DE
DANSCO ENGINEERING, LLC

P.O. Box 3400
Apollo Beach, FL 33572
Telephone (813) 645-0166
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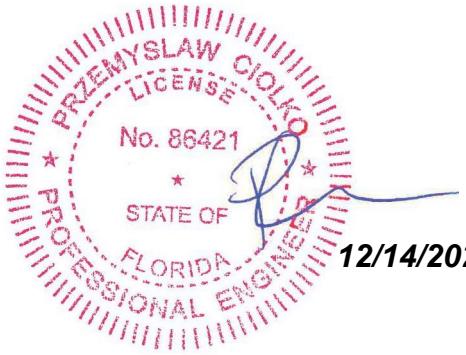
The truss drawing(s) attached have been prepared by Dansco Engineering, LLC under my direct supervision and control based on the parameters provided by **Builders FirstSource.** We have reviewed the requirements of the 2020 Florida Building Code and hereby certify that the attached trusses are in compliance with letter and intent of said code.

Job: 3278724

27 truss design(s)

97901-W1




***12/14/2022***


**Przemyslaw Ciolko, P.E.**
**FL Reg. #86421**
**COA: CA25948**

**Note: Gable end frames with stud lengths exceeding 4' require permanent bracing. On structural gables, where studs may be made from two or more boards as they cross diagonals, the 4' length is the distance from the top chord to bottom chord.**

**The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI 1-2014 Chapter 2.**

***Warning !—Verify design parameters and read notes before use.***
These designs are based only upon parameters shown, and are for indi vidual building components to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, deli very, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, W I 53719

| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | A01 | Roof Special | 1 | 1 | **DE Job # 97901-W1** |

Builders First Source, Atlanta Components — Run: 8.53 S Jan 6 2022 Print: 8.530 S Jan 6 2022 MiTek Industries, Inc. Tue Dec 13 08:43:09 — Page: 1

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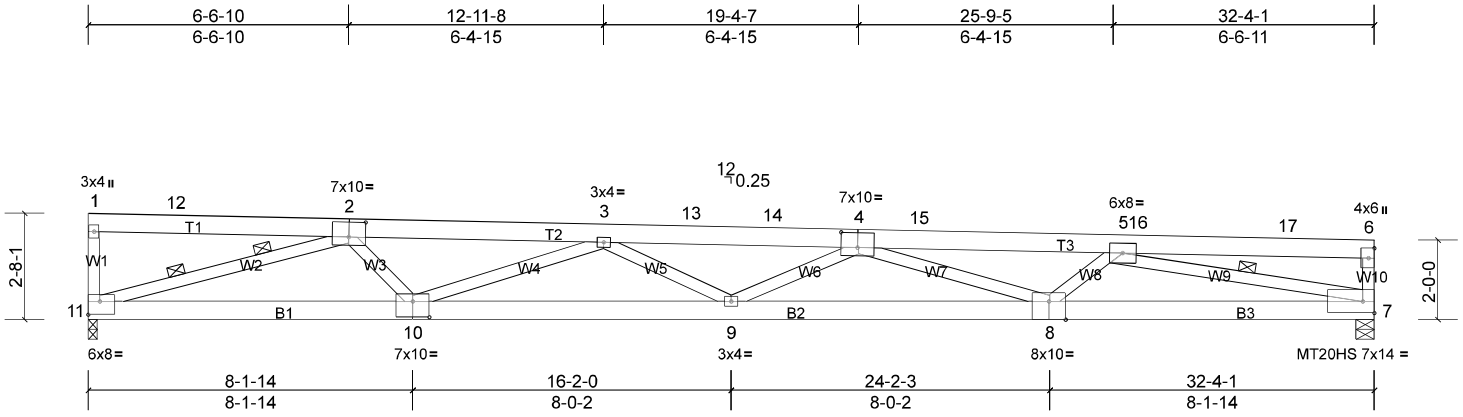


Scale = 1:54.5

Plate Offsets (X, Y): [2:0-5-0,0-4-8], [4:0-5-0,0-4-8], [8:0-5-0,Edge], [10:0-5-0,0-4-12], [11:Edge,0-4-0]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.74 | Vert(LL) | 0.44 | 8-9 | >874 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.52 | Vert(CT) | -0.82 | 8-9 | >467 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.96 | Horz(CT) | 0.12 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 207 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x6 SP No.2 |
| BOT CHORD | 2x6 SP DSS |
| WEBS | 2x4 SP No.3 *Except* W9:2x4 SP No.2 |

**REACTIONS** (lb/size) 7=1443/0-5-8, (min. 0-1-8), 11=1341/0-2-12, (min. 0-1-8)
Max Horiz 11=-85 (LC 8)
Max Uplift 7=-393 (LC 12), 11=-424 (LC 12)

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 2-6-7 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 5-0-5 oc bracing. |
| WEBS | 1 Row at midpt 5-7 |
| WEBS | 2 Rows at 1/3 pts 2-11 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

| | |
|---|---|
| TOP CHORD | 2-3=-3935/1958, 3-13=-5865/2773, 13-14=-5866/2773, 4-14=-5870/2773, 4-15=-4958/2170, 5-15=-4969/2169 |
| BOT CHORD | 10-11=-1782/3355, 9-10=-2779/5406, 8-9=-2907/6055, 7-8=-1998/4380 |
| WEBS | 2-11=-3438/1818, 5-7=-4350/1967, 2-10=-293/942, 3-10=-1592/900, 3-9=-34/537, 4-8=-1169/782, 5-8=-240/817 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=32ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 11.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 424 lb uplift at joint 11 and 393 lb uplift at joint 7.
9) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-15=-60, 15-16=-100, 6-16=-60, 7-11=-20

PRZEMYSLAW CIOLKO LICENSE No. 86424 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/14/2022

Transco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | A02 | Roof Special | 1 | 1 | **DE Job # 97901-W1** |

Builders First Source, Atlanta Components — Run: 8.53 S Jan 6 2022 Print: 8.530 S Jan 6 2022 MiTek Industries, Inc. Tue Dec 13 08:43:09 — Page: 1

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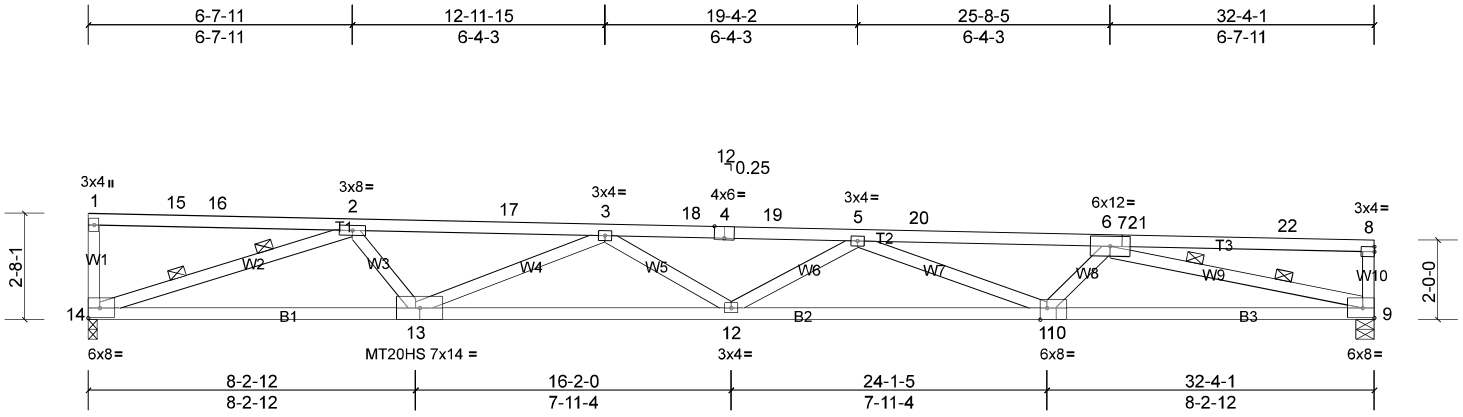


Scale = 1:54.5

Plate Offsets (X, Y): [4:0-3-0,Edge], [11:0-2-0,Edge]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.56 | Vert(LL) | 0.48 | 11-12 | >801 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.60 | Vert(CT) | -0.86 | 11-12 | >446 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.99 | Horz(CT) | 0.16 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 154 lb | FT = 15% |

**LUMBER**
TOP CHORD 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* W1:2x4 SP No.2

**REACTIONS** (lb/size) 9=1321/0-5-8, (min. 0-1-8), 14=1371/0-2-12, (min. 0-1-8)
Max Horiz 14=-91 (LC 8)
Max Uplift 9=-428 (LC 12), 14=-415 (LC 12)

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 3-3-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-11-0 oc bracing.
WEBS 2 Rows at 1/3 pts 2-14, 6-9

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-3762/1860, 3-17=-3766/1859, 3-18=-5207/2654, 4-18=-5208/2654, 4-19=-5208/2654, 5-19=-5212/2653, 5-20=-4289/2203, 6-20=-4296/2202
BOT CHORD 13-14=-1687/3272, 12-13=-2635/4955, 11-12=-2814/5221, 10-11=-2089/3854, 9-10=-2089/3854
WEBS 2-14=-3379/1734, 2-13=-312/847, 3-13=-1305/861, 3-12=-75/411, 5-11=-1008/652, 6-11=-195/714, 6-9=-3868/2086

**NOTES**
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=32ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 14.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 415 lb uplift at joint 14 and 428 lb uplift at joint 9.
9) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-16=-60, 2-16=-74, 17-20=-60, 20-21=-64, 8-21=-60, 9-14=-20
Trapezoidal Loads (lb/ft)
Vert: 2=-74-to-17=-74

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12/14/2022

Dansco Engineering, LLC
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COA: CA25948

***WARNING – VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!***
*This truss design is adequate for the design parameters shown. Review and approval of design parameters is the responsibility of the building designer, not the truss designer or truss engineer. Permanent bracing requirements against out-of-plane buckling are noted/shown for individual truss members (and for the truss as a whole) subjected to gravity and wind loads. Additional permanent bracing design shall be the responsibility of the design professional of record. Temporary and erection bracing shall be the responsibility of the contractor. Reference ANSI/TPI-1, "National Design Standard for Metal Plate Connected Wood Truss Construction" and TPI/WTCA BCSI-06, "Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining and Bracing of Metal Plate Connected Wood Trusses" for additional information.*

| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 3278724 | A03 | Roof Special | 2 | 1 | Job Reference (optional) **DE Job # 97901-W1** |

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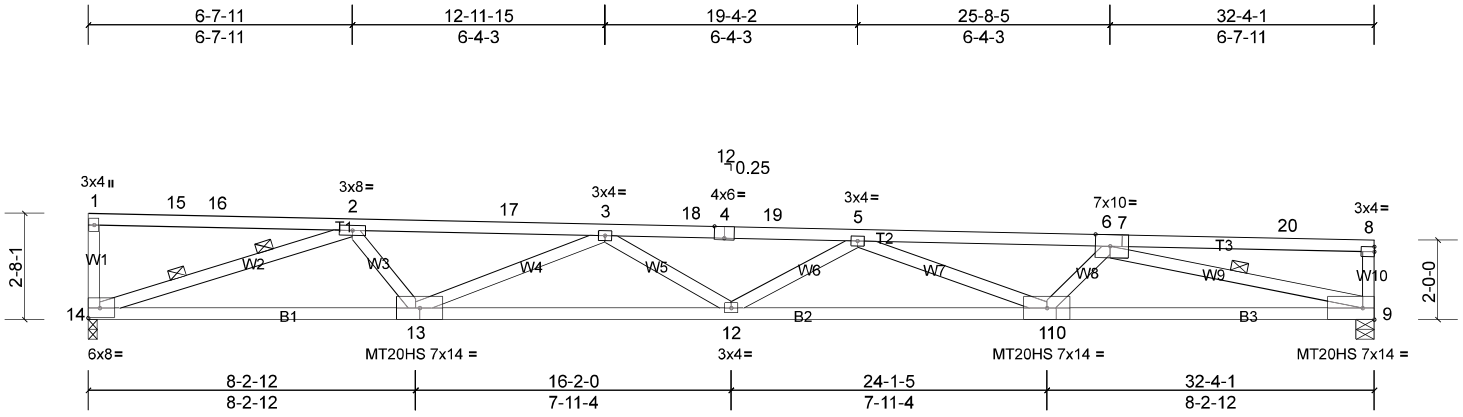


Scale = 1:54.5

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.58 | Vert(LL) | -0.50 | 12 | >768 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.64 | Vert(CT) | -0.95 | 11-12 | >405 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.96 | Horz(CT) | 0.18 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 154 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2 |
| BOT CHORD | 2x4 SP 2400F 2.0E |
| WEBS | 2x4 SP No.3 *Except* W1,W2,W9:2x4 SP No.2 |

**REACTIONS** (lb/size) 9=1390/0-5-8, (min. 0-1-8), 14=1689/0-2-12, (min. 0-1-8)
Max Horiz 14=-91 (LC 8)
Max Uplift 9=-408 (LC 12), 14=-323 (LC 12)

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-0-14 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 5-0-10 oc bracing. |
| WEBS | 1 Row at midpt 6-9 |
| WEBS | 2 Rows at 1/3 pts 2-14 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

| | |
|---|---|
| TOP CHORD | 2-17=-4585/1624, 3-17=-4590/1622, 3-18=-5836/2471, 4-18=-5839/2470, 4-19=-5840/2470, 5-19=-5843/2470, 5-6=-4601/2117 |
| BOT CHORD | 13-14=-1444/4115, 12-13=-2413/5721, 11-12=-2672/5708, 10-11=-2020/4098, 9-10=-2020/4098 |
| WEBS | 2-14=-4256/1482, 2-13=-322/820, 3-13=-1243/877, 3-12=-122/364, 5-12=0/268, 5-11=-1205/593, 6-11=-167/793, 6-9=-4122/2017 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=32ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 14.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 323 lb uplift at joint 14 and 408 lb uplift at joint 9.
9) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-16=-60, 16-17=-130, 8-17=-60, 9-14=-20

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12/14/2022

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***WARNING – VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!***

*This truss design is adequate for the design parameters shown. Review and approval of design parameters is the responsibility of the building designer, not the truss designer or truss engineer. Permanent bracing requirements against out-of-plane buckling are noted/shown for individual truss members (and for the truss as a whole) subjected to gravity and wind loads. Additional permanent bracing design shall be the responsibility of the design professional of record. Temporary and erection bracing shall be the responsibility of the contractor. Reference ANSI/TPI-1, "National Design Standard for Metal Plate Connected Wood Truss Construction" and TPI/WTCA BCSI-06, "Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining and Bracing of Metal Plate Connected Wood Trusses" for additional information.*

| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 3278724 | A04 | Roof Special | 1 | 1 | Job Reference (optional) **DE Job # 97901-W1** |

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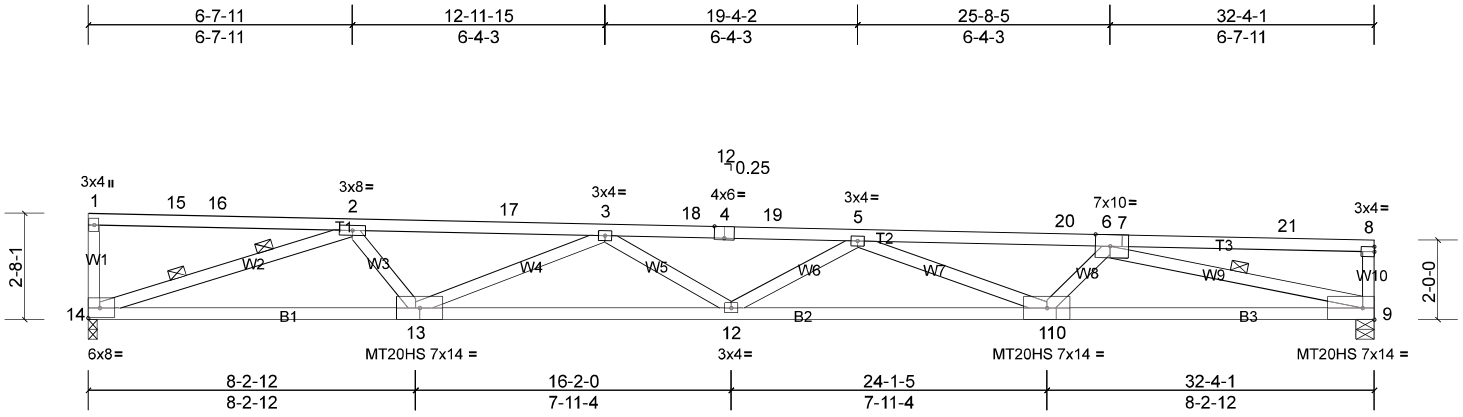


Scale = 1:54.5

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.56 | Vert(LL) | 0.48 | 11-12 | >808 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.62 | Vert(CT) | -0.91 | 11-12 | >423 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.97 | Horz(CT) | 0.17 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 154 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2 |
| BOT CHORD | 2x4 SP 2400F 2.0E |
| WEBS | 2x4 SP No.3 *Except* W1,W9:2x4 SP No.2 |

**REACTIONS** (lb/size) 9=1403/0-5-8, (min. 0-1-8), 14=1475/0-2-12, (min. 0-1-8)
Max Horiz 14=-91 (LC 8)
Max Uplift 9=-404 (LC 12), 14=-385 (LC 12)

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-2-0 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 4-11-15 oc bracing. |
| WEBS | 1 Row at midpt 6-9 |
| WEBS | 2 Rows at 1/3 pts 2-14 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

| | |
|---|---|
| TOP CHORD | 2-17=-4048/1777, 3-17=-4053/1776, 3-18=-5508/2567, 4-18=-5509/2566, 4-19=-5510/2566, 5-19=-5514/2566, 5-20=-4583/2121, 6-20=-4589/2120 |
| BOT CHORD | 13-14=-1606/3552, 12-13=-2546/5265, 11-12=-2729/5513, 10-11=-2006/4146, 9-10=-2006/4146 |
| WEBS | 2-14=-3670/1650, 2-13=-308/858, 3-13=-1332/853, 3-12=-78/408, 5-11=-1008/650, 6-11=-195/714, 6-9=-4172/2003 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=32ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 14.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 385 lb uplift at joint 14 and 404 lb uplift at joint 9.
9) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-16=-60, 17-20=-60, 7-20=-127, 7-8=-60, 9-14=-20
   Trapezoidal Loads (lb/ft)
   Vert: 16=-90-to-2=-90, 2=-90-to-17=-90

PRZEMYSLAW CIOLKO LICENSE No. 86421 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/14/2022

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| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 3278724 | A05 | Roof Special | 1 | 1 | Job Reference (optional) **DE Job # 97901-W1** |

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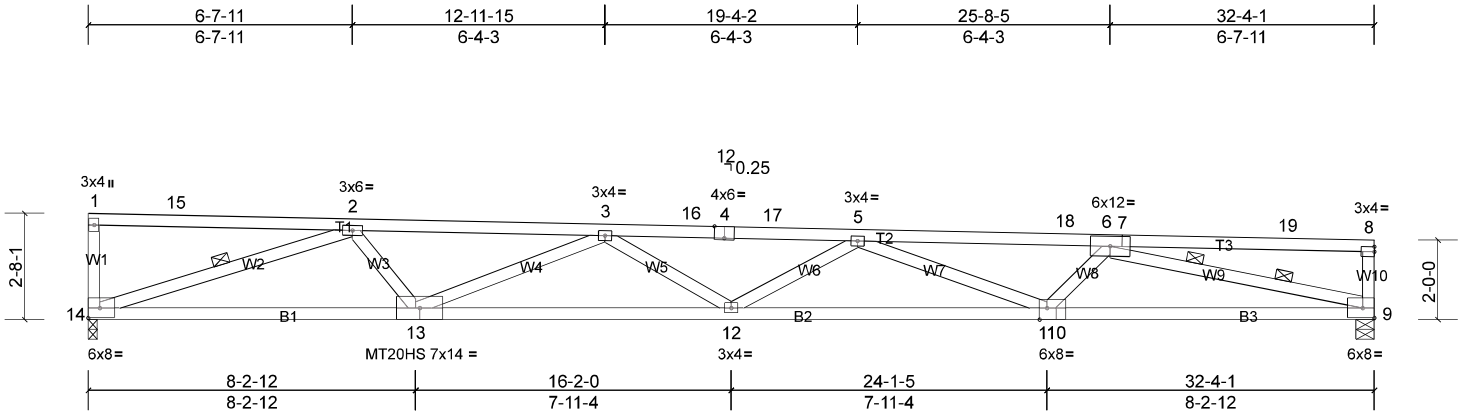


Scale = 1:54.5

Plate Offsets (X, Y): [4:0-3-0,Edge], [11:0-2-4,Edge]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.56 | Vert(LL) | 0.48 | 11-12 | >801 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.58 | Vert(CT) | -0.83 | 11-12 | >461 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.97 | Horz(CT) | 0.15 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 154 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2 |
| BOT CHORD | 2x4 SP 2400F 2.0E |
| WEBS | 2x4 SP No.3 *Except* W1:2x4 SP No.2 |

**REACTIONS** (lb/size) 9=1300/0-5-8, (min. 0-1-8), 14=1287/0-2-12, (min. 0-1-8)
Max Horiz 14=-91 (LC 8)
Max Uplift 9=-434 (LC 12), 14=-439 (LC 12)

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-3-14 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 4-10-7 oc bracing. |
| WEBS | 1 Row at midpt 2-14 |
| WEBS | 2 Rows at 1/3 pts 6-9 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

| | |
|---|---|
| TOP CHORD | 2-3=-3545/1923, 3-16=-5021/2708, 4-16=-5022/2707, 4-17=-5022/2707, 5-17=-5026/2707, 5-18=-4194/2231, 6-18=-4199/2230 |
| BOT CHORD | 13-14=-1752/3048, 12-13=-2697/4742, 11-12=-2859/5065, 10-11=-2111/3776, 9-10=-2111/3776 |
| WEBS | 2-14=-3147/1801, 2-13=-310/852, 3-13=-1314/858, 3-12=-66/420, 5-11=-944/671, 6-11=-204/705, 6-9=-3788/2109 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=32ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 14.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 439 lb uplift at joint 14 and 434 lb uplift at joint 9.
9) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-18=-60, 7-18=-76, 7-8=-60, 9-14=-20

PRZEMYSLAW CIOLKO LICENSE No. 86421 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

***WARNING – VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!***

*This truss design is adequate for the design parameters shown. Review and approval of design parameters is the responsibility of the building designer, not the truss designer or truss engineer. Permanent bracing requirements against out-of-plane buckling are noted/shown for individual truss members (and for the truss as a whole) subjected to gravity and wind loads. Additional permanent bracing design shall be the responsibility of the design professional of record. Temporary and erection bracing shall be the responsibility of the contractor. Reference ANSI/TPI-1, "National Design Standard for Metal Plate Connected Wood Truss Construction" and TPI/WTCA BCSI-06, "Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining and Bracing of Metal Plate Connected Wood Trusses" for additional information.*

| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 3278724 | A06 | Roof Special | 1 | 1 | Job Reference (optional) **DE Job # 97901-W1** |

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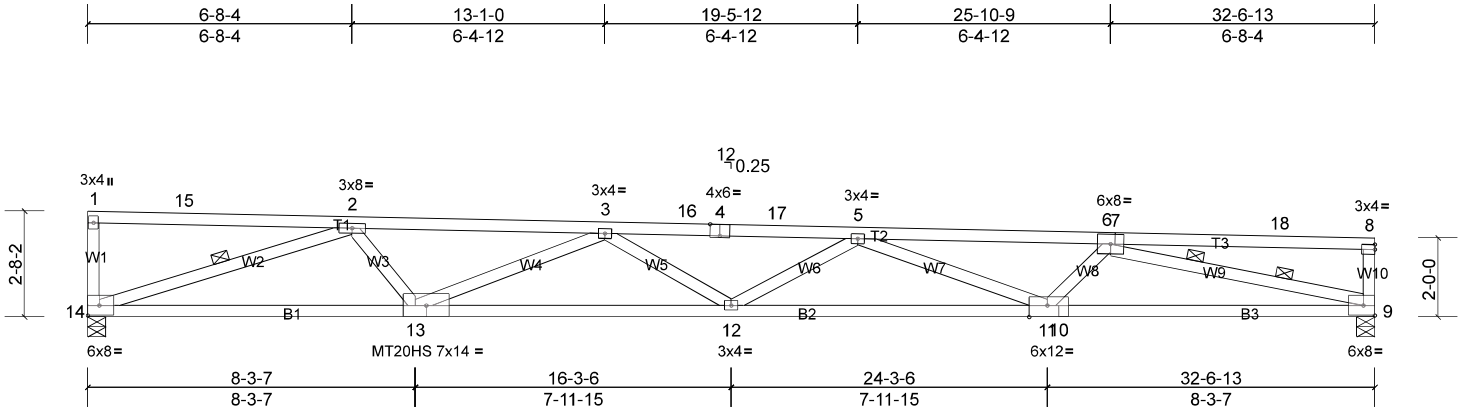


Scale = 1:54.9

Plate Offsets (X, Y): [4:0-3-0,Edge], [11:0-5-8,Edge]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.57 | Vert(LL) | 0.49 | 11-12 | >786 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.58 | Vert(CT) | -0.85 | 11-12 | >457 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.97 | Horz(CT) | 0.15 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 155 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2 |
| BOT CHORD | 2x4 SP 2400F 2.0E |
| WEBS | 2x4 SP No.3 *Except* W1:2x4 SP No.2 |

**REACTIONS** (lb/size) 9=1291/0-5-8, (min. 0-1-8), 14=1291/0-5-8, (min. 0-1-8)
Max Horiz 14=-91 (LC 8)
Max Uplift 9=-442 (LC 12), 14=-444 (LC 12)

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-3-11 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 4-10-1 oc bracing. |
| WEBS | 1 Row at midpt 2-14 |
| WEBS | 2 Rows at 1/3 pts 6-9 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

| | |
|---|---|
| TOP CHORD | 2-3=-3572/1942, 3-16=-5047/2740, 4-16=-5048/2740, 4-17=-5048/2740, 5-17=-5052/2739, 5-6=-4194/2266 |
| BOT CHORD | 13-14=-1768/3072, 12-13=-2726/4773, 11-12=-2896/5083, 10-11=-2146/3761, 9-10=-2146/3761 |
| WEBS | 2-14=-3169/1817, 2-13=-313/854, 3-13=-1317/868, 3-12=-68/423, 5-11=-968/673, 6-11=-203/714, 6-9=-3770/2143 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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 3-06-00 tall by 2-00-00 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 444 lb uplift at joint 14 and 442 lb uplift at joint 9.

**LOAD CASE(S)** Standard

PRZEMYSLAW CIOLKO LICENSE No. 86421 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | A07 | Roof Special | 1 | 1 | DE Job # 97901-W1 |

Builders First Source, Atlanta Components

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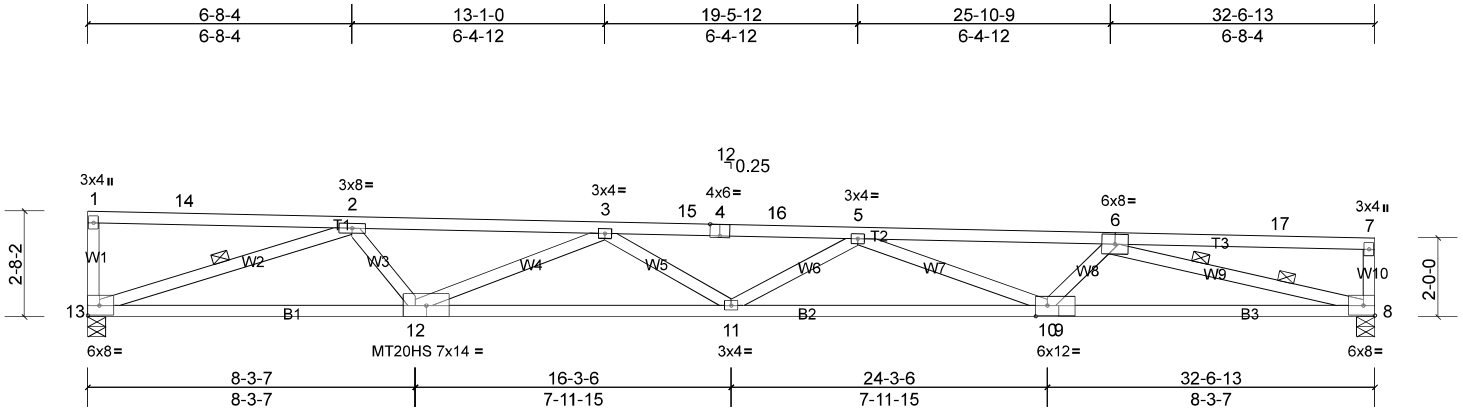


Scale = 1:54.9

Plate Offsets (X, Y): [4:0-3-0,Edge], [10:0-3-8,0-3-4]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.50 | Vert(LL) | 0.49 | 10-11 | >794 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.58 | Vert(CT) | -0.84 | 10-11 | >460 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.97 | Horz(CT) | 0.15 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 155 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2 |
| BOT CHORD | 2x4 SP 2400F 2.0E |
| WEBS | 2x4 SP No.3 *Except* W1,W10:2x4 SP No.2 |

**REACTIONS** (lb/size) 8=1294/0-5-8, (min. 0-1-8), 13=1294/0-5-8, (min. 0-1-8)
Max Horiz 13=-91 (LC 8)
Max Uplift 8=-441 (LC 12), 13=-443 (LC 12)

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-3-12 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 4-10-2 oc bracing. |
| WEBS | 1 Row at midpt 2-13 |
| WEBS | 2 Rows at 1/3 pts 6-8 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

| | |
|---|---|
| TOP CHORD | 2-3=-3584/1938, 3-15=-5067/2735, 4-15=-5069/2735, 4-16=-5069/2735, 5-16=-5073/2734, 5-6=-4189/2247 |
| BOT CHORD | 12-13=-1765/3082, 11-12=-2717/4791, 10-11=-2896/5107, 9-10=-2100/3684, 8-9=-2100/3684 |
| WEBS | 2-13=-3179/1814, 2-12=-310/858, 3-12=-1325/863, 3-11=-71/423, 5-10=-999/693, 6-10=-227/761, 6-8=-3703/2106 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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 3-06-00 tall by 2-00-00 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 443 lb uplift at joint 13 and 441 lb uplift at joint 8.
8) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-4=-62, 4-7=-60, 8-13=-20

PRZEMYSLAW CIOLKO LICENSE No. 86424 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

***WARNING – VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!***

*This truss design is adequate for the design parameters shown. Review and approval of design parameters is the responsibility of the building designer, not the truss designer or truss engineer. Permanent bracing requirements against out-of-plane buckling are noted/shown for individual truss members (and for the truss as a whole) subjected to gravity and wind loads. Additional permanent bracing design shall be the responsibility of the design professional of record. Temporary and erection bracing shall be the responsibility of the contractor. Reference ANSI/TPI-1, "National Design Standard for Metal Plate Connected Wood Truss Construction" and TPI/WTCA BCSI-06, "Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining and Bracing of Metal Plate Connected Wood Trusses" for additional information.*

| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | A08 | Roof Special | 2 | 1 | **DE Job # 97901-W1** |

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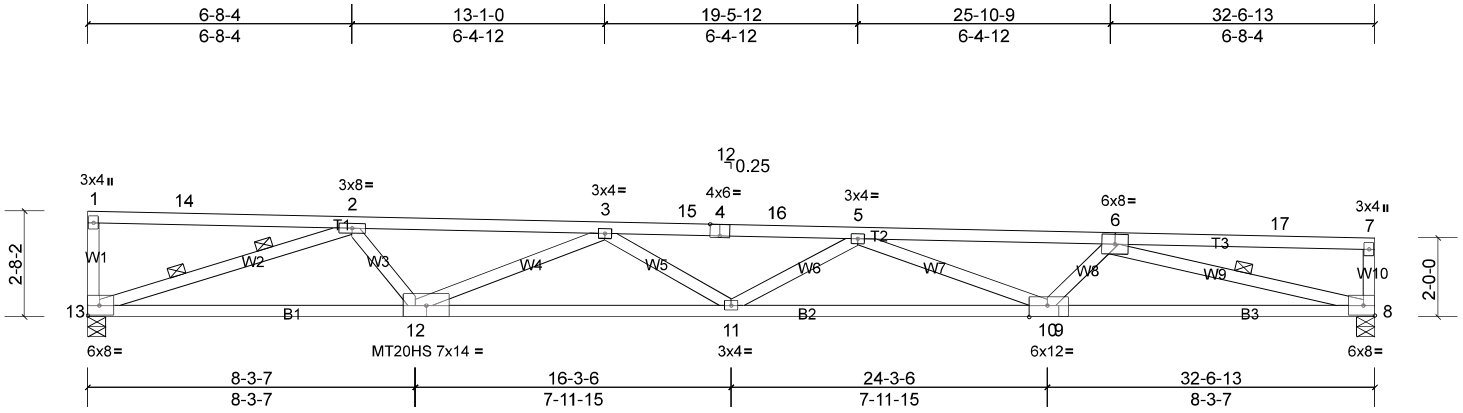


Scale = 1:54.9

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.72 | Vert(LL) | 0.49 | 10-11 | >799 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.62 | Vert(CT) | -0.90 | 10-11 | >430 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.91 | Horz(CT) | 0.17 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 155 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2 |
| BOT CHORD | 2x4 SP 2400F 2.0E |
| WEBS | 2x4 SP No.3 *Except* W1,W10,W9:2x4 SP No.2 |

**REACTIONS** (lb/size) 8=1356/0-5-8, (min. 0-1-8), 13=1372/0-5-8, (min. 0-1-8)
Max Horiz 13=-91 (LC 8)
Max Uplift 8=-419 (LC 12), 13=-415 (LC 12)

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 2-10-2 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 4-11-13 oc bracing. |
| WEBS | 1 Row at midpt 6-8 |
| WEBS | 2 Rows at 1/3 pts 2-13 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

| | |
|---|---|
| TOP CHORD | 2-3=-3868/1836, 3-15=-5526/2571, 4-15=-5528/2569, 4-16=-5528/2569, 5-16=-5532/2569, 5-6=-4460/2151 |
| BOT CHORD | 12-13=-1687/3299, 11-12=-2538/5287, 10-11=-2744/5527, 9-10=-2026/3897, 8-9=-2026/3897 |
| WEBS | 2-13=-3406/1733, 2-12=-269/973, 3-12=-1557/780, 3-11=-87/407, 5-10=-1160/633, 6-10=-196/820, 6-8=-3924/2032 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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 3-06-00 tall by 2-00-00 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 415 lb uplift at joint 13 and 419 lb uplift at joint 8.
8) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-4=-110, 4-7=-60, 8-13=-20

PRZEMYSLAW CIOLKO LICENSE No. 86424 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

***WARNING – VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!***

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| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | A09 | Roof Special | 1 | 1 | DE Job # 97901-W1 |

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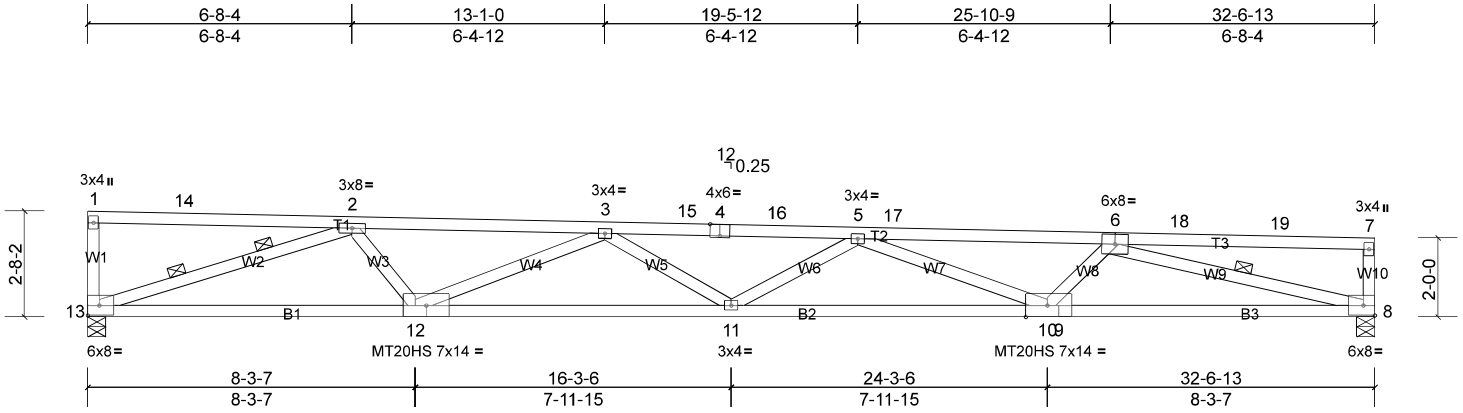


Scale = 1:54.9

Plate Offsets (X, Y): [4:0-3-0,Edge], [10:0-6-8,Edge]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.71 | Vert(LL) | 0.49 | 10-11 | >799 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.64 | Vert(CT) | -0.92 | 10-11 | >421 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.95 | Horz(CT) | 0.17 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 155 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x4 SP 2400F 2.0E |
| BOT CHORD | 2x4 SP 2400F 2.0E |
| WEBS | 2x4 SP No.3 *Except* W1,W10,W9:2x4 SP No.2 |

**REACTIONS** (lb/size) 8=1396/0-5-8, (min. 0-1-8), 13=1386/0-5-8, (min. 0-1-8)
Max Horiz 13=-91 (LC 8)
Max Uplift 8=-407 (LC 12), 13=-411 (LC 12)

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 2-10-0 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 5-0-4 oc bracing. |
| WEBS | 1 Row at midpt 6-8 |
| WEBS | 2 Rows at 1/3 pts 2-13 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

| | |
|---|---|
| TOP CHORD | 2-3=-3920/1821, 3-15=-5642/2538, 4-15=-5643/2536, 4-16=-5644/2536, 5-16=-5648/2536, 5-17=-4589/2107, 6-17=-4598/2106 |
| BOT CHORD | 12-13=-1675/3341, 11-12=-2513/5372, 10-11=-2703/5675, 9-10=-1980/4031, 8-9=-1980/4031 |
| WEBS | 2-13=-3450/1720, 2-12=-264/990, 3-12=-1592/769, 3-11=-77/418, 5-10=-1172/637, 6-10=-199/825, 6-8=-4060/1985 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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 3-06-00 tall by 2-00-00 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 411 lb uplift at joint 13 and 407 lb uplift at joint 8.
8) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (lb/ft)
   Vert: 1-3=-60, 3-4=-110, 4-17=-60, 6-18=-68, 7-18=-60, 8-13=-20
   Trapezoidal Loads (lb/ft)
   Vert: 17=-68-to-6=-68

PRZEMYSLAW CIOLKO LICENSE No. 86421 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

***WARNING – VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!***

*This truss design is adequate for the design parameters shown. Review and approval of design parameters is the responsibility of the building designer, not the truss designer or truss engineer. Permanent bracing requirements against out-of-plane buckling are noted/shown for individual truss members (and for the truss as a whole) subjected to gravity and wind loads. Additional permanent bracing design shall be the responsibility of the design professional of record. Temporary and erection bracing shall be the responsibility of the contractor. Reference ANSI/TPI-1, "National Design Standard for Metal Plate Connected Wood Truss Construction" and TPI/WTCA BCSI-06, "Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining and Bracing of Metal Plate Connected Wood Trusses" for additional information.*

| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 3278724 | A10 | Roof Special | 3 | 1 | Job Reference (optional) **DE Job # 97901-W1** |

Builders First Source, Atlanta Components — Run: 8.53 S Jan 6 2022 Print: 8.530 S Jan 6 2022 MiTek Industries, Inc. Tue Dec 13 08:43:13 — Page: 1

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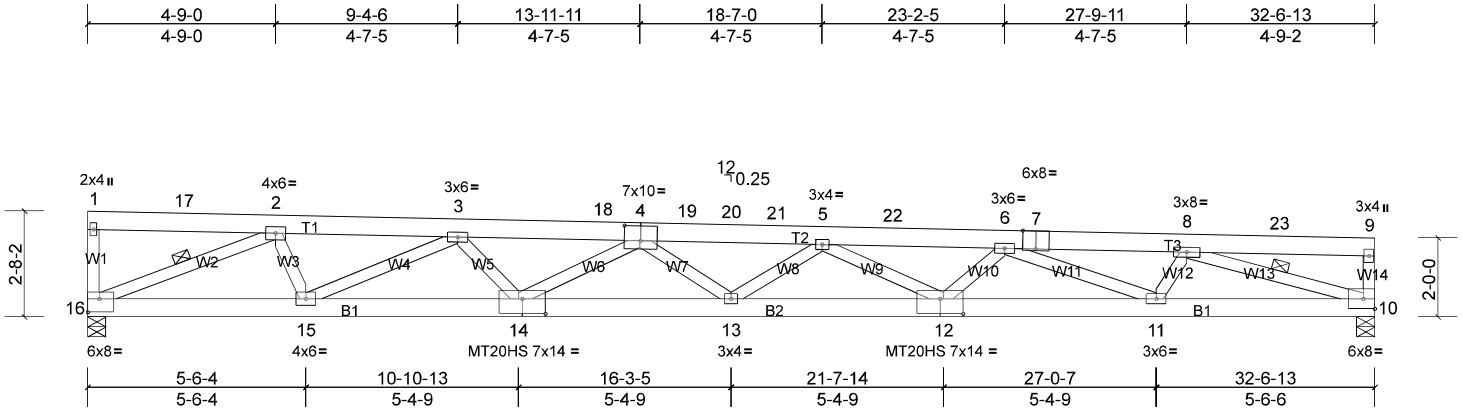


Scale = 1:54.9

Plate Offsets (X, Y): [4:0-5-0,0-4-8], [7:0-4-0,Edge], [12:0-7-0,0-4-8], [14:0-7-0,0-4-8], [16:Edge,0-4-0]

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.60 | Vert(LL) | -0.49 | 12-13 | >792 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.58 | Vert(CT) | -0.90 | 12-13 | >432 | 180 | MT20HS | 187/143 |
| BCLL | 0.0* | Rep Stress Incr | NO | WB | 0.99 | Horz(CT) | 0.14 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 212 lb | FT = 15% |

**LUMBER**
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.3 *Except* W1,W14:2x4 SP No.2

**REACTIONS** (lb/size) 10=1719/0-5-8, (min. 0-1-12), 16=1504/0-5-8, (min. 0-1-8)
Max Horiz 16=-86 (LC 8)
Max Uplift 10=-313 (LC 12), 16=-376 (LC 12)

**BRACING**
TOP CHORD Structural wood sheathing directly applied or 2-4-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-5-1 oc bracing.
WEBS 1 Row at midpt 2-16, 8-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3244/1337, 3-18=-5687/2153, 4-18=-5690/2153, 4-19=-7053/2458, 19-20=-7055/2457, 20-21=-7056/2457, 5-21=-7058/2457, 5-22=-6968/2234, 6-22=-6975/2234, 6-7=-4661/1465, 7-8=-4670/1464
BOT CHORD 15-16=-1223/2851, 14-15=-2045/5107, 13-14=-2467/6728, 12-13=-2539/7267, 11-12=-2137/6710, 10-11=-1361/4210
WEBS 2-15=-325/1143, 2-16=-3077/1302, 3-15=-2109/816, 3-14=-191/959, 4-14=-1230/378, 4-13=-31/425, 5-13=-273/121, 5-12=-349/338, 6-12=-168/435, 6-11=-2245/739, 8-11=-243/1071, 8-10=-4299/1366

**NOTES**
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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 3-06-00 tall by 2-00-00 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 376 lb uplift at joint 16 and 313 lb uplift at joint 10.
8) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-18=-60, 18-20=-110, 20-22=-60, 8-22=-124, 8-9=-60, 10-16=-20

PRZEMYSLAW CIOLKO LICENSE No. 86421 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

***WARNING – VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!***
*This truss design is adequate for the design parameters shown. Review and approval of design parameters is the responsibility of the building designer, not the truss designer or truss engineer. Permanent bracing requirements against out-of-plane buckling are noted/shown for individual truss members (and for the truss as a whole) subjected to gravity and wind loads. Additional permanent bracing design shall be the responsibility of the design professional of record. Temporary and erection bracing shall be the responsibility of the contractor. Reference ANSI/TPI-1, "National Design Standard for Metal Plate Connected Wood Truss Construction" and TPI/WTCA BCSI-06, "Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining and Bracing of Metal Plate Connected Wood Trusses" for additional information.*

| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | A11 | Roof Special | 1 | 1 | DE Job # 97901-W1 |

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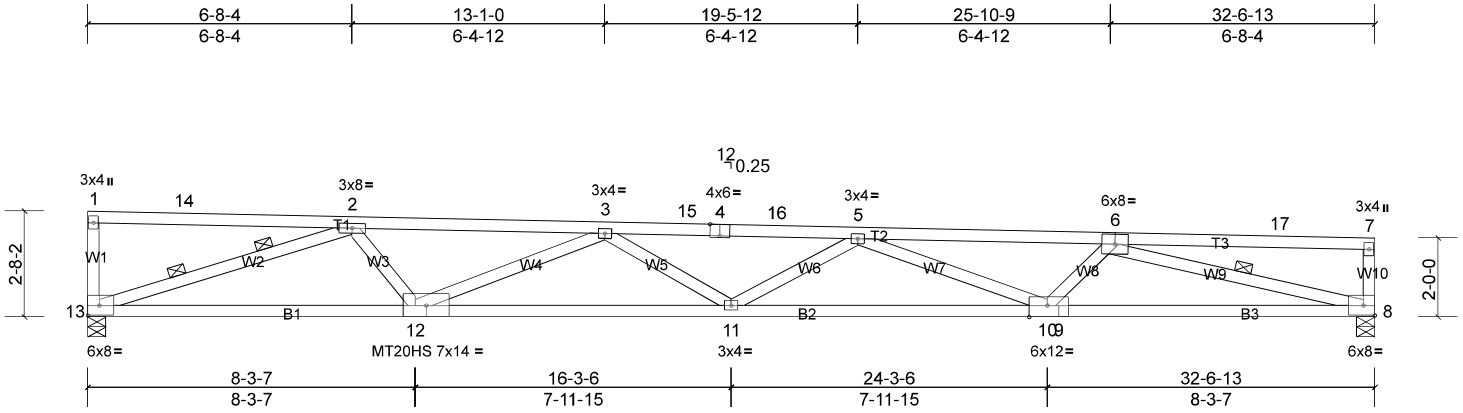


Scale = 1:54.9

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.65 | Vert(LL) | 0.49 | 10-11 | >799 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.61 | Vert(CT) | -0.88 | 10-11 | >440 | 180 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.90 | Horz(CT) | 0.16 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 155 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x4 SP 2400F 2.0E *Except* T3:2x4 SP No.2 |
| BOT CHORD | 2x4 SP 2400F 2.0E |
| WEBS | 2x4 SP No.3 *Except* W1,W10,W9:2x4 SP No.2 |

**REACTIONS** (lb/size) 8=1338/0-5-8, (min. 0-1-8), 13=1349/0-5-8, (min. 0-1-8)
Max Horiz 13=-91 (LC 8)
Max Uplift 8=-426 (LC 12), 13=-423 (LC 12)

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 4-11-4 oc bracing. |
| WEBS | 1 Row at midpt 6-8 |
| WEBS | 2 Rows at 1/3 pts 2-13 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

| | |
|---|---|
| TOP CHORD | 2-3=-3785/1866, 3-15=-5392/2619, 4-15=-5394/2617, 4-16=-5394/2617, 5-16=-5398/2617, 5-6=-4381/2179 |
| BOT CHORD | 12-13=-1710/3236, 11-12=-2590/5143, 10-11=-2788/5405, 9-10=-2048/3836, 8-9=-2048/3836 |
| WEBS | 2-13=-3340/1757, 2-12=-281/939, 3-12=-1489/804, 3-11=-83/412, 5-10=-1112/650, 6-10=-205/795, 6-8=-3861/2054 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=33ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates 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 3-06-00 tall by 2-00-00 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 423 lb uplift at joint 13 and 426 lb uplift at joint 8.
8) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)
Vert: 1-3=-60, 3-4=-96, 4-7=-60, 8-13=-20

PRZEMYSLAW CIOLKO LICENSE No. 86424 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/14/2022


Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | B01 | Roof Special | 6 | 1 | DE Job # 97901-W1 |

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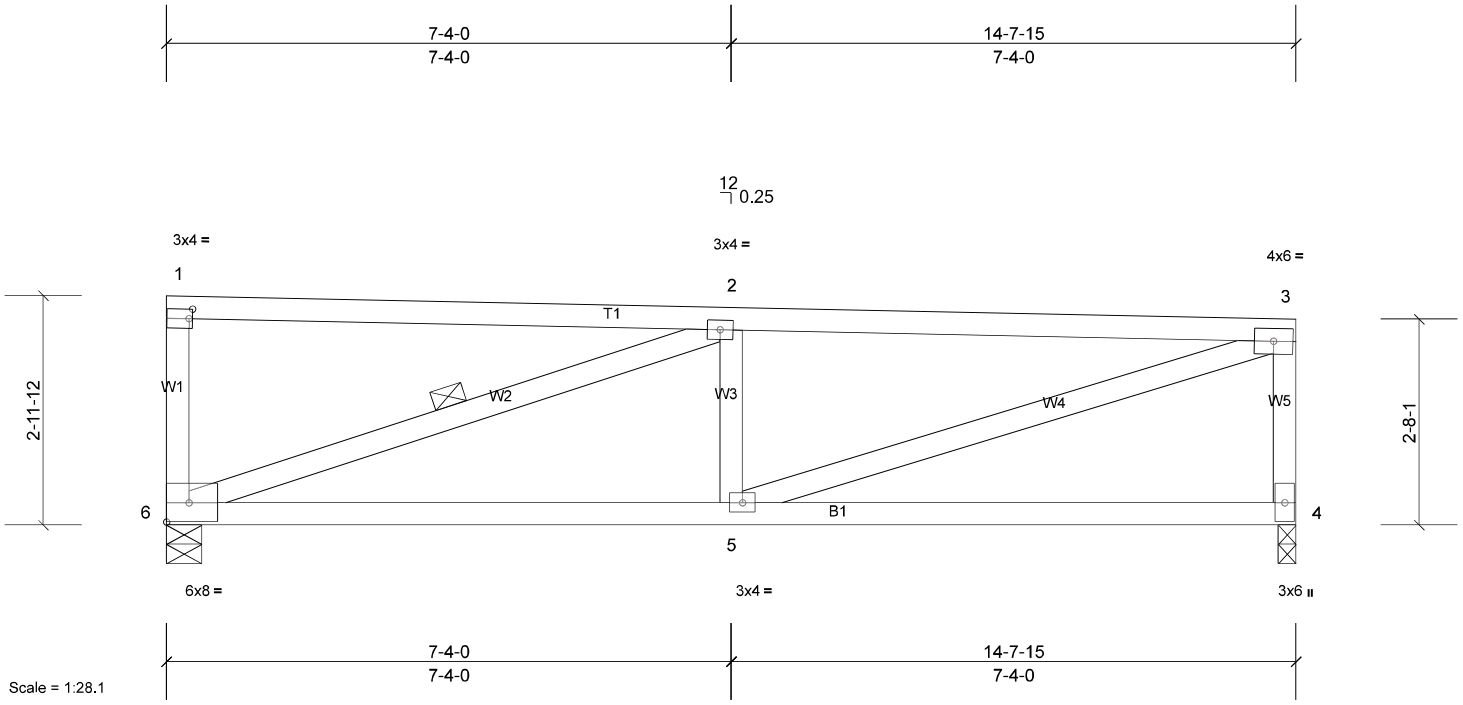


Scale = 1:28.1

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.91 | Vert(LL) | -0.06 | 5-6 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.63 | Vert(CT) | -0.14 | 5-6 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.96 | Horz(CT) | 0.01 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 75 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* W1,W5:2x4 SP No.2 |

**REACTIONS** (lb/size) 4=575/0-2-12, (min. 0-1-8), 6=575/0-5-8, (min. 0-1-8)
Max Horiz 6=-95 (LC 8)
Max Uplift 4=-202 (LC 9), 6=-207 (LC 8)

**BRACING**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 4-11-2 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-5 oc bracing. |
| WEBS | 1 Row at midpt 2-6 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

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

| | |
|---|---|
| TOP CHORD | 2-3=-978/878, 3-4=-508/547 |
| BOT CHORD | 5-6=-930/974 |
| WEBS | 2-6=-974/925, 2-5=-147/375, 3-5=-887/958 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=15ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 207 lb uplift at joint 6 and 202 lb uplift at joint 4.

**LOAD CASE(S)** Standard


12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | F01 | Flat | 1 | 1 | DE Job # 97901-W1 |

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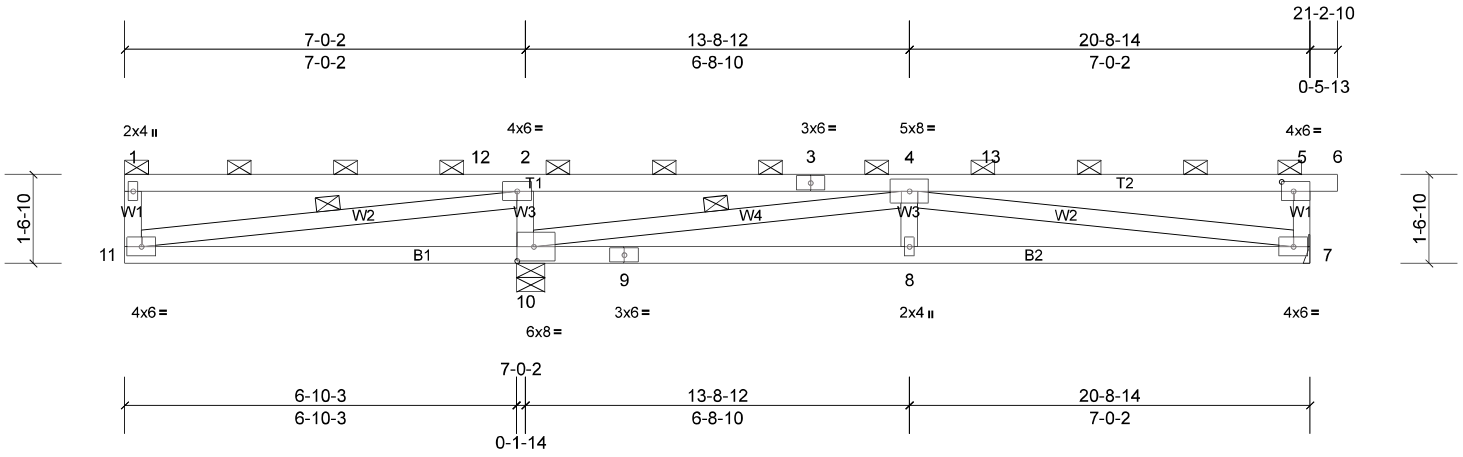



Scale = 1:37.9

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.83 | Vert(LL) | 0.09 | 8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.74 | Vert(CT) | -0.18 | 7-8 | >921 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.70 | Horz(CT) | 0.02 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 98 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x4 SP 2400F 2.0E *Except* T2:2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* W3:2x4 SP No.2 |

**REACTIONS** (lb/size) 7=443/ Mechanical, (min. 0-1-8), 10=1230/0-6-0, (min. 0-1-8)
Max Horiz 10=-40 (LC 10)
Max Uplift 7=-209 (LC 9), 10=-638 (LC 12)

**BRACING**

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

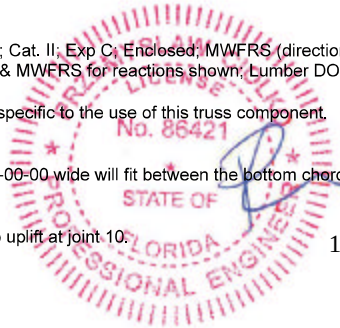
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 2-3=-1851/1091, 3-4=-1851/1091, 5-7=-252/278 |
| BOT CHORD | 10-11=-1091/1861, 9-10=-484/942, 8-9=-484/942, 7-8=-484/942 |
| WEBS | 2-11=-1996/1171, 2-10=-690/913, 4-10=-1972/1872, 4-8=0/262, 4-7=-764/393 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=21ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 209 lb uplift at joint 7 and 638 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard




12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | F02 | Flat | 1 | 1 | DE Job # 97901-W1 |

Builders First Source, Atlanta Components

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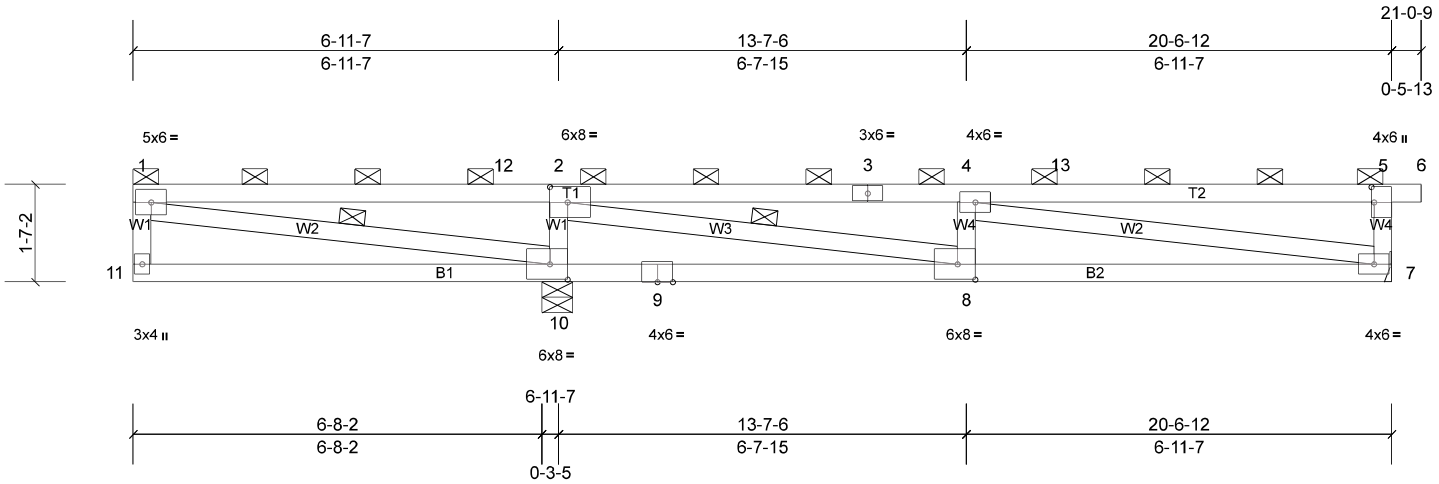



Scale = 1:35.4

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.80 | Vert(LL) | 0.08 | 8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.78 | Vert(CT) | -0.16 | 7-8 | >985 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.79 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 97 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x4 SP 2400F 2.0E *Except* T2:2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* W1:2x4 SP No.2 |

**BRACING**

| | |
|---|---|
| TOP CHORD | 2-0-0 oc purlins (5-11-1 max.): 1-6, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 5-4-12 oc bracing. |
| WEBS | 1 Row at midpt 1-10, 2-8 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 7=440/ Mechanical, (min. 0-1-8), 10=1220/0-6-0, (min. 0-1-8)
Max Horiz 10=-41 (LC 10)
Max Uplift 7=-207 (LC 9), 10=-632 (LC 12)

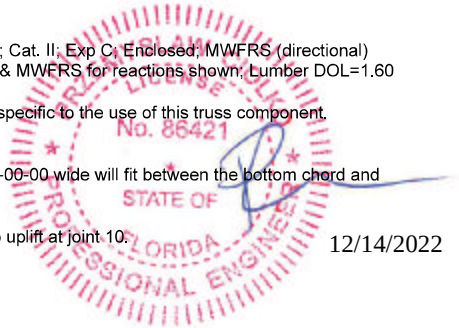
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-12=-1780/1047, 2-12=-1780/1047, 2-3=-905/441, 3-4=-905/441, 5-7=-249/276 |
| BOT CHORD | 9-10=-1047/1832, 8-9=-1047/1832, 7-8=-465/904 |
| WEBS | 1-10=-1128/1930, 2-10=-836/894, 2-8=-1805/1896, 4-8=-253/482, 4-7=-741/381 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=21ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 207 lb uplift at joint 7 and 632 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard




12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 3278724 | F03 | Flat | 1 | 1 | Job Reference (optional) **DE Job # 97901-W1** |

Builders First Source, Atlanta Components

Run: 8.53 S Jan 6 2022 Print: 8.530 S Jan 6 2022 MiTek Industries, Inc. Tue Dec 13 08:43:14 Page: 1

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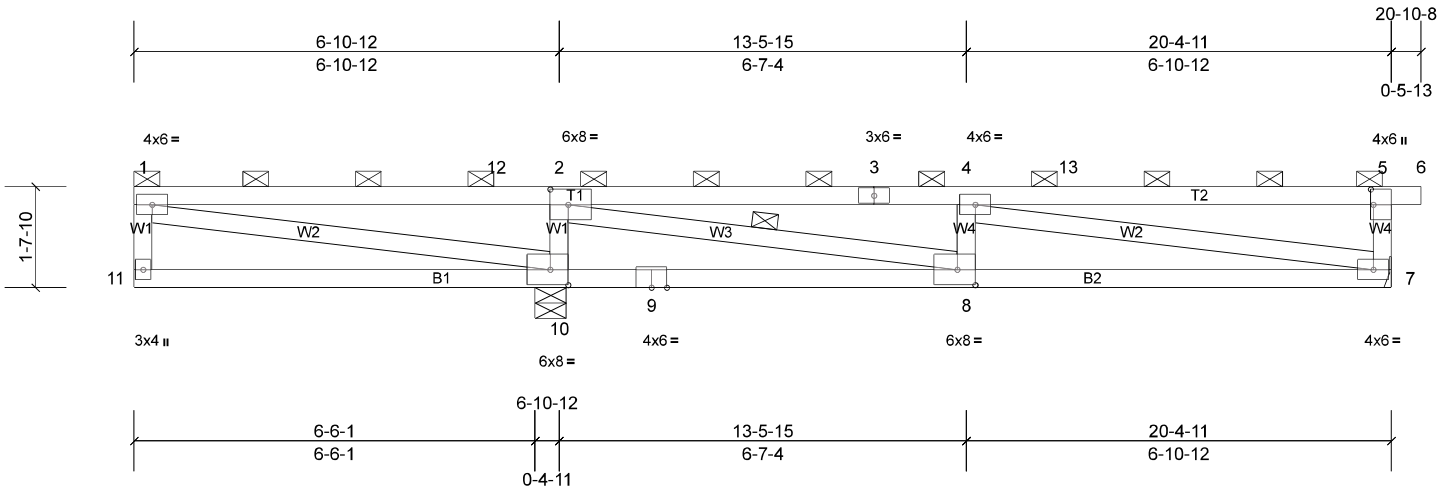



Scale = 1:35.2

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 1.00 | Vert(LL) | 0.08 | 8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.77 | Vert(CT) | -0.16 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.99 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 97 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* W1:2x4 SP No.2 |

**BRACING**

| | |
|---|---|
| TOP CHORD | 2-0-0 oc purlins (3-10-4 max.): 1-6, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 5-5-15 oc bracing. |
| WEBS | 1 Row at midpt 2-8 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 7=436/ Mechanical, (min. 0-1-8), 10=1209/0-6-0, (min. 0-1-8)
Max Horiz 10=42 (LC 11)
Max Uplift 7=-206 (LC 9), 10=-627 (LC 12)

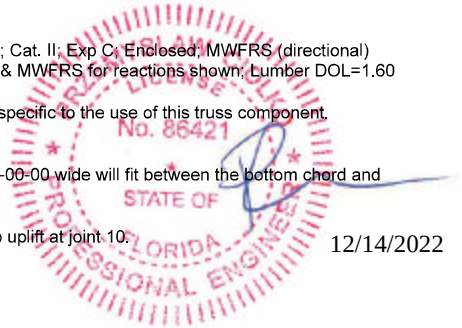
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-12=-1727/1014, 2-12=-1727/1014, 2-3=-870/425, 3-4=-870/425, 5-7=-244/273 |
| BOT CHORD | 9-10=-1014/1780, 8-9=-1014/1780, 7-8=-450/870 |
| WEBS | 1-10=-1105/1886, 2-10=-823/883, 2-8=-1763/1835, 4-8=-256/487, 4-7=-720/372 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=20ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 206 lb uplift at joint 7 and 627 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard




12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

***WARNING – VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!***

*This truss design is adequate for the design parameters shown. Review and approval of design parameters is the responsibility of the building designer, not the truss designer or truss engineer. Permanent bracing requirements against out-of-plane buckling are noted/shown for individual truss members (and for the truss as a whole) subjected to gravity and wind loads. Additional permanent bracing design shall be the responsibility of the design professional of record. Temporary and erection bracing shall be the responsibility of the contractor. Reference ANSI/TPI-1, "National Design Standard for Metal Plate Connected Wood Truss Construction" and TPI/WTCA BCSI-06, "Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining and Bracing of Metal Plate Connected Wood Trusses" for additional information.*

| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | F04 | Flat | 1 | 1 | DE Job # 97901-W1 |

Builders First Source, Atlanta Components

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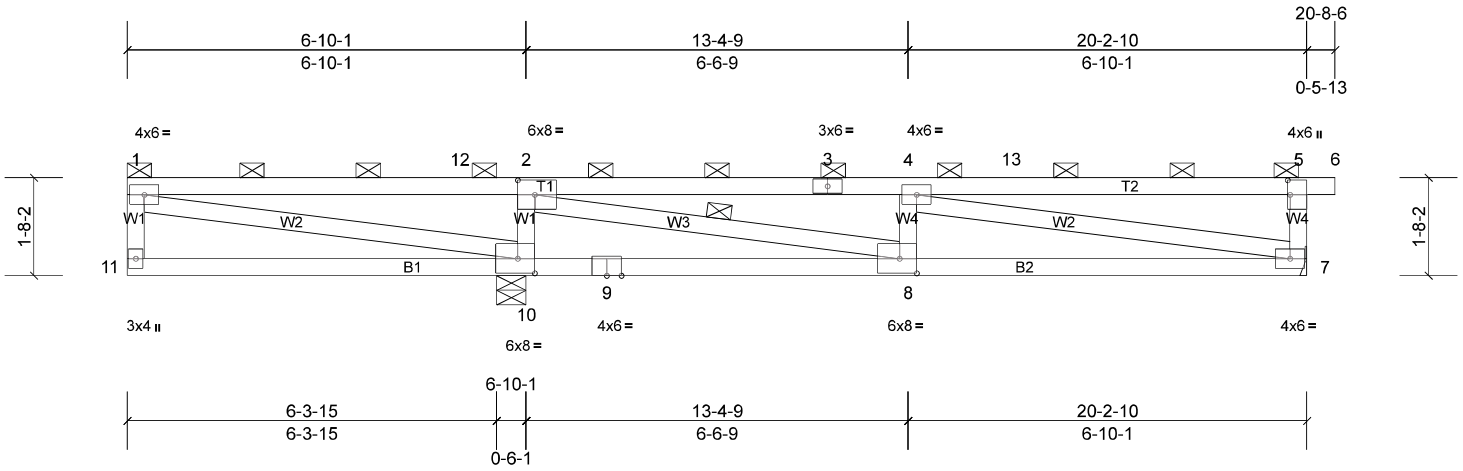



Scale = 1:37.2

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.96 | Vert(LL) | 0.07 | 8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.74 | Vert(CT) | -0.15 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.94 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 96 lb | FT = 15% |

**LUMBER**

| | |
|---|---|
| TOP CHORD | 2x4 SP No.2 |
| BOT CHORD | 2x4 SP No.2 |
| WEBS | 2x4 SP No.3 *Except* W1:2x4 SP No.2 |

**BRACING**

| | |
|---|---|
| TOP CHORD | 2-0-0 oc purlins (3-11-12 max.): 1-6, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 5-7-10 oc bracing. |
| WEBS | 1 Row at midpt 2-8 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 7=433/ Mechanical, (min. 0-1-8), 10=1199/0-6-0, (min. 0-1-8)
Max Horiz 10=-44 (LC 10)
Max Uplift 7=-204 (LC 9), 10=-622 (LC 12)

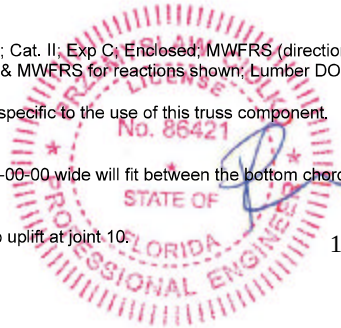
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-12=-1661/971, 2-12=-1661/971, 2-3=-834/406, 3-4=-834/406, 5-7=-241/271 |
| BOT CHORD | 9-10=-971/1716, 8-9=-971/1716, 7-8=-431/833 |
| WEBS | 1-10=-1061/1817, 2-10=-816/879, 2-8=-1701/1761, 4-8=-254/486, 4-7=-695/358 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=20ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 204 lb uplift at joint 7 and 622 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard




12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | F05 | Flat | 1 | 1 | DE Job # 97901-W1 |

Builders First Source, Atlanta Components

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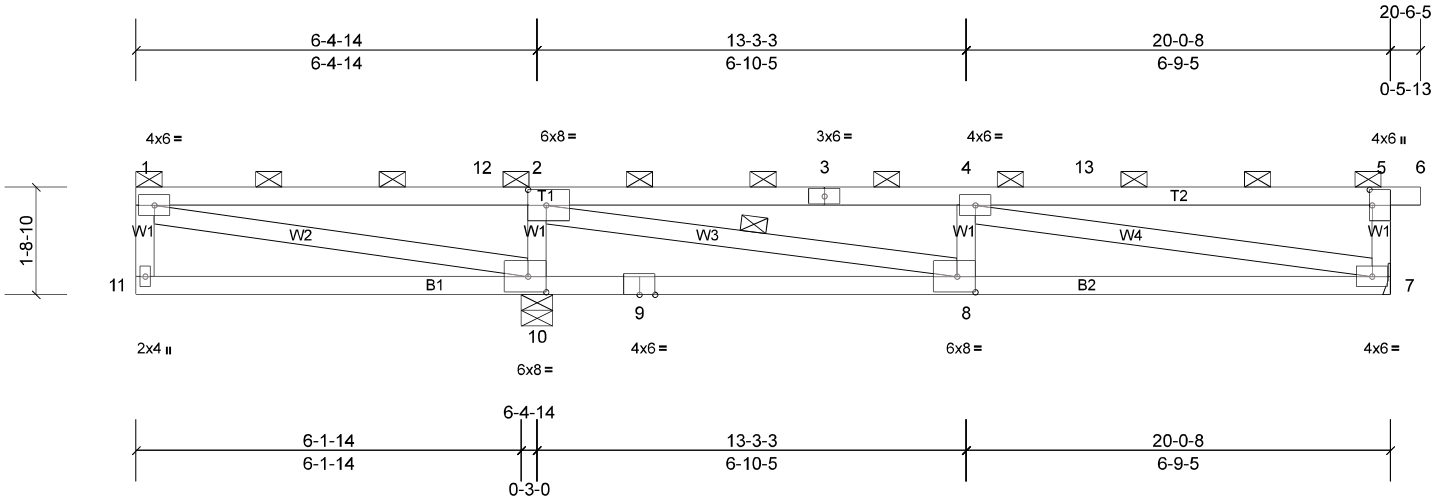



Scale = 1:34.6

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.90 | Vert(LL) | 0.08 | 8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.62 | Vert(CT) | -0.15 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.71 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 96 lb | FT = 15% |

**LUMBER**

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

**BRACING**

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 7=462/ Mechanical, (min. 0-1-8), 10=1156/0-6-0, (min. 0-1-8)
Max Horiz 10=45 (LC 11)
Max Uplift 7=-210 (LC 9), 10=-590 (LC 12)

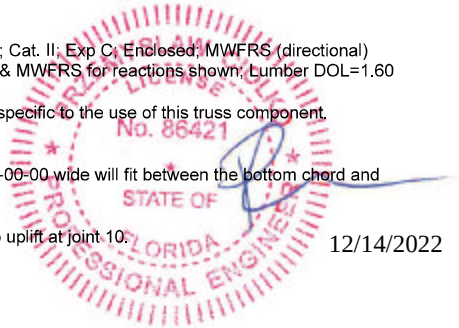
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-12=-1408/799, 2-12=-1408/799, 2-3=-924/426, 3-4=-924/426, 5-7=-236/266 |
| BOT CHORD | 9-10=-799/1465, 8-9=-799/1465, 7-8=-452/923 |
| WEBS | 1-10=-872/1541, 2-10=-797/858, 2-8=-1644/1719, 4-8=-234/463, 4-7=-800/386 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=20ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 210 lb uplift at joint 7 and 590 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard




12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | F06 | Flat | 1 | 1 | DE Job # 97901-W1 |

Builders First Source, Atlanta Components

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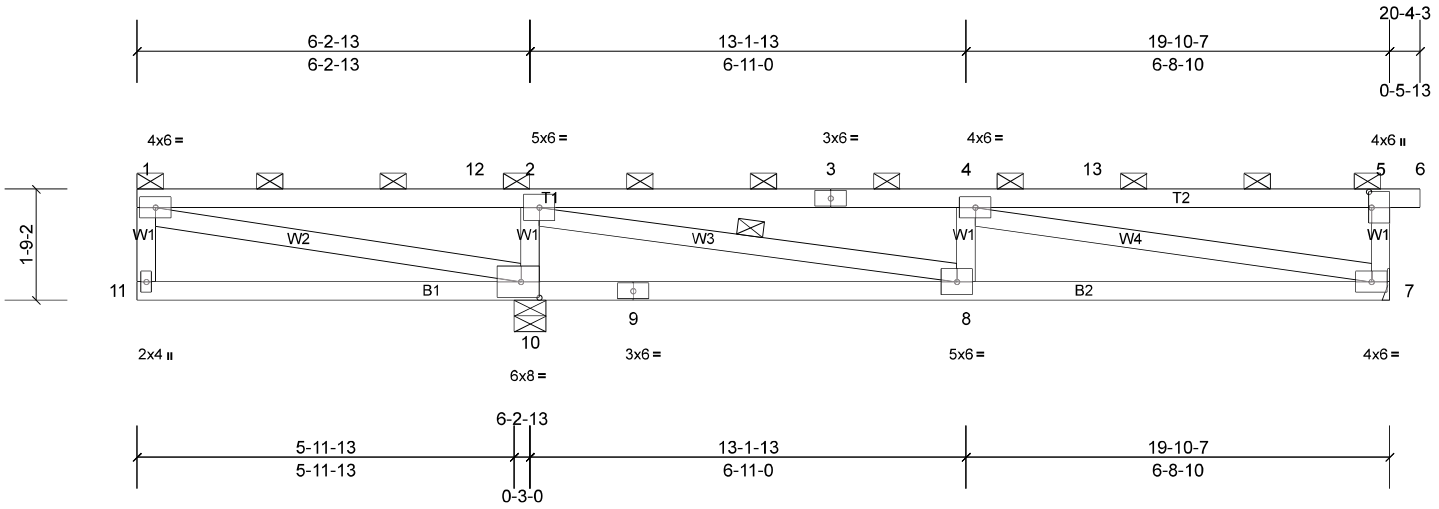



Scale = 1:34.4

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.86 | Vert(LL) | 0.08 | 8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.57 | Vert(CT) | -0.14 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.69 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 95 lb | FT = 15% |

**LUMBER**

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

**BRACING**

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 7=468/ Mechanical, (min. 0-1-8), 10=1136/0-6-0, (min. 0-1-8)
Max Horiz 10=-46 (LC 8)
Max Uplift 7=-211 (LC 9), 10=-577 (LC 12)

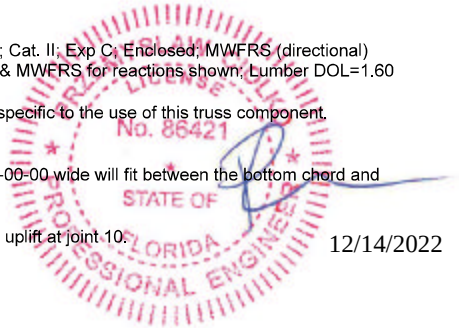
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-12=-1299/726, 2-12=-1299/726, 2-3=-923/419, 3-4=-923/419, 5-7=-232/264 |
| BOT CHORD | 9-10=-726/1358, 8-9=-726/1358, 7-8=-446/923 |
| WEBS | 1-10=-794/1423, 2-10=-787/850, 2-8=-1588/1659, 4-8=-226/455, 4-7=-810/384 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=20ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 211 lb uplift at joint 7 and 577 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard




12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

***WARNING – VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!***

*This truss design is adequate for the design parameters shown. Review and approval of design parameters is the responsibility of the building designer, not the truss designer or truss engineer. Permanent bracing requirements against out-of-plane buckling are noted/shown for individual truss members (and for the truss as a whole) subjected to gravity and wind loads. Additional permanent bracing design shall be the responsibility of the design professional of record. Temporary and erection bracing shall be the responsibility of the contractor. Reference ANSI/TPI-1, "National Design Standard for Metal Plate Connected Wood Truss Construction" and TPI/WTCA BCSI-06, "Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining and Bracing of Metal Plate Connected Wood Trusses" for additional information.*

| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | F07 | Flat | 1 | 1 | DE Job # 97901-W1 |

Builders First Source, Atlanta Components

Run: 8.53 S Jan 6 2022 Print: 8.530 S Jan 6 2022 MiTek Industries, Inc. Tue Dec 13 08:43:14 Page: 1

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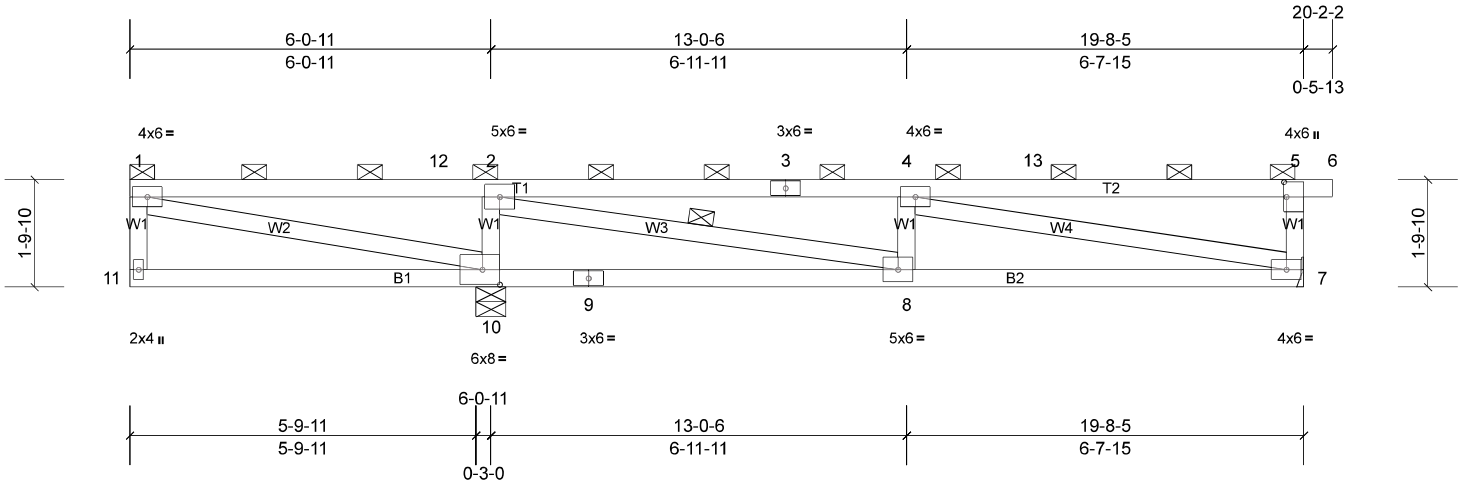



Scale = 1:36.4

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.83 | Vert(LL) | 0.07 | 7-8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.53 | Vert(CT) | -0.13 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.68 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 95 lb | FT = 15% |

**LUMBER**

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

**BRACING**

| | |
|---|---|
| TOP CHORD | 2-0-0 oc purlins (4-9-11 max.): 1-6, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS | 1 Row at midpt 2-8 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 7=474/ Mechanical, (min. 0-1-8), 10=1115/0-6-0, (min. 0-1-8)
Max Horiz 10=47 (LC 11)
Max Uplift 7=-212 (LC 9), 10=-563 (LC 12)

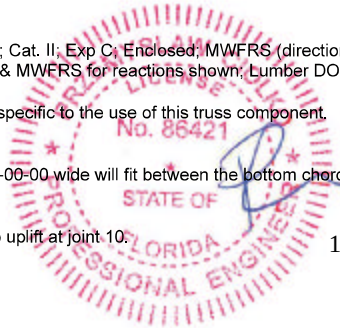
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-12=-1196/658, 2-12=-1196/658, 2-3=-921/412, 3-4=-921/412, 5-7=-229/261 |
| BOT CHORD | 9-10=-658/1257, 8-9=-658/1257, 7-8=-439/921 |
| WEBS | 1-10=-720/1313, 2-10=-777/842, 2-8=-1534/1601, 4-8=-219/447, 4-7=-820/382 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=20ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 212 lb uplift at joint 7 and 563 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard




12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

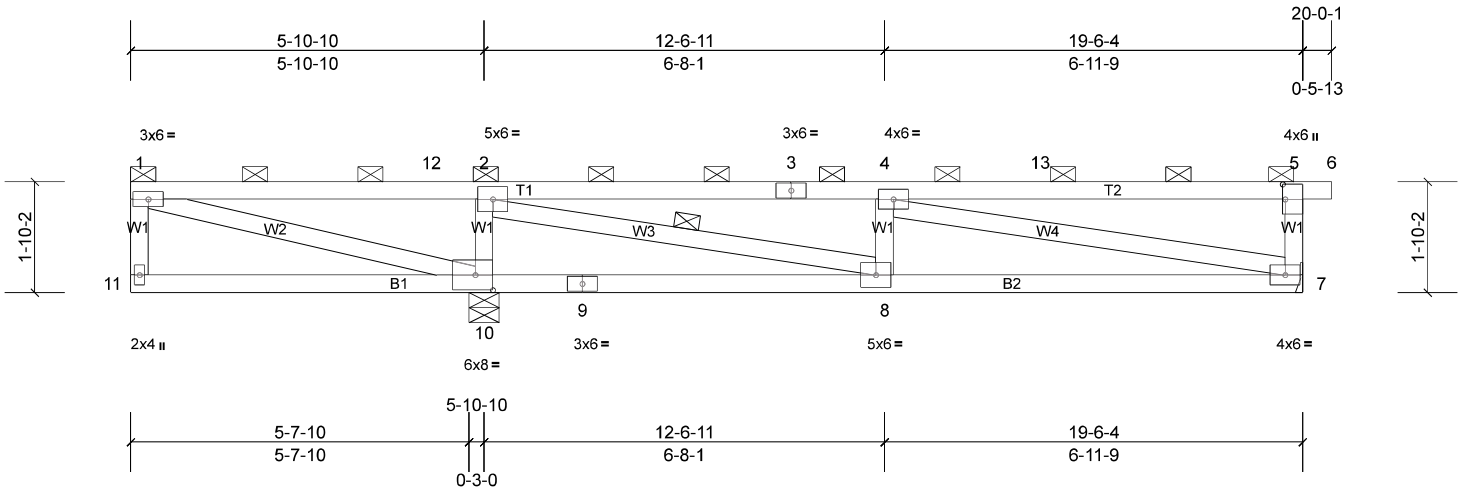
***WARNING – VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!***

*This truss design is adequate for the design parameters shown. Review and approval of design parameters is the responsibility of the building designer, not the truss designer or truss engineer. Permanent bracing requirements against out-of-plane buckling are noted/shown for individual truss members (and for the truss as a whole) subjected to gravity and wind loads. Additional permanent bracing design shall be the responsibility of the design professional of record. Temporary and erection bracing shall be the responsibility of the contractor. Reference ANSI/TPI-1, "National Design Standard for Metal Plate Connected Wood Truss Construction" and TPI/WTCA BCSI-06, "Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining and Bracing of Metal Plate Connected Wood Trusses" for additional information.*

| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 3278724 | F08 | Flat | 1 | 1 | Job Reference (optional) **DE Job # 97901-W1** |

Builders First Source, Atlanta Components — Run: 8.53 S Jan 6 2022 Print: 8.530 S Jan 6 2022 MiTek Industries, Inc. Tue Dec 13 08:43:15 — Page: 1

ID:DcEerald6YjA?UXabXcXLGygQqm-YLeK8x6ckGwAvsios3W3b1dZtXxYyggM5W4l0ay9RqB




Scale = 1:36.1

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.76 | Vert(LL) | 0.07 | 8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.51 | Vert(CT) | -0.15 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.72 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 94 lb | FT = 15% |

**LUMBER**

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

**BRACING**

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 7=481/ Mechanical, (min. 0-1-8), 10=1096/0-6-0, (min. 0-1-8)
Max Horiz 10=-49 (LC 10)
Max Uplift 7=-213 (LC 9), 10=-550 (LC 12)

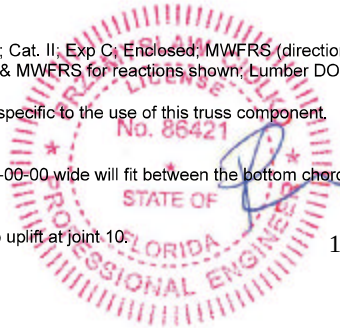
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-12=-1112/613, 2-12=-1112/613, 2-3=-906/402, 3-4=-906/402, 5-7=-241/276 |
| BOT CHORD | 9-10=-613/1174, 8-9=-613/1174, 7-8=-431/906 |
| WEBS | 1-10=-674/1224, 2-10=-767/825, 2-8=-1462/1548, 4-8=-229/451, 4-7=-792/367 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=20ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 213 lb uplift at joint 7 and 550 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard




12/14/2022

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COA: CA25948

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| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | F09 | Flat | 1 | 1 | DE Job # 97901-W1 |

Builders First Source, Atlanta Components

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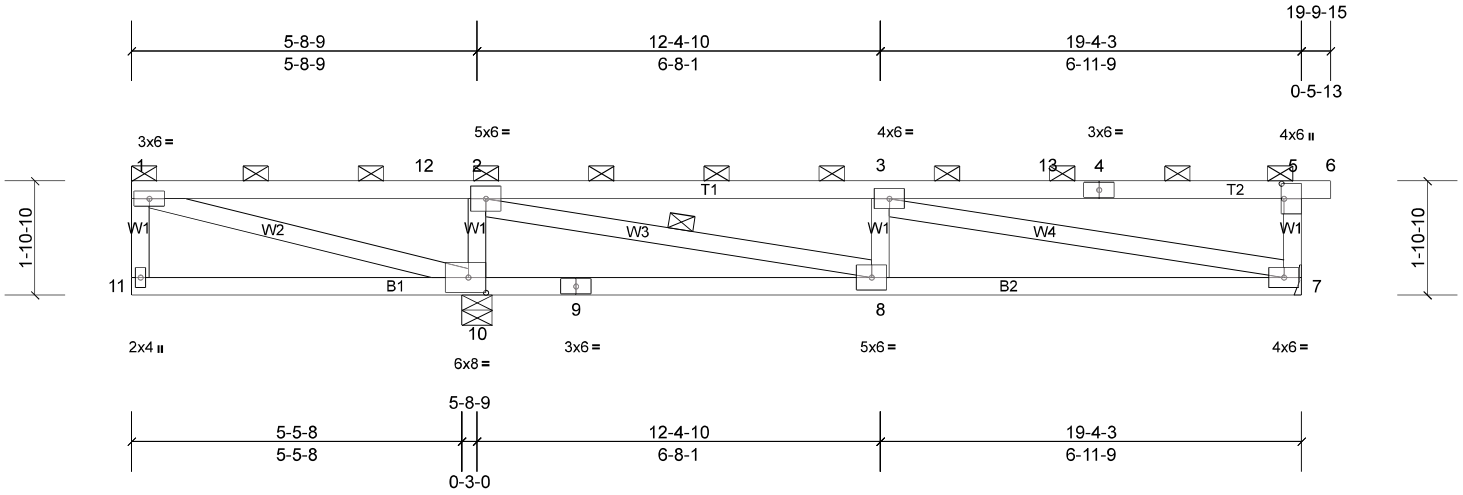



Scale = 1:35.9

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.73 | Vert(LL) | 0.07 | 7-8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.51 | Vert(CT) | -0.15 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.73 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 94 lb | FT = 15% |

**LUMBER**

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

**BRACING**

| | |
|---|---|
| TOP CHORD | 2-0-0 oc purlins (5-4-0 max.): 1-6, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS | 1 Row at midpt 2-8 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 7=486/ Mechanical, (min. 0-1-8), 10=1076/0-6-0, (min. 0-1-8)
Max Horiz 10=-50 (LC 10)
Max Uplift 7=-214 (LC 9), 10=-537 (LC 12)

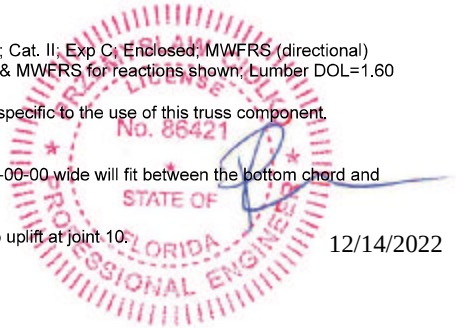
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-12=-1023/556, 2-12=-1023/556, 2-3=-902/395, 5-7=-240/277 |
| BOT CHORD | 9-10=-556/1087, 8-9=-556/1087, 7-8=-425/902 |
| WEBS | 1-10=-613/1128, 2-10=-758/815, 2-8=-1412/1497, 3-8=-225/446, 3-7=-795/363 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=19ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 214 lb uplift at joint 7 and 537 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard




12/14/2022

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Apollo Beach, FL 33572
COA: CA25948

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| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | F10 | Flat | 1 | 1 | DE Job # 97901-W1 |

Builders First Source, Atlanta Components

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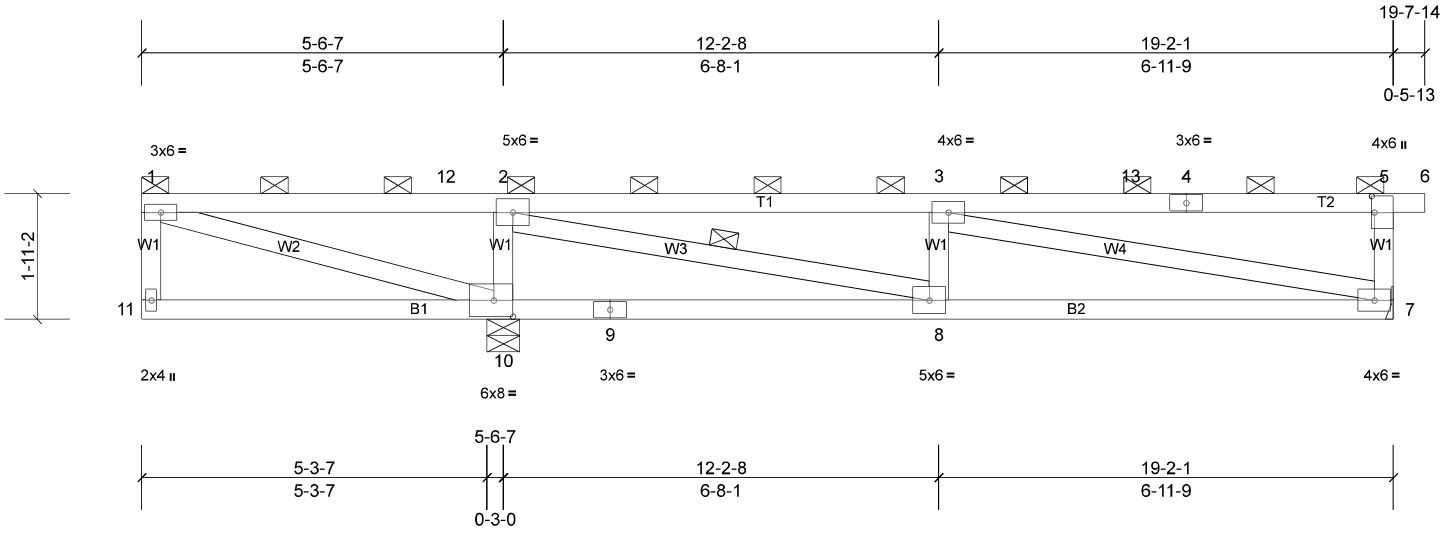



Scale = 1:33.2

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.72 | Vert(LL) | -0.06 | 7-8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.51 | Vert(CT) | -0.15 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.73 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 93 lb | FT = 15% |

**LUMBER**

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

**BRACING**

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 7=492/ Mechanical, (min. 0-1-8), 10=1056/0-6-0, (min. 0-1-8)
Max Horiz 10=51 (LC 9)
Max Uplift 7=-214 (LC 9), 10=-525 (LC 12)

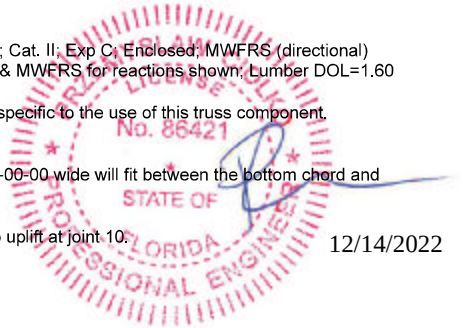
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-12=-940/503, 2-12=-940/503, 2-3=-904/389, 5-7=-239/277 |
| BOT CHORD | 9-10=-503/1006, 8-9=-503/1006, 7-8=-424/904 |
| WEBS | 1-10=-556/1038, 2-10=-748/806, 2-8=-1364/1448, 3-8=-220/440, 3-7=-796/360 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=19ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 214 lb uplift at joint 7 and 525 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard




12/14/2022

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| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 3278724 | F11 | Flat | 1 | 1 | Job Reference (optional) **DE Job # 97901-W1** |

Builders First Source, Atlanta Components

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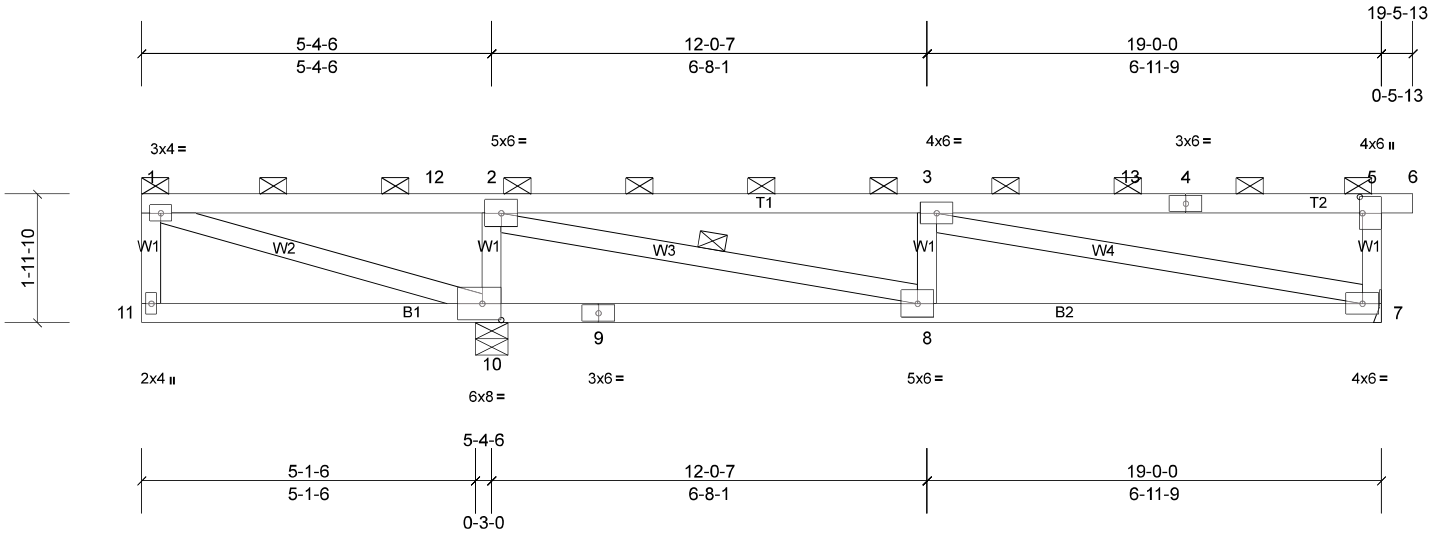



Scale = 1:33.2

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.72 | Vert(LL) | -0.06 | 7-8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.51 | Vert(CT) | -0.14 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.74 | Horz(CT) | -0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 93 lb | FT = 15% |

**LUMBER**

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

**BRACING**

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 7=497/ Mechanical, (min. 0-1-8), 10=1037/0-6-0, (min. 0-1-8)
Max Horiz 10=53 (LC 9)
Max Uplift 7=-215 (LC 9), 10=-512 (LC 12)

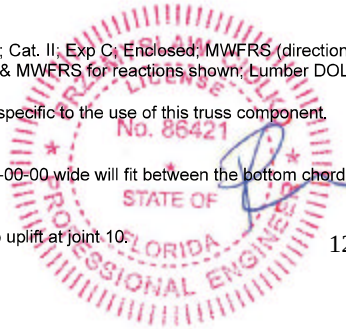
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-12=-862/453, 2-12=-862/453, 2-3=-907/418, 5-7=-238/278 |
| BOT CHORD | 9-10=-453/929, 8-9=-453/929, 7-8=-457/907 |
| WEBS | 1-10=-503/954, 2-10=-739/797, 2-8=-1319/1402, 3-8=-216/435, 3-7=-797/356 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=19ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 215 lb uplift at joint 7 and 512 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard




12/14/2022

Dansco Engineering, LLC
P.O. Box 3400
Apollo Beach, FL 33572
COA: CA25948

***WARNING – VERIFY DESIGN PARAMETERS AND READ NOTES BEFORE FABRICATION AND INSTALLATION!!!***

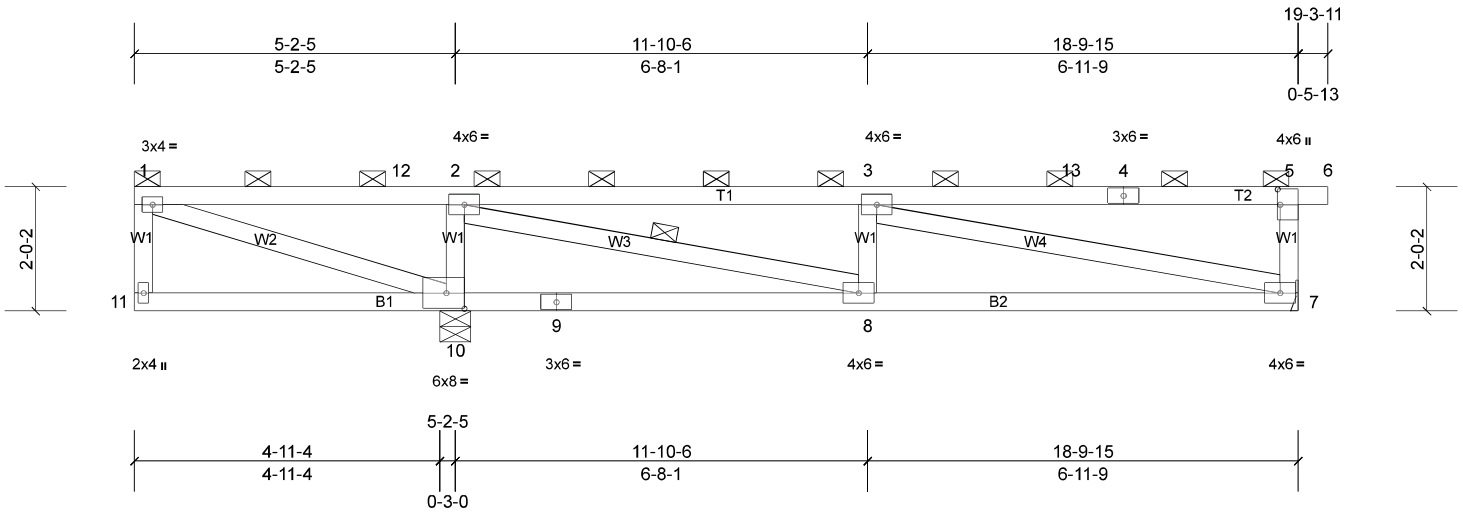
*This truss design is adequate for the design parameters shown. Review and approval of design parameters is the responsibility of the building designer, not the truss designer or truss engineer. Permanent bracing requirements against out-of-plane buckling are noted/shown for individual truss members (and for the truss as a whole) subjected to gravity and wind loads. Additional permanent bracing design shall be the responsibility of the design professional of record. Temporary and erection bracing shall be the responsibility of the contractor. Reference ANSI/TPI-1, "National Design Standard for Metal Plate Connected Wood Truss Construction" and TPI/WTCA BCSI-06, "Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining and Bracing of Metal Plate Connected Wood Trusses" for additional information.*

| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | F12 | Flat | 1 | 1 | DE Job # 97901-W1 |

Builders First Source, Atlanta Components

Run: 8.53 S Jan 6 2022 Print: 8.530 S Jan 6 2022 MiTek Industries, Inc. Tue Dec 13 08:43:15 Page: 1

ID:SQOI?vhwzCQFkJvNbCUazVygQpZ-0XBiLH7EVa21X?H_Qm1l7E9kPxGdh7SVKAprY1y9RqA




Scale = 1:35.1

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.71 | Vert(LL) | -0.06 | 7-8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.52 | Vert(CT) | -0.14 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.75 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 92 lb | FT = 15% |

**LUMBER**

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

**BRACING**

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 7=503/ Mechanical, (min. 0-1-8), 10=1018/0-6-0, (min. 0-1-8)
Max Horiz 10=54 (LC 11)
Max Uplift 7=-216 (LC 9), 10=-499 (LC 12)

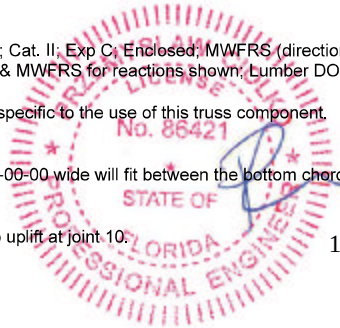
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-12=-788/407, 2-12=-788/407, 2-3=-909/448, 5-7=-237/278 |
| BOT CHORD | 9-10=-407/857, 8-9=-407/857, 7-8=-488/909 |
| WEBS | 1-10=-453/874, 2-10=-730/789, 2-8=-1276/1359, 3-8=-212/430, 3-7=-804/366 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=19ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 216 lb uplift at joint 7 and 499 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

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COA: CA25948

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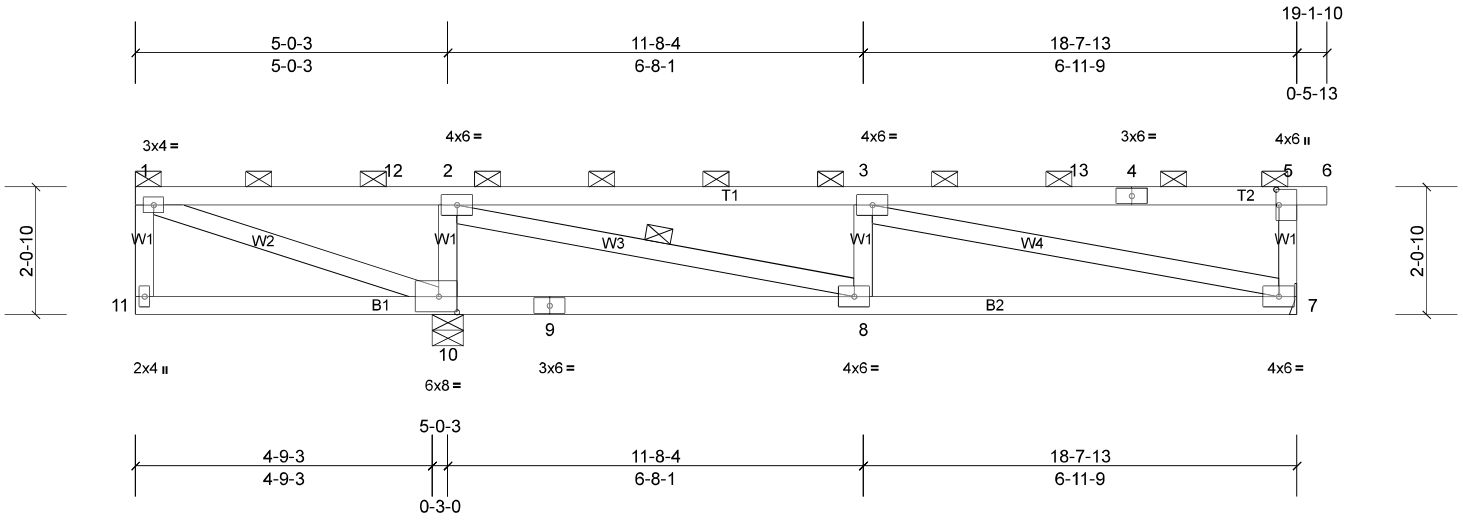
| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 3278724 | F13 | Flat | 1 | 1 | Job Reference (optional) **DE Job # 97901-W1** |

Builders First Source, Atlanta Components — Run: 8.53 S Jan 6 2022 Print: 8.530 S Jan 6 2022 MiTek Industries, Inc. Tue Dec 13 08:43:15 — Page: 1

ID:LBeGrHkR1RwgDwD8q2ZW7LygQpV-0XBiLH7EVa21X?H_Qm1l7E9lZxGdh7JVKAprY1y9RqA




Scale = 1:34.8

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.70 | Vert(LL) | -0.06 | 7-8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.52 | Vert(CT) | -0.14 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.76 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 92 lb | FT = 15% |

**LUMBER**

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

**REACTIONS** (lb/size) 7=508/ Mechanical, (min. 0-1-8), 10=999/0-6-0, (min. 0-1-8)
Max Horiz 10=-55 (LC 8)
Max Uplift 7=-217 (LC 9), 10=-487 (LC 12)

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

| | |
|---|---|
| TOP CHORD | 1-12=-719/364, 2-12=-719/364, 2-3=-910/476, 5-7=-236/279 |
| BOT CHORD | 9-10=-364/790, 8-9=-364/790, 7-8=-517/910 |
| WEBS | 1-10=-406/799, 2-10=-721/781, 2-8=-1235/1317, 3-8=-208/424, 3-7=-811/399 |

**BRACING**

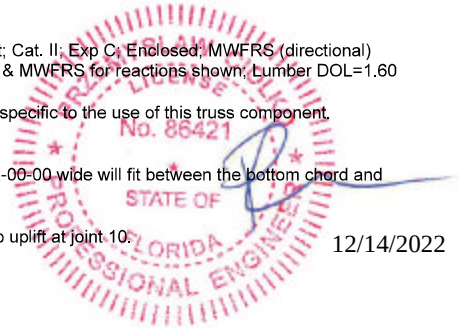
| | |
|---|---|
| TOP CHORD | 2-0-0 oc purlins (5-8-3 max.): 1-6, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS | 1 Row at midpt 2-8 |

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=19ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 217 lb uplift at joint 7 and 487 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard




12/14/2022

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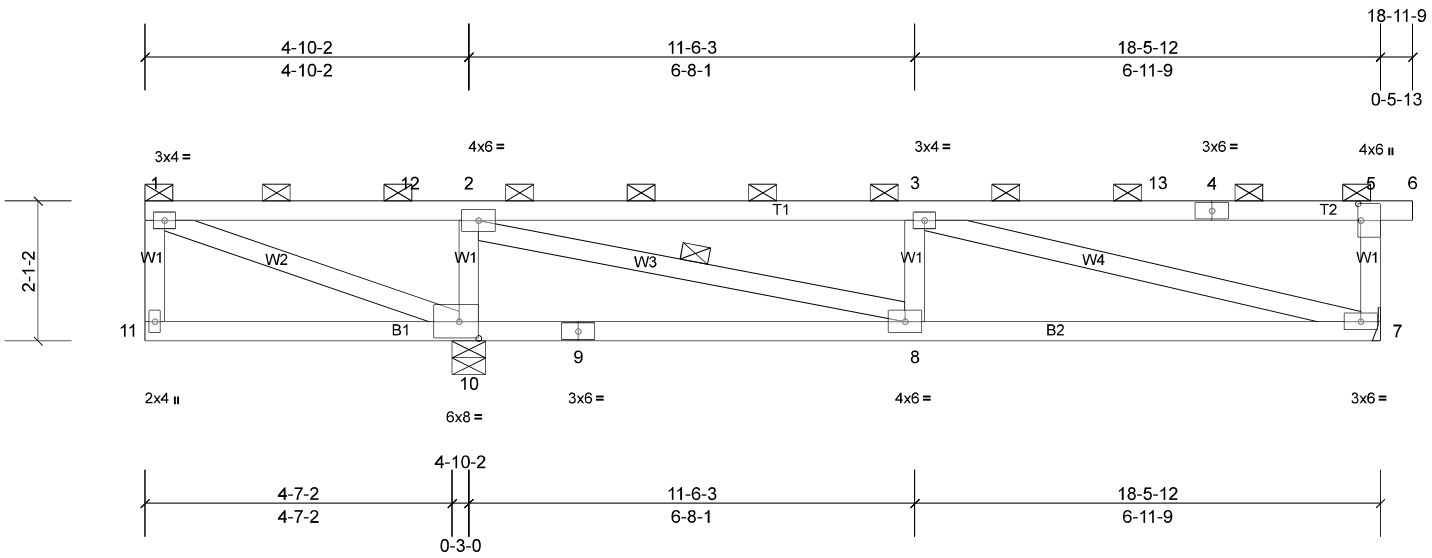
| Job | Truss | Truss Type | Qty | Ply | Job Reference (optional) |
|---|---|---|---|---|---|
| 3278724 | F14 | Flat | 1 | 1 | DE Job # 97901-W1 |

Builders First Source, Atlanta Components

Run: 8.53 S Jan 6 2022 Print: 8.530 S Jan 6 2022 MiTek Industries, Inc. Tue Dec 13 08:43:16 Page: 1

ID:AL?X5KpCcHhqxrgIBJgwNcygQpP-UjI5Zd8sGuAu89sB_UYXgSiwJLbsQZFfZqZP5Ty9Rq9




Scale = 1:32.4

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.70 | Vert(LL) | -0.06 | 7-8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.52 | Vert(CT) | -0.14 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.78 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-S | | | | | | | Weight: 91 lb | FT = 15% |

**LUMBER**

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

**REACTIONS** (lb/size) 7=513/ Mechanical, (min. 0-1-8), 10=980/0-6-0, (min. 0-1-8)
Max Horiz 10=-57 (LC 8)
Max Uplift 7=-217 (LC 9), 10=-474 (LC 12)

**BRACING**

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

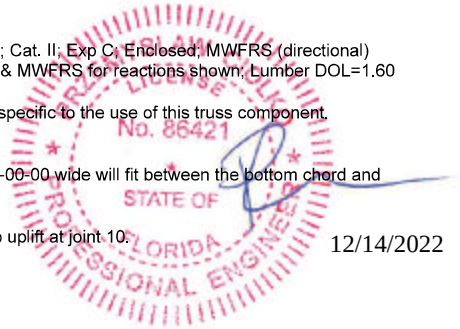
**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

| | |
|---|---|
| TOP CHORD | 1-12=-654/323, 2-12=-654/323, 2-3=-910/501, 5-7=-236/279 |
| BOT CHORD | 9-10=-328/727, 8-9=-328/727, 7-8=-543/910 |
| WEBS | 1-10=-363/729, 2-10=-713/773, 2-8=-1196/1277, 3-8=-204/419, 3-7=-816/430 |

**NOTES**

1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=18ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
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 3-06-00 tall by 2-00-00 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 217 lb uplift at joint 7 and 474 lb uplift at joint 10.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

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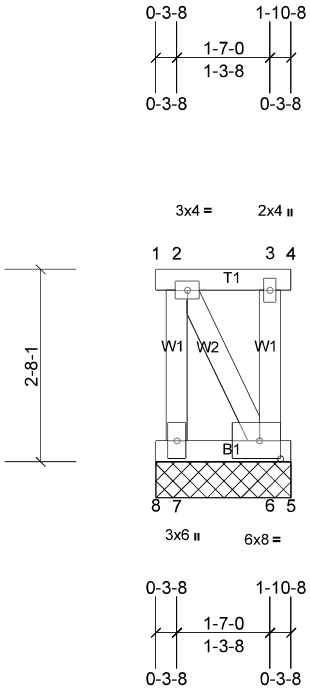
| Job | Truss | Truss Type | Qty | Ply | |
|---|---|---|---|---|---|
| 3278724 | SB01 | Flat Supported Gable | 6 | 1 | Job Reference (optional) **DE Job # 97901-W1** |

Builders First Source, Atlanta Components — Run: 8.53 S Jan 6 2022 Print: 8.530 S Jan 6 2022 MiTek Industries, Inc. Tue Dec 13 08:43:16 — Page: 1

ID:qYP3b7ONmXBE9_BTMKWeAEygQnM-Ujl5Zd8sGuAu89sB_UYXgSi38LjBQi?fZqZP5Ty9Rq9




Scale = 1:30.1

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

| Loading | (psf) | Spacing | 2-0-0 | CSI | | DEFL | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL (roof) | 20.0 | Plate Grip DOL | 1.15 | TC | 0.07 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.05 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.22 | Horz(CT) | n/a | - | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-P | | | | | | | Weight: 15 lb | FT = 15% |

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

**BRACING**
TOP CHORD 2-0-0 oc purlins: 1-4.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

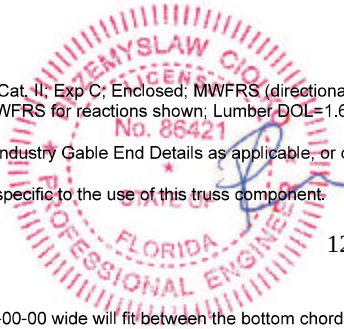
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** All bearings 1-10-8.
(lb) - Max Horiz 8=124 (LC 25)
Max Uplift All uplift 100 (lb) or less at joint(s) 5, 8 except 6=-529 (LC 26), 7=-529 (LC 25)
Max Grav All reactions 250 (lb) or less at joint(s) 5, 8 except 6=551 (LC 41), 7=551 (LC 42)

**FORCES** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-276/276
WEBS 2-7=-541/617, 2-6=-578/578

**NOTES**
1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=93mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; B=0ft; L=2ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner (3) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 1-4-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 8, 11 lb uplift at joint 5, 529 lb uplift at joint 7 and 529 lb uplift at joint 6.
11) This truss has been designed for a total drag load of 400 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 1-10-8 for 213.3 plf.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard

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