

RE: 6250757 - 2405-A-Tray MiTek, Inc.

16023 Swingley Ridge Rd. Site Information:

Chesterfield MO 63017
Customer Info: Adams Homes-Gainesville Project Name: The Preserve at Laurel Lake 1434 1960 del: 2405-A-Tray

Lot/Block: 117 Address: 120 SW Bellflower Dr. , . Subdivision: The Preserve at Laurel Lake

City: Lake City State: FI

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: FBC2023/TPI2014 Design Program: MiTek 20/20 8.8

Wind Code: ASCE 7-22 Wind Speed: 140 mph Roof Load: 40.0 psf Floor Load: 55.0 psf

This package includes 54 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. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 120 21 22 | Seal# T36803525 T36803527 T36803528 T36803529 T36803531 T36803531 T36803532 T36803534 T36803535 T36803537 T36803537 T36803538 T36803539 T36803541 T36803541 T36803541 T36803545 T36803545 T36803545 T36803545 T36803545 T36803545 | Truss Name A01 A02 A03 A03T A04 A05 A06 A07 A08 B01 B02 B03 B04 C1 C1D C3 C3A C3D C3T C5A C5T | Date 3/27/25 | 24 25 26 27 28 29 30 31 33 34 35 36 37 38 40 41 42 43 | Seal# T36803547 T36803548 T36803550 T36803551 T36803553 T36803554 T36803555 T36803556 T36803556 T36803558 T36803556 T36803561 T36803561 T36803563 T36803564 T36803565 T36803565 T36803565 T36803566 T36803566 T36803566 T36803566 | Truss Name D01 E3 E3A E5 E5D E5G E7A E7T FL1 FL2 FL3 FL4 FL5 FL6 FL7 FL8 FL9 FL10 FL11 FL11X FL12 | Date 3/27/25 |
|--|---|---|--|--|---|---|---|
|--|---|---|--|--|---|---|---|

APPROVED

By troy crews at 3:48 pm, May 01

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Tibbetts Lumber Co., LLC.

Truss Design Engineer's Name: Lee, Julius

My license renewal date for the state of Florida is February 28, 2027.

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.



MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025



RE: 6250757 - 2405-A-Tray

MiTek, Inc. 16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200

Site Information:

Customer Info: Adams Homes-Gainesville Project Name: The Preserve at Laurel Lake 117 Model: 2405-A-Tray

_ot/Block: 117 Subdivision: The Preserve at Laurel Lake

Lot/Block: 117 Address: 120 SW Bellflower Dr. , .

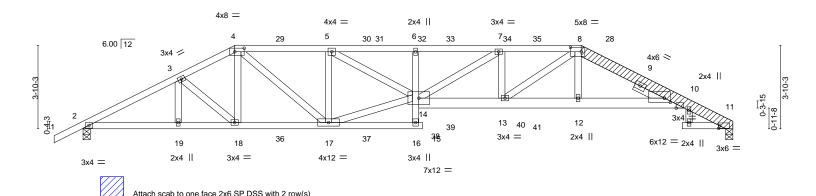
City: Lake City State: FI

| No. 45 46 47 48 49 | Seal# T36803569 T36803570 T36803571 T36803572 T36803573 | Truss Name FL12X FTG1 H5 H5D H7 | Date 3/27/25 3/27/25 3/27/25 3/27/25 3/27/25 |
|-----------------------------------|--|--|--|
| 50 51 | T36803574 T36803575 | H7T V3 | 3/27/25 |
| 52 | T36803576 | V3 V7 | 3/27/25 3/27/25 |
| 53 | T36803577 | V11 | 3/27/25 |
| 54 | T36803578 | V15 | 3/27/25 |

Job Truss Truss Type Qty Ply 2405-A-Tray T36803525 HIP GIRDER 6250757 A01 2 Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:16 2025 Page 1

Scale = 1:53.2





7-0-0 11-4-0 15-6-0 15₇8-0 0-2-0 19-4-0 23-0-0 27-8-0 27-10-0 30-0-0 0-2-0 2-2-0 4-4-12 2-7-4 4-4-0 3-8-0 4-2-0 3-8-0 Plate Offsets (X,Y)--[4:0-5-4,0-2-0], [8:0-6-0,0-2-8], [10:0-6-8,Edge], [10:0-3-4,0-2-6], [11:0-0-8,0-1-8] 2-0-0 LOADING (psf) SPACING-CSI. DEFL. (loc) I/defI L/d **PLATES** GRIP **TCLL** 20.0 Plate Grip DOL 1.25 TC 0.71 Vert(LL) -0.30 15 >999 360 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.65 Vert(CT) -0.61 15 >588 240 WB **BCLL** 0.0 Rep Stress Incr NO 0.59 Horz(CT) 0.28 11 n/a n/a BCDL 10.0 Code FBC2023/TPI2014 Matrix-MS Wind(LL) 0.29 15 >999 240 Weight: 387 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

2x4 SP No.2 *Except* TOP CHORD 8-11: 2x6 SP DSS

BOT CHORD 2x4 SP No.2 *Except* 10-14: 2x6 SP DSS

WEBS 2x4 SP No.2 **OTHERS** 2x6 SP DSS

LBR SCAB 8-11 2x6 SP DSS one side SLIDER Right 2x4 SP No.2 1-6-0

REACTIONS. (size) 11=0-4-0, 2=0-4-0

Max Horz 2=82(I C 7)

Max Uplift 11=-558(LC 8), 2=-658(LC 8) Max Grav 11=2562(LC 1), 2=2626(LC 1)

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

of 10d (0.131"x3") nails spaced 6" o.c.

TOP CHORD 2-3=-5194/1212, 3-4=-5024/1221, 4-5=-5754/1369, 5-6=-8307/1890, 6-7=-8393/1903,

7-8=-7795/1732, 8-10=-7027/1541, 10-11=-1138/270

BOT CHORD 2-19=-1026/4589, 18-19=-1026/4589, 17-18=-980/4495, 16-17=-137/731, 6-14=-453/247,

13-14=-1600/7795, 12-13=-1334/6518, 10-12=-1325/6444

WEBS 3-18=-284/176, 4-18=0/650, 4-17=-332/1663, 5-17=-2161/628, 14-17=-1136/5190, 5-14=-615/3011. 7-14=-206/738. 7-13=-806/338. 8-13=-355/1626. 8-12=-148/1289

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

3) N/A

4) Unbalanced roof live loads have been considered for this design.

- 5) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 6) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 7) Provide adequate drainage to prevent water ponding.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

dius Lee PE No. 34869
Tek Inc. DBA MiTration 123 Swingston ONAL

Structural wood sheathing directly applied or 3-11-11 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing. Except:

10-0-0 oc bracing: 14-16

MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025

Continued on page 2 verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|------------|-----|-----|--------------------------|
| 6250757 | A01 | HIP GIRDER | 1 | 9 | T36803525 |
| | | | | | Job Reference (optional) |

Tibbetts Lumber Co., LLC (Ocala, FL),

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:16 2025 Page 2 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-Btc?XhaUtzHNFYI9JxAWiKcX6L7xBgA5Tky0KdzX1Ff

NOTES-

- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=558, 2=658.
- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 387 lb down and 339 lb up at 7-0-0, 134 lb down and 123 lb up at 9-0-12, 134 lb down and 123 lb up at 11-0-12, 130 lb down and 123 lb up at 13-0-12, 126 lb down and 123 lb up at 15-0-0, 131 lb down and 108 lb up at 16-11-4, 131 lb down and 108 lb up at 18-11-4, and 131 lb down and 108 lb up at 20-11-4, and 297 lb down and 267 lb up at 23-0-0 on top chord, and 351 lb down and 23 lb up at 7-0-0, 89 lb down at 9-0-12, 89 lb down at 11-0-12, 89 lb down at 13-0-12, 89 lb down at 15-0-0, 86 lb down at 16-11-4, 86 lb down at 18-11-4, and 86 lb down at 20-11-4, and 434 lb down and 50 lb up at 22-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-4=-60, 4-8=-60, 8-10=-60, 10-11=-82, 16-23=-20, 15-16=-20, 10-14=-20

Concentrated Loads (lb)

Vert: 4=-340(B) 8=-250(B) 18=-351(B) 17=-69(B) 5=-121(B) 12=-434(B) 29=-121(B) 30=-121(B) 32=-121(B) 33=-109(B) 34=-109(B) 35=-109(B) 36=-69(B) 37=-69(B) 38=-69(B) 39=-82(B) 40=-82(B) 41=-82(B)



Job Truss Truss Type Qty Ply 2405-A-Tray T36803526 HIP 6250757 A02 Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

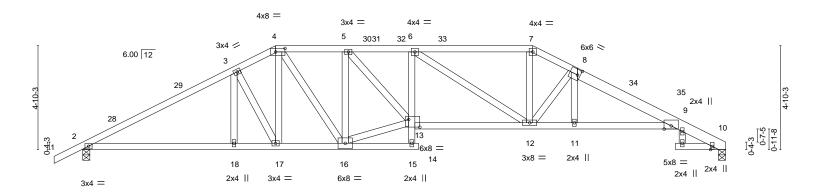
8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:17 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-f39Nk1b6eHPEtitMsfhlEY9gvlSsw84EhOias4zX1Fe

Structural wood sheathing directly applied or 2-4-4 oc purlins.

Rigid ceiling directly applied or 9-7-3 oc bracing. Except:

10-0-0 oc bracing: 13-15

Scale = 1:53.8



| — | 7-0-12 7-0-12 | 9-0-0 | 12-3-0 15-6 3-3-0 3-3 | | 21-0-0 22-11-5 2-0-0 1-11-5 | 27-8-0 27-10-0 30-0-0 4-8-11 0-2-0 2-2-0 |
|--|--|--|--|---------------------------|---|---|
| Plate Offsets (X,Y) | [4:0-5-4,0-2-0], [8:0-1-8,0- | 3-0], [13:0-6-4 | 1,0-4-4] | | | |
| LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0 | SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2023/TF | 2-0-0 1.25 1.25 YES PI2014 | CSI. TC 0.84 BC 0.73 WB 0.54 Matrix-MS | Vert(CT) -0 Horz(CT) 0 | in (loc) I/defl L/d .28 11-27 >999 360 .57 11-27 >628 240 .31 10 n/a n/a .26 11-27 >999 240 | PLATES GRIP MT20 244/190 Weight: 173 lb FT = 20% |

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 8-10: 2x6 SP DSS

BOT CHORD 2x4 SP No.2 *Except*

9-13: 2x4 SP M 31 or 2x4 SP SS

WEBS 2x4 SP No.2

REACTIONS.

(size) 2=0-4-0, 10=0-4-0 Max Horz 2=102(LC 11)

Max Uplift 2=-314(LC 12), 10=-246(LC 12)

Max Grav 2=1278(LC 1), 10=1200(LC 1)

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

TOP CHORD 2-3=-2183/465, 3-4=-1902/481, 4-5=-1898/473, 5-6=-2618/599, 6-7=-2103/490,

7-8=-2382/532, 8-9=-2815/586, 9-10=-529/134

BOT CHORD 2-18=-343/1882, 17-18=-343/1882, 16-17=-259/1645, 12-13=-444/2663, 11-12=-458/2624,

9-11=-456/2608

WEBS 3-18=0/264, 3-17=-497/175, 4-17=-129/419, 13-16=-294/1918, 5-13=-183/1043,

6-12=-742/144, 7-12=-150/916, 8-12=-845/226, 8-11=-28/284, 5-16=-952/222,

4-16=-96/498

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 21-0-0, Zone2 21-0-0 to 25-2-15, Zone1 25-2-15 to 29-10-0 zone; cantilever left and 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.
- 7) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=314, 10=246.



Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025

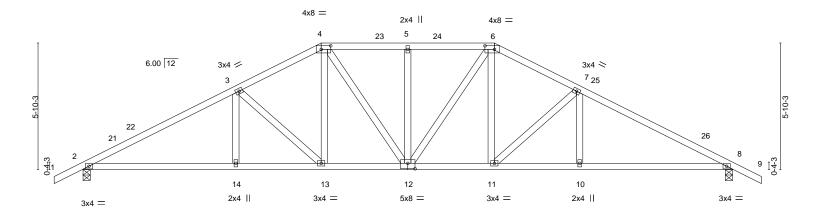


🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| | JOD | Truss | Truss Type | | Qty | PIY | 2405-A-Tray | | |
|---|---------|--------|------------|--------|---------------|------------|-----------------|---------------------------------------|----------------------------------|
| | | | | | | | | | T36803527 |
| | 6250757 | A03 | Hip | | 1 | 1 | | | |
| | | | | | | | Job Reference | (optional) | |
| Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 3 | | | 34472, | | 8.8 | 30 s Mar 1 | 11 2025 MiTek I | ndustries, Inc. Wed Mar 26 14:59:17 2 | 025 Page 1 |
| | | | | | ID:P?10H_JjvC | s9m_KS0 | yBlpQyRZGv-f3 | 39Nk1b6eHPEtitMsfhIEY9kXITJwCVEh | Oias4zX1Fe |
| | 1-4-0 _ | 7-0-12 | 11-0-0 | 15-0-0 | 19-0-0 | 1 | 22-11-4 | 30-0-0 | ₁ 31-4-0 ₁ |
| | 1-4-0 | 7-0-12 | 2-11-4 | 4-0-0 | 4-0-0 | | 2-11-4 | 7-0-12 | 1-4-0 |

Scale = 1:53.2



| —— | 7-0-12 7-0-12 | 11-0-0 3-11-4 | 15-0-0 4-0-0 | 19-0-0 4-0-0 | 22-11-4 3-11-4 | 30-0-0 7-0-12 | |
|--|---|---------------------------|--|--|-------------------|---|----|
| Plate Offsets (X,Y) | [4:0-5-4,0-2-0], [6:0-5-4,0-2 | -0], [12:0-4-0,0-3-0] | | | | | |
| LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0 | SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2023/TPI | 1.25 T 1.25 E YES V | CSI. TC 0.61 BC 0.70 WB 0.26 Matrix-MS | DEFL. in Vert(LL) -0.10 Vert(CT) -0.21 1 Horz(CT) 0.08 Wind(LL) 0.09 1 | 8 n/a n/a | PLATES GRIP MT20 244/190 Weight: 165 lb FT = 20 |)% |

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

BOT CHORD

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

2x4 SP No.2

(size) 2=0-4-0, 8=0-4-0 Max Horz 2=-123(LC 10)

Max Uplift 2=-316(LC 12), 8=-316(LC 12)

Max Grav 2=1280(LC 1), 8=1280(LC 1)

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

2-3=-2183/465, 3-4=-1743/439, 4-5=-1633/445, 5-6=-1633/445, 6-7=-1743/439, TOP CHORD 7-8=-2183/465

2-14=-309/1882, 13-14=-309/1882, 12-13=-185/1501, 11-12=-194/1501, 10-11=-322/1882,

8-10=-322/1882 WEBS 3-14=0/258, 3-13=-521/172, 4-13=-67/394, 4-12=-62/322, 5-12=-278/134, 6-12=-62/322,

6-11=-67/394, 7-11=-521/172, 7-10=0/258

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-0-0, Zone2 11-0-0 to 15-0-0, Zone1 15-0-0 to 19-0-0, Zone2 19-0-0 to 23-2-15, Zone1 23-2-15 to 31-4-0 zone; cantilever left and 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=316, 8=316.



Structural wood sheathing directly applied or 3-1-4 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025



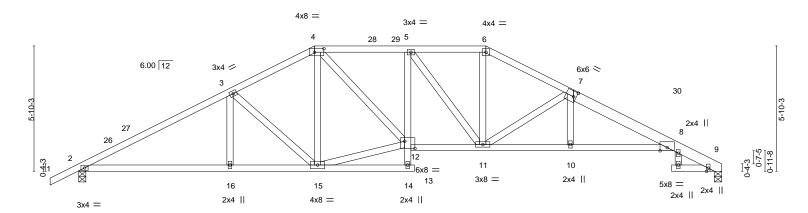
🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| | JOD | ITUSS | Truss Type | Qty | Piy | 2405-A-11ay | | |
|------------------|--|-------|------------|--|-----|--|--|--|
| | | | | | | T36803528 | | |
| | 6250757 | A03T | HIP | 1 | 1 | | | |
| | | | | | | Job Reference (optional) | | |
| | Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34 | | 472, | 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:18 2025 Page 1 | | | | |
| ID:P210H_livCs9m | | | | | | OvRZGv-ZEilxNckPaX4VsSYOMC_nligf9oHfdmOw2RZPWzX1Ed | | |

Scale = 1:53.8

27-10-0 30-0-0 0-2-0 2-2-0



| - | 7-0-12 7-0-12 | 11-0-0 | 15-6-0 4-6-0 | 15 ₇ 8-0 19-0- | | - | 27-8-0 27-10-0 4-8-11 0-2-0 | |
|--|--|------------------------|--|---|--|---------------------------------|----------------------------------|------------------------------|
| Plate Offsets (X,Y) | [4:0-5-4,0-2-0], [7:0-1-8,0- | 3-0], [12:0-5-12,0-4-0 |)] | | | | | |
| LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0 | SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2023/TP | 1.25 YES | CSI. TC 0.84 BC 0.72 WB 0.39 Matrix-MS | DEFL. Vert(LL) Vert(CT) Horz(CT) Wind(LL) | in (loc) I/defl -0.28 10-25 >999 -0.56 10-25 >636 0.30 9 n/a 0.26 10-25 >999 | L/d 360 240 n/a 240 | PLATES MT20 Weight: 171 lb | GRIP 244/190 FT = 20% |

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* 7-9: 2x6 SP DSS

BOT CHORD 2x4 SP No.2 *Except*

8-12: 2x4 SP M 31 or 2x4 SP SS

WEBS 2x4 SP No.2

REACTIONS.

(size) 2=0-4-0, 9=0-4-0 Max Horz 2=122(LC 11)

Max Uplift 2=-314(LC 12), 9=-246(LC 12)

Max Grav 2=1278(LC 1), 9=1200(LC 1)

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

TOP CHORD $2\text{-}3\text{--}2179/466,\ 3\text{-}4\text{--}1740/440,\ 4\text{-}5\text{--}2027/510,\ 5\text{-}6\text{--}1806/457,\ 6\text{-}7\text{--}2074/481,}$

7-8=-2802/590, 8-9=-529/134

BOT CHORD 2-16=-346/1878, 15-16=-346/1878, 11-12=-311/2039, 10-11=-468/2613, 8-10=-469/2598 **WEBS**

 $3-16=0/255,\ 3-15=-519/172,\ 12-15=-219/1444,\ 4-12=-142/778,\ 5-11=-460/91,$

6-11=-121/737, 7-11=-967/256, 7-10=0/298

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-0-0, Zone2 11-0-0 to 15-4-4, Zone1 15-4-4 to 19-0-0, Zone2 19-0-0 to 23-1-1, Zone1 23-1-1 to 29-10-0 zone; cantilever left and 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.
- 7) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=314, 9=246.



Structural wood sheathing directly applied or 2-4-4 oc purlins.

Rigid ceiling directly applied or 9-6-4 oc bracing. Except:

10-0-0 oc bracing: 12-14

Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025



🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray | |
|---|-------|------------|--|-----|--------------------------|---|
| | | | | | T36803529 |) |
| 6250757 | A04 | Hip | 2 | 1 | | |
| | | | | | Job Reference (optional) | |
| Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - | | 472, | 72, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:18 202 | | | _ |
| | | | | | | |

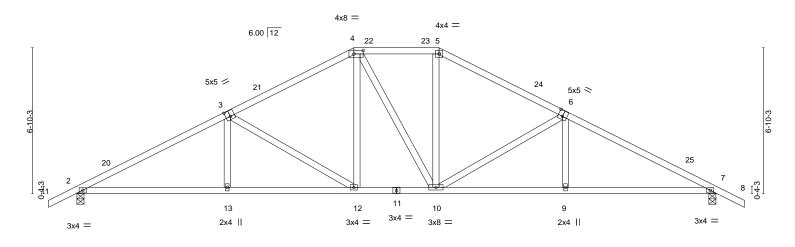
4-0-0

ID:P?10H_JjvCs9m_KS0yBIpQyRZGv-7FjlxNckPaX4VsSYQMC_nlivW9pmfbLOw2R7PWzX1Fd 1-4-0 13-0-0 17-0-0 22-11-4 30-0-0 7-0-11

5-11-5

Scale = 1:54.1

7-0-12



| 1 | 7-0-11 | 13-0-0 | 17-0-0 | 22-11-4 | 30-0-0 | |
|--------------------|------------------------------------|--------------------|--------|---------|--------|---|
| | 7-0-11 | 5-11-5 | 4-0-0 | 5-11-4 | 7-0-12 | ı |
| Plate Offsets (X.) | Y) [3:0-2-8.0-3-4]. [4:0-5-4.0-2-0 | 1. [6:0-2-8.0-3-4] | | | | |

| TCDL 10.0 Lumber DOL 1.25 BC 0.69 Vert(CT) -0.21 13-16 >999 240 BCLL 0.0 * Rep Stress Incr YES WB 0.54 Horz(CT) 0.08 7 n/a n/a | LOADING TCLL | G (psf) 20.0 | SPACING- 2-0-0 Plate Grip DOL 1.25 | CSI. TC 0.53 | DEFL. in (loc) I/defl L/d Vert(LL) -0.10 10-12 >999 360 | PLATES GRIP MT20 244/190 |
|--|-----------------|---------------------|--|------------------------|---|-----------------------------|
| | | | | 10 0.55 | , , | W1120 244/190 |
| RCDL 10.0 Code FRC2023/TPI2014 Matrix-MS Wind/LL\ 0.00 0-10 \0.000 240 Weight: 158.lb FT = 20% | BCLL BCDL | 0.0 * 10.0 | Rep Stress Incr YES Code FBC2023/TPI2014 | WB 0.54 Matrix-MS | Horz(CT) 0.08 7 n/a n/a Wind(LL) 0.09 9-19 >999 240 | Weight: 158 lb FT = 20% |

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No 2 BOT CHORD 2x4 SP No 2 WFBS

2x4 SP No.2

(size) 2=0-4-0, 7=0-4-0 Max Horz 2=143(LC 11)

7-0-11

Max Uplift 2=-316(LC 12), 7=-316(LC 12) Max Grav 2=1280(LC 1), 7=1280(LC 1)

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

TOP CHORD 2-3=-2192/465 3-4=-1600/412 4-5=-1356/413 5-6=-1601/412 6-7=-2191/465 **BOT CHORD** 2-13=-311/1891, 12-13=-312/1888, 10-12=-144/1356, 9-10=-325/1887, 7-9=-324/1891 WFBS $3-13=0/290,\ 3-12=-634/208,\ 4-12=-50/423,\ 5-10=-53/424,\ 6-10=-633/208,\ 6-9=0/289$

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 13-0-0, Zone3 13-0-0 to 17-0-0, Zone2 17-0-0 to 21-2-15, Zone1 21-2-15 to 31-4-0 zone; cantilever left and 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=316, 7=316.



Structural wood sheathing directly applied or 3-4-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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March 27,2025







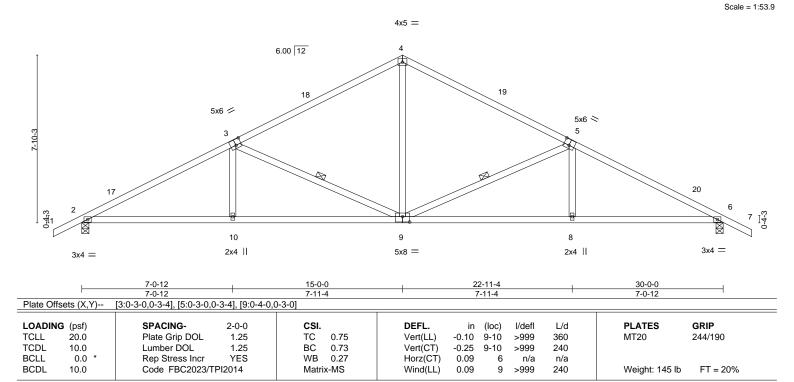
| | Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray | | |
|--|--|-------|------------|--|-----|--------------------------|--|--|
| | | | | | | T36803530 | | |
| | 6250757 | A05 | Common | 7 | 1 | | | |
| | | | | | | Job Reference (optional) | | |
| | Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, | | 472, | 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:19 2025 Page 1 | | | | |
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22-11-4 7-11-4

15-0-0 7-11-4

31-4-0 1-4-0

30-0-0 7-0-12



BRACING-

TOP CHORD

BOT CHORD

WFBS

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No 2 BOT CHORD 2x4 SP No 2 2x4 SP No.2 WFBS

-1-4-0 1-4-0

7-0-12 7-0-12

(size) 2=0-4-0, 6=0-4-0 Max Horz 2=162(LC 11)

Max Uplift 2=-316(LC 12), 6=-316(LC 12) Max Grav 2=1280(LC 1), 6=1280(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2211/469 3-4=-1482/399 4-5=-1482/399 5-6=-2211/469 **BOT CHORD** 2-10=-314/1914. 9-10=-316/1910. 8-9=-335/1910. 6-8=-333/1914 WFBS 4-9=-115/791, 5-9=-772/258, 5-8=0/313, 3-9=-772/258, 3-10=0/313

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 15-0-0, Zone2 15-0-0 to 19-2-15, Zone1 19-2-15 to 31-4-0 zone; cantilever left and 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=316, 6=316.



Structural wood sheathing directly applied or 2-2-0 oc purlins.

5-9 3-9

Rigid ceiling directly applied or 10-0-0 oc bracing.

1 Row at midpt

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March 27,2025



🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray | 1 |
|-----------------------------|----------------------------|--------------|-----------|-----------|--|---|
| | | | | | T36803531 | ı |
| 6250757 | A06 | Roof Special | 1 | 1 | | ı |
| | | | | | Job Reference (optional) | ı |
| Tibbetts Lumber Co., LLC (C | Ocala, FL), Ocala, FL - 34 | 472, | 8.8 | 330 s Mar | 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:20 2025 Page 1 | |
| | | ID:P?10 | H_JjvCs9m | _KS0yBlp0 | QyRZGv-3erWM3d_xCnok9bxYnESsAnEIyTw7XihNMwETPzX1Fb | |

18-0-0

4-0-0

19-6-0

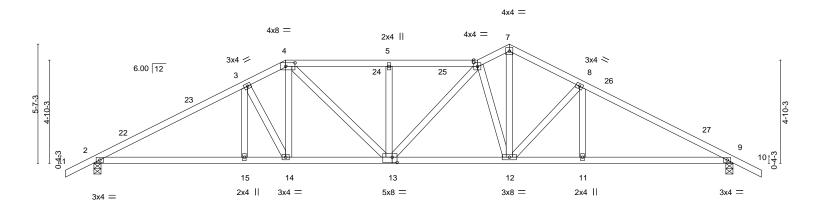
1-6-0

22-11-4

14-0-0

5-0-0

Scale = 1:54.1



| | <u> </u> | 7-0-12 7-0-12 | 9-0-0 | | 19-6-0 10-6-0 | + | 22-11-4 3-5-4 | 24-0-0 1-0-12 | 30-0-0 6-0-0 | |
|------------|------------|-------------------------------|-------|--------------|------------------|-------------|------------------|------------------|-----------------|----------|
| Plate Offs | sets (X,Y) | [4:0-5-4,0-2-0], [13:0-2-12,0 | -3-0] | | | | | | | |
| LOADING | G (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC 0.64 | Vert(LL) | -0.12 12-13 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC 0.71 | Vert(CT) | -0.26 12-13 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB 0.42 | Horz(CT) | 0.08 9 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2023/TPI2 | 2014 | Matrix-MS | Wind(LL) | 0.11 12-13 | >999 | 240 | Weight: 165 lb | FT = 20% |

BRACING-

TOP CHORD

BOT CHORD

LUMBER-TOP CHORD BOT CHORD

REACTIONS.

WFBS

1-4-0

7-0-12

7-0-12

2x4 SP No 2 2x4 SP No 2

2x4 SP No.2

(size) 2=0-4-0, 9=0-4-0 Max Horz 2=118(LC 11)

Max Uplift 2=-316(LC 12), 9=-316(LC 12) Max Grav 2=1280(LC 1), 9=1280(LC 1)

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

TOP CHORD 2-3=-2186/522, 3-4=-1911/541, 4-5=-2000/575, 5-6=-1990/570, 6-7=-1735/519,

7-8=-1797/509. 8-9=-2181/532

BOT CHORD 2-15=-342/1884, 14-15=-342/1884, 13-14=-279/1658, 12-13=-347/1878, 11-12=-381/1879, 9-11=-381/1879

WEBS 3-14=-477/205, 4-14=-139/429, 4-13=-124/462, 5-13=-321/173, 6-13=-52/262,

6-12=-1063/310, 7-12=-378/1419, 8-12=-494/189

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II: Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 9-0-0, Zone2 9-0-0 to 13-2-15. Zone1 13-2-15 to 19-6-0, Zone2 19-6-0 to 23-8-15, Zone1 23-8-15 to 31-4-0 zone; cantilever left and 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=316, 9=316.



Structural wood sheathing directly applied or 3-0-1 oc purlins.

Rigid ceiling directly applied or 9-3-15 oc bracing.

MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025



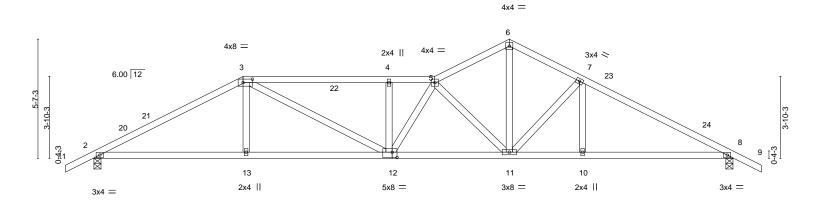
🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| | Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray | |
|---|---------|----------------------------|--------------|-----|------------|--|---|
| | | | | | | T36803532 | |
| | 6250757 | A07 | Roof Special | 1 | 1 | | |
| | | | | | | Job Reference (optional) | |
| Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 344 | | Ocala, FL), Ocala, FL - 34 | 472, | 8.8 | 30 s Mar 1 | 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:20 2025 Page 1 | _ |

ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-3erWM3d_xCnok9bxYnESsAnBMyTl7UGhNMwETPzX1Fb 1-4-0 7-0-0 14-0-0 16-0-0 19-6-0 22-11-5 7-0-0 7-0-0 2-0-0 3-5-5

Scale = 1:54.1



| | | 7-0-0 | 1 | 7-0-0 | 5-6-0 | 3-5-5 | 7-0-11 |
|-------------|-----------|-----------------------------|---------|-----------|----------------------|------------|-------------------------|
| Plate Offse | ets (X,Y) | [3:0-5-4,0-2-0], [12:0-2-12 | ,0-3-0] | | | | |
| LOADING | (psf) | SPACING- | 2-0-0 | CSI. | DEFL. in (loc) | l/defl L/d | PLATES GRIP |
| TCLL | 20.ó | Plate Grip DOL | 1.25 | TC 0.82 | Vert(LL) -0.15 11-12 | >999 360 | MT20 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC 0.72 | Vert(CT) -0.32 11-12 | >999 240 | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB 0.58 | Horz(CT) 0.09 8 | 3 n/a n/a | |
| BCDL | 10.0 | Code FBC2023/TF | PI2014 | Matrix-MS | Wind(LL) 0.14 11-12 | >999 240 | Weight: 150 lb FT = 20% |

BRACING-

TOP CHORD

BOT CHORD

19-6-0

22-11-5

LUMBER-

TOP CHORD 2x4 SP No 2 BOT CHORD 2x4 SP No 2 WFBS

2x4 SP No.2 REACTIONS. (size) 2=0-4-0, 8=0-4-0

Max Horz 2=118(LC 11) Max Uplift 2=-316(LC 12), 8=-316(LC 12)

Max Grav 2=1280(LC 1), 8=1280(LC 1)

7-0-0

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

TOP CHORD 2-3=-2173/522, 3-4=-2581/688, 4-5=-2566/680, 5-6=-1761/500, 6-7=-1798/502,

7-8=-2181/523

BOT CHORD 2-13=-342/1866. 12-13=-339/1874. 11-12=-496/2494. 10-11=-373/1879. 8-10=-373/1879

WEBS $3-13=0/306,\ 3-12=-203/793,\ 4-12=-372/229,\ 5-11=-1348/372,\ 6-11=-342/1368,$

7-11=-494/185

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 7-0-0, Zone2 7-0-0 to 11-2-15, Zone1 11-2-15 to 19-6-0, Zone2 19-6-0 to 23-8-15, Zone1 23-8-15 to 31-4-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

14-0-0

- 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=316, 8=316.



30-0-0

Structural wood sheathing directly applied or 2-2-0 oc purlins.

Rigid ceiling directly applied or 8-3-15 oc bracing.

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March 27,2025



🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| JOD | Truss | Truss Type | Qty | Piy | 2405-A-17ay |
|-----------------------------|---------------------------|---------------------|------------|-----------|--|
| | | | | | T36803533 |
| 6250757 | A08 | Roof Special Girder | 1 | 1 | |
| | | | | | Job Reference (optional) |
| Tibbetts Lumber Co., LLC (C | cala, FL), Ocala, FL - 34 | 472, | 8.8 | 330 s Mar | 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:21 2025 Page 1 |
| | | ID:F | 210H .livC | s9m KS0v | BInOvRZGv-XgPuaPeciVvfM.IA75VlhPOKI CMt.Isulgc0gn?rzX1Fa |

19-6-0

5-6-0

22-11-4

3-5-4

Structural wood sheathing directly applied.

1 Row at midpt

Rigid ceiling directly applied or 7-4-14 oc bracing.

5-11

14-0-0

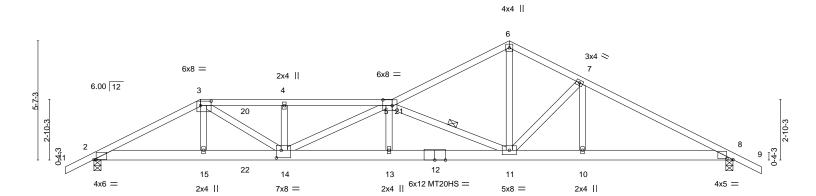
5-0-12

1-4-0 Scale = 1:54.1

31-4-0

30-0-0

7-0-12



| | 1 | 5-0-0 | 8-11-4 | 14-0 |)-0 | _I 19-6- | 0 1 | 22-11- | 4 1 | 30-0-0 | 1 |
|--------------|----------|----------------------------|-------------------|-----------------|----------------|--------------------|-------------|--------|-----|----------------|----------|
| | | 5-0-0 | 3-11-4 | 5-0- | -12 | 5-6-0 |) | 3-5-4 | ı | 7-0-12 | 1 |
| Plate Offset | ts (X,Y) | [2:0-1-4,0-0-1], [3:0-6-0, | 0-2-8], [5:0-5-4, | 0-3-4], [8:0-3- | 8,0-0-9], [14: | 0-2-12,0-4-4] | | | | | |
| | | | | | | | | | | | |
| LOADING | (psf) | SPACING- | 2-0-0 | CSI. | | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.88 | Vert(LL) | -0.32 13-14 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.51 | Vert(CT) | -0.64 13-14 | >560 | 240 | MT20HS | 187/143 |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.82 | Horz(CT) | 0.11 8 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2023/ | TPI2014 | Matrix | -MS | Wind(LL) | 0.31 13-14 | >999 | 240 | Weight: 173 lb | FT = 20% |
| | | | | 1 | | | | | | | |

BRACING-

TOP CHORD

BOT CHORD

WFBS

LUMBER-

-1-4-0 1-4-0 5-0-0

5-0-0

TOP CHORD 2x4 SP No.2 *Except*

3-5: 2x4 SP M 31 or 2x4 SP SS BOT CHORD 2x6 SP DSS

BOT CHORD 2x6 SP DSS WEBS 2x4 SP No.2

REACTIONS. (size) 2=0-4-0, 8=0-4-0

Max Horz 2=118(LC 26)

Max Uplift 2=-591(LC 8), 8=-424(LC 8) Max Grav 2=2430(LC 1), 8=1715(LC 1)

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

TOP CHORD 2-3=-4931/1103, 3-4=-6663/1567, 4-5=-6663/1567, 5-6=-2828/670, 6-7=-2812/694,

7-8=-3193/710

BOT CHORD 2-15=-884/4355, 14-15=-881/4375, 13-14=-1346/6392, 11-13=-1350/6386,

10-11=-513/2783, 8-10=-513/2783

WEBS 3-15=0/417, 3-14=-656/2702, 4-14=-309/207, 5-14=-749/780, 5-11=-4296/1032,

6-11=-482/2206, 7-11=-473/163, 7-10=0/251

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; 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.
- All plates are MT20 plates unless otherwise indicated.
- 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) except (jt=lb) 2=591, 8=424.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 243 lb down and 204 lb up at 5-0-0, and 105 lb down and 90 lb up at 7-0-12 on top chord, and 121 lb down at 5-0-0, and 50 lb down at 7-0-12, and 1240 lb down and 329 lb up at 8-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25



Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

March 27.2025

Continued on page 2

🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|---------------------|-----|-----|--------------------------|
| | | | | | T36803533 |
| 6250757 | A08 | Roof Special Girder | 1 | 1 | |
| | | | | | Job Reference (optional) |

Tibbetts Lumber Co., LLC (Ocala, FL),

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:21 2025 Page 2 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-XqPuaPeciVvfMJA75VlhPOKLCMtJsulqc0gn?rzX1Fa

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-60, 3-5=-60, 5-6=-60, 6-9=-60, 2-8=-20

Concentrated Loads (lb) Vert: 3=-146(F) 15=-93(F) 14=-1240(F) 20=-65(F) 22=-41(F)







| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray | |
|-----------------------------|----------------------------|------------|-----------|----------|--|--|
| | | | | | T36803534 | |
| 6250757 | B01 | Hip Girder | 1 | 1 | | |
| | | | | | Job Reference (optional) | |
| Tibbetts Lumber Co., LLC (C | ocala, FL), Ocala, FL - 34 | 472, | 8.8 | 30 s Mar | 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:21 2025 Page 1 | |
| | | ID:P? | 0H JivCs9 | m KS0yE | BlpQyRZGv-XqPuaPeciVvfMJA75VlhPOKS4Mnjs2Mqc0qn?rzX1Fa | |

14-0-0

3-6-0

17-2-12

3-2-12

10-6-0

3-6-0

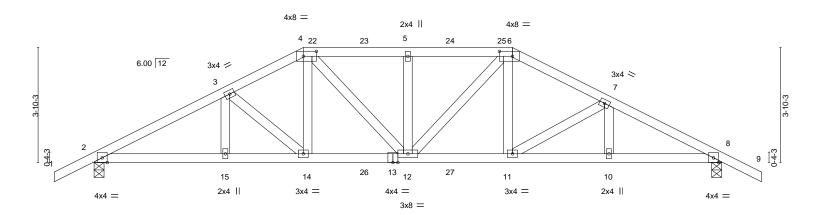
Scale = 1:38.6

22-4-0

1-4-0

21-0-0

3-9-4



| <u> </u> | 4-4-12 4-4-12 | 7-0-0 2-7-5 | 10-6-0 3-6-0 | 14-0-0 3-6-0 | 17-2-12 3-2-12 | 21-0-0 3-9-4 |
|--|---|---------------------------------------|--|--|-------------------------------------|---|
| Plate Offsets (X,Y) | [4:0-5-4,0-2-0], [6:0-5-4,0 | 0-2-0] | | | | |
| LOADING (psf) TCLL 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0 | SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2023/1 | 2-0-0 1.25 1.25 NO PI2014 | CSI. TC 0.44 BC 0.86 WB 0.14 Matrix-MS | DEFL. in (loc) Vert(LL) -0.13 12 Vert(CT) -0.26 12-14 Horz(CT) 0.10 8 Wind(LL) 0.13 12 | 2 >999 360 >957 240 3 n/a n/a | PLATES GRIP MT20 244/190 Weight: 113 lb FT = 20% |

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

BOT CHORD

TOP CHORD 2x4 SP No 2 BOT CHORD 2x4 SP No 2 WFBS

2x4 SP No.2

(size) 2=0-4-0, 8=0-4-0

4-4-12

4-4-12

1-4-0

Max Horz 2=-83(LC 25) Max Uplift 2=-529(LC 8), 8=-529(LC 8)

Max Grav 2=1915(LC 1), 8=1915(LC 1)

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

2-3=-3667/935, 3-4=-3458/937, 4-5=-3457/947, 5-6=-3457/947, 6-7=-3460/932, TOP CHORD

> 7-8=-3682/933 2-15=-743/3228. 14-15=-743/3228. 12-14=-692/3083. 11-12=-689/3087. 10-11=-750/3248.

8-10=-750/3248

3-14=-305/149, 4-14=-11/624, 4-12=-148/575, 5-12=-532/315, 6-12=-149/573, 6-11=0/619, 7-11=-308/155

WEBS

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; 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=529. 8=529.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 391 lb down and 343 lb up at 7-0-0, 135 lb down and 127 lb up at 9-0-12, 135 lb down and 127 lb up at 10-6-0, and 135 lb down and 127 lb up at 11-11-4, and 391 lb down and 343 lb up at 14-0-0 on top chord, and 356 lb down and 22 lb up at 7-0-0, 90 lb down at 9-0-12, 90 lb down at 10-6-0, and 90 lb down at 11-11-4, and 356 lb down and 22 lb up at 13-11-4 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



Structural wood sheathing directly applied or 2-9-13 oc purlins.

Rigid ceiling directly applied or 6-10-0 oc bracing.

Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025

Continued on page 2

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|------------|-----|-----|--------------------------|
| | | l <u>.</u> | | | T36803534 |
| 6250757 | B01 | Hip Girder | 1 | 1 | |
| | | | | | Job Reference (optional) |

Tibbetts Lumber Co., LLC (Ocala, FL),

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:22 2025 Page 2 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-?0zGnlfETp1WzTlJfCGwxbsdqm7ybVczrgPKYHzX1FZ

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-60, 4-6=-60, 6-9=-60, 16-19=-20

Concentrated Loads (lb)

Vert: 4=-344(F) 6=-344(F) 14=-356(F) 12=-73(F) 5=-125(F) 11=-356(F) 23=-125(F) 24=-125(F) 26=-73(F) 27=-73(F)



Job Truss Truss Type Qty Ply 2405-A-Tray T36803535 6250757 B02 Hip Job Reference (optional)

3-0-0

1-11-4

1-11-4

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

7-0-12

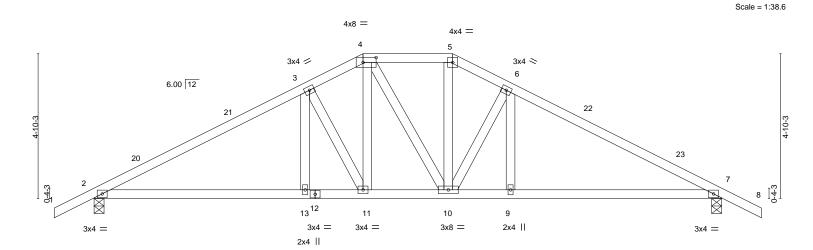
8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:22 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-?0zGnlfETp1WzTlJfCGwxbscHmCabVPzrgPKYHzX1FZ 22-4-0 12-0-0 13-11-4 21-0-0

7-0-12

7-0-12

Structural wood sheathing directly applied or 4-3-4 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.



| Plate Off | sets (X,Y) | [4:0-5-4,0-2-0] | | | | 000 | 1117 | | | 7 0 12 | |
|-----------|------------|-----------------|--------|-------|------|----------|-------------|--------|-----|----------------|----------|
| LOADIN | G (psf) | SPACING- | 2-0-0 | CSI. | | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.48 | Vert(LL) | -0.07 13-16 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.57 | Vert(CT) | -0.17 13-16 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.15 | Horz(CT) | 0.03 7 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2023/T | PI2014 | Matri | x-MS | Wind(LL) | 0.07 13-16 | >999 | 240 | Weight: 112 lb | FT = 20% |

BRACING-

TOP CHORD

BOT CHORD

1-11-4

LUMBER-BOT CHORD

REACTIONS.

WEBS

TOP CHORD 2x4 SP No 2 2x4 SP No 2

2x4 SP No.2

(size) 2=0-4-0, 7=0-4-0 Max Horz 2=103(LC 11)

Max Uplift 2=-240(LC 12), 7=-240(LC 12) Max Grav 2=920(LC 1), 7=920(LC 1)

7-0-12 7-0-12

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1397/316, 3-4=-1110/330, 4-5=-938/291, 5-6=-1112/330, 6-7=-1397/316 **BOT CHORD** $2-13=-173/1180,\ 11-13=-173/1180,\ 10-11=-93/935,\ 9-10=-187/1180,\ 7-9=-187/1180$ WFBS 3-13=0/272, 3-11=-517/179, 4-11=-127/427, 5-10=-116/428, 6-10=-513/178, 6-9=0/267

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 9-0-0, Zone3 9-0-0 to 12-0-0, Zone2 12-0-0 to 16-2-15, Zone1 16-2-15 to 22-4-0 zone; cantilever left and 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.
- 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=240, 7=240.



Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025



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| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray | |
|-----------------------------|----------------------------|------------|--|----------|--|--|
| | | | | | T36803536 | |
| 6250757 | B03 | Common | 1 | 1 | | |
| | | | | | Job Reference (optional) | |
| Tibbetts Lumber Co., LLC (C | ocala, FL), Ocala, FL - 34 | 472, | 8.8 | 30 s Mar | 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:23 2025 Page 1 | |
| | | ID:P?10H_ | ID:P?10H_JjvCs9m_KS0yBIpQyRZGv-UDXe?4qtE79NbdKWDwo9UpPmKAX?KxZ74K9u4jz | | | |

13-11-4

10-6-0

3-5-4

Scale = 1:37.7

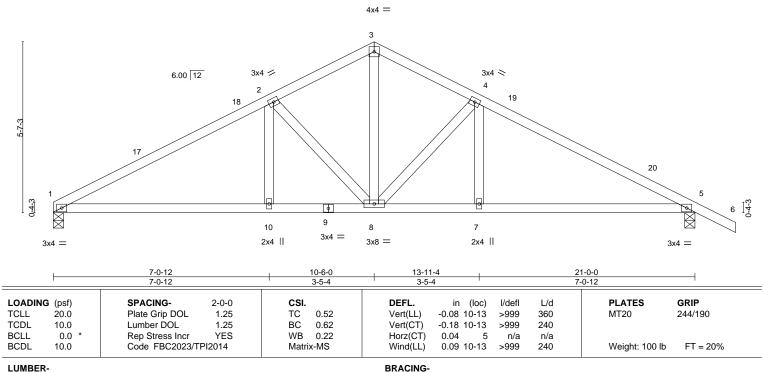
22-4-0

21-0-0

7-0-12

Structural wood sheathing directly applied or 4-0-3 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.



TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SP No.2 WFBS

REACTIONS. (size) 1=0-4-0, 5=0-4-0

Max Horz 1=-116(LC 10)

Max Uplift 1=-175(LC 12), 5=-242(LC 12) Max Grav 1=837(LC 1), 5=923(LC 1)

7-0-12 7-0-12

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-1409/388, 2-3=-994/352, 3-4=-993/339, 4-5=-1400/369 **BOT CHORD** 1-10=-227/1192 8-10=-227/1192 7-8=-230/1182 5-7=-230/1182 **WEBS** 3-8=-248/743, 4-8=-520/207, 4-7=0/271, 2-8=-535/212, 2-10=0/274

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 10-6-0, Zone2 10-6-0 to 14-8-15, Zone1 14-8-15 to 22-4-0 zone; cantilever left and 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) 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) 1=175, 5=242.



MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

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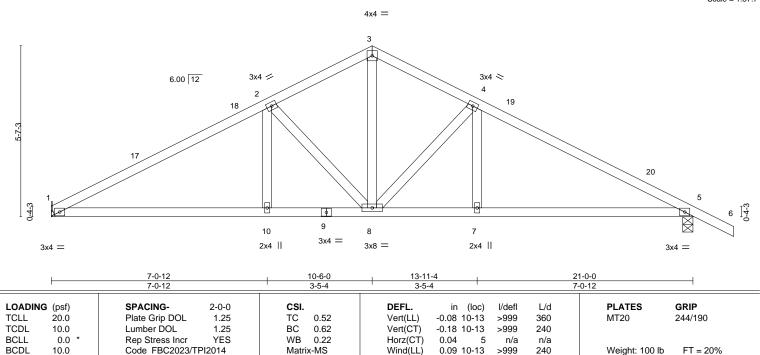


Job Truss Truss Type Qty Ply 2405-A-Tray T36803537 B04 2 6250757 Common Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:23 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-UDXe?4gtE79NbdKWDwo9UpPmKAX?KxZ74K9u4jzX1FY 22-4-0 10-6-0 21-0-0

3-5-4

3-5-4

Scale = 1:37.7



LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SP No.2 WFBS

BRACING-

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

7-0-12

REACTIONS. (size) 1=Mechanical, 5=0-4-0

Max Horz 1=-116(LC 10)

Max Uplift 1=-175(LC 12), 5=-242(LC 12) Max Grav 1=837(LC 1), 5=923(LC 1)

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

TOP CHORD 1-2=-1409/388, 2-3=-994/352, 3-4=-993/339, 4-5=-1400/369 **BOT CHORD** 1-10=-227/1192 8-10=-227/1192 7-8=-230/1182 5-7=-230/1182 **WEBS** 3-8=-248/743, 4-8=-520/207, 4-7=0/271, 2-8=-535/212, 2-10=0/274

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 10-6-0, Zone2 10-6-0 to 14-8-15, Zone1 14-8-15 to 22-4-0 zone; cantilever left and 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=175, 5=242.



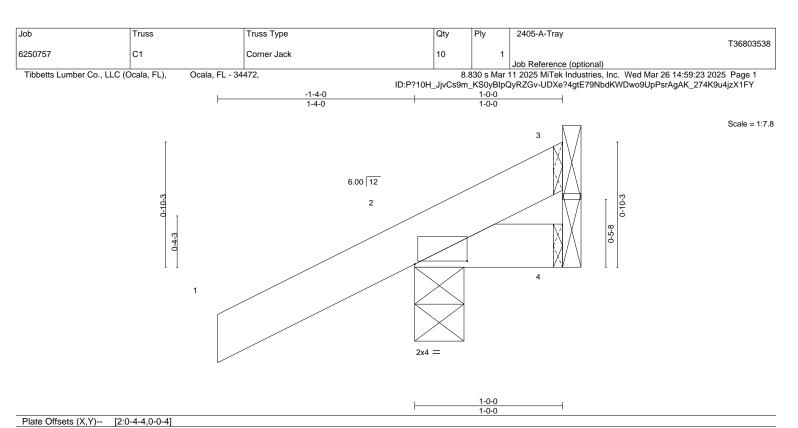
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🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.





| LOADIN | G (psf) | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP | |
|--------|---------|-----------------|-------|------|------|----------|------|-------|--------|-----|--------|---------|--|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.17 | Vert(LL) | 0.00 | 7 | >999 | 360 | MT20 | 244/190 | |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.03 | Vert(CT) | 0.00 | 7 | >999 | 240 | | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 4 | n/a | n/a | | | |

Matrix-MP

LUMBER-

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

10.0

Wind(LL) **BRACING-** -0.00

>999

240

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

Weight: 6 lb

FT = 20%

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical

Max Horz 2=55(LC 12)

Max Uplift 3=-1(LC 1), 2=-118(LC 12), 4=-14(LC 1) Max Grav 3=11(LC 12), 2=174(LC 1), 4=28(LC 12)

Code FBC2023/TPI2014

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

NOTES-

BCDL

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever 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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=118.



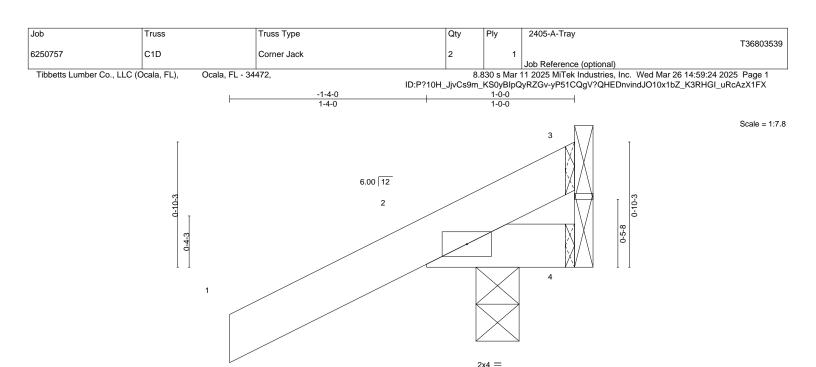
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| L | 0-4-0 | 1-0-0 | | | | | | |
|---|-------|-------|--|--|--|--|--|--|
| | 0-4-0 | 0-8-0 | | | | | | |

| LOADIN | G (psf) | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | I/defI | L/d | PLATES | GRIP |
|--------|---------|-----------------|--------|-------|------|----------|-------|-------|--------|-----|--------------|----------|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.17 | Vert(LL) | -0.00 | 5 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.17 | Vert(CT) | -0.00 | 5 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2023/TI | PI2014 | Matri | x-MP | Wind(LL) | 0.00 | 5 | >999 | 240 | Weight: 6 lb | FT = 20% |

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

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

REACTIONS.

(size) 3=Mechanical, 4=Mechanical, 2=0-3-8

Max Horz 2=55(LC 12)

Max Uplift 3=-42(LC 1), 4=-61(LC 1), 2=-178(LC 12) Max Grav 3=39(LC 12), 4=60(LC 12), 2=262(LC 1)

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

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left exposed; porch left 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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2 = 178.

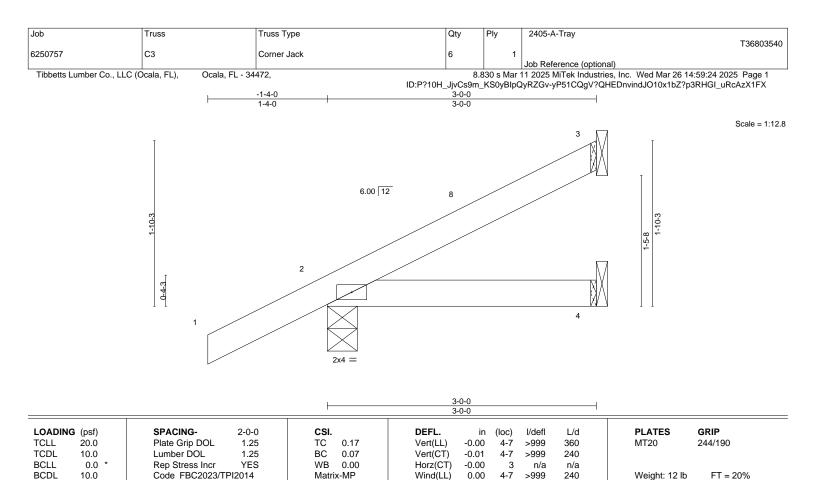


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March 27,2025







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

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

REACTIONS.

(size) 3=Mechanical, 2=0-4-0, 4=Mechanical

Max Horz 2=91(LC 12)

Max Uplift 3=-34(LC 12), 2=-90(LC 12)

Max Grav 3=67(LC 1), 2=216(LC 1), 4=51(LC 3)

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

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 2-11-4 zone; cantilever 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
- 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 100 lb uplift at joint(s) 3, 2.



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👠 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job Truss Truss Type Qty Ply 2405-A-Tray T36803541 2 6250757 СЗА Corner Jack Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:24 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-yP51CQgV?QHEDnvindJO10x2dZ?F3RHGI_uRcAzX1FX 3-0-0 Scale: 1"=1 6.00 12 0-4-3

LOADING (psf) SPACING-2-0-0 CSI. **DEFL** in (loc) I/defI L/d **PLATES** GRIP **TCLL** 20.0 Plate Grip DOL 1.25 TC 0.10 Vert(LL) -0.00 3-6 >999 360 MT20 244/190 TCDL Lumber DOL 1.25 вс 0.11 Vert(CT) -0.01 3-6 >999 240 WB 0.00 Horz(CT) **BCLL** 0.0 Rep Stress Incr YES -0.00 n/a n/a Wind(LL) BCDL 10.0 Code FBC2023/TPI2014 Matrix-MP 0.01 3-6 >999 240 Weight: 10 lb FT = 20%

3-0-0 3-0-0

LUMBER-

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

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 3-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-4-0, 2=Mechanical, 3=Mechanical

Max Horz 1=55(LC 12)

Max Uplift 1=-10(LC 12), 2=-42(LC 12)

Max Grav 1=118(LC 1), 2=76(LC 1), 3=54(LC 3)

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

- $1) \ \ Wind: ASCE\ 7-22; \ Vult=140mph\ (3-second\ gust)\ \ Vasd=108mph; \ TCDL=4.2psf; \ BCDL=6.0psf; \ h=30ft; \ B=45ft; \ L=24ft; \ eave=4ft; \ Cat.$ II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever 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
- 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 100 lb uplift at joint(s) 1, 2.



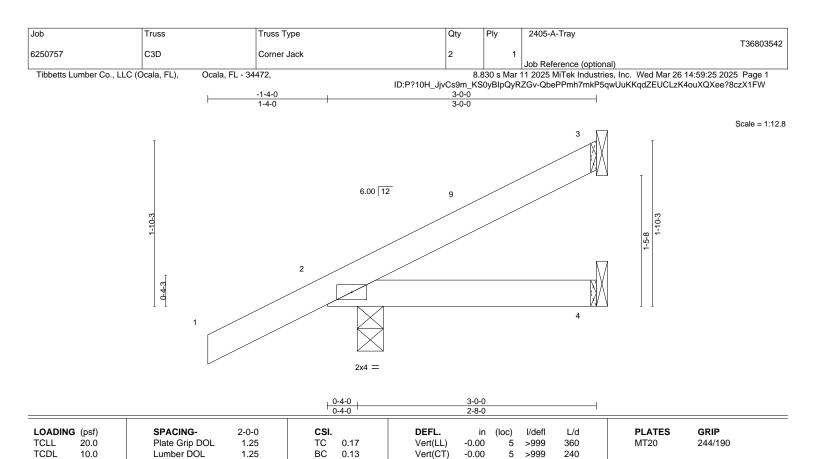
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BCLL

BCDL

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

0.0

10.0

Wind(LL) BRACING-

Horz(CT)

0.00

0.00

3

5 >999

n/a

n/a

240

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

Weight: 12 lb

FT = 20%

REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical

Code FBC2023/TPI2014

Rep Stress Incr

Max Horz 2=91(LC 12)

Max Uplift 3=-30(LC 12), 2=-150(LC 12), 4=-13(LC 9) Max Grav 3=50(LC 1), 2=258(LC 1), 4=39(LC 3)

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

1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 2-11-4 zone; cantilever left exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

WB

Matrix-MP

0.00

- 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.

YES

- 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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2 = 150.



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Job Truss Truss Type Qty Ply 2405-A-Tray T36803543 СЗТ 2 6250757 Corner Jack Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:25 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-QbePPmh7mkP5qwUuKKqdZEUCLzLsouXQXee?8czX1FW -1-4-0 3-0-0 1-4-0 0-10-0 Scale = 1:12.8 0-10-11 6.00 12 5 0-11-8 0-4-3 ⁷ 2x4 ||

| LOADIN | G (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|--------|---------|-----------------|--------|-----------|----------|-------|-------|--------|-----|---------------|----------|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC 0.17 | Vert(LL) | -0.00 | 7 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC 0.08 | Vert(CT) | -0.01 | 7 | >999 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB 0.00 | Horz(CT) | 0.01 | 5 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2023/TI | PI2014 | Matrix-MR | Wind(LL) | 0.01 | 7 | >999 | 240 | Weight: 13 lb | FT = 20% |

LUMBER-

REACTIONS.

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

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 3-0-0 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing.

(size) 4=Mechanical, 2=0-4-0, 5=Mechanical Max Horz 2=91(LC 12)

Max Uplift 4=-18(LC 12), 2=-89(LC 12), 5=-1(LC 12)

Max Grav 4=57(LC 1), 2=217(LC 1), 5=51(LC 3)

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

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 2-11-4 zone; cantilever 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
- 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 100 lb uplift at joint(s) 4, 2, 5.



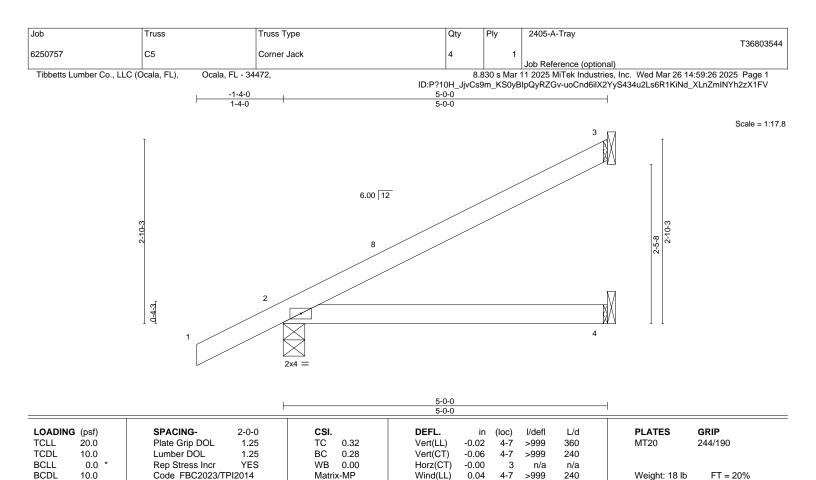
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TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 BRACING-

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

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical

Max Horz 2=129(LC 12)

Max Uplift 3=-69(LC 12), 2=-91(LC 12)

Max Grav 3=125(LC 1), 2=288(LC 1), 4=90(LC 3)

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

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 4-11-4 zone; cantilever 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
- 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 100 lb uplift at joint(s) 3, 2.



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March 27,2025



👠 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job Truss Truss Type Qty Ply 2405-A-Tray T36803545 2 6250757 C5A Corner Jack Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:26 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-uoCnd6ilX2YyS434u2Ls6R1KRNcLXLnZmlNYh2zX1FV Scale = 1:17.0 6.00 12 0-4-3

| Plate Offs | sets (X,Y) | [1:Eage,0-0-4] | | | | | | | | | | | |
|------------|------------|-----------------|--------|-------|------|----------|-------|-------|--------|-----|---------------|----------|--|
| 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 | 0.34 | Vert(LL) | -0.03 | 3-6 | >999 | 360 | MT20 | 244/190 | |
| TCDL | 10.0 | Lumber DOL | 1.25 | ВС | 0.32 | Vert(CT) | -0.07 | 3-6 | >905 | 240 | | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | -0.00 | 2 | n/a | n/a | | | |
| BCDL | 10.0 | Code FBC2023/T | PI2014 | Matri | x-MP | Wind(LL) | 0.05 | 3-6 | >999 | 240 | Weight: 16 lb | FT = 20% | |

5-0-0

LUMBER-

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

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

REACTIONS. (size) 1=0-4-0, 2=Mechanical, 3=Mechanical

Max Horz 1=92(LC 12)

Max Uplift 1=-18(LC 12), 2=-74(LC 12)

Max Grav 1=198(LC 1), 2=130(LC 1), 3=92(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 4-11-4 zone; cantilever 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 100 lb uplift at joint(s) 1, 2.



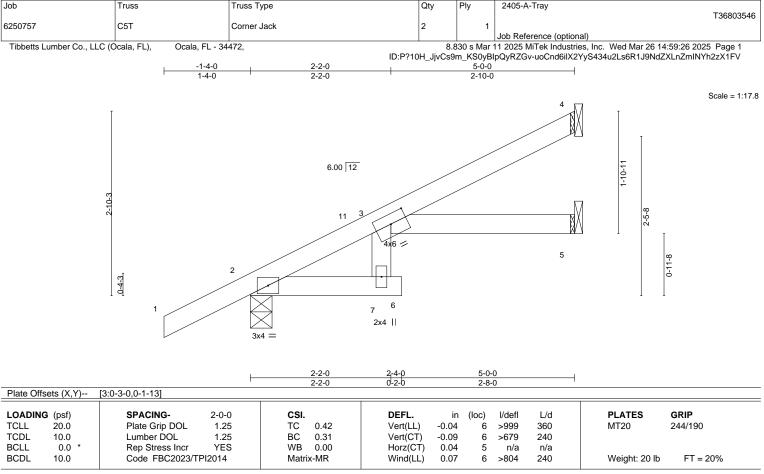
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TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 **BRACING-**

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 5-0-0 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical

Max Horz 2=129(LC 12)

Max Uplift 4=-53(LC 12), 2=-89(LC 12)

Max Grav 4=114(LC 1), 2=292(LC 1), 5=88(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 4-11-4 zone; cantilever 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 100 lb uplift at joint(s) 4, 2.



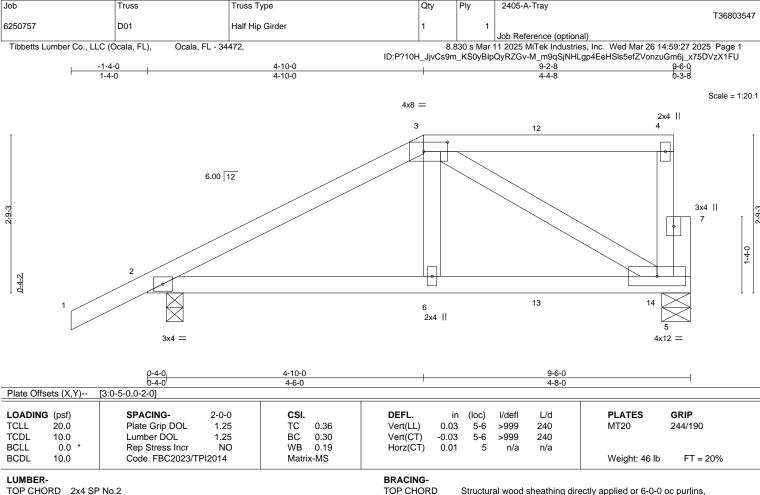
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BOT CHORD

2x4 SP No 2 2x4 SP No 2

BOT CHORD WFBS 2x4 SP No.2

REACTIONS. (size) 2=0-3-8, 5=0-6-0 Max Horz 2=127(LC 8)

Max Uplift 2=-340(LC 8), 5=-358(LC 8) Max Grav 2=568(LC 1), 5=548(LC 1)

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

TOP CHORD 2-3=-597/331

BOT CHORD 2-6=-324/469. 5-6=-331/478 WFBS 3-6=-126/289. 3-5=-489/344

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; porch left exposed; 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=340, 5=358.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 111 lb down and 170 lb up at 4-10-0, and 52 lb down and 87 lb up at 6-10-12, and 73 lb down and 81 lb up at 9-0-12 on top chord, and 140 lb down and 154 lb up at 4-10-0, and 37 lb down and 48 lb up at 6-10-12, and 51 lb down and 41 lb up at 8-10-12 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: 1-3=-60, 3-4=-60, 5-8=-20

Concentrated Loads (lb) Vert: 4=-73(F) 6=-76(F) 3=-64(F) 12=-48(F) 13=-20(F) 14=-27(F) ulius Lee PE No. 34869
liTek Inc. DBA MVP-1
1023 Swd

Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job Truss Truss Type Qty Ply 2405-A-Tray T36803548 E3 2 6250757 Jack-Open Supported Gable Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

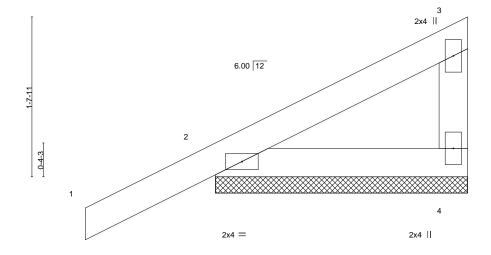
8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:27 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-M_m9qSjNHLgp4EeHSls5efZX?n0cGo1j_x75DVzX1FU

Structural wood sheathing directly applied or 2-7-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

Scale = 1:11.8



| 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 | 0.22 | Vert(LL) | -0.00 | 1 | n/r | 120 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.07 | Vert(CT) | -0.00 | 1 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2023/TF | PI2014 | Matri | x-P | | | | | | Weight: 12 lb | FT = 20% |

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

2x4 SP No.2 WFBS

REACTIONS. (size) 4=2-7-0, 2=2-7-0 Max Horz 2=81(LC 12)

Max Uplift 4=-11(LC 12), 2=-92(LC 12) Max Grav 4=76(LC 17), 2=199(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 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

-1-4-0

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



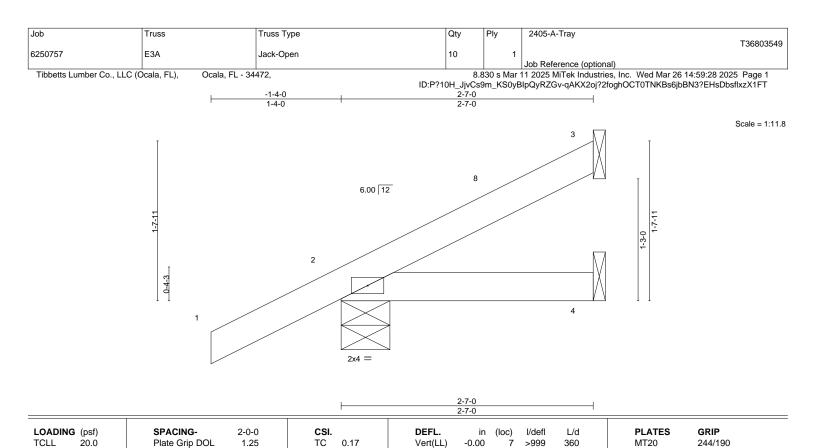
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March 27,2025









TCDL

BCLL

BCDL

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

0.0

10.0

Wind(LL) BRACING-

Vert(CT)

Horz(CT)

-0.00

-0.00

-0.00

>999

>999

n/a

3

240

n/a

240

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 2-7-0 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

Weight: 11 lb

FT = 20%

REACTIONS.

(size) 3=Mechanical, 2=0-6-0, 4=Mechanical

Code FBC2023/TPI2014

Max Horz 2=84(LC 12)

Max Uplift 3=-26(LC 12), 2=-92(LC 12)

Lumber DOL

Rep Stress Incr

Max Grav 3=55(LC 1), 2=202(LC 1), 4=43(LC 3)

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

1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 2-6-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

вс

WB

Matrix-MP

0.05

0.00

- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

1.25

YES

- 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 100 lb uplift at joint(s) 3, 2.



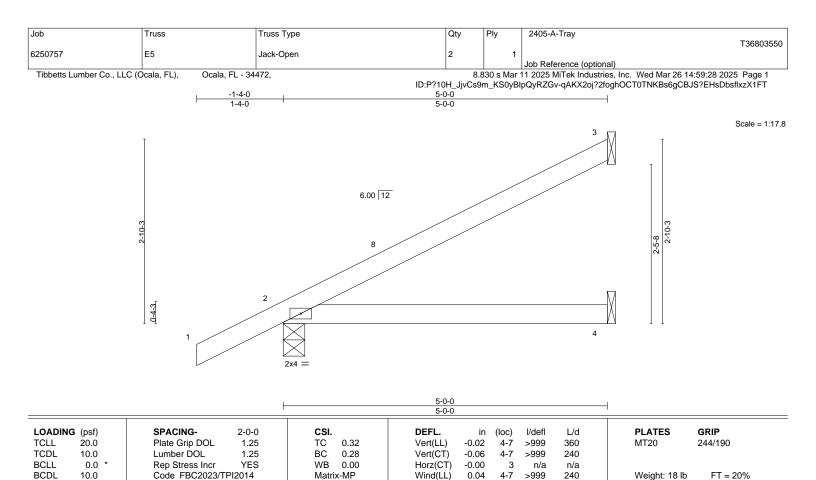
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March 27,2025



🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.





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

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

REACTIONS.

(size) 3=Mechanical, 2=0-4-0, 4=Mechanical

Max Horz 2=129(LC 12)

Max Uplift 3=-69(LC 12), 2=-91(LC 12)

Max Grav 3=125(LC 1), 2=288(LC 1), 4=90(LC 3)

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

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 4-11-4 zone; cantilever 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
- 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 100 lb uplift at joint(s) 3, 2.



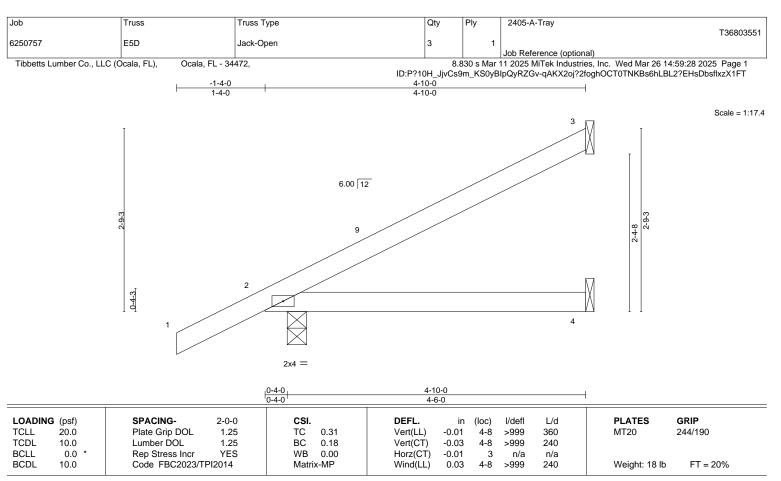
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👠 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.





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

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 4-10-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical

Max Horz 2=126(LC 12)

Max Uplift 3=-69(LC 12), 2=-164(LC 12), 4=-28(LC 9) Max Grav 3=108(LC 1), 2=313(LC 1), 4=77(LC 3)

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

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 4-9-4 zone; cantilever left exposed porch left 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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=164.



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Job Truss Truss Type Qty Ply 2405-A-Tray T36803552 6250757 E5G Jack-Closed Girder Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:29 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-INuwF8kepzwXJYnfZAuZk4fuOacDkee?SFcCHNzX1FS 2-10-0 5-0-0 2-10-0 2-2-0 Scale = 1:17.0 2x4 || 6.00 12 4x4 / 2 0-4-3

| 2-10-0 | 5-0-0 | 1 |
|--------|-------|---|
| 2-10-0 | 2-2-0 | 7 |
| | | |

BRACING-

TOP CHORD

BOT CHORD

7

3x10 ||

6

4x8

except end verticals.

Structural wood sheathing directly applied or 5-0-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

| | | | | ۷- | - 10-0 | | | 2-2-0 | | | | | |
|----------|-------------|-----------------|--------|------|--------|----------|-------|-------|--------|-----|---------------|----------|--|
| Plate Of | fsets (X,Y) | [1:0-1-4,Edge] | | | | | | | | | | | |
| | | | | | | | | | | | _ | | |
| LOADIN | IG (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 | 7-9 | >999 | 360 | MT20 | 244/190 | |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.50 | Vert(CT) | -0.02 | 7-9 | >999 | 240 | | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.25 | Horz(CT) | 0.01 | 6 | n/a | n/a | | | |
| BCDL | 10.0 | Code FBC2023/T | PI2014 | Matr | ix-MP | Wind(LL) | 0.01 | 7-9 | >999 | 240 | Weight: 28 lb | FT = 20% | |
| | | | | 1 | | | | | | | | | |

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No 2 2x6 SP No 2

BOT CHORD WFBS 2x4 SP No.2

(size) 1=0-4-0, 6=Mechanical Max Horz 1=92(LC 27)

Max Uplift 1=-148(LC 8), 6=-309(LC 8) Max Grav 1=765(LC 1), 6=1260(LC 1)

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

TOP CHORD 1-2=-1166/223

BOT CHORD 1-7=-259/1041. 6-7=-259/1041 WFBS 2-7=-223/1105, 2-6=-1284/320

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; 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.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=148. 6=309.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 817 lb down and 195 lb up at 2-0-12, and 818 lb down and 195 lb up at 4-0-12 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: 1-3=-60, 3-4=-20, 1-5=-20

Concentrated Loads (lb)

Vert: 10=-817(F) 11=-818(F)



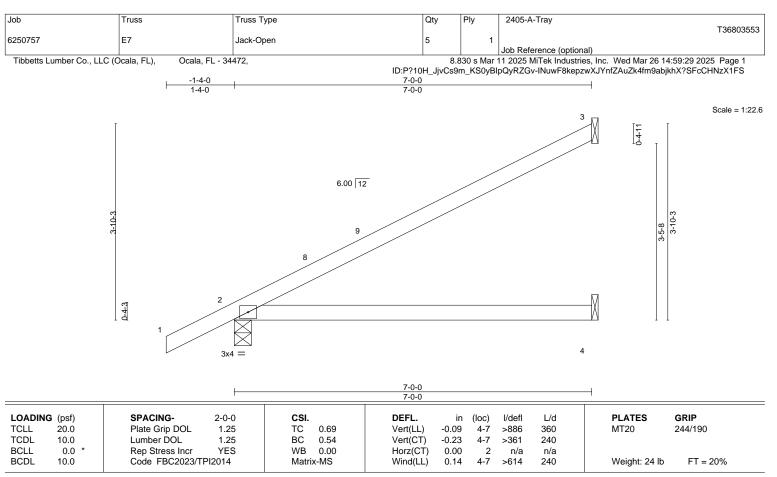
Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025



🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.





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

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-4-0, 4=Mechanical

Max Horz 2=166(LC 12)

Max Uplift 3=-102(LC 12), 2=-95(LC 12)

Max Grav 3=181(LC 1), 2=365(LC 1), 4=129(LC 3)

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

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 6-11-4 zone; cantilever 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
- 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 100 lb uplift at joint(s) 2 except (jt=lb) 3=102.



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March 27,2025



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Job Truss Truss Type Qty Ply 2405-A-Tray T36803554 6250757 E7A Jack-Open Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:30 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-mZSITUIGaG2OxiMs7uQoGHBwT_xdT8n9hvLmqqzX1FR Scale = 1:21.8 6.00 12 3-5-8 0-4-3 3 3x4 7-0-0 7-0-0 LOADING (psf) SPACING-2-0-0 CSI. **DEFL** in (loc) I/defI L/d **PLATES** GRIP **TCLL** 20.0 Plate Grip DOL 1.25 TC 0.72 Vert(LL) -0.11 3-6 >778 360 MT20 244/190 TCDL Lumber DOL 1.25 вс 0.56 Vert(CT) -0.25 3-6 >333 240 WB 0.00 Horz(CT) **BCLL** 0.0 Rep Stress Incr YES 0.01 n/a n/a

LUMBER-

BCDL

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

10.0

Wind(LL) BRACING- 0.15

3-6

>562

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 6-0-0 oc purlins.

Weight: 22 lb

FT = 20%

Rigid ceiling directly applied or 10-0-0 oc bracing.

240

REACTIONS. (size) 1=0-4-0, 2=Mechanical, 3=Mechanical

Max Horz 1=129(LC 12)

Max Uplift 1=-26(LC 12), 2=-106(LC 12)

Max Grav 1=278(LC 1), 2=185(LC 1), 3=130(LC 3)

Code FBC2023/TPI2014

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

1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 6-11-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

Matrix-MS

- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific
- 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 100 lb uplift at joint(s) 1 except (jt=lb) 2 = 106.



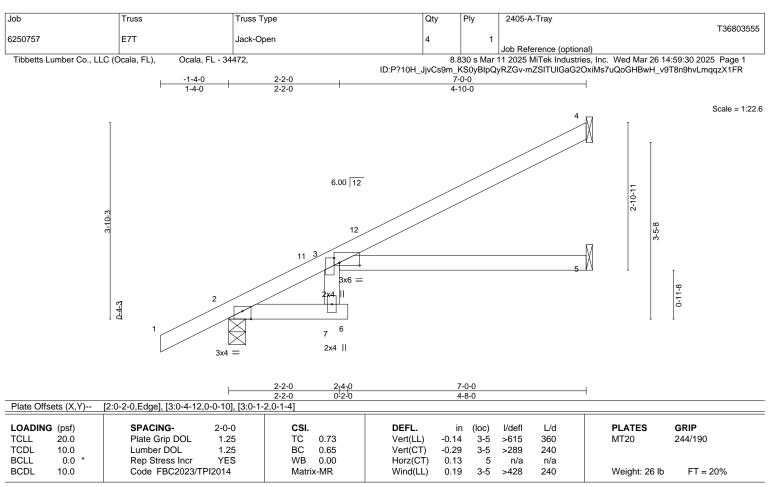
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March 27,2025



🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.





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

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-0, 5=Mechanical

Max Horz 2=166(LC 12)

Max Uplift 4=-87(LC 12), 2=-93(LC 12)

Max Grav 4=169(LC 1), 2=369(LC 1), 5=126(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 6-11-4 zone; cantilever 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 100 lb uplift at joint(s) 4, 2.



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| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|--------------|-----|-----|--------------------------|
| | | | | | T36803556 |
| 6250757 | FL1 | Floor Girder | 1 | 1 | |
| | | | | | Job Reference (optional) |

Ocala, FL - 34472,

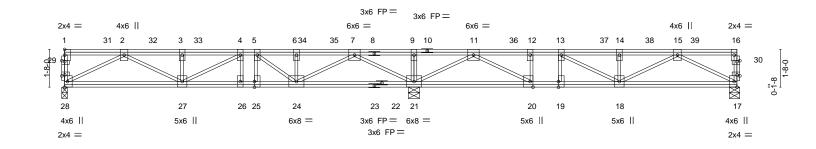
8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:31 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-Fl0ggpmuLaAEZrx2hbx1pVk98OJ2CWOIvZ5JMGzX1FQ



0-6-0 1-8-0

1-1-8

0-1-8 Scale = 1:50.8



| | 15-6-8 | | 14-4-8 | |
|---------------------|---|----------------------------|--|--------------------------------|
| Plate Offsets (X,Y) | [17:0-1-8,0-0-8], [19:0-3-0,0-0-0], [20:0-3 | 3-0,Edge], [25:0-3-0,0-0-0 |)], [28:0-1-8,0-0-8], [29:0-1-8,0-0-8], [30:0-1-8,0-0-8] | |
| | | | | |
| LOADING (psf) | SPACING- 2-0-0 | CSI. | DEFL. in (loc) I/defl L/d | PLATES GRIP |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.47 | Vert(LL) -0.06 18-19 >999 360 | MT20 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.42 | Vert(CT) -0.08 18-19 >999 240 | |
| BCLL 0.0 | Rep Stress Incr NO | WB 0.36 | Horz(CT) 0.02 17 n/a n/a | |
| BCDL 5.0 | Code FBC2023/TPI2014 | Matrix-S | | Weight: 243 lb FT = 20%F, 11%E |
| | | | | |

LUMBER-TOP CHORD

2x4 SP No 2(flat) 2x4 SP No.2(flat)

BOT CHORD WFBS 2x4 SP No.2(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins,

29-11-0

except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

6-0-0 oc bracing: 21-24,20-21.

REACTIONS. (size) 28=0-3-0, 17=0-5-8, 21=0-6-0

Max Grav 28=750(LC 3), 17=683(LC 4), 21=2067(LC 1)

15-6-8

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

2-3=-1732/0, 3-4=-1732/0, 4-5=-1661/0, 5-6=-1207/0, 6-7=-1207/0, 7-9=0/1642,

9-11=0/1642, 11-12=-1193/0, 12-13=-1193/0, 13-14=-1504/0, 14-15=-1504/0

27-28=0/1161, 26-27=0/1661, 25-26=0/1661, 24-25=0/1661, 20-21=-378/159,

19-20=0/1193, 18-19=0/1193, 17-18=0/1036

9-21=-337/0, 2-28=-1309/0, 7-21=-1820/0, 2-27=0/652, 7-24=0/1244, 3-27=-302/0,

5-24=-664/0, 15-17=-1168/0, 11-21=-1713/0, 15-18=0/535, 11-20=0/1277, 14-18=-350/0,

12-20=-432/0, 13-18=0/518

NOTES-

WFBS

BOT CHORD

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x6 MT20 unless otherwise indicated.
- 3) Bearing at joint(s) 28, 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 94 lb down at 2-0-0, 94 lb down at 4-0-0, 94 lb down at 6-0-0, 94 lb down at 8-0-0, 94 lb down at 10-0-0, 94 lb down at 12-0-0, 94 lb down at 14-0-0, 72 lb down at 16-0-0, 94 lb down at 17-11-0, 94 lb down at 19-11-0, 94 lb down at 21-11-0, 94 lb down at 23-11-0, and 94 lb down at 25-11-0 and 94 lb down at 27-11-0 on top 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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf)

Vert: 17-28=-10, 1-16=-100

Concentrated Loads (lb)

Vert: 10=-14(B) 4=-14(B) 11=-14(B) 13=-14(B) 8=-14(B) 31=-14(B) 32=-14(B) 33=-14(B) 34=-14(B) 35=-14(B) 36=-14(B) 37=-14(B) 38=-14(B) 39=-14(B)



MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025



🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|------------|-----|-----|--------------------------|
| 6050757 | FL2 | Floor | | _ | T36803557 |
| 6250757 | FLZ | Floor | 2 | ' | Job Reference (optional) |

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:34 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-fKholromeVYpQJgdMjUkQ7MhObK0PsUkbXJzzbzX1FN





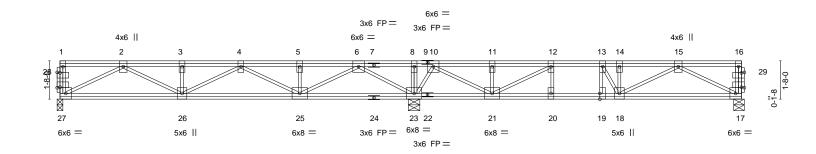


.22-7-8.23-7-8

Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 6-0-0 oc bracing.

0-1-8 Scale = 1:50.2



| l l | | | 3-3-0 | | | ιστωτο | 21-7-0 | | 22-1-0 23-1-0 | 23-11-0 | |
|-------|---------------|-----------------------------|------------------|----------------|--------------|----------------------|-------------|--------|---------------|----------------|-----------------|
| Г | | 1 | 5-5-0 | | | 0-1-8 | 5-11-8 | | 1-0-0 1-0-0 | 6-3-8 | |
| | | | | | | 0-1-8 | | | | | |
| Plate | Offsets (X,Y) | [17:0-1-8,0-0-5], [19:0-3-0 | 0,0-0-0], [27:0- | 1-8,0-0-5], [2 | 8:0-1-8,0-0- | 5], [29:0-1-8,0-0-5] | | | | | |
| | | | | | | | | | | | |
| LOAD | ING (psf) | SPACING- | 2-0-0 | CSI. | | DEFL. | in (loc) | I/defI | L/d | PLATES | GRIP |
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.34 | Vert(LL) | -0.06 25-26 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | ВС | 0.40 | Vert(CT) | -0.08 25-26 | >999 | 240 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.40 | Horz(CT) | 0.02 17 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2023/T | PI2014 | Matri | <-S | | | | | Weight: 245 lb | FT = 20%F, 11%E |

BRACING-

TOP CHORD

BOT CHORD

15-8-0

21-7-8

except end verticals.

LUMBER-

TOP CHORD 2x4 SP No 2(flat) 2x4 SP No.2(flat)

BOT CHORD **WEBS** 2x4 SP No.2(flat)

15-5-0

REACTIONS. (size) 27=0-3-0, 23=0-6-0, 17=0-5-8

Max Grav 27=733(LC 3), 23=1946(LC 1), 17=676(LC 4)

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

2-3=-1706/0, 3-4=-1706/0, 4-5=-1268/118, 5-6=-1268/118, 6-8=0/1587, 8-10=0/1583, TOP CHORD

10-11=-695/464, 11-12=-695/464, 12-13=-1422/44, 13-14=-1486/0, 14-15=-1486/0

BOT CHORD 26-27=0/1154, 25-26=0/1723, 23-25=-518/276, 21-23=-1091/0, 20-21=-44/1422,

19-20=-44/1422, 18-19=-44/1422, 17-18=0/1049

 $13-19 = -314/0,\ 2-27 = -1295/0,\ 2-26 = 0/630,\ 4-25 = -624/0,\ 5-25 = -256/0,\ 6-25 = 0/1235,$ WFBS

6-23=-1634/0, 12-21=-1024/0, 11-21=-254/19, 10-21=0/1428, 10-23=-989/0,

15-17=-1177/0, 15-18=-1/499, 14-18=-343/0, 13-18=0/540

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x6 MT20 unless otherwise indicated.
- 3) Bearing at joint(s) 27, 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.



29-11-0

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March 27,2025



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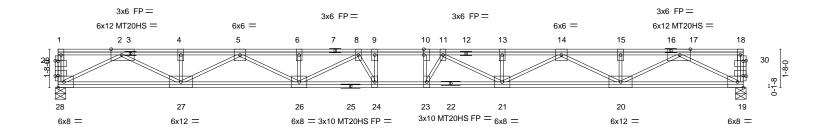
| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|------------|-----|-----|--------------------------|
| 0050757 | FLO | FLOOD | 40 | | T36803558 |
| 6250757 | FL3 | FLOOR | 13 | 1 | Job Reference (optional) |

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:34 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-fKholromeVYpQJgdMjUkQ7MfSbJLPo3kbXJzzbzX1FN



0-1-8 Scale = 1:49.9



| | | - 1 | 14-11- | -8 | 16-1 | 1-0 |
|-----|---------|------------------|--------|------|--------|---------|
| - 1 | 40.40.0 | 13-1 | | 15-1 | 11-8 | 20.44.0 |
| | 13-10-0 | 0-1 ¹ | -8 | 1-0 |)-0 11 | 13-10-0 |
| | | | 1-0-0 |) | 0-1 | 1-8 |

| Plate Oil | Sels (A, f) | [2.0-5-6,Euge], [10.0-5-0,0-0-0 | 0], [17.0-5- | o,⊏ugej, [19.c | <i>)-</i> 1-6,0-0-5 <u>]</u> , | [20.0-1-0,0-0-0], | [29.0-1-6,0-0-5] | , [30.0-1 | 0,0-0-5] | | |
|-----------|-------------|---------------------------------|--------------|----------------|--------------------------------|-------------------|------------------|-----------|----------|----------------|-----------------|
| LOADIN | G (psf) | SPACING- 2- | -0-0 | CSI. | | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL | 40.0 | Plate Grip DOL 1 | 1.00 | TC | 0.46 | Vert(LL) | -0.65 23-24 | >549 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL 1 | 1.00 | BC | 0.51 | Vert(CT) | -0.89 23-24 | >399 | 240 | MT20HS | 187/143 |
| BCLL | 0.0 | Rep Stress Incr Y | /ES | WB | 0.69 | Horz(CT) | 0.10 19 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2023/TPI20 | 14 | Matrix- | S | ` ′ | | | | Weight: 242 lb | FT = 20%F, 11%E |

LUMBER-TOP CHORD

2x4 SP No.2(flat)

BOT CHORD 2x4 SP M 31 or 2x4 SP SS(flat)

WFBS 2x4 SP No.2(flat)

BRACING-TOP CHORD

Structural wood sheathing directly applied or 5-8-13 oc purlins,

except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 28=0-5-8, 19=0-5-8

Max Grav 28=1619(LC 1), 19=1619(LC 1)

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

TOP CHORD 2-4=-4964/0, 4-5=-4964/0, 5-6=-7707/0, 6-8=-7707/0, 8-9=-8392/0, 9-10=-8392/0,

10-11=-8392/0, 11-13=-7707/0, 13-14=-7707/0, 14-15=-4964/0, 15-17=-4964/0

BOT CHORD 27-28=0/2837, 26-27=0/6581, 24-26=0/8316, 23-24=0/8392, 21-23=0/8316, 20-21=0/6581,

19-20=0/2837

WFBS 9-24=-527/276, 10-23=-527/276, 2-28=-3192/0, 2-27=0/2430, 5-27=-1848/0,

 $5\text{-}26\text{=}0/1287,\,8\text{-}26\text{=-}938/0,\,8\text{-}24\text{=-}437/779,\,17\text{-}19\text{=-}3192/0,\,17\text{-}20\text{=}0/2430,}$

14-20=-1848/0, 14-21=0/1287, 11-21=-938/0, 11-23=-437/779

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x6 MT20 unless otherwise indicated.
- 4) Bearing at joint(s) 28, 19 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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March 27,2025



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|--------------|-----|-----|--------------------------|
| | | | | | T36803559 |
| 6250757 | FL4 | Floor Girder | 1 | 1 | |
| | | | | | Job Reference (optional) |

Ocala, FL - 34472,

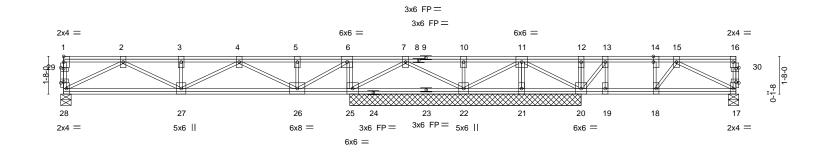
8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:35 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-7WFBWBpOPpgg1TFpwR?zzLvuU?jP8KcuqB3XV1zX1FM







0-1-8 Scale = 1:50.8



| | | | | 24-1- | 12 26-1-12 | | |
|--------|---------------------|---------|----------------|-----------------------------|-----------------------------|---------|--|
| 12-9-0 | 12-10-8 | 17-10-1 | 17-10-5 20-4-1 | 22-11-9 23 ₁ 1-1 | 25-1-12 26 ₁ 3-4 | 29-11-0 | |
| 12-9-0 | 0-1 ¹ -8 | 4-11-8 | 0-0-4 2-5-12 | 2-7-8 0-1 ¹ -8 | 1-0-0 1-0-0 | 3-7-12 | |
| | | | | 1-0- | 1 0-1-8 | | |

| Plate Offsets (X,Y)- | [14:0-3-0,0-0-0], [17:0-1-8,0-0-8], [28:0- | 1-8,0-0-8], [29:0-1-8,0-0-8 | 3], [30:0-1-8,0-0-8] | 0-1-0 | |
|----------------------------|--|-----------------------------|---|----------------|---------------------|
| LOADING (psf) TCLL 40.0 | SPACING- 2-0-0 Plate Grip DOL 1.00 | CSI. TC 0.25 | DEFL. in (loc) I/defl L/d Vert(LL) -0.03 26-27 >999 360 | PLATES MT20 | GRIP 244/190 |
| TCDL 10.0 BCLL 0.0 | Lumber DOL 1.00 Rep Stress Incr NO | BC 0.20 WB 0.35 | Vert(CT) -0.04 26-27 >999 240 Horz(CT) 0.01 17 n/a n/a | 20 | 21,7,00 |
| BCDL 5.0 | Code FBC2023/TPI2014 | Matrix-S | | Weight: 247 lb | FT = 20%F, 11%E |

LUMBER-TOP CHORD

2x4 SP No 2(flat)

BOT CHORD 2x4 SP No.2(flat) WFBS 2x4 SP No.2(flat)

BRACING-

BOT CHORD

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

6-0-0 oc bracing: 25-26,22-25.

REACTIONS. All bearings 10-2-8 except (jt=length) 28=0-5-8, 17=0-5-8.

(lb) - Max Grav All reactions 250 lb or less at joint(s) except 28=600(LC 5), 17=414(LC 4), 22=453(LC 4), 25=1250(LC 12), 20=402(LC 4), 21=602(LC 4)

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

TOP CHORD 2-3=-1217/0, 3-4=-1217/0, 4-5=-317/0, 5-6=-317/0, 6-7=0/761, 13-14=-517/0,

14-15=-517/0

BOT CHORD 27-28=0/888, 26-27=0/1005, 25-26=-761/0, 22-25=-394/93, 19-20=0/517, 18-19=0/517,

17-18=0/531

 $6-25 = -898/0, \ 2-28 = -1001/0, \ 2-27 = 0/375, \ 4-27 = 0/251, \ 4-26 = -802/0, \ 6-26 = 0/1229, \ 6-26 = 0/1229, \ 6-26$

10-22=-258/0, 7-22=-162/340, 7-25=-601/0, 13-20=-493/0, 15-17=-596/0, 11-21=-579/0

NOTES-

WEBS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x6 MT20 unless otherwise indicated.
- 3) Bearing at joint(s) 28, 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 409 lb down at 20-3-12 on top 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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 17-28=-10, 1-16=-100

Concentrated Loads (lb)

Vert: 11=-329(F)



Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025



🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job Truss Truss Type Qty Ply 2405-A-Tray T36803560 6250757 FL5 Floor Girder Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:36 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-bjpZjXq1A6oXfdq?U8XCWYR39P4ltrG13ro41TzX1FL 1-6-2 3x6 IL 3x6 II 6 2 3 Scale = 1:11.1 -8-0 3x6 = 5 3x6 =1-2-14 3-6-3 1-2-14 2-3-5

LOADING (psf) SPACING-2-0-0 CSI. **TCLL** 40.0 Plate Grip DOL 1.00 TC 0.19 TCDL Lumber DOL 1.00 вс 0.19 WB 0.06 **BCLL** 0.0 Rep Stress Incr NO Code FBC2023/TPI2014 BCDL 5.0 Matrix-P

DEFL in (loc) I/defI L/d Vert(LL) 0.00 5 360 Vert(CT) -0.02 >999 240 Horz(CT) 0.00 n/a n/a **PLATES** GRIP MT20 244/190

Weight: 29 lb FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.2(flat) 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat) WFBS

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-6-3 oc purlins,

except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=Mechanical, 4=0-4-0

Max Grav 5=429(LC 1), 4=333(LC 1)

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

BOT CHORD 4-5=0/309

WEBS 2-4=-417/0, 2-5=-417/0

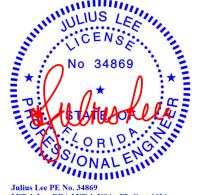
NOTES-

- 1) Refer to girder(s) for truss to truss connections.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 403 lb down at 1-4-7 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 4) 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

Vert: 6=-403(B)

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00 Uniform Loads (plf) Vert: 4-5=-10, 1-3=-100 Concentrated Loads (lb)



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March 27,2025



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Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:36 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-bjpZjXq1A6oXfdq?U8XCWYR44P3mtqs13ro41TzX1FL

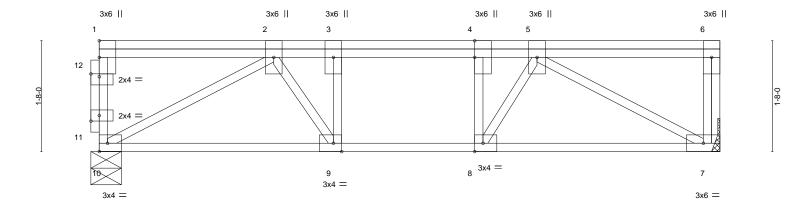
Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.



Scale = 1:17.3



| | 3-7-12 | | , | J-1-0 I-U | -0 1-0-0 | 0-1- | -0 | | | 3-0-12 | |
|---------------------|--------------------------------|----------------|--------------|----------------|----------------|-------|-------|--------|-----|---------------|-----------------|
| Plate Offsets (X,Y) | [4:0-3-0,0-0-0], [8:0-1-8,Edge |], [9:0-1-8,Ec | dge], [11:0- | 1-8,0-1-0], [1 | 2:0-1-8,0-0-8] | | | | | | |
| LOADING (psf) | SPACING- 2 | -0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL | 1.00 | TC | 0.14 | Vert(LL) | -0.02 | 9-10 | >999 | 360 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL | 1.00 | BC | 0.25 | Vert(CT) | -0.03 | 9-10 | >999 | 240 | | |
| BCLL 0.0 | Rep Stress Incr | /ES | WB | 0.15 | Horz(CT) | 0.01 | 7 | n/a | n/a | | |
| BCDI 5.0 | Code FBC2023/TPI20 | 14 | Matrix | c-S | | | | | | Weight: 66 lb | FT = 20%F, 11%E |

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat)

WEBS 2x4 SP No.2(flat)

REACTIONS. (size) 7=Mechanical, 10=0-5-8

Max Grav 7=503(LC 1), 10=503(LC 1)

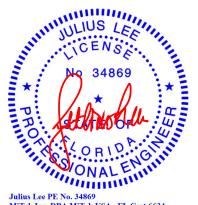
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-753/0, 3-4=-753/0, 4-5=-753/0 9-10=0/654, 8-9=0/753, 7-8=0/666 **BOT CHORD**

WEBS 4-8=-251/0, 2-10=-755/0, 2-9=0/332, 5-7=-765/0, 5-8=0/335

3-7-12

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.



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March 27,2025



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| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|-----------------------|-----|-----|--------------------------|
| | =: - | | | | T36803562 |
| 6250757 | FL7 | Floor Supported Gable | 1 | 1 | |
| | | | | | Lob Reference (optional) |

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:36 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-bjpZjXq1A6oXfdq?U8XCWYR5kP6btsx13ro41TzX1FL

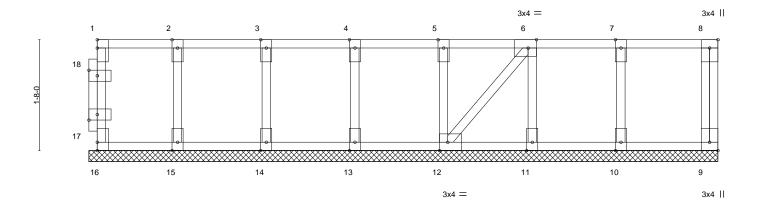
Structural wood sheathing directly applied or 9-5-8 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

0_1_8

Scale = 1:17.3



| | 3-9 3-9 | | | 4-9 1-0 | | | | | | 9-5-8 3-8-4 | —— |
|---|---|--|----------------------------------|-----------------------------|---|--------------------------|-----------------------|-----------------------------|--------------------------|----------------|--------------------------------------|
| Plate Offsets (X,Y) | [6:0-1-8,Edge], [9:Edge,0 | | 3,Edge], [17:0 | | | | | | | | |
| LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0 | SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2023/T | 2-0-0 1.00 1.00 YES PI2014 | CSI. TC BC WB Matrix | 0.09 0.01 0.02 c-S | DEFL. Vert(LL) Vert(CT) Horz(CT) | in n/a n/a 0.00 | (loc) - - 12 | I/defI n/a n/a n/a | L/d 999 999 n/a | - | GRIP 244/190 FT = 20%F, 11%E |

BRACING-TOP CHORD

BOT CHORD

TOP CHORD 2x4 SP No 2(flat)

BOT CHORD 2x4 SP No.2(flat)

2x4 SP No.2(flat) WFBS **OTHERS** 2x4 SP No.2(flat)

> All bearings 9-5-8. (lb) - Max Grav All reactions 250 lb or less at joint(s) 16, 9, 15, 14, 13, 12, 11, 10

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

NOTES-

LUMBER-

REACTIONS.

- 1) All plates are 2x4 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.



MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025





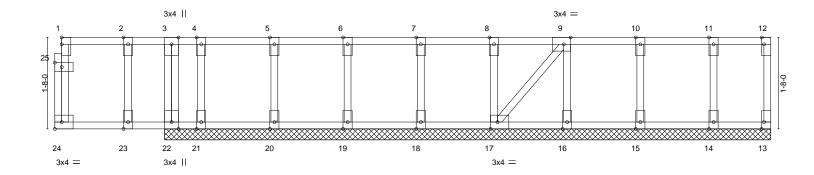
| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|--------------|-----|-----|--------------------------|
| 6250757 | ELO | Floor Girder | 1 | 1 | T36803563 |
| 0230737 | FLO | Floor Girder | ' | ' | Job Reference (optional) |

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:37 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-3vNxxtqfxQwOHmOC1s2R2m_8wpJZcJdBIVYdawzX1FK



Scale = 1:21.0



| 200 010 | | | | | | | 10 11 0 | | | | | |
|-----------|---|-----------------|--------|-------|------|----------|---------|-------|--------|-----|---------------|-----------------|
| Plate Off | Plate Offsets (X,Y) [9:0-1-8,Edge], [12:0-1-8,Edge], [13:0-1-8,Edge], [17:0-1-8,Edge], [25:0-1-8,0-1-0] | | | | | | | | | | | |
| LOADING | G (psf) | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.58 | Vert(LL) | n/a | ` - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.60 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.06 | Horz(CT) | 0.00 | 13 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2023/T | PI2014 | Matri | x-S | | | | | | Weight: 71 lb | FT = 20%F, 11%E |

BOT CHORD 2x4 SP No.2(flat)

2x4 SP No 2(flat)

2-0-0

2x4 SP No.2(flat)

WFBS **OTHERS** 2x4 SP No.2(flat) **BRACING-**

13-0-8 10-11-0

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. All bearings 11-0-8.

Max Uplift All uplift 100 lb or less at joint(s) except 21=-437(LC 3)

Max Grav All reactions 250 lb or less at joint(s) 13, 20, 19, 18, 17, 16, 15, 14 except 22=663(LC 1)

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

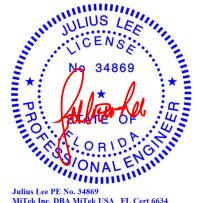
WEBS 3-22=-326/0

NOTES-

LUMBER-

TOP CHORD

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 2x4 MT20 unless otherwise indicated.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 437 lb uplift at joint 21.
- 6) n/a
- 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 8) CAUTION, Do not erect truss backwards.



MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|------------|-----|-----|--------------------------|
| | | | | | T36803564 |
| 6250757 | FL9 | Floor | 3 | 1 | |
| | | | | | Job Reference (optional) |

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:37 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-3vNxxtqfxQwOHmOC1s2R2m_DupK_cDwBIVYdawzX1FK

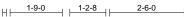
Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

except end verticals.

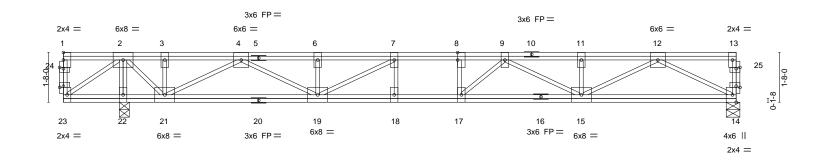
6-0-0 oc bracing: 22-23,21-22.

0-1-8





0-1-8 Scale = 1:38.6



| | | | 13-5-8 | | | | | | | | |
|-----------|---------------------|--------|--------|--------|--------|--|--|--|--|--|--|
| 2-0-0 | 2-11-8 | 11-4-0 | 12-4-0 | 13-4-0 | 22-9-8 | | | | | | |
| 2-0-0 | 0-կ ^լ -8 | 9-2-8 | 1-0-0 | 1-0-0 | 9-4-0 | | | | | | |
| | | | | 0-1 | -8 | | | | | | |

| Plate Offsets (X,Y | late Offsets (X,Y) [8:0-3-0,0-0-0], [14:0-1-8,0-0-8], [23:0-1-8,0-0-8], [25:0-1-8,0-0-8] | | | | | | | | | | |
|--------------------|--|----------|-------------------------------|--------------------------------|--|--|--|--|--|--|--|
| LOADING (psf) | SPACING- 2-0-0 | CSI. | DEFL. in (loc) I/defl L/d | PLATES GRIP | | | | | | | |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.26 | Vert(LL) -0.19 17-18 >999 360 | MT20 244/190 | | | | | | | |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.58 | Vert(CT) -0.25 17-18 >972 240 | | | | | | | | |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.42 | Horz(CT) 0.05 14 n/a n/a | | | | | | | | |
| BCDL 5.0 | Code FBC2023/TPI2014 | Matrix-S | | Weight: 186 lb FT = 20%F, 11%E | | | | | | | |

BRACING-TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat)

2x4 SP No.2(flat) WFBS

(size) 14=0-5-8, 22=0-4-0

Max Grav 14=1121(LC 4), 22=1354(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-1037/0, 3-4=-1037/0, 4-6=-3546/0, 6-7=-3546/0, 7-8=-4030/0, 8-9=-4030/0, TOP CHORD

9-11=-3112/0, 11-12=-3112/0

19-21=0/2526, 18-19=0/4030, 17-18=0/4030, 15-17=0/3830, 14-15=0/1851 BOT CHORD

WEBS 8-17=-302/29, 2-22=-1314/0, 7-19=-887/0, 6-19=-313/18, 4-19=0/1177, 4-21=-1721/0,

2-21=0/1493, 12-14=-2091/0, 12-15=0/1440, 11-15=-255/0, 9-15=-820/0, 9-17=-143/619

NOTES-

REACTIONS.

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x6 MT20 unless otherwise indicated.
- 3) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.



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| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|------------|-----|-----|--------------------------|
| 6250757 | FL10 | Floor | 5 | 1 | T36803565 |
| 0200.01 | . 2.0 | . 1001 | ľ | | Job Reference (optional) |

Ocala, FL - 34472,

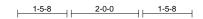
8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:32 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-jyZ2t9nW6ul5A?WEFJSGLiHEpocRxyzS8DqsuizX1FP

Structural wood sheathing directly applied or 2-2-0 oc purlins,

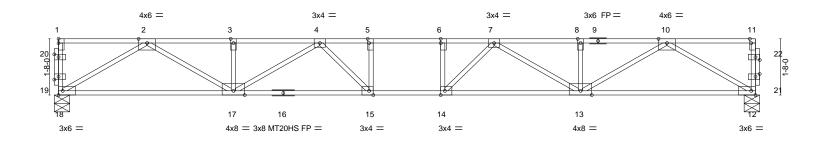
Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.





0-1-8 Scale = 1:34.2



| | | 10-5-8 11-7-0 | | |
|-------|--|--|---|---|
| | 9-4-0 | 9-5 ₁ 8 11-5-8 1 | 20-11-0 | 1 |
| | 9-4-0 | 0-1-8 1-0-0 1-0-0 0-1-8 | 9-4-0 | 1 |
| Plate | Offsets (X,Y) [5:0-1-8,Edge], [6:0-1-8,0-0-0], [11:0-1-8,Edge], [1 | 14:0-1-8,Edge], [15:0-1-8,Edge], [19:0-1-8 | 8,0-1-0], [20:0-1-8,0-1-0], [21:0-1-8,0-1-0], [22:0-1-8,0-1-0 | 1 |

| - 1010 011 | 0010 (71, 17 | [0:0 : 0;=ago]; [0:0 : 0;0 0 0]; [::::0 : | 0;24g0]; [:::0::0;24g0]; | 10:0 1 0;Eugoj, [10:0 1 0;0 1 0j, [20:0 1 0;0 1 0j, [21:0 | : 0,0 : 0], [==:0 : 0,0 : 0] |
|------------|--------------|---|--------------------------|---|--------------------------------|
| LOADIN | G (psf) | SPACING- 2-0-0 | CSI. | DEFL. in (loc) I/defl L/d | PLATES GRIP |
| TCLL | 40.0 | Plate Grip DOL 1.00 | TC 0.86 | Vert(LL) -0.30 15-17 >831 360 | MT20 244/190 |
| TCDL | 10.0 | Lumber DOL 1.00 | BC 0.54 | Vert(CT) -0.39 15-17 >628 240 | MT20HS 187/143 |
| BCLL | 0.0 | Rep Stress Incr YES | WB 0.40 | Horz(CT) 0.07 12 n/a n/a | |
| BCDL | 5.0 | Code FBC2023/TPI2014 | Matrix-S | | Weight: 109 lb FT = 20%F, 11%E |

BRACING-

TOP CHORD

BOT CHORD

LUMBER-TOP CHORD

2x4 SP No.2(flat)

BOT CHORD 2x4 SP M 31 or 2x4 SP SS(flat)

WFBS 2x4 SP No.2(flat)

REACTIONS. (size) 12=0-5-8, 18=0-5-8

Max Grav 12=1130(LC 1), 18=1130(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2862/0, 3-4=-2862/0, 4-5=-3736/0, 5-6=-3736/0, 6-7=-3736/0, 7-8=-2862/0,

8-10=-2862/0

BOT CHORD 17-18=0/1671, 15-17=0/3539, 14-15=0/3736, 13-14=0/3539, 12-13=0/1671 **WEBS** 5-15=-316/7, 6-14=-316/7, 2-18=-1950/0, 2-17=0/1390, 3-17=-254/0, 4-17=-790/0,

4-15=-97/604, 10-12=-1950/0, 10-13=0/1390, 8-13=-254/0, 7-13=-790/0, 7-14=-97/604

NOTES-

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 2x4 MT20 unless otherwise indicated.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| J | ob | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---|--------|-------|------------|----------|-----|--------------------------|
| | 250757 | Г1 44 | Floor | 7 | | T36803566 |
| 0 | 250757 | FLII | Floor | ' | ' | Job Reference (optional) |

Ocala, FL - 34472,

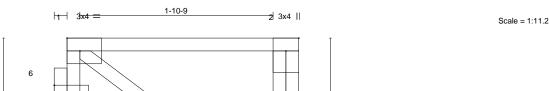
0-1-8

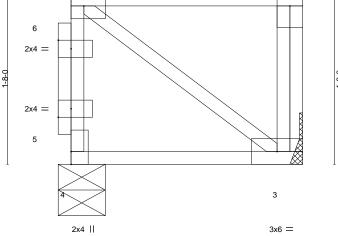
8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:32 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBIpQyRZGv-jyZ2t9nW6ul5A?WEFJSGLiHMzokFx2GS8DqsuizX1FP

Structural wood sheathing directly applied or 2-4-9 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.





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

| LOADING | G (psf) | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---------|---------|-------------------|-------|-------|------|----------|-------|-------|--------|-----|---------------|-----------------|
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.34 | Vert(LL) | 0.00 | 4 | **** | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.04 | Vert(CT) | -0.00 | 3-4 | >999 | 240 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2023/TPI2 | 2014 | Matri | x-P | | | | | | Weight: 18 lb | FT = 20%F, 11%E |

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

2x4 SP No.2(flat) TOP CHORD 2x4 SP No.2(flat)

BOT CHORD 2x4 SP No.2(flat) **WEBS**

REACTIONS. (size) 4=0-5-8, 3=Mechanical Max Grav 4=114(LC 1), 3=114(LC 1)

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

1) Refer to girder(s) for truss to truss connections.

2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

3) CAUTION, Do not erect truss backwards.



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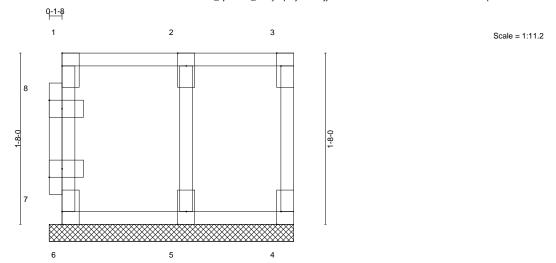
| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|-----------------------|-----|-----|--------------------------|
| 0050757 | FLAAV | | | | T36803567 |
| 6250757 | FL11X | Floor Supported Gable | 1 | 1 | Job Reference (optional) |

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:32 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-jyZ2t9nW6ul5A?WEFJSGLiHRlokcx20S8DqsuizX1FP

Structural wood sheathing directly applied or 2-4-9 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.



except end verticals.

2-4-9

| Plate Offsets (X,Y) | [3:0-1-8,Edge], [4:0-1-8, | Edge], [7:0-1-8,0 |)-1-0], [8:0-1-8,0-1-0] | | | | | | |
|---------------------|---------------------------|-------------------|-------------------------|-------|----|-------|--------|-----|--|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in | (loc) | l/defl | L/d | |

PLATES GRIP TCLL 40.0 Plate Grip DOL 1.00 0.06 Vert(LL) n/a n/a 999 MT20 244/190 **TCDL** вс 0.01 Vert(CT) 10.0 Lumber DOL 1.00 n/a n/a 999 BCLL WB 0.02 0.0 Rep Stress Incr YES Horz(CT) 0.00 n/a n/a BCDL 5.0 Code FBC2023/TPI2014 Matrix-R Weight: 15 lb FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2(flat) 2x4 SP No.2(flat)

BOT CHORD 2x4 SP No.2(flat) WFBS

OTHERS 2x4 SP No.2(flat)

REACTIONS.

(size) 6=2-4-9, 4=2-4-9, 5=2-4-9

Max Grav 6=58(LC 1), 4=48(LC 1), 5=129(LC 1)

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

NOTES-

- 1) All plates are 2x4 MT20 unless otherwise indicated.
- 2) Gable requires continuous bottom chord bearing.
- 3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 4) Gable studs spaced at 1-4-0 oc.
- 5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 6) CAUTION, Do not erect truss backwards.



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| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|------------|-----|-----|--------------------------|
| | FI 40 | | | | T36803568 |
| 6250757 | FL12 | Floor | 7 | 1 | |
| | | | | | Job Reference (optional) |

Ocala, FL - 34472,

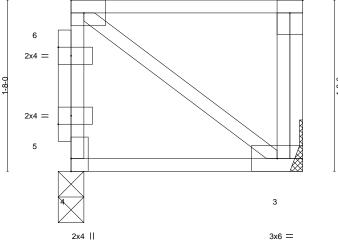
8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:32 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBIpQyRZGv-jyZ2t9nW6ul5A?WEFJSGLiHMzokFx2GS8DqsuizX1FP

Structural wood sheathing directly applied or 2-4-9 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

0-1-8 1-10-9 1 3x4 = 2 3x4 || Scale = 1:11.2

except end verticals.



2-4-9

| Plate Off | Plate Offsets (X,Y) [5:0-1-8,0-1-0], [6:0-1-8,0-1-0] | | | | | | | | | | | |
|-----------|--|-----------------|--------|-------|------|----------|-------|-------|--------|-----|---------------|-----------------|
| LOADIN | G (psf) | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
| TCLL | 40.0 | Plate Grip DOL | 1.00 | TC | 0.34 | Vert(LL) | 0.00 | 4 | **** | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.04 | Vert(CT) | -0.00 | 3-4 | >999 | 240 | | |
| BCLL | 0.0 | Rep Stress Incr | YES | WB | 0.00 | Horz(CT) | 0.00 | 3 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2023/T | PI2014 | Matri | x-P | | | | | | Weight: 18 lb | FT = 20%F, 11%E |

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2(flat) BOT CHORD 2x4 SP No.2(flat)

WEBS 2x4 SP No.2(flat)

REACTIONS. (size) 4=0-3-0, 3=Mechanical

Max Grav 4=114(LC 1), 3=114(LC 1)

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

1) Refer to girder(s) for truss to truss connections.

2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

3) CAUTION, Do not erect truss backwards.



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Job Truss Truss Type Qty Ply 2405-A-Tray T36803569 6250757 FL12X Floor Supported Gable Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:33 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-B87Q5Vn8tBQyo95Ro0zVuwpc8C4sgVHbNtaQR8zX1FO

Structural wood sheathing directly applied or 2-4-9 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

0-1-8 1 2x4 || 2 2x4 || 3 3x4 ||

2x4 = 7 5 6 2x4 || 2x4 || 3x4 ||

| | | 2-4-9 |
|---------------------|--|-------|
| Plate Offsets (X.Y) | [4:Edge.0-1-8], [7:0-1-8.0-1-0], [8:0-1-8.0-1-0] | 1 |

| LOADIN | VI / | SPACING- 2-0-0 | CSI. | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|--------|------|----------------------|----------|----------|------|-------|--------|-----|---------------|-----------------|
| TCLL | 40.0 | Plate Grip DOL 1.00 | TC 0.05 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL 1.00 | BC 0.01 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 | Rep Stress Incr YES | WB 0.02 | Horz(CT) | 0.00 | 4 | n/a | n/a | | |
| BCDL | 5.0 | Code FBC2023/TPI2014 | Matrix-R | | | | | | Weight: 17 lb | FT = 20%F, 11%E |

BRACING-TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No 2(flat) 2x4 SP No.2(flat)

BOT CHORD 2x4 SP No.2(flat) WFBS

OTHERS 2x4 SP No.2(flat)

REACTIONS. (size) 6=2-4-9, 4=2-4-9, 5=2-4-9

Max Grav 6=60(LC 1), 4=47(LC 1), 5=120(LC 1)

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

NOTES-

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.



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March 27,2025

Scale = 1:11.2





Job Truss Truss Type Qty Ply 2405-A-Tray T36803570 FTG1 FLAT GIRDER 6250757 3 Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:39 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBIpQyRZGv-0IVhLZsvT1A6W4Ya9H4v7B3UEc0l44eUlp1keozX1FI 13-10-12 17-4-0

3-5-4

3-5-4

Structural wood sheathing directly applied or 5-3-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

10-5-8

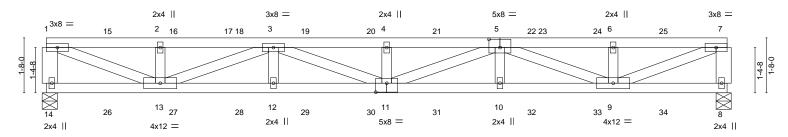
3-5-4

Scale = 1:35.0

20-11-0

3-7-0

THIS TRUSS IS DESIGNED TO BE USED FOR ROOF APPLICATION ONLY.



| | 3-7-0 | 7 | -0-4 | 1 1 | 0-5-8 | 13-10 | 0-12 | | | 17-4-0 | 20-11-0 |) |
|---------|--------------|-----------------------------|---------|-------|-------|----------|-------|-------|--------|--------|----------------|----------|
| | 3-7-0 | 3 | -5-4 | 1 | 3-5-4 | 3-5 | 5-4 | ' | | 3-5-4 | 3-7-0 | l l |
| Plate O | ffsets (X,Y) | [5:0-4-0,0-3-0], [11:0-4-0, | ,0-3-4] | | | | | | | | | |
| | | | • | | | | | | | | | |
| LOADI | NG (psf) | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | I/defI | L/d | PLATES | GRIP |
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.59 | Vert(LL) | -0.19 | 11 | >999 | 360 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.49 | Vert(CT) | -0.52 | 11 | >471 | 240 | | |
| BCLL | 0.0 * | Rep Stress Incr | NO | WB | 0.60 | Horz(CT) | 0.07 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2023/T | PI2014 | Matri | x-MS | Wind(LL) | 0.21 | 11 | >999 | 240 | Weight: 311 lb | FT = 20% |
| | | | | | | | | | | | | |

BRACING-

TOP CHORD

BOT CHORD

LUMBER-TOP CHORD 2x4 SP No 2

2x4 SP M 31 or 2x4 SP SS **BOT CHORD**

2x4 SP No.2 *Except* WFBS

1-14,7-8: 2x6 SP No.2

REACTIONS. (size) 14=0-5-8, 8=0-5-8

Max Grav 14=3788(LC 1), 8=3789(LC 1)

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

TOP CHORD 1-14=-3653/0, 1-2=-7681/0, 2-3=-7681/0, 3-4=-13881/0, 4-5=-13881/0, 5-6=-7684/0,

6-7=-7684/0 7-8=-3654/0

13-14=0/314, 12-13=0/12461, 11-12=0/12461, 10-11=0/12467, 9-10=0/12467, 8-9=0/315 BOT CHORD WFBS $1-13=0/7961,\ 2-13=-1149/0,\ 3-13=-5149/0,\ 3-11=0/1529,\ 4-11=-1128/0,\ 5-11=0/1523,$

5-9=-5152/0, 6-9=-1149/0, 7-9=0/7965

NOTES-

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 5-10 2x4 - 1 row at 0-6-0 oc.

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 6) Provide adequate drainage to prevent water ponding.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 43 lb down at 0-2-12, 68 lb down and 37 lb up at 2-0-4, 68 lb down and 37 lb up at 4-0-4, 68 lb down and 37 lb up at 6-0-4, 68 lb down and 37 lb up at 8-0-4, 68 lb down and 37 lb up at 10-0-4, 68 lb down and 37 lb up at 12-0-4, 68 lb down and 37 lb up at 14-0-4, 68 lb down and 37 lb up at 14-10-12, 68 lb down and 37 lb up at 16-10-12, and 68 lb down and 37 lb up at 18-10-12, and 43 lb down at 20-8-4 on top chord, and 16 lb down at 2-0-4, 16 lb down at 4-0-4, 16 lb down at 6-0-4, 16 lb down at 8-0-4, 16 lb down at 10-0-4, 16 lb down at 12-0-4, 16 lb down at 14-0-4, 16 lb down at 14-10-12, and 16 lb down at 16-10-12, and 16 lb down at 18-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025

Continued on page 2

LOAD CASE(S) verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job Truss Truss Type Qty Ply 2405-A-Tray T36803570 6250757 FTG1 FLAT GIRDER 3 Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL),

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:39 2025 Page 2 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-0IVhLZsvT1A6W4Ya9H4v7B3UEc0I44eUlp1keozX1FI

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-7=-343, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-43(F) 7=-43(F) 5=-1(F) 10=-5(F) 15=-1(F) 16=-1(F) 18=-1(F) 19=-1(F) 20=-1(F) 21=-1(F) 22=-1(F) 24=-1(F) 25=-1(F) 25=-1(F) 25=-5(F) 27=-5(F) 28=-5(F) 29=-5(F) 29=-5(F) 21=-1(F) 21=-1(F

30=-5(F) 31=-5(F) 32=-5(F) 33=-5(F) 34=-5(F) 2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-7=-310, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-41(F) 7=-41(F) 5=-1(F) 10=-4(F) 15=-1(F) 16=-1(F) 16=-1(F) 18=-1(F) 19=-1(F) 20=-1(F) 21=-1(F) 22=-1(F) 24=-1(F) 25=-1(F) 25=-1(F) 25=-1(F) 26=-4(F) 27=-4(F) 28=-4(F) 29=-4(F) 29=-4(F 30=-4(F) 31=-4(F) 32=-4(F) 33=-4(F) 34=-4(F)

3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-7=-257, 8-14=-40

Concentrated Loads (lb)

Vert: 5=-6(F) 10=-3(F) 15=-6(F) 16=-6(F) 18=-6(F) 19=-6(F) 20=-6(F) 21=-6(F) 22=-6(F) 24=-6(F) 25=-6(F) 25=-6(F) 26=-3(F) 27=-3(F) 28=-3(F) 29=-3(F) 30=-3(F) 31=-3(F) 31=-3(F 32=-3(F) 33=-3(F) 34=-3(F)

4) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-23=-6, 7-23=-24, 8-14=-12

Concentrated Loads (lb)

Vert: 5=0(F) 10=-1(F) 15=0(F) 16=0(F) 18=0(F) 19=0(F) 20=0(F) 21=0(F) 22=0(F) 24=7(F) 25=7(F) 26=-1(F) 27=-1(F) 28=-1(F) 29=-1(F) 30=-1(F) 31=-1(F) 32=-1(F) 33=-1(F) 34=-1(F)

5) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-17=-24, 7-17=-6, 8-14=-12

Concentrated Loads (lb)

Vert: 5=0(F) 10=-1(F) 15=7(F) 16=7(F) 18=0(F) 19=0(F) 20=0(F) 21=0(F) 22=0(F) 24=0(F) 25=0(F) 26=-1(F) 27=-1(F) 28=-1(F) 29=-1(F) 30=-1(F) 31=-1(F) 32=-1(F) 33=-1(F) 34=-1(F)

6) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-227, 8-14=-20

Concentrated Loads (lb)

Vert: 5=37(F) 15=37(F) 16=37(F) 18=37(F) 19=37(F) 20=37(F) 21=37(F) 22=37(F) 24=37(F) 25=37(F)

7) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-227, 8-14=-20

Concentrated Loads (lb)

Vert: 5=37(F) 15=37(F) 16=37(F) 18=37(F) 19=37(F) 20=37(F) 21=37(F) 22=37(F) 24=37(F) 25=37(F)

8) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-32, 8-14=-12

Concentrated Loads (lb)

Vert: 5=0(F) 10=-1(F) 15=0(F) 16=0(F) 18=0(F) 19=0(F) 20=0(F) 21=0(F) 22=0(F) 24=0(F) 25=0(F) 26=-1(F) 27=-1(F) 28=-1(F) 29=-1(F) 30=-1(F) 31=-1(F) 32=-1(F) 33=-1(F) 34=-1(F)

9) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-78, 8-14=-12

Concentrated Loads (lb)

Vert: 5=11(F) 10=-1(F) 15=11(F) 16=11(F) 18=11(F) 19=11(F) 20=11(F) 21=11(F) 22=11(F) 24=11(F) 25=11(F) 26=-1(F)

27=-1(F) 28=-1(F) 29=-1(F) 30=-1(F) 31=-1(F) 32=-1(F) 33=-1(F) 34=-1(F)

10) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-227, 8-14=-20

Concentrated Loads (lb)

Vert: 5=37(F) 15=37(F) 16=37(F) 18=37(F) 19=37(F) 20=37(F) 21=37(F) 22=37(F) 24=37(F) 25=37(F)

11) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-227, 8-14=-20

Concentrated Loads (lb)

Vert: 5=37(F) 15=37(F) 16=37(F) 18=37(F) 19=37(F) 20=37(F) 21=37(F) 22=37(F) 24=37(F) 25=37(F)

12) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90

Uniform Loads (plf)

Vert: 1-7=-211, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-34(F) 7=-34(F) 5=-1(F) 10=-2(F) 15=-1(F) 16=-1(F) 18=-1(F) 19=-1(F) 20=-1(F) 21=-1(F) 22=-1(F) 24=-1(F) 25=-1(F) 26=-2(F) 27=-2(F) 28=-2(F) 29=-2(F) 30=-2(F) 31=-2(F) 32=-2(F) 33=-2(F) 34=-2(F)

13) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-322, 8-14=-20

Concentrated Loads (lb)

Vert: 5=28(F) 15=28(F) 16=28(F) 18=28(F) 19=28(F) 20=28(F) 21=28(F) 22=28(F) 24=28(F) 25=28(F)

14) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-7=-322, 8-14=-20

Continued on page 3



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job Truss Truss Type Qty Ply 2405-A-Tray T36803570 6250757 FTG1 FLAT GIRDER Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL),

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:39 2025 Page 3 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-0IVhLZsvT1A6W4Ya9H4v7B3UEc0I44eUlp1keozX1FI

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 5=28(F) 15=28(F) 16=28(F) 18=28(F) 19=28(F) 20=28(F) 21=28(F) 22=28(F) 24=28(F) 25=28(F)

15) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-322, 8-14=-20

Concentrated Loads (lb)

Vert: 5=28(F) 15=28(F) 16=28(F) 18=28(F) 19=28(F) 20=28(F) 21=28(F) 22=28(F) 24=28(F) 25=28(F)

16) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-322, 8-14=-20

Concentrated Loads (lb)

Vert: 5=28(F) 15=28(F) 16=28(F) 18=28(F) 19=28(F) 20=28(F) 21=28(F) 22=28(F) 24=28(F) 25=28(F)

17) Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90

Uniform Loads (plf)

Vert: 1-7=-155, 8-14=-12

Concentrated Loads (lb)

Vert: 1=-38(F) 7=-38(F) 5=-13(F) 10=-10(F) 15=-13(F) 16=-13(F) 18=-13(F) 19=-13(F) 20=-13(F) 21=-13(F) 22=-13(F) 24=-13(F) 25=-13(F) 26=-10(F) 27=-10(F) 27= 28=-10(F) 29=-10(F) 30=-10(F) 31=-10(F) 32=-10(F) 33=-10(F) 34=-10(F)

18) Dead + 0.6 MWFRS Wind Min. Right: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90

Uniform Loads (plf)

Vert: 1-7=-155, 8-14=-12

Concentrated Loads (lb)

Vert: 1=-38(F) 7=-38(F) 5=-13(F) 10=-10(F) 15=-13(F) 16=-13(F) 18=-13(F) 19=-13(F) 20=-13(F) 21=-13(F) 22=-13(F) 24=-13(F) 25=-13(F) 26=-10(F) 27=-10(F) 27= 28=-10(F) 29=-10(F) 30=-10(F) 31=-10(F) 32=-10(F) 33=-10(F) 34=-10(F)

19) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-7=-343, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-43(F) 7=-43(F) 5=-1(F) 10=-5(F) 15=-1(F) 16=-1(F) 18=-1(F) 19=-1(F) 20=-1(F) 21=-1(F) 22=-1(F) 24=-1(F) 25=-1(F) 26=-5(F) 27=-5(F) 28=-5(F) 29=-5(F) 30=-5(F) 31=-5(F) 32=-5(F) 33=-5(F) 34=-5(F)

20) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-7=-343, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-43(F) 7=-43(F) 5=-1(F) 10=-5(F) 15=-1(F) 16=-1(F) 18=-1(F) 19=-1(F) 20=-1(F) 21=-1(F) 22=-1(F) 24=-1(F) 25=-1(F) 26=-5(F) 27=-5(F) 28=-5(F) 29=-5(F) 30=-5(F) 31=-5(F) 32=-5(F) 33=-5(F) 34=-5(F)

21) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-7=-310, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-41(F) 7=-41(F) 5=-1(F) 10=-4(F) 15=-1(F) 16=-1(F) 18=-1(F) 19=-1(F) 20=-1(F) 21=-1(F) 22=-1(F) 24=-1(F) 25=-1(F) 25=-1(F) 25=-1(F) 26=-4(F) 27=-4(F) 29=-4(F) 29=-4(F 30=-4(F) 31=-4(F) 32=-4(F) 33=-4(F) 34=-4(F)

22) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-7=-310, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-41(F) 7=-41(F) 5=-1(F) 10=-4(F) 15=-1(F) 16=-1(F) 18=-1(F) 19=-1(F) 20=-1(F) 21=-1(F) 22=-1(F) 24=-1(F)

25=-1(F) 26=-4(F) 27=-4(F) 28=-4(F) 29=-4(F) 30=-4(F) 31=-4(F) 32=-4(F) 33=-4(F) 34=-4(F)

23) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-23=-6, 7-23=-24, 8-14=-12

Concentrated Loads (lb)

Vert: 1=-12(F) 7=-12(F) 5=-68(F) 10=-16(F) 15=-68(F) 16=-68(F) 18=-68(F) 19=-68(F) 20=-68(F) 21=-68(F) 22=-62(F) 24=-50(F) 25=-50(F) 26=-16(F) 27=-16(F) 28=-16(F) 29=-16(F) 30=-16(F) 31=-16(F) 32=-16(F) 33=-16(F) 34=-16(F)

24) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-17=-24, 7-17=-6, 8-14=-12

Concentrated Loads (lb)

Vert: 1=-12(F) 7=-12(F) 5=-68(F) 10=-16(F) 15=-50(F) 16=-50(F) 18=-62(F) 19=-68(F) 20=-68(F) 21=-68(F) 22=-68(F) 24=-68(F) 25=-68(F) 26=-16(F) 27=-16(F) 28=-16(F) 29=-16(F) 30=-16(F) 31=-16(F) 32=-16(F) 33=-16(F) 34=-16(F)

25) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-227, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-4(F) 7=-3(F) 5=-10(F) 10=-8(F) 15=-10(F) 16=-10(F) 18=-10(F) 19=-10(F) 20=-10(F) 21=-10(F) 22=-10(F) 24=-10(F) 25=-10(F) 26=-8(F) 27=-8(F) 28=-8(F) 29=-8(F) 30=-8(F) 31=-8(F) 32=-8(F) 33=-8(F) 34=-8(F)

26) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-227, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-4(F) 7=-3(F) 5=-10(F) 10=-8(F) 15=-10(F) 16=-10(F) 18=-10(F) 19=-10(F) 20=-10(F) 21=-10(F) 22=-10(F) 24=-10(F) 25=-10(F) 26=-8(F) 27=-8(F) 28=-8(F) 29=-8(F) 30=-8(F) 31=-8(F) 32=-8(F) 33=-8(F) 34=-8(F)

27) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-32, 8-14=-12

Continued on page 4





| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|-------------|-----|----------|--------------------------|
| | | | | | T36803570 |
| 6250757 | FTG1 | FLAT GIRDER | 1 | 2 | |
| | | | | _ | Job Reference (optional) |

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:39 2025 Page 4 ID:P?10H_JjvCs9m_KS0yBIpQyRZGv-0IVhLZsvT1A6W4Ya9H4v7B3UEc0l44eUlp1keozX1FI

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 1=-12(F) 7=-12(F) 5=-60(F) 10=-16(F) 15=-60(F) 16=-60(F) 18=-60(F) 19=-60(F) 20=-60(F) 21=-60(F) 22=-60(F) 24=-60(F) 25=-60(F) 26=-16(F) 27=-16(F) 27=-12(F) 27= 28=-16(F) 29=-16(F) 30=-16(F) 31=-16(F) 32=-16(F) 33=-16(F) 34=-16(F)

28) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-78, 8-14=-12

Concentrated Loads (lb)

Vert: 1=-12(F) 7=-12(F) 5=-46(F) 10=-16(F) 15=-46(F) 16=-46(F) 18=-46(F) 19=-46(F) 20=-46(F) 21=-46(F) 22=-46(F) 24=-46(F) 25=-46(F) 26=-16(F) 27=-16(F) 27= 28=-16(F) 29=-16(F) 30=-16(F) 31=-16(F) 32=-16(F) 33=-16(F) 34=-16(F)

29) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-227, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-4(F) 7=-3(F) 5=-10(F) 10=-8(F) 15=-10(F) 16=-10(F) 18=-10(F) 19=-10(F) 20=-10(F) 21=-10(F) 22=-10(F) 24=-10(F) 25=-10(F) 26=-8(F) 27=-8(F) 28=-8(F) 29=-8(F) 30=-8(F) 31=-8(F) 32=-8(F) 33=-8(F) 34=-8(F)

30) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-227, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-4(F) 7=-3(F) 5=-10(F) 10=-8(F) 15=-10(F) 16=-10(F) 18=-10(F) 19=-10(F) 20=-10(F) 21=-10(F) 22=-10(F) 24=-10(F) 25=-10(F) 26=-8(F) 27=-8(F) 28=-8(F) 29=-8(F) 30=-8(F) 31=-8(F) 32=-8(F) 33=-8(F) 34=-8(F)

31) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-322, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-3(F) 7=-3(F) 5=-8(F) 10=-8(F) 15=-8(F) 15=-8(F) 18=-8(F) 19=-8(F) 29=-8(F) 21=-8(F) 22=-8(F) 24=-8(F) 25=-8(F) 25=-8(F) 25=-8(F) 27=-8(F) 28=-8(F) 29=-8(F) 29=-8(F) 29=-8(F) 21=-8(F) 25=-8(F) 30=-8(F) 31=-8(F) 32=-8(F) 33=-8(F) 34=-8(F)

32) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-322, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-3(F) 7=-3(F) 5=-8(F) 10=-8(F) 15=-8(F) 15=-8(F) 18=-8(F) 19=-8(F) 29=-8(F) 21=-8(F) 22=-8(F) 24=-8(F) 25=-8(F) 25=-8(F) 25=-8(F) 27=-8(F) 28=-8(F) 29=-8(F) 29=-8(F) 29=-8(F) 21=-8(F) 25=-8(F) 30=-8(F) 31=-8(F) 32=-8(F) 33=-8(F) 34=-8(F)

33) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-322, 8-14=-20

Concentrated Loads (lb)

Vert: 1=-3(F) 7=-3(F) 5=-8(F) 10=-8(F) 15=-8(F) 15=-8(F) 18=-8(F) 19=-8(F) 29=-8(F) 21=-8(F) 22=-8(F) 24=-8(F) 25=-8(F) 25=-8(F) 25=-8(F) 27=-8(F) 28=-8(F) 29=-8(F) 29=-8(F) 29=-8(F) 21=-8(F) 25=-8(F) 30=-8(F) 31=-8(F) 32=-8(F) 33=-8(F) 34=-8(F)

34) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-7=-322, 8-14=-20

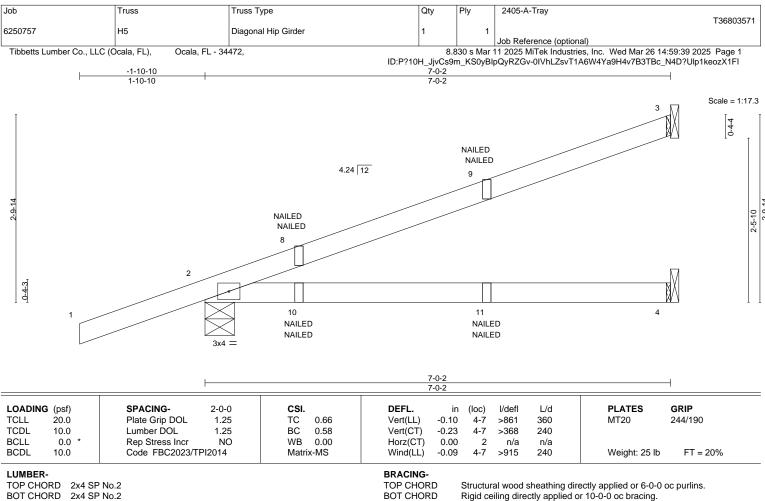
Concentrated Loads (lb)

Vert: 1=-3(F) 7=-3(F) 5=-8(F) 10=-8(F) 15=-8(F) 15=-8(F) 18=-8(F) 19=-8(F) 29=-8(F) 21=-8(F) 22=-8(F) 24=-8(F) 25=-8(F) 25=-8(F) 25=-8(F) 28=-8(F) 28=-8(F) 29=-8(F) 29=-8(F) 21=-8(F) 21=-8(F) 25=-8(F) 30=-8(F) 31=-8(F) 32=-8(F) 33=-8(F) 34=-8(F)





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BOT CHORD 2x4 SP No.2

(size) 3=Mechanical, 2=0-5-5, 4=Mechanical Max Horz 2=128(LC 8)

Max Uplift 3=-75(LC 8), 2=-72(LC 8)

Max Grav 3=166(LC 1), 2=345(LC 31), 4=128(LC 3)

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

REACTIONS.

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever 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) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 3 and 72 lb uplift at
- 7) "NAILED" indicates 3-10d skew 45 to 135 degrees (0.148" x 3") toe-nails per NDS guidelines.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

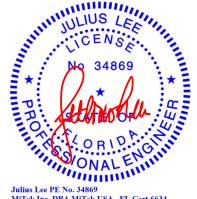
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-60, 4-5=-20

Concentrated Loads (lb)

Vert: 8=117(F=58, B=58) 11=-10(F=-5, B=-5)



Rigid ceiling directly applied or 10-0-0 oc bracing.

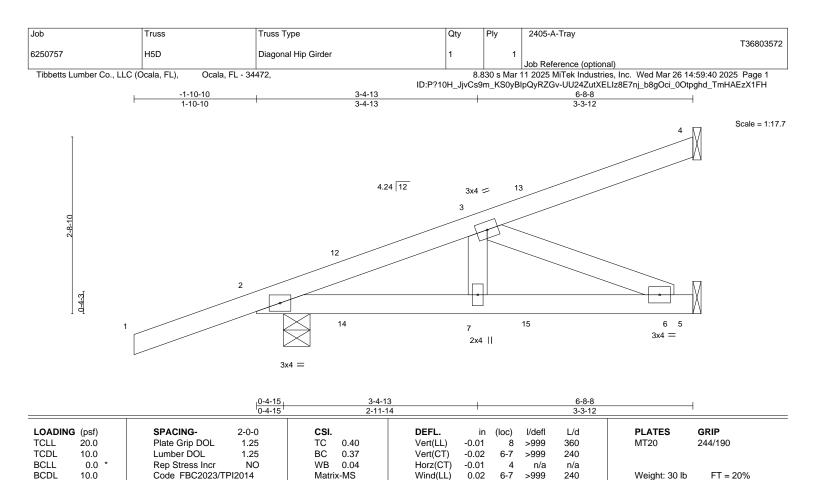
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March 27,2025



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LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SP No.2 WFBS

BRACING-

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 4=Mechanical, 2=0-4-15, 5=Mechanical

Max Horz 2=124(LC 8)

Max Uplift 4=-50(LC 8), 2=-330(LC 8), 5=-81(LC 5) Max Grav 4=101(LC 19), 2=386(LC 31), 5=111(LC 3)

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

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left exposed; porch left exposed; Lumber DOL=1.60 plate grip
- 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 50 lb uplift at joint 4, 330 lb uplift at joint 2 and 81 lb uplift at joint 5.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 85 lb down and 127 lb up at 1-4-15, 85 lb down and 127 lb up at 1-4-15, and 24 lb down and 39 lb up at 4-2-15, and 24 lb down and 39 lb up at 4-2-15 on top chord, and 78 lb down and 89 lb up at 1-4-15, 78 lb down and 89 lb up at 1-4-15, and 26 lb up at 4-2-15, and 26 lb up at 4-2-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-60, 5-8=-20

Concentrated Loads (lb)

Vert: 12=84(F=42, B=42) 14=91(F=46, B=46) 15=15(F=7, B=7)



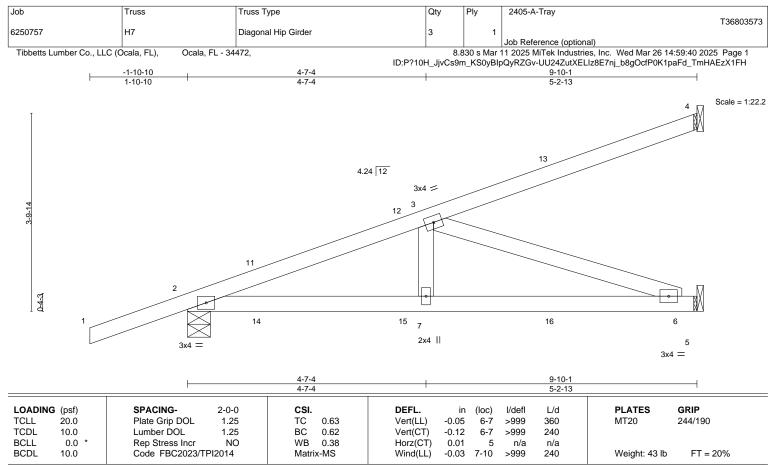
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LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SP No.2 WFBS

BRACING-

TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-5-5, 5=Mechanical

Max Horz 2=166(LC 8)

Max Uplift 4=-178(LC 8), 2=-89(LC 8), 5=-14(LC 8) Max Grav 4=304(LC 1), 2=482(LC 31), 5=317(LC 3)

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

TOP CHORD 2-3=-818/71 **BOT CHORD**

2-7=-133/746 6-7=-133/746 WEBS 3-7=0/289, 3-6=-788/140

NOTES-

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever 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) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 178 lb uplift at joint 4, 89 lb uplift at joint 2 and 14 lb uplift at joint 5.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 68 lb down and 59 lb up at 1-4-15, 68 lb down and 59 lb up at 1-4-15, 79 lb down and 47 lb up at 4-2-15, 79 lb down and 47 lb up at 4-2-15, 109 lb down and 91 lb up at 7-0-14, and 109 lb down and 91 lb up at 7-0-14, and 141 lb down and 117 lb up at 9-9-5 on top chord, and 29 lb down and 14 lb up at 1-4-15, 29 lb down and 14 lb up at 1-4-15, 15 lb down at 4-2-15, 15 lb down at 4-2-15, and 36 lb down at 7-0-14, and 36 lb down at 7-0-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-4=-60, 5-8=-20

Concentrated Loads (lb)

Vert: 4=-141(B) 11=117(F=58, B=58) 13=-81(F=-40, B=-40) 15=-10(F=-5, B=-5) 16=-66(F=-33, B=-33)



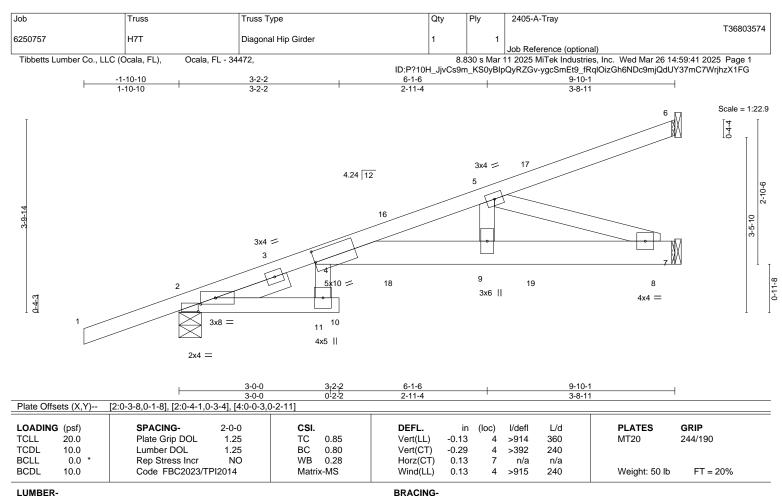
Julius Lee PE No. 34869 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

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TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP M 31 or 2x4 SP SS 2x4 SP No.2 *Except* BOT CHORD

4-7: 2x6 SP No.2 **WEBS** 2x4 SP No.2

SLIDER Left 2x4 SP No.2 1-6-0

REACTIONS. (size) 6=Mechanical, 2=0-5-5, 7=Mechanical

Max Horz 2=167(LC 8)

Max Uplift 6=-121(LC 8), 2=-104(LC 8), 7=-41(LC 8) Max Grav 6=225(LC 1), 2=501(LC 31), 7=380(LC 1)

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

TOP CHORD 4-13=-609/0. 4-5=-1140/141

BOT CHORD 4-11=-16/409, 4-9=-204/1071, 8-9=-204/1080

WEBS 5-9=0/410, 5-8=-1140/216

NOTES-

- 1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever 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) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 6, 104 lb uplift at joint 2 and 41 lb uplift at joint 7.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 70 lb down and 59 lb up at 1-4-15, 70 lb down and 59 lb up at 1-4-15, 77 lb down and 33 lb up at 4-2-15, 77 lb down and 33 lb up at 4-2-15, 106 lb down and 77 lb up at 7-0-14, and 106 lb down and 77 lb up at 7-0-14, and 129 lb down and 101 lb up at 9-9-5 on top chord, and 29 lb down and 14 lb up at 1-4-15, 29 lb down and 14 lb up at 1-4-15, 19 lb down and 17 lb up at 4-2-15, 19 lb down and 17 lb up at 4-2-15, and 47 lb down at 7-0-14, and 47 lb down at 7-0-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-4=-60, 4-6=-60, 11-12=-20, 10-11=-20, 4-7=-20



Structural wood sheathing directly applied or 5-11-7 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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Continued on page 2

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



| Job | Truss | Truss Type | Qty | Ply | 2405-A-Tray |
|---------|-------|---------------------|-----|-----|--------------------------|
| | | | | | T36803574 |
| 6250757 | H7T | Diagonal Hip Girder | 1 | 1 | |
| | | | | | Job Reference (optional) |

Ocala, FL - 34472,

8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:41 2025 Page 2 $ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-ygcSmEt9_fRqlOizGh6NDc9mjQdUY37mC7WrjhzX1FG$

LOAD CASE(S) Standard

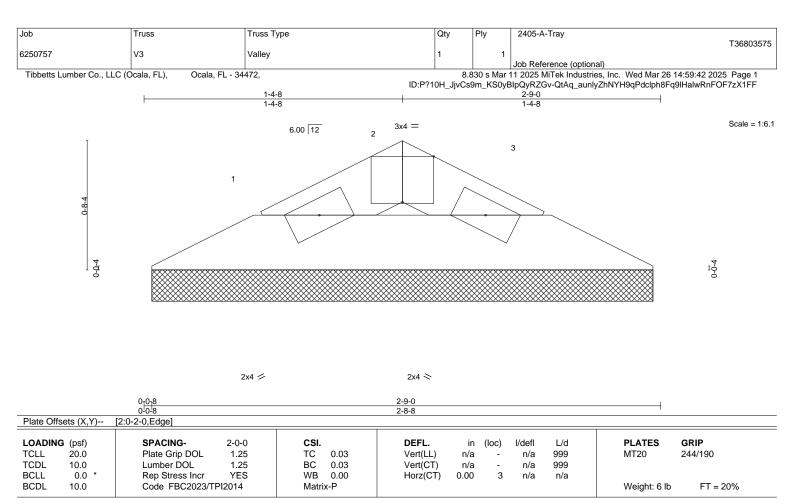
Concentrated Loads (lb)

Vert: 6=-129(F) 13=117(F=58, B=58) 17=-58(F=-29, B=-29) 18=-38(F=-19, B=-19) 19=-95(F=-47, B=-47)









LUMBER-TOP CHORD BOT CHORD

REACTIONS.

2x4 SP No.2

2x4 SP No.2

Max Horz 1=-8(LC 10) Max Uplift 1=-13(LC 12), 3=-13(LC 12) Max Grav 1=60(LC 1), 3=60(LC 1)

(size) 1=2-8-0, 3=2-8-0

BRACING-

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 2-9-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and 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) 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 100 lb uplift at joint(s) 1, 3.



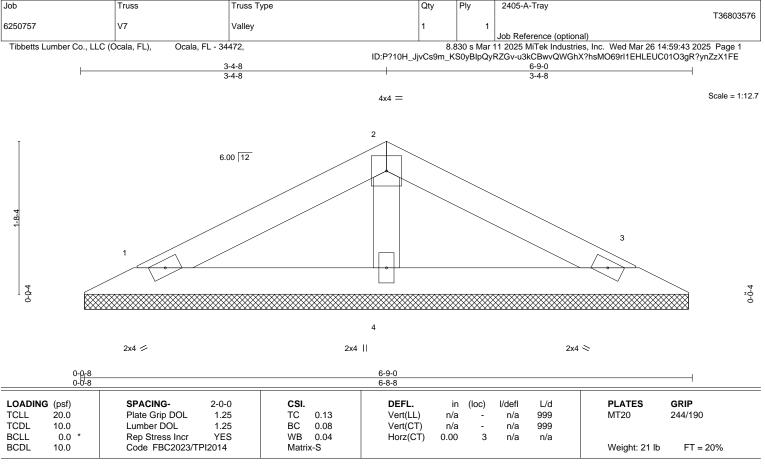
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March 27,2025



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LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SP No.2 **OTHERS**

BRACING-

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=6-8-0, 3=6-8-0, 4=6-8-0

Max Horz 1=-27(LC 10)

Max Uplift 1=-28(LC 12), 3=-28(LC 12), 4=-37(LC 12) Max Grav 1=101(LC 23), 3=101(LC 24), 4=240(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 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and 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) 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 100 lb uplift at joint(s) 1, 3, 4.



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Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:41 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-ygcSmEt9_fRqlOizGh6NDc9vMQmQY7umC7WrjhzX1FG 10-9-0 Scale = 1:18.9 4x4 = 2 6.00 12 8 2x4 / 2x4 > 2x4 || 0-0-8 10-9-0 10-8-8 LOADING (psf) SPACING-2-0-0 CSI. DEFL in (loc) I/defI L/d **PLATES** GRIP **TCLL** 20.0 Plate Grip DOL 1.25 TC 0.29 Vert(LL) n/a n/a 999 MT20 244/190 TCDL Lumber DOL 1.25 вс 0.22 Vert(CT) n/a n/a 999 WB 0.04 **BCLL** 0.0 Rep Stress Incr YES Horz(CT) 0.00 n/a n/a BCDL 10.0 Code FBC2023/TPI2014 Matrix-S Weight: 35 lb FT = 20% LUMBER-BRACING-

TOP CHORD

BOT CHORD

Qty

Ply

2405-A-Tray

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SP No.2 **OTHERS**

REACTIONS. (size) 1=10-8-0, 3=10-8-0, 4=10-8-0

Max Horz 1=-47(LC 10) Max Uplift 1=-49(LC 12), 3=-49(LC 12), 4=-63(LC 12) Max Grav 1=174(LC 23), 3=174(LC 24), 4=415(LC 1)

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

WEBS 2-4=-276/225

NOTES-

Job

6250757

Truss

V11

Truss Type

Valley

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-7-9 to 3-7-9, Zone1 3-7-9 to 5-4-8, Zone2 5-4-8 to 9-7-7, Zone1 9-7-7 to 10-1-7 zone; cantilever left and 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) 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 49 lb uplift at joint 1, 49 lb uplift at joint 3 and 63 lb uplift at joint 4.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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T36803577



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



Job Reference (optional) Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.830 s Mar 11 2025 MiTek Industries, Inc. Wed Mar 26 14:59:42 2025 Page 1 ID:P?10H_JjvCs9m_KS0yBlpQyRZGv-QtAq_aunlyZhNYH9qPdclph7Wq9HHalwRnFOF7zX1FF 7-4-8 14-9-0 Scale = 1:24.6 TRUSS DESIGNED FOR WIND LOADS IN THE PLANE 4x4 = OF THE TRUSS ONLY. FOR STUDS EXPOSED TO WIND (NORMAL TO THE FACE), SEE STANDARD INDUSTRY GABLE END DETAILS AS APPLICABLE, OR CONSULT QUALIFIED BUILDING DESIGNER AS PER ANSI/TPI 1 6.00 12 5 12 11 10 9 8 3x4 / 3x4 > 14-9-0 14-9-0 LOADING (psf) SPACING-2-0-0 CSI. **DEFL** in (loc) I/defI L/d **PLATES** GRIP **TCLL** 20.0 Plate Grip DOL 1.25 TC 0.07 Vert(LL) n/a n/a 999 MT20 244/190 TCDL Lumber DOL 1.25 вс 0.06 Vert(CT) n/a n/a 999 WB **BCLL** 0.0 Rep Stress Incr YES 0.03 Horz(CT) 0.00 n/a n/a BCDL 10.0 Code FBC2023/TPI2014 Matrix-S Weight: 59 lb FT = 20%

Qty

Ply

2405-A-Tray

LUMBER-

Job

6250757

Truss

V15

Truss Type

GABLE

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 2x4 SP No.2 **OTHERS**

BRACING-

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 14-9-0.

Max Horz 1=-67(LC 10) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 11, 12, 9, 8 Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10, 11, 12, 9, 8

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 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 0-7-9 to 3-4-8, Zone1 3-4-8 to 7-4-8, Zone2 7-4-8 to 11-4-8, Zone1 11-4-8 to 14-1-7 zone; cantilever left and 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) All plates are 2x4 MT20 unless otherwise indicated.
- 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) 1, 7, 11, 12, 9, 8.



MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

March 27,2025

T36803578

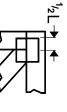




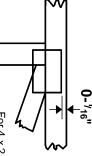


Symbols

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- $\frac{1}{16}$ " from outside edge of truss.

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

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

PLATE SIZE



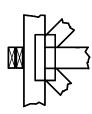
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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/letter where bearings occur. Min size shown is for crushing only.

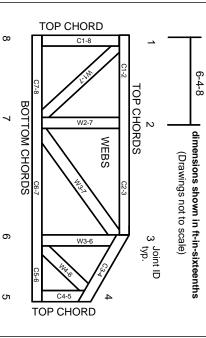
Industry Standards:

National Design Specification for Metal Plate Connected Wood Truss Construction Design Standard for Bracing.

Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

ANSI/TPI1: DSB-22:

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-1988, ESR-2362, ESR-2685, ESR-3282 ESR-4722, ESL-1388

Design General Notes

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.

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MiTek Engineering Reference Sheet: MII-7473 rev. 1/2/2023

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- 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.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.

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- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.
- 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.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

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- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- 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
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- The design does not take into account any dynamic or other loads other than those expressly stated.