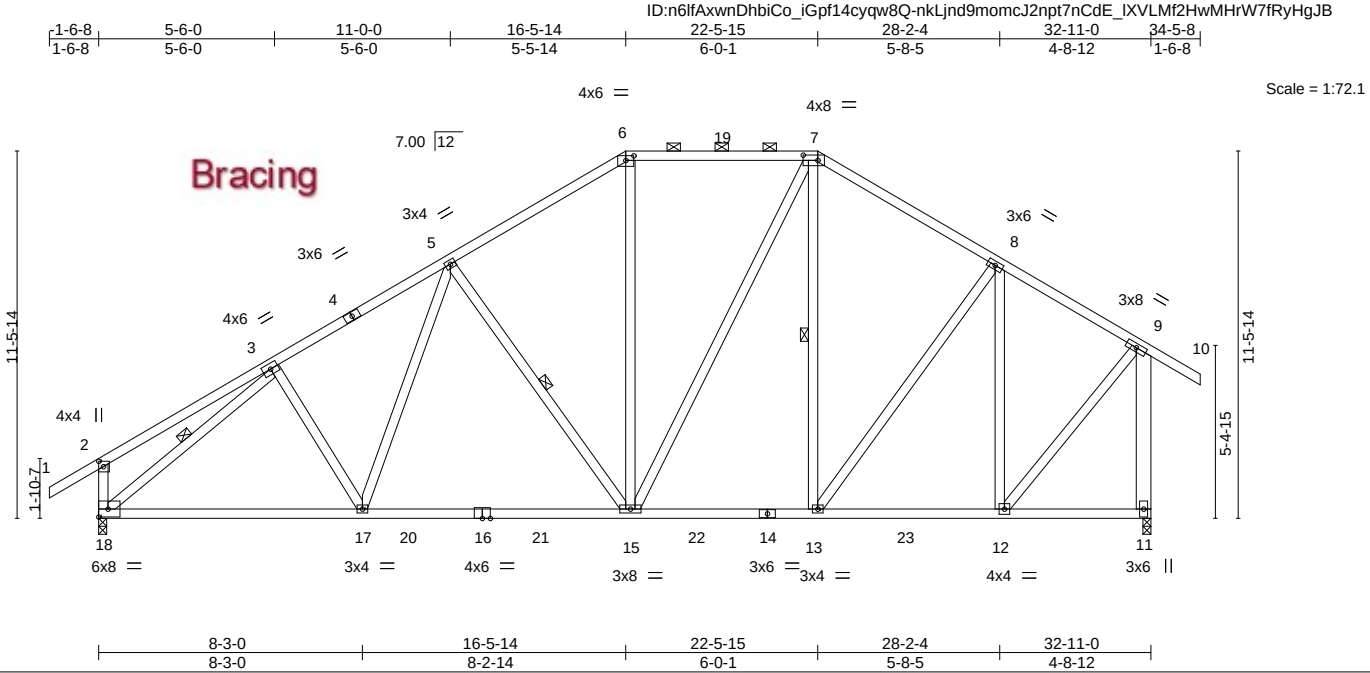



Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [6:0-3-0,0-1-12], [7:0-5-8,0-2-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.49 | Vert(LL) | -0.19 | 15-17 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.70 | Vert(CT) | -0.31 | 15-17 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.70 | Horz(CT) | 0.04 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 253 lb | FT = 20% |

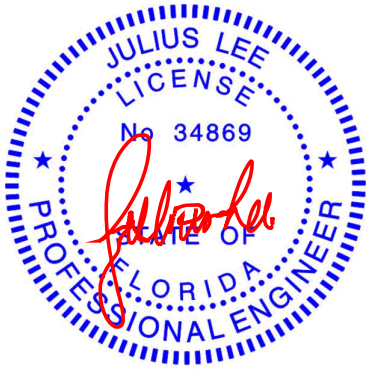
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-15: 2x4 SP No.2, 9-11: 2x6 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-8-15 oc purlins, except end verticals, and 2-0-0 oc purlins (5-4-3 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 7-2-9 oc bracing.
WEBS 1 Row at midpt 5-15, 7-13, 3-18

**REACTIONS.** (size) 18=0-3-0, 11=0-3-0
Max Horz 18=462(LC 11)
Max Uplift 18=-520(LC 12), 11=-478(LC 13)
Max Grav 18=1301(LC 19), 11=1305(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-5=-1444/725, 5-6=-1129/679, 6-7=-993/645, 7-8=-991/620, 8-9=-788/468, 2-18=-325/271, 9-11=-1276/664
BOT CHORD 17-18=-666/1382, 15-17=-565/1296, 13-15=-319/831, 12-13=-300/666
WEBS 5-17=-95/269, 5-15=-506/357, 6-15=-122/354, 7-15=-208/386, 8-13=-192/314, 8-12=-590/333, 3-18=-1443/568, 9-12=-390/971

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=520, 11=478.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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November 19,2020



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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943161 |
|---|---|---|---|---|---|
| 2544205 | T13G | GABLE I I | 1 | 1 | Job Reference (optional) |

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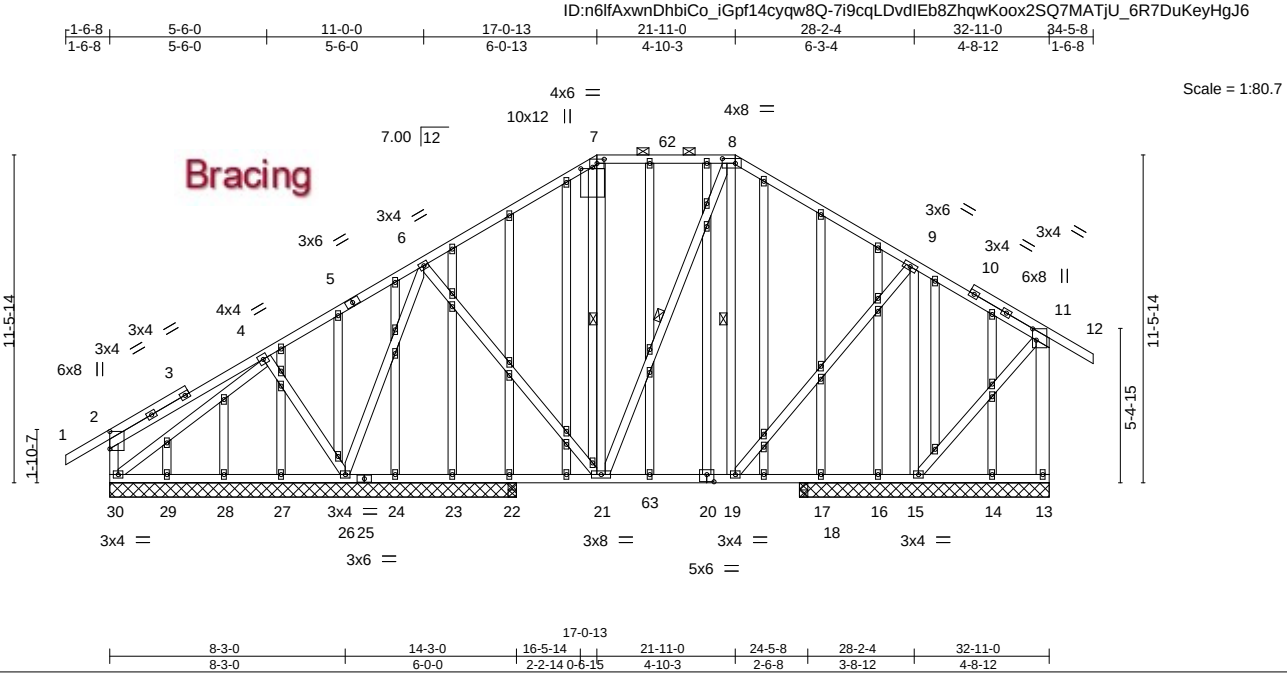



Plate Offsets (X,Y)-- [2:0-7-4,0-0-0], [7:0-0-10,0-5-0], [7:0-3-0,0-1-12], [8:0-5-8,0-2-0], [11:0-4-12,0-1-8], [20:0-3-0,0-3-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.37 | Vert(LL) | -0.03 | 19-21 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.21 | Vert(CT) | -0.04 | 19-21 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.91 | Horz(CT) | -0.01 | 13 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 436 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* 8-21: 2x4 SP No.2, 11-13: 2x6 SP No.2 |
| OTHERS | 2x4 SP No.3 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-8. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-15,13-14. |
| WEBS | 1 Row at midpt 7-21, 8-21, 8-19 |

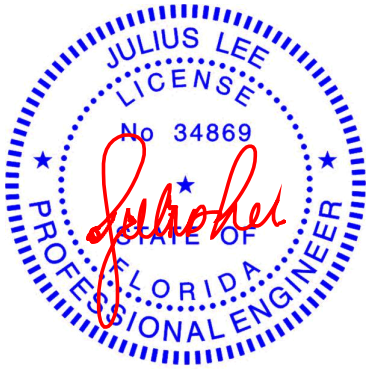
**REACTIONS.** All bearings 14-3-0 except (jt=length) 15=8-9-0, 13=8-9-0, 14=8-9-0, 16=8-9-0, 17=8-9-0, 18=0-3-8.
(lb) - Max Horz 30=454(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 17, 18 except 26=-559(LC 12), 15=-381(LC 13), 30=-122(LC 12), 13=-115(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 14, 16, 17, 29, 28, 27, 24, 23, 22, 22, 18 except 26=921(LC 19), 15=642(LC 1), 30=322(LC 23), 13=337(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 6-7=-479/397, 7-8=-452/405, 8-9=-455/380, 2-30=-273/263, 11-13=-325/188 |
| BOT CHORD | 29-30=-259/247, 28-29=-259/247, 27-28=-259/247, 26-27=-259/247, 24-26=-225/306, 23-24=-225/306, 22-23=-225/306, 21-22=-225/306, 19-21=-171/321 |
| WEBS | 4-26=-332/287, 6-26=-710/406, 9-19=-133/336, 9-15=-688/422 |

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 18 except (jt=lb) 26=559, 15=381, 30=122, 13=115.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

November 19,2020



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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943162 |
|---|---|---|---|---|---|
| 2544205 | T14 | Piggyback Base | 2 | 1 | Job Reference (optional) |

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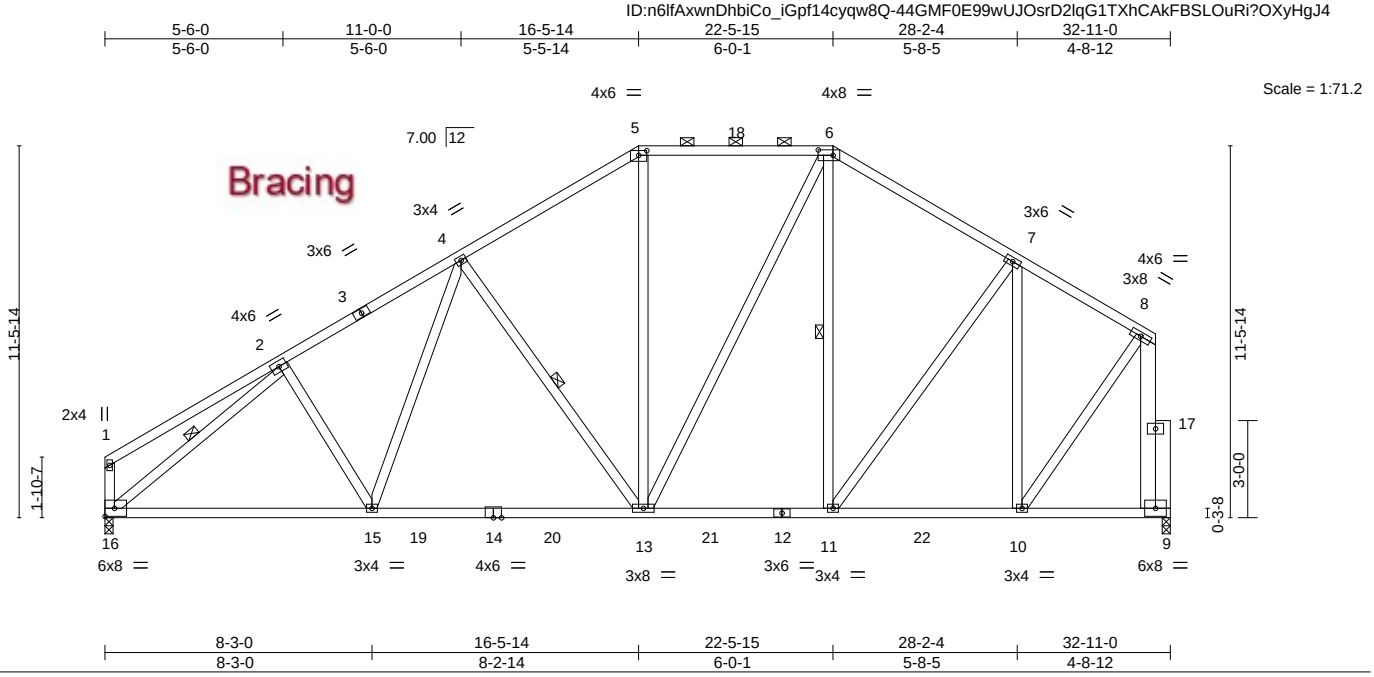



Plate Offsets (X,Y)-- [5:0-3-0,0-1-12], [6:0-5-8,0-2-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.65 | Vert(LL) | -0.19 | 13-15 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.71 | Vert(CT) | -0.31 | 13-15 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.66 | Horz(CT) | 0.05 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 254 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* 6-13: 2x4 SP No.2, 8-9: 2x6 SP No.2 |
| OTHERS | 2x6 SP No.2 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 4-8-10 oc purlins, except end verticals, and 2-0-0 oc purlins (5-3-8 max.): 5-6. |
| BOT CHORD | Rigid ceiling directly applied or 6-9-8 oc bracing. |
| WEBS | 1 Row at midpt 4-13, 6-11, 2-16 |

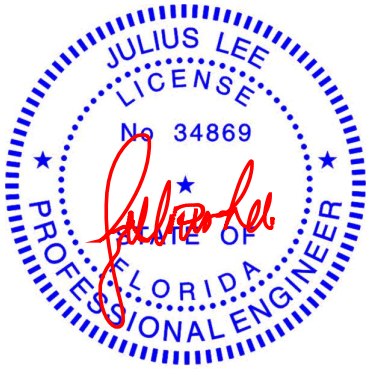
**REACTIONS.** (size) 16=0-3-0, 9=0-3-0
Max Horz 16=435(LC 9)
Max Uplift 16=-464(LC 12), 9=-392(LC 13)
Max Grav 16=1223(LC 19), 9=1203(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 2-4=-1472/728, 4-5=-1149/677, 5-6=-1001/644, 6-7=-1016/618, 7-8=-821/464, 8-9=-1178/548 |
| BOT CHORD | 15-16=-751/1394, 13-15=-645/1300, 11-13=-396/839, 10-11=-366/680 |
| WEBS | 4-15=-98/277, 4-13=-506/357, 5-13=-121/363, 6-13=-208/375, 7-11=-196/286, 7-10=-554/357, 2-16=-1471/623, 8-10=-400/876 |

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=464, 9=392.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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November 19,2020




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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943163 |
|---|---|---|---|---|---|
| 2544205 | T15 | Piggyback Base | 3 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:02 2020 Page 1
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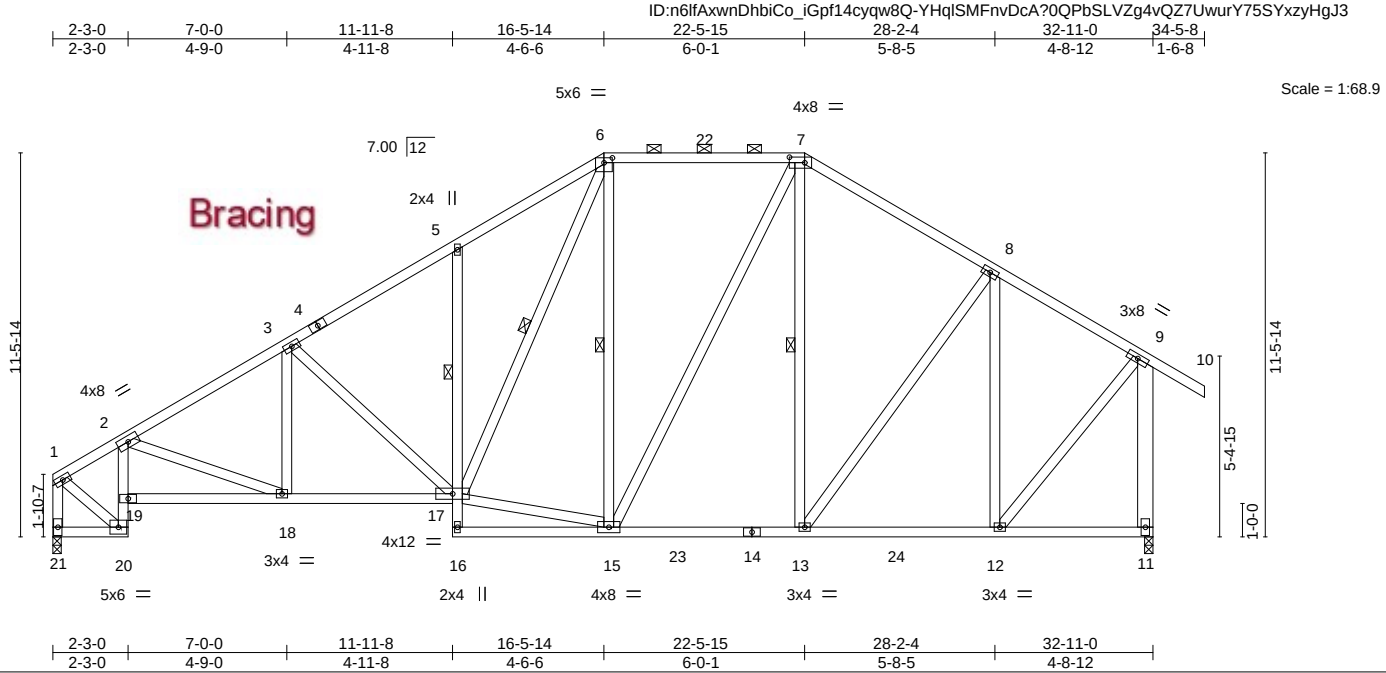



Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [7:0-5-8,0-2-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.50 | Vert(LL) | 0.11 | 5 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.51 | Vert(CT) | -0.17 | 17-18 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.71 | Horz(CT) | 0.14 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 272 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 *Except* 2-20: 2x4 SP M 31, 5-16: 2x4 SP No.3 |
| WEBS | 2x4 SP No.3 *Except* 7-15: 2x4 SP No.2, 9-11: 2x6 SP No.2 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 4-3-13 oc purlins, except end verticals, and 2-0-0 oc purlins (5-4-1 max.): 6-7. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 1 Row at midpt 5-17 |
| WEBS | 1 Row at midpt 6-17, 6-15, 7-13 |

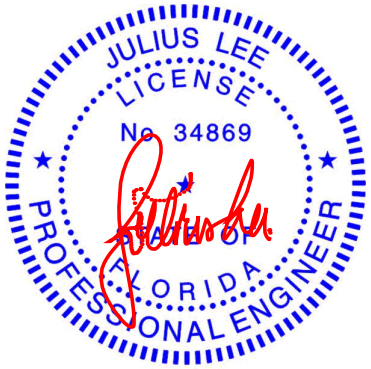
**REACTIONS.** (size) 21=0-3-0, 11=0-3-0
Max Horz 21=423(LC 11)
Max Uplift 21=-464(LC 12), 11=-477(LC 13)
Max Grav 21=1201(LC 1), 11=1302(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-2=-1009/450, 2-3=-1729/806, 3-5=-1465/751, 5-6=-1501/895, 6-7=-990/646, 7-8=-980/620, 8-9=-777/469, 1-21=-1277/576, 9-11=-1264/663 |
| BOT CHORD | 20-21=-414/353, 19-20=-552/269, 2-19=-530/288, 18-19=-828/1571, 17-18=-776/1605, 5-17=-323/278, 13-15=-318/794, 12-13=-300/665 |
| WEBS | 2-18=-165/308, 3-17=-434/272, 15-17=-357/910, 6-17=-519/945, 6-15=-349/272, 7-15=-208/332, 8-13=-191/306, 8-12=-594/331, 1-20=-455/1038, 9-12=-389/932 |

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x6 MT20 unless otherwise indicated.
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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=464, 11=477.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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6904 Parke East Blvd. Tampa FL 33610
Date:

November 19,2020



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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943164 |
|---|---|---|---|---|---|
| 2544205 | T16 | Piggyback Base | 1 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:04 2020 Page 1
ID:n6lfAxwnDhbiCo_iGpf14cyqw8Q-UfyVt2G1RrsuFKaojtOze59CpNouOp2raPxf?syHgJ1

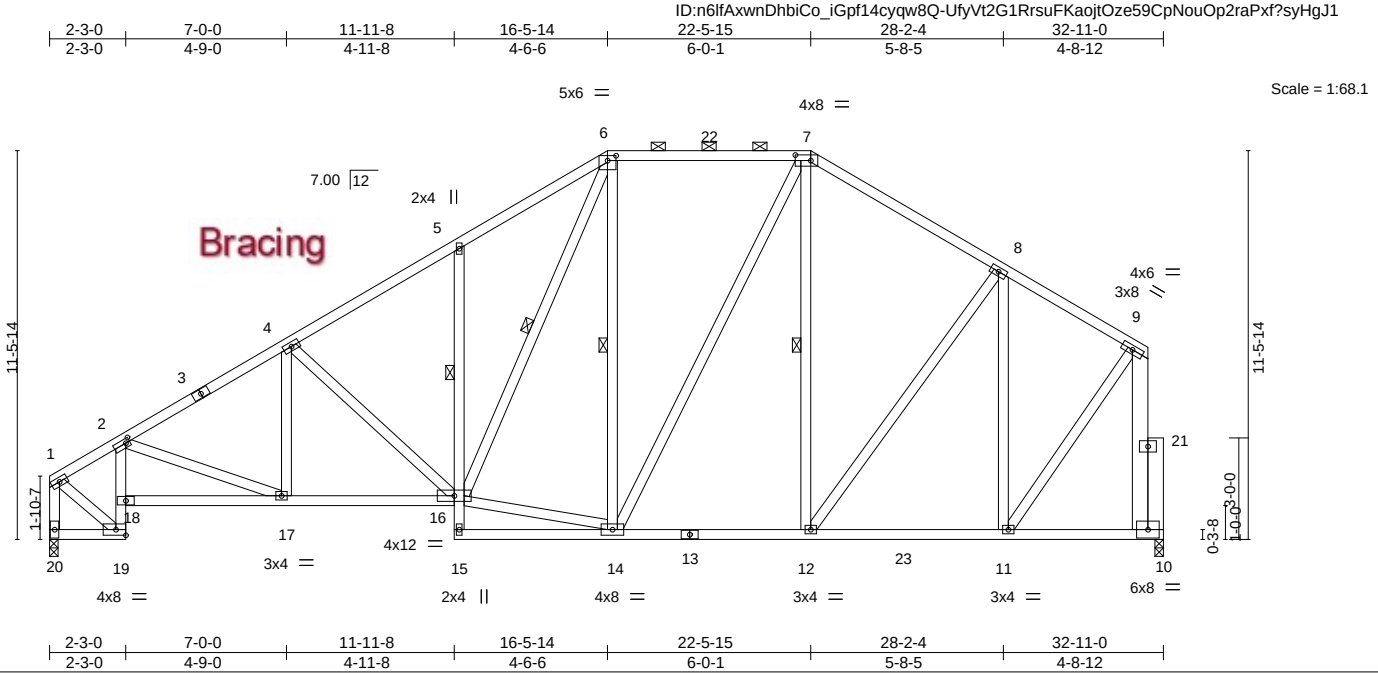



Plate Offsets (X,Y)-- [2:0-1-8,0-1-8], [6:0-3-0,0-1-12], [7:0-5-8,0-2-0]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.63 | Vert(LL) | 0.12 | 5 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.52 | Vert(CT) | -0.17 | 16-17 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.66 | Horz(CT) | 0.14 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 276 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 *Except* 2-19: 2x4 SP M 31, 5-15: 2x4 SP No.3 |
| WEBS | 2x4 SP No.3 *Except* 7-14: 2x4 SP No.2, 9-10: 2x6 SP No.2 |
| OTHERS | 2x6 SP No.2 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 4-3-9 oc purlins, except end verticals, and 2-0-0 oc purlins (5-3-8 max.): 6-7. |
| BOT CHORD | Rigid ceiling directly applied or 5-11-5 oc bracing. Except: 1 Row at midpt 5-16 |
| WEBS | 1 Row at midpt 6-16, 6-14, 7-12 |

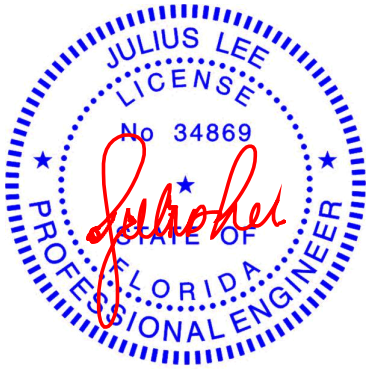
**REACTIONS.** (size) 20=0-3-0, 10=0-3-0
Max Horz 20=416(LC 11)
Max Uplift 20=-464(LC 12), 10=-391(LC 13)
Max Grav 20=1212(LC 1), 10=1176(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-2=-1018/452, 2-4=-1747/818, 4-5=-1485/753, 5-6=-1515/898, 6-7=-997/644, 7-8=-991/618, 8-9=-795/465, 1-20=-1289/581, 9-10=-1143/547 |
| BOT CHORD | 19-20=-407/331, 18-19=-557/263, 2-18=-535/283, 17-18=-955/1557, 16-17=-876/1597, 5-16=-323/278, 12-14=-394/796, 11-12=-366/678 |
| WEBS | 2-17=-158/310, 4-16=-431/275, 14-16=-435/905, 6-16=-540/943, 6-14=-345/277, 7-14=-208/325, 8-12=-195/288, 8-11=-556/355, 1-19=-455/1047, 9-11=-399/835 |

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x6 MT20 unless otherwise indicated.
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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=464, 10=391.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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November 19,2020




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Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943165 |
|---|---|---|---|---|---|
| 2544205 | T17 | Piggyback Base | 1 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:05 2020 Page 1
ID:n6lfAxwnDhbiCo_iGpf14cyqw8Q-yrWt5OHgC8_ltU9_HbvCBJiKCn5I7Jl_p3gCXIyHgJ0

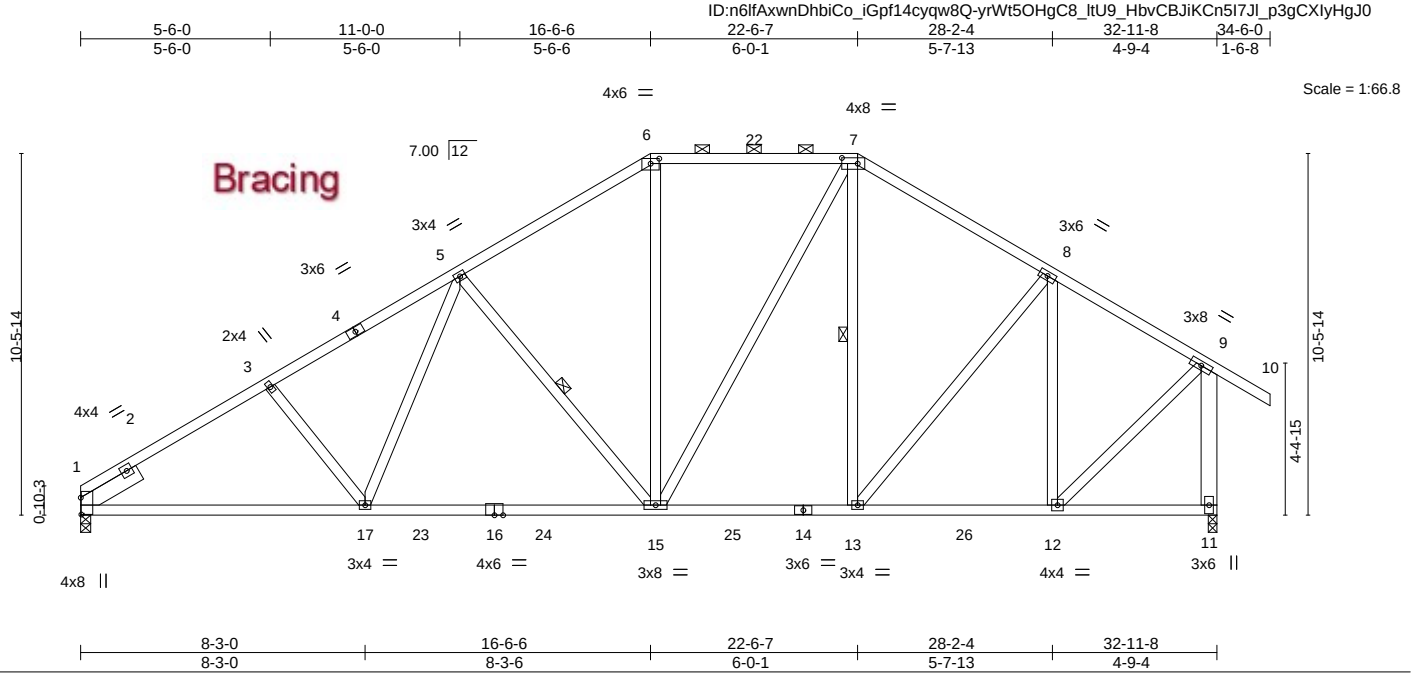



Plate Offsets (X,Y)-- [1:0-5-14,0-0-3], [6:0-3-0,0-1-12], [7:0-5-8,0-2-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.78 | Vert(LL) | -0.22 | 15-17 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.76 | Vert(CT) | -0.38 | 15-17 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.50 | Horz(CT) | 0.05 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 229 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* 7-15: 2x4 SP No.2, 9-11: 2x6 SP No.2 |
| SLIDER | Left 2x6 SP No.2 1-11-8 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 2-5-14 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-6 max.): 6-7. |
| BOT CHORD | Rigid ceiling directly applied or 6-8-1 oc bracing. |
| WEBS | 1 Row at midpt 5-15, 7-13 |

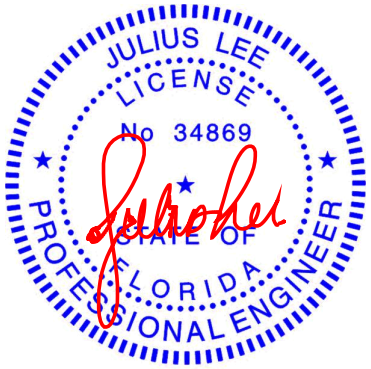
**REACTIONS.** (size) 1=0-3-8, 11=0-3-0
Max Horz 1=390(LC 11)
Max Uplift 1=-472(LC 12), 11=-478(LC 13)
Max Grav 1=1212(LC 19), 11=1309(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-3=-1798/824, 3-5=-1674/822, 5-6=-1230/707, 6-7=-1066/669, 7-8=-1071/638, 8-9=-884/493, 9-11=-1271/661 |
| BOT CHORD | 1-17=-777/1706, 15-17=-612/1454, 13-15=-324/887, 12-13=-319/736 |
| WEBS | 5-17=-134/385, 5-15=-596/391, 6-15=-137/398, 7-15=-211/391, 8-13=-178/273, 8-12=-540/303, 9-12=-391/984 |

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=472, 11=478.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

November 19,2020



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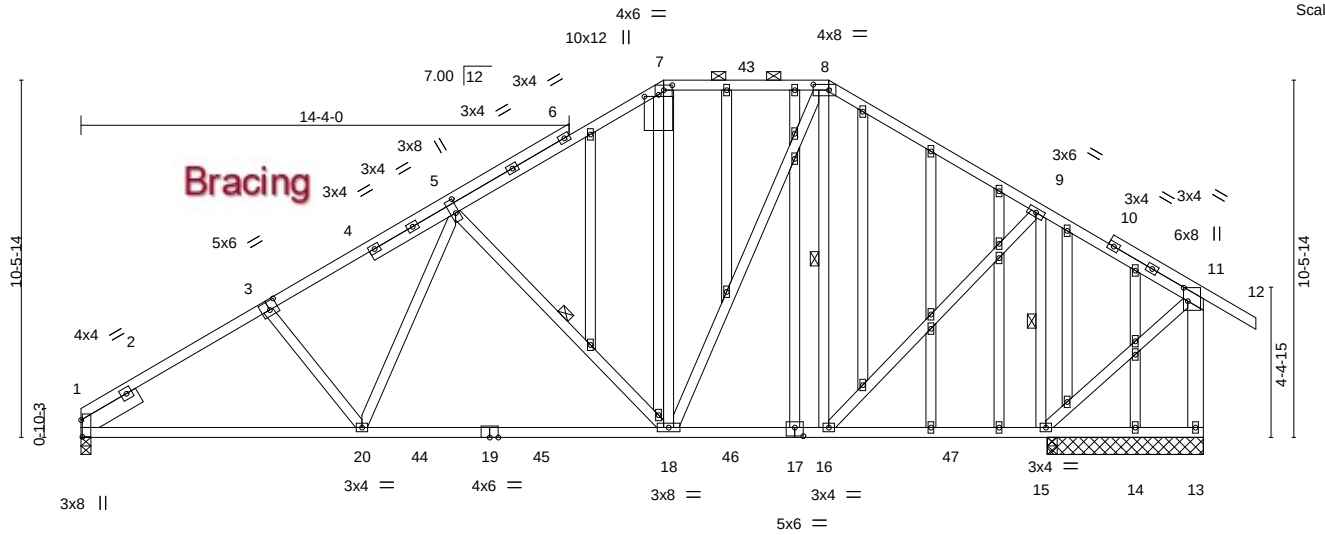
| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943166 |
|---|---|---|---|---|---|
| 2544205 | T17G | GABLE | 1 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:07 2020 Page 1
ID:n6lfAxwnDhbiCo_iGpf14cyqw8Q-uEdeV4JwkmFT6nINO?xgGknkWan2bAiHHM9JcByHgJ_

| 5-6-0 | 11-0-0 | 17-1-5 | 21-11-8 | 28-2-4 | 32-11-8 | 34-6-0 |
|---|---|---|---|---|---|---|
| 5-6-0 | 5-6-0 | 6-1-5 | 4-10-3 | 6-2-12 | 4-9-4 | 1-6-8 |

Scale = 1:67.7




| 8-3-0 | 17-1-5 | 21-11-8 | 28-2-4 | 28-8-0 | 32-11-8 |
|---|---|---|---|---|---|
| 8-3-0 | 8-10-5 | 4-10-3 | 6-2-12 | 0-5-12 | 4-3-8 |

Plate Offsets (X,Y)-- [1:0-5-14,0-0-7], [3:0-3-0,0-3-0], [5:0-5-0,0-1-4], [7:0-0-10,0-5-0], [7:0-3-0,0-1-12], [8:0-5-8,0-2-0], [11:0-4-12,0-1-8], [17:0-3-0,0-3-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.54 | Vert(LL) | -0.21 | 18-20 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.75 | Vert(CT) | -0.38 | 18-20 | >885 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.67 | Horz(CT) | 0.03 | 15 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 339 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* 11-13: 2x6 SP No.2 |
| OTHERS | 2x4 SP No.3 |
| SLIDER | Left 2x6 SP No.2 1-11-8 |

**BRACING-**

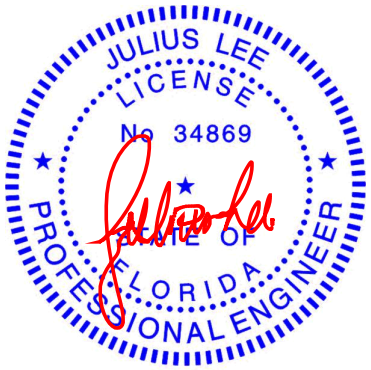
| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 4-0-1 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-8. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS | 1 Row at midpt 5-18, 8-16, 9-15 |

**REACTIONS.** All bearings 4-7-0 except (jt=length) 1=0-3-8.
(lb) - Max Horz 1=386(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 14 except 1=-401(LC 12), 15=-529(LC 13), 13=-207(LC 25)
Max Grav All reactions 250 lb or less at joint(s) 13, 14 except 1=1004(LC 19), 15=1597(LC 2), 15=1521(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-3=-1431/653, 3-5=-1313/657, 5-7=-812/513, 7-8=-745/507, 8-9=-595/415, 9-11=-82/315 |
| BOT CHORD | 1-20=-620/1391, 18-20=-477/1159, 16-18=-178/452, 15-16=-282/210 |
| WEBS | 5-20=-115/388, 5-18=-656/423, 8-18=-280/631, 8-16=-505/241, 9-16=-296/892, 9-15=-1253/652, 11-15=-279/173 |

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 1=401, 15=529, 13=207.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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November 19,2020



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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943167 |
|---|---|---|---|---|---|
| 2544205 | T18 | Piggyback Base | 1 | 1 | Job Reference (optional) |

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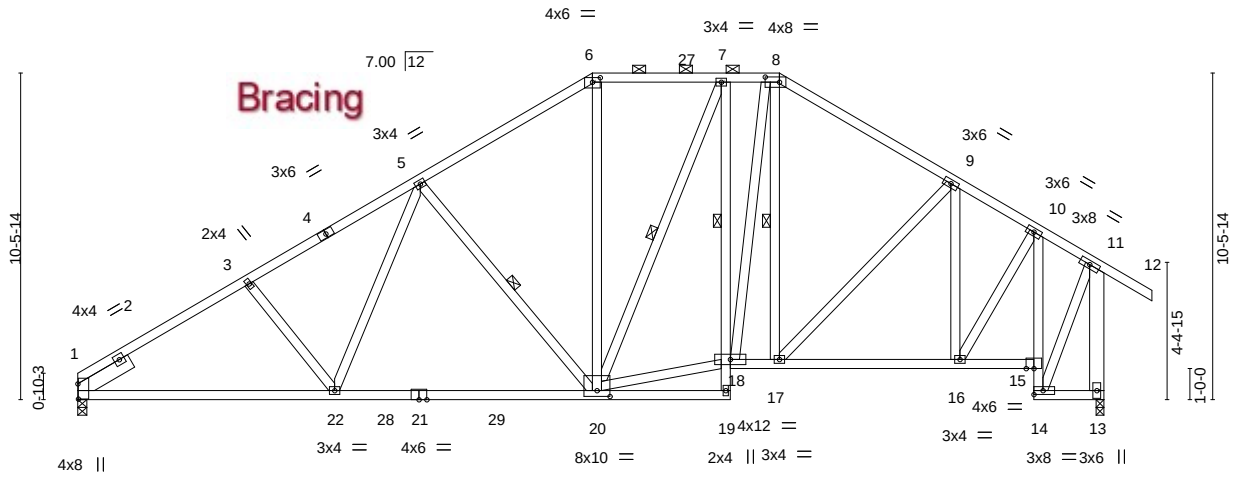
ID:n6lfAxwnDhbiCo_iGpf14cyqw8Q-rdlOwmKAGNVBL5SlWQz8L9s15OQB37takgeQf3yHgly

| 5-6-0 | 11-0-0 | 16-6-6 | 20-11-8 | 22-6-7 | 28-2-4 | 30-8-8 | 32-11-8 | 34-6-0 |
|---|---|---|---|---|---|---|---|---|
| 5-6-0 | 5-6-0 | 5-6-6 | 4-5-2 | 1-6-15 | 5-7-13 | 2-6-4 | 2-3-0 | 1-6-8 |

Scale = 1:74.0




| 8-3-0 | 16-6-6 | 20-11-8 | 22-6-7 | 28-2-4 | 30-8-8 | 32-11-8 |
|---|---|---|---|---|---|---|
| 8-3-0 | 8-3-6 | 4-5-2 | 1-6-15 | 5-7-13 | 2-6-4 | 2-3-0 |

Plate Offsets (X,Y)-- [1:0-5-14,0-0-3], [6:0-3-0,0-1-12], [8:0-5-8,0-2-0], [20:0-5-0,0-2-4]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.72 | Vert(LL) | -0.22 | 20-22 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.89 | Vert(CT) | -0.39 | 20-22 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.43 | Horz(CT) | 0.12 | 13 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 270 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 *Except* 7-19,10-14: 2x4 SP No.3 |
| WEBS | 2x4 SP No.3 *Except* 11-13: 2x6 SP No.2 |
| SLIDER | Left 2x6 SP No.2 1-11-8 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 2-10-9 oc purlins, except end verticals, and 2-0-0 oc purlins (5-8-0 max.): 6-8. |
| BOT CHORD | Rigid ceiling directly applied or 4-0-8 oc bracing. Except: 1 Row at midpt 7-18 |
| WEBS | 1 Row at midpt 5-20, 7-20, 8-17 |

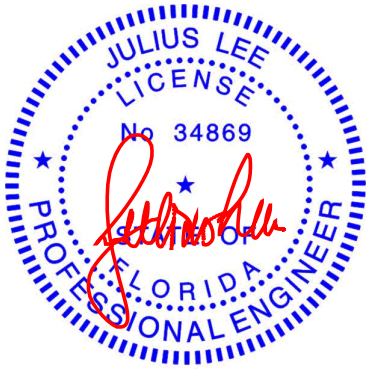
**REACTIONS.** (size) 1=0-3-8, 13=0-3-0
Max Horz 1=390(LC 11)
Max Uplift 1=-472(LC 12), 13=-478(LC 13)
Max Grav 1=1208(LC 1), 13=1309(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-3=-1794/824, 3-5=-1651/822, 5-6=-1221/707, 6-7=-1065/667, 7-8=-1038/655, 8-9=-1164/655, 9-10=-957/524, 10-11=-578/356, 11-13=-1362/692 |
| BOT CHORD | 1-22=-776/1631, 20-22=-612/1371, 17-18=-358/932, 16-17=-376/860, 15-16=-215/509, 14-15=-791/328, 10-15=-828/353 |
| WEBS | 5-22=-133/396, 5-20=-601/393, 6-20=-169/394, 18-20=-382/964, 8-18=-261/413, 9-16=-474/269, 10-16=-307/732, 11-14=-390/965 |

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=472, 13=478.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.




Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 19,2020




MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943168 |
|---|---|---|---|---|---|
| 2544205 | T19 | Piggyback Base | 2 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:11 2020 Page 1
ID:n6lfAxwnDhbiCo_iGpf14cyqw8Q-n?t8LRMQo_lubPc8dr0cQayQrC56XwxtB_7XkyyHgIw

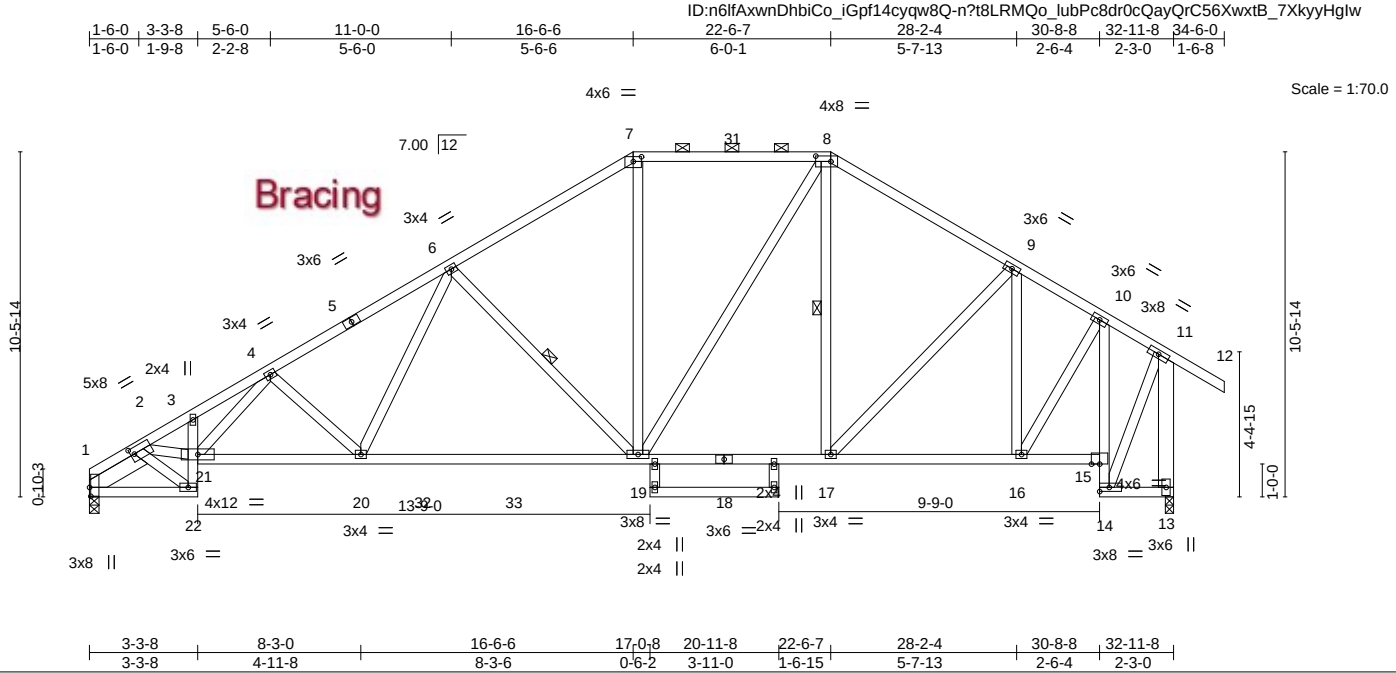



Plate Offsets (X,Y)-- [1:0-3-4,0-0-7], [2:0-1-5,0-2-4], [7:0-3-0,0-1-12], [8:0-5-8,0-2-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.52 | Vert(LL) | -0.18 | 19-20 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.93 | Vert(CT) | -0.36 | 19-20 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.84 | Horz(CT) | 0.18 | 13 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 252 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 *Except* 3-22,10-14,23-24: 2x4 SP No.3 |
| WEBS | 2x4 SP No.3 *Except* 11-13: 2x6 SP No.2 |
| SLIDER | Left 2x6 SP No.2 1-10-11 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-4-1 oc purlins, except end verticals, and 2-0-0 oc purlins (4-9-4 max.): 7-8. |
| BOT CHORD | Rigid ceiling directly applied or 2-2-0 oc bracing. |
| WEBS | 1 Row at midpt 6-19, 8-17 |

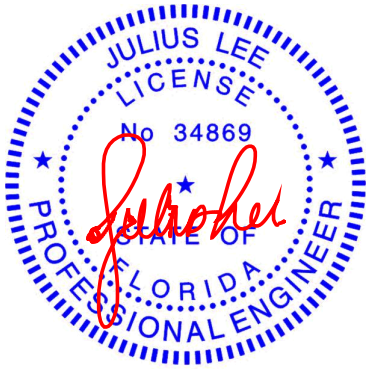
**REACTIONS.** (size) 1=0-3-8, 13=0-3-0
Max Horz 1=390(LC 11)
Max Uplift 1=-472(LC 12), 13=-478(LC 13)
Max Grav 1=1208(LC 1), 13=1309(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-2=-455/205, 2-3=-2809/1298, 3-4=-2918/1382, 4-6=-2061/983, 6-7=-1339/728, 7-8=-1136/689, 8-9=-1163/655, 9-10=-955/525, 10-11=-578/356, 11-13=-1362/692 |
| BOT CHORD | 1-22=-696/1423, 21-22=-562/1168, 20-21=-1055/2274, 19-20=-715/1639, 17-19=-359/934, 16-17=-375/860, 15-16=-215/509, 14-15=-793/329, 10-15=-831/354 |
| WEBS | 2-22=-1619/804, 2-21=-1174/2483, 4-21=-354/736, 4-20=-535/357, 6-20=-231/651, 6-19=-721/443, 7-19=-146/420, 8-19=-215/404, 9-16=-467/266, 10-16=-305/728, 11-14=-391/967 |

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=472, 13=478.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

November 19,2020



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Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943169 |
|---|---|---|---|---|---|
| 2544205 | T20 | Piggyback Base | 1 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:13 2020 Page 1
ID:n6lfAxwnDhbiCo_iGpf14cyqw8Q-jO?vm7NhKc?cqimXlG24W?1lg?nR?qI9flcdpryHglu

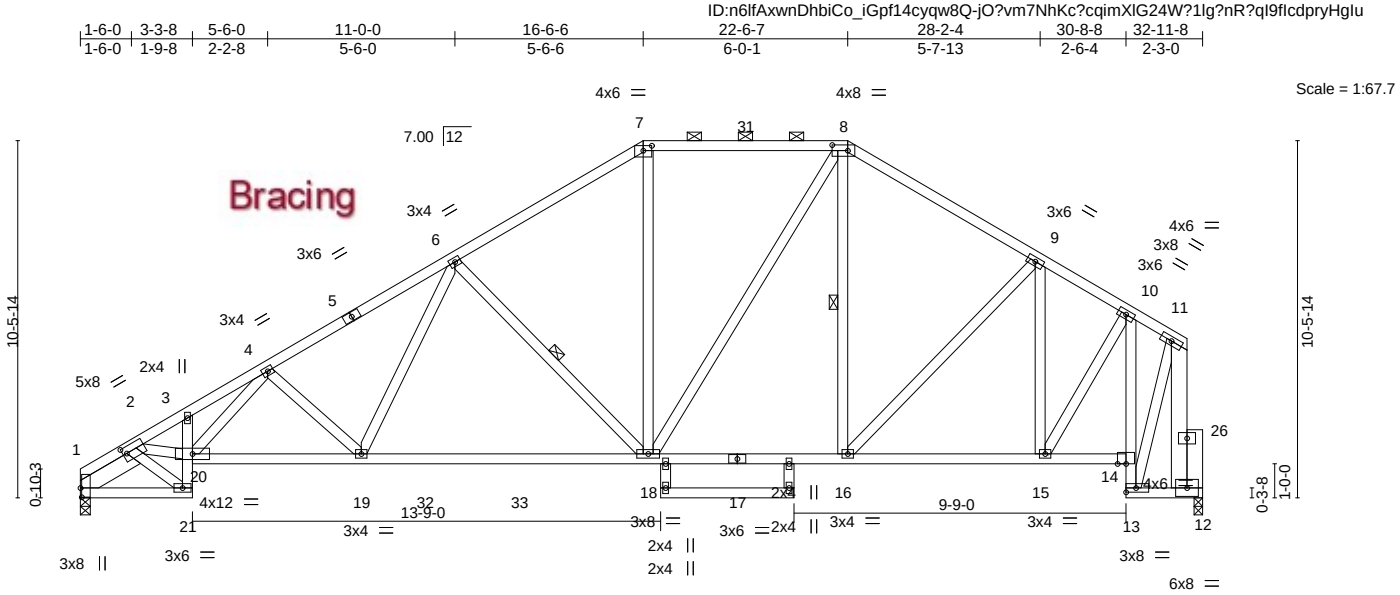



Plate Offsets (X,Y)-- [1:0-3-4,0-0-7], [2:0-1-5,0-2-4], [7:0-3-0,0-1-12], [8:0-5-8,0-2-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.62 | Vert(LL) | -0.18 | 18-19 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.94 | Vert(CT) | -0.36 | 18-19 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.85 | Horz(CT) | 0.19 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 253 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 *Except* 3-21,22-23: 2x4 SP No.3 |
| WEBS | 2x4 SP No.3 *Except* 11-12: 2x6 SP No.2 |
| OTHERS | 2x6 SP No.2 |
| SLIDER | Left 2x6 SP No.2 1-10-11 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-3-14 oc purlins, except end verticals, and 2-0-0 oc purlins (4-8-11 max.): 7-8. |
| BOT CHORD | Rigid ceiling directly applied or 2-2-0 oc bracing. |
| WEBS | 1 Row at midpt 6-18, 8-16 |

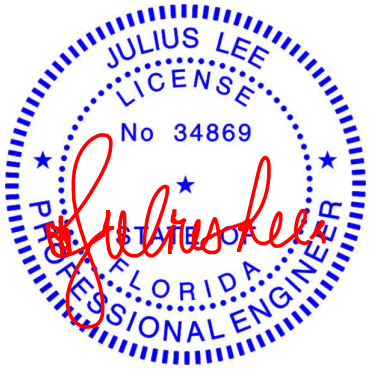
**REACTIONS.** (size) 1=0-3-8, 12=0-3-0
Max Horz 1=384(LC 11)
Max Uplift 1=-473(LC 12), 12=-391(LC 13)
Max Grav 1=1219(LC 1), 12=1183(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-2=-458/205, 2-3=-2822/1353, 3-4=-2931/1444, 4-6=-2084/997, 6-7=-1361/734, 7-8=-1151/694, 8-9=-1193/661, 9-10=-1016/535, 10-11=-646/373, 11-12=-1256/588 |
| BOT CHORD | 1-21=-780/1418, 20-21=-632/1164, 19-20=-1170/2272, 18-19=-813/1639, 16-18=-449/960, 15-16=-461/881, 14-15=-291/540, 13-14=-674/330, 10-14=-719/363 |
| WEBS | 2-21=-1612/903, 2-20=-1305/2478, 4-20=-399/731, 4-19=-533/363, 6-19=-237/649, 6-18=-720/445, 7-18=-149/429, 8-18=-215/392, 9-15=-432/273, 10-15=-324/696, 11-13=-395/828 |

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=473, 12=391.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

November 19,2020



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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943170 |
|---|---|---|---|---|---|
| 2544205 | T21 | Piggyback Base | 2 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:14 2020 Page 1
ID:n6lfAxwnDhbiCo_iGpf14cyqw8Q-BaZHzTOJ5v7TSsLjI_ZJ2CawYP7VkHaJuyMBLHyHgIt

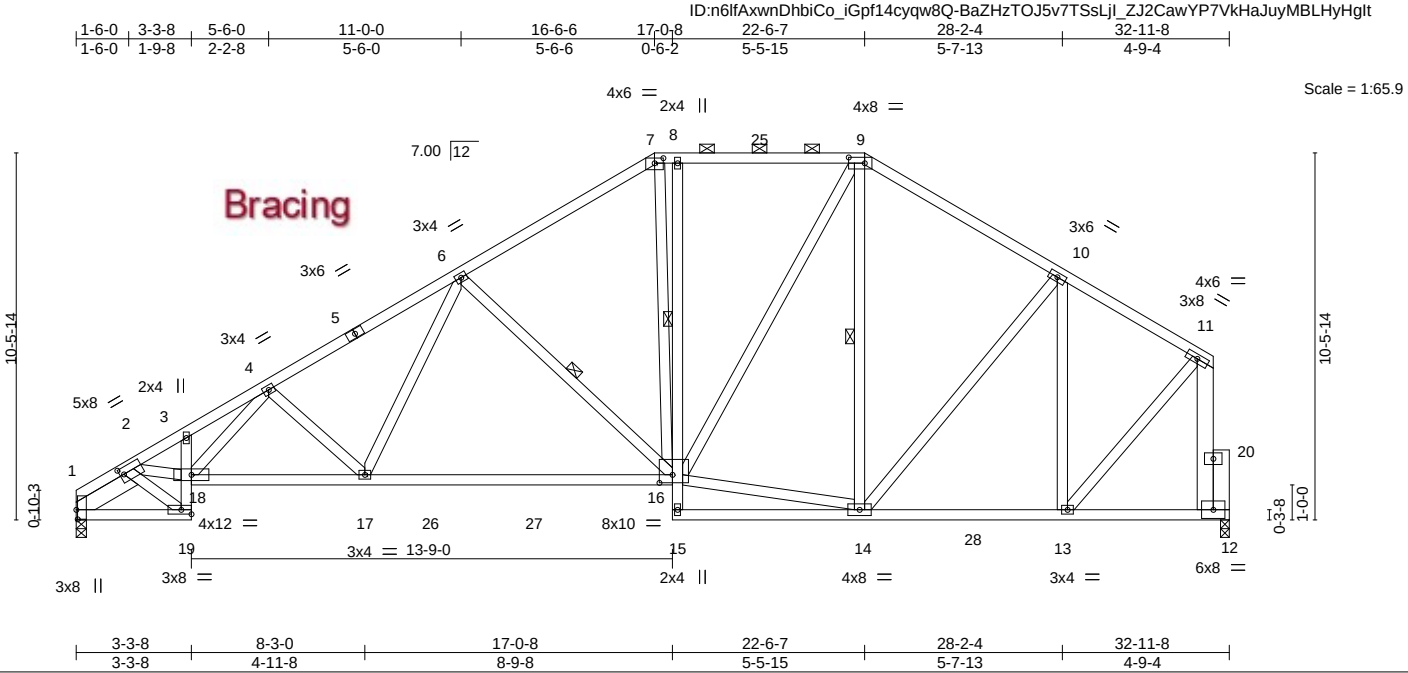



Plate Offsets (X,Y)-- [1:0-3-4,0-0-7], [2:0-1-5,0-2-4], [7:0-3-0,0-1-12], [9:0-5-8,0-2-0], [16:0-4-8,0-2-12]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.61 | Vert(LL) | -0.21 | 16-17 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.95 | Vert(CT) | -0.46 | 16-17 | >868 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.85 | Horz(CT) | 0.13 | 12 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 259 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 *Except* 3-19,8-15: 2x4 SP No.3 |
| WEBS | 2x4 SP No.3 *Except* 11-12: 2x6 SP No.2 |
| OTHERS | 2x6 SP No.2 |
| SLIDER | Left 2x6 SP No.2 1-10-11 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-3-15 oc purlins, except end verticals, and 2-0-0 oc purlins (5-1-8 max.): 7-9. |
| BOT CHORD | Rigid ceiling directly applied or 2-2-0 oc bracing. Except: 1 Row at midpt 8-16 |
| WEBS | 1 Row at midpt 6-16, 9-14 |

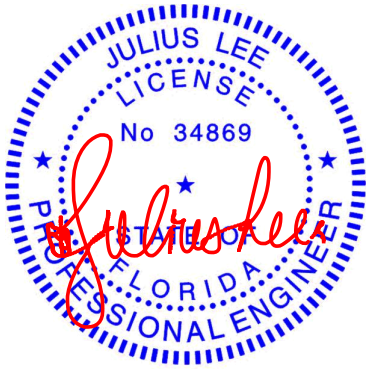
**REACTIONS.** (size) 1=0-3-8, 12=0-3-0
Max Horz 1=384(LC 11)
Max Uplift 1=-473(LC 12), 12=-391(LC 13)
Max Grav 1=1219(LC 1), 12=1183(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-2=-458/205, 2-3=-2776/1354, 3-4=-2877/1445, 4-6=-2091/996, 6-7=-1325/719, 7-8=-1139/694, 8-9=-1138/696, 9-10=-1085/639, 10-11=-912/495, 11-12=-1145/541 |
| BOT CHORD | 1-19=-780/1400, 18-19=-633/1143, 17-18=-1169/2245, 16-17=-813/1605, 13-14=-394/751 |
| WEBS | 2-19=-1583/904, 2-18=-1306/2434, 4-18=-402/717, 4-17=-531/364, 6-17=-233/679, 6-16=-739/447, 7-16=-235/469, 14-16=-384/896, 9-16=-266/542, 10-14=-177/253, 10-13=-503/318, 11-13=-386/834 |

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=473, 12=391.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 19,2020



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Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943171 |
|---|---|---|---|---|---|
| 2544205 | T22 | Piggyback Base | 2 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:16 2020 Page 1
ID:n6lfAxwnDhbiCo_iGpf14cyqw8Q-8zg1O9QZcXNBhAU5QOcn7dfG4DphCEWcLGrHP9yHgIr

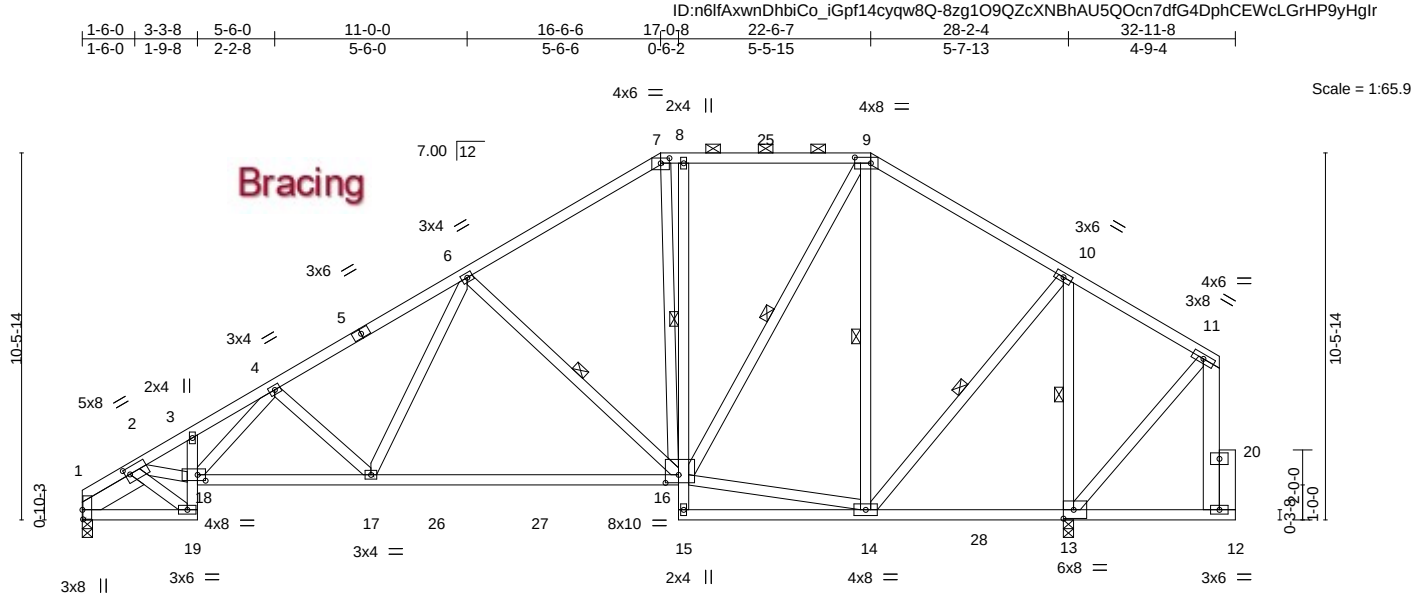


Plate Offsets (X,Y)-- [1:0-3-4,0-0-3], [2:0-1-9,0-2-4], [7:0-3-0,0-1-12], [9:0-5-8,0-2-0], [13:0-3-8,0-3-0], [16:0-4-8,0-2-12], [18:0-2-12,0-2-0]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.61 | Vert(LL) | 0.39 | 16-17 | >863 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.84 | Vert(CT) | -0.41 | 16-17 | >828 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.69 | Horz(CT) | -0.10 | 13 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 259 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 *Except* 3-19,8-15: 2x4 SP No.3 |
| WEBS | 2x4 SP No.3 *Except* 11-12: 2x6 SP No.2 |
| OTHERS | 2x6 SP No.2 |
| SLIDER | Left 2x6 SP No.2 1-10-11 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-8-6 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-9. |
| BOT CHORD | Rigid ceiling directly applied or 3-6-12 oc bracing. Except: 1 Row at midpt 8-16 |
| WEBS | 1 Row at midpt 6-16, 9-16, 9-14, 10-14, 10-13 |

**REACTIONS.** (size) 1=0-3-8, 13=0-3-8
Max Horz 1=476(LC 11)
Max Uplift 1=-468(LC 9), 13=-528(LC 9)
Max Grav 1=1019(LC 1), 13=1383(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-2=-391/451, 2-3=-2346/2661, 3-4=-2428/2806, 4-6=-1673/1905, 6-7=-909/1059, 7-8=-732/1000, 8-9=-732/997, 9-10=-576/718 |
| BOT CHORD | 1-19=-1543/1214, 18-19=-1246/989, 17-18=-2184/1897, 16-17=-1475/1283, 8-16=-251/245 |
| WEBS | 4-18=-837/614, 4-17=-477/524, 6-17=-805/658, 6-16=-727/767, 7-16=-389/311, 14-16=-611/508, 9-16=-702/664, 9-14=-565/479, 10-14=-783/773, 10-13=-1189/1202, 2-19=-1369/1697, 2-18=-2528/2079 |

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever right exposed ; end vertical right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=468, 13=528.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.


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Date:

November 19,2020



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Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T23 | Piggyback Base | 1 | 1 | T21943172 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:18 2020 Page 1
ID:n6lfAxwnDhbiCo_iGpf14cyqw8Q-4MoopqRp88dvwUeUXpeFD2kdE0YZg9MvoaKOU2yHgIp

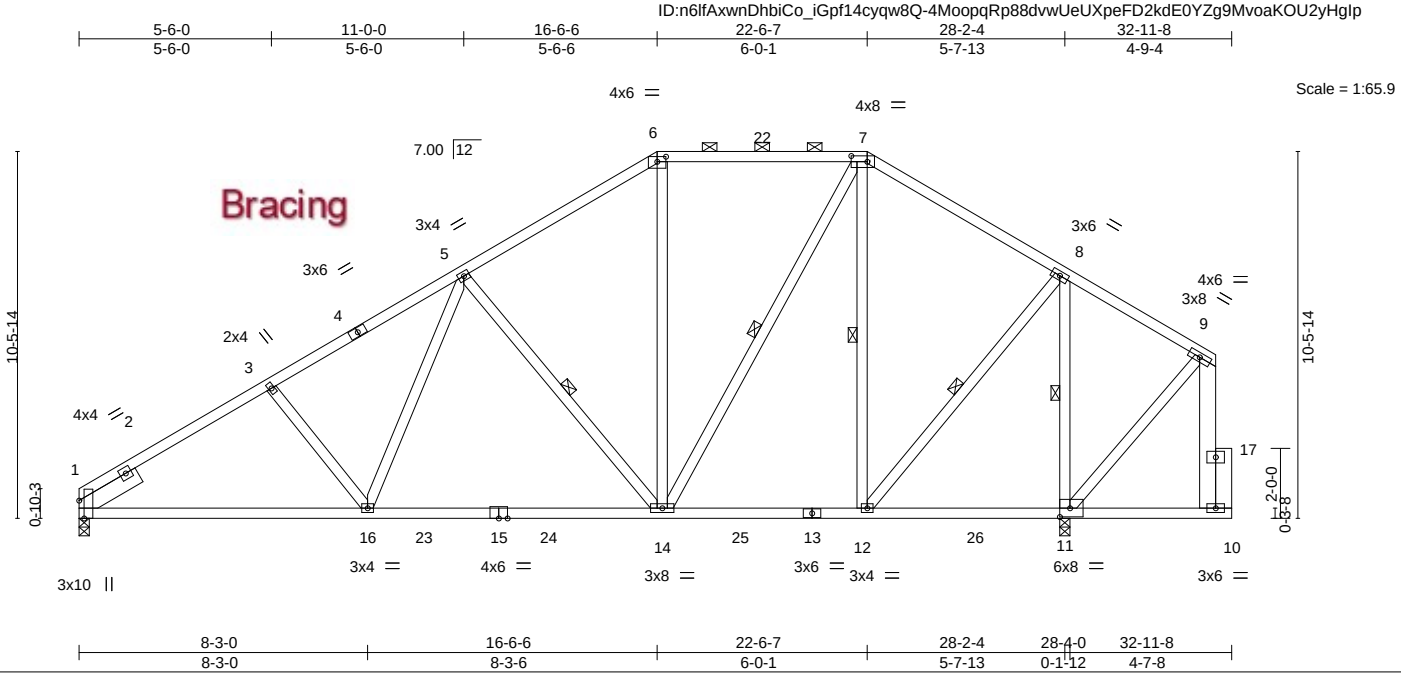



Plate Offsets (X,Y)-- [1:0-6-2,Edge], [6:0-3-0,0-1-12], [7:0-5-8,0-2-0], [11:0-3-8,0-3-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.57 | Vert(LL) | 0.24 | 14-16 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.69 | Vert(CT) | -0.33 | 14-16 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.61 | Horz(CT) | 0.03 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 230 lb | FT = 20% |

**LUMBER-**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* 7-14: 2x4 SP No.2, 9-10: 2x6 SP No.2 |
| OTHERS | 2x6 SP No.2 |
| SLIDER | Left 2x6 SP No.2 1-11-8 |

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-9-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7. |
| BOT CHORD | Rigid ceiling directly applied or 4-7-8 oc bracing. |
| WEBS | 1 Row at midpt 5-14, 7-14, 7-12, 8-12, 8-11 |

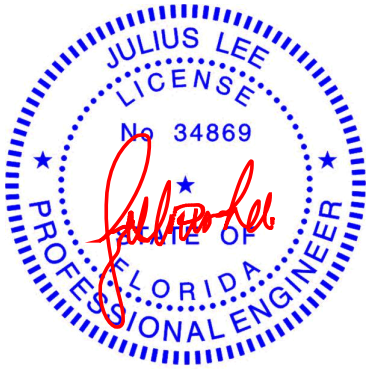
**REACTIONS.** (size) 1=0-3-8, 11=0-3-8
Max Horz 1=384(LC 11)
Max Uplift 1=-470(LC 9), 11=-526(LC 9)
Max Grav 1=1036(LC 19), 11=1392(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-3=-1496/1518, 3-5=-1381/1517, 5-6=-869/1032, 6-7=-700/952, 7-8=-589/717 |
| BOT CHORD | 1-16=-1463/1438, 14-16=-1148/1160, 12-14=-474/482 |
| WEBS | 3-16=-251/237, 5-16=-526/415, 5-14=-608/620, 6-14=-302/213, 7-14=-574/593, 7-12=-492/383, 8-12=-774/787, 8-11=-1184/1188 |

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever right exposed ; end vertical right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=470, 11=526.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943173 |
|---|---|---|---|---|---|
| 2544205 | T24 | Monopitch | 7 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:18 2020 Page 1
ID:n6lfAxwnDhbiCo_iGpf14cyqw8Q-4MoopqRp88dvwUeUXpeFD2kcU0amgFTvoaKOU2yHgIp

-1-6-0 4-7-0 8-3-8 12-6-0
1-6-0 4-7-0 3-8-8 4-2-8

Scale = 1:26.7

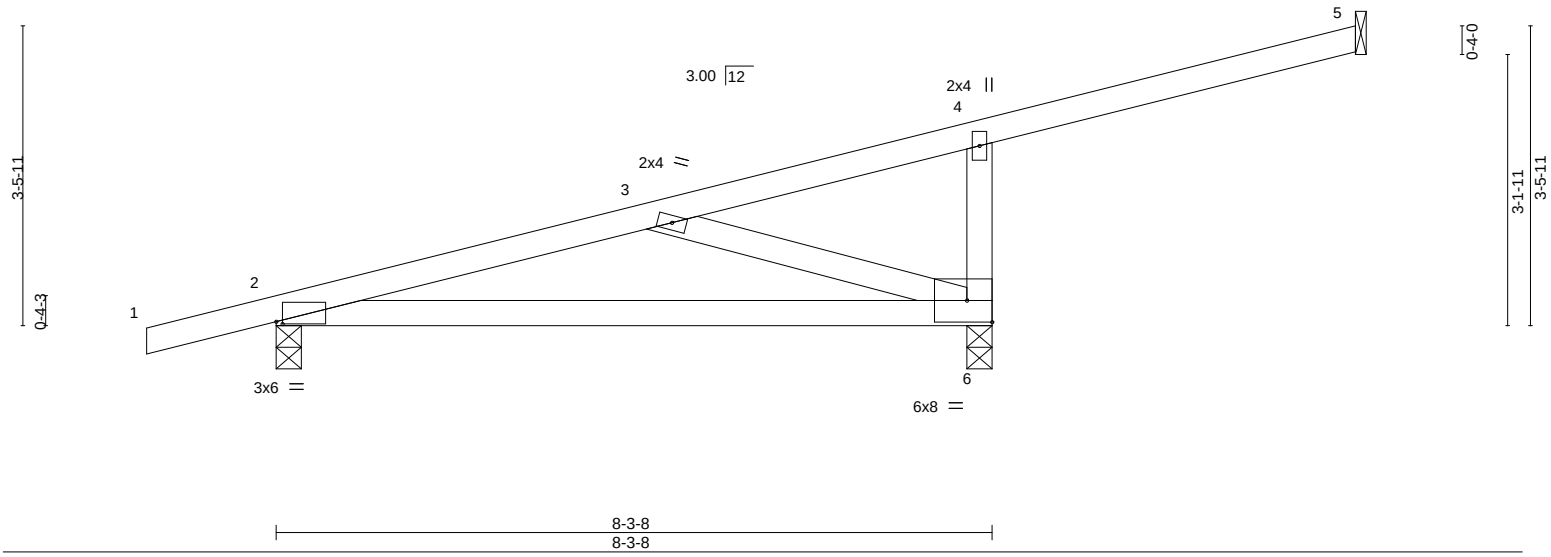



Plate Offsets (X,Y)-- [2:0-0-14,0-0-5]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.62 | Vert(LL) | 0.22 | 6-9 | >441 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.54 | Vert(CT) | 0.19 | 6-9 | >510 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.22 | Horz(CT) | -0.01 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 42 lb | FT = 20% |

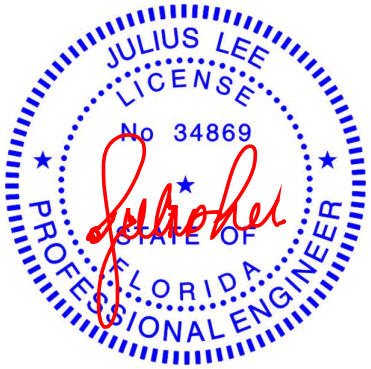
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-9 oc bracing.

**REACTIONS.** (size) 5=Mechanical, 2=0-3-8, 6=0-3-8
Max Horz 2=176(LC 8)
Max Uplift 5=-73(LC 8), 2=-290(LC 8), 6=-362(LC 8)
Max Grav 5=91(LC 1), 2=377(LC 1), 6=448(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-486/578
BOT CHORD 2-6=-753/467
WEBS 3-6=-471/724

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=290, 6=362.

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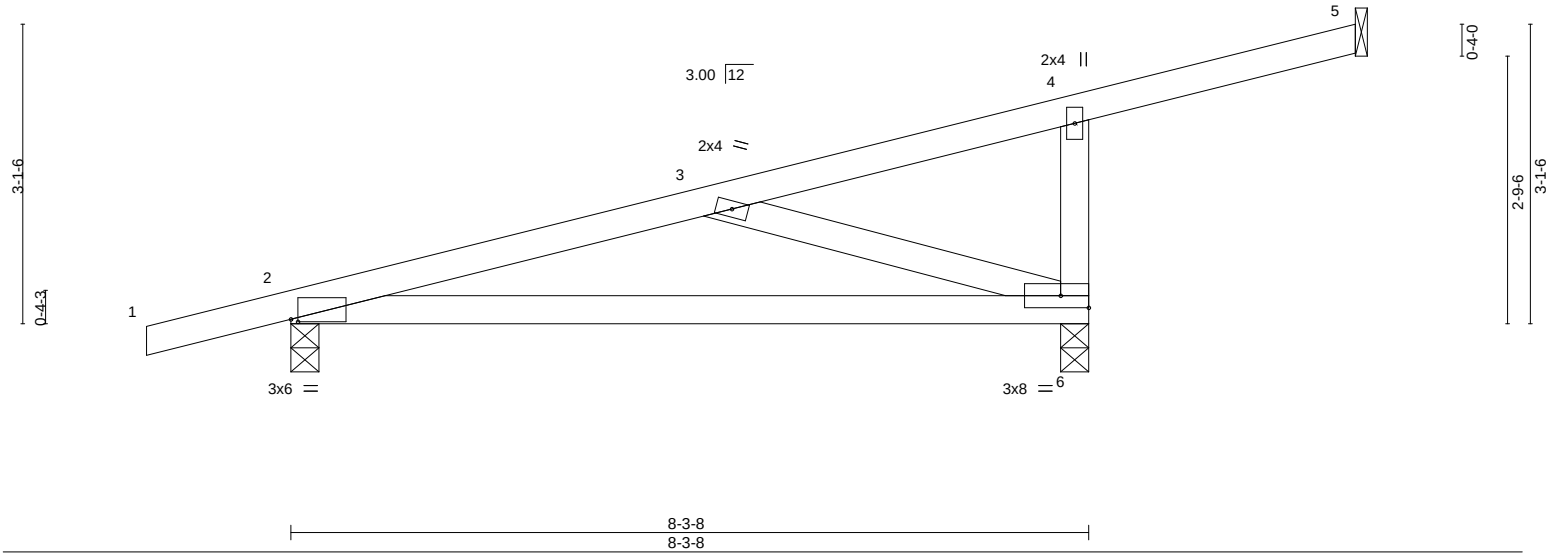
| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T25 | Monopitch | 2 | 1 | T21943174 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:19 2020 Page 1
ID:n6lfAxwnDhbiCo_iGpf14cyqw8Q-YYMA1ASSvSlmYdDg5X9UlGHmAQw_Pid21E3y0UyHgIo

-1-6-0 4-7-0 8-3-8 11-0-12
1-6-0 4-7-0 3-8-8 2-9-4

Scale: 1/2"=1'




8-3-8
8-3-8

Plate Offsets (X,Y)-- [2:0-0-14,0-0-5]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.62 | Vert(LL) | 0.22 | 6-9 | >444 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.55 | Vert(CT) | 0.19 | 6-9 | >513 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.22 | Horz(CT) | -0.01 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 40 lb | FT = 20% |

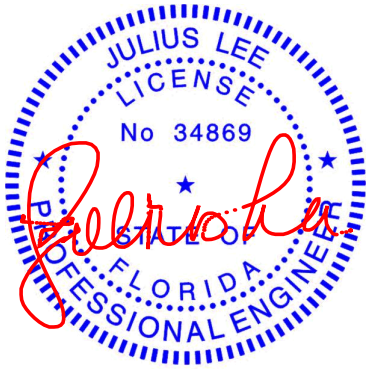
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-3-3 oc bracing.

**REACTIONS.** (size) 5=Mechanical, 2=0-3-8, 6=0-3-8
Max Horz 2=158(LC 8)
Max Uplift 5=-45(LC 8), 2=-299(LC 8), 6=-323(LC 8)
Max Grav 5=56(LC 1), 2=382(LC 1), 6=400(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-513/636
BOT CHORD 2-6=-785/494
WEBS 3-6=-487/743

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=299, 6=323.

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November 19,2020




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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. T21943175 |
|---|---|---|---|---|---|
| 2544205 | T26 | Monopitch | 1 | 1 | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:20 2020 Page 1
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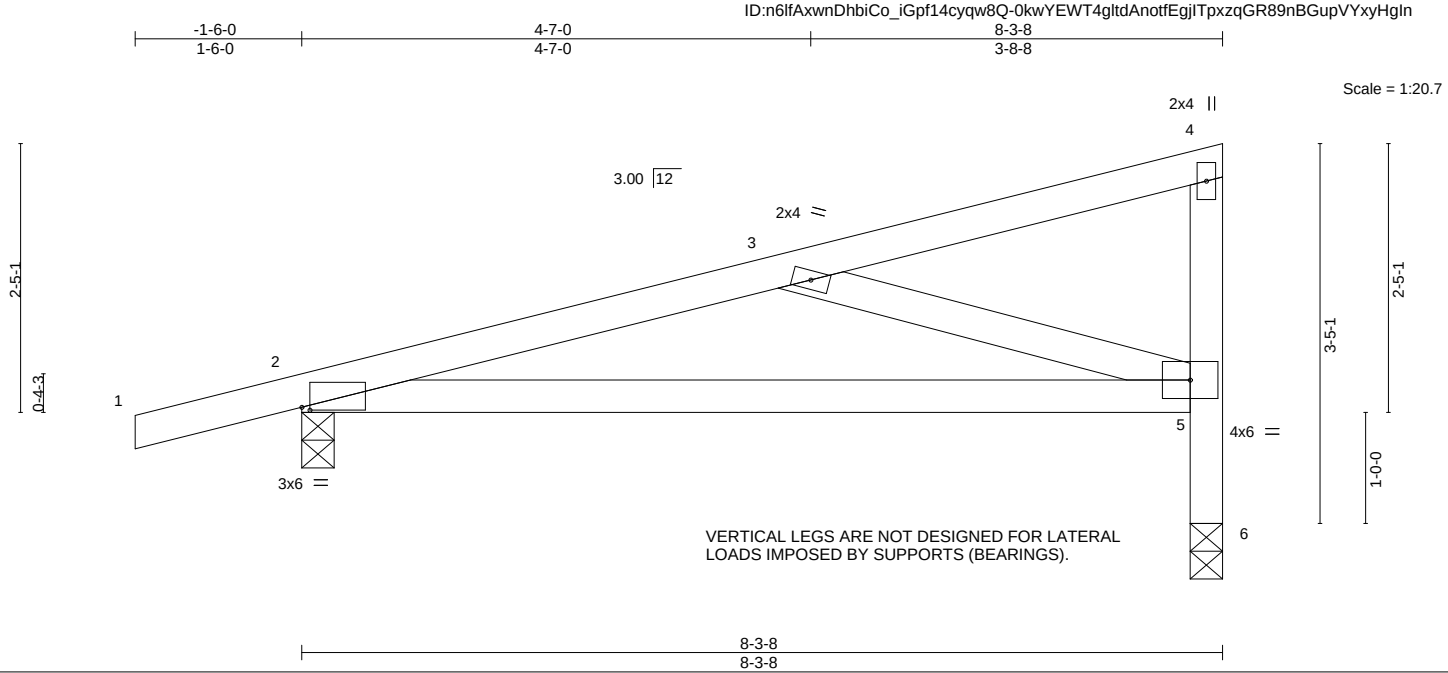



Plate Offsets (X,Y)-- [2:0-0-14,0-0-5]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.62 | Vert(LL) | 0.21 | 5-9 | >460 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.53 | Vert(CT) | 0.18 | 5-9 | >531 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.23 | Horz(CT) | -0.03 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 37 lb | FT = 20% |

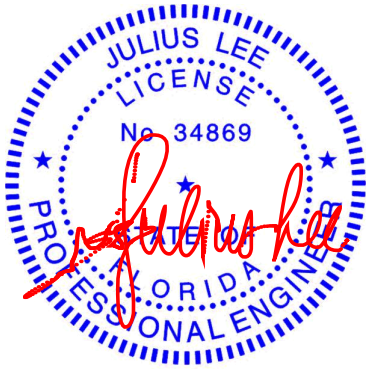
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-2-12 oc bracing.

**REACTIONS.** (size) 2=0-3-8, 6=0-3-8
Max Horz 2=123(LC 8)
Max Uplift 2=-314(LC 8), 6=-239(LC 8)
Max Grav 2=390(LC 1), 6=294(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-552/717, 5-6=-294/485
BOT CHORD 2-5=-816/532
WEBS 3-5=-513/760

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) 6 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 capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=314, 6=239.

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November 19,2020



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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T27 | Half Hip Girder | 1 | 1 | T21943176 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:21 2020 Page 1
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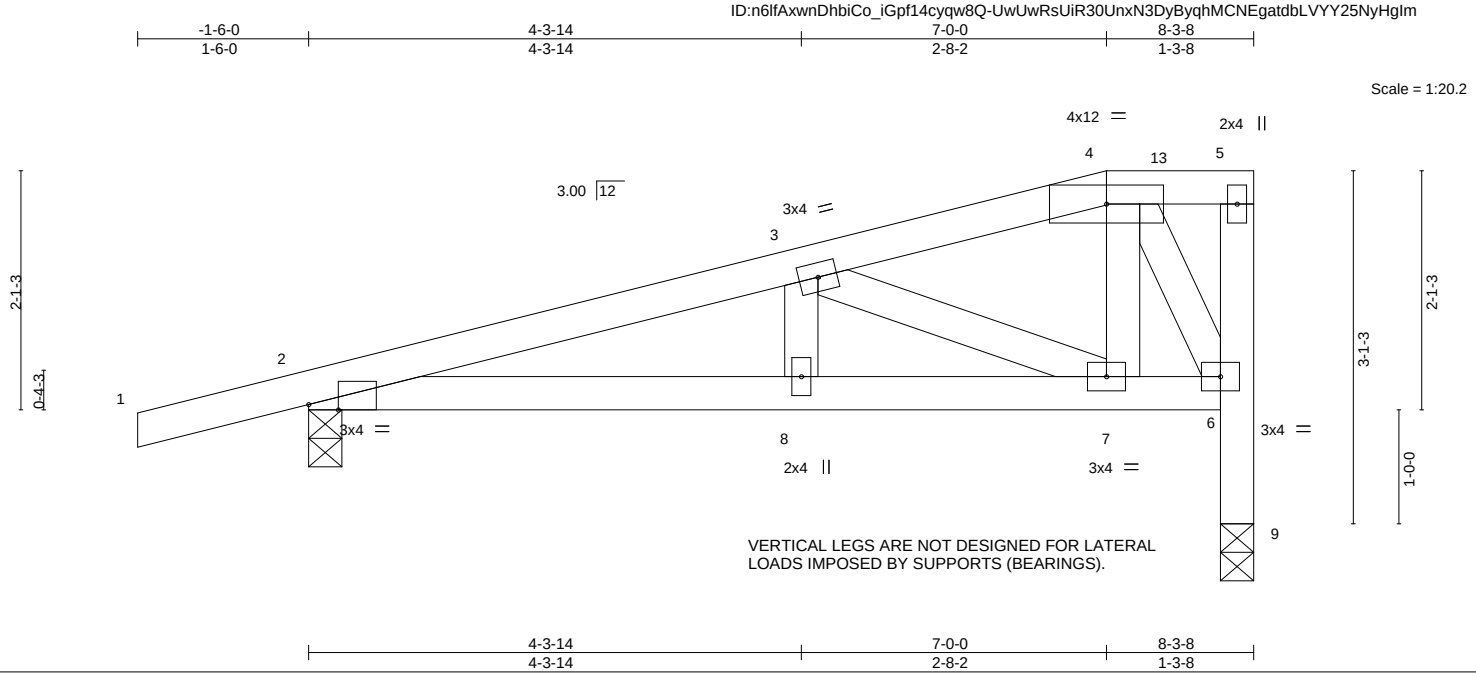



Plate Offsets (X,Y)-- [2:0-3-2,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.19 | Vert(LL) | 0.03 | 8-12 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.28 | Vert(CT) | -0.04 | 8-12 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.19 | Horz(CT) | -0.02 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 41 lb | FT = 20% |

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

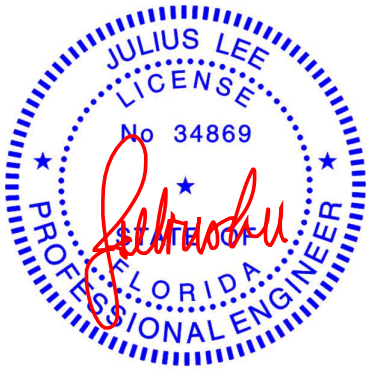
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-4-9 oc bracing.

**REACTIONS.** (size) 2=0-3-8, 9=0-3-8
Max Horz 2=110(LC 4)
Max Uplift 2=-364(LC 4), 9=-559(LC 4)
Max Grav 2=446(LC 1), 9=680(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-816/598, 3-4=-394/296, 6-9=-680/559
BOT CHORD 2-8=-632/777, 7-8=-632/777, 6-7=-332/402
WEBS 3-7=-448/366, 4-7=-416/501, 4-6=-716/592

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=364, 9=559.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 127 lb down and 127 lb up at 7-0-0 on top chord, and 335 lb down and 365 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 6-10=-20
Concentrated Loads (lb)
Vert: 7=-335(F) 4=-108(F)

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T28 | Monopitch | 1 | 1 | T21943177 |

Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:22 2020 Page 1
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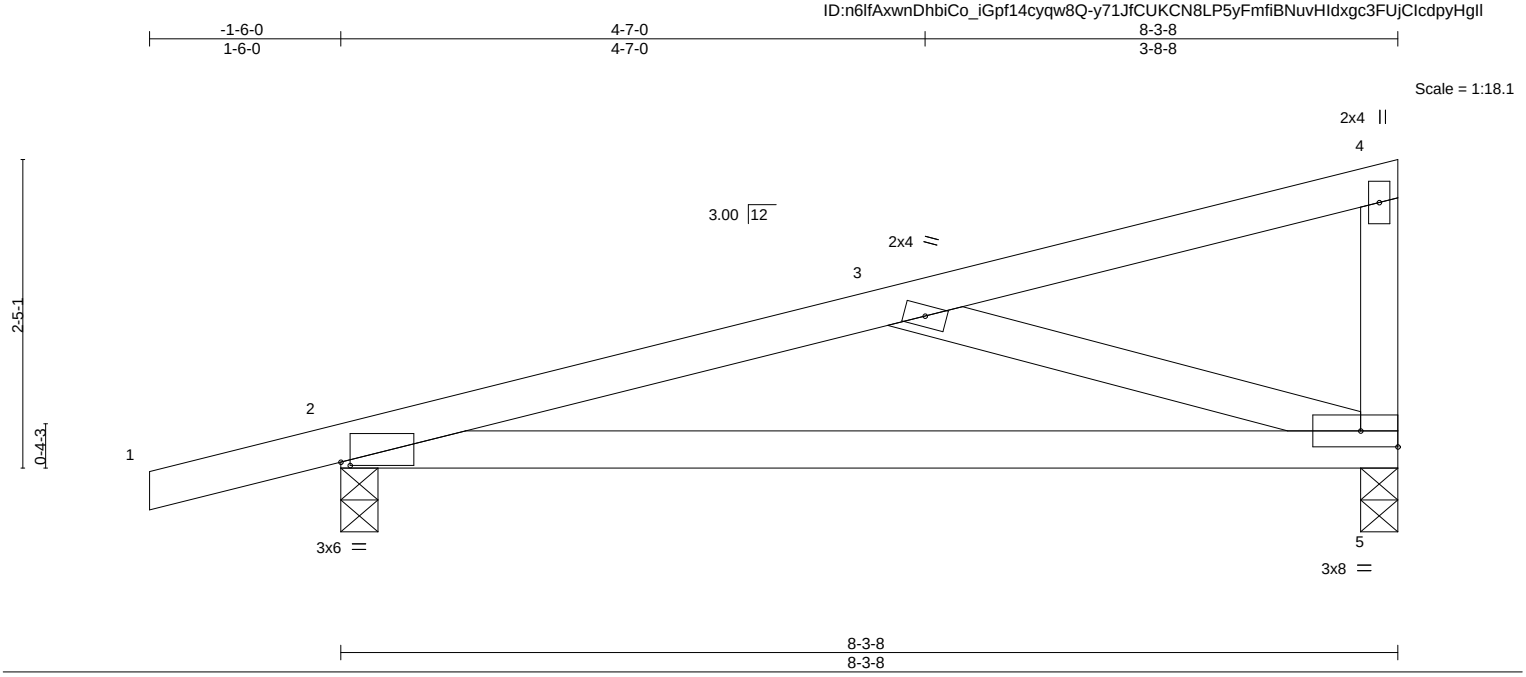


Plate Offsets (X,Y)-- [2:0-0-14,0-0-5]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.63 | Vert(LL) | 0.22 | 5-8 | >447 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.55 | Vert(CT) | 0.19 | 5-8 | >516 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.23 | Horz(CT) | -0.01 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MS | | | | | | | Weight: 36 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-2-1 oc bracing.

**REACTIONS.** (size) 2=0-3-8, 5=0-3-8
Max Horz 2=123(LC 8)
Max Uplift 2=-314(LC 8), 5=-239(LC 8)
Max Grav 2=390(LC 1), 5=294(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-551/715
BOT CHORD 2-5=-815/531
WEBS 3-5=-516/767

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=314, 5=239.


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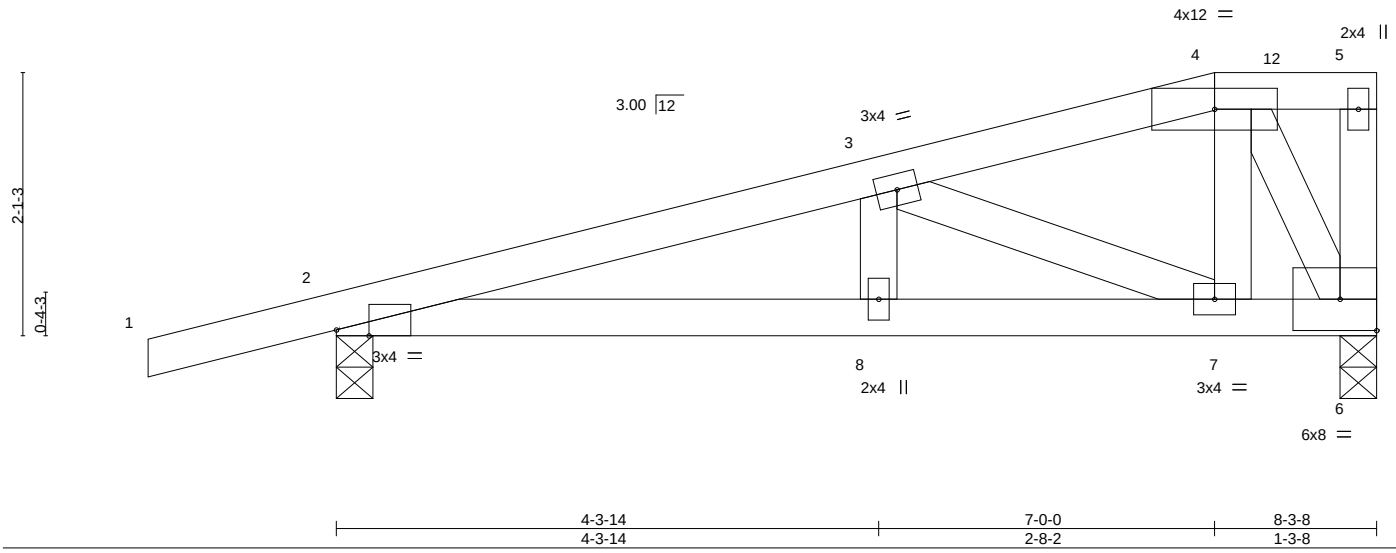
| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T29 | Half Hip Girder | 1 | 1 | T21943178 |

Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:23 2020 Page 1
ID:n6lfAxwnDhbiCo_iGpf14cyqw8Q-QJbhsYVyzgGB1FXSKNEQw6RYs1L2LW2eys199FyHgIk

-1-6-0 | 4-3-14 | 7-0-0 | 8-3-8
1-6-0 | 4-3-14 | 2-8-2 | 1-3-8

Scale = 1:18.4




4-3-14 | 7-0-0 | 8-3-8
4-3-14 | 2-8-2 | 1-3-8

Plate Offsets (X,Y)-- [2:0-3-2,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.19 | Vert(LL) | 0.03 | 8-11 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.28 | Vert(CT) | -0.04 | 8-11 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.19 | Horz(CT) | -0.01 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-MS | | | | | | | Weight: 40 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-4-9 oc bracing.

**REACTIONS.** (size) 2=0-3-8, 6=0-3-8
Max Horz 2=110(LC 4)
Max Uplift 2=-364(LC 4), 6=-559(LC 4)
Max Grav 2=446(LC 1), 6=680(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-816/598, 3-4=-394/297
BOT CHORD 2-8=-632/777, 7-8=-632/777, 6-7=-333/403
WEBS 3-7=-447/366, 4-7=-422/508, 4-6=-726/600

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
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 100 lb uplift at joint(s) except (jt=lb) 2=364, 6=559.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 127 lb down and 127 lb up at 7-0-0 on top chord, and 335 lb down and 365 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 6-9=-20
Concentrated Loads (lb)
Vert: 7=-335(B) 4=-108(B)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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T30 | MONO TRUSS | 16 | 1 | T21943179 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:24 2020 Page 1
ID:n6lfAxwnDhbiCo_iGpf14cyqw8Q-vV934uWak_O2eP6eu4lfSJ_fxRh84x5nBWnjhiyHgIj

-1-6-0 6-0-0
1-6-0 6-0-0

Scale = 1:14.5

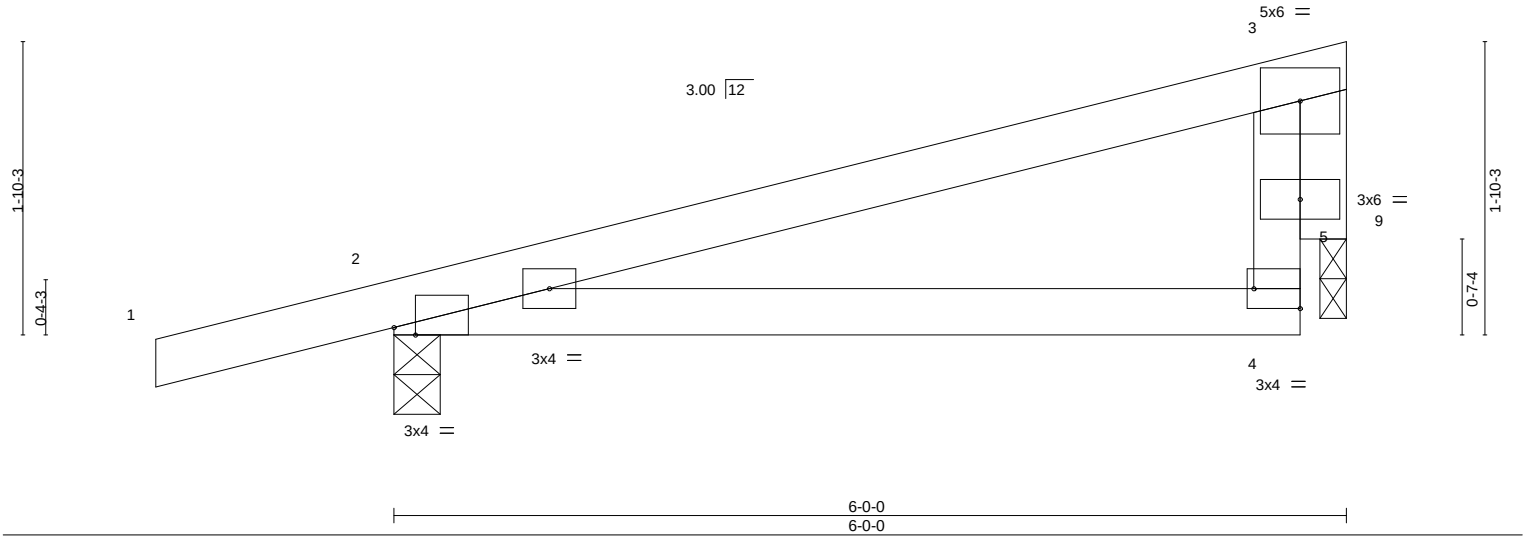



Plate Offsets (X,Y)-- [2:0-1-10,Edge], [4:Edge,0-1-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.49 | Vert(LL) | 0.06 | 4-8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.29 | Vert(CT) | 0.05 | 4-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.33 | Horz(CT) | -0.00 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-MR | | | | | | | Weight: 23 lb | FT = 20% |

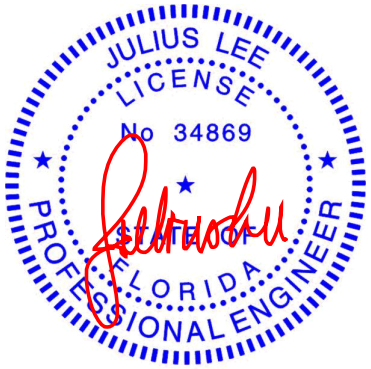
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-7 oc bracing.

**REACTIONS.** (size) 2=0-3-8, 9=0-2-0
Max Horz 2=92(LC 8)
Max Uplift 2=-257(LC 8), 9=-147(LC 8)
Max Grav 2=309(LC 1), 9=183(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-223/317
BOT CHORD 2-4=-359/201

**NOTES-**
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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) 9 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) 9.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=257, 9=147.

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| Job | Truss | Truss Type | Qty | Ply | IC CONST. - MCNUTT RES. |
|---|---|---|---|---|---|
| 2544205 | T30G | Monopitch Supported Gable | 2 | 1 | T21943180 |

Job Reference (optional)

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Thu Nov 19 08:42:25 2020 Page 1
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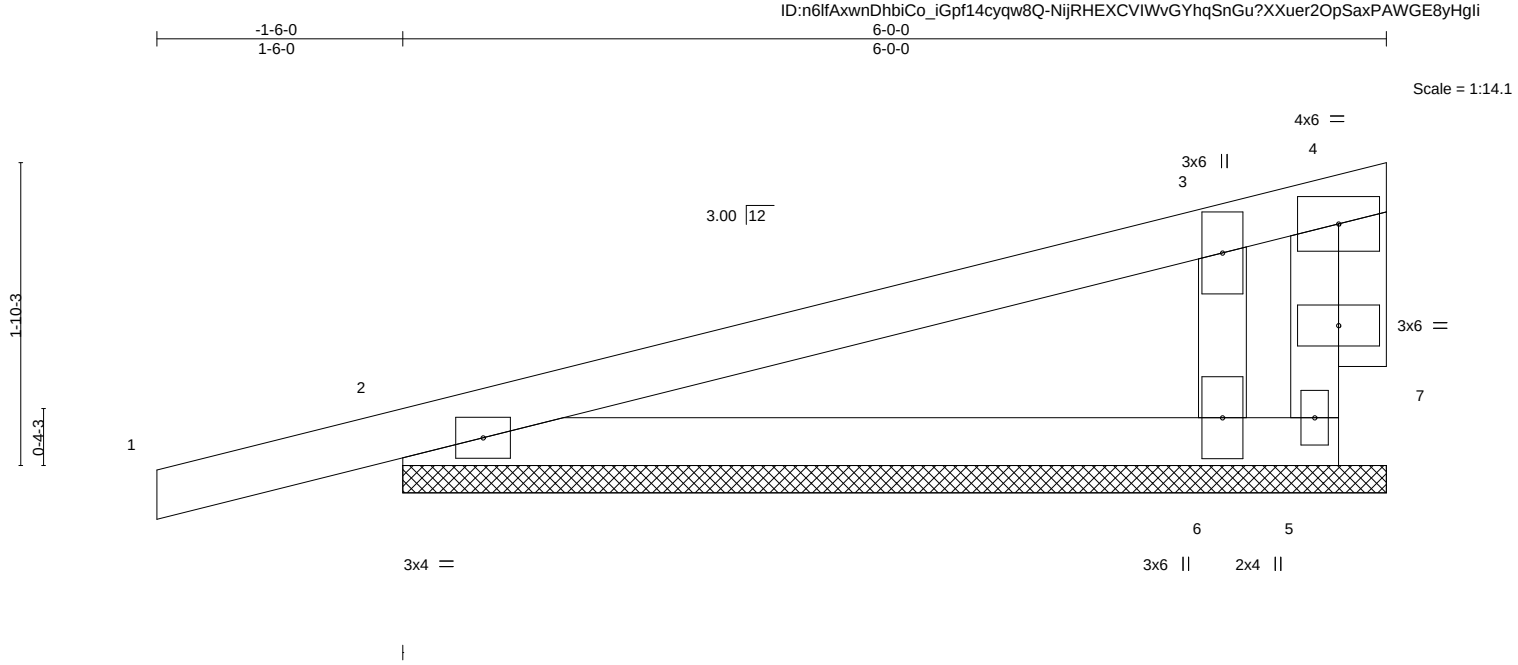



| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.24 | Vert(LL) | -0.00 | 1 | n/r | 120 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.23 | Vert(CT) | 0.00 | 1 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.13 | Horz(CT) | -0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2017/TPI2014 | Matrix-P | | | | | | | Weight: 25 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-**

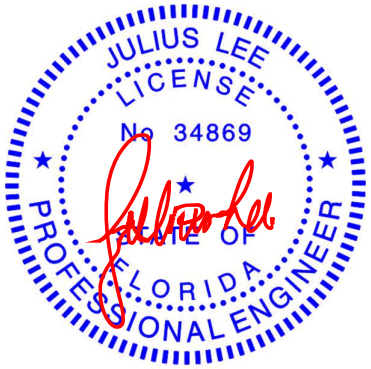
| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 10-0-0 oc bracing. |

**REACTIONS.** (size) 5=6-0-0, 2=6-0-0, 6=6-0-0
Max Horz 2=93(LC 8)
Max Uplift 5=-245(LC 1), 2=-162(LC 8), 6=-226(LC 12)
Max Grav 5=100(LC 12), 2=247(LC 1), 6=499(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-332/428

**NOTES-**

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch 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. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
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 100 lb uplift at joint(s) except (jt=lb) 5=245, 2=162, 6=226.

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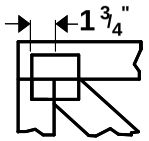
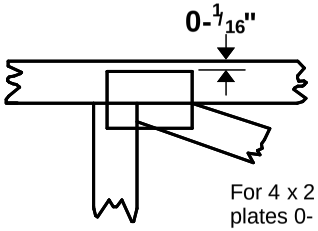
# Symbols

## PLATE LOCATION AND ORIENTATION




Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.




For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

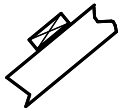
*** Plate location details available in MiTek 20/20 software or upon request.**

## PLATE SIZE

4 x 4

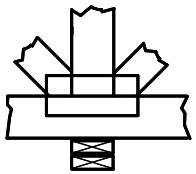
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

## BEARING

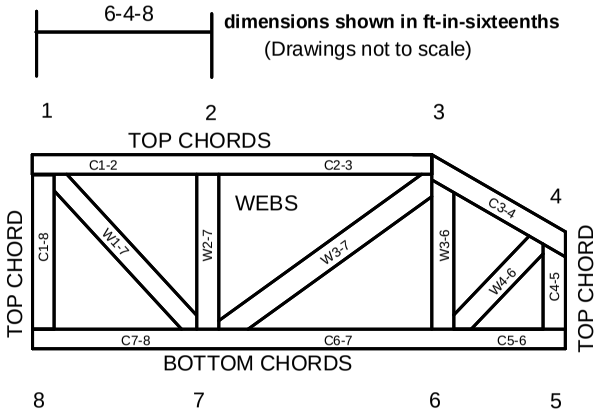


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

**Industry Standards:**

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

# Numbering System




**JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.**

**CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.**

## PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.



MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

# General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

21.The design does not take into account any dynamic or other loads other than those expressly stated.