

RE: 2502-2684-A - Campbell Ridge Lot 00.0015 OWF Repair

Site Information:

Project Customer: DRB Raleigh Project Name: Campbell Ridge Lot 00.0015

Lot/Block: Subdivision: Campbell Ridge

Model:

Address: 271 Alden Way

City: Angier State: NC

General Truss Engineering Criteria & Design Loads (Individual Truss Design

**Drawings Show Special Loading Conditions):** 

Design Code: IRC2021/TPI2014

Wind Code: ASCE 7-16 Wind Speed: 115 mph Roof Load: 50.0 psf

Mean Roof Height (feet): 25

Design Program: MiTek 20/20 8.8

Design Method: MWFRS (Envelope)/C-C hybrid Wind ASCE 7-16

Trenco

818 Soundside Rd

Edenton, NC 27932

Floor Load: N/A psf

Exposure Category: B

No. Seal# Truss Name Date 171648066 2/26/25 171648067 2/26/25 171648068 2FGE5 2/26/25

The truss drawing(s) referenced above have been prepared by Truss Engineering Co. under my direct supervision based on the parameters

My license renewal date for the state of North Carolina is December 31, 2025.

IMPORTANT NOTE: The seal on these truss component designs is a certification designs comply with ANSI/TDIA. 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.



February 26,2025

Gilbert, Eric

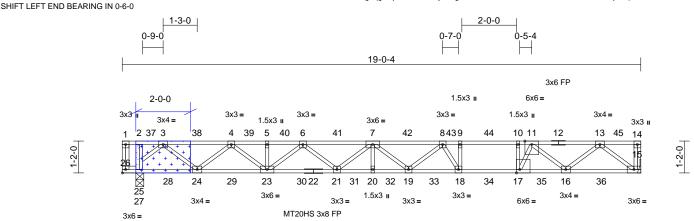
Job Truss Truss Type Qty Ply Campbell Ridge Lot 00.0015 OWF Repair 171648066 2502-2684-A 2F14 Floor 14 Job Reference (optional)

Structural, LLC, Thurmont, MD - 21788. REPAIR:

Run: 8.83 E Feb 1 2025 Print: 8.830 E Feb 1 2025 MiTek Industries, Inc. Wed Feb 26 08:42:30 ID:xERO2g4qgUEj?JhKoPDf6uy9neg-DEG\_BiknmHwJHGO5bM2QuBD3rbGWPMjXvbp9mNzhJod

1-0-0

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ATTACH 3/4" PLYWOOD OR OSB GUSSET (23/32" RATED SHEATHING 48/24 EXP 1) TO EACH SIDE OF TRUSS WITH ONE ROW OF (0.131" X 2.5") NAILS SPACED 2" O.C. FROM EACH FACE INTO EACH COVERED TRUSS MEMBER. IN ADDITION TO REQUIRED NAILING CONSTRUCTION QUALITY ADHESIVE RECOMMENDED TO REDUCE POTENTIAL SQUEAKS. INSTALL DOUBLE 4X2 SP NO.2 BLOCKING AS SHOWN



Plate Offsets (X, Y): [17:0-1-8,Edge]

| Loading | (psf) | Spacing         | 1-4-0           | CSI      |      | DEFL     | in    | (loc) | l/defl | L/d | PLATES         | GRIP            |
|---------|-------|-----------------|-----------------|----------|------|----------|-------|-------|--------|-----|----------------|-----------------|
| TCLL    | 40.0  | Plate Grip DOL  | 1.00            | TC       | 0.57 | Vert(LL) | -0.29 | 18-19 | >744   | 480 | MT20           | 244/190         |
| TCDL    | 10.0  | Lumber DOL      | 1.00            | BC       | 0.91 | Vert(CT) | -0.41 | 18-19 | >541   | 360 | MT20HS         | 187/143         |
| BCLL    | 0.0   | Rep Stress Incr | YES             | WB       | 0.68 | Horz(CT) | 0.05  | 15    | n/a    | n/a |                |                 |
| BCDL    | 5.0   | Code            | IRC2021/TPI2014 | Matrix-S |      |          |       |       |        |     | Weight: 100 lb | FT = 20%F, 12%E |

### LUMBER

Scale = 1.42.3

TOP CHORD 2x4 SP SS(flat) \*Except\* 12-14:2x4 SP No.2

(flat)

**BOT CHORD** 2x4 SP No.2(flat) \*Except\* 22-15:2x4 SP SS (flat)

**WEBS** 2x4 SP No.3(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.

REACTIONS (lb/size) 15=669/ Mechanical, 25=707/0-3-8

> 15=670 (LC 4), 25=707 (LC 1) Max Grav

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250

(lb) or less except when shown.

TOP CHORD 14-15=-258/22, 2-37=0/280, 3-37=0/280, 3-38=-1177/0, 4-38=-1177/0, 4-39=-2232/0,

5-39=-2232/0, 5-40=-2232/0, 6-40=-2232/0, 6-41=-2779/0, 7-41=-2779/0, 7-42=-2922/0,

8-42=-2922/0, 8-43=-2426/0, 9-43=-2426/0, 9-44=-2426/0, 10-44=-2426/0,

10-11=-2426/0, 11-12=-1395/0,

12-13=-1395/0

**BOT CHORD** 25-28=0/550, 24-28=0/550, 24-29=0/1786,

23-29=0/1786, 23-30=0/2602, 22-30=0/2602, 21-22=0/2602, 21-31=0/2936, 20-31=0/2936, 20-32=0/2936, 19-32=0/2936, 19-33=0/2764,

18-33=0/2764, 18-34=0/2426, 17-34=0/2426, 17-35=0/2042, 16-35=0/2042, 16-36=0/830,

15-36=0/830

WEBS 9-18=-22/473 10-17=-709/104

3-27=-1056/0, 3-24=0/816, 4-24=-794/0,

4-23=0/570, 5-23=-254/69, 6-23=-473/4. 6-21=-58/308, 7-21=-276/204

7-19=-186/274, 8-19=-83/331, 8-18=-719/0,

13-15=-1041/0, 13-16=0/736, 11-16=-841/0,

11-17=-75/1018, 25-27=-691/0

### NOTES

- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- 3) Refer to girder(s) for truss to truss connections.
- 4) N/A
- This truss has been designed for a moving concentrated 5) load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

LOAD CASE(S) Standard



February 26,2025

2-27=-294/143

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall

building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcacomponents.com)



Edenton, NC 27932

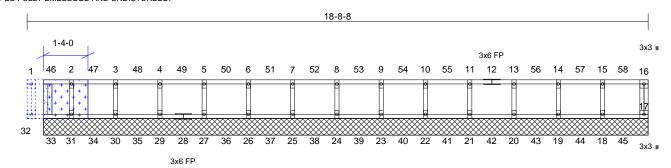
Job Truss Truss Type Qty Ply Campbell Ridge Lot 00.0015 OWF Repair 171648067 2502-2684-A 2FGE3 Floor Supported Gable Job Reference (optional)

Structural, LLC, Thurmont, MD - 21788

REPAR STUB LEFT END 0-6-0 Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 18:44:57 ID:mfK5tYLFGZ8SFrylek82Xly9neJ-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

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LUMBER AND CONNECTOR PLATES (SHOWN DASHED) TO BE CUT CLEANLY AND ACCURATELY AND THE REMAINING PLATE(S) MUST BE FULLY EMBEDDED AND UNDISTURBED.



ATTACH 3/4" PLYWOOD OR OSB GUSSET (23/32" RATED SHEATHING 48/24 EXP 1) TO ONE FACE OF TRUSS WITH ONE ROW OF (0.131" X 2.5") NAILS SPACED 2" O.C. INTO EACH COVERED TRUSS MEMBER. IN ADDITION TO REQUIRED NAILING, CONSTRUCTION QUALITY ADHESIVE RECOMMENDED TO REDUCE POTENTIAL SQUEAKS.

INSTALL DOUBLE 4X2 SP NO.2 BLOCKING AS SHOWN.

### Scale = 1:34.7

LUMBER

| Loading | (psf) | Spacing         | 1-4-0           | csı      |      | DEFL      | in   | (loc) | l/defl | L/d | PLATES        | GRIP            |
|---------|-------|-----------------|-----------------|----------|------|-----------|------|-------|--------|-----|---------------|-----------------|
| TCLL    | 40.0  | Plate Grip DOL  | 1.00            | TC       | 0.27 | Vert(LL)  | n/a  | -     | n/a    | 999 | MT20          | 244/190         |
| TCDL    | 10.0  | Lumber DOL      | 1.00            | BC       | 0.28 | Vert(TL)  | n/a  | -     | n/a    | 999 |               |                 |
| BCLL    | 0.0   | Rep Stress Incr | YES             | WB       | 0.05 | Horiz(TL) | 0.00 | 17    | n/a    | n/a |               |                 |
| BCDL    | 5.0   | Code            | IRC2021/TPI2014 | Matrix-R |      |           |      |       |        |     | Weight: 79 lb | FT = 20%F, 12%E |

| 2x4 SP No.2(flat) |
|-------------------|
| 2x4 SP No.2(flat) |
| 2x4 SP No.3(flat) |
| 2x4 SP No.3(flat) |
|                   |

BRACING TOP CHORD

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

bracing.

**REACTIONS** (size)

17=18-8-8, 18=18-8-8, 19=18-8-8, 20=18-8-8, 21=18-8-8, 22=18-8-8, 23=18-8-8, 24=18-8-8, 25=18-8-8, 26=18-8-8, 27=18-8-8, 29=18-8-8, 30=18-8-8, 31=18-8-8, 32=18-8-8 Max Uplift 17=-15 (LC 44), 18=-6 (LC 43),

19=-6 (LC 42), 20=-6 (LC 41), 21=-6 (LC 40), 22=-6 (LC 39), 23=-6 (LC 38), 24=-6 (LC 40), 25=-6 (LC 39), 26=-7 (LC 35), 27=-6 (LC 37), 29=-6 (LC 36), 30=-5 (LC 7), 31=-7 (LC 34), 32=-16 (LC 33)

17=265 (LC 60), 18=280 (LC 59), Max Grav 19=280 (LC 58), 20=280 (LC 57), 21=280 (LC 56), 22=280 (LC 55), 23=280 (LC 54), 24=280 (LC 53), 25=280 (LC 52), 26=280 (LC 51), 27=280 (LC 50), 29=280 (LC 49), 30=280 (LC 48), 31=279 (LC 47),

32=264 (LC 46) **FORCES** (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-32=-260/22, 16-17=-260/21, 1-2=-22/4, 2-3=-22/4, 3-4=-22/4, 4-5=-22/4, 5-6=-22/4, 6-7=-22/4, 7-8=-22/4, 8-9=-22/4, 9-10=-22/4, 10-11=-22/4, 11-13=-22/4, 13-14=-22/4, 14-15=-22/4, 15-16=-22/4

BOT CHORD 31-32=-4/22, 30-31=-4/22, 29-30=-4/22

27-29=-4/22, 26-27=-4/22, 25-26=-4/22, 24-25=-4/22, 23-24=-4/22, 22-23=-4/22, 21-22=-4/22, 20-21=-4/22, 19-20=-4/22, 18-19=-4/22, 17-18=-4/22

**WEBS** 2-31=-268/16, 3-30=-269/14, 4-29=-269/14, 5-27=-269/14, 6-26=-269/14, 7-25=-269/14,

8-24=-269/14, 9-23=-269/14, 10-22=-269/14, 11-21=-269/14, 13-20=-269/14,

14-19=-269/14, 15-18=-268/15

### **NOTES**

- All plates are 1.5x3 (||) MT20 unless otherwise 1) indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely 3) braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- All bearings are assumed to be SP No.2 .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 32, 15 lb uplift at joint 17, 7 lb uplift at joint 31, 5 lb uplift at joint 30, 6 lb uplift at joint 29, 6 lb uplift at joint 27, 7 lb uplift at joint 26, 6 lb uplift at joint 25, 6 lb uplift at joint 24, 6 lb uplift at joint 23, 6 lb uplift at joint 22, 6 lb uplift at joint 21, 6 lb uplift at joint 20, 6 lb uplift at joint 19 and 6 lb uplift at joint 18.
- This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

LOAD CASE(S) Standard



February 26,2025

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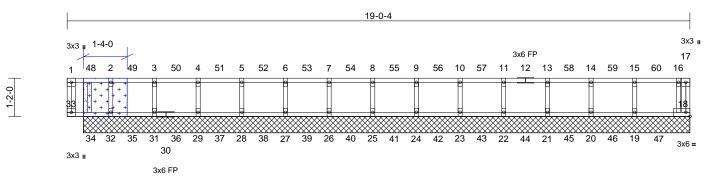
Edenton, NC 27932

Job Truss Truss Type Qty Ply Campbell Ridge Lot 00.0015 OWF Repair 171648068 2502-2684-A 2FGE5 Floor Supported Gable Job Reference (optional)

Structural, LLC, Thurmont, MD - 21788.

Run: 8.83 S Feb 18 2025 Print: 8.830 S Feb 18 2025 MiTek Industries, Inc. Tue Feb 25 18:44:57 ID:yXcMU853giaRU0LRbzuE9gzou6j-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f

REPAIR SHIFT CONTINOUS BEARING ON LEFT END FOR 0-6-0 CANTILEVER



ATTACH 3/4" PLYWOOD OR OSB GUSSET (23/32" RATED SHEATHING 48/24 EXP 1) TO ONE FACE OF TRUSS WITH ONE ROW OF (0.131" X 2.5") NAILS SPACED 2" O.C. INTO EACH COVERED TRUSS MEMBER. IN ADDITION TO REQUIRED NAILING, CONSTRUCTION QUALITY ADHESIVE RECOMMENDED TO REDUCE POTENTIAL SQUEAKS.

INSTALL DOUBLE 4X2 SP NO.2 BLOCKING AS SHOWN

19-0-4

5-6-12

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| Ocare - 1.33.2 |       |                 |                 |          |      |           |      |       |        |     |               |                 |
|----------------|-------|-----------------|-----------------|----------|------|-----------|------|-------|--------|-----|---------------|-----------------|
| Loading        | (psf) | Spacing         | 1-4-0           | CSI      |      | DEFL      | in   | (loc) | l/defl | L/d | PLATES        | GRIP            |
| TCLL           | 40.0  | Plate Grip DOL  | 1.00            | TC       | 0.32 | Vert(LL)  | n/a  | -     | n/a    | 999 | MT20          | 244/190         |
| TCDL           | 10.0  | Lumber DOL      | 1.00            | BC       | 0.34 | Vert(TL)  | n/a  | -     | n/a    | 999 |               |                 |
| BCLL           | 0.0   | Rep Stress Incr | NO              | WB       | 0.05 | Horiz(TL) | 0.00 | 18    | n/a    | n/a |               |                 |
| BCDL           | 5.0   | Code            | IRC2021/TPI2014 | Matrix-R |      |           |      |       |        |     | Weight: 81 lb | FT = 20%F, 12%E |

| LUMBER    |                   |
|-----------|-------------------|
| TOP CHORD | 2x4 SP No.2(flat) |
| BOT CHORD | 2x4 SP No.2(flat) |
| WEBS      | 2x4 SP No.3(flat) |
| OTHERS    | 2v4 SP No 3(flat) |

THERS BRACING

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

bracing.

**REACTIONS** (size) 18=19-0-4, 19=19-0-4, 20=19-0-4, 21=19-0-4, 22=19-0-4, 23=19-0-4, 24=19-0-4, 25=19-0-4, 26=19-0-4, 27=19-0-4, 28=19-0-4, 29=19-0-4, 31=19-0-4, 32=19-0-4, 33=19-0-4

Max Uplift 18=-6 (LC 16), 19=-1 (LC 46), 20=-13 (LC 48), 21=-6 (LC 47), 22=-6 (LC 46), 23=-6 (LC 45), 24=-6 (LC 44), 25=-6 (LC 43), 26=-6 (LC 42), 27=-6 (LC 41), 28=-6 (LC 40), 29=-6 (LC 39), 31=-5 (LC 38), 32=-11 (LC 17),

33=-15 (LC 36) 18=268 (LC 63), 19=282 (LC 62), Max Grav 20=279 (LC 61), 21=280 (LC 60), 22=280 (LC 59), 23=280 (LC 58), 24=280 (LC 57), 25=280 (LC 56), 26=280 (LC 55), 27=280 (LC 54), 28=280 (LC 53), 29=280 (LC 52), 31=280 (LC 51), 32=278 (LC 50),

33=265 (LC 49) **FORCES** (lb) - Maximum Compression/Maximum

Tension TOP CHORD

1-33=-261/22, 17-18=-82/95, 1-2=-30/4, 2-3=-30/4, 3-4=-30/4, 4-5=-30/4, 5-6=-30/4, 6-7=-30/4, 7-8=-30/4, 8-9=-30/4, 9-10=-30/4, 10-11=-30/4, 11-13=-30/4, 13-14=-30/4, 14-15=-30/4, 15-16=-30/4, 16-17=-38/7

BOT CHORD 32-33=-4/30, 31-32=-4/30, 29-31=-4/30,

28-29=-4/30, 27-28=-4/30, 26-27=-4/30, 25-26=-4/30, 24-25=-4/30, 23-24=-4/30, 22-23=-4/30, 21-22=-4/30, 20-21=-4/30,

19-20=-4/30, 18-19=-4/30 **WEBS** 

2-32=-267/16, 3-31=-269/13, 4-29=-269/14, 5-28=-269/14, 6-27=-269/14, 7-26=-269/14, 8-25=-269/14, 9-24=-269/14, 10-23=-269/14,

11-22=-269/14, 13-21=-269/14, 14-20=-268/16, 15-19=-270/12, 16-18=-232/88

### **NOTES**

13-5-8

13-5-8

- All plates are 1.5x3 (||) MT20 unless otherwise 1) indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely 3) braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 1-4-0 oc.
- All bearings are assumed to be SP No.2 .
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 15 lb uplift at joint 33, 6 lb uplift at joint 18, 11 lb uplift at joint 32, 5 lb uplift at joint 31, 6 lb uplift at joint 29, 6 lb uplift at joint 28, 6 lb uplift at joint 27, 6 lb uplift at joint 26, 6 lb uplift at joint 25, 6 lb uplift at joint 24, 6 lb uplift at joint 23, 6 lb uplift at joint 22, 6 lb uplift at joint 21, 13 lb uplift at joint 20 and 1 lb uplift at joint 19.
- This truss has been designed for a moving concentrated load of 250.0lb live and 3.0lb dead located at all mid panels and at all panel points along the Top Chord and Bottom Chord, nonconcurrent with any other live loads.
- Recommend 2x6 strongbacks, on edge, spaced at 10-00-00 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.

LOAD CASE(S) Standard



February 26,2025

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

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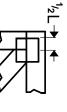
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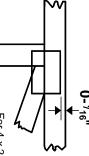
Edenton, NC 27932

### 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- <sup>1</sup>/16" from outside edge of truss.

₹

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

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

### PLATE SIZE

4 × 4

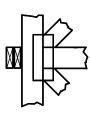
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING LOCATION



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

### **BEARING**



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

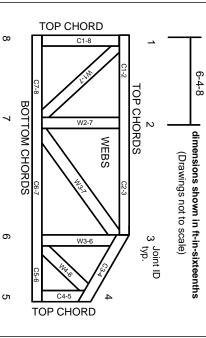
### Industry Standards:

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



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.
- 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.

'n

- 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.
- 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.
- 17. 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.