

Trenco
818 Soundside Rd
Edenton, NC 27932

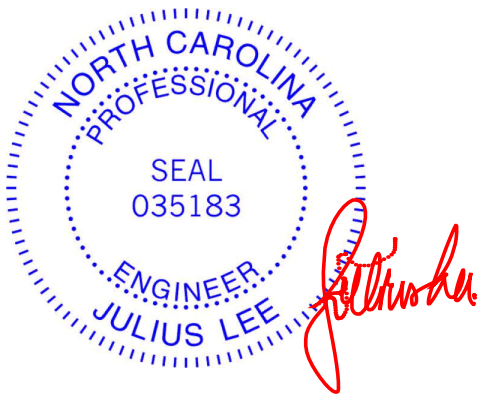
Re: 21030657-01
Cameron Woods Lot 19 - 2913 Elev B-Roof Truss

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Carter Components (Lexington, NC).

Pages or sheets covered by this seal: T24503263 thru T24503307

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844



June 28, 2021

Lee, Julius

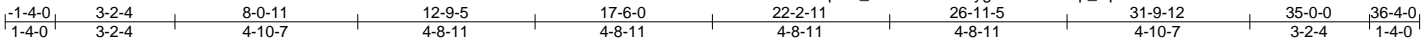
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss	T24503263
21030657-01	H1GR	HIP GIRDER	1	1	Job Reference (optional)	

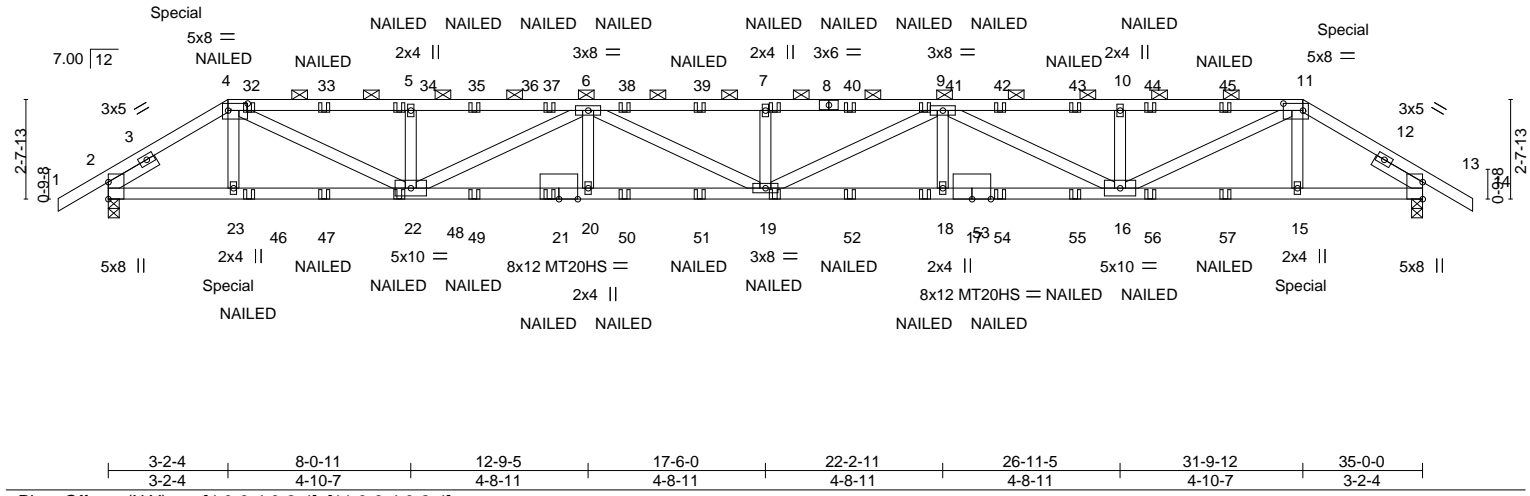
Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:19 2021 Page 1

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Scale = 1:61.4



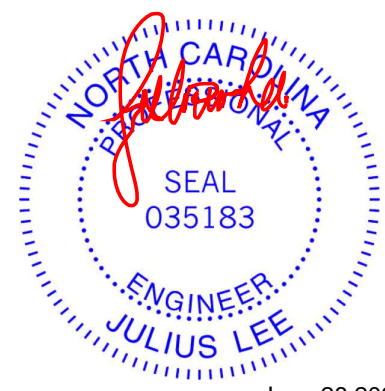
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.97	Vert(LL)	-0.48	19	>867	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.69	Vert(CT)	-1.00	19	>421	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.66	Horz(CT)	0.14	13	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS						
								Weight: 180 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 2-9-3 oc purlins, except
BOT CHORD 2x4 SP 2400F 2.0E	2-0-0 oc purlins (2-0-9 max.): 4-11.
WEBS 2x4 SP No.3 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
4-22,6-22,6-19,9-19,9-16,11-16: 2x4 SP No.2	
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 2=0-3-8, 13=0-3-8
 Max Horz 2=45(LC 26)
 Max Uplift 2=-155(LC 8), 13=-149(LC 8)
 Max Grav 2=1802(LC 1), 13=1791(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2553/197, 4-5=-4372/306, 5-6=-4372/306, 6-7=-6008/391, 7-9=-6008/391,
 9-10=-4361/300, 10-11=-4361/300, 11-13=-2537/188
 BOT CHORD 2-23=-107/2100, 22-23=-105/2105, 20-22=-296/5602, 19-20=-296/5602, 18-19=-293/5596,
 16-18=-293/5596, 15-16=-105/2090, 13-15=-106/2086
 WEBS 4-22=-145/2532, 5-22=-350/120, 6-22=-1378/73, 6-19=-28/458, 7-19=-303/90,
 9-19=-32/468, 9-16=-1385/76, 10-16=-348/121, 11-16=-146/2535

- 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=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 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) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 13. This connection is for uplift only and does not consider lateral forces.
 - 8) 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.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 152 lb down and 45 lb up at 3-2-4, and 152 lb down and 45 lb up at 31-9-12 on top chord, and 172 lb down and 61 lb up at 3-2-4, and 172 lb down and 61 lb up at 31-9-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).



June 28, 2021

LOAD CASE(S) Standard

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job 21030657-01	Truss H1GR	Truss Type HIP GIRDER	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503263 Job Reference (optional)
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:19 2021 Page 2
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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-4=-60, 4-11=-60, 11-14=-60, 24-28=-20

Concentrated Loads (lb)

Vert: 4=-25(F) 11=-25(F) 21=-7(F) 23=-172(F) 19=-7(F) 7=-10(F) 15=-172(F) 32=-10(F) 33=-10(F) 34=-10(F) 35=-10(F) 37=-10(F) 38=-10(F) 39=-10(F) 40=-10(F) 41=-10(F) 42=-10(F) 43=-10(F) 44=-10(F) 45=-10(F) 46=-7(F) 47=-7(F) 48=-7(F) 49=-7(F) 50=-7(F) 51=-7(F) 52=-7(F) 53=-7(F) 54=-7(F) 55=-7(F) 56=-7(F) 57=-7(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



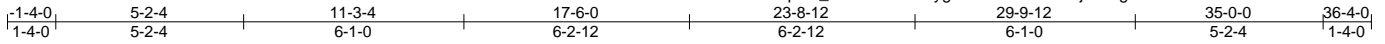
818 Soundside Road
Edenton, NC 27932

Job 21030657-01	Truss H1E	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503264
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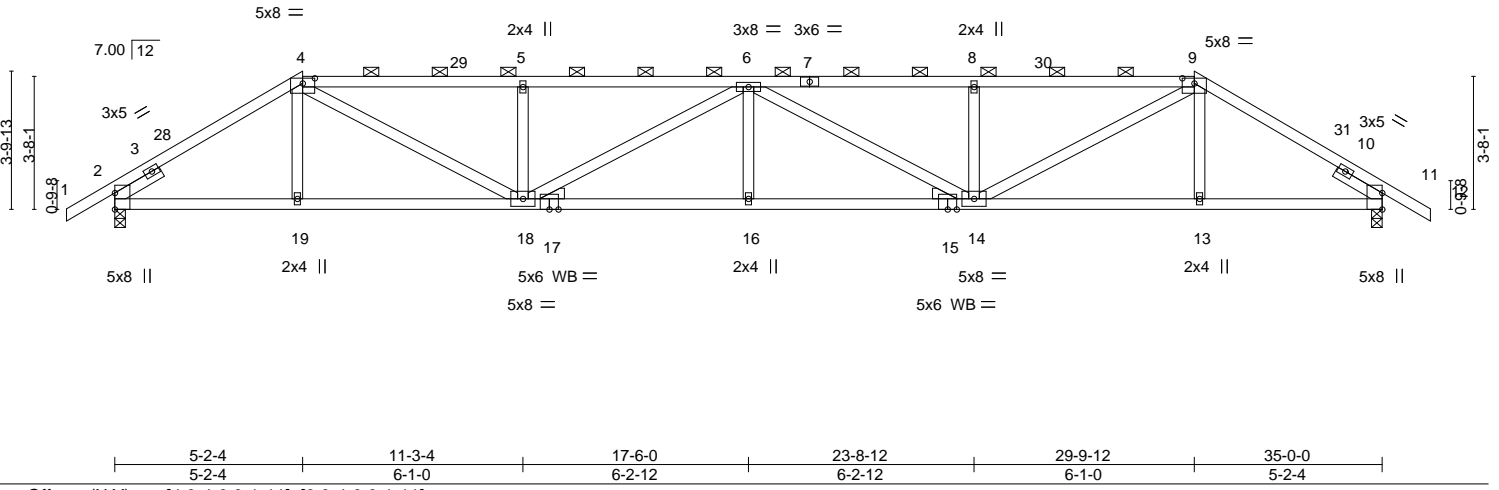
Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:16 2021 Page 1

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Scale: 3/16"=1'



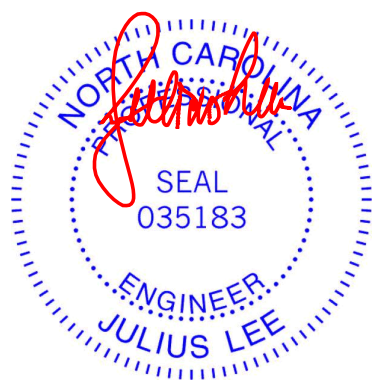
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.83	Vert(LL)	-0.28 16	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.96	Vert(CT)	-0.57 16-18	>740	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.71	Horz(CT)	0.14 11	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS					Weight: 181 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except
BOT CHORD 2x4 SP No.1 *Except* 15-17: 2x4 SP No.2	BOT CHORD 2-0-0 oc purlins (2-9-3 max.): 4-9. Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 2=0-3-8, 11=0-3-8
 Max Horz 2=63(LC 11)
 Max Uplift 2=-44(LC 12), 11=-44(LC 12)
 Max Grav 2=1480(LC 1), 11=1480(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2141/31, 4-5=-3236/58, 5-6=-3234/57, 6-8=-3234/57, 8-9=-3236/58,
 9-11=-2141/31
 BOT CHORD 2-19=0/1778, 18-19=0/1778, 16-18=0/3662, 14-16=0/3662, 13-14=0/1778, 11-13=0/1778
 WEBS 4-18=-10/1711, 5-18=-442/95, 6-18=-514/5, 6-14=-514/5, 8-14=-442/95, 9-14=-10/1711

- 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=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 5-2-4, Exterior(2R) 5-2-4 to 9-5-3, Interior(1) 9-5-3 to 29-9-12, Exterior(2R) 29-9-12 to 34-0-11, Interior(1) 34-0-11 to 36-4-0 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
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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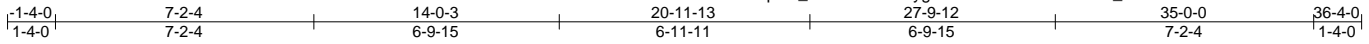
ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job 21030657-01	Truss H1D	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503265
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:13 2021 Page 1

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Scale: 3/16"=1'

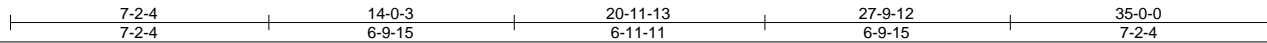
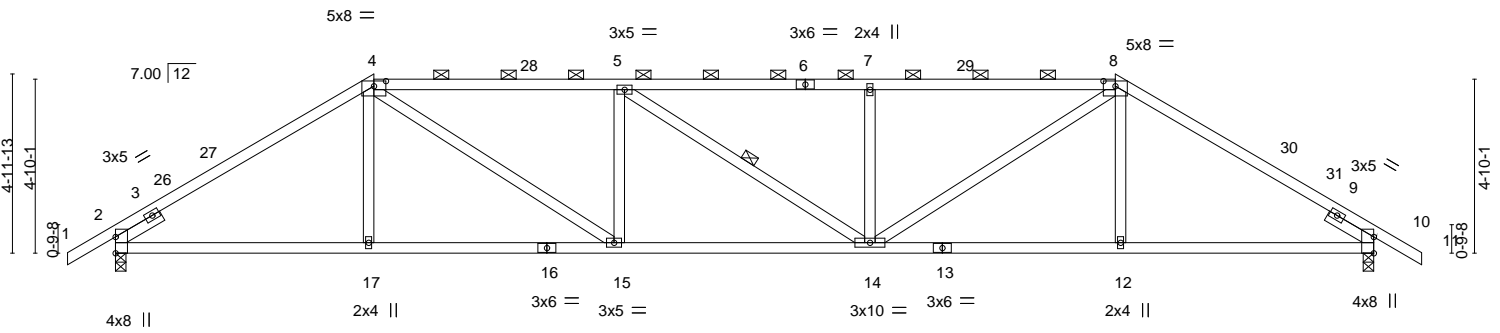


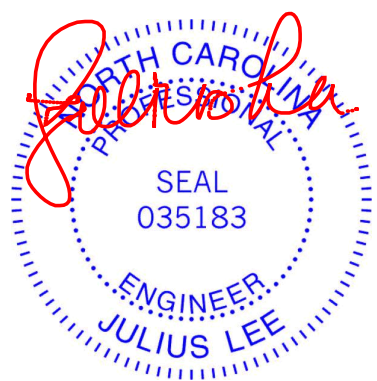
Plate Offsets (X, Y)--	[4:0-4-0,0-1-11], [8:0-4-0,0-1-11]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.79	Vert(LL) -0.17 12-14 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.76	Vert(CT) -0.36 14-15 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.48	Horz(CT) 0.12 10 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MS		Weight: 178 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP 2400F 2.0E *Except* 4-6,6-8: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 4-2-2 oc purlins, except 2-0-0 oc purlins (2-10-13 max.): 4-8.
BOT CHORD 2x4 SP No.1 *Except* 13-16: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-14
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 2=0-3-8, 10=0-3-8
 Max Horz 2=83(LC 11)
 Max Uplift 2=-44(LC 12), 10=-44(LC 12)
 Max Grav 2=1480(LC 1), 10=1480(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2129/41, 4-5=-2650/71, 5-7=-2648/70, 7-8=-2650/71, 8-10=-2129/41
 BOT CHORD 2-17=0/1749, 15-17=0/1747, 14-15=0/2649, 12-14=0/1747, 10-12=0/1749
 WEBS 4-15=-6/1160, 5-15=-494/89, 7-14=-469/89, 8-14=-5/1160

- 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=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 7-2-4, Exterior(2R) 7-2-4 to 11-5-3, Interior(1) 11-5-3 to 27-9-12, Exterior(2R) 27-9-12 to 32-0-11, Interior(1) 32-0-11 to 36-4-0 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
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 10. This connection is for uplift only and does not consider lateral forces.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

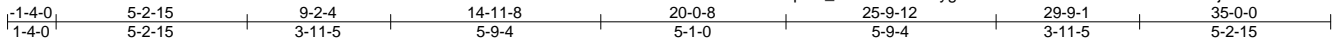


June 28, 2021

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Job 21030657-01	Truss H1C	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503266
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Carter Components (Lexington), Lexington, NC - 27295, 8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:12 2021 Page 1
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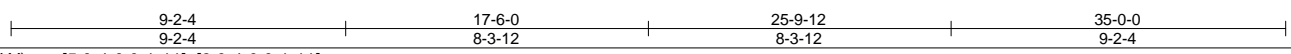
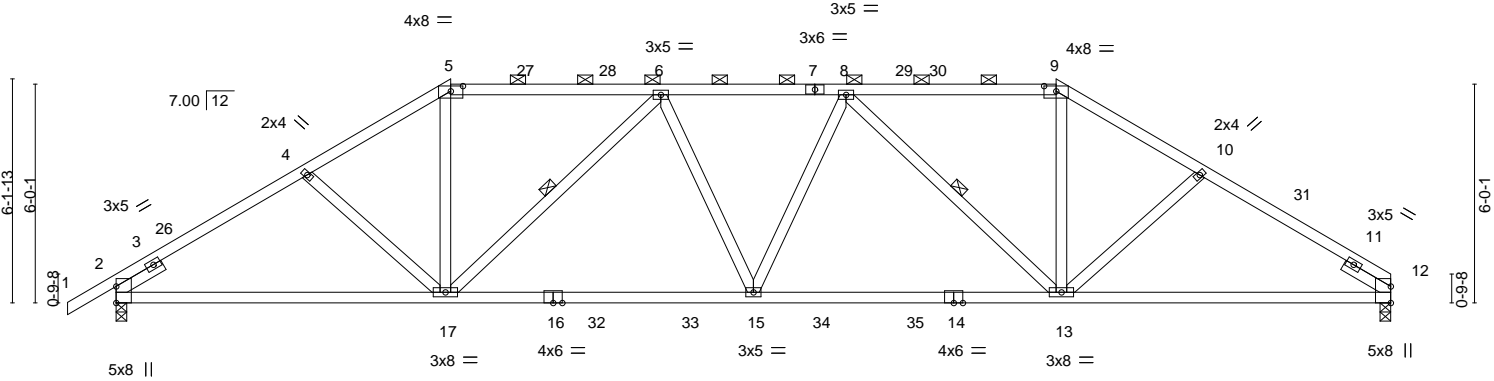


Plate Offsets (X,Y)-- [5:0-4-0,0-1-11], [9:0-4-0,0-1-11]

LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.96	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.84	Vert(LL) -0.24 13-15 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.33	Vert(CT) -0.42 13-15 >991 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.12 12 n/a n/a		
	Code IRC2018/TPI2014			Weight: 188 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-5: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-7-4 max.): 5-9.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 6-17, 8-13
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 12=0-3-8, 2=0-3-8
 Max Horz 2=100(LC 11)
 Max Uplift 12=-10(LC 12), 2=-44(LC 12)
 Max Grav 12=1568(LC 18), 2=1641(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2330/60, 4-5=-2191/60, 5-6=-1874/70, 6-8=-2427/70, 8-9=-1878/71,
 9-10=-2198/62, 10-12=-2341/64
 BOT CHORD 2-17=0/1985, 15-17=0/2383, 13-15=0/2366, 12-13=-0/1932
 WEBS 5-17=0/798, 6-17=-741/33, 8-13=-740/31, 9-13=0/805

- 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=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 9-2-4, Exterior(2R) 9-2-4 to 13-5-3, Interior(1) 13-5-3 to 25-9-12, Exterior(2R) 25-9-12 to 29-10-7, Interior(1) 29-10-7 to 35-0-0 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 12 and 2. This connection is for uplift only and does not consider lateral forces.
 - 7) 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.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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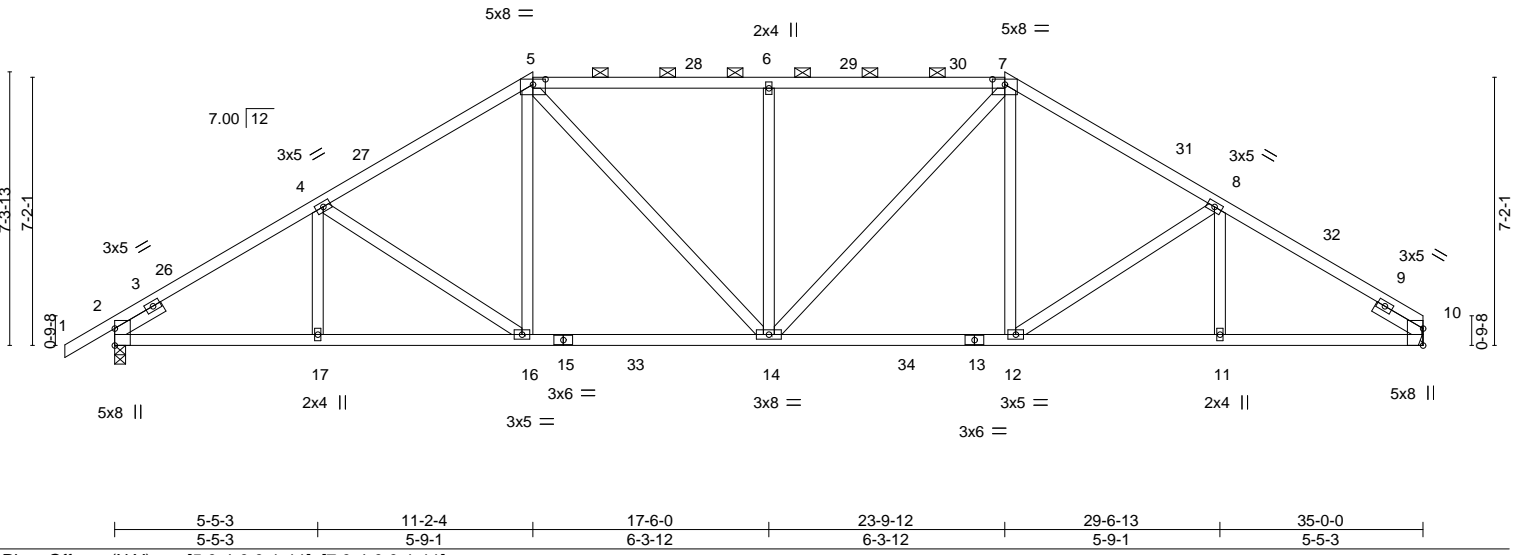
Job 21030657-01	Truss H1B	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503267
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:11 2021 Page 1
ID:F7Th11J3pJM_1WbQYc5iDLygfU6-G2yGQvjzJM3QL8iis5GN3JMNfJXqSlqkVjflL3gz1miQ



Scale = 1:61.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.99	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.91	Vert(LL) -0.16 12-14 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.42	Vert(CT) -0.30 12-14 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.12 10 n/a n/a		
	Code IRC2018/TPI2014			Weight: 202 lb	FT = 20%

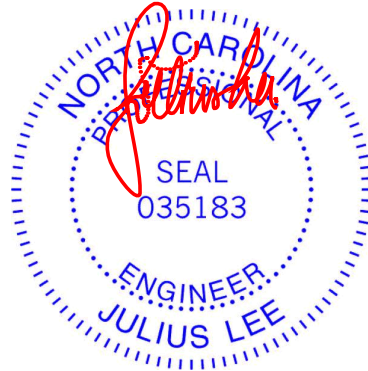
LUMBER-
 TOP CHORD 2x4 SP No.2 *Except*
 1-5: 2x4 SP No.1
 BOT CHORD 2x4 SP No.1 *Except*
 13-15: 2x4 SP No.2
 WEBS 2x4 SP No.3
 SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied, except
 2-0-0 oc purlins (3-8-4 max.): 5-7.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 10=Mechanical, 2=0-3-8
 Max Horz 2=120(LC 11)
 Max Uplift 10=-10(LC 12), 2=-44(LC 12)
 Max Grav 10=1574(LC 18), 2=1647(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2365/42, 4-5=-2100/80, 5-6=-2026/97, 6-7=-2026/97, 7-8=-2105/81,
 8-10=-2375/47
 BOT CHORD 2-17=0/2038, 16-17=0/2038, 14-16=0/1808, 12-14=0/1752, 11-12=0/1968, 10-11=0/1968
 WEBS 4-16=-263/60, 5-16=0/429, 5-14=-7/492, 6-14=-451/88, 7-14=-5/490, 7-12=0/435,
 8-12=-275/65

- 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=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-2-4, Exterior(2R) 11-2-4 to 15-5-3, Interior(1) 15-5-3 to 23-9-12, Exterior(2R) 23-9-12 to 28-0-11, Interior(1) 28-0-11 to 35-0-0 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 10.
 - 8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
 - 9) 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.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



June 28, 2021

Job 21030657-01	Truss H1A	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503268
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:10 2021 Page 1

ID:F7Th11J3pJM_1WbQYCSiDLygfU6-osOuDZiLY2xZj?jWINI8W6pCGwA2jHdaH3vnWEz1miR



Scale: 3/16"=1'

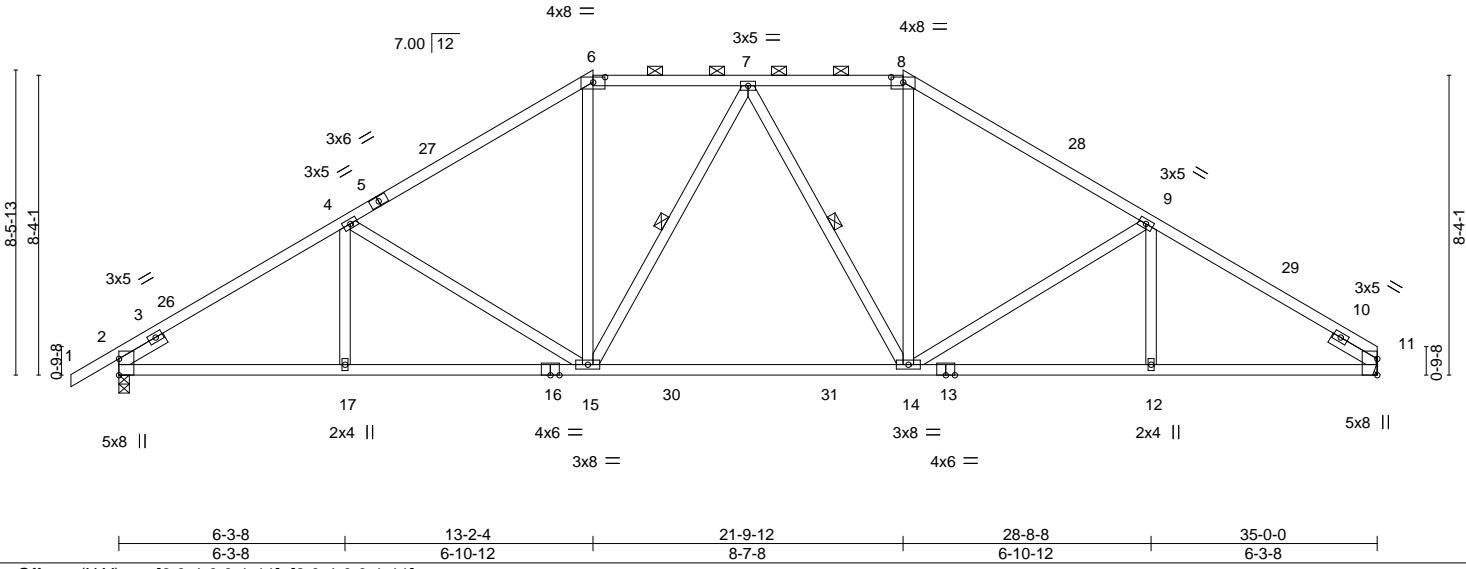


Plate Offsets (X, Y)--	[6:0-4-0,0-1-11], [8:0-4-0,0-1-11]
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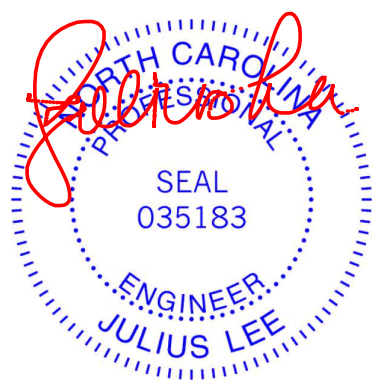
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.96	Vert(LL) -0.29 14-15 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 1.00	Vert(CT) -0.50 14-15 >837 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.50	Horz(CT) 0.12 11 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MS		Weight: 201 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 8-11,1-5: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-5-14 max.): 6-8.
BOT CHORD 2x4 SP No.1 *Except* 13-16: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 1-4-12 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 7-15, 7-14
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 11=Mechanical, 2=0-3-8
 Max Horz 2=139(LC 11)
 Max Uplift 11=-10(LC 12), 2=-44(LC 12)
 Max Grav 11=1565(LC 18), 2=1638(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2354/49, 4-6=-1968/88, 6-7=-1633/103, 7-8=-1635/104, 8-9=-1969/88,
 9-11=-2364/53
 BOT CHORD 2-17=0/2045, 15-17=0/2045, 14-15=0/1718, 12-14=0/1958, 11-12=0/1958
 WEBS 4-15=-416/79, 6-15=0/664, 7-15=-283/45, 7-14=-281/45, 8-14=0/664, 9-14=-426/83

- 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=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 13-2-4, Exterior(2R) 13-2-4 to 17-6-0, Interior(1) 17-6-0 to 21-9-12, Exterior(2R) 21-9-12 to 26-0-11, Interior(1) 26-0-11 to 35-0-0 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
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 11.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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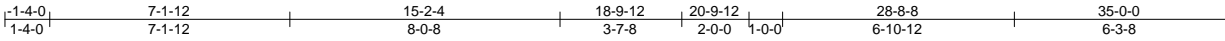
818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss
21030657-01	H1	ROOF SPECIAL	1	1	T24503269

Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:07 2021 Page 1

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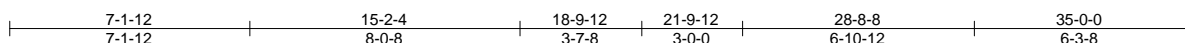
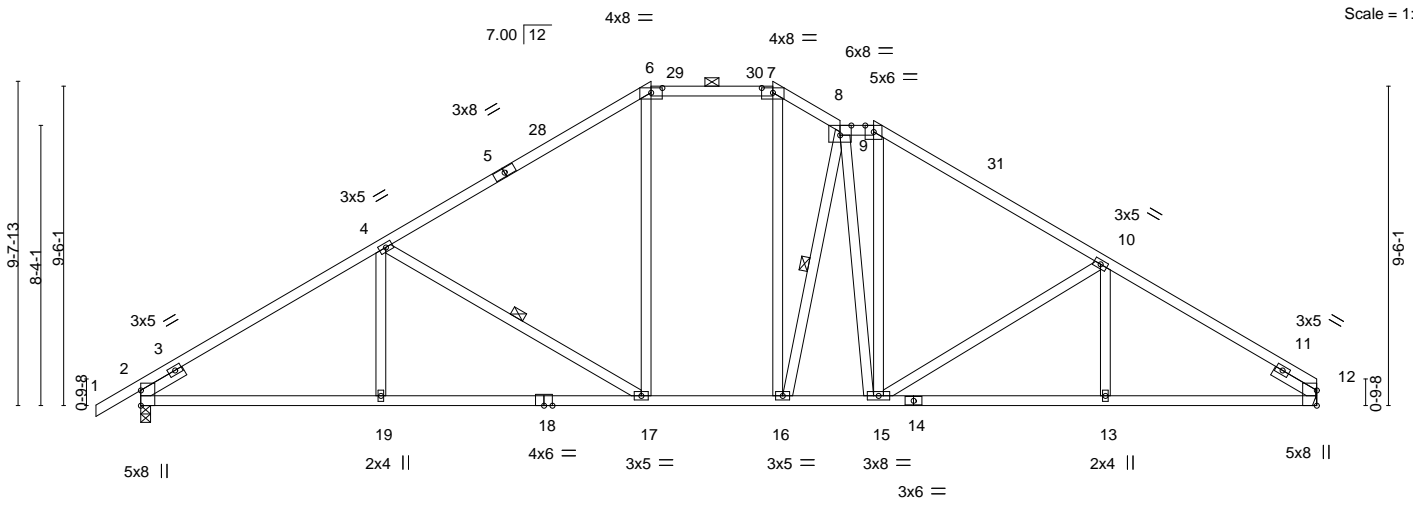


Plate Offsets (X,Y)--	[6:0-4-0,0-1-11], [7:0-4-0,0-1-11], [8:0-4-0,Edge]
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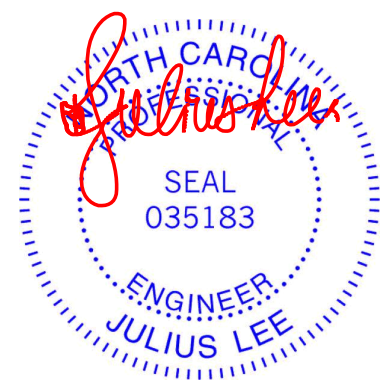
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.96	Vert(LL)	-0.34 17-19	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.97	Vert(CT)	-0.55 17-19	>759	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.53	Horz(CT)	0.12 12	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS					Weight: 218 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 6-7,7-8,8-9: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-4-4 max.): 6-7, 8-9.
BOT CHORD 2x4 SP No.1 *Except* 14-18: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 4-17, 8-16
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 12=Mechanical, 2=0-3-8
 Max Horz 2=159(LC 11)
 Max Uplift 12=-10(LC 12), 2=-44(LC 12)
 Max Grav 12=1558(LC 18), 2=1633(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2359/82, 4-6=-1803/133, 6-7=-1464/154, 7-8=-1703/166, 8-9=-1613/139,
 9-10=-1939/127, 10-12=-2361/81
 BOT CHORD 2-19=-13/2060, 17-19=-13/2060, 16-17=0/1519, 15-16=0/1636, 13-15=-10/1954,
 12-13=-10/1954
 WEBS 4-19=0/271, 4-17=-618/88, 6-17=0/546, 7-16=-52/710, 8-16=-711/79, 8-15=-265/110,
 9-15=0/529, 10-15=-448/75

- 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=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 15-2-4, Exterior(2R) 15-2-4 to 18-2-4, Interior(1) 18-2-4 to 18-9-12, Exterior(2E) 18-9-12 to 20-9-12, Interior(1) 20-9-12 to 21-9-12, Exterior(2R) 21-9-12 to 24-9-12, Interior(1) 24-9-12 to 35-0-0 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 12.
 - 8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
 - 9) 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.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



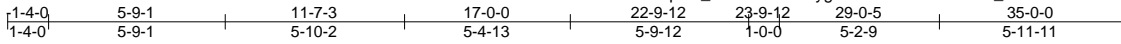
June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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 818 Soundside Road
 Edenton, NC 27932

Job 21030657-01	Truss T1E	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503270
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Job Reference (optional)
Carter Components (Lexington), Lexington, NC - 27295, 8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:49 2021 Page 1



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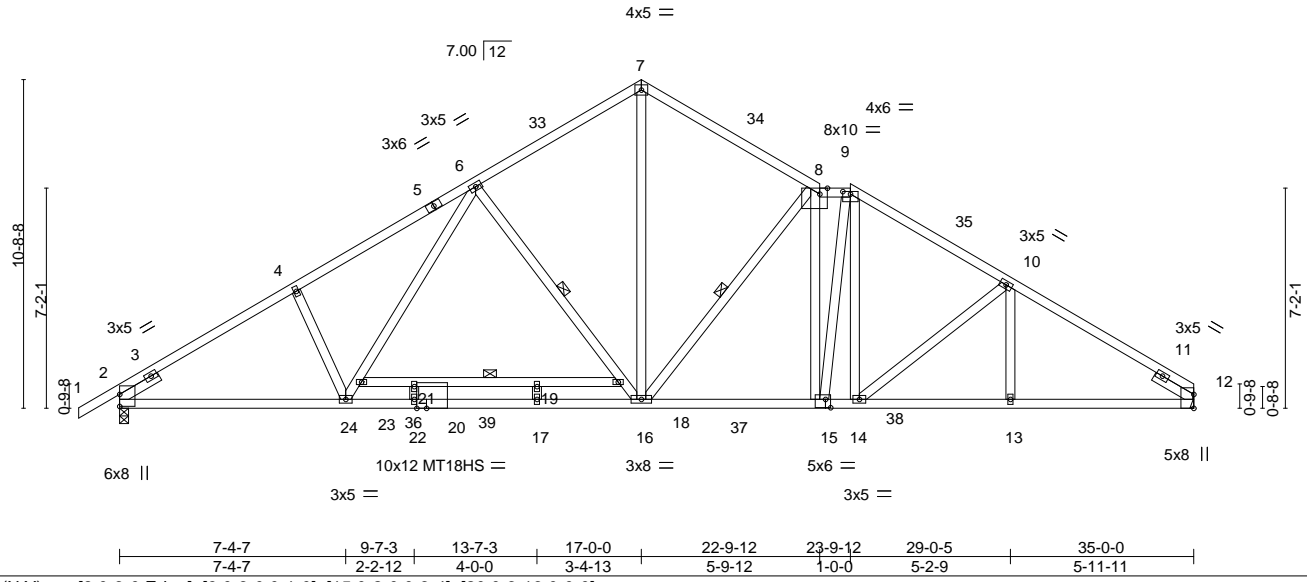


Plate Offsets (X, Y)--	[8:0-3-0,Edge], [9:0-3-0,0-1-0], [15:0-2-0,0-3-4], [20:0-3-13,0-0-0]
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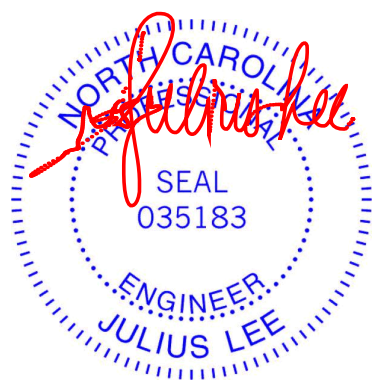
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.93	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.83	Vert(LL) -0.38 19-21 >999 240	MT18HS	244/190
BCLL 0.0 *	Lumber DOL 1.15	WB 0.69	Vert(CT) -0.95 19-21 >444 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.12 12 n/a n/a		
	Code IRC2018/TPI2014			Weight: 237 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 9-12: 2x4 SP No.1, 1-5: 2x4 SP 2400F 2.0E	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-9-2 max.): 8-9.
BOT CHORD 2x4 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 2x4 SP No.3 *Except* 7-16: 2x4 SP No.2	WEBS 6-0-0 oc bracing: 18-23 1 Row at midpt 6-16, 8-16
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 12=Mechanical, 2=0-3-8
Max Horz 2=179(LC 11)
Max Grav 12=1804(LC 18), 2=2117(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-3255/0, 4-6=-3135/0, 6-7=-2147/0, 7-8=-2159/0, 8-9=-2194/0, 9-10=-2503/0,
10-12=-2758/0
BOT CHORD 2-24=0/2814, 22-24=0/2469, 17-22=0/2469, 16-17=0/2469, 15-16=0/2215, 14-15=0/2132,
13-14=0/2288, 12-13=0/2288
WEBS 23-24=0/621, 6-23=0/894, 6-18=-787/0, 16-18=-1035/0, 7-16=0/1837, 8-16=-706/140,
8-15=-720/0, 9-15=0/542, 9-14=0/501

- 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=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 23-9-12, Exterior(2R) 23-9-12 to 26-9-12, Interior(1) 26-9-12 to 35-0-0 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) 350.0lb AC unit load placed on the bottom chord, 11-7-3 from left end, supported at two points, 4-0-0 apart.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) All plates are 2x4 MT20 unless otherwise indicated.
 - 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, with BCDL = 10.0psf.
 - 9) Refer to girder(s) for truss to truss connections.
 - 10) 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.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



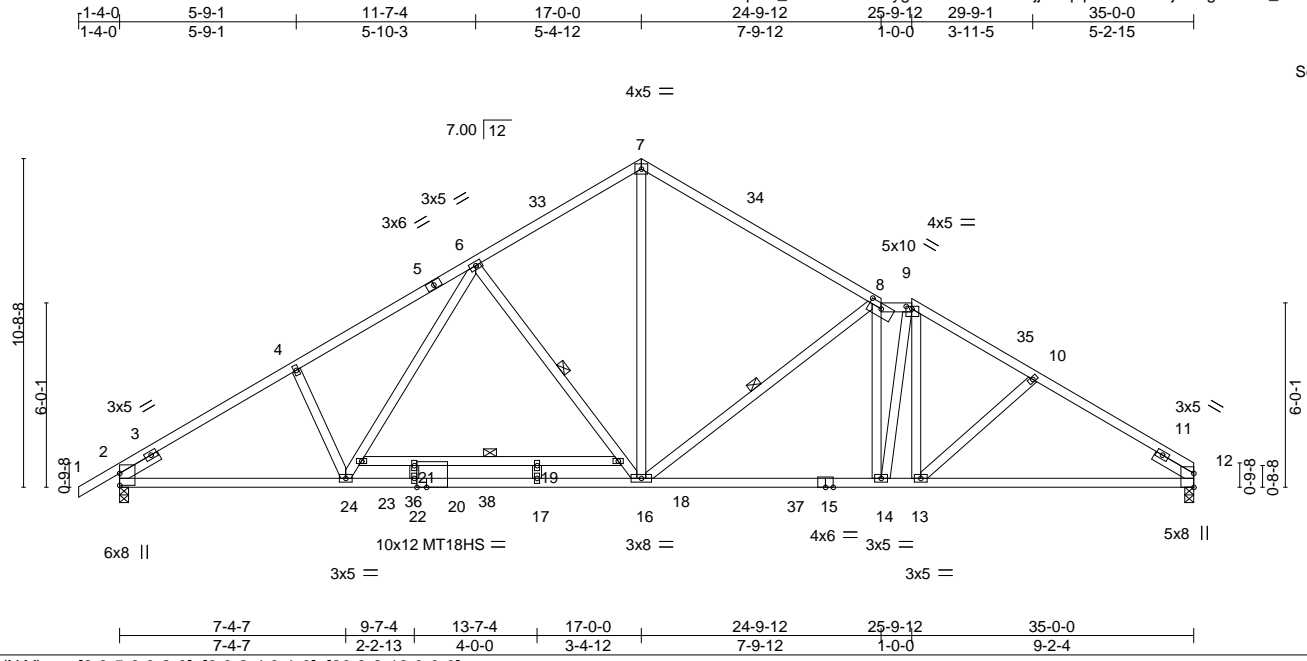
June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job 21030657-01	Truss T1D	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503271
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Carter Components (Lexington), Lexington, NC - 27295, 8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:48 2021 Page 1
 ID:F7Th11J3pJM_1WbQYC5iDLygfU6-hAhFBZAAcjAHqdpXMq236OjoEBgdRBA0_7or1z1mhr



Scale = 1:75.1

Plate Offsets (X,Y)--	[8:0-5-0,0-2-0], [9:0-2-4,0-1-0], [20:0-3-13,0-0-0]
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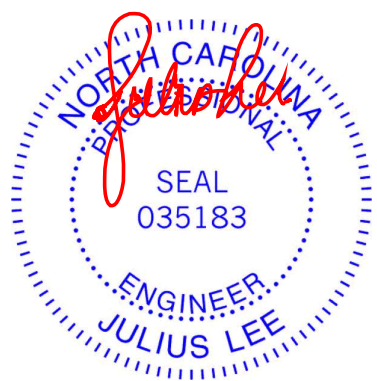
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.89	Vert(LL)	-0.37 19-21	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.83	Vert(CT)	-0.94 19-21	>448	180	MT18HS	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.60	Horz(CT)	0.11 12	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS						
								Weight: 225 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 7-8,1-5: 2x4 SP 2400F 2.0E, 9-12: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (3-5-11 max.): 8-9.
BOT CHORD 2x4 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 2x4 SP No.3 *Except* 7-16: 2x4 SP No.2	WEBS 6-0-0 oc bracing: 18-23 1 Row at midpt 6-16, 8-16
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 12=0-3-8, 2=0-3-8
 Max Horz 2=179(LC 11)
 Max Grav 12=1811(LC 18), 2=2117(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-3255/0, 4-6=-3135/0, 6-7=-2147/0, 7-8=-2191/0, 8-9=-2423/0, 9-10=-2619/0, 10-12=-2753/0
 BOT CHORD 2-24=0/2814, 22-24=0/2467, 17-22=0/2467, 16-17=0/2467, 14-16=0/2400, 13-14=0/2238, 12-13=0/2280
 WEBS 23-24=0/624, 6-23=0/897, 6-18=-780/0, 16-18=-1028/0, 7-16=0/1790, 8-16=-829/133, 8-14=-874/0, 9-14=-1/946, 9-13=0/268

- 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=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 25-9-12, Exterior(2R) 25-9-12 to 28-9-12, Interior(1) 28-9-12 to 35-0-0 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) 350.0lb AC unit load placed on the bottom chord, 11-7-4 from left end, supported at two points, 4-0-0 apart.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) All plates are 2x4 MT20 unless otherwise indicated.
 - 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, with BCDL = 10.0psf.
 - 9) 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.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



June 28, 2021

Job 21030657-01	Truss T1B	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503273
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:45 2021 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-Hb?7ZX7iJoLbQNuErEtLRUmC418zQ?UkK0u8Fiz1mhu



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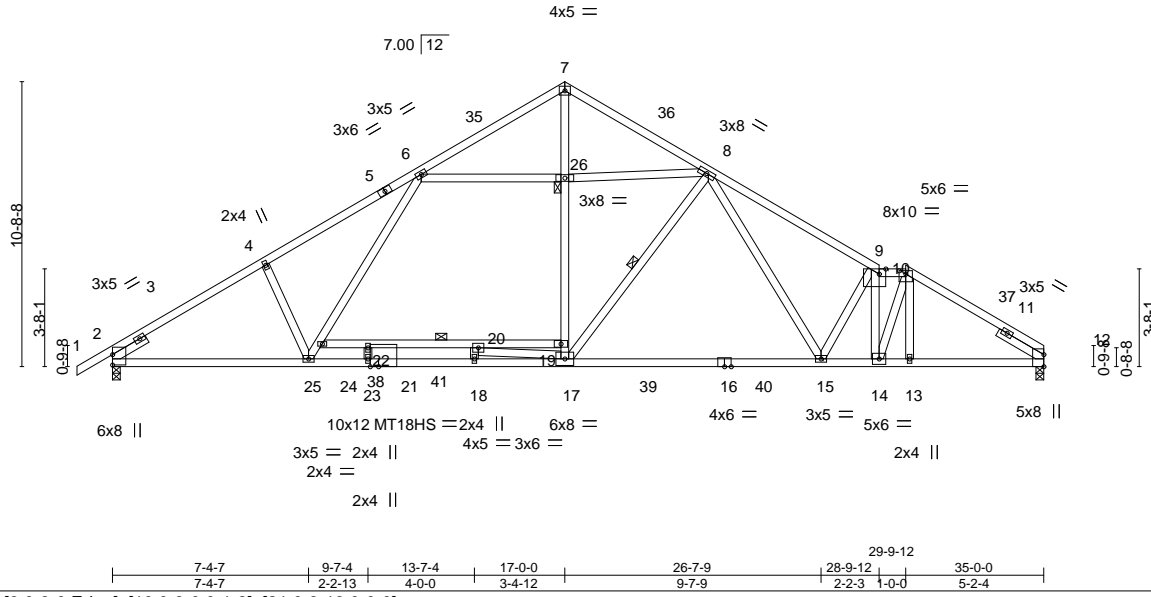


Plate Offsets (X,Y)--	[9:0-3-0,Edge], [10:0-3-0,0-1-8], [21:0-3-13,0-0-0]
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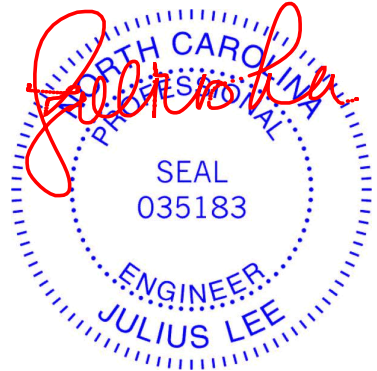
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.92	Vert(LL)	-0.38	18-23	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.96	Vert(CT)	-0.88	18-23	>477	MT18HS	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.98	Horz(CT)	0.12	12	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS						
								Weight: 233 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 10-12: 2x4 SP No.1, 1-5: 2x4 SP 2400F 2.0E	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-3-12 max.): 9-10.
BOT CHORD 2x4 SP 2400F 2.0E *Except* 19-24: 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 5-5-0 oc bracing: 19-24
WEBS 2x4 SP No.3 *Except* 6-25,8-15: 2x4 SP No.2, 7-17: 2x4 SP No.1	WEBS 1 Row at midpt 8-17
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 2-0-0	JOINTS 1 Brace at Jt(s): 26

REACTIONS.
(size) 12=0-3-8, 2=0-3-8 Max Horz 2=179(LC 11) Max Grav 12=1877(LC 18), 2=2194(LC 17)

FORCES.
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-4=-3380/0, 4-6=-3259/0, 6-7=-1486/0, 7-8=-1512/0, 8-9=-3174/0, 9-10=-2949/0, 10-12=-2873/0 BOT CHORD 2-25=0/2920, 23-25=0/2849, 18-23=0/2849, 17-18=0/2849, 15-17=0/2295, 14-15=0/2865, 13-14=0/2411, 12-13=0/2407, 22-24=-455/0, 20-22=-455/0, 19-20=0/756 WEBS 24-25=0/454, 6-24=0/825, 17-19=0/1094, 19-26=0/1159, 7-26=0/1240, 8-17=-325/324, 8-15=-9/762, 9-15=-437/76, 9-14=-1534/0, 10-14=0/1643, 6-26=-1341/2, 8-26=-1220/62, 17-20=-1236/0

- 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=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 29-9-12, Exterior(2R) 29-9-12 to 32-9-12, Interior(1) 32-9-12 to 35-0-0 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
 - 350.0lb AC unit load placed on the bottom chord, 11-7-4 from left end, supported at two points, 4-0-0 apart.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



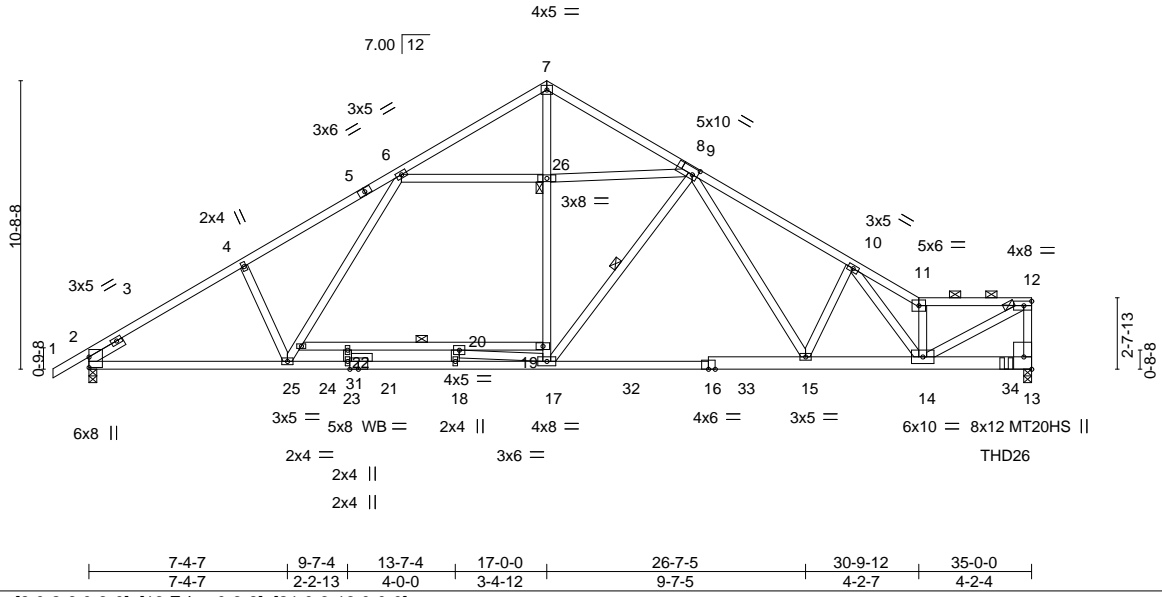
June 28,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss
21030657-01	T1GR	ROOF SPECIAL GIRDER	1	1	T24503274

Carter Components (Lexington), Lexington, NC - 27295, 8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:50 2021 Page 1



Scale = 1:85.5

Plate Offsets (X,Y)--	[8:0-2-6,0-3-0], [13:Edge,0-3-8], [21:0-3-13,0-0-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.97	Vert(LL) -0.24	18-23	>999	240	MT20	184/190
TCDL 10.0	Lumber DOL 1.15	BC 0.96	Vert(CT) -0.75	18-23	>555	180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr NO	WB 0.94	Horz(CT) 0.08	13	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MS						
							Weight: 243 lb	FT = 20%

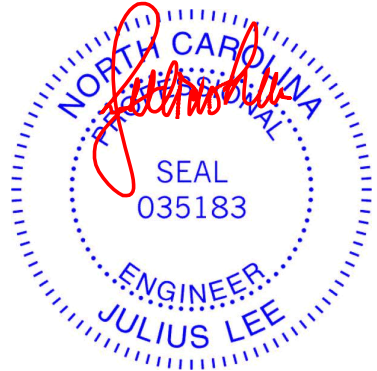
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-5: 2x4 SP 2400F 2.0E	TOP CHORD Structural wood sheathing directly applied or 2-1-0 oc purlins, except end verticals, and 2-0-0 oc purlins (3-1-7 max.): 11-12.
BOT CHORD 2x4 SP 2400F 2.0E *Except* 13-16: 2x6 SP No.2, 19-24: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 5-5-0 oc bracing: 19-24
WEBS 2x4 SP No.3 *Except* 7-17: 2x4 SP No.1, 12-14: 2x4 SP No.2	WEBS 1 Row at midpt 9-17
OTHERS 2x4 SP No.3	JOINTS 1 Brace at Jt(s): 12, 26
SLIDER Left 2x4 SP No.3 1-6-0	

REACTIONS. (size) 13=0-3-8, 2=0-3-8
 Max Horz 2=211(LC 7)
 Max Grav 13=2558(LC 2), 2=2073(LC 31)

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

TOP CHORD	BOT CHORD	WEBS
2-4=-3161/0, 4-6=-3042/0, 6-7=-1356/0, 7-9=-1372/0, 9-10=-3075/0, 10-11=-3488/0, 11-12=-2908/0, 12-13=-1808/0	2-25=0/2736, 23-25=0/2609, 18-23=0/2609, 17-18=0/2609, 15-17=0/2184, 14-15=0/2756, 22-24=-364/0, 20-22=-364/0, 19-20=0/634	24-25=0/472, 6-24=0/775, 17-19=0/992, 19-26=0/1027, 7-26=0/1104, 9-17=-354/289, 9-15=0/846, 10-15=-473/45, 10-14=0/482, 11-14=-1834/0, 12-14=0/3262, 6-26=-1293/0, 9-26=-1191/52, 17-20=-1019/0

- 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=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 350.0lb AC unit load placed on the bottom chord, 11-7-4 from left end, supported at two points, 4-0-0 apart.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Use MiTek THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent at 34-0-12 from the left end to connect truss(es) to back face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 60 lb down and 16 lb up at 34-0-12 from the left end to connect truss(es) to back face of bottom chord. The design/selection of such connection device(s) is the responsibility of others.



June 28, 2021

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 Edenton, NC 27932

Job 21030657-01	Truss T1GR	Truss Type ROOF SPECIAL GIRDER	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503274 Job Reference (optional)
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:50 2021 Page 2
ID:F7Th11J3pJM_1WbQYC5iDLygfU6-dYo0cEBR8LzuW8nCenTW8XT102q45GLTTHcvwwz1mhp

NOTES-

13) 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=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-7=-60, 7-11=-60, 11-12=-60, 13-27=-20, 19-24=-20

Concentrated Loads (lb)

Vert: 12=-41 18=-175 23=-175 34=-728(B)

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818 Soundside Road
Edenton, NC 27932

Job 21030657-01	Truss T1AS	Truss Type COMMON	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503275
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:44 2021 Page 1

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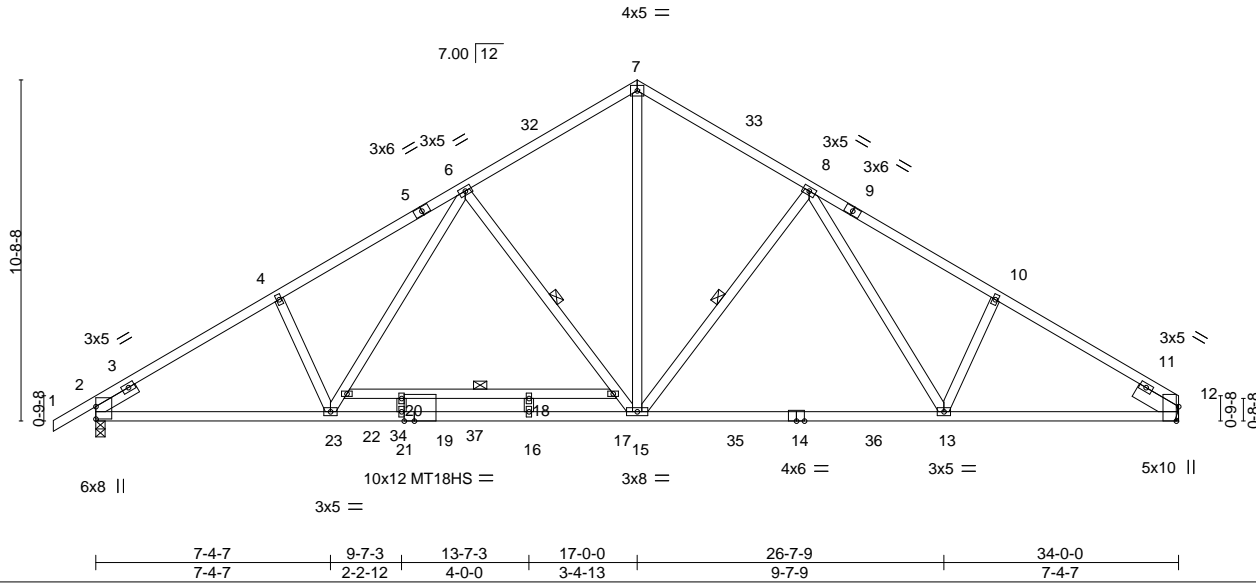


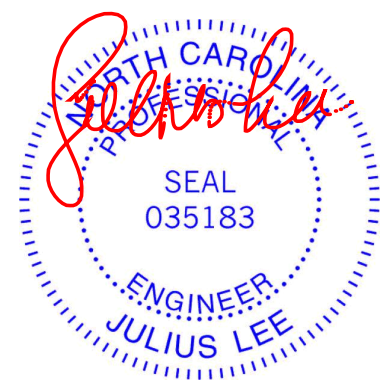
Plate Offsets (X,Y)-- [12:0-5-7,Edge], [19:0-3-13,0-0-0]						
LOADING (psf)	SPACING-	CSI.	DEFL.		PLATES	GRIP
TCLL 20.0	2-0-0	TC 1.00	in (loc) l/defl L/d		MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.90	Vert(LL) -0.35 16-21 >999 240		MT18HS	244/190
BCLL 0.0 *	Lumber DOL 1.15	WB 0.49	Vert(CT) -0.90 16-21 >453 180			
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.12 12 n/a n/a			
	Code IRC2018/TPI2014				Weight: 208 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-5: 2x4 SP 2400F 2.0E, 9-12: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 2x4 SP No.3 *Except* 7-15: 2x4 SP No.2	WEBS 6-0-0 oc bracing: 17-22 1 Row at midpt 8-15, 6-15
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x6 SP No.2 1-6-0	

REACTIONS. (size) 2=0-3-8, 12=Mechanical
 Max Horz 2=179(LC 11)
 Max Grav 2=2074(LC 17), 12=1788(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-3177/0, 4-6=-3057/0, 6-7=-2078/0, 7-8=-2077/0, 8-10=-2646/0, 10-12=-2759/0
 BOT CHORD 2-23=0/2748, 21-23=0/2400, 16-21=0/2400, 15-16=0/2400, 13-15=0/2031, 12-13=0/2285
 WEBS 7-15=0/1782, 8-15=-561/136, 8-13=-52/448, 6-17=-789/0, 15-17=-1025/0, 22-23=0/619,
 6-22=0/889

- 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 B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 34-0-0 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) 350.0lb AC unit load placed on the bottom chord, 11-7-3 from left end, supported at two points, 4-0-0 apart.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) All plates are 2x4 MT20 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, with BCDL = 10.0psf.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) 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.



June 28, 2021

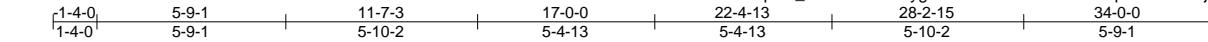
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 818 Soundside Road
 Edenton, NC 27932

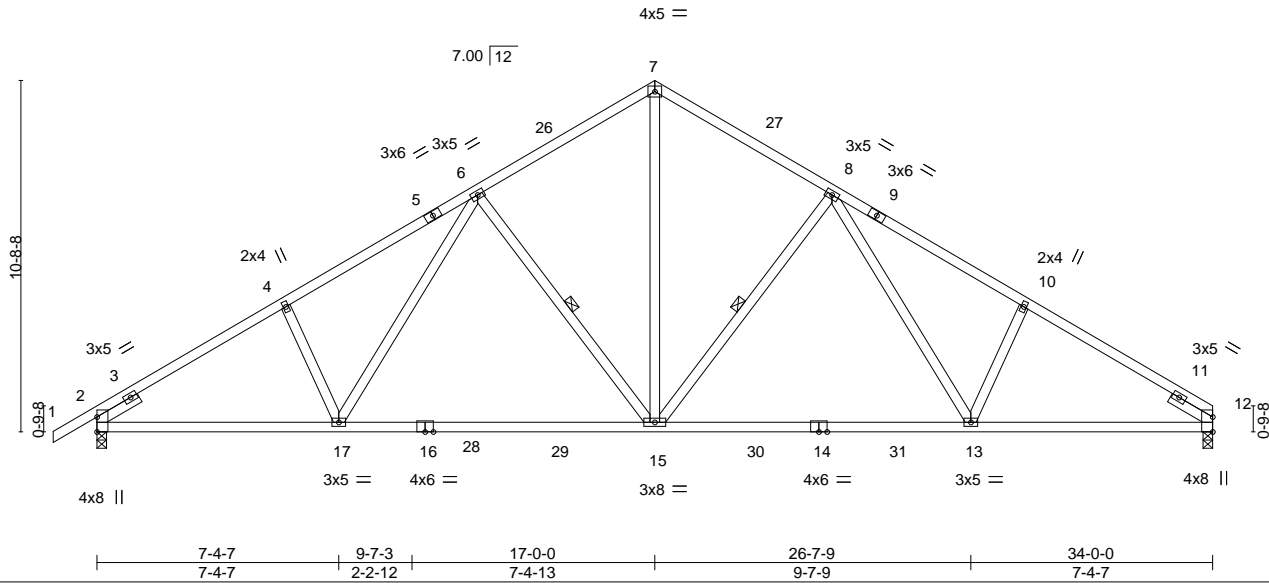
Job 21030657-01	Truss T1A	Truss Type COMMON	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503276
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:43 2021 Page 1
ID:F7Th11J3pJM_1WbQYc5iDLygfU6-KCtM8r62nB5uB3lskprtM3ht2DSjyGJRsiP1Aqz1mhw



Scale = 1:70.2



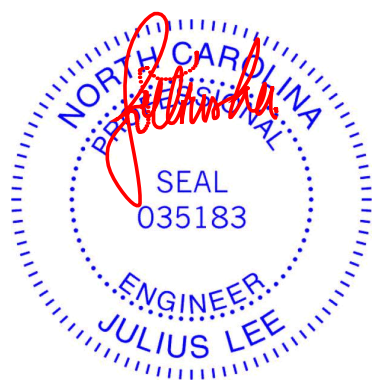
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.89	Vert(LL)	-0.32 15-17	>999 240	MT20	244/190
BCDL 10.0	Lumber DOL	1.15	BC 0.94	Vert(CT)	-0.56 15-17	>730 180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.32	Horz(CT)	0.11 12	n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS				Weight: 193 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-5,9-12: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 7-15: 2x4 SP No.2	WEBS 1 Row at midpt 8-15, 6-15
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 2=0-3-8, 12=0-3-8
Max Horz 2=179(LC 11)
Max Uplift 2=-44(LC 12), 12=-9(LC 12)
Max Grav 2=1620(LC 17), 12=1546(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2341/61, 4-6=-2229/108, 6-7=-1597/138, 7-8=-1596/139, 8-10=-2239/113,
10-12=-2351/66
BOT CHORD 2-17=-3/2054, 15-17=0/1720, 13-15=0/1638, 12-13=-1/1938
WEBS 7-15=-51/1297, 8-15=-598/111, 8-13=0/528, 6-15=-594/111, 6-17=0/517

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 34-0-0 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, with BCDL = 10.0psf.
 - 5) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.
 - 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.



June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

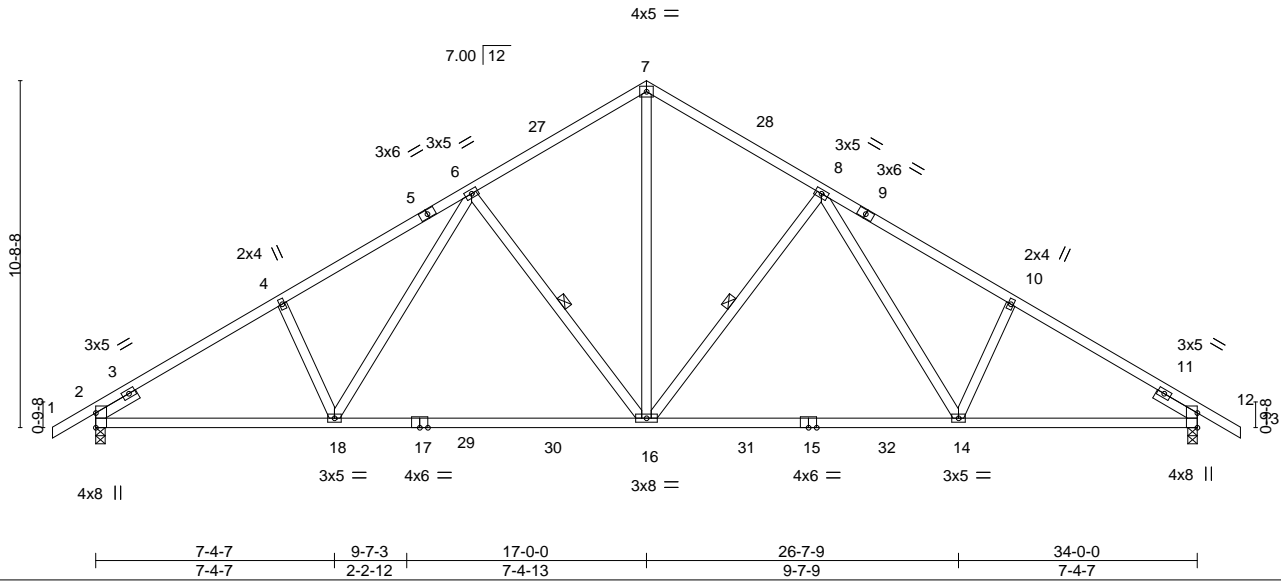
Job 21030657-01	Truss T1	Truss Type COMMON	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503277
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:42 2021 Page 1
ID:F7Th11J3pJM_1WbQYC5iDLygfU6-s0J_xV5P0tz1ZvAfA6JepR8iKp6UDp4le2gUeNz1mhx



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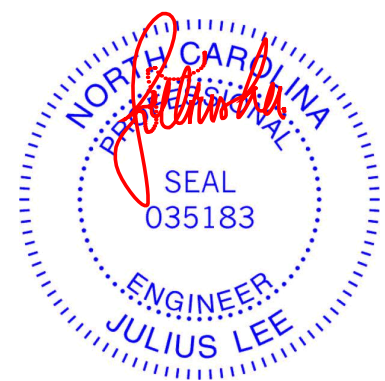
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.89	Vert(LL)	-0.32 14-16	>999	240	MT20	244/190
BCDL 10.0	Lumber DOL	1.15	BC 0.94	Vert(CT)	-0.56 14-16	>730	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.32	Horz(CT)	0.11 12	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS					Weight: 195 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-5,9-13: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 7-16: 2x4 SP No.2	WEBS 1 Row at midpt 8-16, 6-16
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 2=0-3-8, 12=0-3-8
 Max Horz 2=-182(LC 10)
 Max Uplift 2=-43(LC 12), 12=-43(LC 12)
 Max Grav 2=1618(LC 17), 12=1618(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2339/60, 4-6=-2227/108, 6-7=-1594/138, 7-8=-1594/138, 8-10=-2227/108, 10-12=-2339/60
 BOT CHORD 2-18=0/2059, 16-18=0/1726, 14-16=0/1642, 12-14=0/1923
 WEBS 7-16=-50/1295, 8-16=-594/111, 8-14=0/517, 6-16=-594/111, 6-18=0/517

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 35-4-0 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, with BCDL = 10.0psf.
 - 5) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.
 - 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.



June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

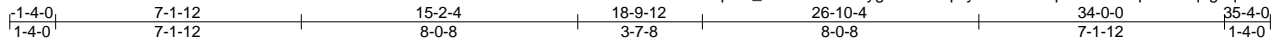
ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job 21030657-01	Truss H1S	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503278
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:31 2021 Page 1

ID:F7Th1J3pJM_1WbQYc5iDLygfU6-hu9qdlyWcVabkDqY1ld3tXBnpNLH8q2g6qVomWz1mi6



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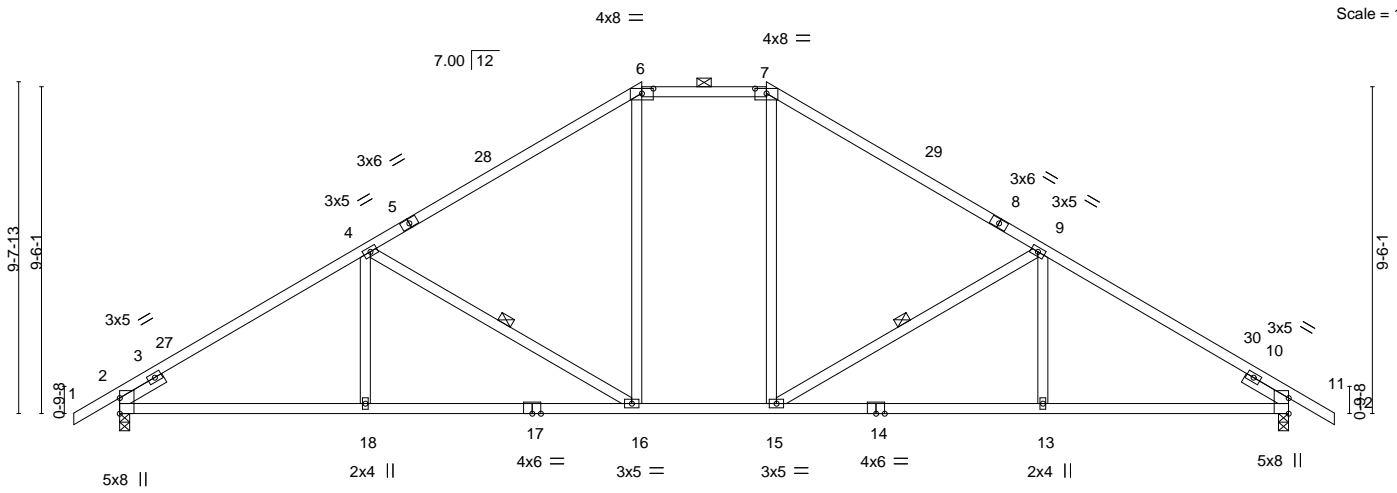


Plate Offsets (X,Y)--	[6:0-4-0,0-1-11], [7:0-4-0,0-1-11]
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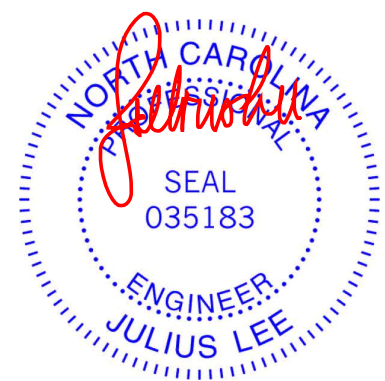
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.97	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.98	Vert(LL) -0.40 13-15 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.27	Vert(CT) -0.59 13-15 >689 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.12 11 n/a n/a		
	Code IRC2018/TPI2014			Weight: 184 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 6-7: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-8-8 max.): 6-7.
BOT CHORD 2x4 SP No.1 *Except* 14-17: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 4-16, 9-15
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 2=0-3-8, 11=0-3-8
 Max Horz 2=-163(LC 10)
 Max Uplift 2=-43(LC 12), 11=-43(LC 12)
 Max Grav 2=1587(LC 17), 11=1587(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2281/49, 4-6=-1725/102, 6-7=-1393/121, 7-9=-1725/102, 9-11=-2281/49
 BOT CHORD 2-18=0/2003, 16-18=0/2003, 15-16=0/1449, 13-15=0/1881, 11-13=0/1881
 WEBS 4-18=0/273, 4-16=-633/83, 6-16=0/524, 7-15=0/524, 9-15=-633/83, 9-13=0/273

- 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=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 15-2-4, Exterior(2E) 15-2-4 to 18-9-12, Exterior(2R) 18-9-12 to 23-0-11, Interior(1) 23-0-11 to 35-4-0 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
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

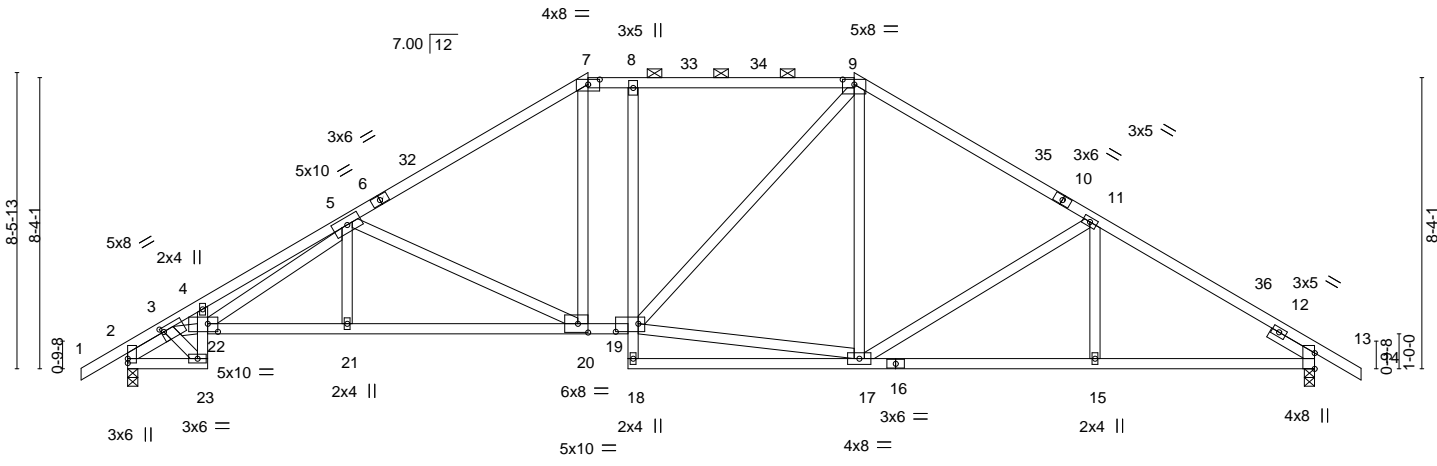
ENGINEERING BY
TRENCO
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 818 Soundside Road
 Edenton, NC 27932

Job 21030657-01	Truss H1RA	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503279
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Carter Components (Lexington), Lexington, NC - 27295, 8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:24 2021 Page 1

1-4-0	1-2-0	2-3-8	6-3-7	13-2-4	14-4-0	20-9-12	27-8-8	34-0-0	35-4-0
1-4-0	1-2-0	1-1-8	3-11-15	6-10-13	1-1-12	6-5-12	6-10-12	6-3-8	1-4-0

Scale = 1:66.0



2-3-8	6-3-7	13-2-4	14-4-0	20-9-12	27-8-8	34-0-0
2-3-8	3-11-15	6-10-13	1-1-12	6-5-12	6-10-12	6-3-8

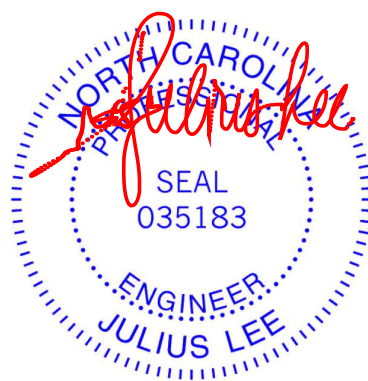
Plate Offsets (X,Y)-- [3:0-0-15,0-1-8], [7:0-4-0,0-1-11], [9:0-4-0,0-1-11], [19:0-7-12,0-2-12], [20:0-3-8,0-3-0], [22:0-3-8,0-2-12]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.90	Vert(LL)	-0.16	19	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.93	Vert(CT)	-0.32	17-18	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.82	Horz(CT)	0.23	13	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS						
								Weight: 217 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-6,10-14: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-4-11 max.): 7-9.
BOT CHORD 2x4 SP No.2 *Except* 8-18: 2x4 SP No.3, 13-16: 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 19-20.
WEBS 2x4 SP No.3 *Except* 3-22: 2x4 SP No.2	
SLIDER Left 2x4 SP No.3 1-4-5, Right 2x4 SP No.3 1-6-0	
REACTIONS. (size) 2=0-3-8, 13=0-3-8 Max Horz 2=143(LC 11) Max Uplift 2=43(LC 12), 13=43(LC 12) Max Grav 2=1440(LC 1), 13=1440(LC 1)	

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-449/0, 3-4=-3597/0, 4-5=-3805/2, 5-7=-1942/74, 7-8=-1574/92, 8-9=-1590/95, 9-11=-1706/89, 11-13=-2058/47
BOT CHORD 2-23=0/1202, 22-23=0/1093, 21-22=0/2292, 20-21=0/2292, 19-20=0/1572, 8-19=-270/44, 17-18=0/281, 15-17=0/1697, 13-15=0/1697
WEBS 3-23=-1384/0, 5-22=0/1250, 5-21=0/262, 5-20=-780/62, 7-20=0/654, 17-19=0/1167, 9-19=-12/417, 9-17=0/306, 11-17=-382/75, 3-22=0/2788

- 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=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 2-0-14, Interior(1) 2-0-14 to 13-2-4, Exterior(2R) 13-2-4 to 17-11-15, Interior(1) 17-11-15 to 20-9-12, Exterior(2R) 20-9-12 to 25-7-7, Interior(1) 25-7-7 to 35-4-0 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
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 13. This connection is for uplift only and does not consider lateral forces.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

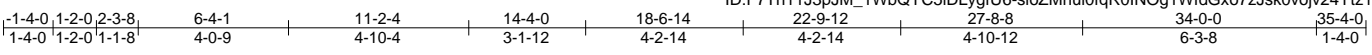


June 28,2021

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.</p> <p>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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p>	<p>ENGINEERING BY</p> <p>TRENCO</p> <p>A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job 21030657-01	Truss H1RB	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503280
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Carter Components (Lexington), Lexington, NC - 27295, 8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:25 2021 Page 1
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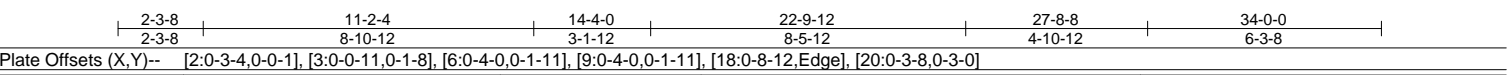
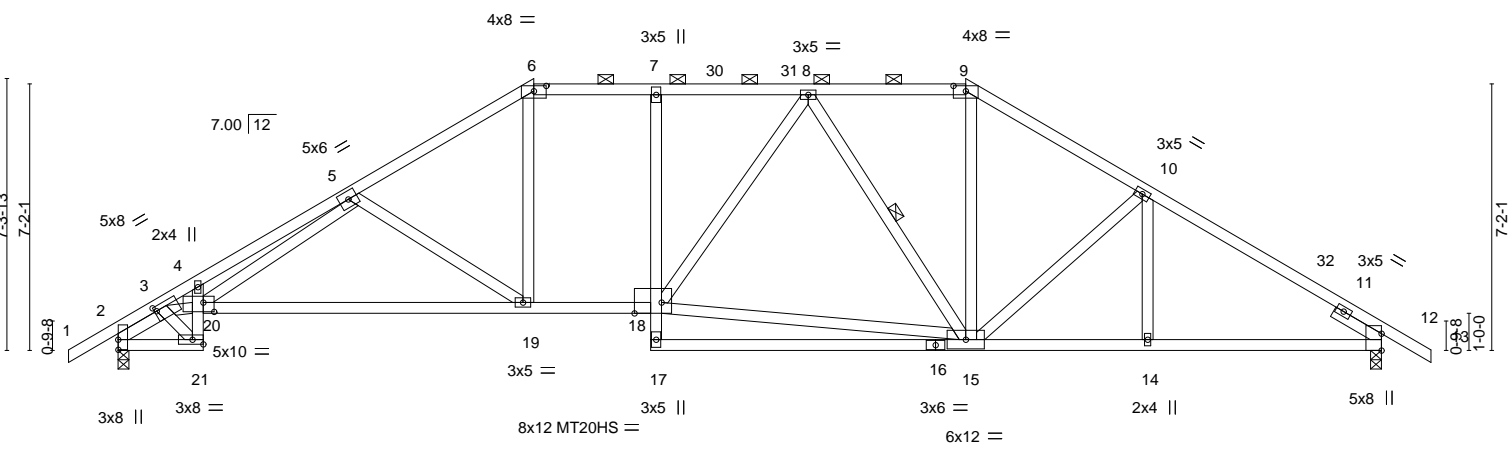


Plate Offsets (X, Y)-- [2:0-3-4,0-0-1], [3:0-0-11,0-1-8], [6:0-4-0,0-1-11], [9:0-4-0,0-1-11], [18:0-8-12,Edge], [20:0-3-8,0-3-0]					
LOADING (psf)	SPACING 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.86	Vert(LL) -0.33 15-17 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.92	Vert(CT) -0.64 15-17 >638 180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.76	Horz(CT) 0.21 12 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MS		Weight: 213 lb	FT = 20%

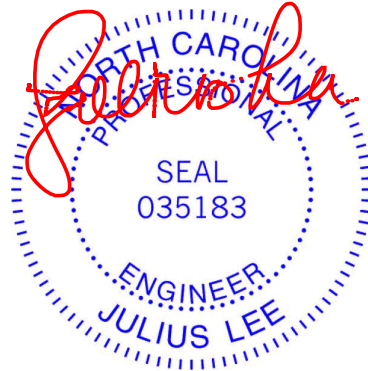
LUMBER-
 TOP CHORD 2x4 SP No.1 *Except*
 6-9: 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 18-20,12-16: 2x4 SP 2400F 2.0E
 WEBS 2x4 SP No.3 *Except*
 3-20: 2x4 SP No.2
 SLIDER Left 2x4 SP No.3 1-4-5, Right 2x4 SP No.3 1-6-0

REACTIONS. (size) 2=0-3-8, 12=0-3-8
 Max Horz 2=123(LC 11)
 Max Uplift 2=43(LC 12), 12=43(LC 12)
 Max Grav 2=1593(LC 17), 12=1580(LC 18)

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-4-12 oc purlins, except
 2-0-0 oc purlins (2-5-6 max.): 6-9.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 2-2-0 oc bracing: 17-18.
 WEBS 1 Row at midpt 8-15

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-527/0, 3-4=-4179/0, 4-5=-4563/0, 5-6=-2409/58, 6-7=-2031/72, 7-8=-2052/75,
 8-9=-1662/84, 9-10=-1969/76, 10-12=-2225/49
 BOT CHORD 2-21=0/1436, 20-21=0/1356, 19-20=0/2564, 18-19=0/2078, 15-17=0/529, 14-15=0/1830,
 12-14=0/1830
 WEBS 3-21=-1703/0, 5-20=0/1822, 5-19=-553/83, 6-19=0/847, 15-18=0/1502, 8-15=-592/35,
 9-15=0/735, 10-15=-274/71, 3-20=0/3347

- 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=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 2-0-14, Interior(1) 2-0-14 to 11-2-4, Exterior(2R) 11-2-4 to 15-11-15, Interior(1) 15-11-15 to 22-9-12, Exterior(2R) 22-9-12 to 27-8-8, Interior(1) 27-8-8 to 35-4-0 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
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - 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.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



June 28,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



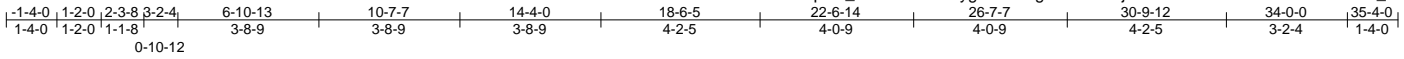
818 Soundside Road
 Edenton, NC 27932

Job 21030657-01	Truss H1GRR	Truss Type HIP GIRDER	Qty 1	Ply 2	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503284
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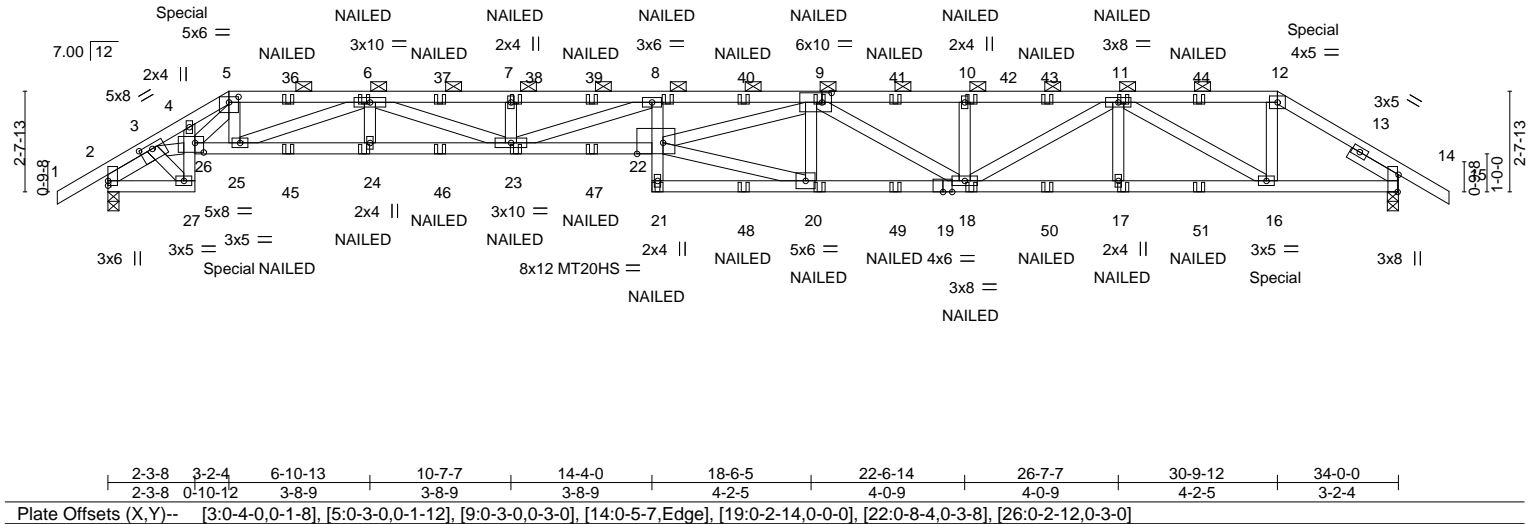
Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:23 2021 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-wMgox?sVU2ajn?D0ZcUBYrsVb9e0G68VgBZzU_z1miE



Scale = 1:60.7



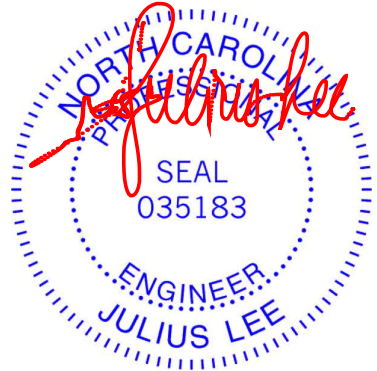
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.15	TC 0.67	Vert(LL)	-0.51	22	>794	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.88	Vert(CT)	-1.04	22	>392	180	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	NO	WB 0.71	Horz(CT)	0.25	14	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS							
									Weight: 372 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-6-12 oc purlins, except
BOT CHORD 2x4 SP No.2 *Except* 22-26: 2x4 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 20-22,9-22: 2x4 SP No.2	
SLIDER Left 2x4 SP No.3 1-4-5, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 2=0-3-8, 14=0-3-8
 Max Horz 2=-45(LC 25)
 Max Uplift 2=-161(LC 8), 14=-153(LC 8)
 Max Grav 2=1767(LC 1), 14=1755(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-808/48, 3-4=-4480/305, 4-5=-4622/325, 5-6=-3843/291, 6-7=-8537/608,
 7-8=-8537/608, 8-9=-9314/653, 9-10=-5109/366, 10-11=-5109/366, 11-12=-2088/177,
 12-14=-2460/194
 BOT CHORD 2-27=-75/1501, 26-27=-56/1294, 25-26=-203/3678, 24-25=-414/6573, 23-24=-414/6573,
 22-23=-606/9833, 8-22=0/302, 20-21=-45/812, 18-20=-338/5695, 17-18=-224/3995,
 16-17=-224/3995, 14-16=-98/2015
 WEBS 3-27=-1659/86, 5-26=-24/604, 5-25=-122/1549, 6-25=-2930/212, 6-23=-126/2099,
 8-23=-1380/77, 20-22=-286/4897, 9-22=-268/3930, 9-20=-1150/135, 9-18=-697/57,
 11-18=-78/1295, 11-16=-2218/141, 12-16=-57/1178, 3-26=-191/3451

- NOTES-**
- 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.
 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.
 - 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.
 - 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=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 14. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and conform to standard ANSI/TPI 1.



June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job 21030657-01	Truss H1GRR	Truss Type HIP GIRDER	Qty 1	Ply 2	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503284 Job Reference (optional)
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:23 2021 Page 2

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-wMgox?sVU2ajn?D0ZcUBYrsVb9e0G68VGbZzU_z1miE

NOTES-

- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 126 lb down and 30 lb up at 3-2-4, and 152 lb down and 45 lb up at 30-9-12 on top chord, and 153 lb down and 70 lb up at 3-2-4, and 172 lb down and 61 lb up at 30-9-0 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=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-5=-60, 5-12=-60, 12-15=-60, 27-28=-20, 22-26=-20, 21-32=-20

Concentrated Loads (lb)

Vert: 5=-29(B) 12=-25(B) 8=-10(B) 25=-153(B) 6=-6(B) 24=-19(B) 23=-19(B) 7=-6(B) 20=-7(B) 22=-7(B) 9=-10(B) 10=-10(B) 18=-7(B) 17=-7(B) 16=-172(B) 11=-10(B) 36=-6(B) 37=-6(B) 39=-6(B) 40=-10(B) 41=-10(B) 43=-10(B) 44=-10(B) 45=-19(B) 46=-19(B) 47=-19(B) 48=-7(B) 49=-7(B) 50=-7(B) 51=-7(B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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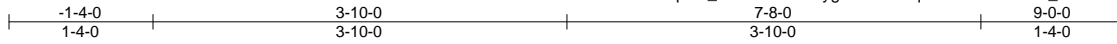
818 Soundside Road
Edenton, NC 27932

Job 21030657-01	Truss T2G	Truss Type COMMON SUPPORTED GAB	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503285
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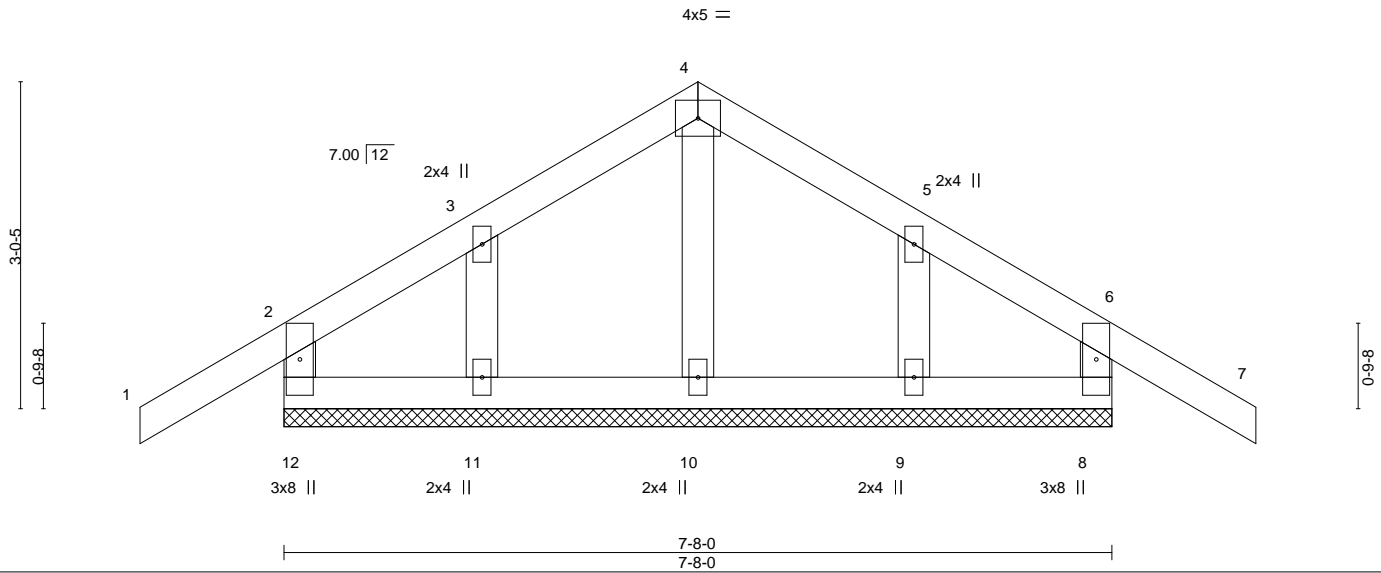
Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:51 2021 Page 1

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Scale = 1:21.3



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.17	Vert(LL)	-0.01	7	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	-0.01	7	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	8	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-R					Weight: 38 lb	FT = 20%

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

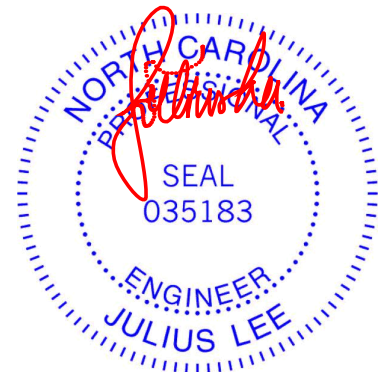
BRACING-
TOP CHORD Structural wood sheathing directly applied or 7-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 7-8-0.
(lb) - Max Horz 12=67(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 12, 8, 11, 9
Max Grav All reactions 250 lb or less at joint(s) 12, 8, 10, 11, 9

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-4-0 to 1-10-0, Exterior(2N) 1-10-0 to 3-10-0, Corner(3R) 3-10-0 to 6-10-0, Exterior(2N) 6-10-0 to 9-0-0 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) 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) Gable requires continuous bottom chord bearing.
- 5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 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) N/A
- 10) 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.



June 28, 2021

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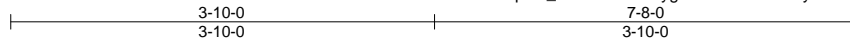
ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job 21030657-01	Truss T2GR	Truss Type Common Girder	Qty 1	Ply 2	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503286
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:52 2021 Page 1

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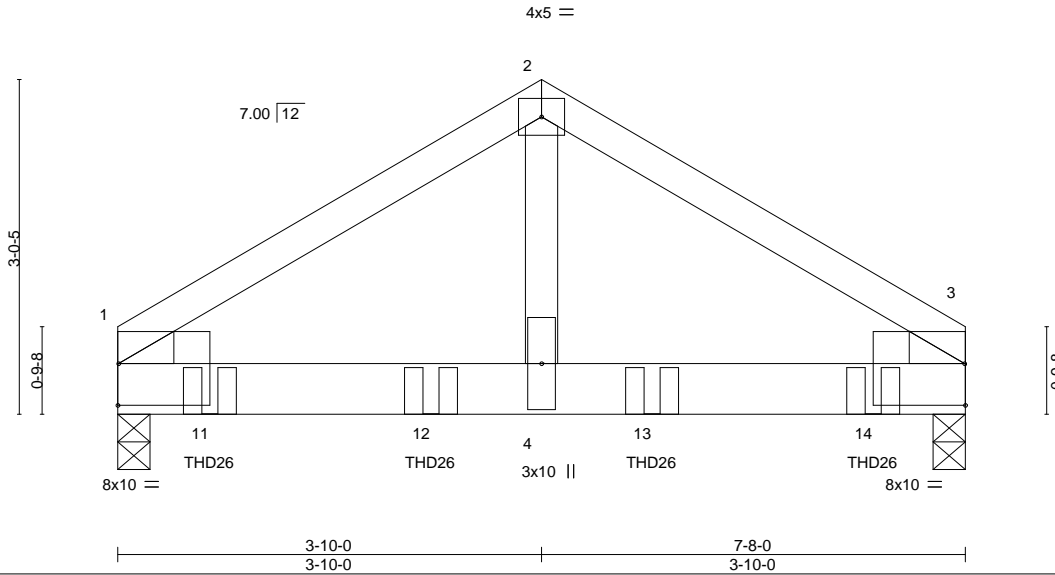


Plate Offsets (X,Y)--	[1:Edge,0-4-8], [3:Edge,0-4-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.18	Vert(LL) -0.02 4-10 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.74	Vert(CT) -0.04 4-10 >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.61	Horz(CT) 0.01 1 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MP		Weight: 73 lb	FT = 20%

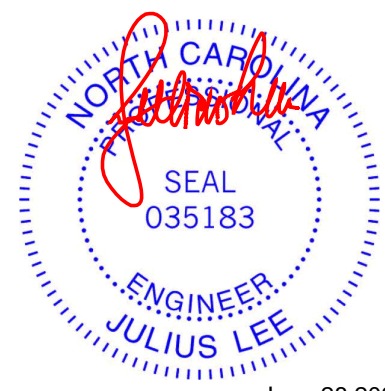
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3 , Right: 2x4 SP No.3	

REACTIONS.	(size) 1=0-3-8, 3=0-3-8
	Max Horz 1=-38(LC 25)
	Max Grav 1=3302(LC 2), 3=3486(LC 2)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-3142/0, 2-3=-3138/0
BOT CHORD	1-4=0/2687, 3-4=0/2687
WEBS	2-4=0/2952

- NOTES-**
- 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.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - 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=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - 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.
 - Use MiTek THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 0-10-0 from the left end to 6-10-0 to connect truss(es) to back face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 5-8=-20



June 28, 2021

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932

Job 21030657-01	Truss T2GR	Truss Type Common Girder	Qty 1	Ply 2	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503286 Job Reference (optional)
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:52 2021 Page 2
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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 11=-1380(B) 12=-1378(B) 13=-1378(B) 14=-1556(B)

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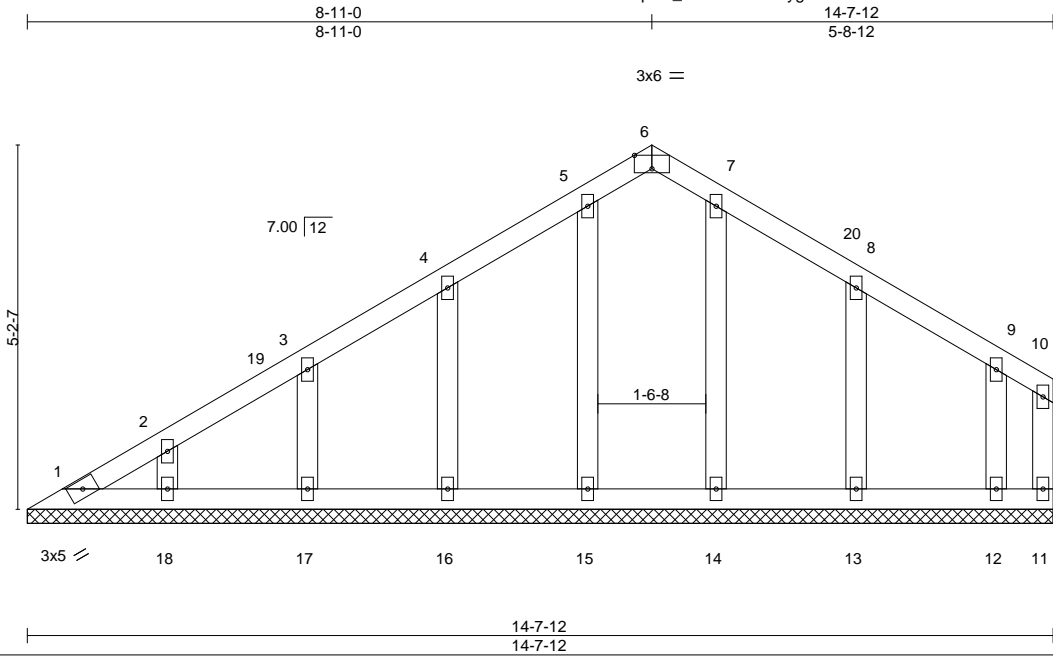
818 Soundside Road
Edenton, NC 27932

Job 21030657-01	Truss V2	Truss Type GABLE	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503287
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Carter Components (Lexington),

Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:54 2021 Page 1
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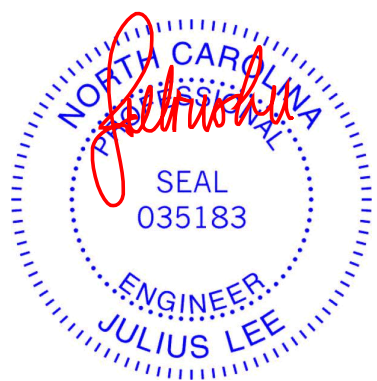
Plate Offsets (X,Y)--	[6:0-3-0,Edge]						
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.15	TC 0.08	Vert(LL)	n/a	-	n/a 999
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	n/a	-	n/a 999
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	11	n/a n/a
BCDL 10.0	Code IRC2018/TPI2014		Matrix-S				
							PLATES
							MT20
							GRIP
							244/190
							Weight: 76 lb
							FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
OTHERS	2x4 SP No.3		

REACTIONS. All bearings 14-7-12.
 (lb) - Max Horz 1=104(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 16, 17, 18, 13, 12
 Max Grav All reactions 250 lb or less at joint(s) 1, 11, 15, 16, 17, 18, 14, 13, 12

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 B; Enclosed; MWFRS (directional) and C-C Corner(3E) 0-6-8 to 3-6-8, Exterior(2N) 3-6-8 to 8-11-0, Corner(3R) 8-11-0 to 11-10-0, Exterior(2N) 11-10-0 to 14-6-0 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 Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - 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) 1.
 - N/A
 - 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.



June 28, 2021

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.</p> <p>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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p>	<p>ENGINEERING BY TRENCO A MiTek Affiliate</p> <p>818 Soundside Road Edenton, NC 27932</p>
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Job 21030657-01	Truss V2B	Truss Type Valley	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503289
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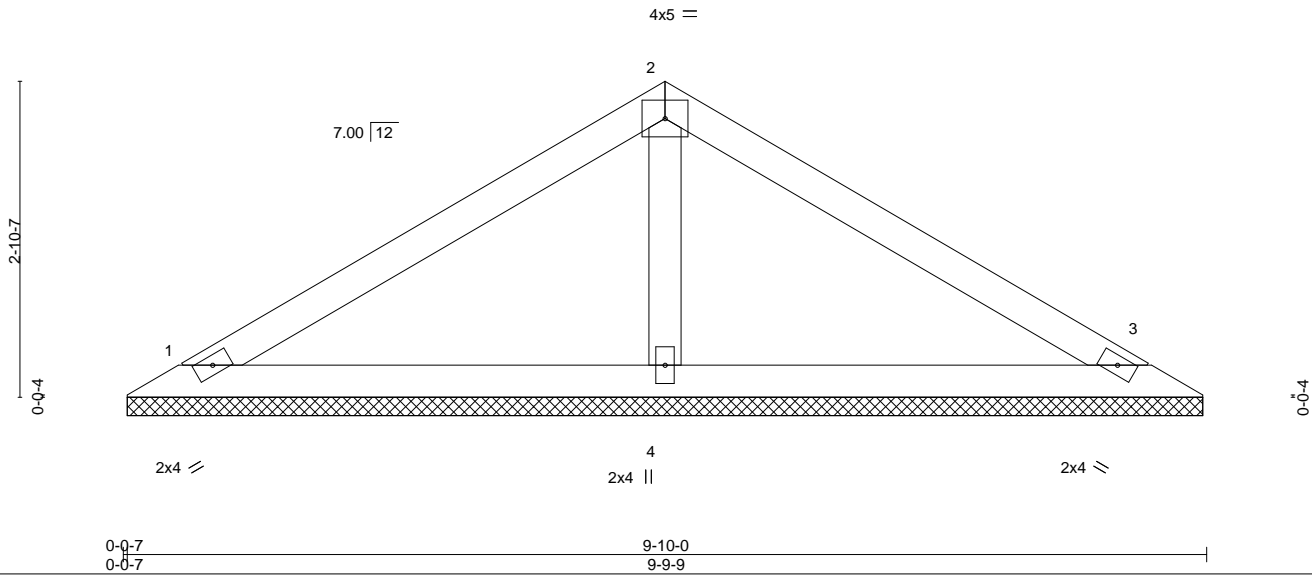
Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:55 2021 Page 1

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Scale = 1:20.9



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.27	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.19	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.05	Horz(CT)	0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S					Weight: 33 lb	FT = 20%
	Code IRC2018/TPI2014							

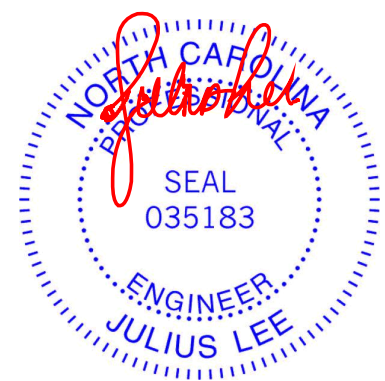
LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 OTHERS 2x4 SP No.3

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

REACTIONS. (size) 1=9-9-2, 3=9-9-2, 4=9-9-2
 Max Horz 1=43(LC 11)
 Max Uplift 1=-11(LC 12), 3=-11(LC 12)
 Max Grav 1=166(LC 1), 3=166(LC 1), 4=369(LC 1)

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 4-11-0, Exterior(2R) 4-11-0 to 7-11-0, Interior(1) 7-11-0 to 9-3-8 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) Gable requires continuous bottom chord bearing.
 - 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) 1, 3.
 - 7) 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.



June 28, 2021

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ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job 21030657-01	Truss V2C	Truss Type Valley	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503290
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Carter Components (Lexington), Lexington, NC - 27295,

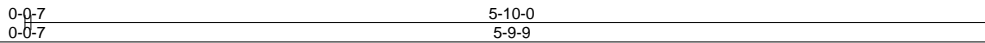
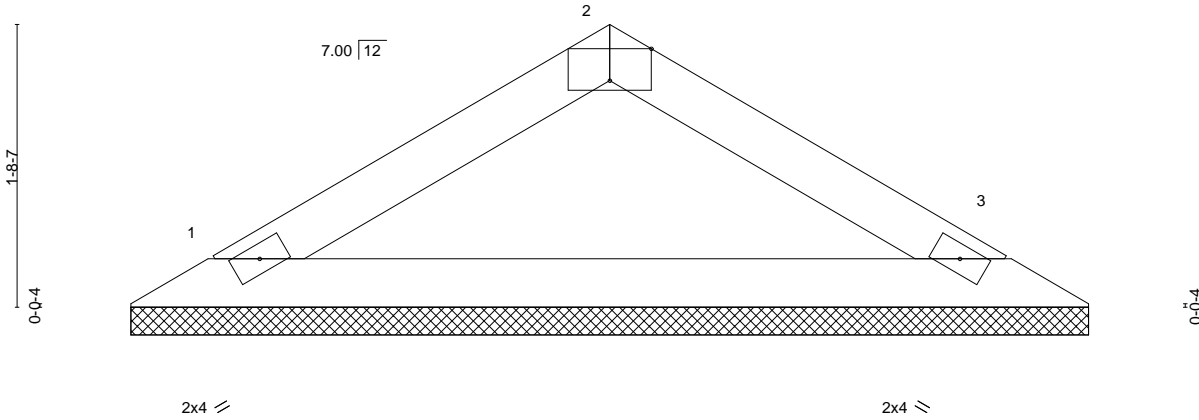
8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:56 2021 Page 1

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3x6 =

Scale = 1:13.9



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.10	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.29	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a		
	Code IRC2018/TPI2014			Weight: 17 lb	FT = 20%

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

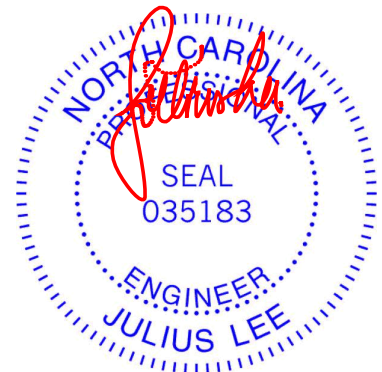
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-9-2, 3=5-9-2
Max Horz 1=24(LC 10)
Max Uplift 1=-1(LC 12), 3=-1(LC 12)
Max Grav 1=190(LC 1), 3=190(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 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) Gable requires continuous bottom chord bearing.
- 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) 1, 3.
- 7) 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.



June 28, 2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
Edenton, NC 27932

Job 21030657-01	Truss J1G	Truss Type JACK-OPEN SUPPORTED	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503292
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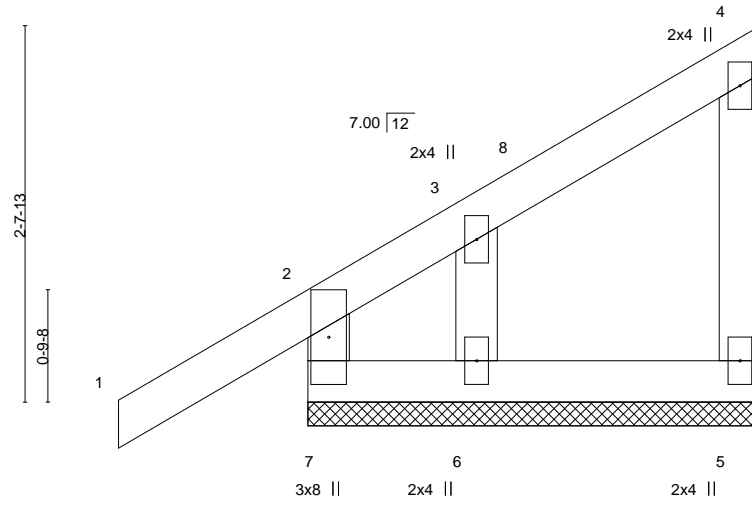
Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:34 2021 Page 1

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Scale = 1:16.2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.21	Vert(LL)	0.00	1	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.06	Vert(CT)	-0.00	1	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-R						
								Weight: 18 lb	FT = 20%

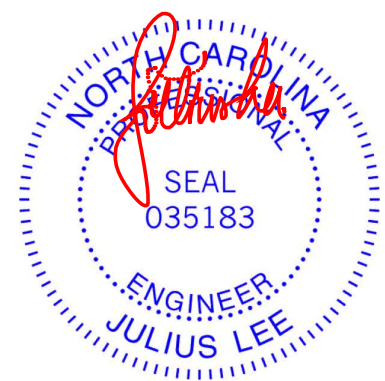
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-2-4 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

REACTIONS. (size) 5=3-2-4, 7=3-2-4, 6=3-2-4
 Max Horz 7=77(LC 9)
 Max Uplift 5=-6(LC 9), 7=-39(LC 12), 6=-28(LC 9)
 Max Grav 5=70(LC 17), 7=184(LC 1), 6=88(LC 17)

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

NOTES-

- 1) 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 B; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-4-0 to 1-8-0, Exterior(2N) 1-8-0 to 3-0-8 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
- 2) 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.
- 3) Gable requires continuous bottom chord bearing.
- 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 5) Gable studs spaced at 2-0-0 oc.
- 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) N/A
- 9) 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.



June 28, 2021

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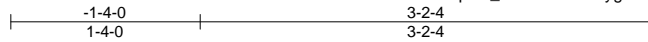
Job 21030657-01	Truss J1	Truss Type JACK-OPEN	Qty 25	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503293
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Carter Components (Lexington),

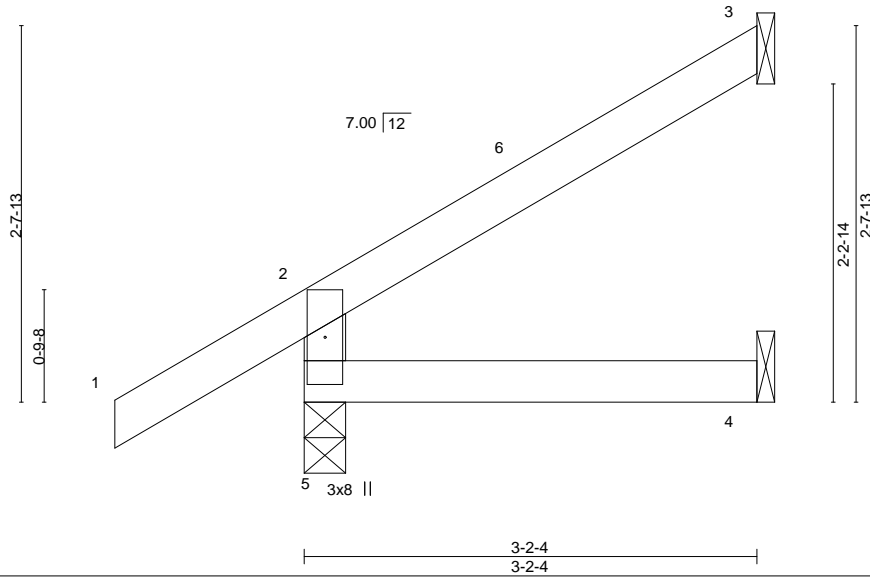
Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:33 2021 Page 1

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Scale = 1:16.2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.15	Vert(LL)	-0.00	4-5	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.08	Vert(CT)	-0.01	4-5	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01	3	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MR					Weight: 13 lb	FT = 20%

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

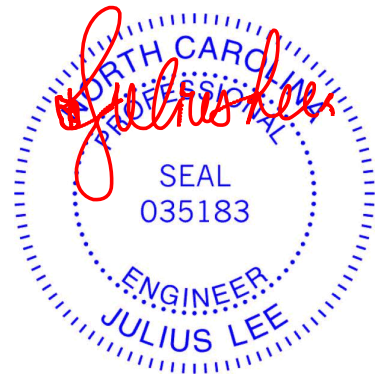
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-2-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-8, 3=Mechanical, 4=Mechanical
 Max Horz 5=86(LC 12)
 Max Uplift 5=24(LC 12), 3=25(LC 12)
 Max Grav 5=230(LC 1), 3=71(LC 17), 4=54(LC 3)

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

NOTES-

- 1) 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 B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 3-1-8 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
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 3.
- 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5 and 4. This connection is for uplift only and does not consider lateral forces.
- 7) 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.



June 28, 2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

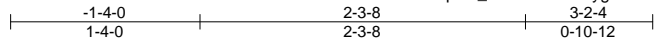


818 Soundside Road
 Edenton, NC 27932

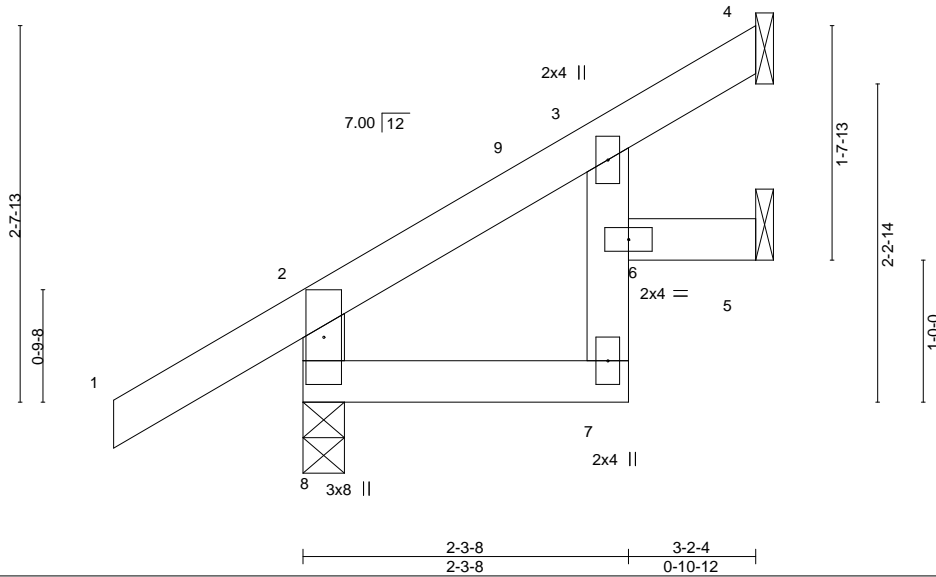
Job 21030657-01	Truss J1R	Truss Type JACK-OPEN	Qty 6	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503294
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Carter Components (Lexington), Lexington, NC - 27295, 8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:37 2021 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-W2W5uo1HBLLKt8HiNYkT6oR08ocRYcmZUmyjAz1mi0



Scale = 1:16.2



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.15	Vert(LL)	-0.00	6	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.10	Vert(CT)	-0.00	7	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code	IRC2018/TPI2014	Matrix-MR					Weight: 15 lb	FT = 20%

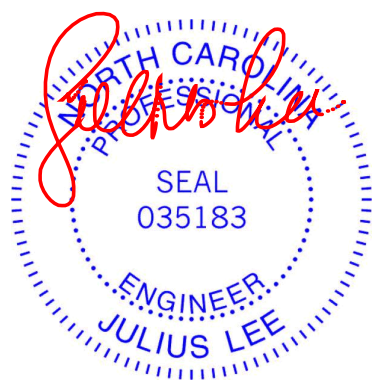
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-2-4 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* 3-7: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 8=0-3-8, 4=Mechanical, 5=Mechanical
 Max Horz 8=86(LC 12)
 Max Uplift 8=-24(LC 12), 4=-12(LC 12), 5=-2(LC 12)
 Max Grav 8=230(LC 1), 4=58(LC 1), 5=46(LC 3)

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

NOTES-

- 1) 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 B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 3-1-8 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
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 4 and 2 lb uplift at joint 5.
- 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8. This connection is for uplift only and does not consider lateral forces.
- 7) 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.



June 28, 2021

Job 21030657-01	Truss CJ1R	Truss Type JACK-OPEN GIRDER	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503295
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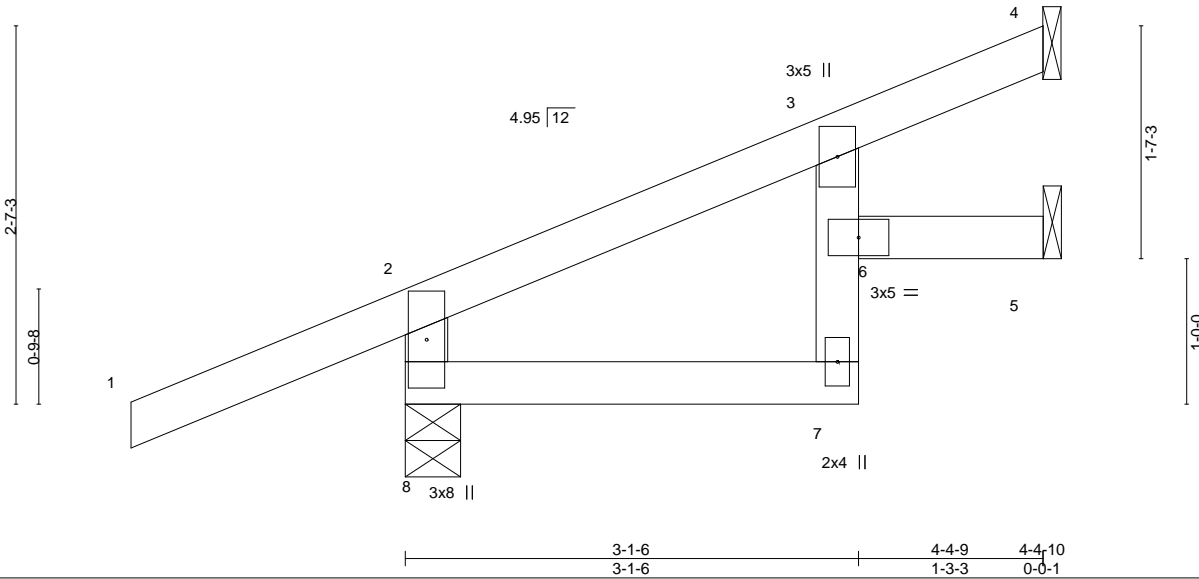
Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:09:53 2021 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-obsTfIVgZqo_BNwFpJx9KWcTF3WoEit4MwIOQjz1mii



Scale = 1:15.8



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	Vert(LL)	-0.01	7	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.45	Vert(CT)	-0.02	7	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.01	5	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-MR						
	Code IRC2018/TPI2014						Weight: 19 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-4-10 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* 3-7: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

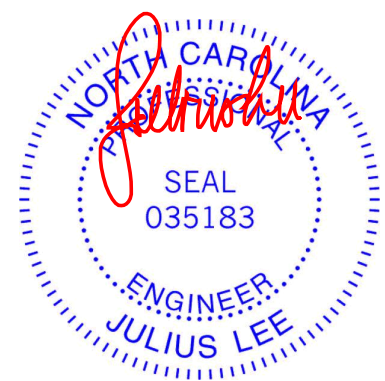
REACTIONS. (size) 8=0-4-9, 4=Mechanical, 5=Mechanical
 Max Horz 8=62(LC 8)
 Max Uplift 8=-31(LC 17), 5=-23(LC 5)
 Max Grav 8=158(LC 3), 4=94(LC 1), 5=166(LC 13)

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

- NOTES-**
- 1) 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 B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 5.
 - 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8. This connection is for uplift only and does not consider lateral forces.
 - 7) 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.
 - 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1 lb down and 3 lb up at -1-10-10, and 1 lb down and 3 lb up at -1-10-10 on top 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=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-4=-20(F=40)
 Concentrated Loads (lb)
 Vert: 1=5(F=2, B=2)
 Trapezoidal Loads (plf)
 Vert: 1=40(F=70, B=30)-to-2=0(F=50, B=10), 8=-47(F=-13, B=-13)-to-7=-96(F=-38, B=-38), 6=-96(F=-38, B=-38)-to-5=-119(F=-50, B=-50)

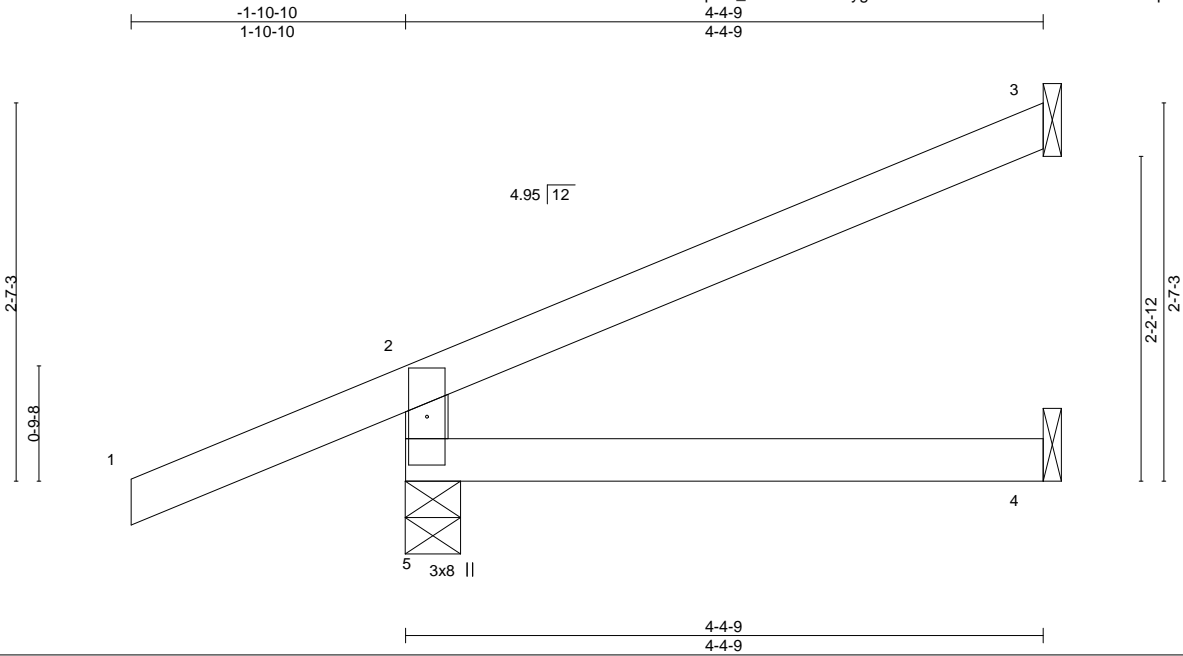


June 28, 2021

Job 21030657-01	Truss CJ1	Truss Type JACK-OPEN GIRDER	Qty 3	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503296
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Carter Components (Lexington), Lexington, NC - 27295, 8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:09:51 2021 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-sCkiE3TQ1CYGx4mshuvhF5X7cFpampNncvphLrz1mik



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	Vert(LL)	-0.04	4-5	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.49	Vert(CT)	-0.07	4-5	>718		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.03	3	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-MR						
	Code IRC2018/TPI2014						Weight: 17 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-4-9 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

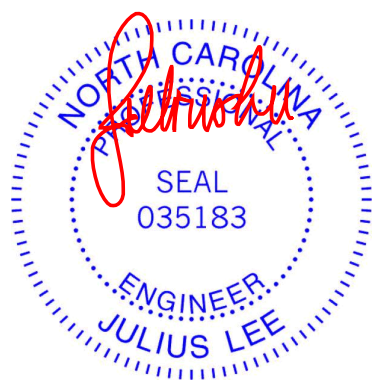
REACTIONS. (size) 5=0-4-9, 3=Mechanical, 4=Mechanical
 Max Horz 5=85(LC 7)
 Max Uplift 5=20(LC 17), 4=33(LC 5)
 Max Grav 5=158(LC 3), 3=63(LC 1), 4=202(LC 13)

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

- NOTES-**
- 1) 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 B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 4.
 - 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5. This connection is for uplift only and does not consider lateral forces.
 - 7) 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.
 - 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1 lb down and 3 lb up at -1-10-10, and 1 lb down and 3 lb up at -1-10-10 on top 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=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-3=20(F=40)
Concentrated Loads (lb)
Vert: 1=5(F=2, B=2)
Trapezoidal Loads (plf)
Vert: 1=40(F=70, B=30)-to-2=0(F=50, B=10), 5=47(F=-13, B=-13)-to-4=-119(F=-50, B=-50)



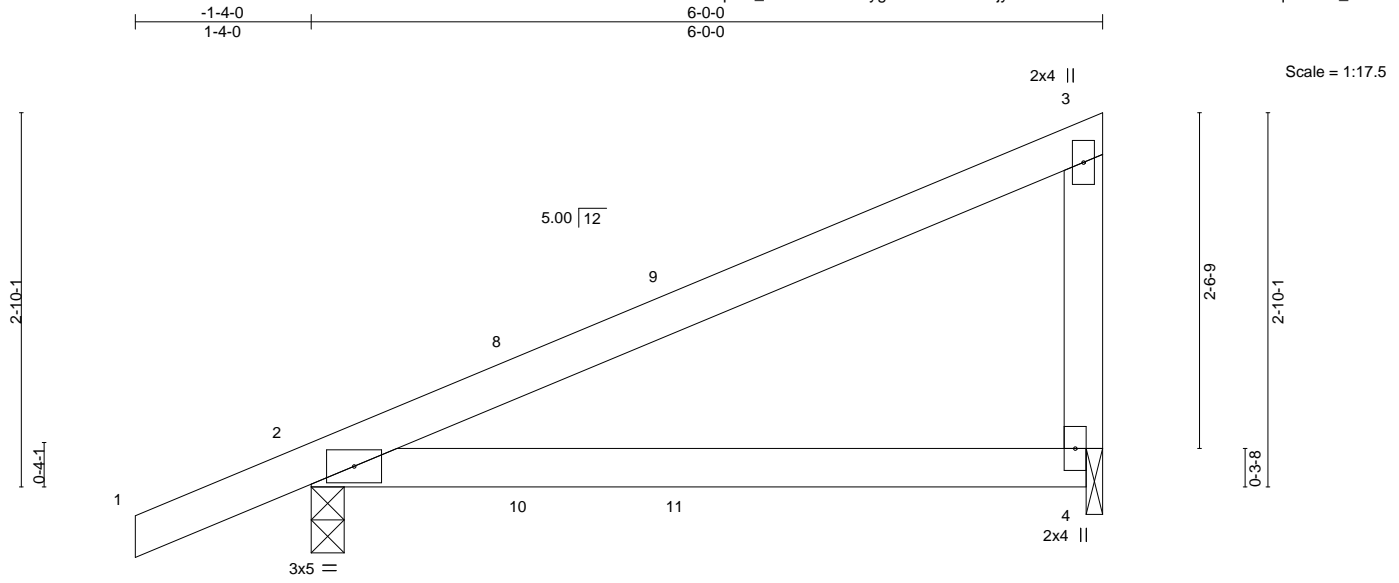
June 28, 2021

Job 21030657-01	Truss M2	Truss Type MONOPICH	Qty 8	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503297
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:39 2021 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-SReslU3XjybSiSR5VzmxBDWHDcEe0WGSx4Rq23z1mi_



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.50	Vert(LL)	0.14	4-7	>518	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.38	Vert(CT)	-0.11	4-7	>614		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	2	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MP					Weight: 24 lb	FT = 20%

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

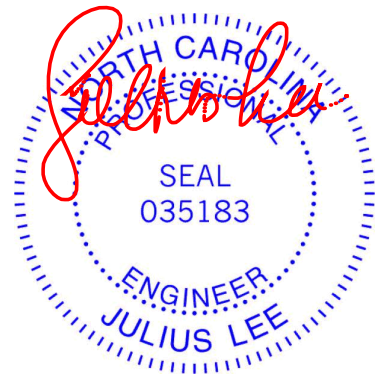
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-0, 4=0-1-8
 Max Horz 2=81(LC 12)
 Max Uplift 2=77(LC 12), 4=60(LC 12)
 Max Grav 2=323(LC 1), 4=225(LC 1)

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

NOTES-

- 1) 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 B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 5-10-4 zone; cantilever left and right exposed ; end vertical 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
- 7) 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.



June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job 21030657-01	Truss M2A	Truss Type MONOPITCH	Qty 4	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss	T24503298
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8,500 s Feb 23 2021 MiTek Industries, Inc. Mon Jun 28 15:26:05 2021 Page 1
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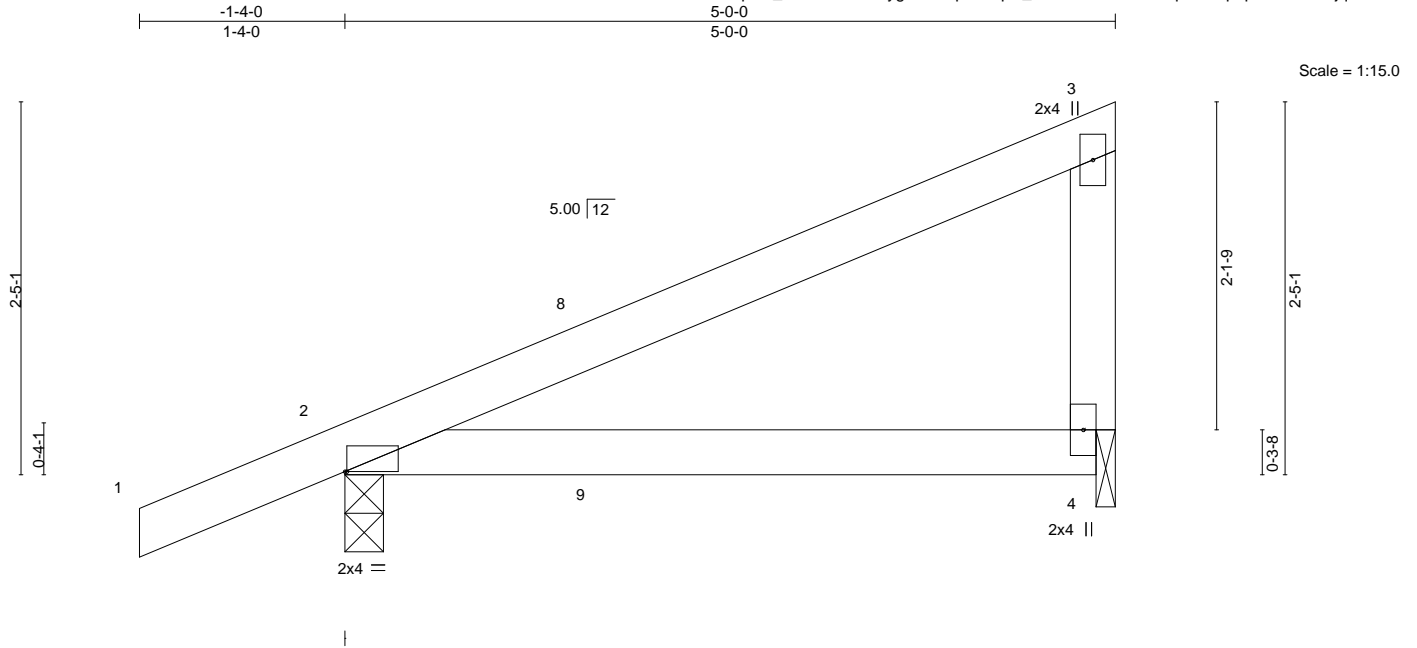


Plate Offsets (X,Y)-- [2:0-0-2,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.32	Vert(LL) 0.07	4-7	>871	240		MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.26	Vert(CT) -0.05	4-7	>999	180			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00	2	n/a	n/a			
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MP						Weight: 20 lb	FT = 20%

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

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

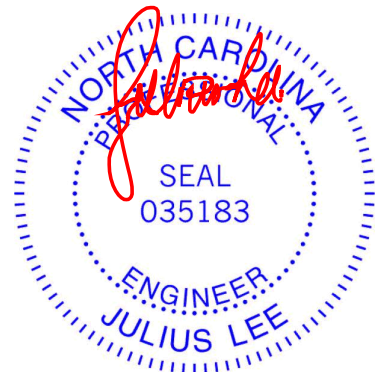
REACTIONS. (lb/size) 2=285/0-3-0 (min. 0-1-8), 4=183/0-1-8 (min. 0-1-8)
 Max Horz 2=70(LC 12)
 Max Uplift 2=-71(LC 12), 4=-48(LC 12)

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

NOTES-

- 1) 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 B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 4-10-4 zone; cantilever left and right exposed; end vertical 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) One RT4 MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 7) One RT3A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 4. This connection is for uplift only and does not consider lateral forces.
- 8) 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



June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
 Edenton, NC 27932

Job 21030657-01	Truss M2B	Truss Type HALF HIP GIRDER	Qty 2	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503299
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:41 2021 Page 1

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Job Reference (optional)



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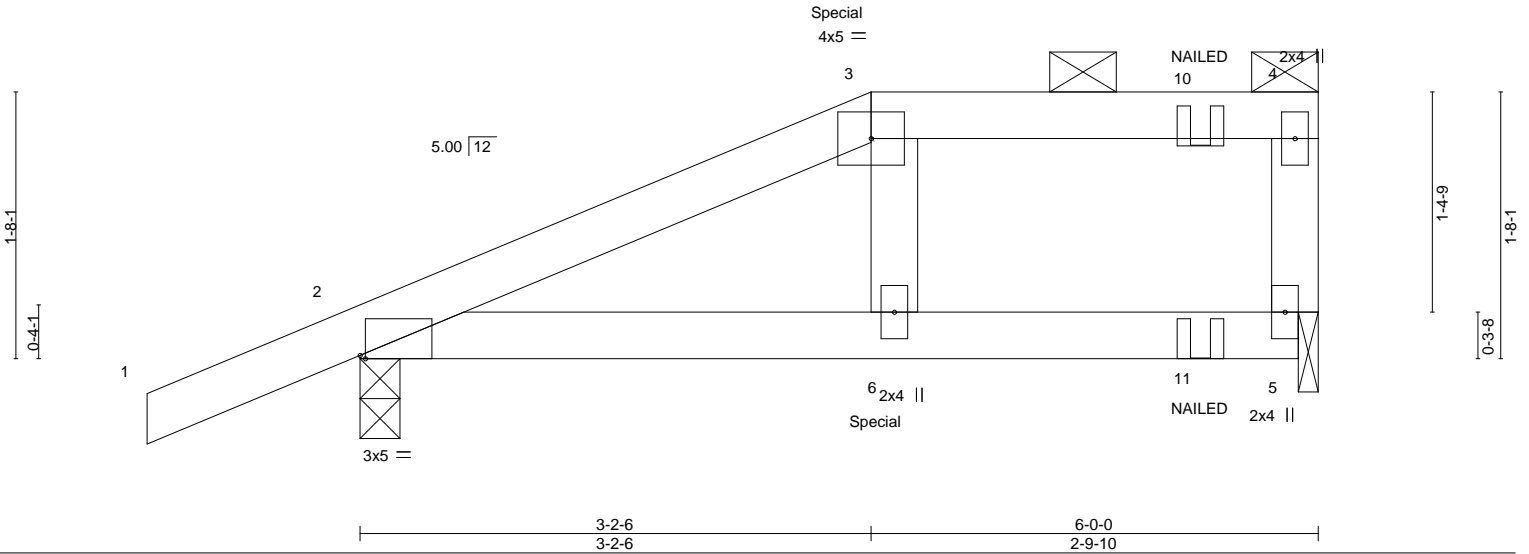


Plate Offsets (X,Y)--	[2:0-0-6,Edge]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15		TC 0.38	Vert(LL) -0.14	6-9	>490	240		MT20	244/190
TCDL 10.0	Lumber DOL 1.15		BC 0.93	Vert(CT) -0.25	6-9	>277	180			
BCLL 0.0 *	Rep Stress Incr NO		WB 0.04	Horz(CT) 0.00	2	n/a	n/a			
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MP						Weight: 24 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD Rigid ceiling directly applied or 8-5-9 oc bracing.

REACTIONS. (size) 2=0-3-0, 5=0-1-8
Max Horz 2=54(LC 8)
Max Uplift 2=-104(LC 8), 5=-87(LC 4)
Max Grav 2=373(LC 1), 5=291(LC 1)

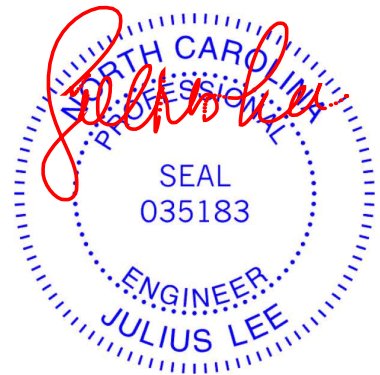
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- 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 B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- 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.
- Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
- One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 5. This connection is for uplift only and does not consider lateral forces.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 52 lb up at 3-2-6 on top chord, and 131 lb down and 101 lb up at 3-2-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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

- Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 5-7=-20
Concentrated Loads (lb)
Vert: 3=-4(F) 6=-112(F) 11=1(F)



June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



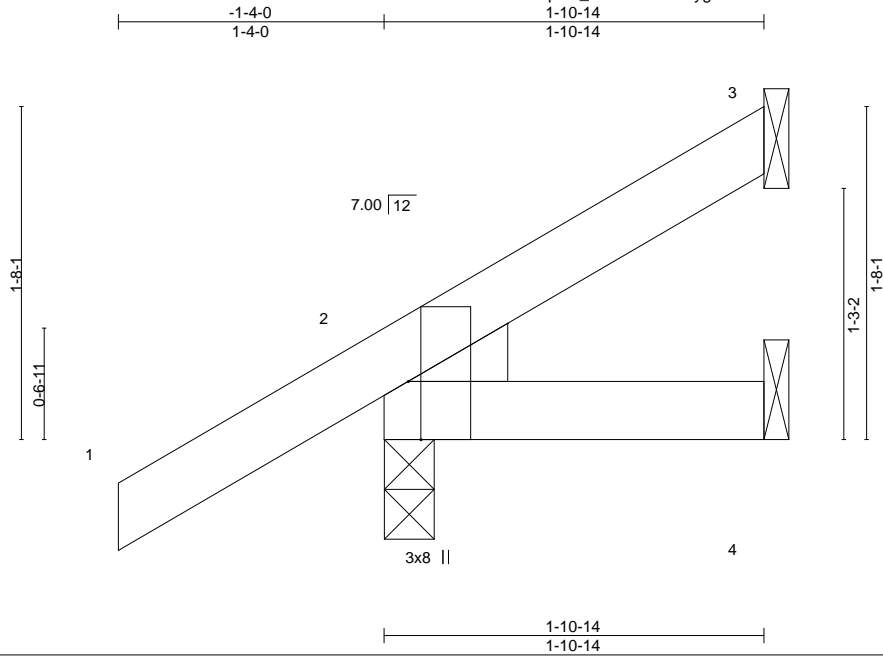
818 Soundside Road
Edenton, NC 27932

Job 21030657-01	Truss J2	Truss Type JACK-OPEN	Qty 4	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503300
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:37 2021 Page 1

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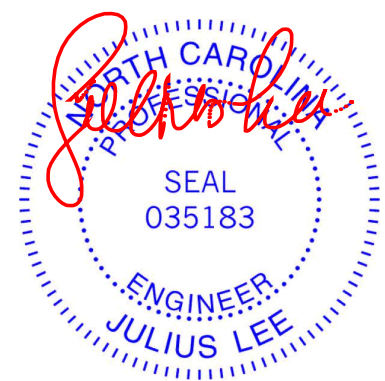
Plate Offsets (X,Y)-- [2:0-3-8,Edge]										
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.15	TC 0.12	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	-0.00	7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MP							
									Weight: 9 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 1-10-14 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEDGE			
Left: 2x4 SP No.3			

REACTIONS. (size) 3=Mechanical, 2=0-3-0, 4=Mechanical
 Max Horz 2=56(LC 12)
 Max Uplift 3=11(LC 12), 2=53(LC 12), 4=7(LC 9)
 Max Grav 3=34(LC 1), 2=184(LC 1), 4=29(LC 3)

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

- NOTES-**
- 1) 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 B; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 3 and 7 lb uplift at joint 4.
 - 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
 - 7) 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.



June 28, 2021

Job 21030657-01	Truss CJ2	Truss Type JACK-OPEN GIRDER	Qty 2	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503301
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:01 2021 Page 1

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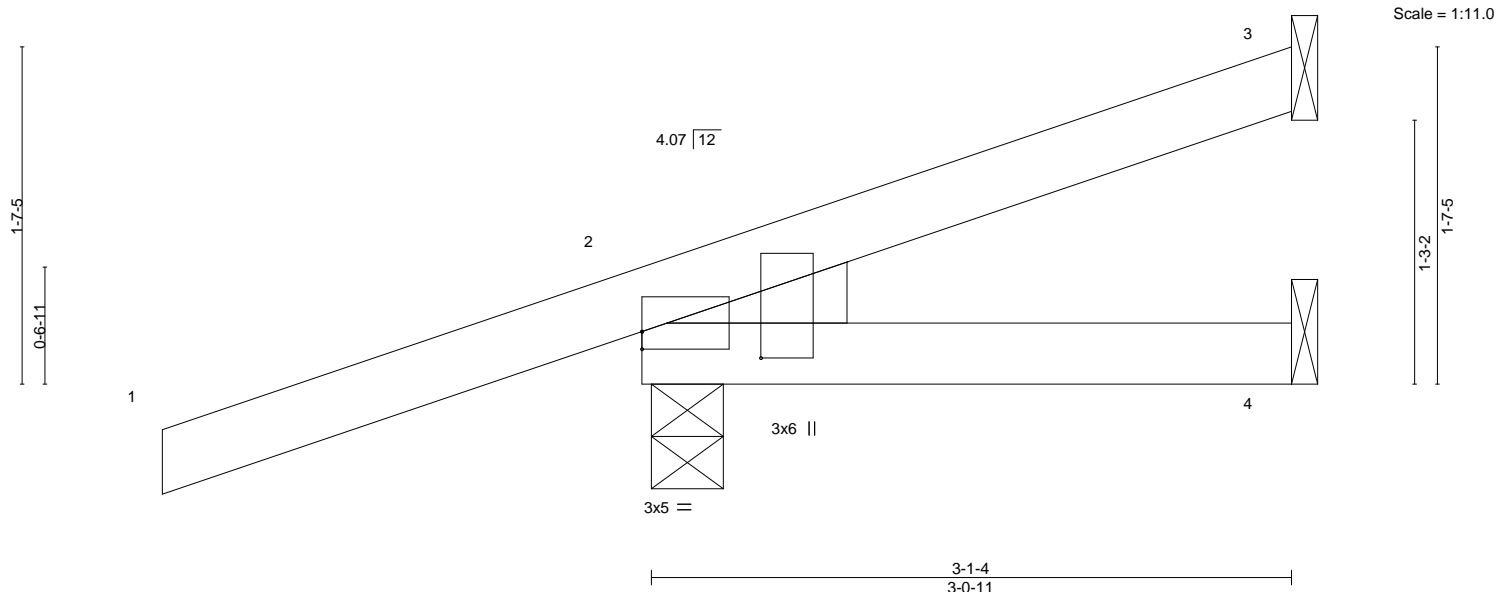


Plate Offsets (X, Y)--	[2:0-0-0,0-1-0], [2:0-1-8,0-6-13]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.53	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.28	Vert(LL) -0.01 4-7 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.02 4-7 >999 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MP	Horz(CT) 0.01 2 n/a n/a		
	Code IRC2018/TPI2014			Weight: 15 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-1-4 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEDGE	
Left: 2x4 SP No.3	

REACTIONS. (size) 3=Mechanical, 2=0-4-2, 4=Mechanical
 Max Horz 2=59(LC 7)
 Max Uplift 3=-5(LC 5), 2=-151(LC 14), 4=-51(LC 5)
 Max Grav 3=81(LC 1), 2=130(LC 5), 4=147(LC 1)

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

- NOTES-**
- 1) 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 B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 3 and 51 lb uplift at joint 4.
 - 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
 - 7) 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.
 - 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 6 lb down and 28 lb up at -2-3-8, and 6 lb down and 28 lb up at -2-3-8 on top 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).

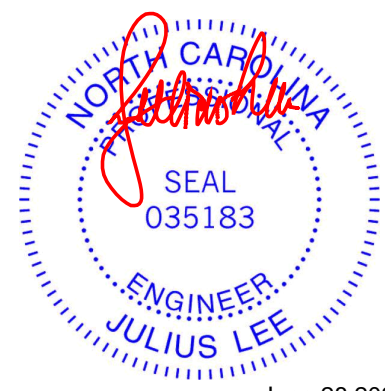
LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)
 Vert: 2-3=-20(F=40)

Concentrated Loads (lb)
 Vert: 1=47(F=23, B=23)

Trapezoidal Loads (plf)
 Vert: 1=40(F=70, B=30)-to-2=6(F=53, B=13), 5=-56(F=-18, B=-18)-to-4=-107(F=-44, B=-44)



June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
 A MiTek Affiliate

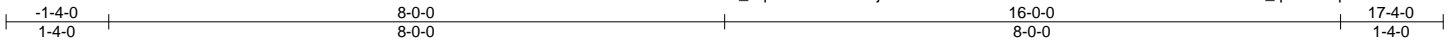
818 Soundside Road
 Edenton, NC 27932

Job 21030657-01	Truss T4	Truss Type COMMON	Qty 3	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503302
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:53 2021 Page 1

ID:Co_LqUbt4ATaJKEajxSMZzY4vF-27U8EGDJQFMTNcWnJv0DmA5Z9Fv_IpWv9FqZXFz1mhm



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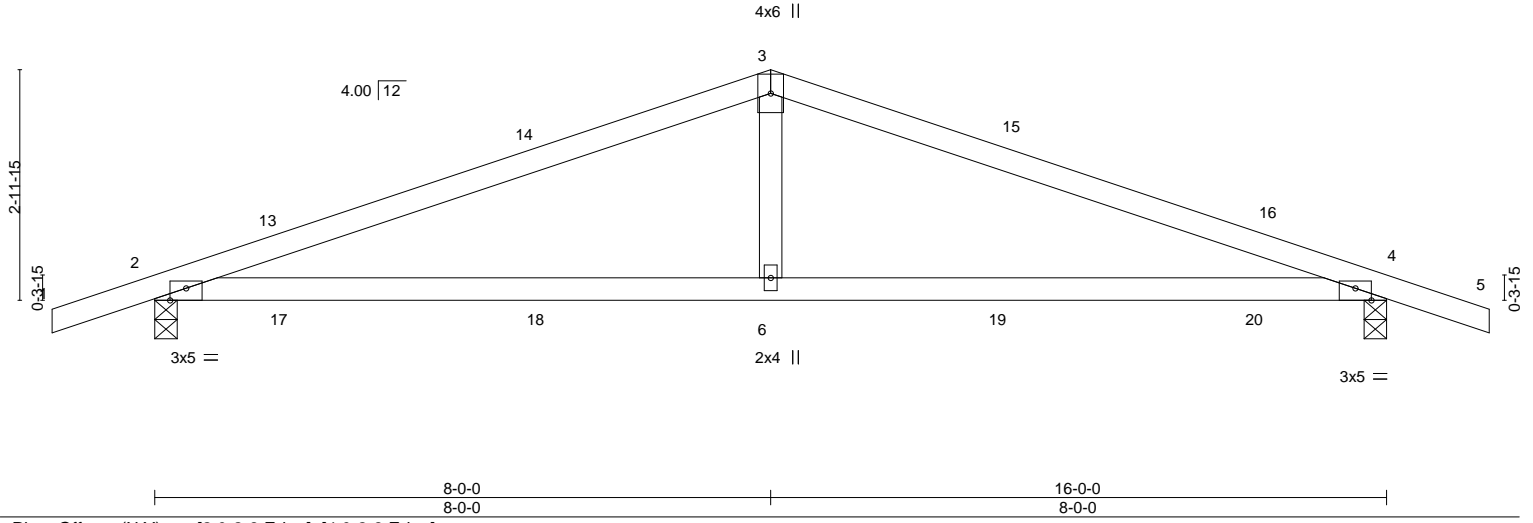


Plate Offsets (X, Y)--	[2:0-2-8,Edge], [4:0-2-8,Edge]
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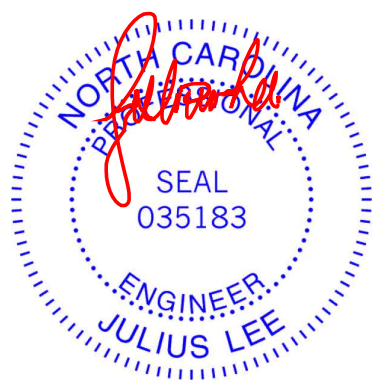
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.92	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.82	Vert(LL) 0.23 6-12 >836 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.14	Vert(CT) -0.27 6-12 >707 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.02 4 n/a n/a		
	Code IRC2018/TPI2014			Weight: 57 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 1-7-8 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-9-8 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 2=0-3-8, 4=0-3-8
 Max Horz 2=-28(LC 10)
 Max Uplift 2=-174(LC 12), 4=-174(LC 12)
 Max Grav 2=720(LC 1), 4=720(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1212/980, 3-4=-1212/980
 BOT CHORD 2-6=-851/1090, 4-6=-851/1090
 WEBS 3-6=-396/375

- 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=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior(1) 11-0-0 to 17-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
 - 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.



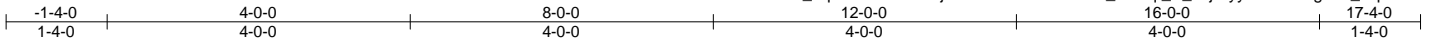
June 28, 2021

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.</p> <p>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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601</p>	<p>818 Soundside Road Edenton, NC 27932</p>
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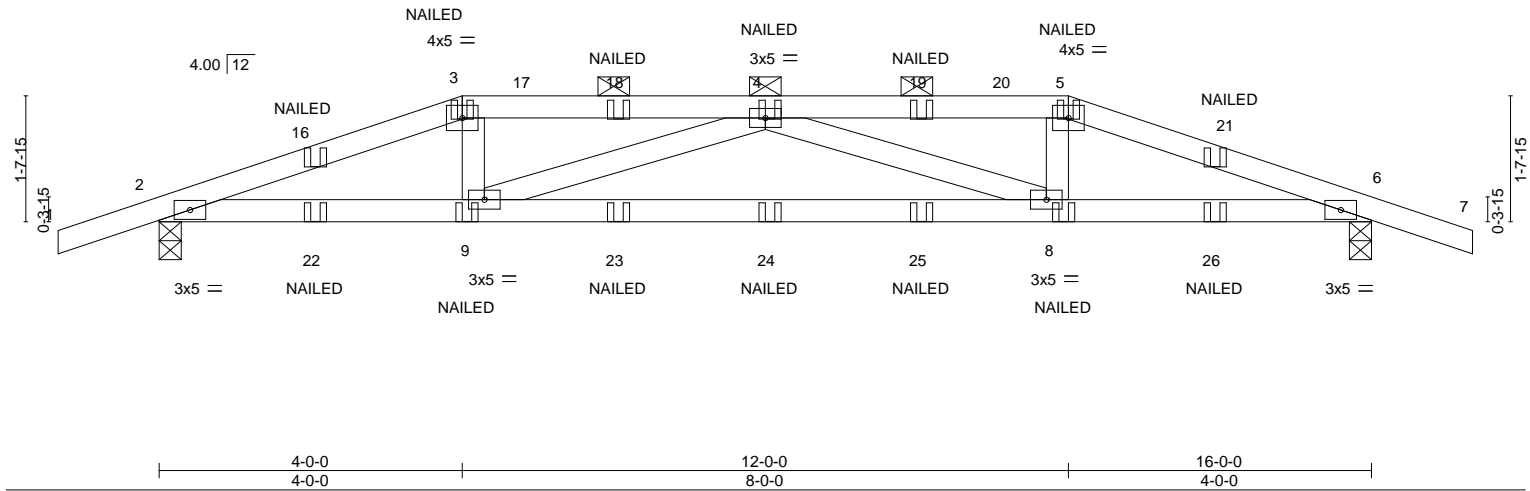
Job 21030657-01	Truss H4GR	Truss Type HIP GIRDER	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503303
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:33 2021 Page 1
ID:Co_LqUbt4ATaJKEajxSMZzY4vF-dHHa2Q_m86qL_X_x8jfXyyGGtB5lclgzZ8_VqPz1mi4



Scale = 1:30.4



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.43	Vert(LL)	0.18 8-9	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.76	Vert(CT)	-0.32 8-9	>595	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.20	Horz(CT)	0.05 6	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS					Weight: 67 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3

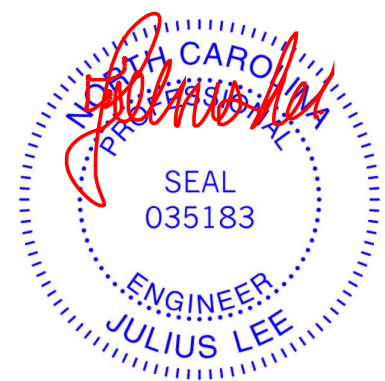
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-4 oc purlins, except
2-0-0 oc purlins (3-8-11 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 7-10-12 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=16(LC 26)
Max Uplift 2=-241(LC 4), 6=-241(LC 5)
Max Grav 2=946(LC 1), 6=947(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2162/535, 3-4=-2067/525, 4-5=-2071/526, 5-6=-2166/535
BOT CHORD 2-9=-485/2022, 8-9=-626/2546, 6-8=-480/2026
WEBS 3-9=-109/456, 4-9=-540/143, 4-8=-536/143, 5-8=-109/456

- 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 B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces.
 - 7) 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.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 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=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 5-7=-60, 10-13=-20
Concentrated Loads (lb)
Vert: 3=-35(B) 5=-35(B) 9=-29(B) 4=-35(B) 8=-29(B) 18=-35(B) 19=-35(B) 22=-67(B) 23=-29(B) 24=-29(B) 25=-29(B) 26=-67(B)



June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

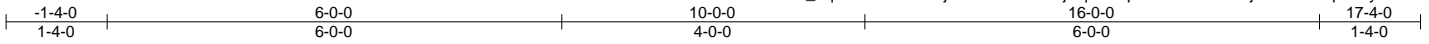


Job 21030657-01	Truss H4	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503304
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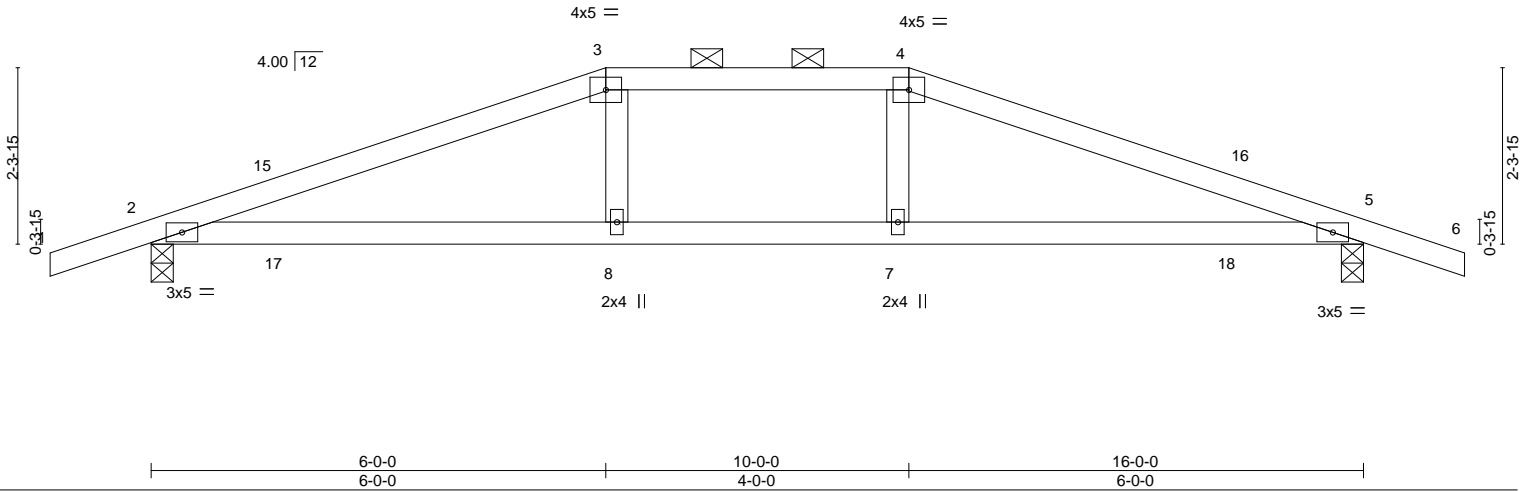
Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:32 2021 Page 1

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Scale = 1:30.4



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.53	Vert(LL)	0.18 8-11	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.59	Vert(CT)	-0.21 7-14	>934	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	0.03 5	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS					Weight: 58 lb	FT = 20%

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

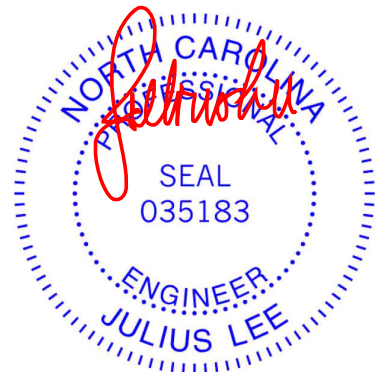
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-3-13 oc purlins, except
 2-0-0 oc purlins (5-2-11 max.): 3-4.
 BOT CHORD Rigid ceiling directly applied or 5-0-7 oc bracing.

REACTIONS. (size) 2=0-3-8, 5=0-3-8
 Max Horz 2=22(LC 11)
 Max Uplift 2=-174(LC 12), 5=-174(LC 12)
 Max Grav 2=720(LC 1), 5=720(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1318/1211, 3-4=-1224/1200, 4-5=-1318/1222
 BOT CHORD 2-8=-1093/1215, 7-8=-1108/1224, 5-7=-1091/1215

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 B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 6-0-0, Exterior(2E) 6-0-0 to 10-0-0, Exterior(2R) 10-0-0 to 14-2-15, Interior(1) 14-2-15 to 17-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 5. This connection is for uplift only and does not consider lateral forces.
- 7) 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.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



June 28, 2021

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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

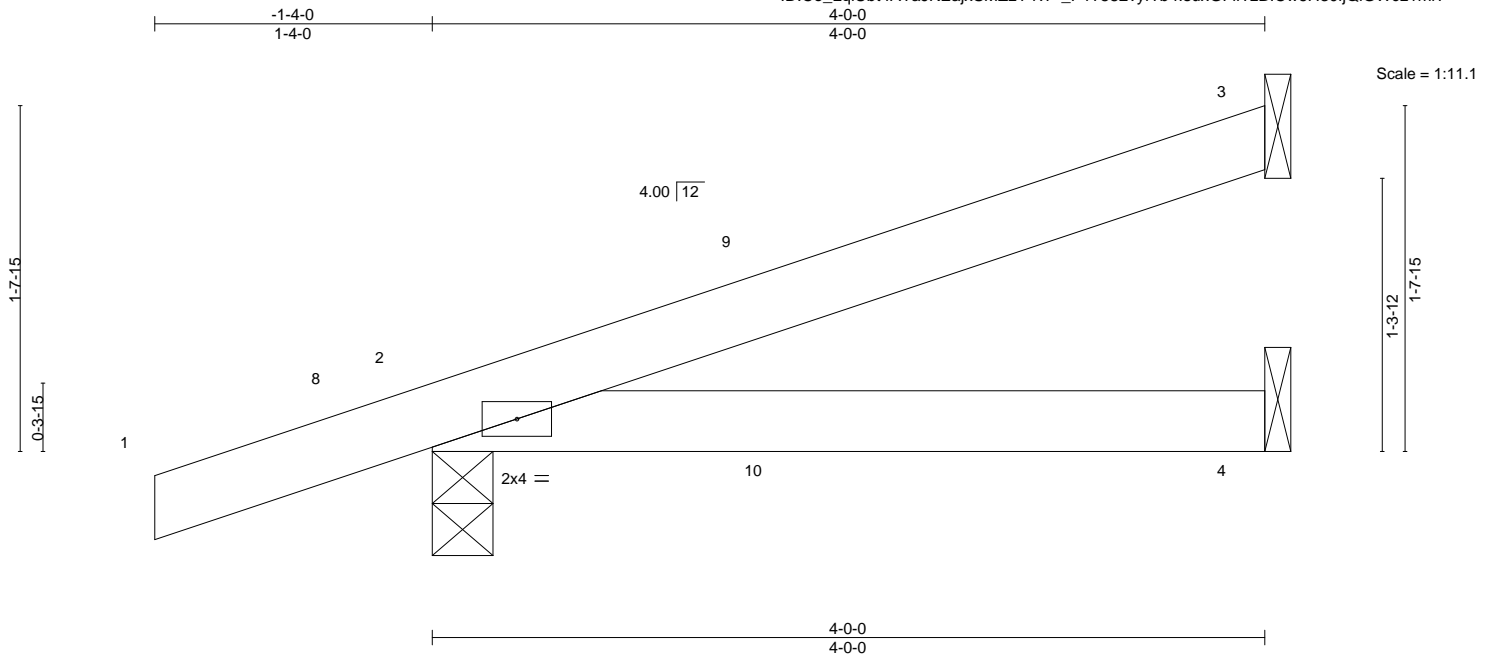


818 Soundside Road
 Edenton, NC 27932

Job 21030657-01	Truss J4	Truss Type JACK-OPEN	Qty 5	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503305
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:38 2021 Page 1
ID:Co_LqIUbt4ATaJKEajxSMZzY4vF-_F4T582vyfTb4lsuxGFif?zBICw6H30ijQiGWcz1mi?



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.19	Vert(LL)	0.03	4-7	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.20	Vert(CT)	0.03	4-7	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP						
	Code IRC2018/TPI2014						Weight: 14 lb	FT = 20%

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

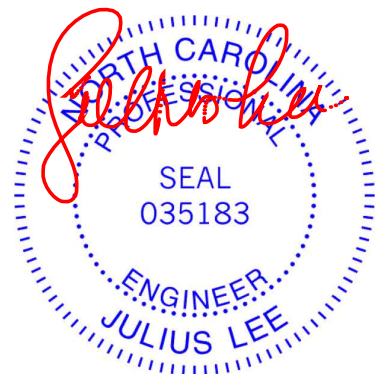
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=49(LC 12)
Max Uplift 3=-23(LC 12), 2=-69(LC 12), 4=-11(LC 12)
Max Grav 3=95(LC 1), 2=251(LC 1), 4=69(LC 3)

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

NOTES-

- 1) 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 B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 3-11-4 zone; cantilever left and right exposed; end vertical 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * 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.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 3 and 11 lb uplift at joint 4.
- 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 7) 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.



June 28, 2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

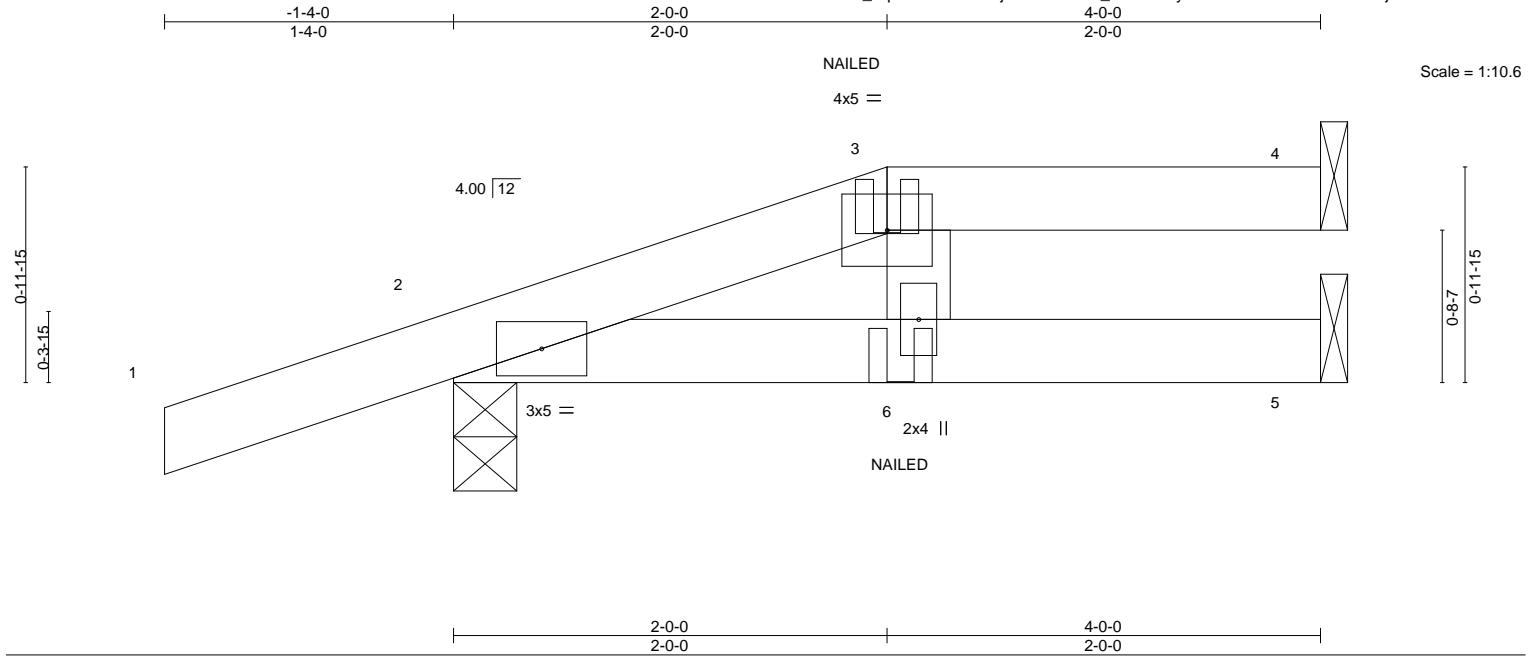
ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job 21030657-01	Truss J4A	Truss Type JACK-OPEN GIRDER	Qty 2	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503306
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:38 2021 Page 1

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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.13	Vert(LL)	0.02	6	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.31	Vert(CT)	-0.03	6	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.03	Horz(CT)	0.01	4	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MP					Weight: 15 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins, except
BOT CHORD 2x4 SP No.2	2-0-0 oc purlins: 3-4.
WEBS 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

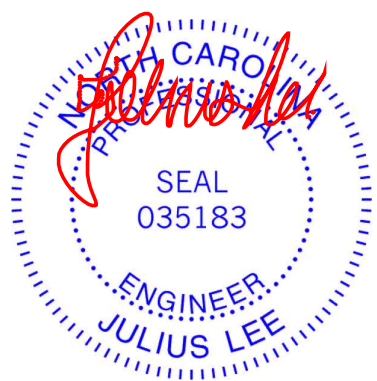
REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
 Max Horz 2=33(LC 8)
 Max Uplift 4=20(LC 4), 2=-74(LC 8), 5=-24(LC 5)
 Max Grav 4=58(LC 1), 2=252(LC 1), 5=97(LC 3)

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 4 and 24 lb uplift at joint 5.
 - 8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
 - 9) 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.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 11) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
 - 12) 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=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 5-7=-20
Concentrated Loads (lb)
Vert: 6=-1(F)



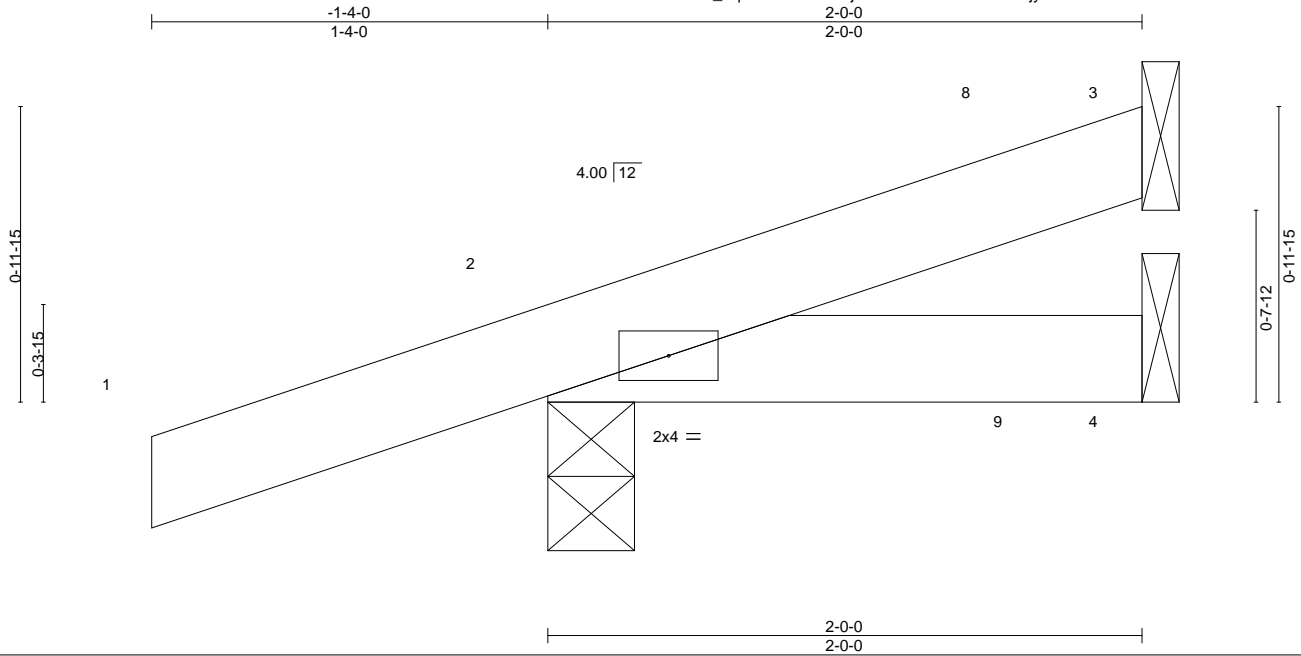
June 28, 2021

Job 21030657-01	Truss J4S	Truss Type JACK-OPEN	Qty 2	Ply 1	Cameron Woods Lot 19 - 2913 Elev B-Roof Truss T24503307
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Carter Components (Lexington), Lexington, NC - 27295,

8.510 s Jun 18 2021 MiTek Industries, Inc. Mon Jun 28 11:10:39 2021 Page 1

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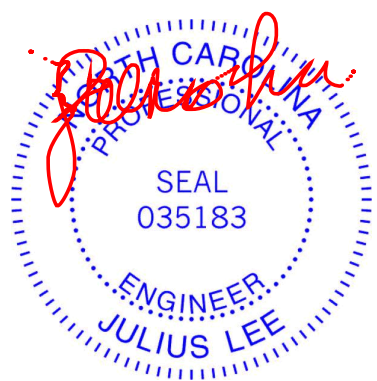
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.12	Vert(LL)	-0.00	7	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.03	Vert(CT)	-0.00	7	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP					Weight: 8 lb	FT = 20%
	Code IRC2018/TPI2014							

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
 Max Horz 2=33(LC 12)
 Max Uplift 3=-6(LC 12), 2=-61(LC 12), 4=-5(LC 9)
 Max Grav 3=36(LC 1), 2=186(LC 1), 4=30(LC 3)

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

- NOTES-**
- 1) 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 B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 1-11-14 zone; cantilever left and right exposed; end vertical 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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * 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.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 3 and 5 lb uplift at joint 4.
 - 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
 - 7) 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.



June 28, 2021

Symbols

PLATE LOCATION AND ORIENTATION



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



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



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

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

PLATE SIZE

4 X 4

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

LATERAL BRACING LOCATION



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

BEARING



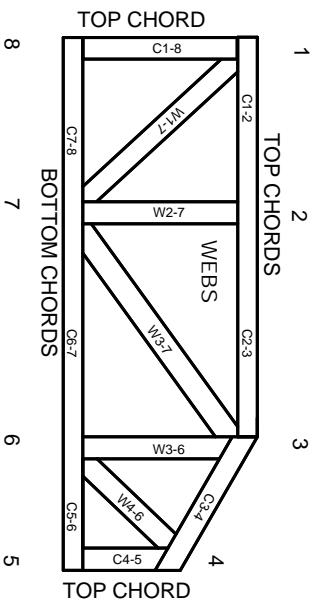
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI 1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing, Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8
dimensions shown in ft-in-sixteenths
(Drawings not to scale)



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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