

Trenco  
818 Soundside Rd  
Edenton, NC 27932

Re: 24-6512-A  
DREES HOMES-SERENITY LOT #354 ROOF

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

Pages or sheets covered by this seal: I71464915 thru I71464915

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

North Carolina COA: C-0844



February 18, 2025

Tony Miller

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

Job	Truss	Truss Type	Qty	Ply	DREES HOMES-SERENITY LOT #354 ROOF	171464915
24-6512-A	T06	Common	7	1	Job Reference (optional)	

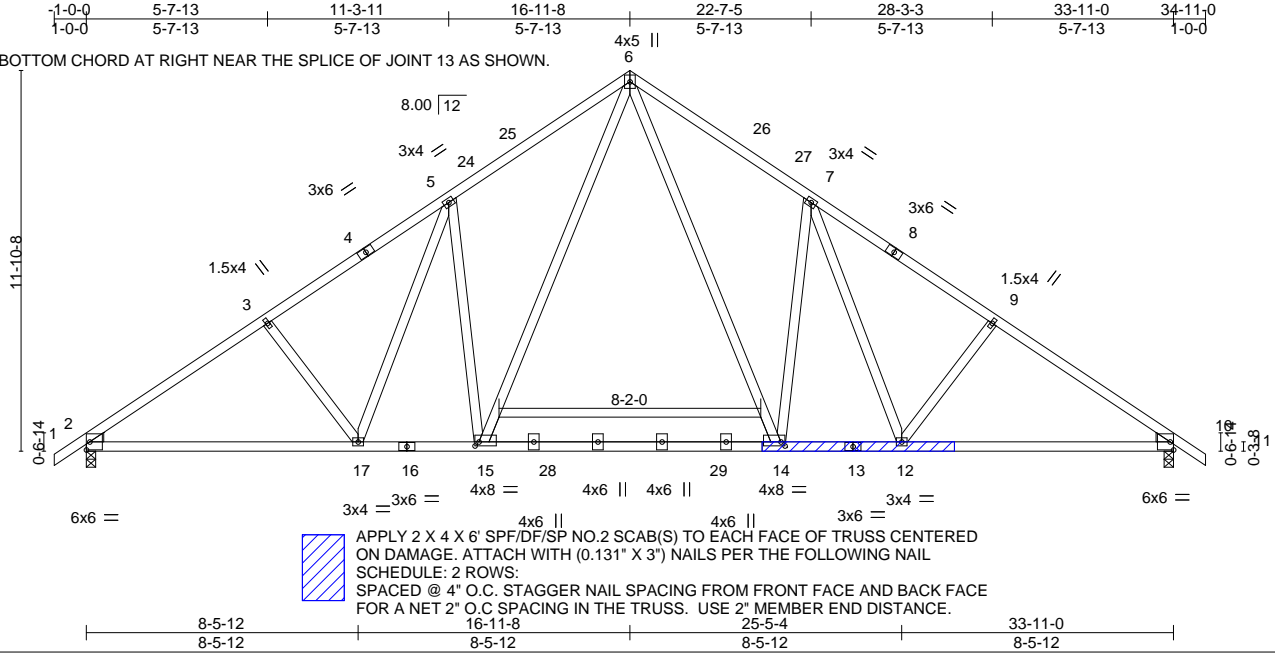
Riverside Roof Truss, LLC, Danville, Va - 24541,

8.730 s Dec 5 2024 MiTek Industries, Inc. Mon Feb 17 12:52:12 2025 Page 1

ID:YesRxnvegog4b03qIP19yPznyiV-TTCa0rhYPF50EV2mYZg4Yju1Vft\_j2tqAHnlCtzkE\_X

REPAIR:  
BREAK IN BOTTOM CHORD AT RIGHT NEAR THE SPLICE OF JOINT 13 AS SHOWN.

Scale = 1:71.9



APPLY 2 X 4 X 6' SPF/DF/SP NO.2 SCAB(S) TO EACH FACE OF TRUSS CENTERED ON DAMAGE. ATTACH WITH (0.131" X 3") NAILS PER THE FOLLOWING NAIL SCHEDULE: 2 ROWS: SPACED @ 4" O.C. STAGGER NAIL SPACING FROM FRONT FACE AND BACK FACE FOR A NET 2" O.C SPACING IN THE TRUSS. USE 2" MEMBER END DISTANCE.

Plate Offsets (X,Y)-- [14:0-1-8,0-1-8], [15:0-1-8,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 30.0	2-0-0	TC 0.73	in (loc) l/defl L/d	MT20	244/190
Snow (Pf/Pg) 23.1/30.0	Plate Grip DOL 1.15	BC 0.81	Vert(LL) -0.14 14-15 >999 360		
TCDL 10.0	Lumber DOL 1.15	WB 0.93	Vert(CT) -0.28 14-15 >999 240		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.08 10 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014			Weight: 248 lb	FT = 20%

**LUMBER-**

TOP CHORD 2x4 SP No.1 \*Except\*  
1-4,8-11: 2x4 SP No.2  
BOT CHORD 2x4 SP No.1 \*Except\*  
14-15: 2x10 SP No.2, 13-16: 2x4 SP No.2  
WEBS 2x4 SP No.3  
WEDGE  
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

**BRACING-**

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

**REACTIONS.**

(size) 2=0-3-8, 10=0-3-8  
Max Horz 2=-281(LC 14)  
Max Grav 2=2050(LC 30), 10=2050(LC 31)

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

TOP CHORD 2-3=-2925/0, 3-5=-2728/0, 5-6=-2465/6, 6-7=-2465/0, 7-9=-2728/0, 9-10=-2925/0  
BOT CHORD 2-17=0/2543, 15-17=0/2172, 14-15=0/1580, 12-14=0/2055, 10-12=0/2333  
WEBS 7-12=-103/496, 9-12=-341/191, 5-17=-102/496, 3-17=-341/191, 6-15=-33/1318, 6-14=-33/1318, 5-15=-781/302, 7-14=-781/302

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 2-4-11, Interior(1) 2-4-11 to 16-11-8, Exterior(2R) 16-11-8 to 20-4-3, Interior(1) 20-4-3 to 34-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-16; Pr=30.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=30.0 psf; Pf=23.1 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 23.1 psf on overhangs non-concurrent with other live loads.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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, 35, 36, 37, 38, 39 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard

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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.**

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8.730 s Dec 5 2024 MiTek Industries, Inc. Mon Feb 17 12:52:12 2025 Page 2  
ID:YesRxnvegog4b03qiP19yPznyiV-TTCa0rhYPF50EV2mYZg4Yju1Vft\_j2tqAHnlCtzkE\_X

**LOAD CASE(S)** Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-6=-66, 6-11=-66, 15-18=-20, 14-15=-60, 14-21=-20
- 2) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-6=-80, 6-11=-80, 15-18=-20, 14-15=-60, 14-21=-20
- 3) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-6=-65, 6-11=-65, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35
- 4) Dead + 0.75 Snow (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-6=-55, 6-11=-55, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35
- 5) Dead + 0.75 Snow (Unbal. Left) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-24=-55, 6-24=-86, 6-11=-30, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35
- 6) Dead + 0.75 Snow (Unbal. Right) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-6=-30, 6-27=-86, 11-27=-55, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35
- 7) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-6=-20, 6-11=-20, 15-18=-40, 14-15=-80, 14-21=-40
- 8) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=35, 2-6=17, 6-26=23, 10-26=17, 10-11=11, 15-18=-12, 14-15=-52, 14-21=-12  
Horz: 1-2=-47, 2-6=-29, 6-26=35, 10-26=29, 10-11=23
- 9) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=11, 2-25=17, 6-25=23, 6-10=17, 10-11=35, 15-18=-12, 14-15=-52, 14-21=-12  
Horz: 1-2=-23, 2-25=-29, 6-25=-35, 6-10=29, 10-11=47
- 10) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-5, 2-6=-40, 6-10=-40, 10-11=-35, 15-18=-20, 14-15=-60, 14-21=-20  
Horz: 1-2=-15, 2-6=20, 6-10=-20, 10-11=-15
- 11) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-35, 2-6=-40, 6-10=-40, 10-11=-5, 15-18=-20, 14-15=-60, 14-21=-20  
Horz: 1-2=15, 2-6=20, 6-10=-20, 10-11=15
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-2, 2-6=-15, 6-10=9, 10-11=4, 15-18=-12, 14-15=-52, 14-21=-12  
Horz: 1-2=-10, 2-6=3, 6-10=21, 10-11=16
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=4, 2-6=9, 6-10=-15, 10-11=-2, 15-18=-12, 14-15=-52, 14-21=-12  
Horz: 1-2=-16, 2-6=-21, 6-10=-3, 10-11=10
- 14) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-28, 2-6=-33, 6-10=-10, 10-11=-4, 15-18=-20, 14-15=-60, 14-21=-20  
Horz: 1-2=8, 2-6=13, 6-10=10, 10-11=16
- 15) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-4, 2-6=-10, 6-10=-33, 10-11=-28, 15-18=-20, 14-15=-60, 14-21=-20  
Horz: 1-2=-16, 2-6=-10, 6-10=-13, 10-11=-8
- 16) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=19, 2-6=25, 6-10=9, 10-11=4, 15-18=-12, 14-15=-52, 14-21=-12  
Horz: 1-2=-31, 2-6=-37, 6-10=21, 10-11=16
- 17) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=4, 2-6=9, 6-10=25, 10-11=19, 15-18=-12, 14-15=-52, 14-21=-12  
Horz: 1-2=-16, 2-6=-21, 6-10=37, 10-11=31
- 18) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=8, 2-6=14, 6-10=4, 10-11=-1, 15-18=-12, 14-15=-52, 14-21=-12  
Horz: 1-2=-20, 2-6=-26, 6-10=16, 10-11=11
- 19) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-1, 2-6=4, 6-10=14, 10-11=8, 15-18=-12, 14-15=-52, 14-21=-12  
Horz: 1-2=-11, 2-6=-16, 6-10=26, 10-11=20
- 20) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=11, 2-6=6, 6-10=-10, 10-11=-4, 15-18=-20, 14-15=-60, 14-21=-20  
Horz: 1-2=-31, 2-6=-26, 6-10=10, 10-11=16
- 21) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3

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24-6512-A	T06	Common	7	1	171464915

Riverside Roof Truss, LLC, Danville, Va - 24541,

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ID:YesRxnvegog4b03qiP19yPznyiV-TTCa0rhYPF50EV2mYZg4Yju1Vft\_j2tqAHnlCtzkE\_X

**LOAD CASE(S)** Standard

- Uniform Loads (plf)  
Vert: 1-2=-4, 2-6=-10, 6-10=6, 10-11=11, 15-18=-20, 14-15=-60, 14-21=-20  
Horz: 1-2=-16, 2-6=-10, 6-10=26, 10-11=31
- 22) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-2=-66, 2-6=-20, 6-10=-20, 10-11=-66, 15-18=-20, 14-15=-60, 14-21=-20
- 23) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-24=-66, 6-24=-108, 6-11=-34, 15-18=-20, 14-15=-60, 14-21=-20
- 24) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-6=-34, 6-27=-108, 11-27=-66, 15-18=-20, 14-15=-60, 14-21=-20
- 25) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-6=-20, 6-11=-20, 15-18=-40, 15-28=-80, 28-29=-100, 14-29=-80, 14-21=-40
- 26) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-61, 2-6=-65, 6-10=-47, 10-11=-43, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35  
Horz: 1-2=6, 2-6=10, 6-10=8, 10-11=12
- 27) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-43, 2-6=-47, 6-10=-65, 10-11=-61, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35  
Horz: 1-2=-12, 2-6=-8, 6-10=10, 10-11=6
- 28) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-31, 2-6=-35, 6-10=-47, 10-11=-43, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35  
Horz: 1-2=-24, 2-6=-20, 6-10=8, 10-11=12
- 29) Dead + 0.75 Snow (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-43, 2-6=-47, 6-10=-35, 10-11=-31, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35  
Horz: 1-2=-12, 2-6=-8, 6-10=20, 10-11=24
- 30) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-71, 2-6=-75, 6-10=-57, 10-11=-53, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35  
Horz: 1-2=6, 2-6=10, 6-10=8, 10-11=12
- 31) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-53, 2-6=-57, 6-10=-75, 10-11=-71, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35  
Horz: 1-2=-12, 2-6=-8, 6-10=10, 10-11=6
- 32) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-41, 2-6=-45, 6-10=-57, 10-11=-53, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35  
Horz: 1-2=-24, 2-6=-20, 6-10=8, 10-11=12
- 33) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=-53, 2-6=-57, 6-10=-45, 10-11=-41, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35  
Horz: 1-2=-12, 2-6=-8, 6-10=20, 10-11=24
- 34) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-2=4, 2-6=-28, 6-11=-28, 15-18=-12, 14-15=-52, 14-21=-12  
Horz: 1-2=-16, 2-6=16, 6-11=-16
- 35) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60  
Uniform Loads (plf)  
Vert: 1-6=4, 6-11=4, 15-18=-12, 14-15=-52, 14-21=-12  
Horz: 1-6=-16, 6-11=16
- 36) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-6=-80, 6-11=-20, 15-18=-20, 14-15=-60, 14-21=-20
- 37) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-6=-20, 6-11=-80, 15-18=-20, 14-15=-60, 14-21=-20
- 38) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-6=-65, 6-11=-20, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35
- 39) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15  
Uniform Loads (plf)  
Vert: 1-6=-20, 6-11=-65, 15-18=-35, 15-28=-75, 28-29=-90, 14-29=-75, 14-21=-35

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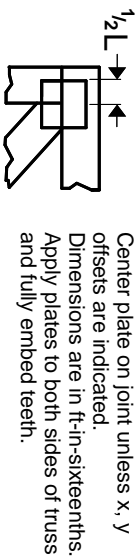
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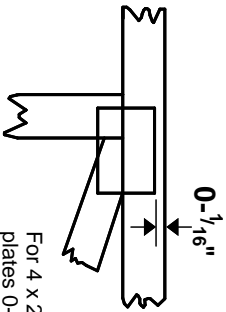
818 Soundside Road  
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# Symbols

## PLATE LOCATION AND ORIENTATION



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



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



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

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

## PLATE SIZE

4 X 4

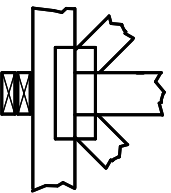
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING LOCATION



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

## BEARING



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

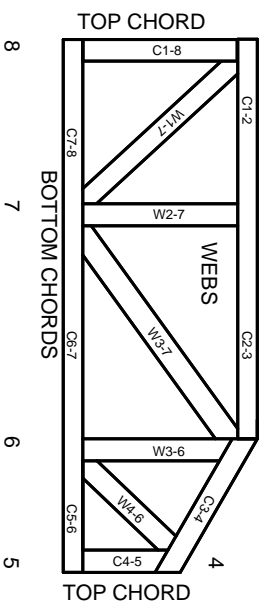
## Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.  
DSB-22: Design Standard for Bracing.  
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

# Numbering System



1 TOP CHORDS  
2 Joint ID  
3 typ.



**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/TP1 section 6.3. These truss designs rely on Lumber values established by others.

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# General Safety Notes

## Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability/bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.

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MITek Engineering Reference Sheet: MIL-7473 rev. 1/2/2023