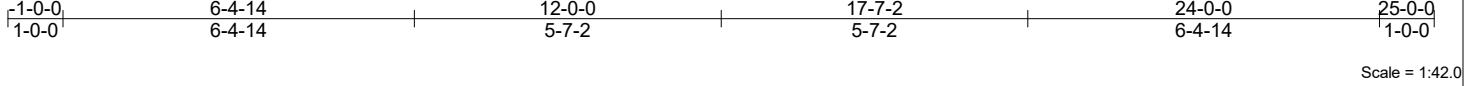
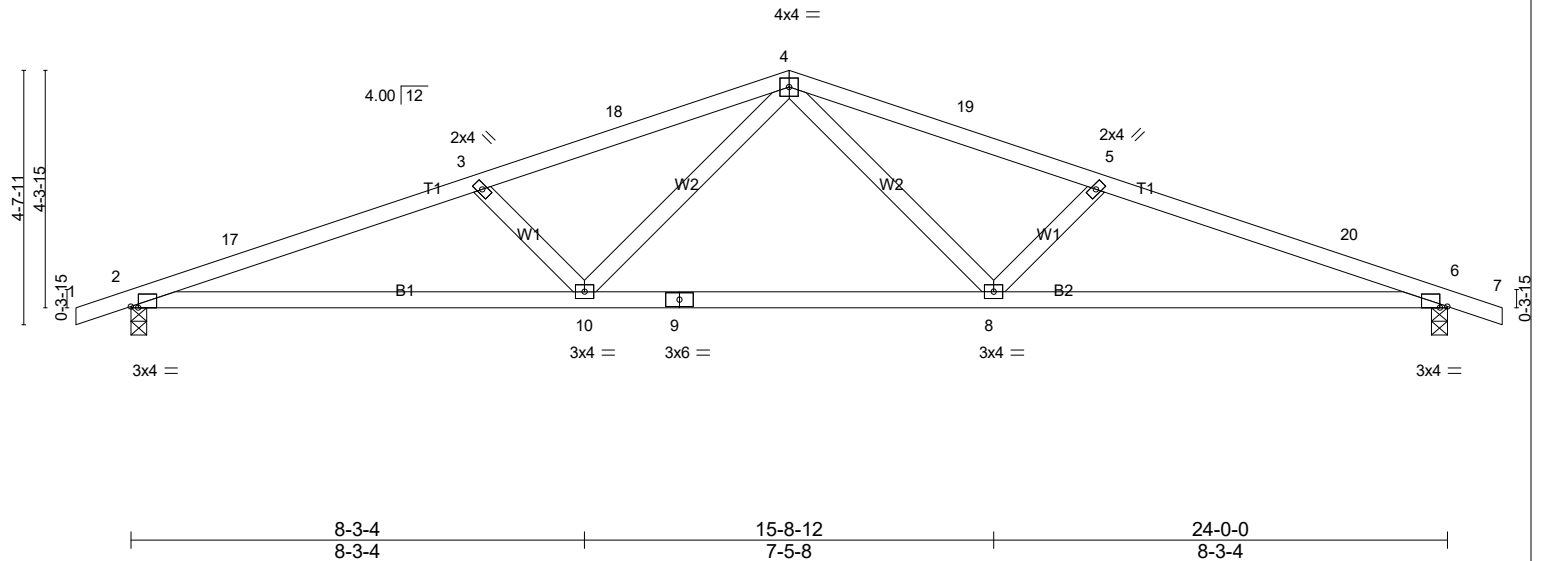


Job 2300753-R	Truss A01	Truss Type Common	Qty 9	Ply 1	Campbell Garage
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Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787, Designer: JR
 Run: 8.700 s May 29 2023 Print: 8.700 s May 29 2023 MiTek Industries, Inc. Fri Aug 4 13:13:05 2023 Page 1
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Scale = 1:42.0



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.12 10-13 >999 240	MT20	244/190	Weight:	100 lb FT = 20%
TCDL	10.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.29 10-13 >980 180				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.07 6 n/a n/a				
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							

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

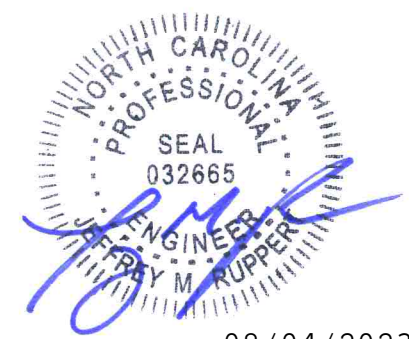
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-3-7 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-2-0 oc bracing.

REACTIONS. (lb/size) 2=1020/0-3-8 (min. 0-1-8), 6=1020/0-3-8 (min. 0-1-8)
 Max Horz 2=55(LC 11)
 Max Uplift 2=-172(LC 12), 6=-172(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-17=-2301/597, 3-17=-2273/613, 3-18=-2035/527, 4-18=-1974/538, 4-19=-1974/538, 5-19=-2035/527, 5-20=-2273/613, 6-20=-2301/597
 BOT CHORD 2-10=-507/2157, 9-10=-280/1434, 8-9=-280/1434, 6-8=-513/2157
 WEBS 4-8=-111/661, 5-8=-428/232, 4-10=-111/661, 3-10=-428/232

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 12-0-0, Exterior(2R) 12-0-0 to 15-0-0, Interior(1) 15-0-0 to 25-0-0 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
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 172 lb uplift at joint 2 and 172 lb uplift at joint 6.
 - 6) 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) Standard



08/04/2023

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Job 2300753-R	Truss A01E	Truss Type Common Supported Gable	Qty 2	Ply 1	Campbell Garage
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Truswood Inc. PO Box 90035 Raleigh, NC 27675, Toll Free: 1-800-473-8787, Designer: JR
 Run: 8.700 s May 29 2023 Print: 8.700 s May 29 2023 MiTek Industries, Inc. Fri Aug 4 13:13:06 2023 Page 1
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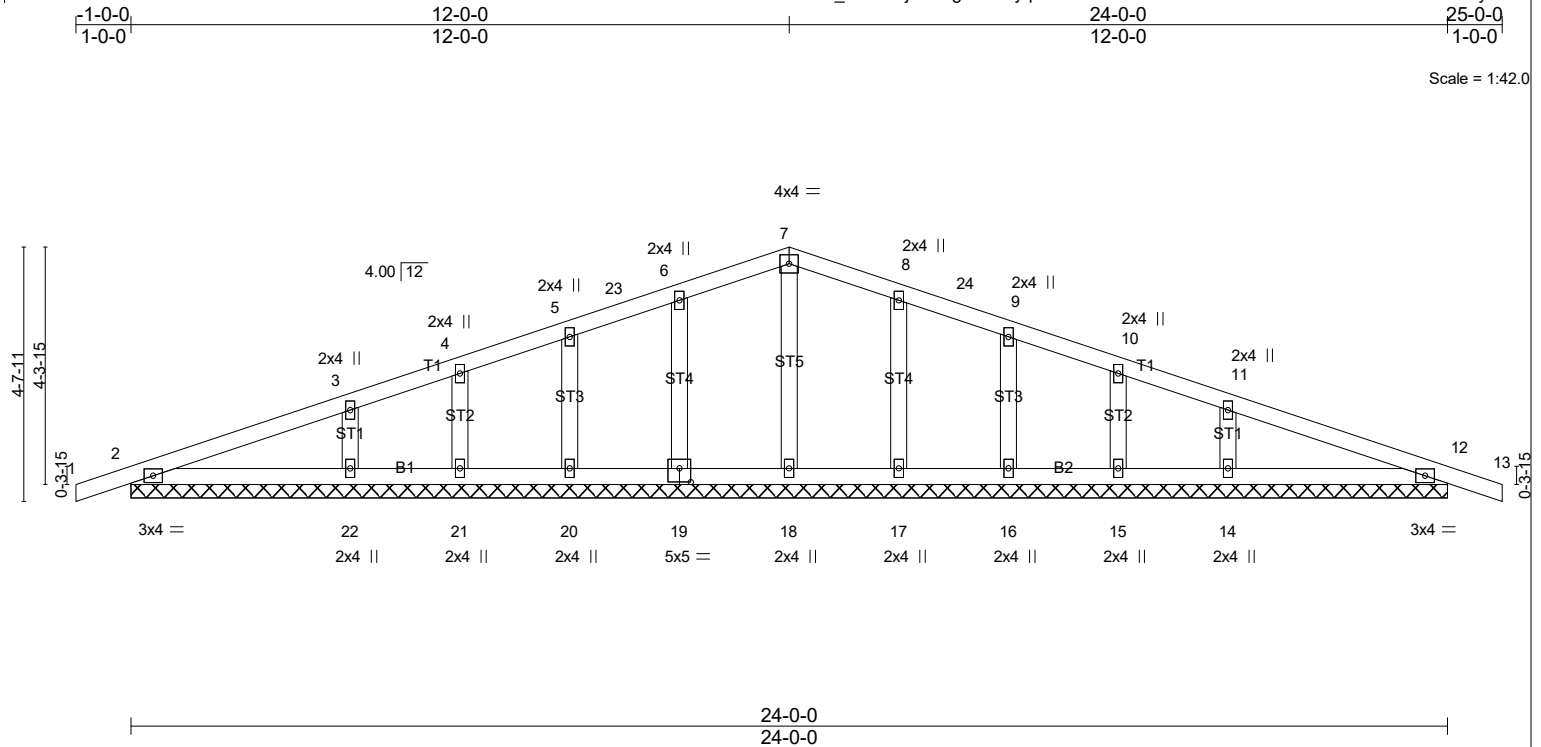


Plate Offsets (X,Y)-- [19:0-2-8,0-3-0]	
LOADING (psf)	SPACING- 2-0-0
TCLL 20.0	Plate Grip DOL 1.15
TCDL 10.0	Lumber DOL 1.15
BCLL 0.0 *	Rep Stress Incr YES
BCDL 10.0	Code IRC2018/TPI2014
CSL	DEFL
TC 0.16	in (loc) l/defl L/d
BC 0.12	Vert(LL) 0.00 13 n/r 120
WB 0.04	Vert(CT) 0.01 13 n/r 120
Matrix-S	Horz(CT) 0.00 12 n/a n/a
PLATES	GRIP
MT20	244/190
Weight: 107 lb	FT = 20%

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

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

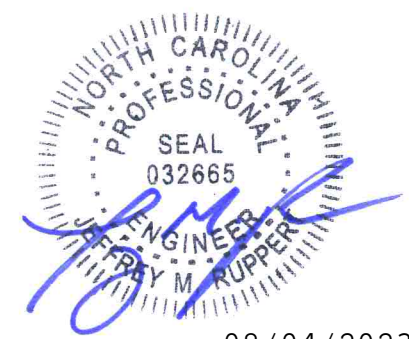
REACTIONS. All bearings 24-0-0.
 (lb) - Max Horz 2=55(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 20, 21, 22, 17, 16, 15, 14, 12
 Max Grav All reactions 250 lb or less at joint(s) 2, 18, 19, 20, 21, 17, 16, 15, 12 except 22=311(LC 1), 14=311(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp C; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-0-0 to 2-0-0, Exterior(2N) 2-0-0 to 12-0-0, Corner(3R) 12-0-0 to 15-0-0, Exterior(2N) 15-0-0 to 25-0-0 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Truswood standard detail "Gable BR-1" for bracing information.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 19, 20, 21, 22, 17, 16, 15, 14, 12.
- 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) Standard



08/04/2023

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