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

RE: 2874271 - EXCEPTIONS REALITY - LOT 10 CRP

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

**Site Information:**

Customer Info: Exceptions Reality Project Name: Spec Hse Model: Custom
Lot/Block: 10 Subdivision: Creek Run Plantation
Address: TBD, TBD
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

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

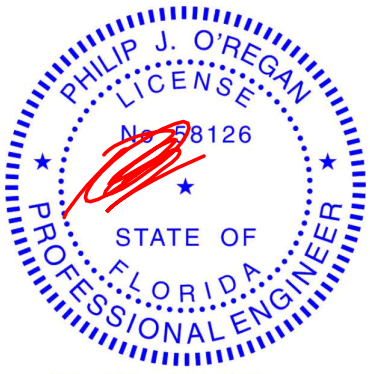
Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 30 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

| No. | Seal# | Truss Name | Date | No. | Seal# | Truss Name | Date |
|---|---|---|---|---|---|---|---|
| 1 | T25045006 | CJ01 | 8/17/21 | 23 | T25045028 | T14 | 8/17/21 |
| 2 | T25045007 | CJ03 | 8/17/21 | 24 | T25045029 | T15 | 8/17/21 |
| 3 | T25045008 | CJ05 | 8/17/21 | 25 | T25045030 | T17 | 8/17/21 |
| 4 | T25045009 | EJ01 | 8/17/21 | 26 | T25045031 | T18 | 8/17/21 |
| 5 | T25045010 | HJ09 | 8/17/21 | 27 | T25045032 | T19 | 8/17/21 |
| 6 | T25045011 | HJ10 | 8/17/21 | 28 | T25045033 | T20 | 8/17/21 |
| 7 | T25045012 | PB01 | 8/17/21 | 29 | T25045034 | T21 | 8/17/21 |
| 8 | T25045013 | PB02 | 8/17/21 | 30 | T25045035 | T22 | 8/17/21 |
| 9 | T25045014 | T01 | 8/17/21 | | | | |
| 10 | T25045015 | T01A | 8/17/21 | | | | |
| 11 | T25045016 | T02 | 8/17/21 | | | | |
| 12 | T25045017 | T03 | 8/17/21 | | | | |
| 13 | T25045018 | T04 | 8/17/21 | | | | |
| 14 | T25045019 | T05 | 8/17/21 | | | | |
| 15 | T25045020 | T06 | 8/17/21 | | | | |
| 16 | T25045021 | T07 | 8/17/21 | | | | |
| 17 | T25045022 | T08 | 8/17/21 | | | | |
| 18 | T25045023 | T09 | 8/17/21 | | | | |
| 19 | T25045024 | T10 | 8/17/21 | | | | |
| 20 | T25045025 | T11 | 8/17/21 | | | | |
| 21 | T25045026 | T12 | 8/17/21 | | | | |
| 22 | T25045027 | T13 | 8/17/21 | | | | |


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

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2023.



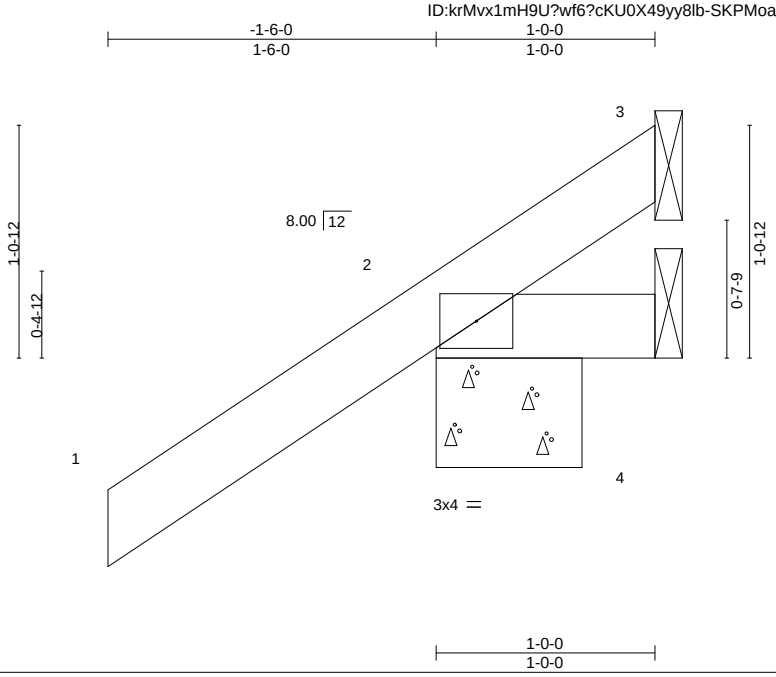

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

August 17,2021

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

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | CJ01 | Jack-Open | 12 | 1 | T25045006 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:16 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-SKPMoaxpuTc06lX071P5iokZl1vANL9zOIL_MZynCTz




| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.19 | Vert(LL) | 0.00 | 7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.05 | Vert(CT) | 0.00 | 7 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MP | | | | | | | Weight: 6 lb | FT = 20% |

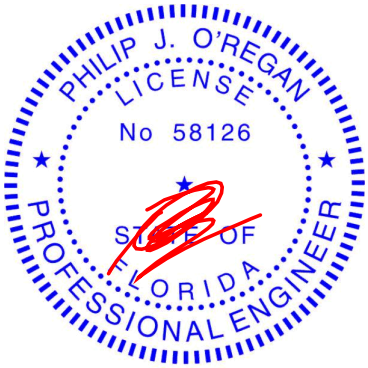
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

**REACTIONS.** (size) 3=Mechanical, 2=0-8-0, 4=Mechanical
Max Horz 2=52(LC 12)
Max Uplift 3=-5(LC 1), 2=-69(LC 12), 4=-20(LC 1)
Max Grav 3=7(LC 8), 2=179(LC 1), 4=21(LC 16)

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

**NOTES-**
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 3, 69 lb uplift at joint 2 and 20 lb uplift at joint 4.



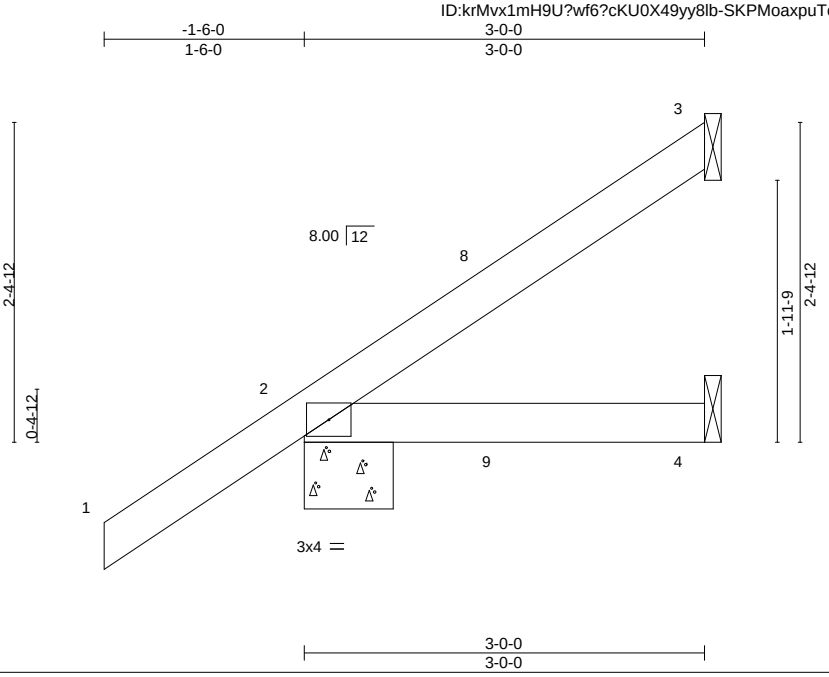

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | CJ03 | Jack-Open | 12 | 1 | T25045007 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:16 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-SKPMoaxpuTc06lX071P5iokZ81uMNL9zOIL_MZynCTz




| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.16 | Vert(LL) | 0.01 | 4-7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.10 | Vert(CT) | -0.01 | 4-7 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MP | | | | | | | Weight: 13 lb | FT = 20% |

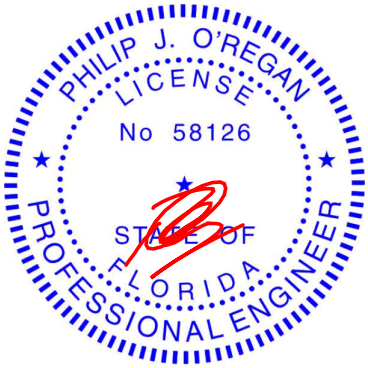
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

**REACTIONS.** (size) 3=Mechanical, 2=0-8-0, 4=Mechanical
Max Horz 2=97(LC 12)
Max Uplift 3=-44(LC 12), 2=-49(LC 12), 4=-16(LC 9)
Max Grav 3=62(LC 19), 2=210(LC 1), 4=51(LC 3)

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

**NOTES-**
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-11-4 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 3, 49 lb uplift at joint 2 and 16 lb uplift at joint 4.



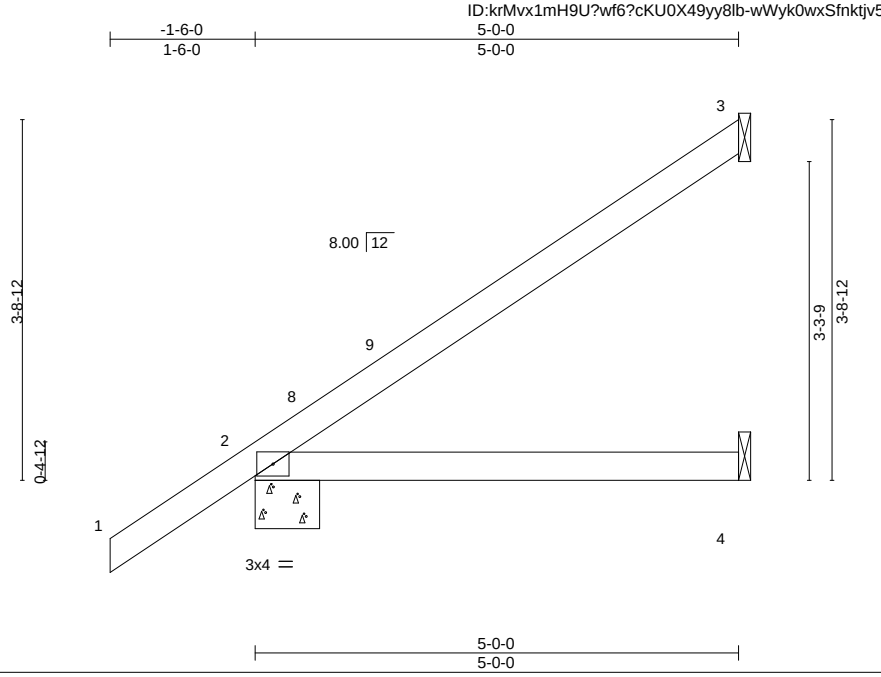

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | CJ05 | Jack-Open | 12 | 1 | T25045008 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:17 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-wWyk0wxSfnktjv5DhlwKF?Gi_QCN6oP6cy5Xv0ynCTy




| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.28 | Vert(LL) | 0.03 | 4-7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.24 | Vert(CT) | -0.06 | 4-7 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MP | | | | | | | Weight: 19 lb | FT = 20% |

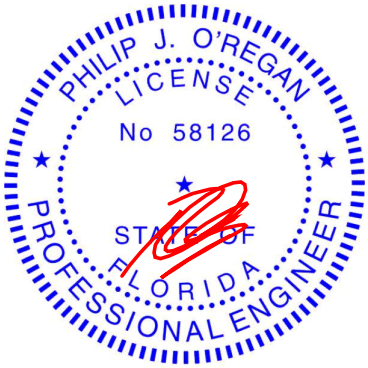
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

**REACTIONS.** (size) 3=Mechanical, 2=0-8-0, 4=Mechanical
Max Horz 2=143(LC 12)
Max Uplift 3=-81(LC 12), 2=-49(LC 12), 4=-1(LC 12)
Max Grav 3=120(LC 19), 2=276(LC 1), 4=89(LC 3)

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

**NOTES-**
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 4-11-4 zone; porch 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 81 lb uplift at joint 3, 49 lb uplift at joint 2 and 1 lb uplift at joint 4.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | EJ01 | Jack-Partial | 24 | 1 | T25045009 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:18 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-PiW7DGy4Q4skL3gPESSZoDpsiqVYrESGrcq4RSynCTx

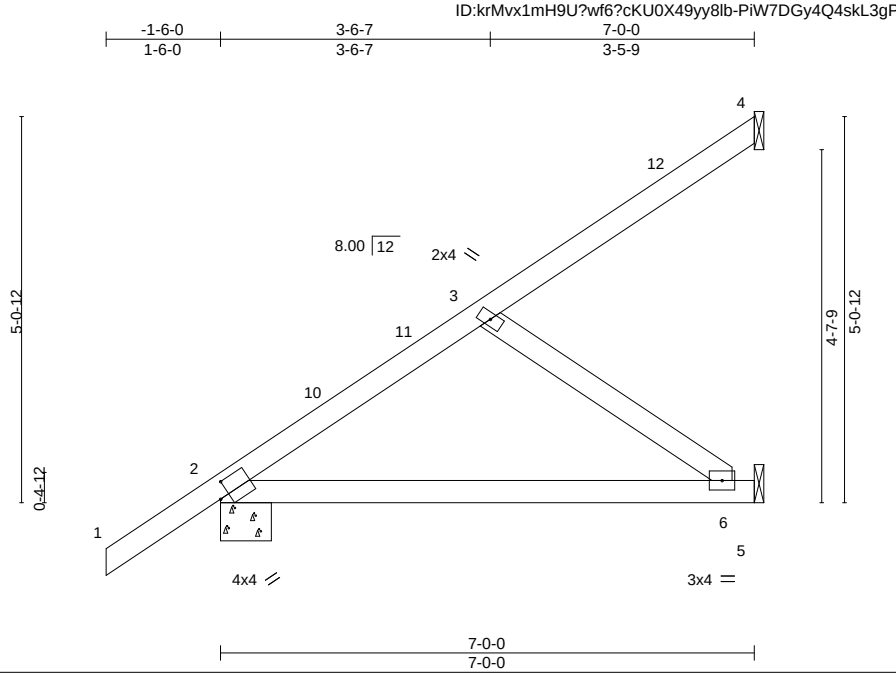



Plate Offsets (X,Y)-- [2:0-1-9,0-2-5]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.35 | Vert(LL) | -0.08 | 6-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.44 | Vert(CT) | -0.16 | 6-9 | >529 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.08 | Horz(CT) | 0.00 | 2 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 32 lb | FT = 20% |

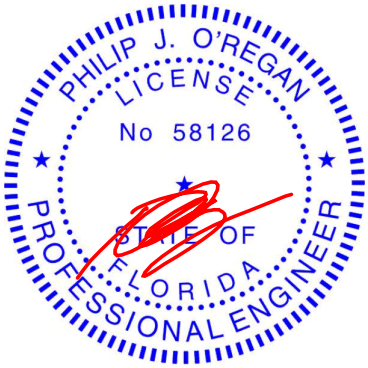
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

**REACTIONS.** (size) 4=Mechanical, 2=0-8-0, 5=Mechanical
Max Horz 2=182(LC 12)
Max Uplift 4=-48(LC 12), 2=-55(LC 12), 5=-58(LC 12)
Max Grav 4=77(LC 19), 2=346(LC 1), 5=184(LC 19)

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

**NOTES-**
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 6-11-4 zone;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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 4, 55 lb uplift at joint 2 and 58 lb uplift at joint 5.



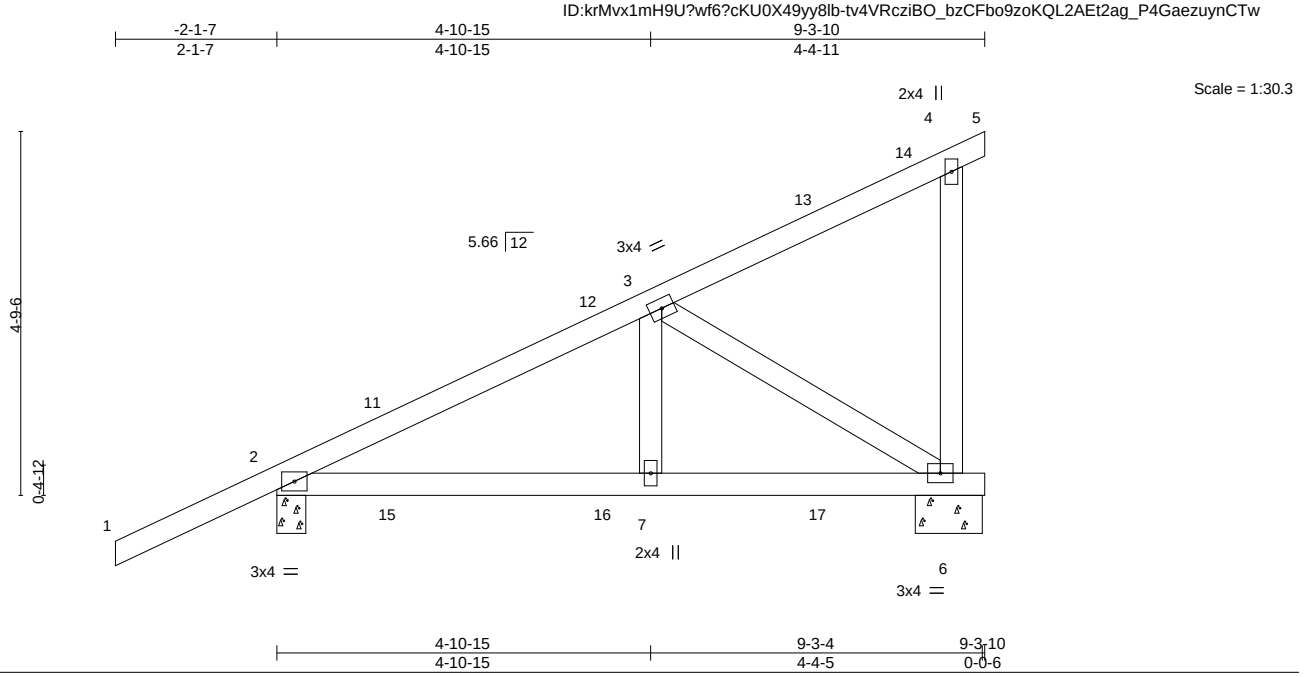

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | HJ09 | Roof Special Girder | 1 | 1 | T25045010 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:19 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-tv4VRcziBO_bzCFbo9zoKQL2AEt2ag_P4GaezuynCTw




| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.30 | Vert(LL) | 0.02 | 7-10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.30 | Vert(CT) | -0.03 | 7-10 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.19 | Horz(CT) | 0.01 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 48 lb | FT = 20% |

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

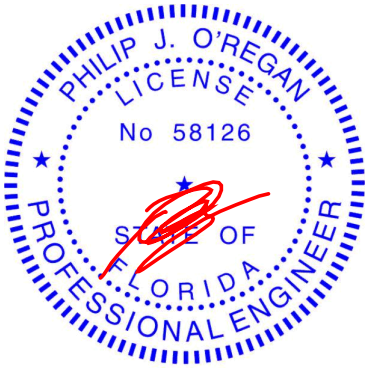
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 2=0-4-9, 6=0-10-9
Max Horz 2=175(LC 8)
Max Uplift 2=-202(LC 4), 6=-261(LC 5)
Max Grav 2=483(LC 1), 6=447(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-498/210
BOT CHORD 2-7=-255/395, 6-7=-255/395
WEBS 3-6=-445/289

**NOTES-**
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 202 lb uplift at joint 2 and 261 lb uplift at joint 6.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 62 lb down and 73 lb up at 1-6-1, 62 lb down and 73 lb up at 1-6-1, 76 lb down and 46 lb up at 4-4-0, 76 lb down and 46 lb up at 4-4-0, and 109 lb down and 92 lb up at 7-1-15, and 109 lb down and 92 lb up at 7-1-15 on top chord, and 44 lb down and 45 lb up at 1-6-1, 44 lb down and 45 lb up at 1-6-1, 19 lb down and 24 lb up at 4-4-0, 19 lb down and 24 lb up at 4-4-0, and 70 lb down and 16 lb up at 7-1-15, and 70 lb down and 16 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 6-8=-20
Concentrated Loads (lb)
Vert: 13=-73(F=-36, B=-36) 16=-4(F=-2, B=-2) 17=-59(F=-29, B=-29)



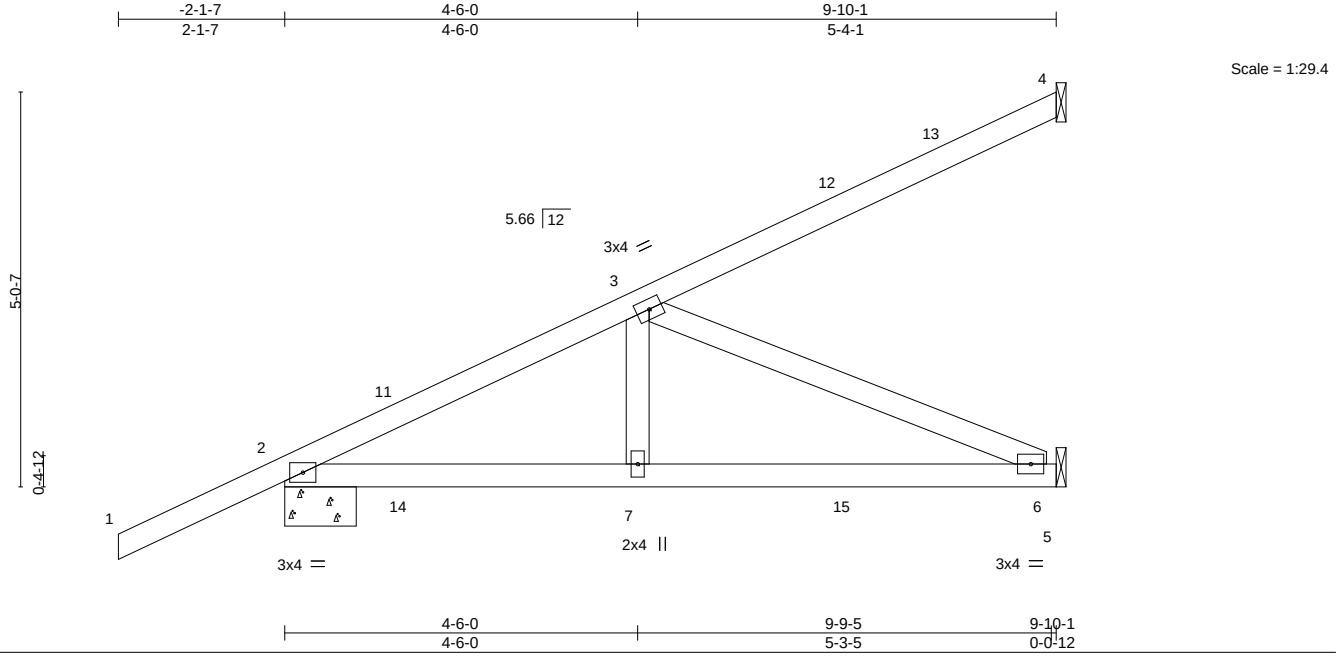

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | HJ10 | Diagonal Hip Girder | 5 | 1 | T25045011 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:20 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-L5etey_Kyi6SaMqoMtU1teu9ke9eJ3CYJwJBVLynCTv




| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.57 | Vert(LL) | -0.04 | 6-7 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.53 | Vert(CT) | -0.09 | 6-7 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.38 | Horz(CT) | 0.01 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 46 lb | FT = 20% |

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

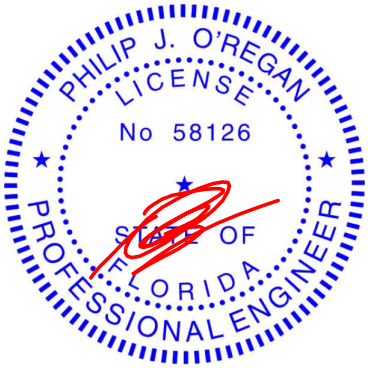
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 4=Mechanical, 2=0-10-15, 6=Mechanical
Max Horz 2=182(LC 8)
Max Uplift 4=-93(LC 8), 2=-217(LC 8), 6=-136(LC 8)
Max Grav 4=147(LC 1), 2=524(LC 1), 6=304(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-639/261
BOT CHORD 2-7=-333/545, 6-7=-333/545
WEBS 3-7=-28/270, 3-6=-592/361

**NOTES-**
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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) N/A
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 4, 217 lb uplift at joint 2 and 136 lb uplift at joint 6.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 62 lb down and 73 lb up at 1-6-1, 62 lb down and 73 lb up at 1-6-1, 76 lb down and 46 lb up at 4-4-0, 76 lb down and 46 lb up at 4-4-0, and 109 lb down and 92 lb up at 7-1-15, and 109 lb down and 92 lb up at 7-1-15 on top chord, and 21 lb down and 45 lb up at 1-6-1, 21 lb down and 45 lb up at 1-6-1, 18 lb down and 24 lb up at 4-4-0, 18 lb down and 24 lb up at 4-4-0, and 47 lb down and 16 lb up at 7-1-15, and 47 lb down and 16 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 7=-4(F=-2, B=-2) 12=-73(F=-36, B=-36) 15=-59(F=-29, B=-29)



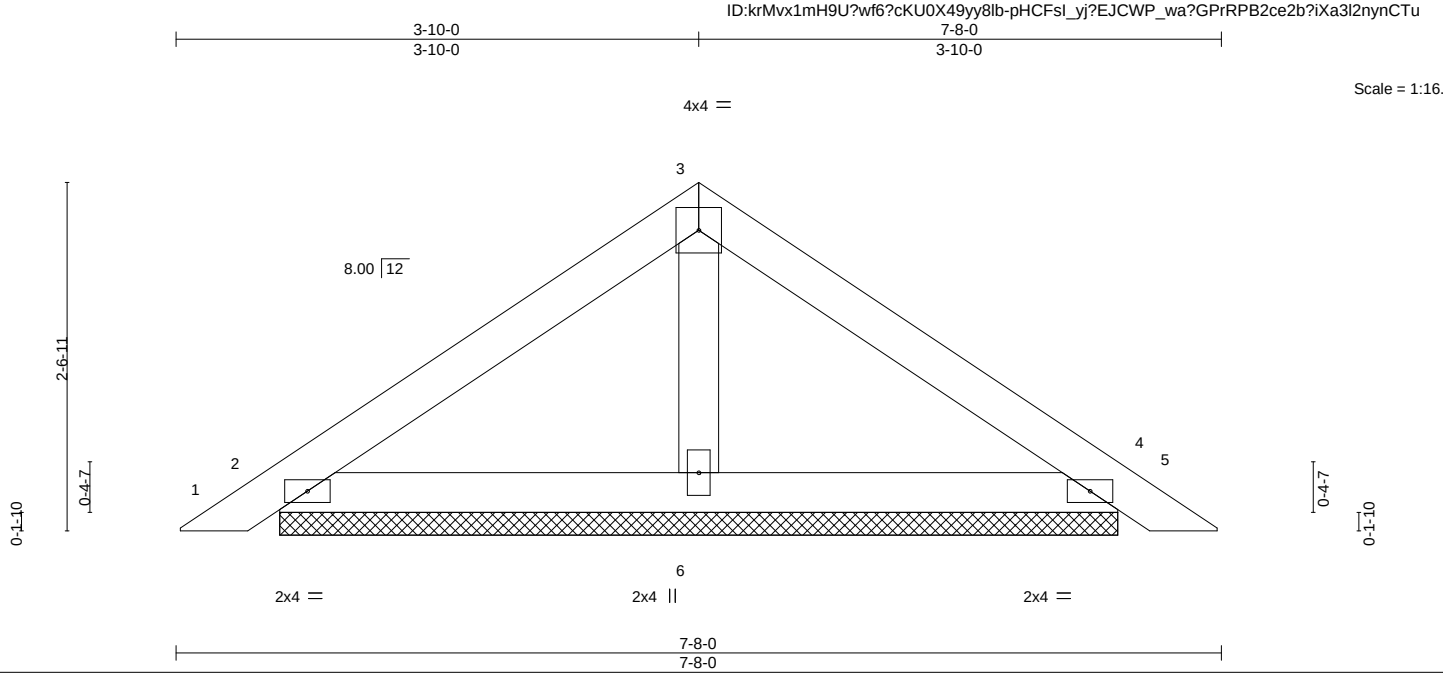

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | PB01 | Piggyback | 8 | 1 | T25045012 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:21 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-pHCFsI_yj?EJCWP_wa?GPrRPB2ce2b?iXa3l2nynCTu




| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.14 | Vert(LL) | 0.00 | 5 | n/r | 120 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.10 | Vert(CT) | 0.01 | 5 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.03 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-P | | | | | | | Weight: 25 lb | FT = 20% |

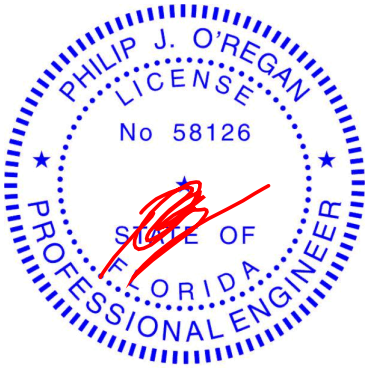
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

**REACTIONS.** (size) 2=6-1-12, 4=6-1-12, 6=6-1-12
Max Horz 2=-52(LC 10)
Max Uplift 2=-48(LC 12), 4=-55(LC 13), 6=-15(LC 12)
Max Grav 2=150(LC 1), 4=150(LC 1), 6=207(LC 1)

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

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-5 to 3-3-5, Interior(1) 3-3-5 to 3-10-0, Exterior(2R) 3-10-0 to 6-10-14, Interior(1) 6-10-14 to 7-4-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 2, 55 lb uplift at joint 4 and 15 lb uplift at joint 6.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



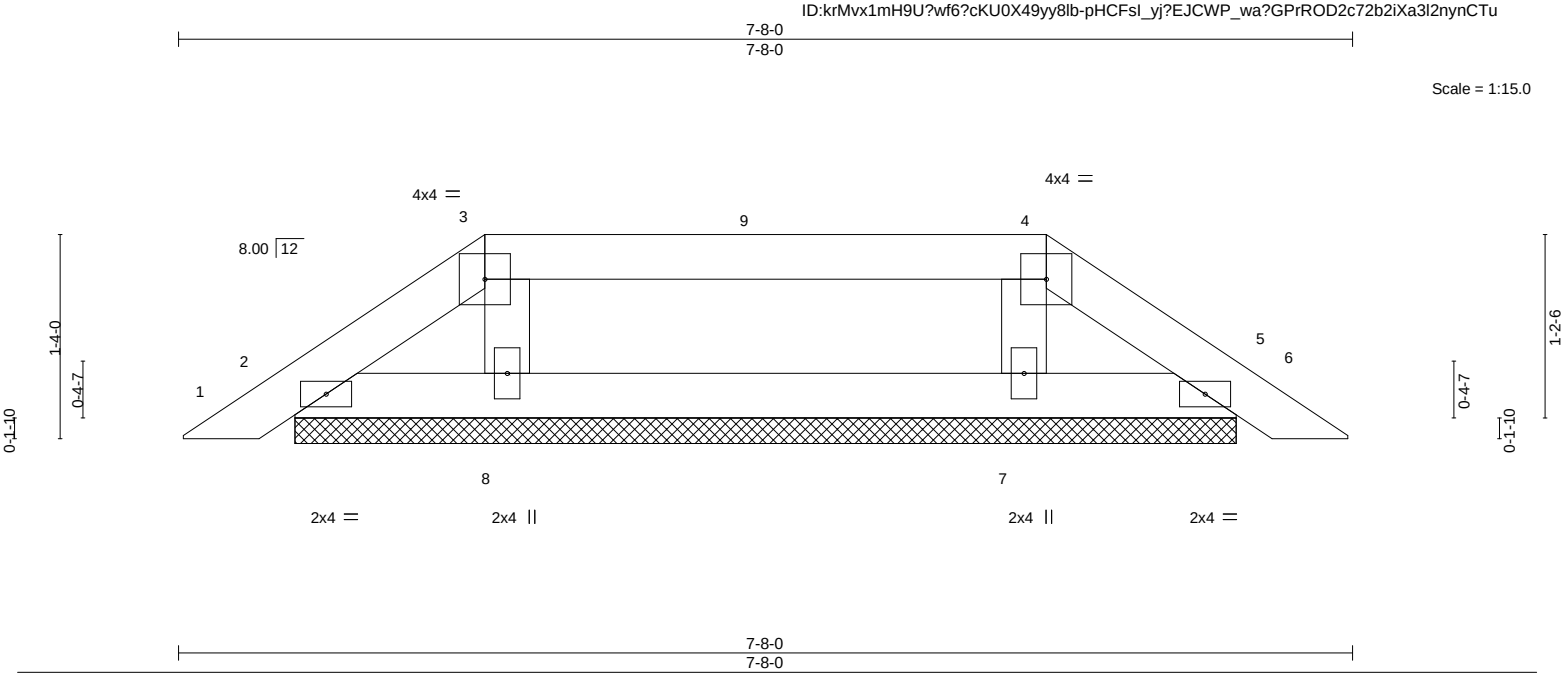

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | PB02 | Piggyback | 2 | 1 | T25045013 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:21 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-pHCFsI_yj?EJCWP_wa?GPrROD2c72b2iXa3l2nynCTu




| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.21 | Vert(LL) | 0.00 | 5 | n/r | 120 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.06 | Vert(CT) | 0.00 | 5 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.02 | Horz(CT) | 0.00 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-P | | | | | | | Weight: 23 lb | FT = 20% |

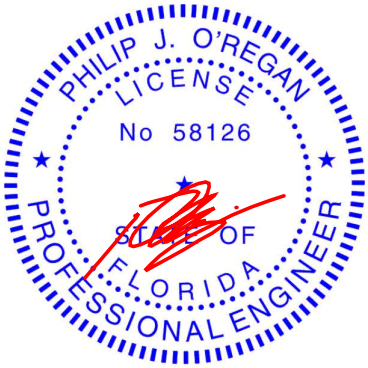
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

**REACTIONS.** All bearings 6-1-12.
(lb) - Max Horz 2=-26(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 5, 8, 7
Max Grav All reactions 250 lb or less at joint(s) 2, 5, 8, 7

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

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5, 8, 7.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



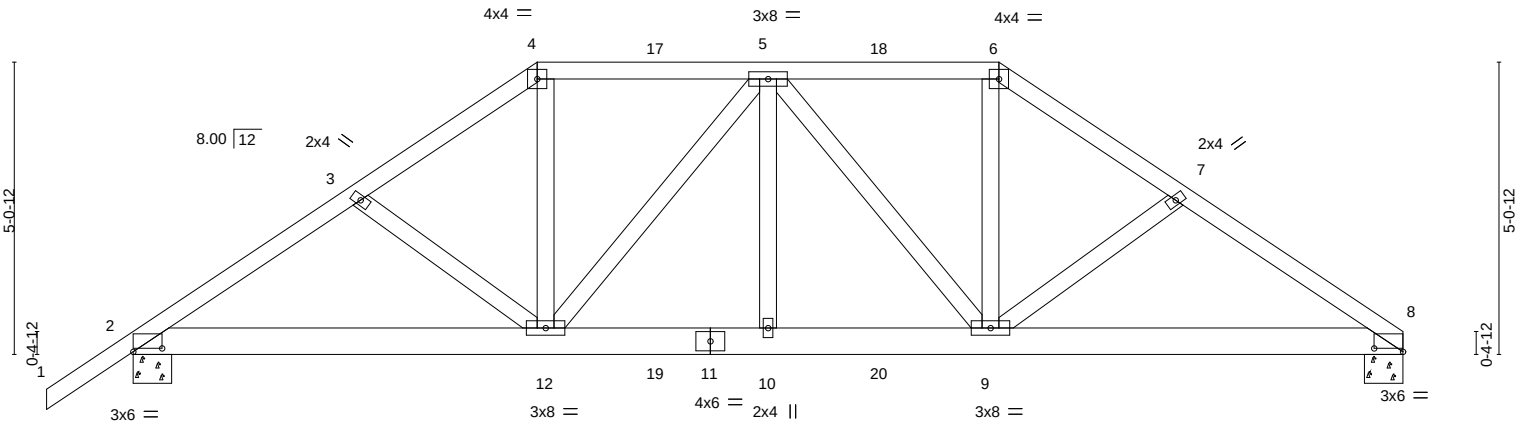
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T01 | Hip Girder | 1 | 1 | T25045014 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:23 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-lgK?G_0CFdU0RqZN1?1kVGWkGrBlWPO??uYr6fynCTs

-1-6-0 | 3-11-4 | 7-0-0 | 11-0-0 | 15-0-0 | 18-0-12 | 22-0-0
1-6-0 | 3-11-4 | 3-0-12 | 4-0-0 | 4-0-0 | 3-0-12 | 3-11-4

Scale = 1:39.9




7-0-0 | 11-0-0 | 15-0-0 | 22-0-0
7-0-0 | 4-0-0 | 4-0-0 | 7-0-0

Plate Offsets (X,Y)-- [2:0-6-0,0-0-11], [8:0-6-0,0-0-12]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.23 | Vert(LL) | -0.08 | 10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.50 | Vert(CT) | -0.14 | 10 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.42 | Horz(CT) | 0.05 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 139 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

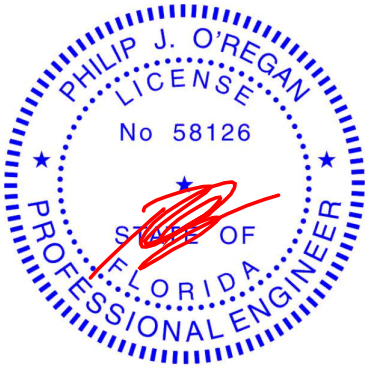
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-10-14 oc bracing.

**REACTIONS.** (size) 8=0-8-0, 2=0-8-0
Max Horz 2=118(LC 26)
Max Uplift 8=-583(LC 9), 2=-604(LC 8)
Max Grav 8=1570(LC 1), 2=1631(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2528/977, 3-4=-2379/953, 4-5=-1967/833, 5-6=-2010/858, 6-7=-2434/986, 7-8=-2576/1011
BOT CHORD 2-12=-824/2065, 10-12=-867/2255, 9-10=-867/2255, 8-9=-785/2115
WEBS 4-12=-414/1092, 5-12=-505/266, 5-10=-146/377, 5-9=-431/204, 6-9=-371/1054

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=583, 2=604.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 66 lb down and 51 lb up at 7-0-0, 66 lb down and 49 lb up at 9-0-12, 66 lb down and 41 lb up at 11-0-0, and 66 lb down and 49 lb up at 12-11-4, and 171 lb down and 155 lb up at 15-0-0 on top chord, and 431 lb down and 243 lb up at 7-0-0, 156 lb down and 78 lb up at 9-0-12, 156 lb down and 78 lb up at 11-0-0, and 156 lb down and 78 lb up at 12-11-4, and 431 lb down and 243 lb up at 14-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 6-8=-54, 2-8=-20




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021

Continued on page 2



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

**LOAD CASE(S)** Standard

Concentrated Loads (lb)

Vert: 4=-18(F) 6=-89(F) 12=-431(F) 10=-156(F) 5=-18(F) 9=-431(F) 17=-18(F) 18=-18(F) 19=-156(F) 20=-156(F)

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T01A | Hip | 1 | 1 | T25045015 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:24 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-DsuOUK1r0wdt3_8ZbjYz1U3rfFUJFwW8DYHPf6ynCTr

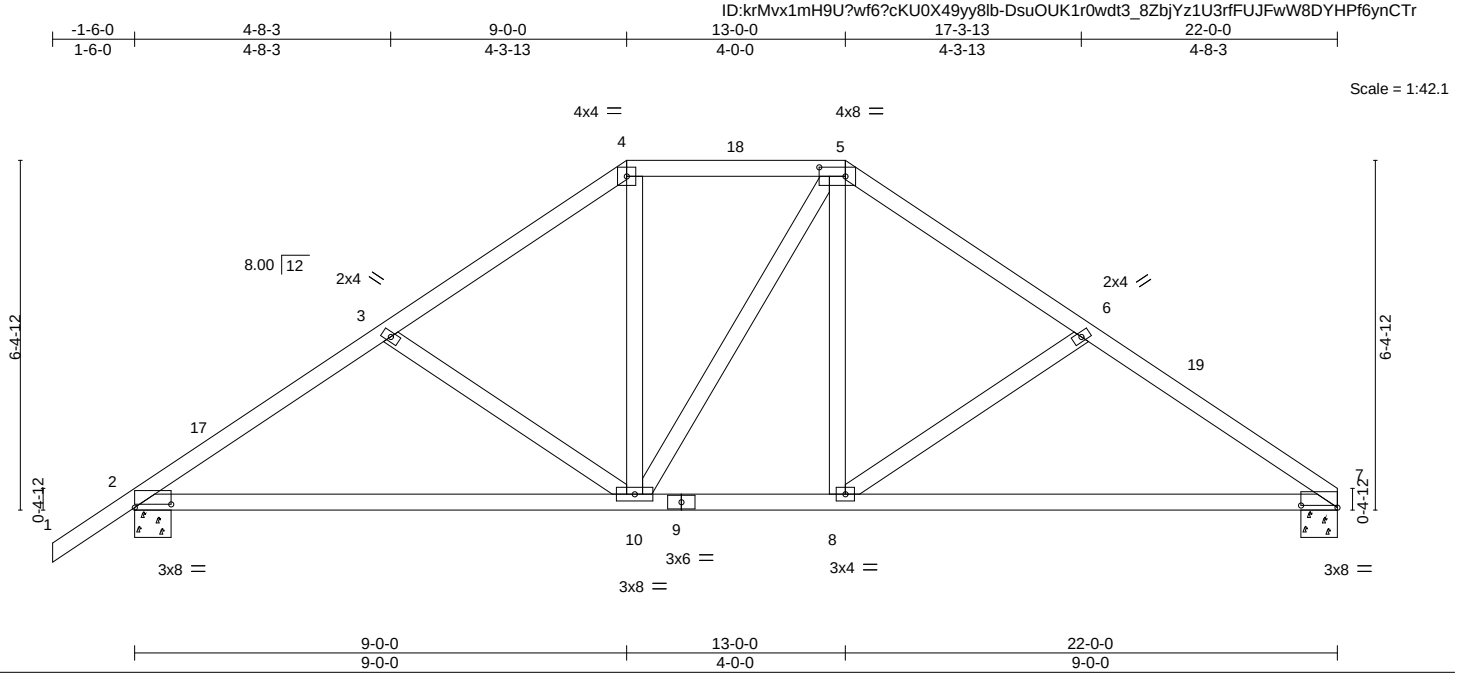



Plate Offsets (X,Y)-- [2:0-8-0,0-0-12], [5:0-5-12,0-2-0], [7:0-8-0,0-0-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.45 | Vert(LL) | -0.16 | 8-13 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.67 | Vert(CT) | -0.33 | 8-13 | >808 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.17 | Horz(CT) | 0.03 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-MS | | | | | | | Weight: 117 lb | FT = 20% |

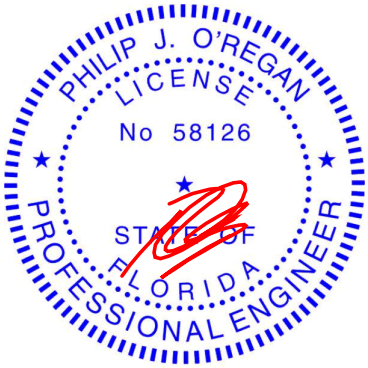
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 5-1-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 7=0-8-0, 2=0-8-0
Max Horz 2=147(LC 11)
Max Uplift 7=-166(LC 13), 2=-200(LC 12)
Max Grav 7=811(LC 1), 2=898(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1154/254, 3-4=-944/211, 4-5=-727/213, 5-6=-949/215, 6-7=-1163/261
BOT CHORD 2-10=-237/933, 8-10=-65/730, 7-8=-157/946
WEBS 3-10=-280/171, 4-10=-55/322, 5-8=-68/324, 6-8=-292/179

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-0-0, Exterior(2E) 9-0-0 to 13-0-0, Exterior(2R) 13-0-0 to 17-5-6, Interior(1) 17-5-6 to 22-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=166, 2=200.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T02 | Common | 2 | 1 | T25045016 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:24 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-DsuOUK1r0wdt3_8ZbjYz1U3t9FYTFuL8DYHPf6ynCTr

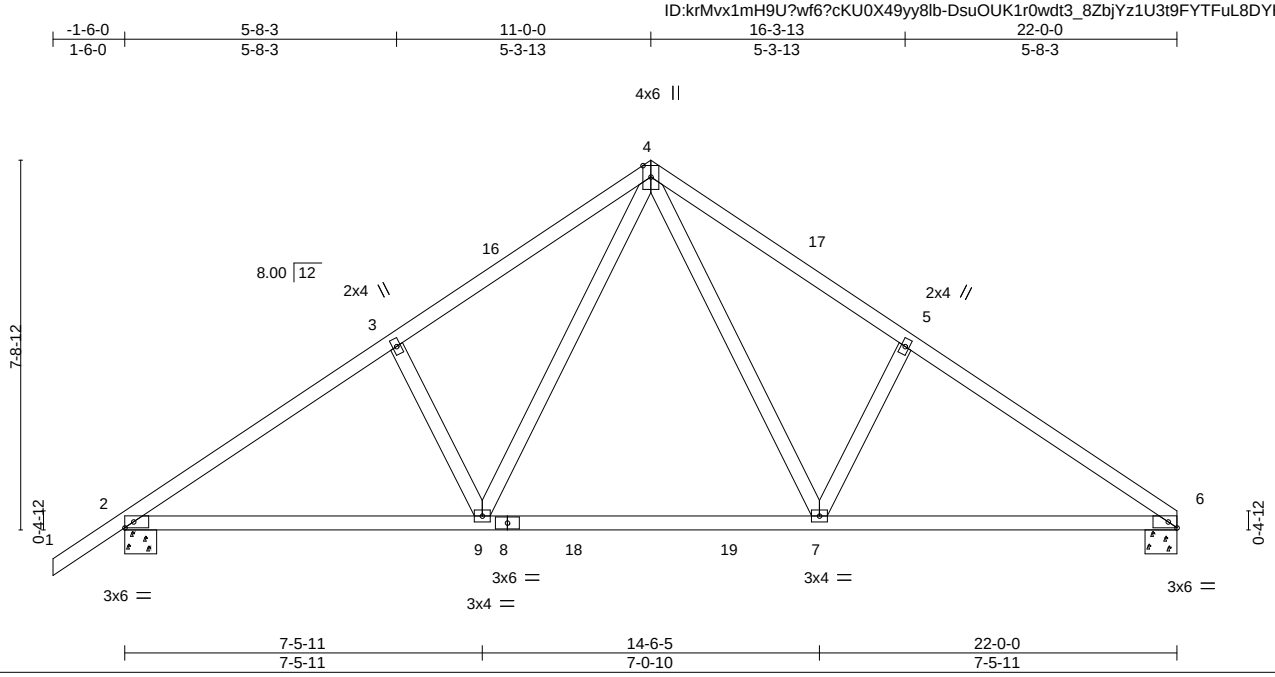



Plate Offsets (X,Y)-- [6:0-2-3,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.35 | Vert(LL) | -0.15 | 7-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.41 | Vert(CT) | -0.28 | 7-9 | >938 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.31 | Horz(CT) | 0.03 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 111 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.3

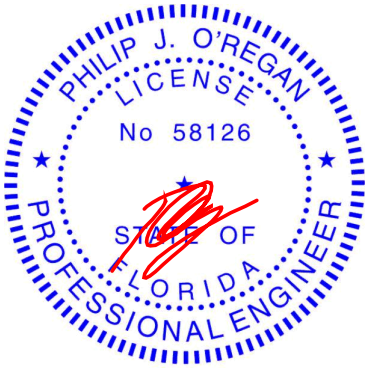
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-4-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 6=0-8-0, 2=0-8-0
Max Horz 2=176(LC 9)
Max Uplift 6=-217(LC 13), 2=-251(LC 12)
Max Grav 6=1137(LC 20), 2=1216(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1691/337, 3-4=-1601/389, 4-5=-1612/396, 5-6=-1701/344
BOT CHORD 2-9=-314/1463, 7-9=-128/967, 6-7=-219/1356
WEBS 4-7=-237/882, 5-7=-289/205, 4-9=-228/867, 3-9=-283/201

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 22-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=217, 2=251.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 9-13=-20, 7-9=-80(F=-60), 7-10=-20




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T03 | Common | 4 | 1 | T25045017 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:25 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-h3Rmhf2TnElkh7jl9Q4Cahb1WfnC_LkISC1yBYynCTq

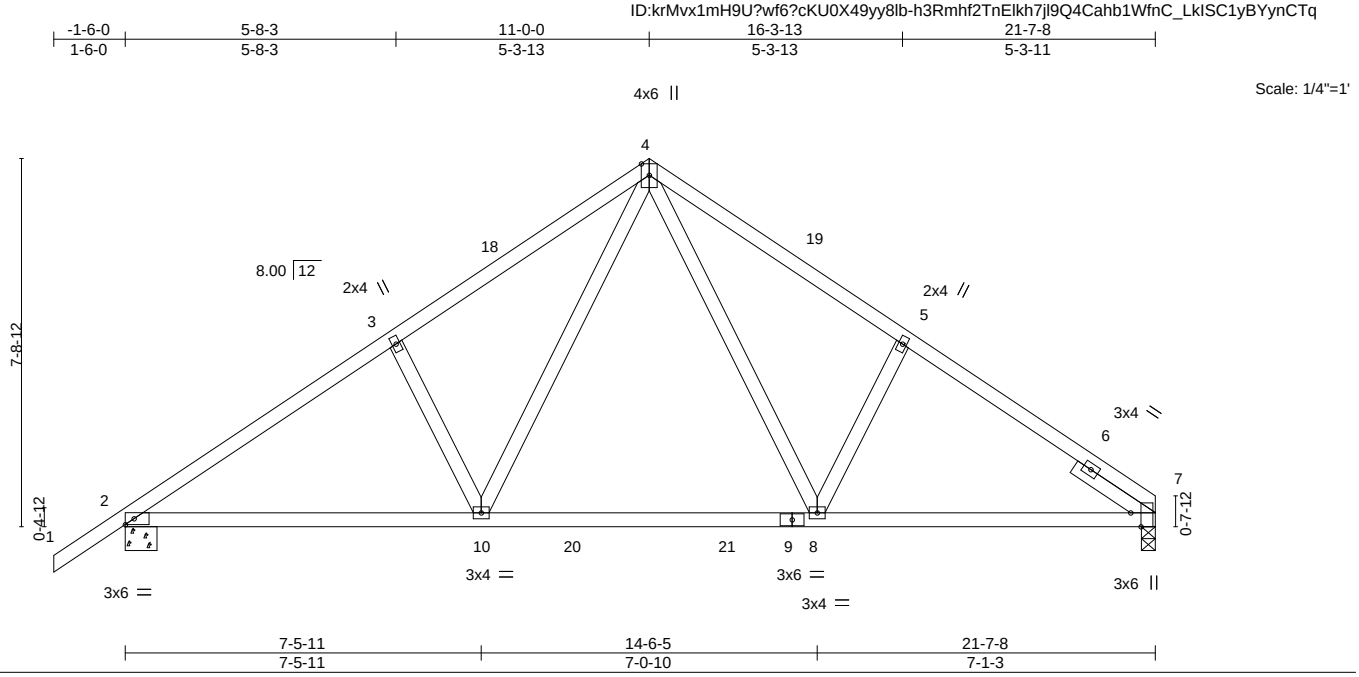



Plate Offsets (X,Y)-- [7:0-3-8,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.44 | Vert(LL) | -0.17 | 8-10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.89 | Vert(CT) | -0.31 | 8-10 | >846 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.30 | Horz(CT) | 0.03 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 112 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-9: 2x4 SP M 31
WEBS 2x4 SP No.3
SLIDER Right 2x4 SP No.3 1-11-8

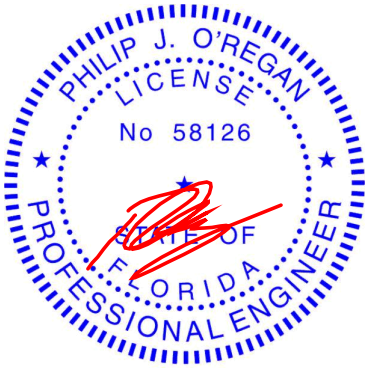
**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-4-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (size) 7=0-3-8, 2=0-8-0
Max Horz 2=176(LC 9)
Max Uplift 7=-214(LC 13), 2=-248(LC 12)
Max Grav 7=1124(LC 20), 2=1198(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1662/332, 3-4=-1572/384, 4-5=-1513/378, 5-7=-1575/327
BOT CHORD 2-10=-314/1437, 8-10=-128/935, 7-8=-207/1257
WEBS 3-10=-280/201, 4-10=-230/883, 4-8=-218/776

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 21-7-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=214, 2=248.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 10-15=-20, 8-10=-80(F=-60), 8-11=-20




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



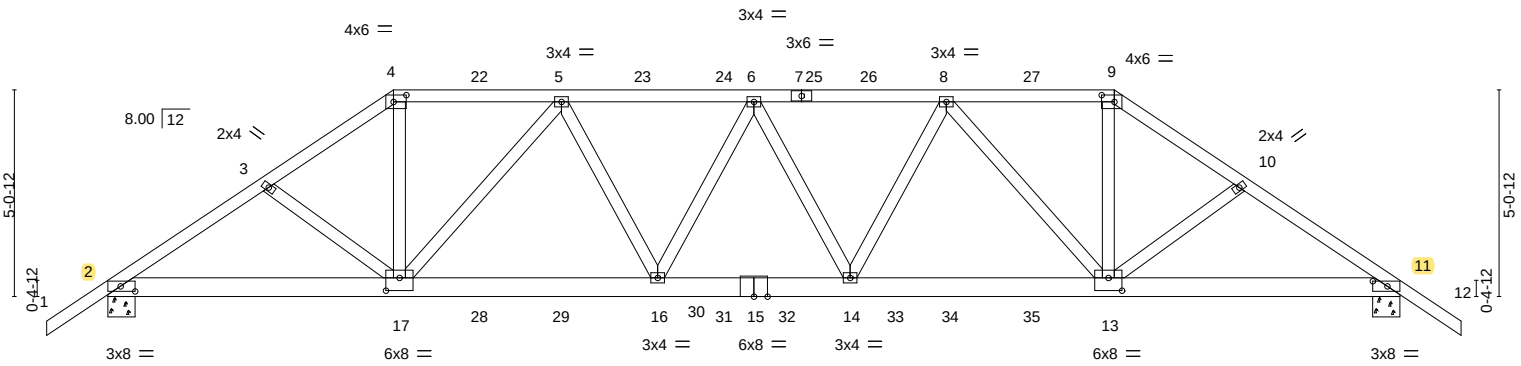
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T04 | Hip Girder | 1 | 1 | T25045018 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:27 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-eRZW6L3jIr?SwRs8Gr6gf6hM3SRAS4WawVW3FRynCTo

| -1-6-0 | 3-11-4 | 7-0-0 | 11-1-7 | 15-10-0 | 20-6-10 | 24-8-0 | 27-8-12 | 31-8-0 | 33-2-0 |
|---|---|---|---|---|---|---|---|---|---|
| 1-6-0 | 3-11-4 | 3-0-12 | 4-1-6 | 4-8-10 | 4-8-9 | 4-1-6 | 3-0-12 | 3-11-4 | 1-6-0 |

Scale = 1:56.5




| 7-0-0 | 13-5-11 | 18-2-5 | 24-8-0 | 31-8-0 |
|---|---|---|---|---|
| 7-0-0 | 6-5-11 | 4-8-10 | 6-5-11 | 7-0-0 |

Plate Offsets (X,Y)-- [2:0-4-5,0-1-8], [4:0-3-12,0-2-0], [9:0-3-12,0-2-0], [11:0-4-5,0-1-8], [13:0-4-0,0-3-12], [17:0-4-0,0-3-12]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.50 | Vert(LL) | 0.23 | 16-17 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.98 | Vert(CT) | -0.41 | 13-14 | >917 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.98 | Horz(CT) | 0.12 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 202 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-8-4 oc bracing.

**REACTIONS.** (size) 2=0-8-0, 11=0-8-0
Max Horz 2=-125(LC 6)
Max Uplift 2=-880(LC 8), 11=-906(LC 9)
Max Grav 2=2413(LC 1), 11=2453(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3953/1479, 3-4=-3799/1457, 4-5=-3181/1261, 5-6=-4414/1712, 6-8=-4430/1711, 8-9=-3239/1300, 9-10=-3869/1505, 10-11=-4023/1527
BOT CHORD 2-17=-1224/3241, 16-17=-1542/4045, 14-16=-1709/4499, 13-14=-1534/4076, 11-13=-1179/3300
WEBS 4-17=-689/1881, 5-17=-1373/601, 5-16=-321/850, 8-14=-287/808, 8-13=-1325/559, 9-13=-660/1850

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=880, 11=906.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 66 lb down and 51 lb up at 7-0-0, 66 lb down and 49 lb up at 9-0-12, 66 lb down and 49 lb up at 11-0-12, 66 lb down and 49 lb up at 13-0-12, 66 lb down and 47 lb up at 15-0-12, 66 lb down and 47 lb up at 16-7-4, 66 lb down and 49 lb up at 18-7-4, 66 lb down and 49 lb up at 20-7-4, and 66 lb down and 49 lb up at 22-7-4, and 171 lb down and 155 lb up at 24-8-0 on top chord, and 431 lb down and 220 lb up at 7-0-0, 156 lb down and 78 lb up at 9-0-12, 156 lb down and 78 lb up at 11-0-12, 156 lb down and 78 lb up at 13-0-12, 156 lb down and 78 lb up at 15-0-12, 156 lb down and 78 lb up at 16-7-4, 156 lb down and 78 lb up at 18-7-4, 156 lb down and 78 lb up at 20-7-4, and 156 lb down and 78 lb up at 22-7-4, and 431 lb down and 220 lb up at 24-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

Continued on page 2

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

**LOAD CASE(S)** Standard

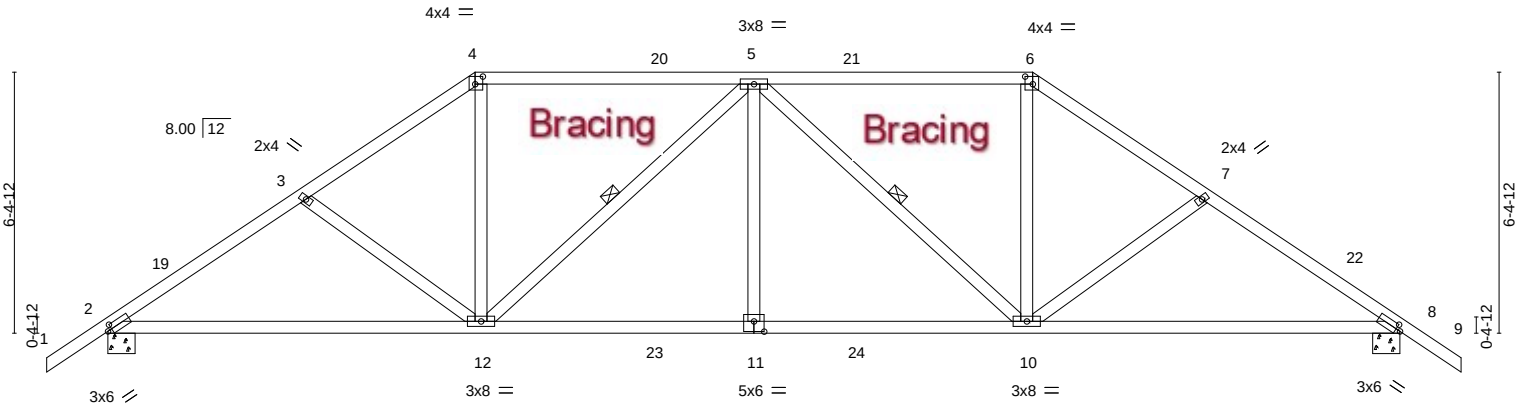
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-9=-54, 9-12=-54, 2-11=-20
   Concentrated Loads (lb)
   Vert: 4=-18(F) 9=-89(F) 17=-431(F) 5=-18(F) 8=-18(F) 13=-431(F) 22=-18(F) 23=-18(F) 24=-18(F) 25=-18(F) 26=-18(F) 27=-18(F) 28=-156(F) 29=-156(F) 30=-156(F) 31=-156(F) 32=-156(F) 33=-156(F) 34=-156(F) 35=-156(F)

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T05 | Hip | 1 | 1 | T25045019 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:28 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-6e7uKh4L397JYbRKqYdvCKDWOspQBink89FcotynCTn

| -1-6-0 | 4-10-4 | 9-0-0 | 15-10-0 | 22-8-0 | 26-9-12 | 31-8-0 | 33-2-0 |
|---|---|---|---|---|---|---|---|
| 1-6-0 | 4-10-4 | 4-1-12 | 6-10-0 | 6-10-0 | 4-1-12 | 4-10-4 | 1-6-0 |

Scale = 1:56.5




| 9-0-0 | 15-10-0 | 22-8-0 | 31-8-0 |
|---|---|---|---|
| 9-0-0 | 6-10-0 | 6-10-0 | 9-0-0 |

Plate Offsets (X,Y)-- [2:0-1-5,0-1-8], [4:0-2-4,0-2-4], [6:0-2-4,0-2-4], [8:0-1-5,0-1-8], [11:0-3-0,0-3-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.53 | Vert(LL) | -0.15 | 12-15 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.79 | Vert(CT) | -0.31 | 12-15 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.28 | Horz(CT) | 0.08 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 173 lb | FT = 20% |

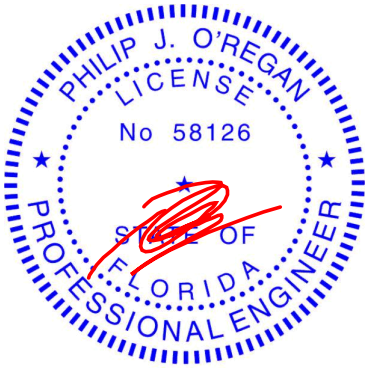
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

**REACTIONS.** (size) 2=0-8-0, 8=0-8-0
Max Horz 2=-155(LC 10)
Max Uplift 2=-282(LC 12), 8=-282(LC 13)
Max Grav 2=1354(LC 2), 8=1354(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1918/392, 3-4=-1749/357, 4-5=-1422/337, 5-6=-1422/337, 6-7=-1749/357, 7-8=-1918/392
BOT CHORD 2-12=-334/1577, 11-12=-289/1756, 10-11=-289/1756, 8-10=-229/1577
WEBS 3-12=-283/161, 4-12=-94/730, 5-12=-510/192, 5-11=0/315, 5-10=-510/192, 6-10=-94/730, 7-10=-283/162

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-8-0, Interior(1) 1-8-0 to 9-0-0, Exterior(2R) 9-0-0 to 13-5-12, Interior(1) 13-5-12 to 22-8-0, Exterior(2R) 22-8-0 to 26-11-4, Interior(1) 26-11-4 to 33-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=282, 8=282.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



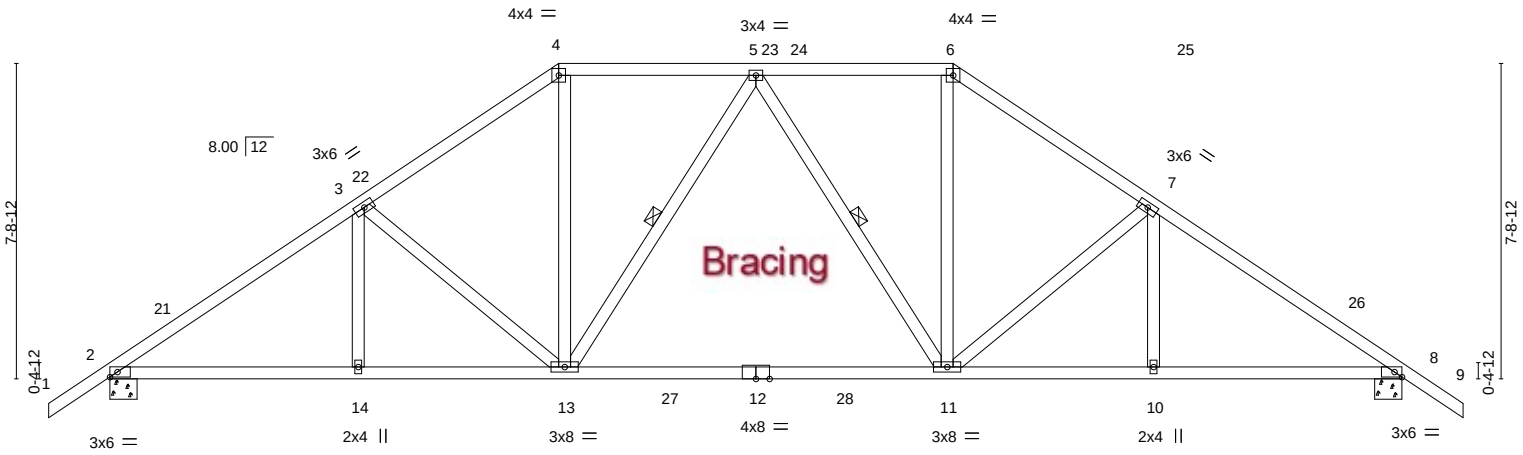
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T06 | Hip | 1 | 1 | T25045020 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:29 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-aqhHX15zqTFA9l0WOG88kXmlUG6gw8qtNp?AKJynCTm

-1-6-0 6-1-1 11-0-0 15-10-0 20-8-0 25-6-15 31-8-0 33-2-0
1-6-0 6-1-1 4-10-15 4-10-0 4-10-0 4-10-15 6-1-1 1-6-0

Scale = 1:56.5




6-1-1 11-0-0 20-8-0 25-6-15 31-8-0
6-1-1 4-10-15 9-8-0 4-10-15 6-1-1

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

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.31 | Vert(LL) | -0.33 | 11-13 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.98 | Vert(CT) | -0.55 | 11-13 | >688 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.36 | Horz(CT) | 0.07 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 183 lb | FT = 20% |

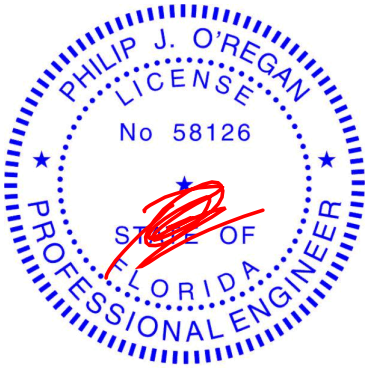
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 11-13.
WEBS 1 Row at midpt 5-13, 5-11

**REACTIONS.** (size) 2=0-8-0, 8=0-8-0
Max Horz 2=-184(LC 10)
Max Uplift 2=-277(LC 12), 8=-277(LC 13)
Max Grav 2=1349(LC 2), 8=1349(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1941/367, 3-4=-1614/340, 4-5=-1295/323, 5-6=-1295/323, 6-7=-1614/340, 7-8=-1941/367
BOT CHORD 2-14=-318/1599, 13-14=-318/1599, 11-13=-180/1369, 10-11=-194/1563, 8-10=-194/1563
WEBS 3-13=-444/201, 4-13=-107/675, 5-13=-265/161, 5-11=-265/161, 6-11=-107/675, 7-11=-444/201

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-8-0, Interior(1) 1-8-0 to 11-0-0, Exterior(2R) 11-0-0 to 15-5-12, Interior(1) 15-5-12 to 20-8-0, Exterior(2R) 20-8-0 to 25-1-12, Interior(1) 25-1-12 to 33-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=277, 8=277.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021




MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T07 | Hip | 1 | 1 | T25045021 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:30 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-20FfkN5bbmN1nvbjxzfNHlJuGgYofV61cTkjslynCTl

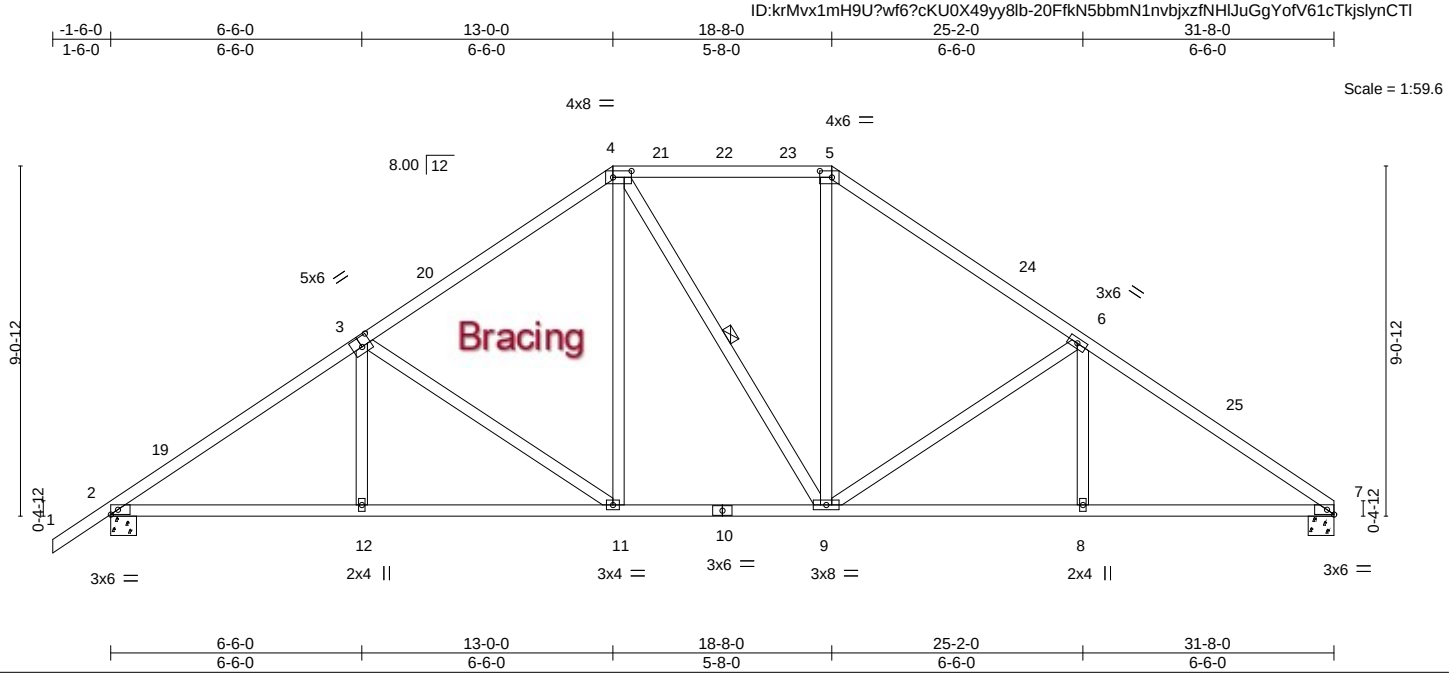



Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [4:0-5-12,0-2-0], [5:0-3-12,0-2-0], [7:0-2-3,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.44 | Vert(LL) | -0.10 | 11-12 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.60 | Vert(CT) | -0.19 | 11-12 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.74 | Horz(CT) | 0.07 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-MS | | | | | | | Weight: 180 lb | FT = 20% |

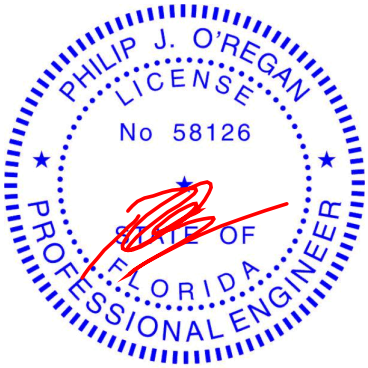
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-10-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-14 oc bracing.
WEBS 1 Row at midpt 4-9

**REACTIONS.** (size) 7=0-8-0, 2=0-8-0
Max Horz 2=206(LC 9)
Max Uplift 7=-240(LC 13), 2=-273(LC 12)
Max Grav 7=1273(LC 20), 2=1353(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1938/358, 3-4=-1458/312, 4-5=-1141/316, 5-6=-1452/315, 6-7=-1939/365
BOT CHORD 2-12=-345/1661, 11-12=-345/1665, 9-11=-146/1166, 8-9=-222/1562, 7-8=-222/1562
WEBS 3-12=0/277, 3-11=-606/239, 4-11=-93/567, 5-9=-87/540, 6-9=-615/247, 6-8=0/279

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-8-0, Interior(1) 1-8-0 to 13-0-0, Exterior(2R) 13-0-0 to 17-5-12, Interior(1) 17-5-12 to 18-8-0, Exterior(2R) 18-8-0 to 23-1-12, Interior(1) 23-1-12 to 31-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=240, 2=273.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T08 | Hip | 1 | 1 | T25045022 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:31 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-WDp1yj6EM4VuP2AvVhAcpyr0C4tKO3bAq7UGOCynCTk

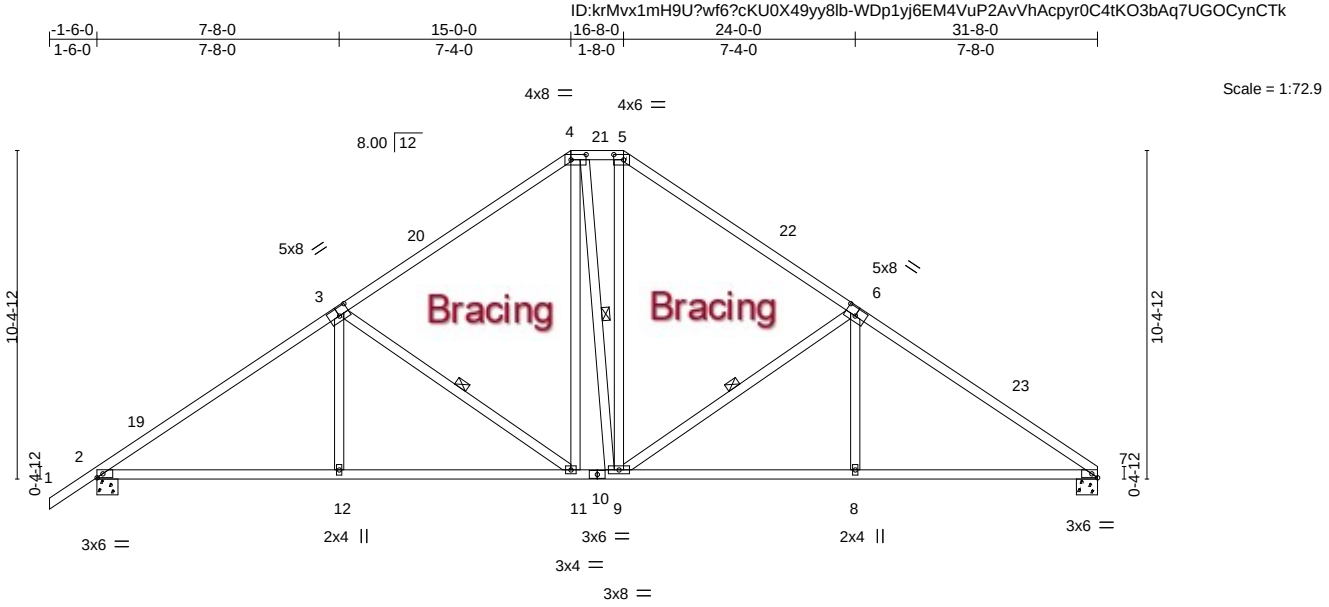



Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [4:0-5-12,0-2-0], [5:0-3-12,0-2-0], [6:0-4-0,0-3-0], [7:0-2-3,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.62 | Vert(LL) | 0.10 | 8-18 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.65 | Vert(CT) | -0.19 | 8-18 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.27 | Horz(CT) | 0.06 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 191 lb | FT = 20% |

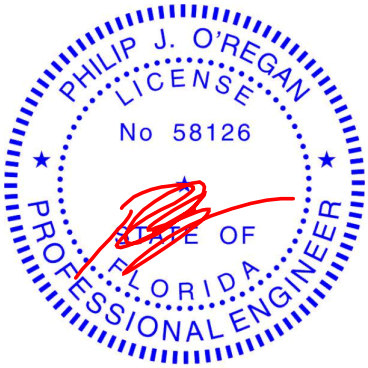
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-8-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-10 oc bracing.
WEBS 1 Row at midpt 3-11, 4-9, 6-9

**REACTIONS.** (size) 2=0-8-0, 7=0-8-0
Max Horz 2=236(LC 9)
Max Uplift 2=-267(LC 12), 7=-234(LC 13)
Max Grav 2=1255(LC 1), 7=1170(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1762/339, 3-4=-1236/308, 4-5=-930/301, 5-6=-1239/307, 6-7=-1769/346
BOT CHORD 2-12=-334/1388, 11-12=-334/1391, 9-11=-105/927, 8-9=-192/1399, 7-8=-192/1396
WEBS 3-12=0/329, 3-11=-598/279, 4-11=-117/396, 5-9=-139/423, 6-9=-606/286, 6-8=0/327

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-8-0, Interior(1) 1-8-0 to 15-0-0, Exterior(2E) 15-0-0 to 16-8-0, Exterior(2R) 16-8-0 to 21-1-12, Interior(1) 21-1-12 to 31-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=267, 7=234.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T09 | Common | 1 | 1 | T25045023 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:32 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-_PMP937s7Odl0Cl53OirMAO9wTCq7VFK3nDqxeynCTj

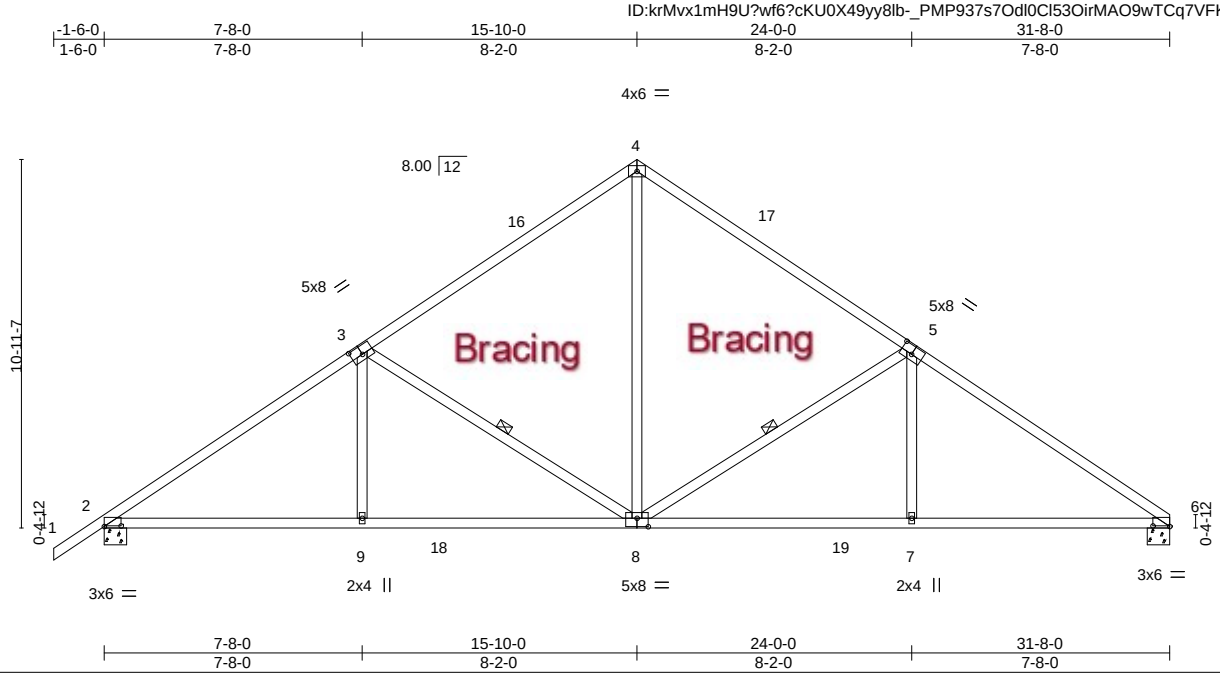



Plate Offsets (X,Y)-- [2:0-6-0,0-0-3], [3:0-4-0,0-3-0], [5:0-4-0,0-3-0], [6:0-6-0,0-0-3], [8:0-4-0,0-3-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.75 | Vert(LL) | -0.14 | 8-9 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.76 | Vert(CT) | -0.25 | 8-9 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.38 | Horz(CT) | 0.07 | 6 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 165 lb | FT = 20% |

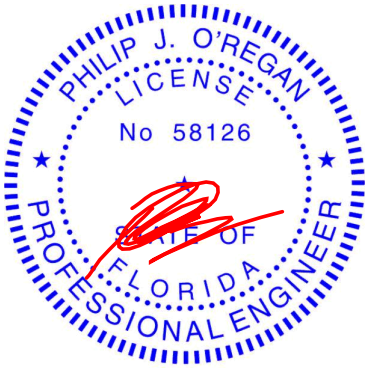
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 9-9-11 oc bracing.
WEBS 1 Row at midpt 5-8, 3-8

**REACTIONS.** (size) 2=0-8-0, 6=0-8-0
Max Horz 2=247(LC 11)
Max Uplift 2=-264(LC 12), 6=-231(LC 13)
Max Grav 2=1412(LC 19), 6=1335(LC 20)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1968/338, 3-4=-1338/312, 4-5=-1337/312, 5-6=-1978/345
BOT CHORD 2-9=-344/1733, 8-9=-343/1737, 7-8=-205/1573, 6-7=-205/1568
WEBS 4-8=-167/1003, 5-8=-784/307, 5-7=0/372, 3-8=-773/300, 3-9=0/371

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-8-0, Interior(1) 1-8-0 to 15-10-0, Exterior(2R) 15-10-0 to 19-0-0, Interior(1) 19-0-0 to 31-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=264, 6=231.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



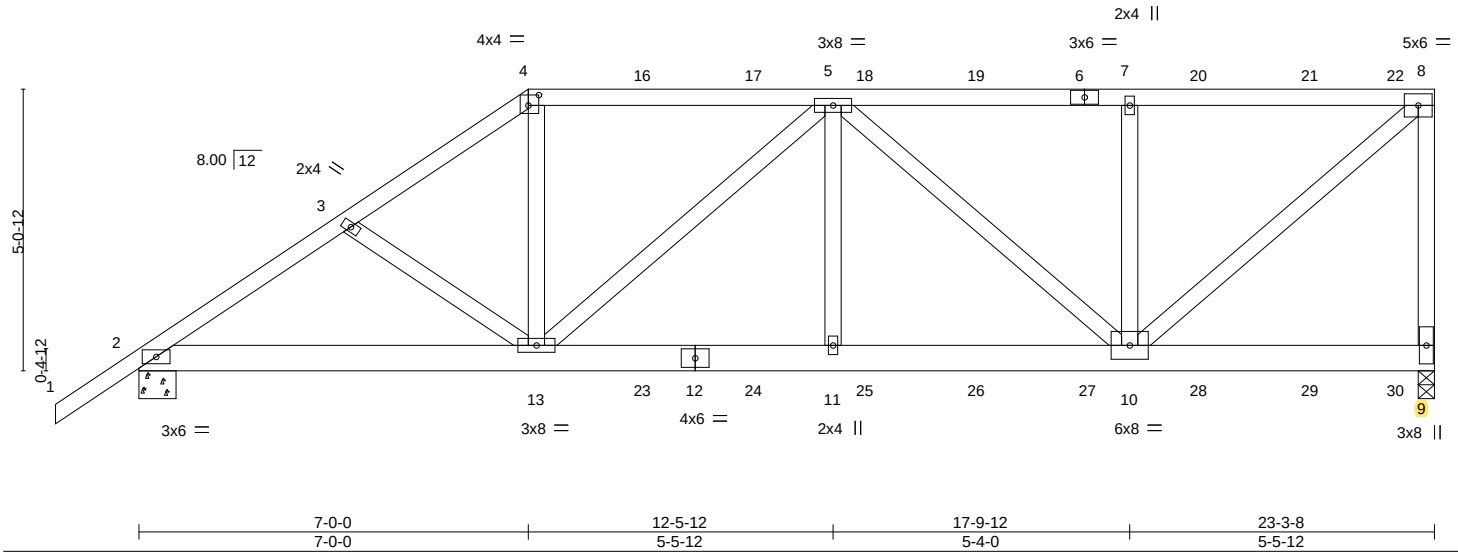
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T10 | Half Hip Girder | 1 | 1 | T25045024 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:33 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-SbwnNP8UuhlceMKId6D4uNxHWta7sqmTIRzNT4ynCTi

-1-6-0 | 3-9-11 | 7-0-0 | 12-5-12 | 17-9-12 | 23-3-8
1-6-0 | 3-9-11 | 3-2-5 | 5-5-12 | 5-4-0 | 5-5-12

Scale = 1:41.4




7-0-0 | 12-5-12 | 17-9-12 | 23-3-8
7-0-0 | 5-5-12 | 5-4-0 | 5-5-12

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

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.95 | Vert(LL) | 0.10 | 11-13 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.63 | Vert(CT) | -0.17 | 11-13 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.87 | Horz(CT) | 0.04 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 155 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-6-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-6-6 oc bracing.

**REACTIONS.** (size) 9=0-3-8, 2=0-8-0
Max Horz 2=191(LC 8)
Max Uplift 9=-770(LC 5), 2=-594(LC 8)
Max Grav 9=1971(LC 1), 2=1681(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2629/965, 3-4=-2483/940, 4-5=-2057/825, 5-7=-1741/673, 7-8=-1741/673, 8-9=-1677/682
BOT CHORD 2-13=-907/2148, 11-13=-944/2402, 10-11=-944/2402
WEBS 4-13=-372/1097, 5-13=-459/256, 5-11=-151/560, 5-10=-879/381, 7-10=-356/210, 8-10=-881/2285

**NOTES-**
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=770, 2=594.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 66 lb down and 51 lb up at 7-0-0, 66 lb down and 49 lb up at 9-0-12, 66 lb down and 49 lb up at 11-0-12, 66 lb down and 49 lb up at 13-0-12, 66 lb down and 41 lb up at 15-0-12, 66 lb down and 49 lb up at 17-0-12, 66 lb down and 49 lb up at 19-0-12, and 66 lb down and 49 lb up at 21-0-12, and 60 lb down and 51 lb up at 22-7-4 on top chord, and 431 lb down and 220 lb up at 7-0-0, 156 lb down and 78 lb up at 9-0-12, 156 lb down and 78 lb up at 11-0-12, 156 lb down and 78 lb up at 13-0-12, 156 lb down and 78 lb up at 15-0-12, 156 lb down and 78 lb up at 17-0-12, 156 lb down and 78 lb up at 19-0-12, and 156 lb down and 78 lb up at 21-0-12, and 160 lb down and 73 lb up at 22-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021

Continued on page 2



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

**LOAD CASE(S)** Standard

Uniform Loads (plf)

Vert: 1-4=-54, 4-8=-54, 2-9=-20

Concentrated Loads (lb)

Vert: 4=-18(B) 6=-18(B) 13=-431(B) 16=-18(B) 17=-18(B) 18=-18(B) 19=-18(B) 20=-18(B) 21=-18(B) 22=-31(B) 23=-156(B) 24=-156(B) 25=-156(B) 26=-156(B) 27=-156(B) 28=-156(B) 29=-156(B) 30=-160(B)

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T11 | Half Hip | 1 | 1 | T25045025 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:34 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-xnUAak96f?tTGWvUApkJRbTX8HvRbNrcX5ix?XynCTh

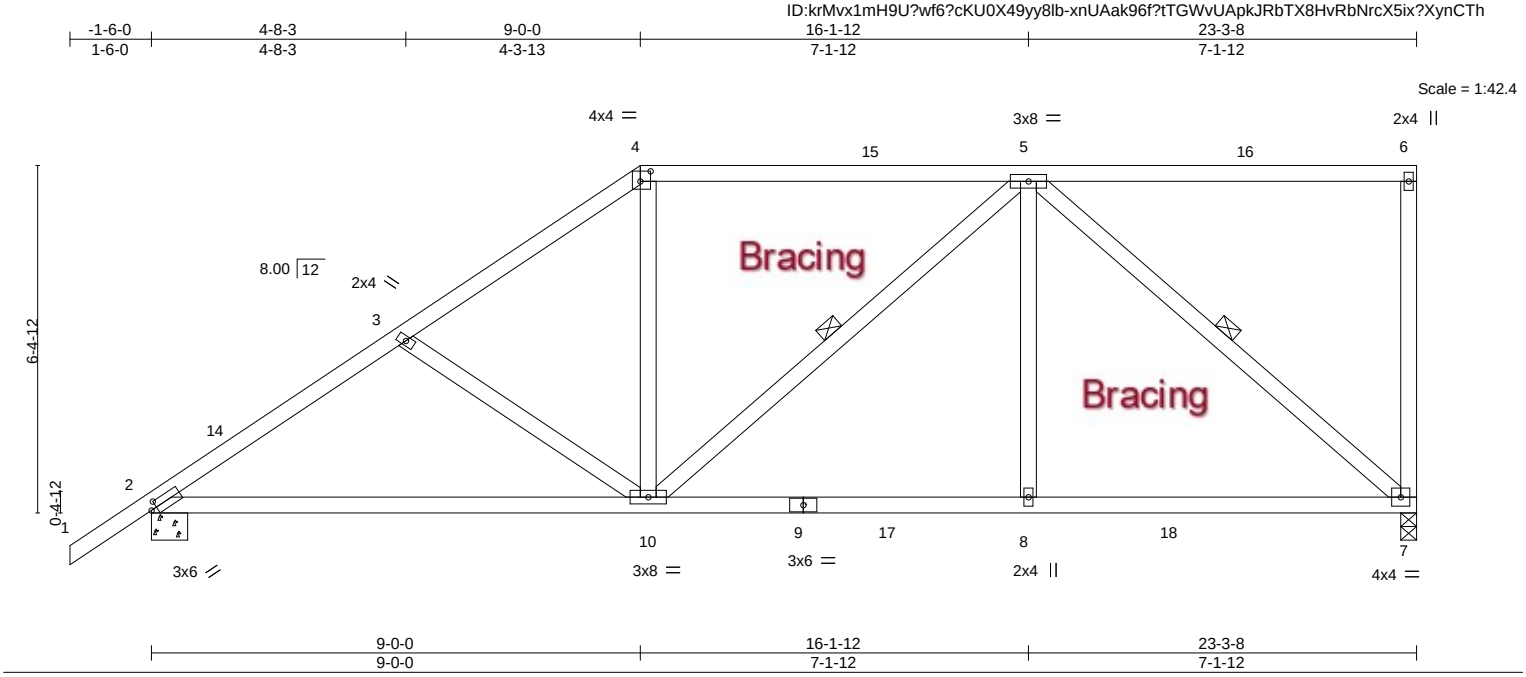



Plate Offsets (X,Y)-- [2:0-1-5,0-1-8], [4:0-2-4,0-2-4]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.58 | Vert(LL) | -0.14 | 10-13 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.69 | Vert(CT) | -0.29 | 10-13 | >950 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.50 | Horz(CT) | 0.04 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-MS | | | | | | | Weight: 135 lb | FT = 20% |

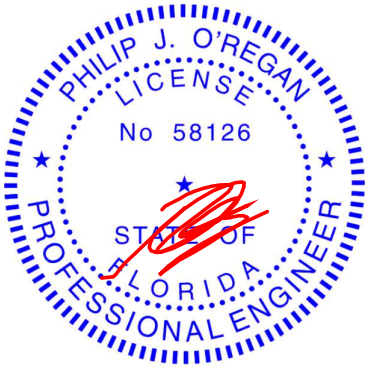
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-8-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-6-0 oc bracing.
WEBS 1 Row at midpt 5-10, 5-7

**REACTIONS.** (size) 7=0-3-8, 2=0-8-0
Max Horz 2=237(LC 12)
Max Uplift 7=-221(LC 9), 2=-221(LC 12)
Max Grav 7=966(LC 2), 2=1006(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1310/289, 3-4=-1134/248, 4-5=-901/248
BOT CHORD 2-10=-383/1078, 8-10=-192/850, 7-8=-192/850
WEBS 3-10=-295/163, 4-10=-4/377, 5-8=0/382, 5-7=-1105/250

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-0-0, Exterior(2R) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 23-1-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=221, 2=221.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T12 | Half Hip | 1 | 1 | T25045026 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:35 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-P_2Yo49kQJ?JtgTgkWFY_o0lGhHEKrNmllSUXzynCTg

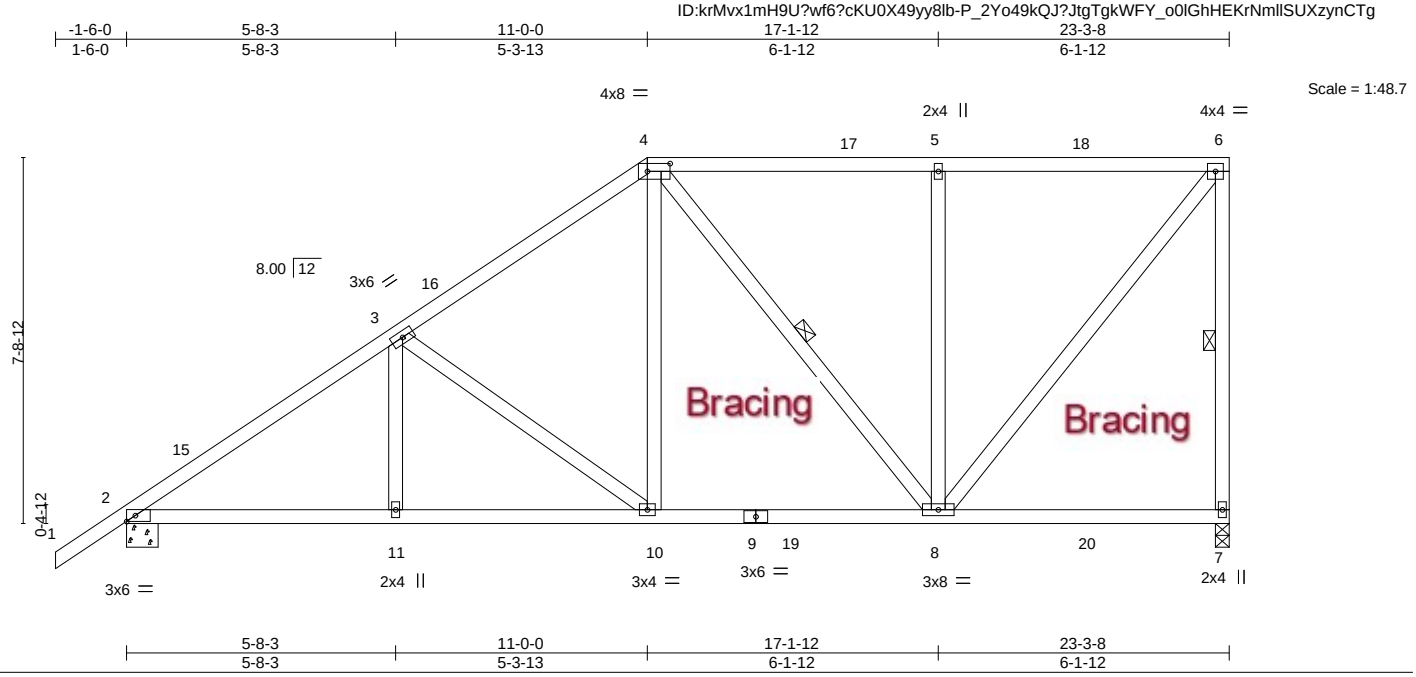



Plate Offsets (X,Y)-- [4:0-5-12,0-2-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.42 | Vert(LL) | -0.06 | 8-10 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.46 | Vert(CT) | -0.10 | 7-8 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.42 | Horz(CT) | 0.03 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-MS | | | | | | | Weight: 149 lb | FT = 20% |

**LUMBER-**

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

**BRACING-**

| | |
|---|---|
| TOP CHORD | Structural wood sheathing directly applied or 4-11-2 oc purlins, except end verticals. |
| BOT CHORD | Rigid ceiling directly applied or 9-4-6 oc bracing. |
| WEBS | 1 Row at midpt 6-7, 4-8 |

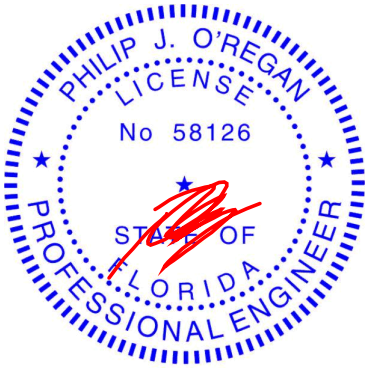
**REACTIONS.** (size) 7=0-3-8, 2=0-8-0
Max Horz 2=283(LC 12)
Max Uplift 7=-216(LC 9), 2=-212(LC 12)
Max Grav 7=976(LC 2), 2=1022(LC 19)

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

| | |
|---|---|
| TOP CHORD | 2-3=-1367/254, 3-4=-980/222, 4-5=-612/150, 5-6=-612/150, 6-7=-856/230 |
| BOT CHORD | 2-11=-390/1127, 10-11=-390/1127, 8-10=-231/763 |
| WEBS | 3-10=-495/196, 4-10=-78/513, 4-8=-300/127, 5-8=-386/190, 6-8=-239/959 |

**NOTES-**

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-0-0, Exterior(2R) 11-0-0 to 15-2-15, Interior(1) 15-2-15 to 23-1-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=216, 2=212.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021




MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T13 | Half Hip | 1 | 1 | T25045027 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:36 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-tAcw?QAMBc7AVq2sIEmnW0Zvg5dr3DZv_PB14PynCTf

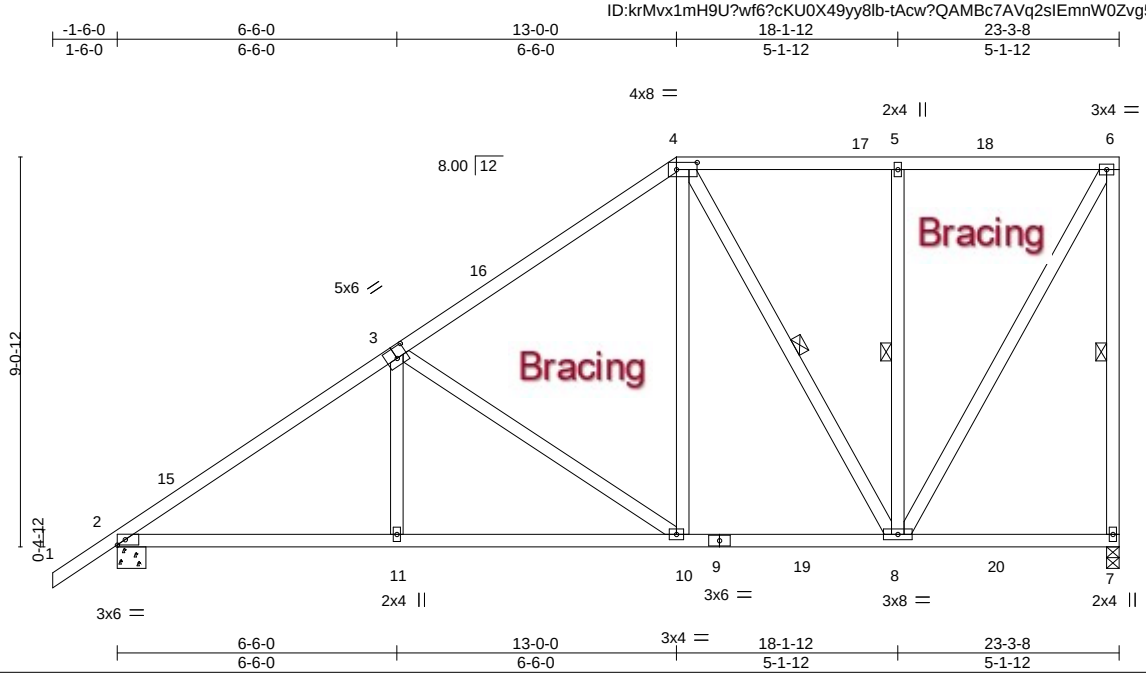



Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [4:0-5-12,0-2-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.45 | Vert(LL) | -0.06 | 10-11 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.50 | Vert(CT) | -0.12 | 10-11 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.74 | Horz(CT) | 0.03 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-MS | | | | | | | Weight: 160 lb | FT = 20% |

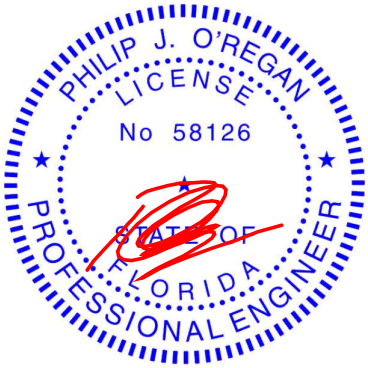
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-11-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-1-5 oc bracing.
WEBS 1 Row at midpt 6-7, 4-8, 5-8

**REACTIONS.** (size) 7=0-3-8, 2=0-8-0
Max Horz 2=329(LC 12)
Max Uplift 7=-221(LC 12), 2=-200(LC 12)
Max Grav 7=977(LC 2), 2=1039(LC 19)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1354/229, 3-4=-851/181, 4-5=-451/122, 5-6=-451/122, 6-7=-873/233
BOT CHORD 2-11=-408/1140, 10-11=-408/1144, 8-10=-207/640
WEBS 3-11=0/282, 3-10=-616/240, 4-10=-93/564, 4-8=-437/169, 5-8=-322/162, 6-8=-246/899

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 13-0-0, Exterior(2R) 13-0-0 to 17-2-15, Interior(1) 17-2-15 to 23-1-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=221, 2=200.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T14 | Hip | 1 | 1 | T25045028 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:37 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-LMAICmB_ywF17zd3sxH03D5?xUvkogw3D3xbcrynCTe

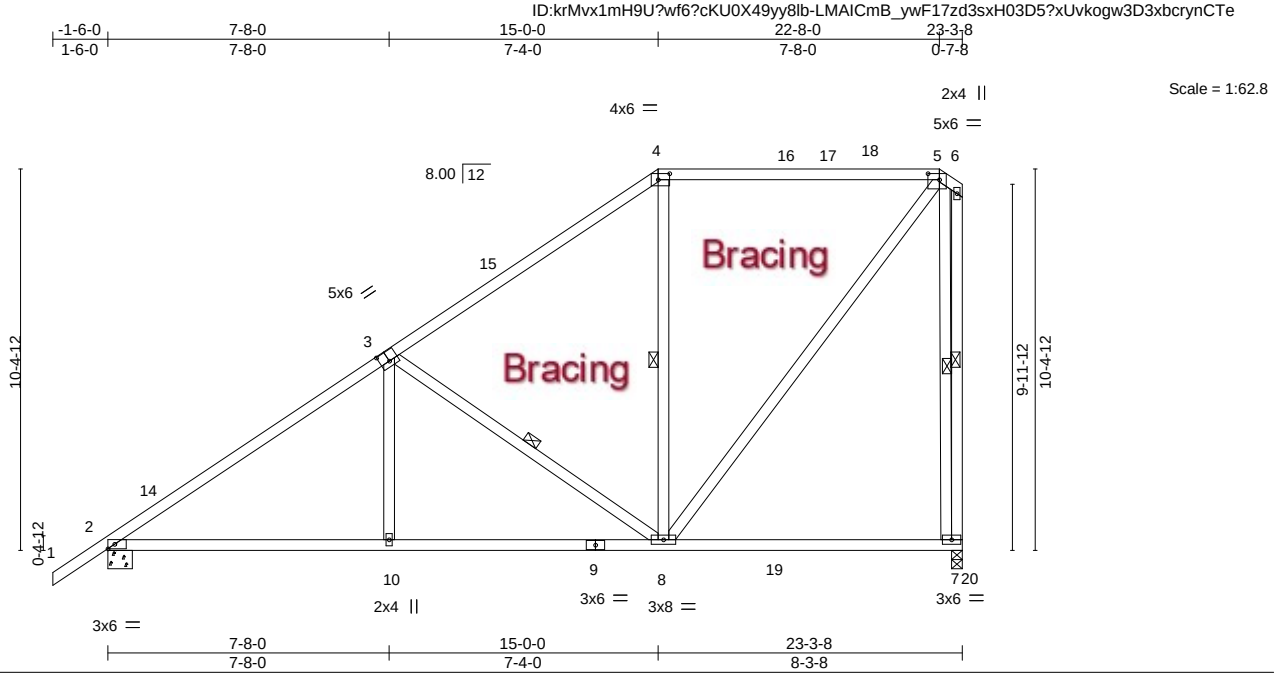



Plate Offsets (X,Y)-- [3:0-3-0,0-3-4], [4:0-3-12,0-2-0], [5:0-3-12,0-2-0]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.73 | Vert(LL) | -0.22 | 7-8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.71 | Vert(CT) | -0.35 | 7-8 | >803 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.73 | Horz(CT) | 0.02 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 159 lb | FT = 20% |

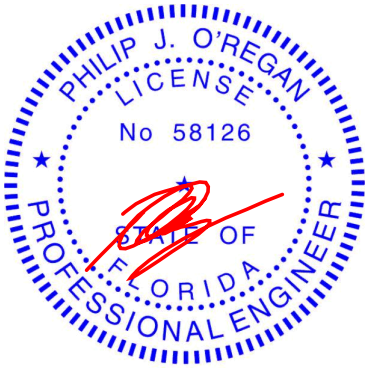
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-8: 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-8-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-11-13 oc bracing.
WEBS 1 Row at midpt 3-8, 4-8, 6-7, 5-7

**REACTIONS.** (size) 2=0-8-0, 7=0-3-8
Max Horz 2=368(LC 12)
Max Uplift 2=-186(LC 12), 7=-245(LC 12)
Max Grav 2=1048(LC 19), 7=973(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1308/196, 3-4=-723/140, 4-5=-532/177
BOT CHORD 2-10=-405/1098, 8-10=-404/1102
WEBS 3-10=0/309, 3-8=-695/281, 5-8=-260/806, 5-7=-966/331

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 15-0-0, Exterior(2R) 15-0-0 to 19-2-15, Interior(1) 19-2-15 to 22-8-0, Exterior(2E) 22-8-0 to 23-1-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=186, 7=245.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T15 | Piggyback Base | 3 | 1 | T25045029 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:38 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-pZkgQ6CdjENuk7CFPfoFbRe9vuFzX7ACRjg88lynCTd

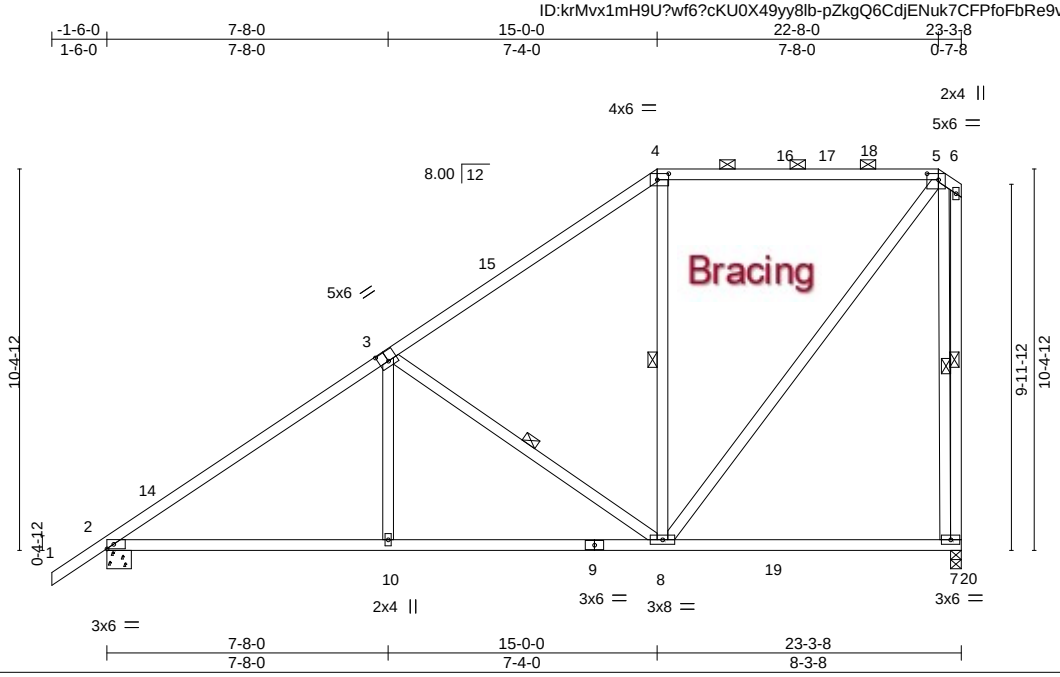



Plate Offsets (X,Y)-- [3:0-3-0,0-3-4], [4:0-3-12,0-2-0], [5:0-3-12,0-2-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.78 | Vert(LL) | -0.22 | 7-8 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.71 | Vert(CT) | -0.35 | 7-8 | >803 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.73 | Horz(CT) | 0.02 | 7 | n/a | n/a | | |
| BCDL | 10.0 | Code | FBC2020/TPI2014 | Matrix-MS | | | | | | | Weight: 159 lb | FT = 20% |

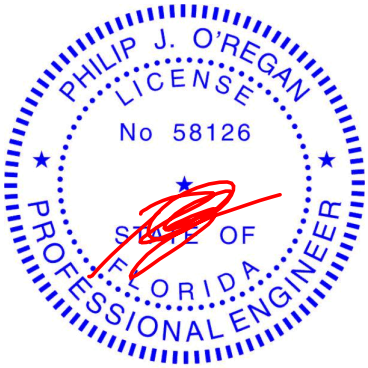
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-8: 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 4-8-3 oc purlins, except end verticals, and 2-0-0 oc purlins (5-5-3 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 8-11-13 oc bracing.
WEBS 1 Row at midpt 3-8, 4-8, 6-7, 5-7

**REACTIONS.** (size) 2=0-8-0, 7=0-3-8
Max Horz 2=368(LC 12)
Max Uplift 2=-186(LC 12), 7=-245(LC 12)
Max Grav 2=1046(LC 19), 7=973(LC 2)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1303/196, 3-4=-723/140, 4-5=-528/177
BOT CHORD 2-10=-405/1100, 8-10=-404/1104
WEBS 3-10=0/309, 3-8=-695/281, 5-8=-260/810, 5-7=-966/331

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 15-0-0, Exterior(2R) 15-0-0 to 19-2-15, Interior(1) 19-2-15 to 22-8-0, Exterior(2E) 22-8-0 to 23-1-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=186, 7=245.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T17 | Roof Special | 1 | 1 | T25045030 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:39 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-HII3dSCFUXVlMHnRzMKU8eALNIZjGY3LgNQigkynCTc

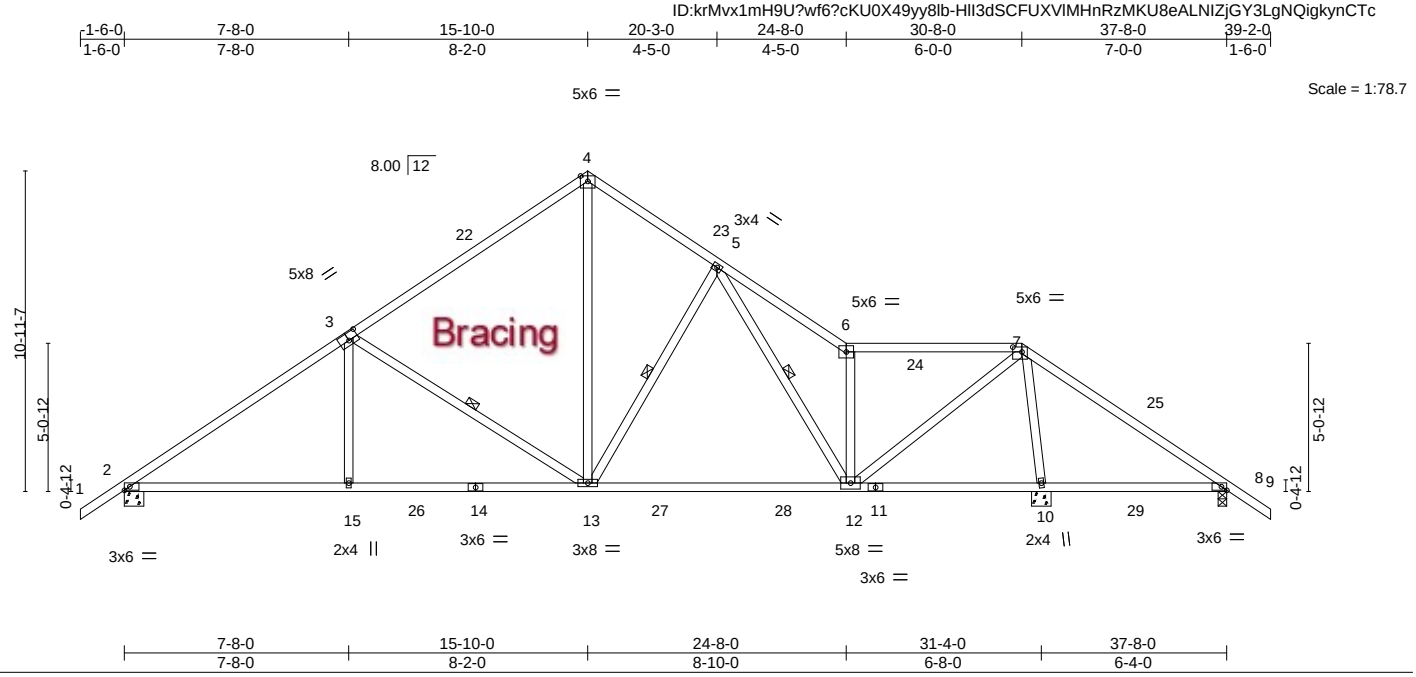



Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [7:0-3-12,0-2-0], [8:0-2-3,Edge]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.74 | Vert(LL) | 0.12 | 10-21 | >636 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.87 | Vert(CT) | -0.45 | 12-13 | >840 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.82 | Horz(CT) | 0.04 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 214 lb | FT = 20% |

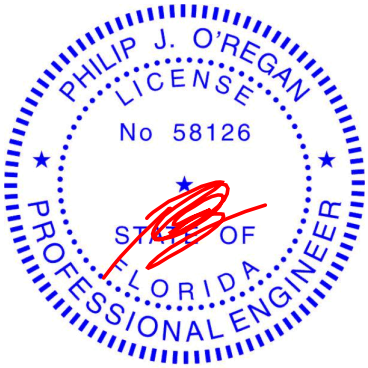
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-13, 5-13, 5-12

**REACTIONS.** (size) 2=0-8-0, 10=0-8-0, 8=0-3-8
Max Horz 2=-255(LC 10)
Max Uplift 2=-248(LC 12), 10=-365(LC 13), 8=-269(LC 19)
Max Grav 2=1310(LC 19), 10=2124(LC 2), 8=45(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1783/317, 3-4=-1143/296, 4-5=-1088/316, 5-6=-1212/353, 6-7=-942/240, 7-8=-132/947
BOT CHORD 2-15=-306/1591, 13-15=-305/1595, 12-13=-77/997, 10-12=-420/141, 8-10=-686/194
WEBS 3-15=0/353, 3-13=-765/302, 4-13=-200/876, 5-13=-276/219, 6-12=-853/310, 7-12=-236/1782, 7-10=-1882/371

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-3-3, Interior(1) 2-3-3 to 15-10-0, Exterior(2R) 15-10-0 to 19-7-3, Interior(1) 19-7-3 to 30-8-0, Exterior(2R) 30-8-0 to 34-5-3, Interior(1) 34-5-3 to 39-2-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=248, 10=365, 8=269.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T18 | Roof Special | 1 | 1 | T25045031 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:40 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-lxrRroDtErec_RMeX4rjhsjW3ixF?4aVv19FDAynCTb

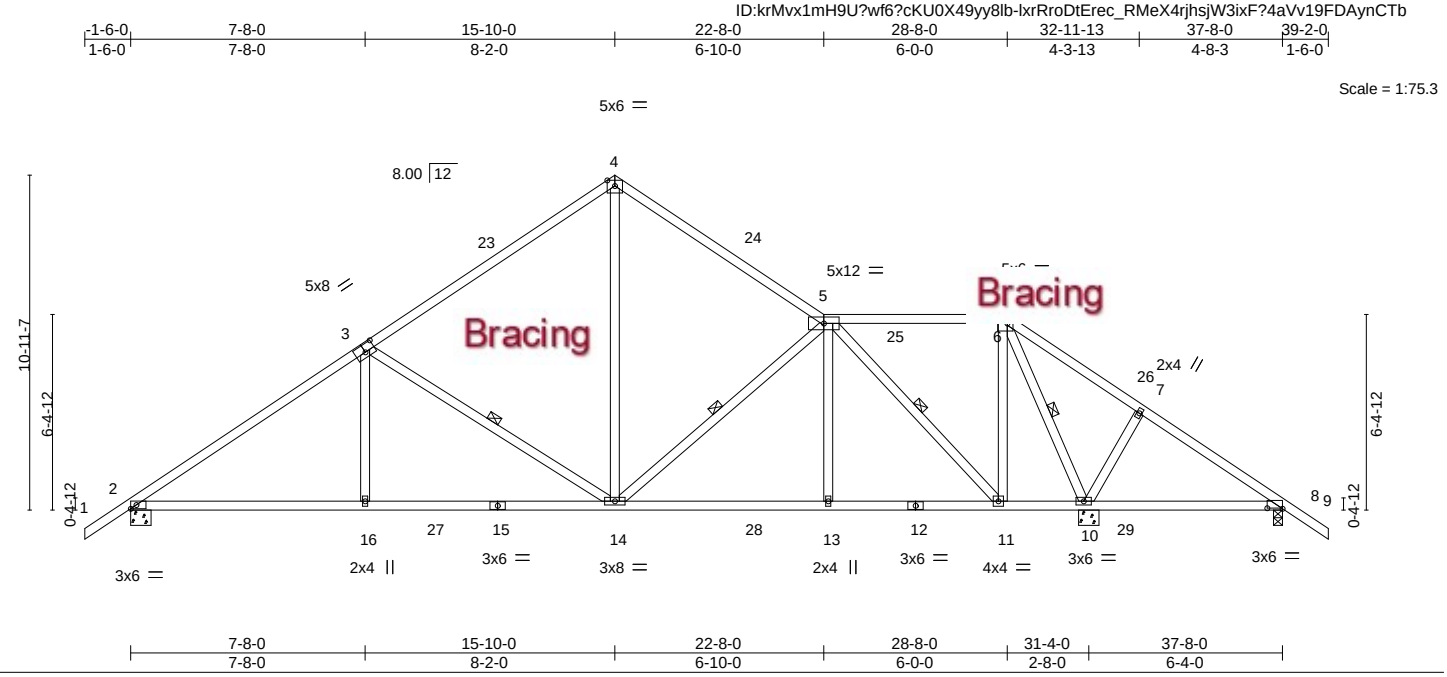



Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [6:0-3-12,0-2-0], [8:0-6-0,0-0-3]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.74 | Vert(LL) | -0.13 | 14-16 | >999 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.72 | Vert(CT) | -0.24 | 14-16 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.48 | Horz(CT) | 0.06 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 221 lb | FT = 20% |

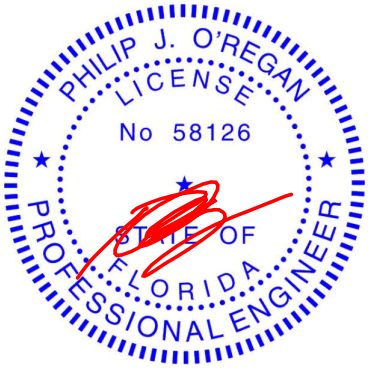
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 8-10.
WEBS 1 Row at midpt 3-14, 5-14, 5-11, 6-10

**REACTIONS.** (size) 2=0-8-0, 10=0-8-0, 8=0-3-8
Max Horz 2=-255(LC 10)
Max Uplift 2=-248(LC 12), 10=-359(LC 13), 8=-132(LC 10)
Max Grav 2=1325(LC 19), 10=1934(LC 2), 8=99(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1816/310, 3-4=-1142/289, 4-5=-1146/296, 6-7=-75/674, 7-8=-100/576
BOT CHORD 2-16=-306/1617, 14-16=-305/1622, 13-14=-81/1115, 11-13=-80/1122, 8-10=-400/120
WEBS 3-16=0/376, 3-14=-778/299, 4-14=-149/829, 5-14=-343/200, 5-13=0/307, 5-11=-1307/227, 6-11=-125/1047, 6-10=-1711/254, 7-10=-255/167

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-3-3, Interior(1) 2-3-3 to 15-10-0, Exterior(2R) 15-10-0 to 19-7-3, Interior(1) 19-7-3 to 28-8-0, Exterior(2R) 28-8-0 to 32-5-3, Interior(1) 32-5-3 to 39-2-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=248, 10=359, 8=132.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021




MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T19 | Roof Special | 1 | 1 | T25045032 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:41 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-E8Pp28EV?9mTcbxq5nMyD3Ght6G2kVZe8hvoldynCTa

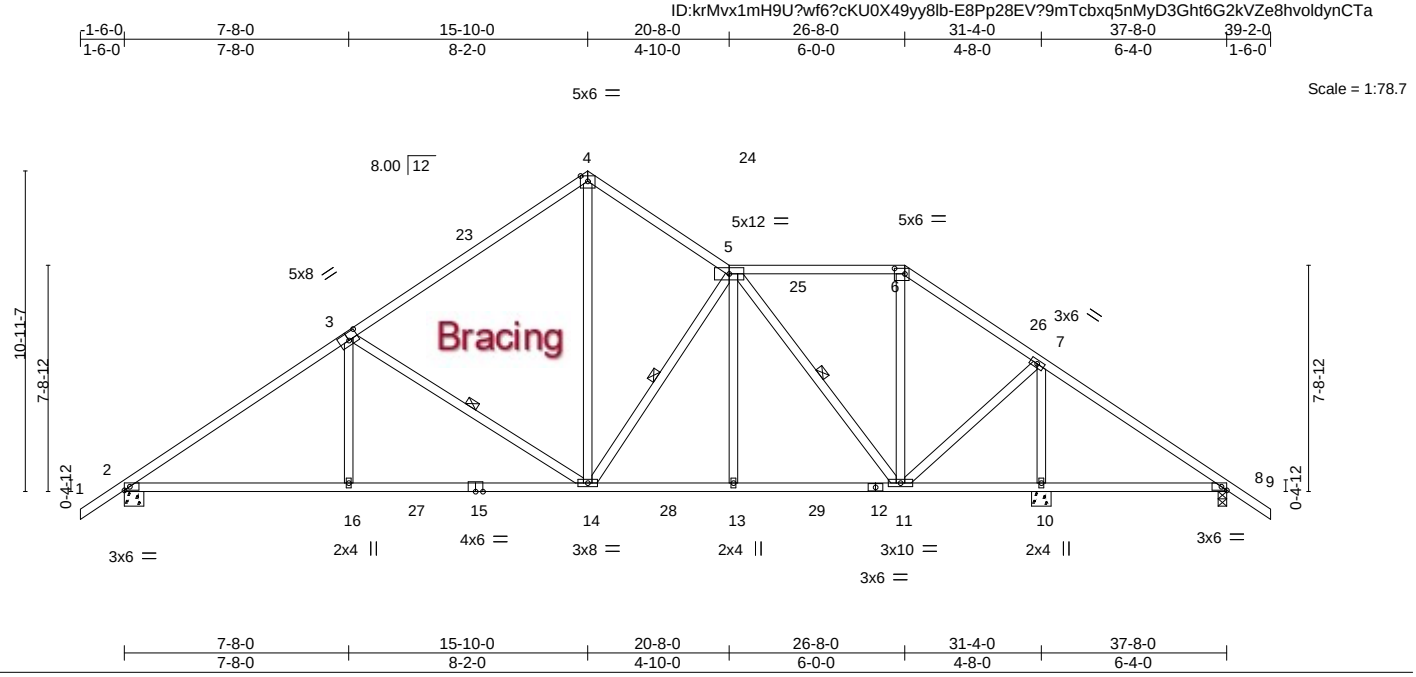



Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [6:0-4-4,0-2-4], [8:0-2-3,Edge]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.74 | Vert(LL) | 0.09 | 10-22 | >870 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.75 | Vert(CT) | -0.27 | 14-16 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.63 | Horz(CT) | 0.05 | 10 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 227 lb | FT = 20% |

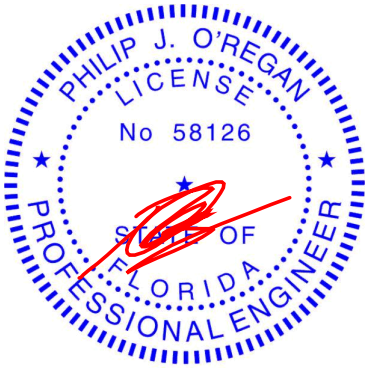
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-14, 5-14, 5-11

**REACTIONS.** (size) 2=0-8-0, 10=0-8-0, 8=0-3-8
Max Horz 2=-255(LC 10)
Max Uplift 2=-253(LC 12), 10=-320(LC 13), 8=-127(LC 10)
Max Grav 2=1351(LC 19), 10=1898(LC 2), 8=152(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1863/328, 3-4=-1188/308, 4-5=-1151/327, 5-6=-516/224, 6-7=-688/226, 7-8=-84/583
BOT CHORD 2-16=-312/1657, 14-16=-311/1661, 13-14=-85/1150, 11-13=-85/1155, 10-11=-389/115, 8-10=-389/115
WEBS 3-16=0/383, 3-14=-785/299, 4-14=-199/912, 5-14=-417/216, 5-13=0/279, 5-11=-995/174, 7-11=-123/1240, 7-10=-1659/331

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-3-3, Interior(1) 2-3-3 to 15-10-0, Exterior(2R) 15-10-0 to 19-7-3, Interior(1) 19-7-3 to 26-8-0, Exterior(2R) 26-8-0 to 30-5-3, Interior(1) 30-5-3 to 39-2-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=253, 10=320, 8=127.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T20 | Roof Special | 1 | 1 | T25045033 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:42 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-iKzBGTF7mSuKDlW0eVtBmHosmVaqTyJoMLeMH3ynCTZ

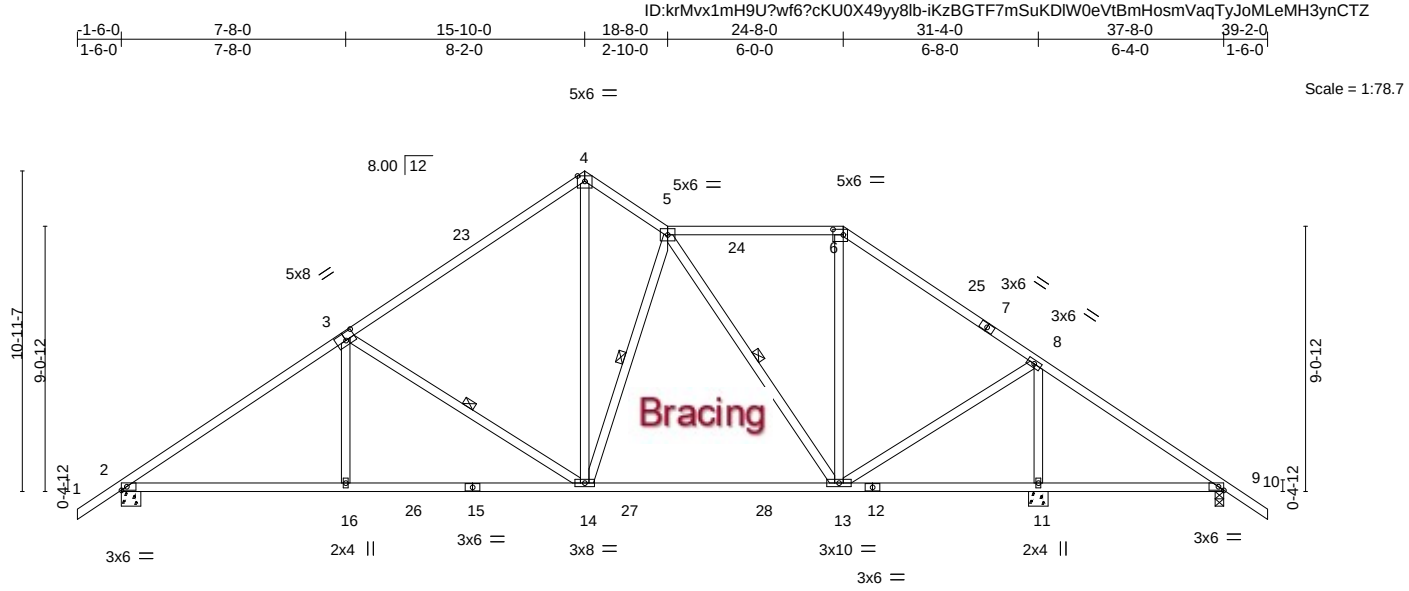



Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [6:0-4-4,0-2-4], [9:0-2-3,Edge]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.73 | Vert(LL) | 0.09 | 11-22 | >864 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.85 | Vert(CT) | -0.38 | 13-14 | >995 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.59 | Horz(CT) | 0.05 | 11 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 223 lb | FT = 20% |

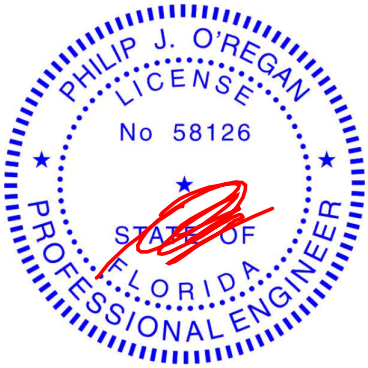
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-14, 5-14, 5-13

**REACTIONS.** (size) 2=0-8-0, 11=0-8-0, 9=0-3-8
Max Horz 2=-255(LC 10)
Max Uplift 2=-254(LC 12), 11=-325(LC 13), 9=-110(LC 8)
Max Grav 2=1364(LC 19), 11=1820(LC 2), 9=182(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1880/331, 3-4=-1223/303, 4-5=-1146/340, 5-6=-688/258, 6-8=-916/249, 8-9=-71/462
BOT CHORD 2-16=-314/1671, 14-16=-313/1675, 13-14=-106/1090, 11-13=-285/110, 9-11=-285/110
WEBS 3-16=0/355, 3-14=-764/300, 4-14=-231/978, 5-14=-370/232, 5-13=-654/154, 6-13=-20/254, 8-13=-110/1192, 8-11=-1576/349

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-3-3, Interior(1) 2-3-3 to 15-10-0, Exterior(2E) 15-10-0 to 18-8-0, Interior(1) 18-8-0 to 24-8-0, Exterior(2R) 24-8-0 to 28-5-3, Interior(1) 28-5-3 to 39-2-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=254, 11=325, 9=110.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T21 | Hip | 1 | 1 | T25045034 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:43 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-AWXZTpGlXm0Bru5DCCOQIUL0uvx1CMzxb?OvqVynCTY

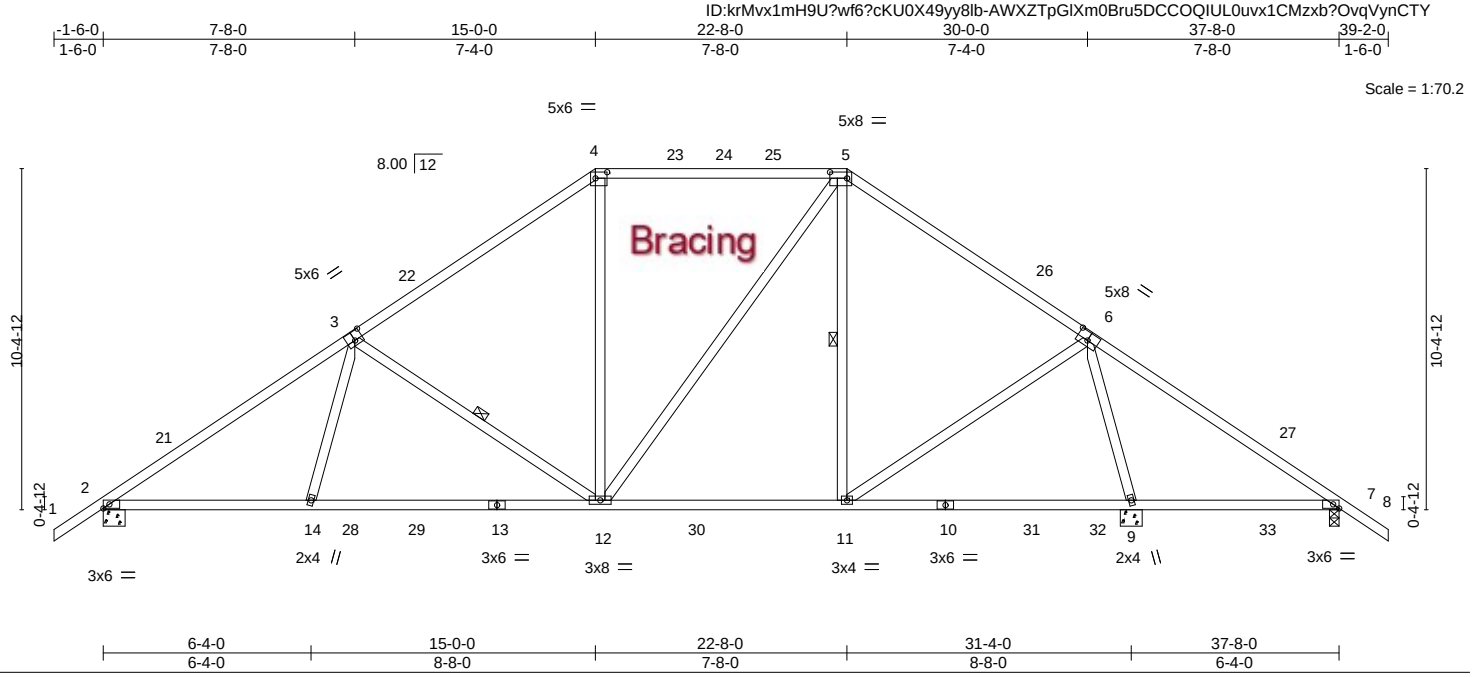



Plate Offsets (X,Y)-- [3:0-3-0,0-3-4], [4:0-4-4,0-2-4], [5:0-6-4,0-2-4], [6:0-4-0,0-3-0], [7:0-2-3,Edge]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.83 | Vert(LL) | 0.09 | 9-20 | >859 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.78 | Vert(CT) | -0.32 | 12-14 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.82 | Horz(CT) | 0.05 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 215 lb | FT = 20% |

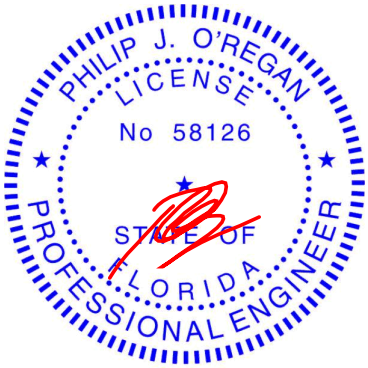
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-12: 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-12, 5-11

**REACTIONS.** (size) 2=0-8-0, 9=0-8-0, 7=0-3-8
Max Horz 2=-243(LC 10)
Max Uplift 2=-283(LC 12), 9=-241(LC 13), 7=-122(LC 8)
Max Grav 2=1339(LC 19), 9=1770(LC 2), 7=246(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1917/364, 3-4=-1284/315, 4-5=-990/323, 5-6=-1037/272, 6-7=-26/370
BOT CHORD 2-14=-340/1664, 12-14=-348/1581, 11-12=-84/777
WEBS 3-14=0/373, 3-12=-673/284, 4-12=-55/385, 5-12=-144/433, 6-11=-107/758, 6-9=-1467/275

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-3-3, Interior(1) 2-3-3 to 15-0-0, Exterior(2R) 15-0-0 to 20-3-15, Interior(1) 20-3-15 to 22-8-0, Exterior(2R) 22-8-0 to 27-11-15, Interior(1) 27-11-15 to 39-2-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=283, 9=241, 7=122.




Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



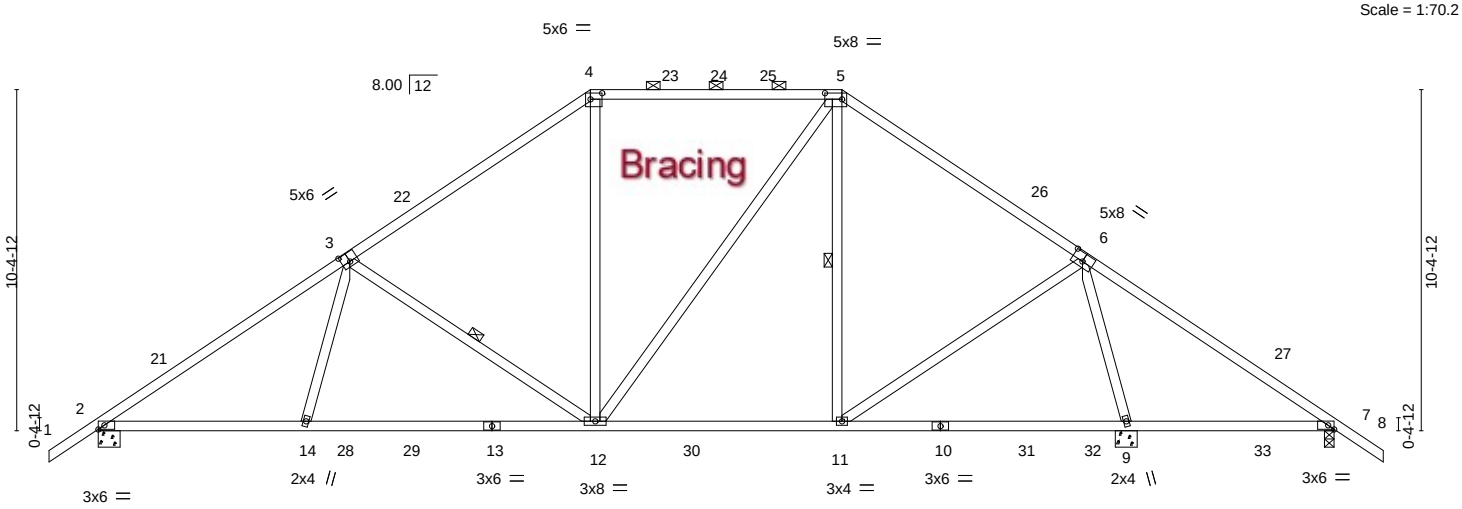
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | EXCEPTIONS REALITY - LOT 10 CRP |
|---|---|---|---|---|---|
| 2874271 | T22 | Piggyback Base | 7 | 1 | T25045035 |
| | | | | | Job Reference (optional) |

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Aug 16 17:28:44 2021 Page 1
ID:krMvx1mH9U?wf6?cKU0X49yy8lb-ej5yg9GNI482T2gPmvvfriu9CJHGxpD5qf7SMxynCTX

-1-6-0 | 7-8-0 | 15-0-0 | 22-8-0 | 30-0-0 | 37-8-0 | 39-2-0
1-6-0 | 7-8-0 | 7-4-0 | 7-8-0 | 7-4-0 | 7-8-0 | 1-6-0

Scale = 1:70.2




6-4-0 | 15-0-0 | 22-8-0 | 31-4-0 | 37-8-0
6-4-0 | 8-8-0 | 7-8-0 | 8-8-0 | 6-4-0

Plate Offsets (X,Y)-- [3:0-3-0,0-3-4], [4:0-4-4,0-2-4], [5:0-6-4,0-2-4], [6:0-4-0,0-3-0], [7:0-2-3,Edge]

| LOADING (psf) | | SPACING- 2-0-0 | | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.92 | Vert(LL) | 0.09 | 9-20 | >859 | 240 | MT20 | 244/190 |
| TCDL | 7.0 | Lumber DOL | 1.25 | BC | 0.78 | Vert(CT) | -0.32 | 12-14 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.82 | Horz(CT) | 0.05 | 9 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2020/TPI2014 | | Matrix-MS | | | | | | | Weight: 215 lb | FT = 20% |

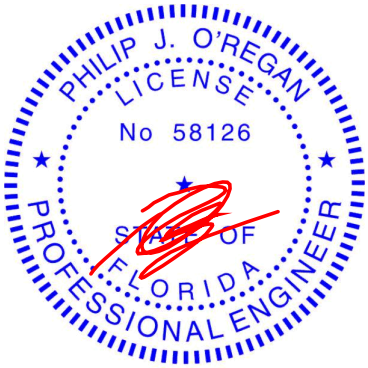
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-12: 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 3-10-6 oc purlins, except
2-0-0 oc purlins (2-2-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-12, 5-11

**REACTIONS.** (size) 2=0-8-0, 9=0-8-0, 7=0-3-8
Max Horz 2=-243(LC 10)
Max Uplift 2=-283(LC 12), 9=-241(LC 13), 7=-122(LC 8)
Max Grav 2=1339(LC 19), 9=1770(LC 2), 7=246(LC 24)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1917/364, 3-4=-1284/315, 4-5=-990/323, 5-6=-1037/272, 6-7=-26/370
BOT CHORD 2-14=-340/1664, 12-14=-348/1581, 11-12=-84/777
WEBS 3-14=0/373, 3-12=-673/284, 4-12=-55/385, 5-12=-144/433, 6-11=-107/758, 6-9=-1467/275

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-3-3, Interior(1) 2-3-3 to 15-0-0, Exterior(2R) 15-0-0 to 20-3-15, Interior(1) 20-3-15 to 22-8-0, Exterior(2R) 22-8-0 to 27-11-15, Interior(1) 27-11-15 to 39-2-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=283, 9=241, 7=122.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



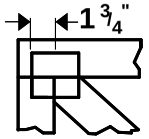

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 17,2021



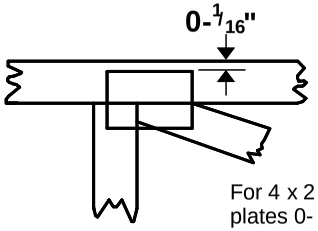
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

# Symbols

## PLATE LOCATION AND ORIENTATION




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




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

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

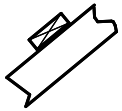
*** Plate location details available in MiTek 20/20 software or upon request.**

## PLATE SIZE

4 x 4

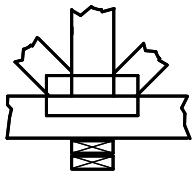
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING LOCATION



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

## BEARING

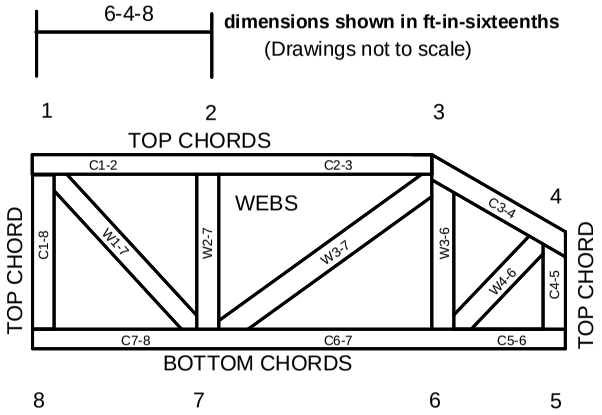


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

**Industry Standards:**

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

# Numbering System




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

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

## PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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



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

# General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

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