

Trenco
818 Soundside Rd
Edenton, NC 27932

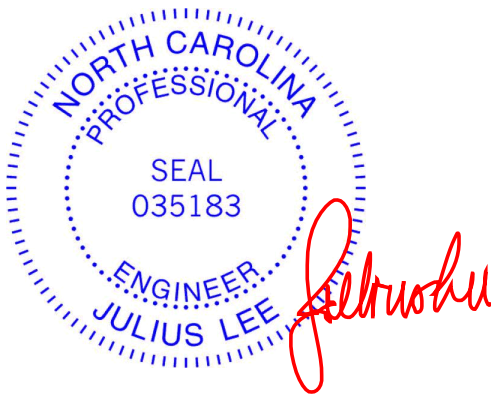
Re: 21110328-02
Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss

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: T26199777 thru T26199817

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

North Carolina COA: C-0844



December 9, 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.

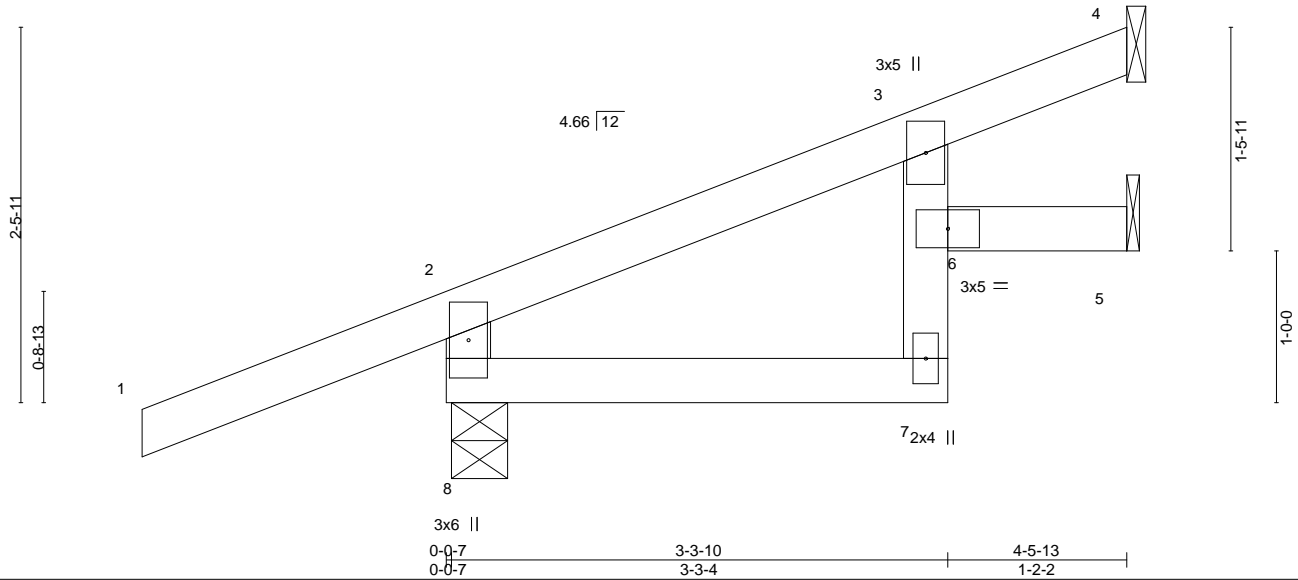
Job 21110328-02	Truss CJ2R	Truss Type Jack-Open Girder	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199777
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:35 2021 Page 1
ID:5LW3e3KbnmujEooc3QUU8yJMRN-YFCHrQ?goTUqkCMF_zR77TShZTgktFNIHk?D0jyB4K_



Scale = 1:15.2



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.24	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.40	Vert(LL) -0.01 7 >999 240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Vert(CT) -0.02 7 >999 180		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MR	Horz(CT) 0.01 5 n/a n/a		
				Weight: 20 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-7: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

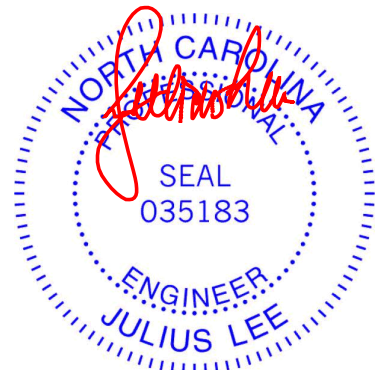
REACTIONS. (size) 8=0-4-7, 4=Mechanical, 5=Mechanical
Max Horz 8=51(LC 8)
Max Uplift 8=-48(LC 17), 5=-19(LC 5)
Max Grav 8=154(LC 3), 4=86(LC 1), 5=142(LC 13)

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; TC DL=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 19 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) 7 lb down and 2 lb up at -2-0-1, and 7 lb down and 2 lb up at -2-0-1 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=-11(F=-6, B=-6)
Trapezoidal Loads (plf)
Vert: 1=40(F=70, B=30)-to-2=8(F=54, B=14), 8=-32(F=-6, B=-6)-to-7=-83(F=-32, B=-32), 6=-83(F=-32, B=-32)-to-5=-105(F=-42, B=-42)



December 9, 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



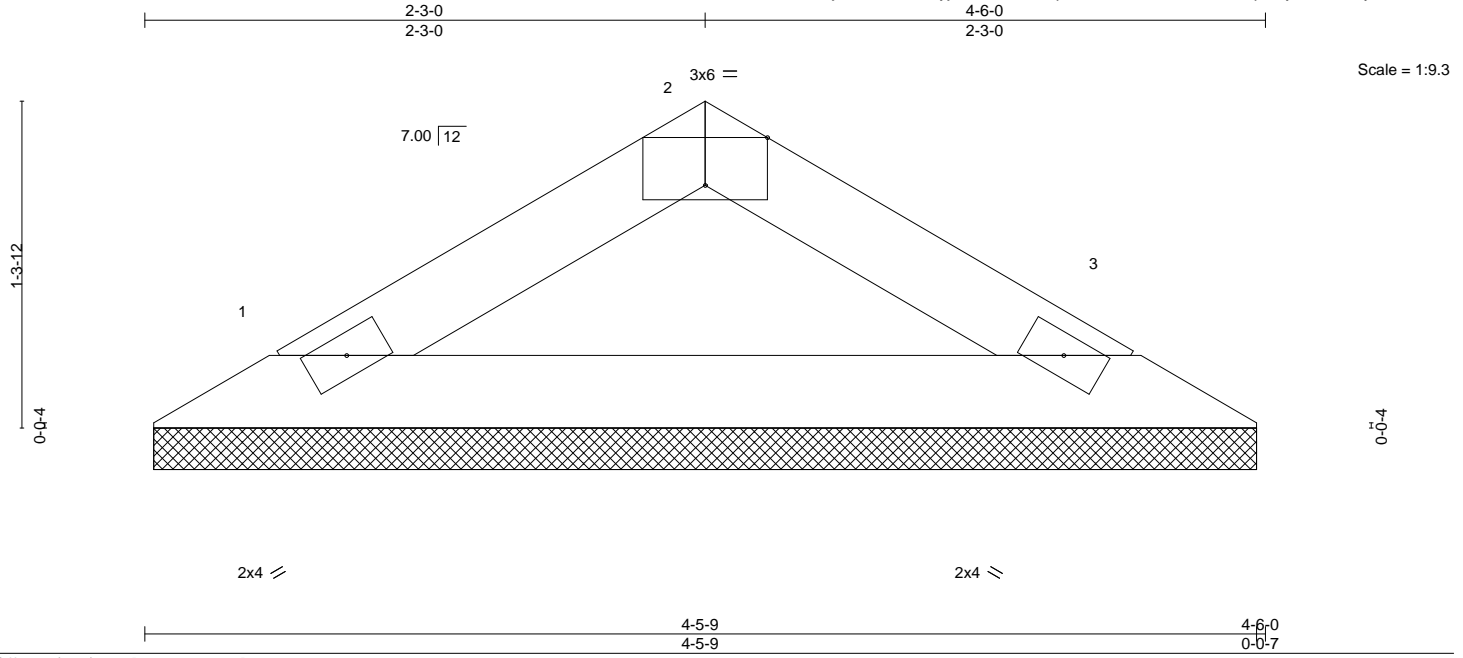
818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss V2A	Truss Type Valley	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199778
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:23 2021 Page 1

ID:5LW3e3KbnmujEooc3QUU8yjMRN-8U5RwqanVDX0Va1Tn2IO3bsXNq7?7yFmJcElxyB4JE



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.05	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.14	Vert(CT) n/a - n/a 999		
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-P		Weight: 13 lb	FT = 20%

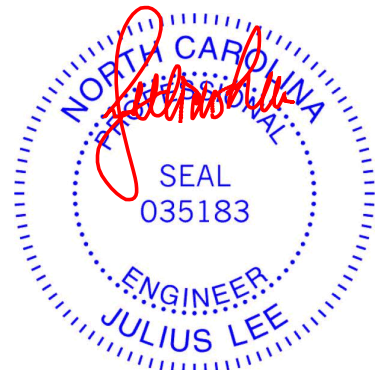
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=4-5-2, 3=4-5-2
Max Horz 1=17(LC 11)
Max Uplift 1=-1(LC 12), 3=-1(LC 12)
Max Grav 1=137(LC 1), 3=137(LC 1)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=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
 - Gable requires continuous bottom chord bearing.
 - 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, 3.
 - 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.



December 9, 2021

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Job 21110328-02	Truss V2	Truss Type Valley	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199779
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Carter Components (Lexington), Lexington, NC - 27295, 8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:22 2021 Page 1
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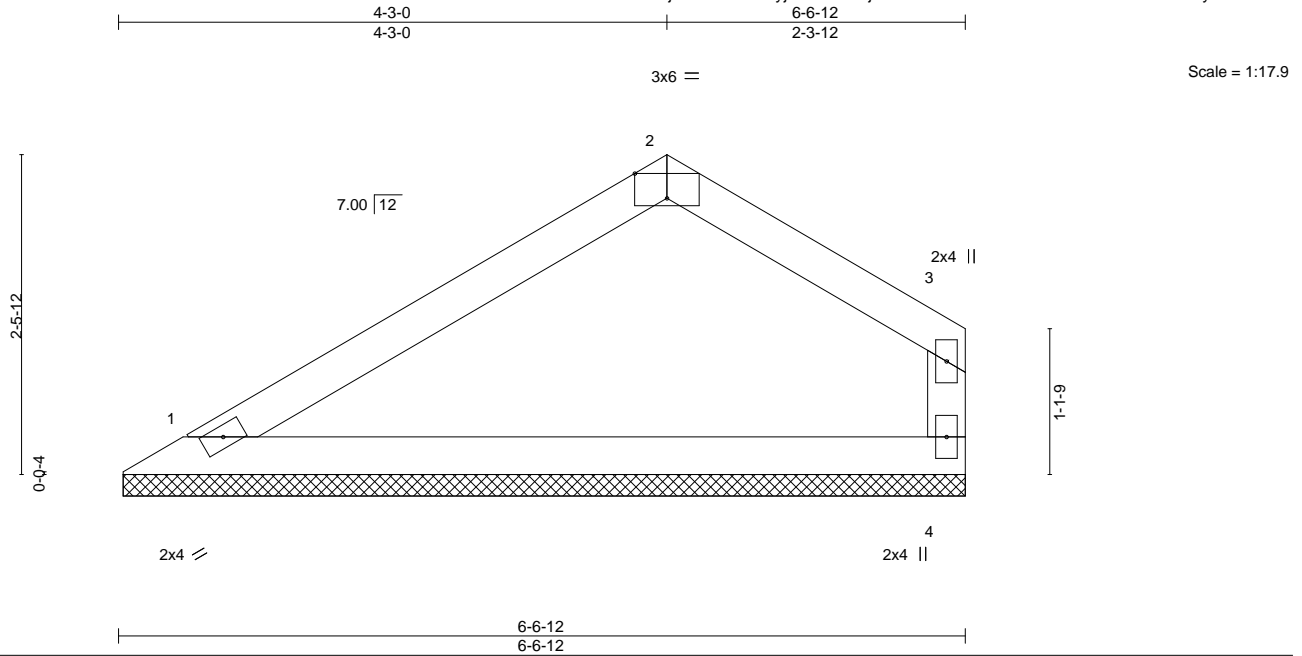


Plate Offsets (X,Y)-- [2:0-3-0,Edge]		CSI.		DEFL.		PLATES		GRIP	
LOADING (psf)	SPACING-	TC	in	(loc)	l/defl	L/d	Weight: 21 lb	FT = 20%	
TCLL 20.0	Plate Grip DOL 1.15	0.24	Vert(LL)	n/a	-	n/a	MT20	244/190	
TCDL 10.0	Lumber DOL 1.15	0.32	Vert(CT)	n/a	-	n/a			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	0.00	4	n/a			
BCDL 10.0	Code IRC2018/TPI2014	Matrix-R							

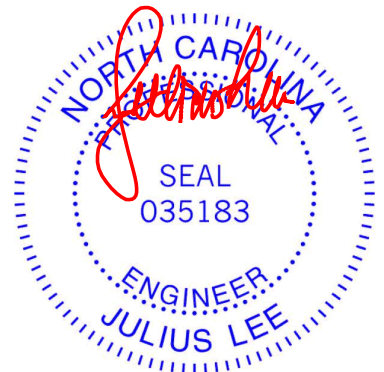
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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) 1=6-6-5, 4=6-6-5
Max Horz 1=48(LC 11)
Max Uplift 1=-1(LC 12), 4=-2(LC 12)
Max Grav 1=235(LC 1), 4=235(LC 1)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=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 4-3-0, Exterior(2E) 4-3-0 to 6-5-0 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
 - Gable requires continuous bottom chord bearing.
 - 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.
 - One RT7A 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.
 - 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.



December 9,2021

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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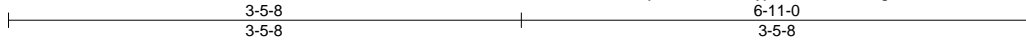
Job 21110328-02	Truss V3C	Truss Type Valley	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199780
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:26 2021 Page 1

ID:5LW3e3KbnmujEooc3QUU8yjMRN-Y3nZYsdgo8vbm1I2TBs5hEU0x14zKJ?C0AsQIGyB4JB

Job Reference (optional)



3x6 =

Scale = 1:15.5

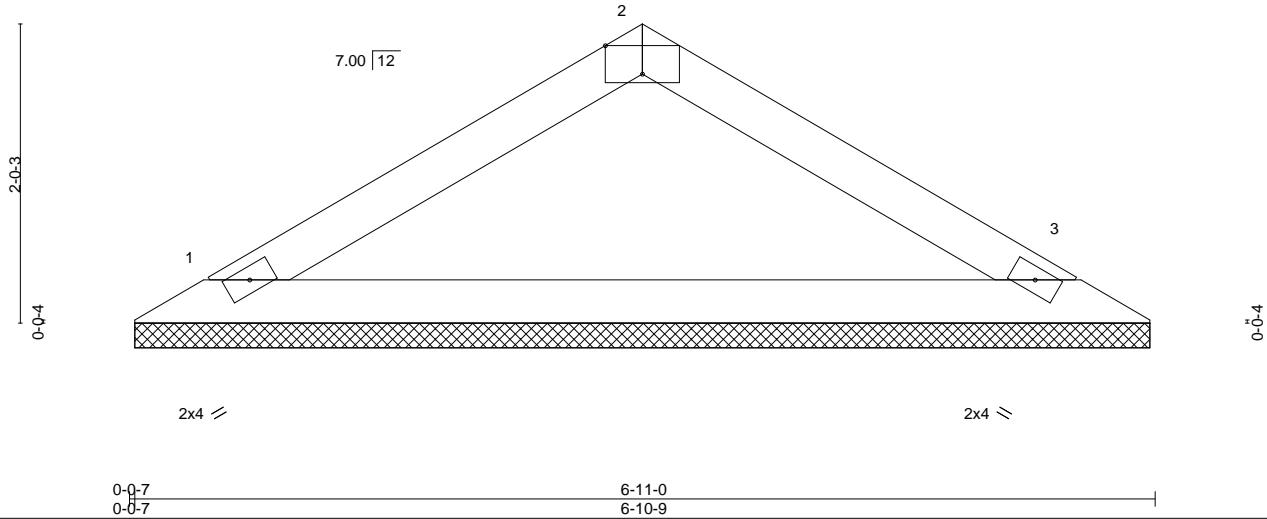


Plate Offsets (X,Y)-- [2:0-3-0,Edge]	0-0-7 0-0-7	6-11-0 6-10-9						
LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0 1.15	TC 0.16	Vert(LL) n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.45	Vert(CT) n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00	3	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-P					Weight: 20 lb	FT = 20%

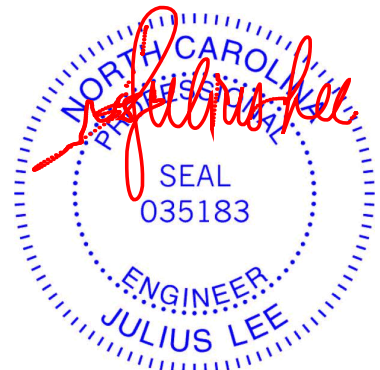
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 1=6-10-2, 3=6-10-2
Max Horz 1=29(LC 11)
Max Uplift 1=-2(LC 12), 3=-2(LC 12)
Max Grav 1=233(LC 1), 3=233(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.



December 9, 2021

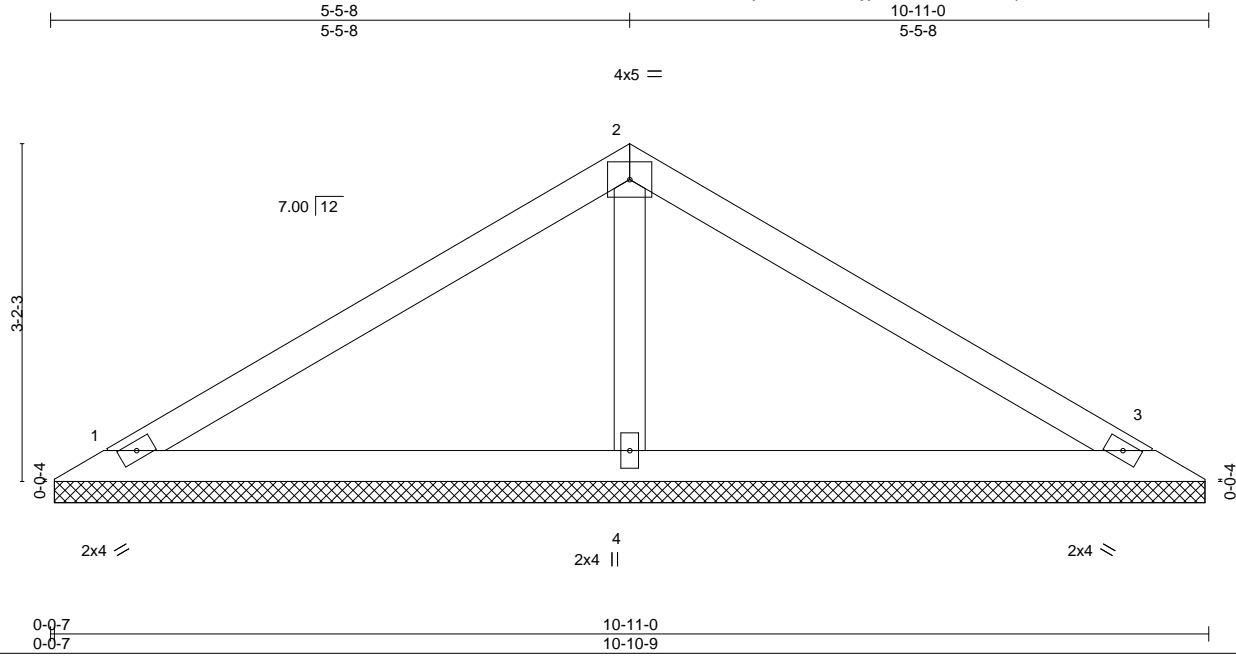
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 21110328-02	Truss V3B	Truss Type Valley	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199781
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Carter Components (Lexington), Lexington, NC - 27295, 8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:25 2021 Page 1
 ID:5LW3e3KbnmujEoocu3QUU8yjMRN-4sDBLWc11qnktAsvTLs80xoDdowbrk3nW7smpyB4JC



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.35	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.24	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.07	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 3 n/a n/a		
	Code IRC2018/TPI2014			Weight: 37 lb	FT = 20%

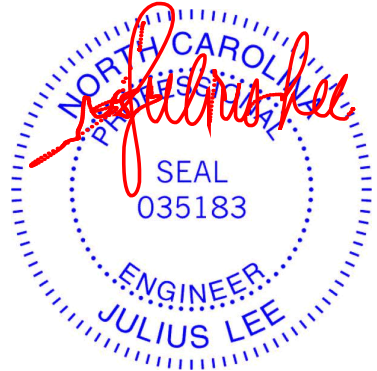
LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 OTHERS 2x4 SP No.3

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

REACTIONS. (size) 1=10-10-2, 3=10-10-2, 4=10-10-2
 Max Horz 1=-49(LC 10)
 Max Uplift 1=-12(LC 12), 3=-12(LC 12)
 Max Grav 1=186(LC 1), 3=186(LC 1), 4=414(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-4=-269/82

- 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 5-5-8, Exterior(2R) 5-5-8 to 8-5-8, Interior(1) 8-5-8 to 10-4-8 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.



December 9, 2021

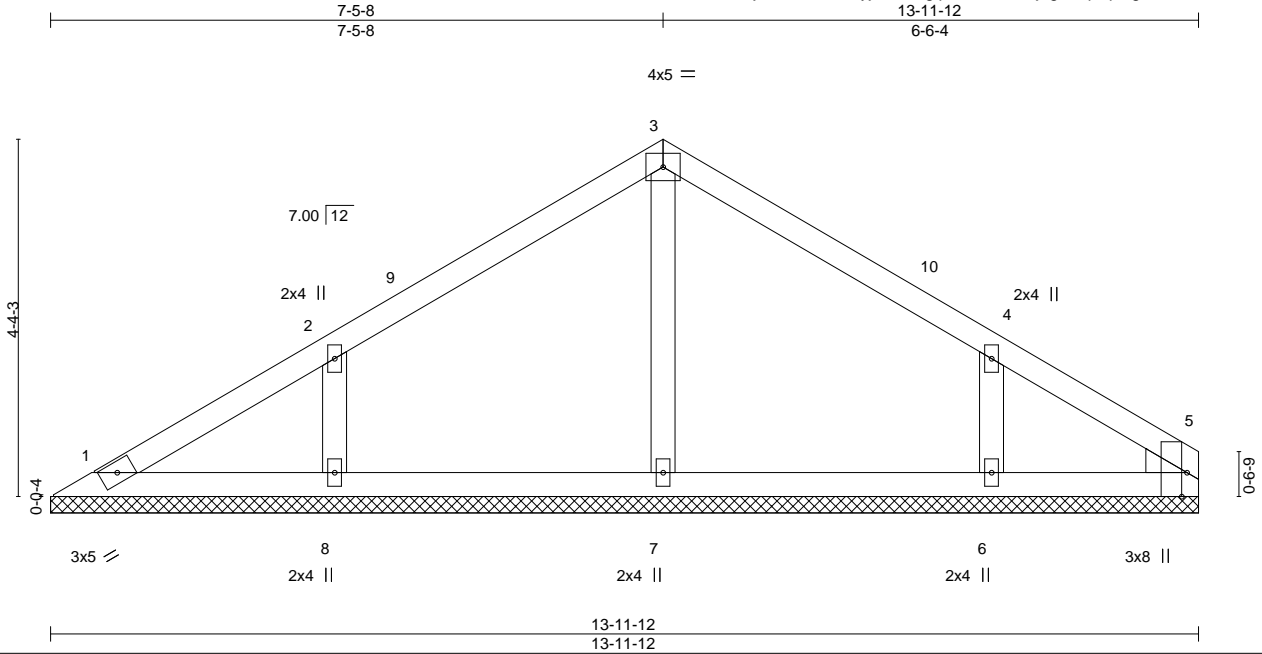
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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Job 21110328-02	Truss V3A	Truss Type GABLE	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199782
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:24 2021 Page 1
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Scale = 1:28.1

Plate Offsets (X,Y)-- [5:0-3-8,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 0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.12	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	5	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-S						Weight: 55 lb	FT = 20%

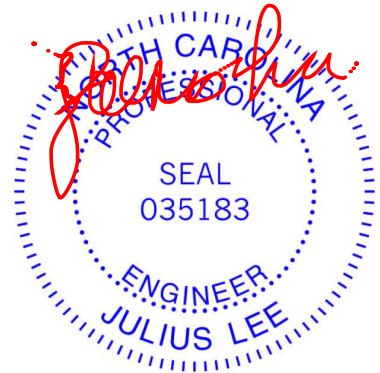
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

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

REACTIONS. All bearings 13-11-12.
(lb) - Max Horz 1=69(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 8, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=270(LC 1), 8=328(LC 23), 6=311(LC 24)

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=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-6-8 to 3-5-8, Interior(1) 3-5-8 to 7-5-8, Exterior(2R) 7-5-8 to 10-5-8, Interior(1) 10-5-8 to 13-11-12 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
 - Gable requires continuous bottom chord bearing.
 - 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) 8 and 6. 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.



December 9, 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

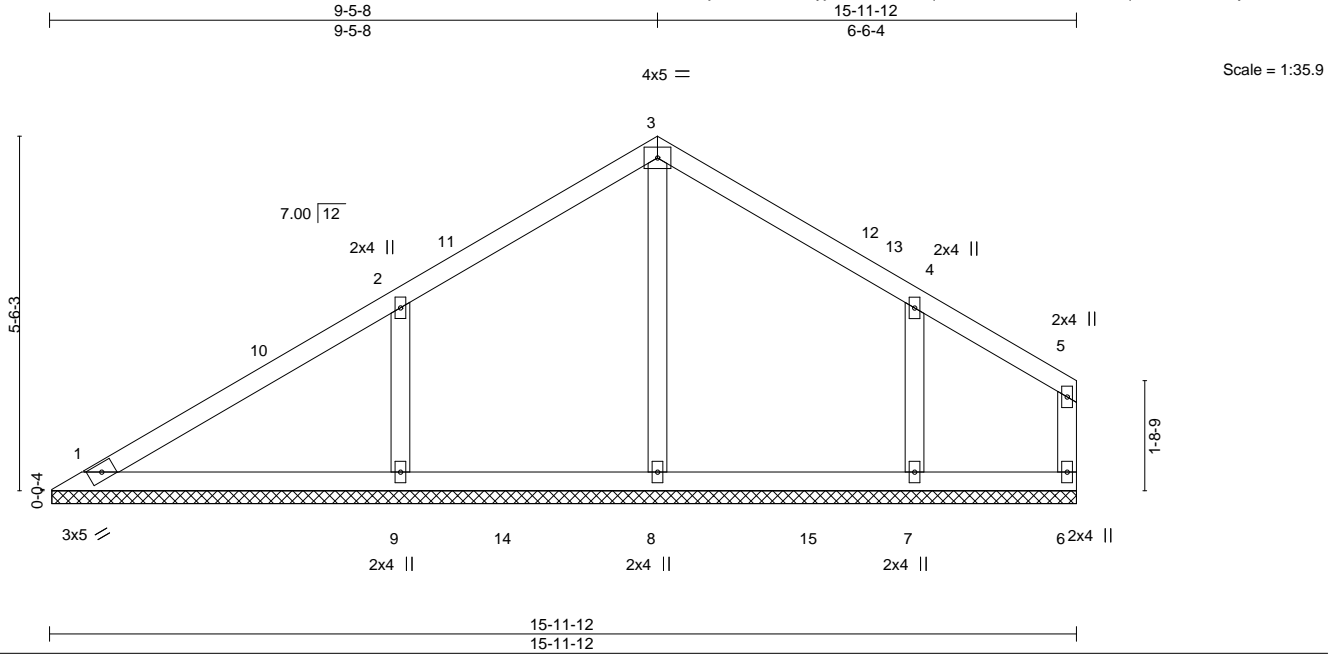
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss V3	Truss Type Valley	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199783
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Carter Components (Lexington), Lexington, NC - 27295, 8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:23 2021 Page 1
 ID:5LW3e3KbnmujEoocu3QUU8yjIMRN-8U5RwqanVDX0Va1Tn2IO3bsTAq617xbmJCelixyB4JE



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.20	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.11	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) -0.00 6 n/a n/a		
	Code IRC2018/TPI2014			Weight: 68 lb	FT = 20%

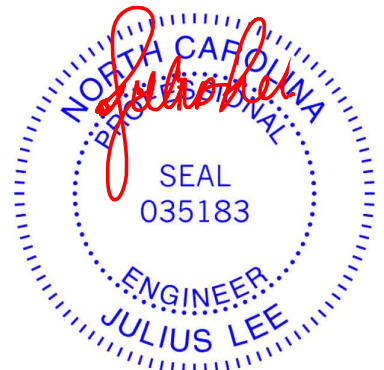
LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 15-11-5.
 (lb) - Max Horz 1=107(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 9, 7
 Max Grav All reactions 250 lb or less at joint(s) 1, 6 except 8=376(LC 17), 9=511(LC 17), 7=369(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-9=321/125

- 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) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 9-5-8, Exterior(2R) 9-5-8 to 12-5-8, Interior(1) 12-5-8 to 15-10-0 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
 - Gable requires continuous bottom chord bearing.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 6, 9, and 7. 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.



December 9, 2021

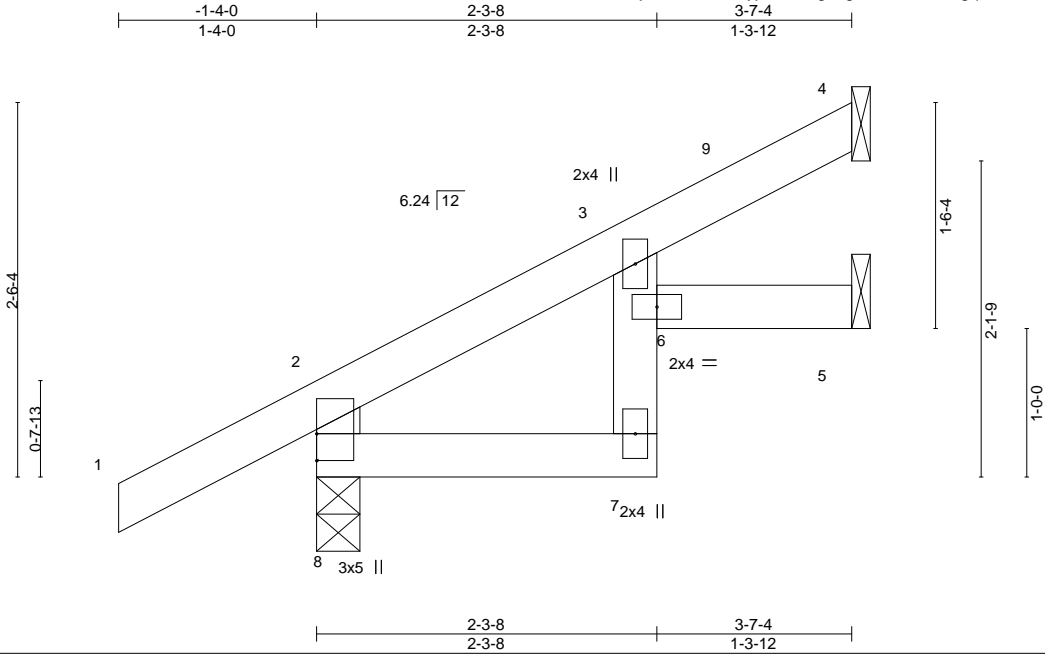
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 21110328-02	Truss J2R	Truss Type Jack-Open	Qty 2	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199784
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Carter Components (Lexington), Lexington, NC - 27295, 8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:58 2021 Page 1
 ID:5LW3e3KbnmujEooc3QUU8yjMRN-Mg5_gHH5OXNZ?kcgqIMWYKJE5ib0mf35ap4xJuyB4Jd



Scale = 1:15.5

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 7 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.15	Vert(CT) -0.01 7 >999 180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT) 0.01 5 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MR		Weight: 16 lb	FT = 20%

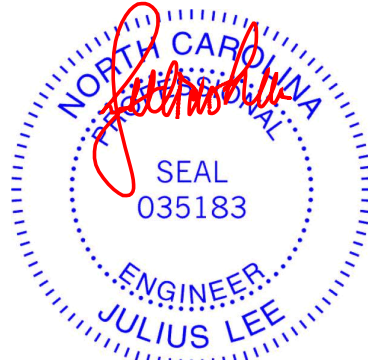
LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 3-7: 2x4 SP No.3
 WEBS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-7-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-3-8, 4=Mechanical, 5=Mechanical
 Max Horz 8=80(LC 12)
 Max Uplift 8=-29(LC 12), 4=-14(LC 12)
 Max Grav 8=244(LC 1), 4=72(LC 1), 5=53(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; 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 Corner(3) -1-4-0 to 2-10-15, Exterior(2R) 2-10-15 to 3-6-8 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 14 lb uplift at joint 4.
 - 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8 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.



December 9, 2021

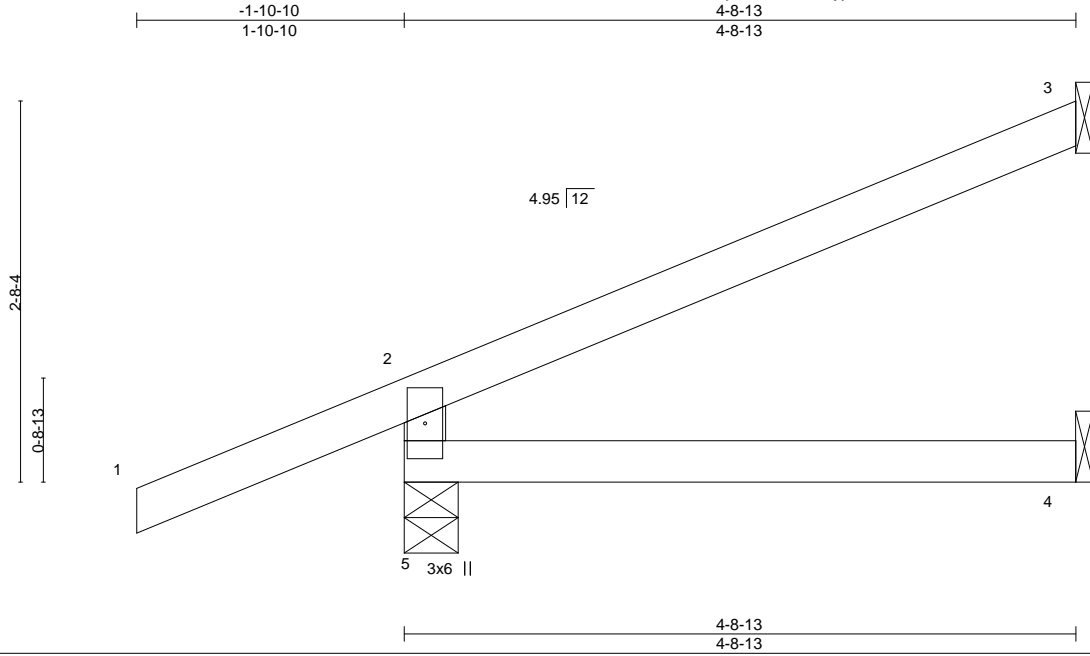
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 21110328-02	Truss CJ1	Truss Type JACK-OPEN GIRDER	Qty 2	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199785
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:33 2021 Page 1
ID:5LW3e3KbnmujEoocuu3QUU8yjMRN-bs4XQk_QGsD6VuCsYPf22nwigz5PLtPqQW6xqyB4K0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.54	Vert(LL) -0.05 4-5 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.09 4-5 >614 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MR	Horz(CT) 0.03 3 n/a n/a		
	Code IRC2018/TPI2014			Weight: 18 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 4-8-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-4-9, 3=Mechanical, 4=Mechanical
Max Horz 5=90(LC 7)
Max Uplift 5=-34(LC 17), 3=-2(LC 17), 4=-33(LC 5)
Max Grav 5=158(LC 3), 3=66(LC 1), 4=204(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; BCCL=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; 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 2 lb uplift at joint 3 and 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).

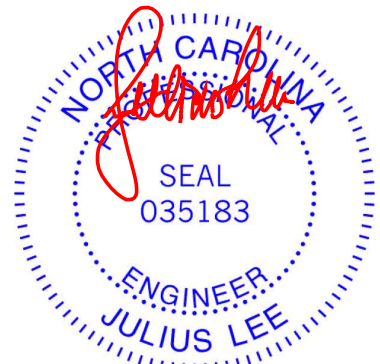
LOAD CASE(S) Standard

- 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=10(F=55, B=15), 5=-37(F=-8, B=-8)-to-4=-114(F=-47, B=-47)



December 9, 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

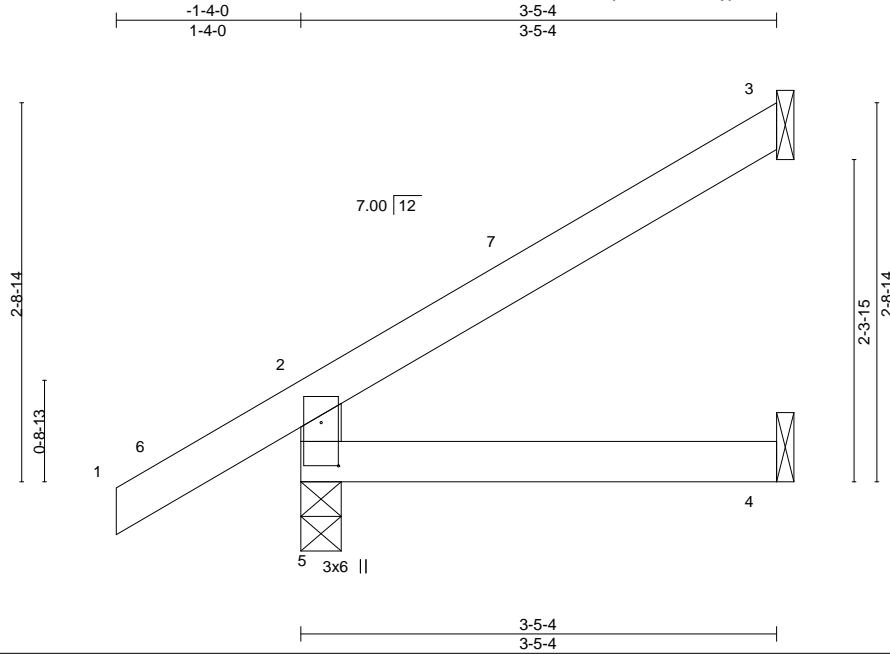


818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss J1	Truss Type JACK-OPEN	Qty 29	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199786
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:56 2021 Page 1
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Scale = 1:16.6

Plate Offsets (X,Y)-- [5:0-3-12,0-1-8]

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 0.15	Vert(LL)	-0.01 4-5	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.10	Vert(CT)	-0.01 4-5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01 3	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MR					Weight: 14 lb	FT = 20%

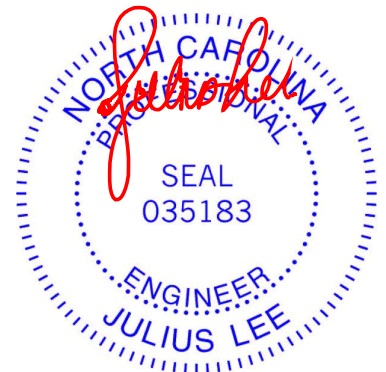
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-4 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=88(LC 12)
Max Uplift 5=-24(LC 12), 3=-27(LC 12)
Max Grav 5=238(LC 1), 3=79(LC 17), 4=59(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 3-4-8 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 27 lb uplift at jt 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.



December 9, 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

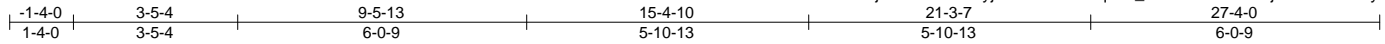
ENGINEERING BY
TRENCO
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932

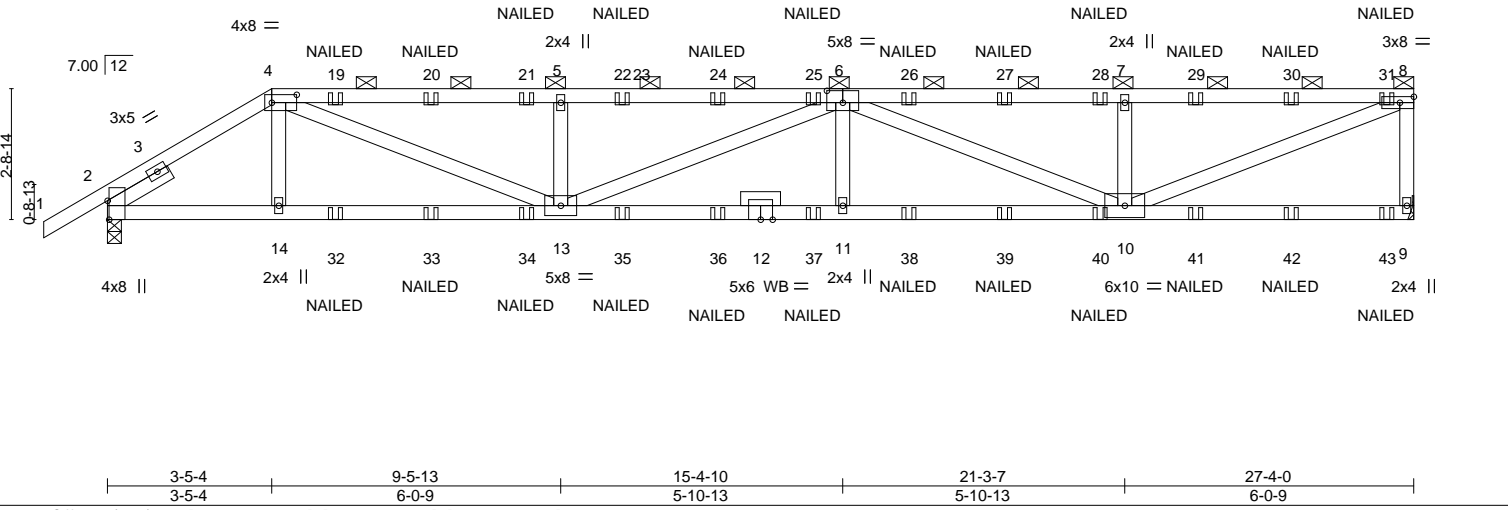
Job 21110328-02	Truss H1GRA	Truss Type HALF HIP GIRDER	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199787
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:48 2021 Page 1
ID:5LW3e3KbnmujEoocu3QUU8yjMRN-flUCas9qkT6_oBriECAAA8DvN?j?TQxfcGGfPyTyB4Jn



Scale: 1/4"=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)	-0.21 11-13	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.87	Vert(CT)	-0.44 11-13	>746	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.83	Horz(CT)	0.09 9	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS					Weight: 140 lb	FT = 20%

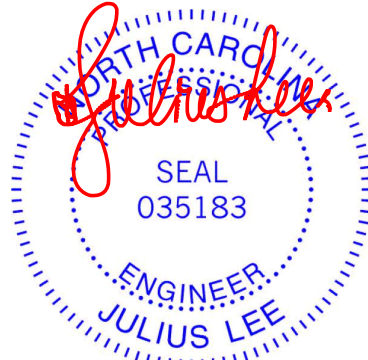
LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E *Except*
 1-4: 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
 4-13,6-13,6-10,8-10: 2x4 SP No.2
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-1 oc purlins, except end verticals, and 2-0-0 oc purlins (3-11-2 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 9=Mechanical, 2=0-3-8
 Max Horz 2=79(LC 7)
 Max Uplift 9=-106(LC 5), 2=-138(LC 8)
 Max Grav 9=1337(LC 1), 2=1501(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2158/174, 4-5=-3524/249, 5-6=-3524/249, 6-7=-2591/184, 7-8=-2591/184, 8-9=-1255/148
BOT CHORD 2-14=-174/1783, 13-14=-172/1794, 11-13=-270/3687, 10-11=-270/3687
WEBS 4-13=-103/1886, 5-13=-462/148, 6-11=0/278, 6-10=-1187/76, 7-10=-439/156, 8-10=-211/2741

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - 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); 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.
 - 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 9.
 - 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.
 - "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) 163 lb down and 103 lb up at 3-5-4 on top chord, and 178 lb down and 61 lb up at 3-5-4 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).



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Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 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 21110328-02	Truss H1GRA	Truss Type HALF HIP GIRDER	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199787
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:48 2021 Page 2
ID:5LW3e3KbnmujEoocu3QUU8yjMRN-flUCas9qkT6_oBriECAA8DvN?j?TQxfcGGfPyTyB4Jn

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-60, 4-8=-60, 9-15=-20

Concentrated Loads (lb)

Vert: 4=-36(B) 14=-178(B) 19=-18(B) 20=-18(B) 21=-18(B) 22=-18(B) 24=-18(B) 25=-18(B) 26=-18(B) 27=-18(B) 28=-18(B) 29=-18(B) 30=-18(B) 31=-35(B) 32=-11(B) 33=-11(B) 34=-11(B) 35=-11(B) 36=-11(B) 37=-11(B) 38=-11(B) 39=-11(B) 40=-11(B) 41=-11(B) 42=-11(B) 43=-17(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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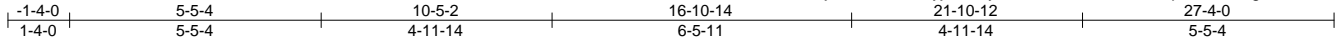
818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss H1SD	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199788
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:55 2021 Page 1

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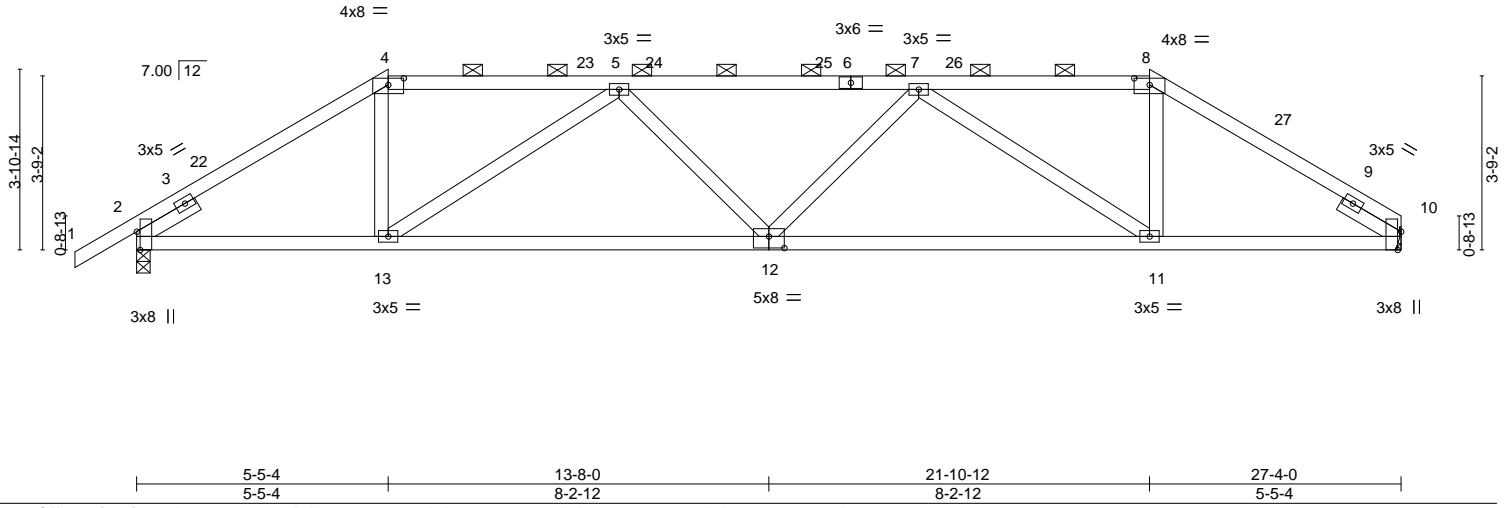


Plate Offsets (X,Y)-- [2:0-4-12,Edge], [4:0-4-0,0-1-11], [8:0-4-0,0-1-11], [10:0-4-12,Edge], [12:0-4-0,0-3-0]

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 0.63	Vert(LL)	-0.14	11-12	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.83	Vert(CT)	-0.34	12-13	>977	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.70	Horz(CT)	0.09	10	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-AS						Weight: 132 lb	FT = 20%

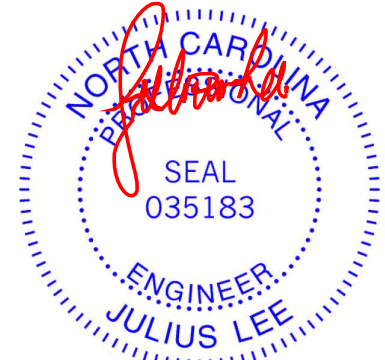
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-6-2 max.): 4-8.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 10=Mechanical, 2=0-3-8
Max Horz 2=63(LC 11)
Max Uplift 10=-7(LC 12), 2=-42(LC 12)
Max Grav 10=1091(LC 1), 2=1175(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1652/22, 4-5=-1338/43, 5-7=-2148/22, 7-8=-1351/48, 8-10=-1663/26
BOT CHORD 2-13=0/1361, 12-13=0/2057, 11-12=-6/2061, 10-11=0/1373
WEBS 4-13=0/600, 5-13=-920/37, 5-12=0/253, 7-12=0/251, 7-11=-915/52, 8-11=0/599

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCCL=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 5-5-4, Exterior(2R) 5-5-4 to 9-8-3, Interior(1) 9-8-3 to 21-10-12, Exterior(2R) 21-10-12 to 26-1-11, Interior(1) 26-1-11 to 27-4-0 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) 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 7 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 2021

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Job 21110328-02	Truss H1SC	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199789
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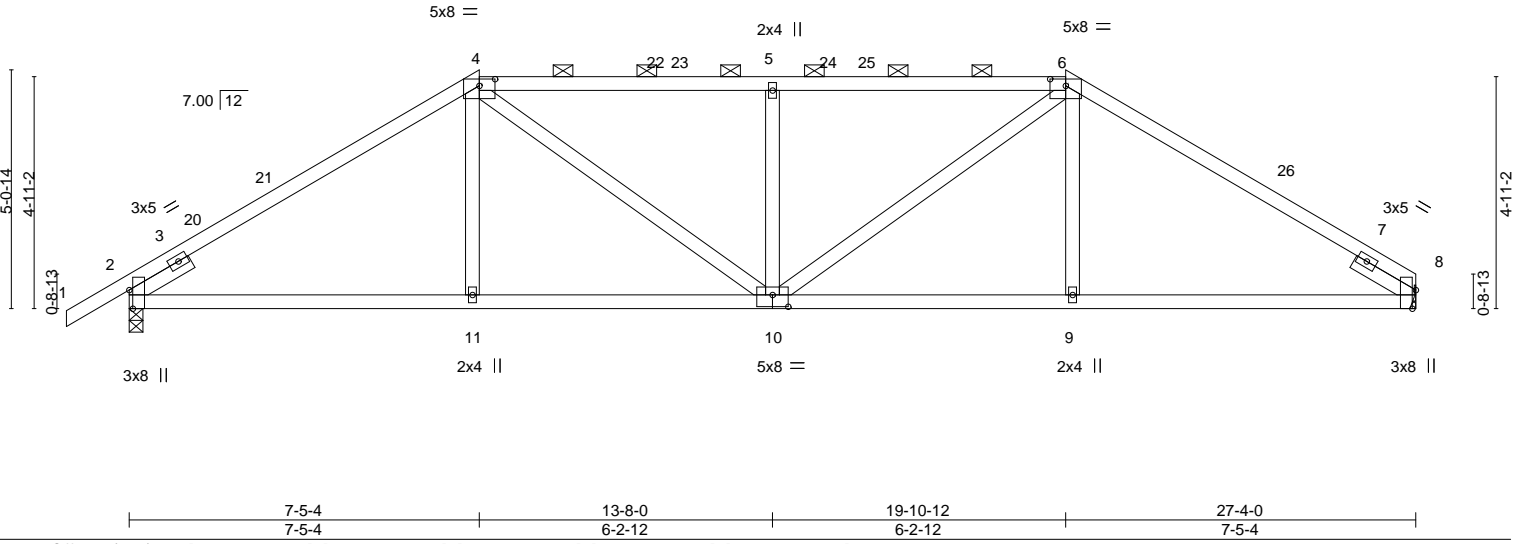
Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:53 2021 Page 1

ID:5LW3e3KbnmujEoocu3QUU8yjMRN-0iH5daDzZ?IHvzki1ImLrGcGoknJ5LCMQXMAegyB4Ji



Scale = 1:48.9



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.63	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	WB 0.63	Vert(LL) -0.08 9-10 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	BC 0.23	Vert(CT) -0.17 10-11 >999 180		
BCDL 10.0	Rep Stress Incr YES	WC 0.23	Horz(CT) 0.06 8 n/a n/a		
	Code IRC2018/TPI2014	Matrix-AS		Weight: 134 lb	FT = 20%

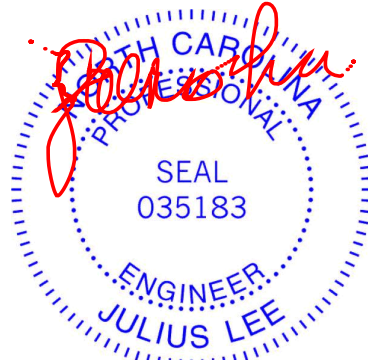
LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied, except
 2-0-0 oc purlins (4-0-12 max.): 4-6.
 BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=Mechanical, 2=0-3-8
 Max Horz 2=82(LC 11)
 Max Uplift 8=-7(LC 12), 2=-42(LC 12)
 Max Grav 8=1091(LC 1), 2=1175(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1596/41, 4-5=-1667/64, 5-6=-1667/64, 6-8=-1603/44
 BOT CHORD 2-11=0/1297, 10-11=0/1293, 9-10=0/1300, 8-9=0/1304
 WEBS 4-11=0/257, 4-10=-4/560, 5-10=-441/80, 6-10=-2/556, 6-9=0/259

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=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 7-5-4, Exterior(2R) 7-5-4 to 11-8-3, Interior(1) 11-8-3 to 19-10-12, Exterior(2R) 19-10-12 to 24-1-11, Interior(1) 24-1-11 to 27-4-0 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) 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 7 lb uplift at joint 8.
 - 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 2021

Job 21110328-02	Truss H1SB	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199790
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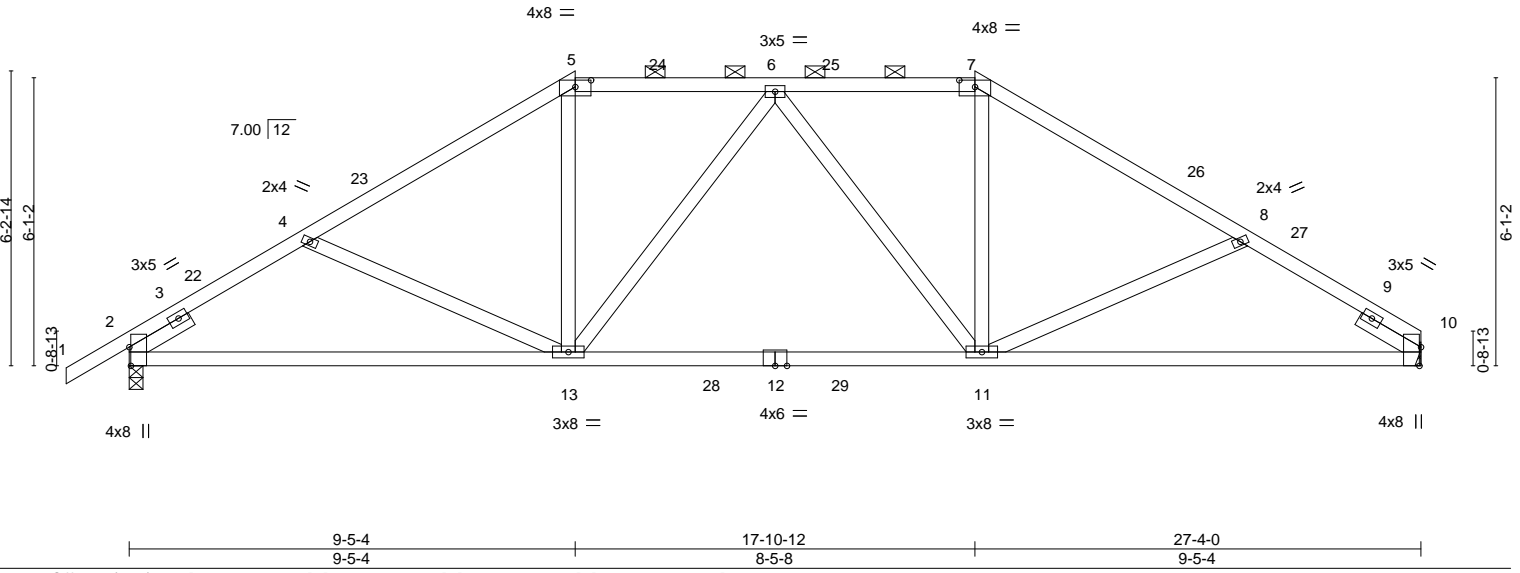
Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:52 2021 Page 1

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Scale = 1:48.8



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 0.53	Vert(LL)	-0.21 11-13	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.85	Vert(CT)	-0.34 11-13	>951	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.26	Horz(CT)	0.06 10	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-AS					Weight: 148 lb	FT = 20%

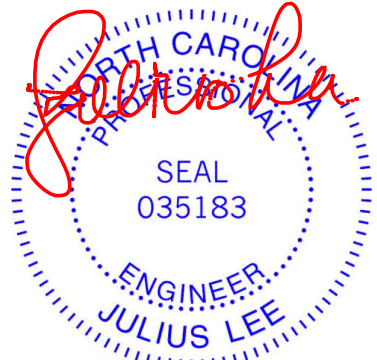
LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-11-14 max.): 5-7.
 BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 10=Mechanical, 2=0-3-8
 Max Horz 2=102(LC 11)
 Max Uplift 10=-7(LC 12), 2=-42(LC 12)
 Max Grav 10=1216(LC 18), 2=1290(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1776/62, 4-5=-1604/49, 5-6=-1336/70, 6-7=-1339/71, 7-8=-1609/51, 8-10=-1788/68
 BOT CHORD 2-13=-9/1545, 11-13=0/1428, 10-11=-16/1491
 WEBS 5-13=0/506, 6-13=-257/38, 6-11=-253/37, 7-11=0/508

- 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 9-5-4, Exterior(2R) 9-5-4 to 13-8-0, Interior(1) 13-8-0 to 17-10-12, Exterior(2R) 17-10-12 to 22-1-11, Interior(1) 22-1-11 to 27-4-0 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 10.
 - 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.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 2021

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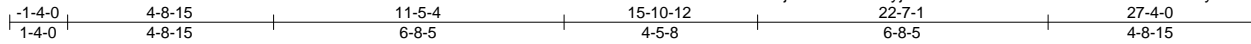


Job 21110328-02	Truss H1SA	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199791
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:51 2021 Page 1

ID:5LW3e3KbnmujEooc3QUU8yjMRN-4KALCuCi1OVZffaKwKktrmXv0w2ydOT3yDt3ZnyB4Jk



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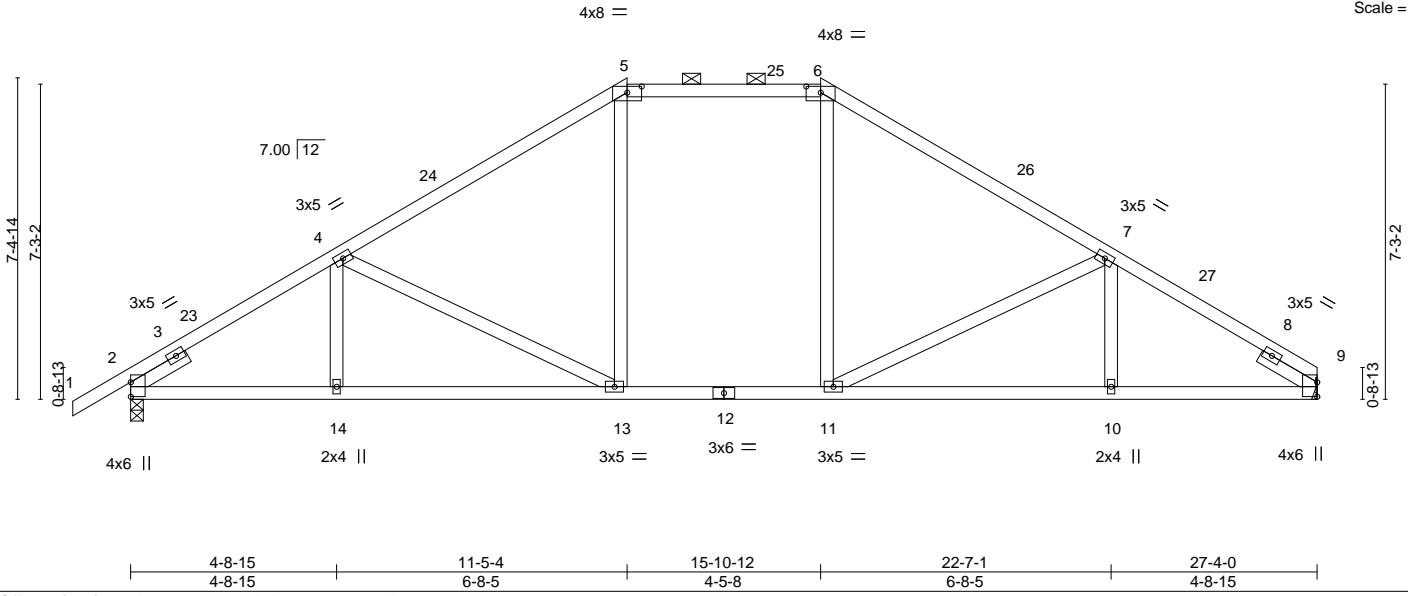


Plate Offsets (X,Y)-- [5:0-4-0,0-1-11], [6:0-4-0,0-1-11]

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 0.65	Vert(LL)	-0.27 13-14	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.82	Vert(CT)	-0.38 10-11	>873	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.44	Horz(CT)	0.07 9	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-AS					Weight: 143 lb	FT = 20%

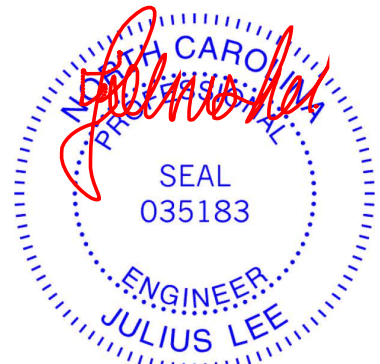
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-2-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 9=Mechanical, 2=0-3-8
Max Horz 2=122(LC 11)
Max Uplift 9=-7(LC 12), 2=-42(LC 12)
Max Grav 9=1230(LC 18), 2=1304(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1858/32, 4-5=-1468/74, 5-6=-1197/93, 6-7=-1473/75, 7-9=-1871/38
BOT CHORD 2-14=0/1624, 13-14=0/1624, 11-13=0/1234, 10-11=0/1554, 9-10=0/1554
WEBS 4-13=-425/61, 5-13=0/402, 6-11=0/404, 7-11=-440/68

- 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 11-5-4, Exterior(2E) 11-5-4 to 15-10-12, Exterior(2R) 15-10-12 to 20-1-11, Interior(1) 20-1-11 to 27-4-0 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) 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 7 lb uplift at joint 9.
 - 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 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



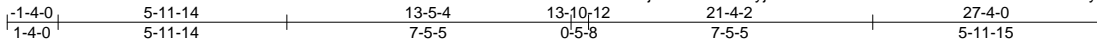
818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss H1S	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199792
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:49 2021 Page 1

ID:5LW3e3KbnmujEooc3QUU8yjMRN-7x2anCASVmeRQLQxovhPhQsb77Oy9XpmVwOyVvyB4Jm



6x10 =

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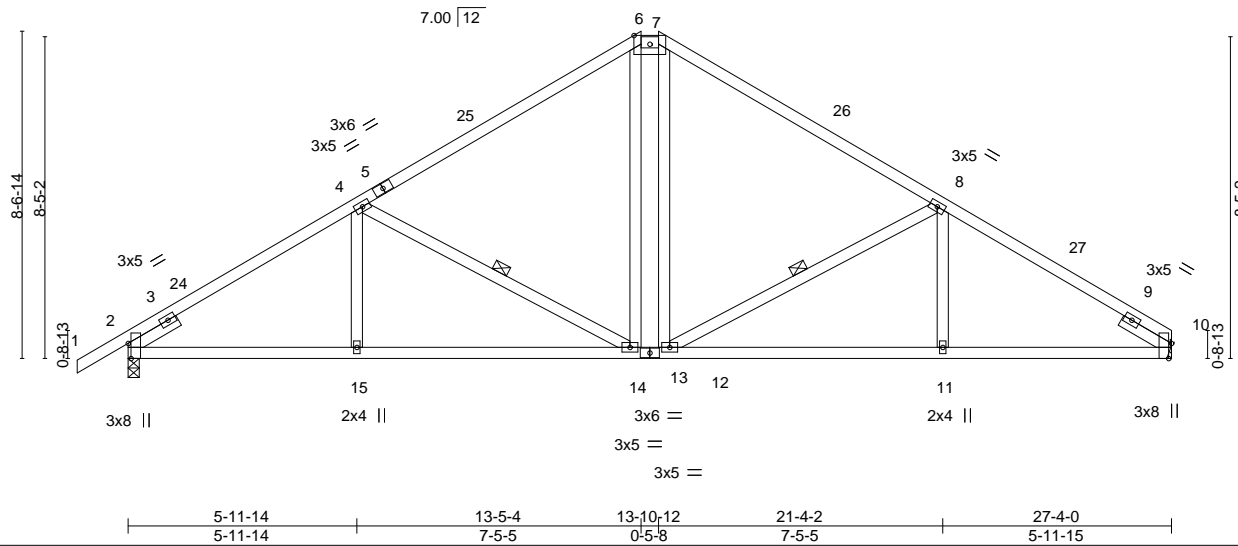


Plate Offsets (X,Y)-- [2:0-4-12,Edge], [6:0-5-0,0-2-12], [10:0-4-12,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.61	Vert(LL)	-0.09	11-12	>999	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.66	Vert(CT)	-0.21	14-15	>999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.19	Horz(CT)	0.07	10	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS					Weight: 153 lb	FT = 20%
	Code IRC2018/TPI2014							

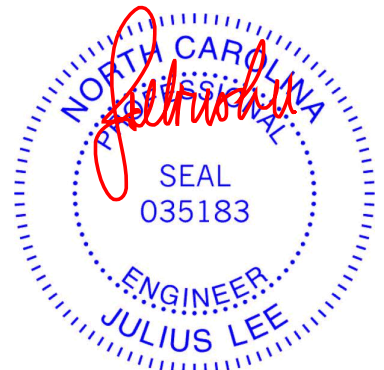
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-1-10 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-14, 8-12

REACTIONS. (size) 10=Mechanical, 2=0-3-8
Max Horz 2=142(LC 11)
Max Uplift 10=-7(LC 12), 2=-42(LC 12)
Max Grav 10=1091(LC 1), 2=1175(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1635/40, 4-6=-1209/87, 6-7=-947/107, 7-8=-1208/87, 8-10=-1646/44
BOT CHORD 2-15=0/1345, 14-15=0/1345, 12-14=0/947, 11-12=0/1357, 10-11=0/1357
WEBS 4-14=-495/71, 6-14=0/328, 7-12=0/328, 8-12=-508/76

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=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 13-5-4, Exterior(2E) 13-5-4 to 13-10-12, Exterior(2R) 13-10-12 to 18-1-11, Interior(1) 18-1-11 to 27-4-0 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) 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 7 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 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



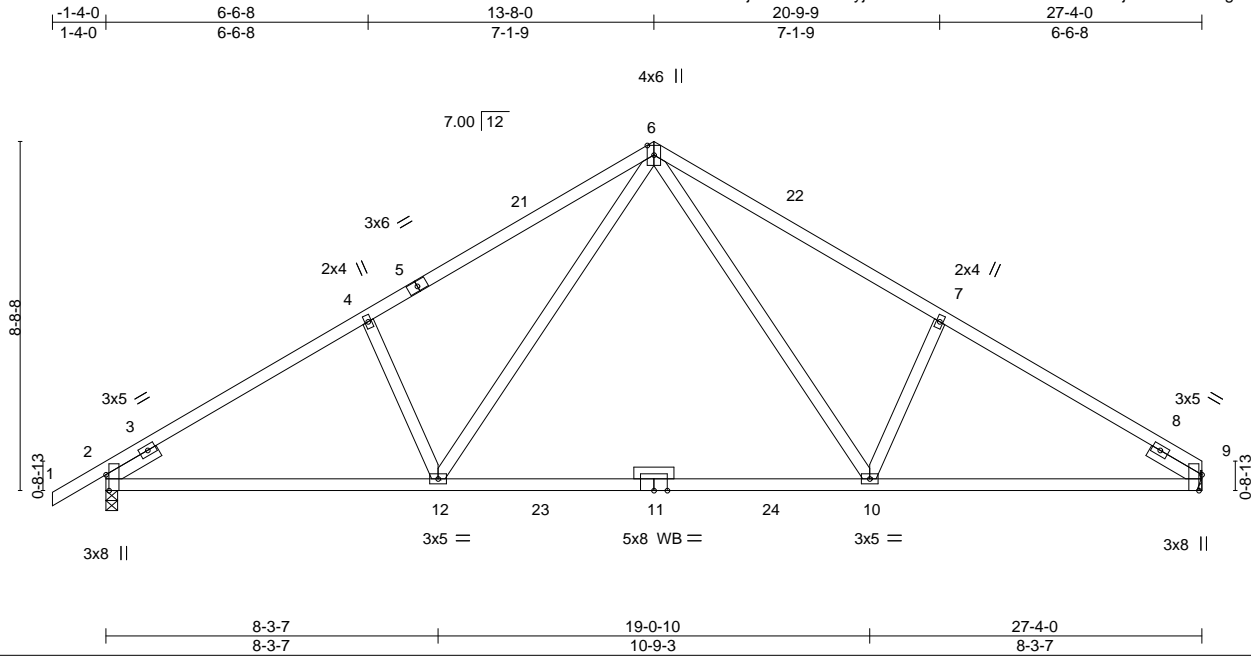
818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss T1	Truss Type COMMON	Qty 2	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199793
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:02 2021 Page 1

ID:5LW3e3KbnmujEooc3QUU8yjMRN-FRKVWfKcRmt?ULwR38QSjAUoImnRiO6gUR28SfyB4JZ



Scale = 1:57.5

Plate Offsets (X,Y)-- [2:0-4-12,Edge], [9:0-4-12,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.65	Vert(LL) -0.53	10-12	>624	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.89	Vert(CT) -0.83	10-12	>394	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.32	Horz(CT) 0.06	9	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-AS					Weight: 138 lb	FT = 20%

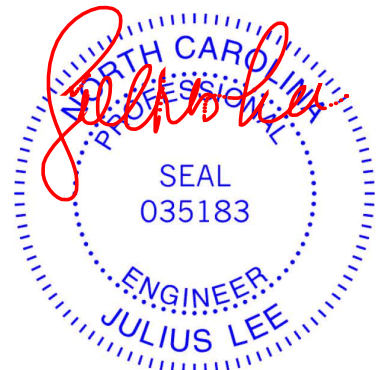
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 9=Mechanical, 2=0-3-8
Max Horz 2=145(LC 11)
Max Uplift 9=-7(LC 12), 2=-42(LC 12)
Max Grav 9=1233(LC 18), 2=1307(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1822/62, 4-6=-1723/121, 6-7=-1730/126, 7-9=-1829/67
BOT CHORD 2-12=0/1597, 10-12=0/1041, 9-10=0/1503
WEBS 6-10=-7/813, 7-10=-351/135, 6-12=-6/803, 4-12=-345/135

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=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 13-8-0, Exterior(2R) 13-8-0 to 16-8-0, Interior(1) 16-8-0 to 27-4-0 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
 - 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 7 lb uplift at joint 9.
 - 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.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



December 9, 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

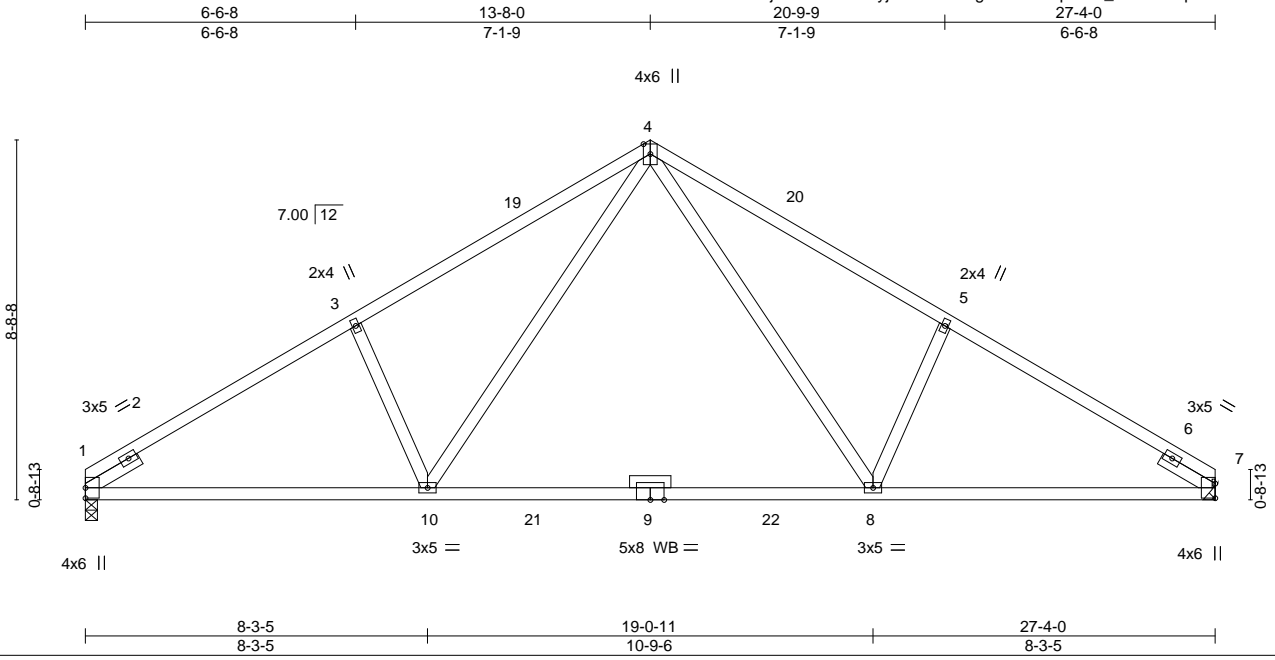
Job 21110328-02	Truss T1AA	Truss Type COMMON	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199794
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:05 2021 Page 1

ID:5LW3e3KbnmujEoocu3QUU8yjMRN-f00d8gMUKhGalpf0kG_9Lo6KHZp7vI7BPGo3_yB4JW

Job Reference (optional)



Scale = 1:55.7

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.60	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.89	Vert(LL) -0.53 8-10 >621 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.32	Vert(CT) -0.83 8-10 >393 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.06 7 n/a n/a		
	Code IRC2018/TPI2014			Weight: 136 lb	FT = 20%

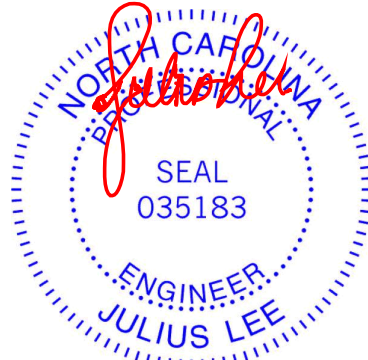
LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.1
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3
 SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied.
 BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=0-3-8, 7=Mechanical
 Max Horz 1=-136(LC 10)
 Max Uplift 1=-8(LC 12), 7=-8(LC 12)
 Max Grav 1=1235(LC 17), 7=1235(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-3=-1831/67, 3-4=-1733/126, 4-5=-1734/126, 5-7=-1831/67
 BOT CHORD 1-10=-2/1607, 8-10=0/1043, 7-8=0/1506
 WEBS 4-8=-7/813, 5-8=-351/135, 4-10=-7/813, 3-10=-351/135

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=6.0psf; BCCL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 13-8-0, Exterior(2R) 13-8-0 to 16-8-0, Interior(1) 16-8-0 to 27-4-0 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 BCCL = 10.0psf.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 7.
 - 7) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 1. 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



December 9, 2021

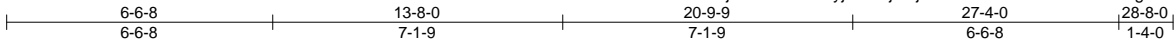
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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



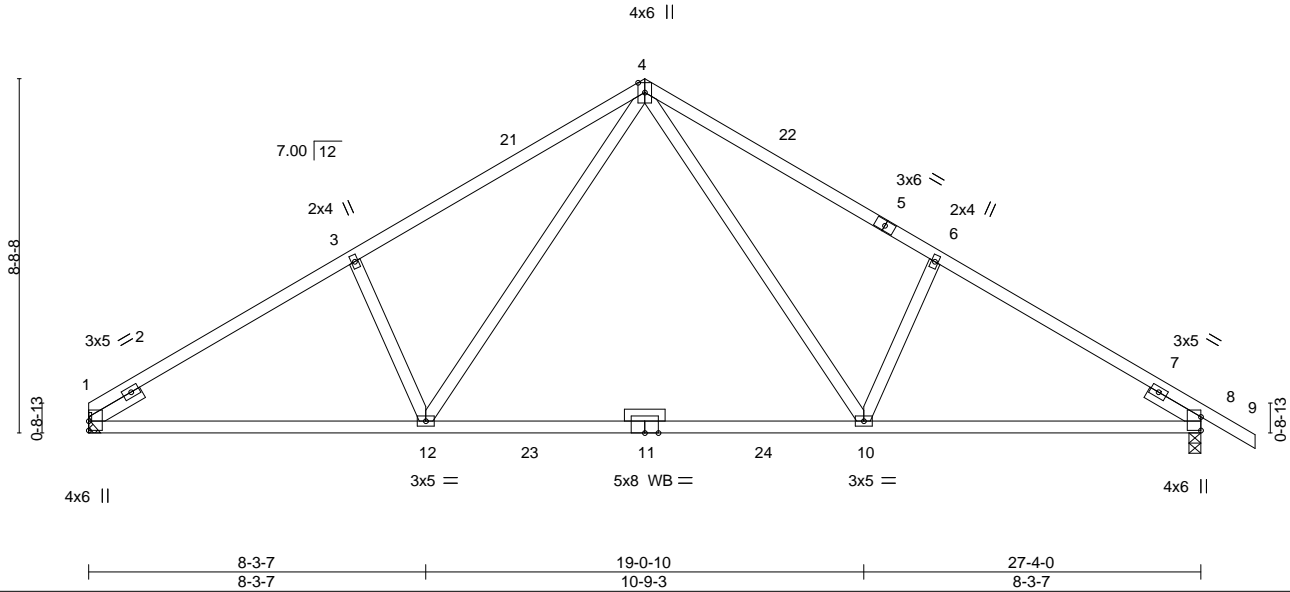
Job 21110328-02	Truss T1A	Truss Type COMMON	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199795
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:03 2021 Page 1
ID:5LW3e3KbnmujEoocu3QUU8yjMRN-jdutj?LEc4?s5VVddrxhFN1z2m7gRrMqj5ni_5yB4JY



Scale = 1:56.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.65	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.89	Vert(LL) -0.53 10-12 >624 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.32	Vert(CT) -0.83 10-12 >394 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.06 8 n/a n/a		
	Code IRC2018/TPI2014			Weight: 138 lb	FT = 20%

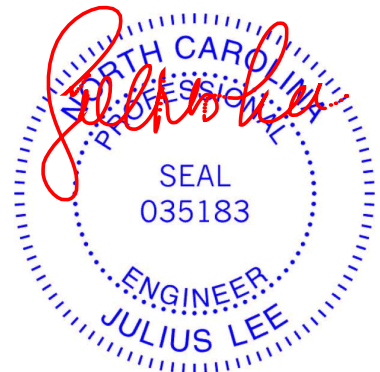
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 1=Mechanical, 8=0-3-8
Max Horz 1=-145(LC 10)
Max Uplift 1=-7(LC 12), 8=-42(LC 12)
Max Grav 1=1233(LC 17), 8=1307(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1829/67, 3-4=-1730/126, 4-6=-1723/121, 6-8=-1822/62
BOT CHORD 1-12=0/1612, 10-12=0/1049, 8-10=0/1493
WEBS 4-10=-6/803, 6-10=-345/135, 4-12=-7/813, 3-12=-351/135

- 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) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 13-8-0, Exterior(2R) 13-8-0 to 16-8-0, Interior(1) 16-8-0 to 28-8-0 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) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 7 lb uplift at joint 1.
 - 7) 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.
 - 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



December 9, 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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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss T1GR	Truss Type ROOF SPECIAL GIRDER	Qty 1	Ply 2	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199796
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:15 2021 Page 1

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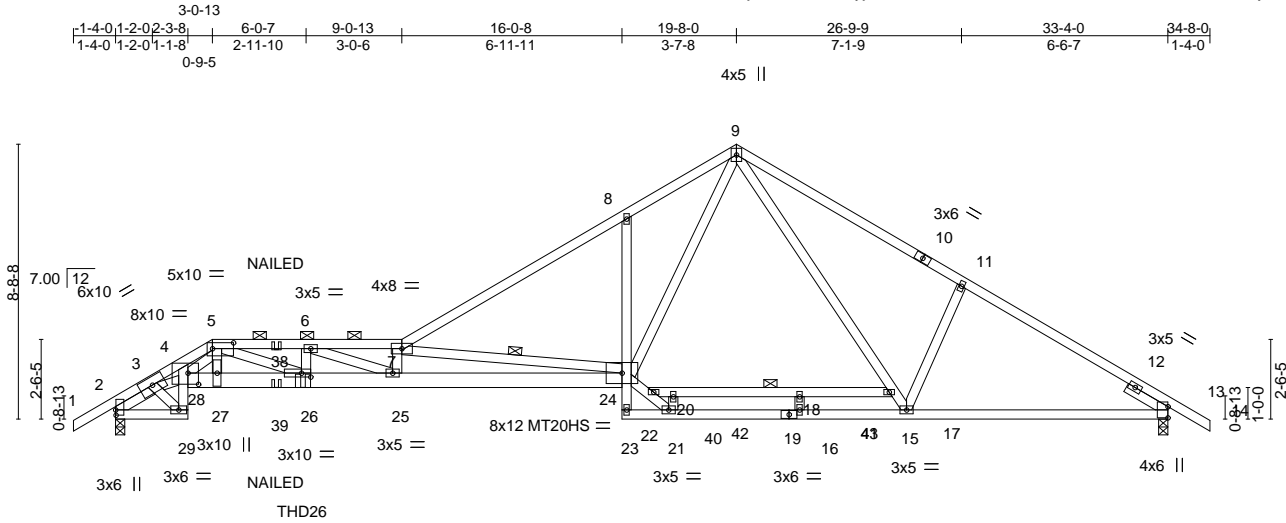


Plate Offsets (X,Y)--	[2:0-2-0,0-0-2], [4:0-4-0,0-4-4], [5:0-8-0,0-2-4], [26:0-3-8,0-1-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.84	Vert(LL)	-0.51	24-25	>786	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.90	Vert(CT)	-1.03	24-25	>390	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.91	Horz(CT)	0.34	13	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS					Weight: 424 lb	FT = 20%

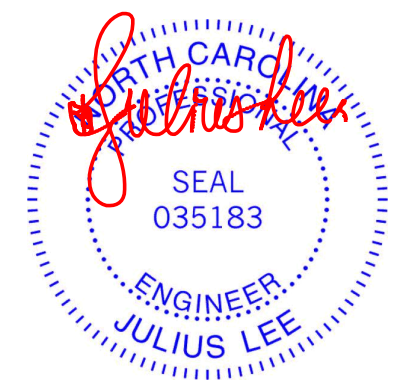
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-29: 2x4 SP No.1, 24-28: 2x6 SP 2400F 2.0E, 8-23: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
3-28,7-24: 2x4 SP No.2
SLIDER Left 2x4 SP No.3 1-4-1, Right 2x4 SP No.3 1-6-0

REACTIONS. (size) 2=0-3-8, 13=0-3-8
Max Horz 2=-149(LC 6)
Max Grav 2=2480(LC 2), 13=2089(LC 32)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-5 oc purlins, except 2-0-0 oc purlins (2-8-6 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 23-24,21-23. 6-0-0 oc bracing: 17-22
WEBS 1 Row at midpt 7-24

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1449/0, 3-4=-7393/0, 4-5=-7062/0, 5-6=-10239/0, 6-7=-12148/0, 7-8=-4258/0, 8-9=-4159/0, 9-11=-3081/0, 11-13=-3189/0
BOT CHORD 2-29=0/2385, 28-29=0/1755, 4-28=0/500, 27-28=0/6357, 26-27=0/6582, 25-26=0/10239, 24-25=0/12269, 23-24=-305/0, 8-24=-356/120, 21-23=-179/378, 16-21=0/2166, 15-16=0/2166, 13-15=0/2671
WEBS 3-29=-2224/0, 5-27=0/1810, 5-26=0/3947, 6-26=-975/0, 6-25=0/2458, 7-25=-1079/0, 9-24=0/3093, 9-17=0/768, 15-17=-19/663, 11-15=-313/167, 3-28=0/5465, 7-24=-8740/0, 20-21=-883/0, 22-24=0/2314, 21-22=0/2557

- 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, 2x6 - 2 rows staggered 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=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
 - 350.0lb AC unit load placed on the bottom chord, 19-8-0 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.
 - All plates are 2x4 MT20 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.



December 9, 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.

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818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss T1GR	Truss Type ROOF SPECIAL GIRDER	Qty 1	Ply 2	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199796
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:15 2021 Page 2
ID:5LW3e3KbnmujEoocu3QUU8yjMRN-NxcPF5UmNIW9YLPxJN9WkvWz2bCGF74bUyikPOyB4JM

NOTES-

- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Use MiTek THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent at 5-11-4 from the left end to connect truss(es) to back face of bottom chord, skewed 0.0 deg.to the left, sloping 0.0 deg. down.
- 14) Fill all nail holes where hanger is in contact with lumber.
- 15) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 111 lb down and 36 lb up at 3-0-13 on top chord, and 138 lb down and 46 lb up at 3-0-13 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, 5-7=-60, 7-9=-60, 9-14=-60, 29-30=-20, 24-28=-20, 23-34=-20, 17-22=-20

Concentrated Loads (lb)

Vert: 5=-33(B) 27=-138(B) 26=-636(B) 16=-175 21=-175 38=-12(B) 39=-24(B)

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



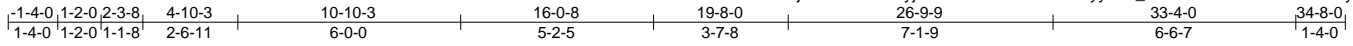
818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss T1B	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199797
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:06 2021 Page 1

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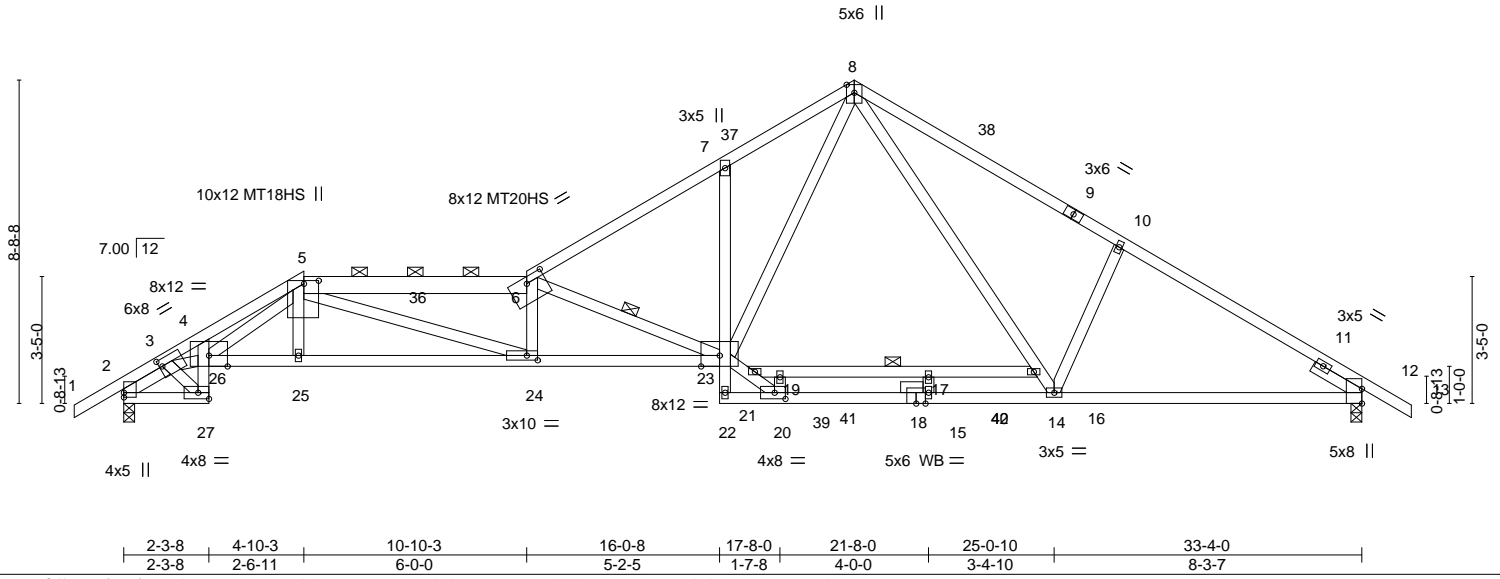


Plate Offsets (X,Y)-- [3:0-0-15,0-2-4], [5:0-1-0,0-4-12], [6:0-6-0,0-2-0], [20:0-3-8,0-2-0], [24:0-3-8,0-1-8]

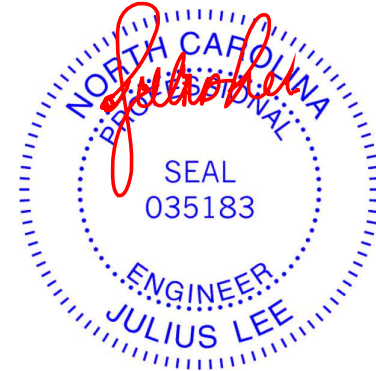
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.96	Vert(LL)	-0.40 23-24	>989	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.97	Vert(CT)	-0.82 23-24	>488	180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.84	Horz(CT)	0.35 12	n/a	n/a	MT18HS	244/190
BCDL 10.0	Code IRC2018/TPI2014		Matrix-AS						Weight: 210 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 5-6: 2x6 SP No.2, 9-13: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (2-7-3 max.): 5-6.
BOT CHORD 2x4 SP No.2 *Except* 4-27,18-22,12-18: 2x4 SP No.1, 23-26: 2x4 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 16-21
WEBS 2x4 SP No.3 *Except* 3-26,5-24,8-23,20-23: 2x4 SP No.2	WEBS 1 Row at midpt 6-23
OTHERS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 1-4-1, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 2=0-3-8, 12=0-3-8
Max Horz 2=149(LC 10)
Max Grav 2=1818(LC 17), 12=1972(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=761/0, 3-4=4938/0, 4-5=5005/0, 5-6=6376/0, 6-7=3691/0, 7-8=3617/0,
8-10=-2878/0, 10-12=-2982/0
BOT CHORD 2-27=0/1784, 26-27=0/1402, 25-26=0/3710, 24-25=0/3682, 23-24=0/6412, 22-23=-256/0,
20-22=-178/290, 15-20=0/2050, 14-15=0/2050, 12-14=0/2477
WEBS 3-27=-1737/0, 3-26=0/3676, 5-26=0/1021, 5-25=0/416, 5-24=0/2969, 6-24=-823/0,
6-23=-3451/0, 8-23=0/2582, 8-16=0/782, 14-16=-7/660, 10-14=-310/168, 19-20=-681/0,
21-23=0/2150, 20-21=0/2358

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=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 4-10-3, Exterior(2R) 4-10-3 to 7-10-3, Interior(1) 7-10-3 to 19-8-0, Exterior(2R) 19-8-0 to 22-8-0, Interior(1) 22-8-0 to 34-8-0 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, 19-8-0 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 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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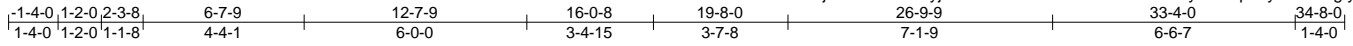
ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss T1C	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199798
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:08 2021 Page 1

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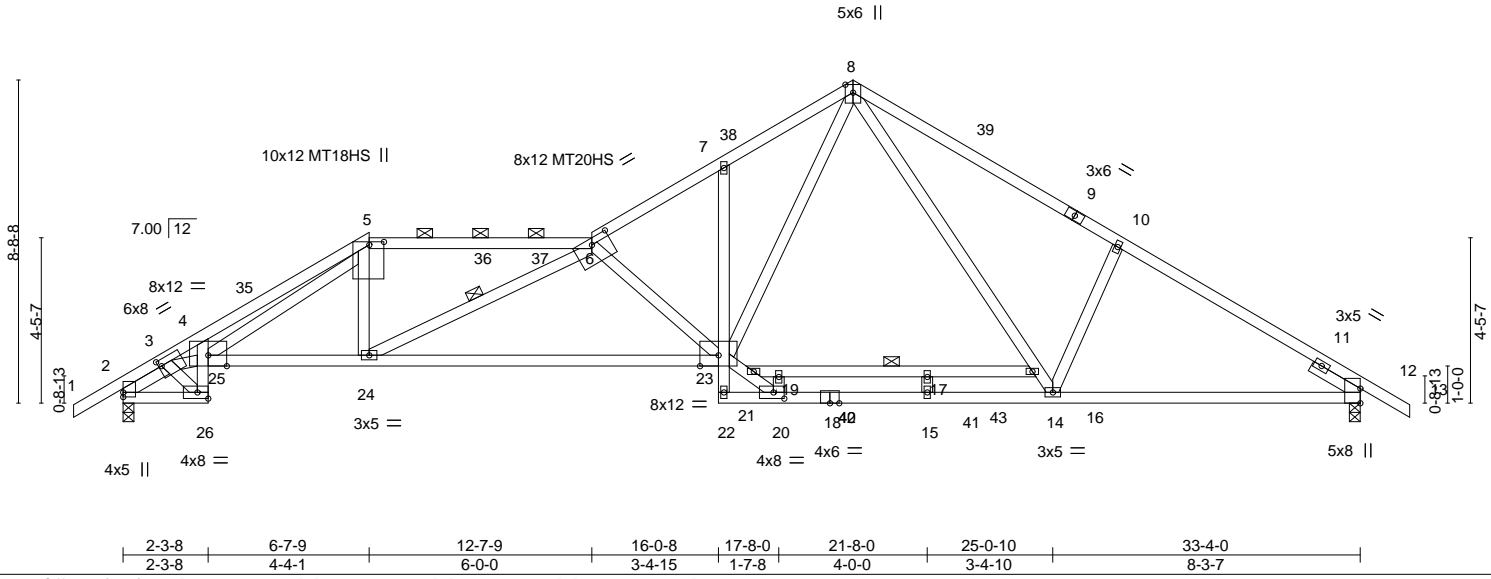


Plate Offsets (X,Y)-- [3:0-0-15,0-2-0], [5:0-1-0,0-4-12], [6:0-6-0,0-2-0], [20:0-3-8,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.95	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	WC 0.94	Vert(LL) -0.39 23-24 >999 240	MT20HS	187/143
BCLL 0.0 *	Lumber DOL 1.15	WB 0.92	Vert(CT) -0.81 23-24 >496 180	MT18HS	244/190
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.35 12 n/a n/a	Weight: 205 lb	FT = 20%
	Code IRC2018/TPI2014				

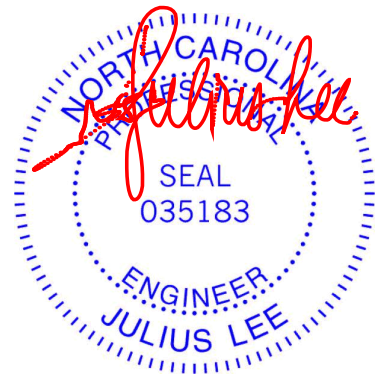
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
 1-5,9-13: 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
 2-26,7-22: 2x4 SP No.2, 23-25: 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
 8-23,3-25,20-23: 2x4 SP No.2
SLIDER Left 2x4 SP No.3 1-4-1, Right 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
 2-0-0 oc purlins (2-9-12 max.): 5-6.
BOT CHORD Rigid ceiling directly applied. Except:
 6-0-0 oc bracing: 16-21
WEBS 1 Row at midpt 6-24

REACTIONS. (size) 2=0-3-8, 12=0-3-8
 Max Horz 2=-149(LC 10)
 Max Grav 2=1820(LC 17), 12=1974(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-819/0, 3-4=-4967/0, 4-5=-5125/0, 5-6=-3122/0, 6-7=-3705/0, 7-8=-3591/0,
 8-10=-2878/0, 10-12=-2982/0
BOT CHORD 2-26=0/1770, 25-26=0/1405, 24-25=0/3262, 23-24=0/4696, 22-23=-269/0, 15-20=0/2038,
 14-15=0/2038, 12-14=0/2478
WEBS 5-24=0/1227, 6-23=-2004/0, 8-23=0/2563, 8-16=0/766, 14-16=-11/649, 10-14=-310/167,
 3-26=-1741/0, 3-25=0/3726, 6-24=-1745/0, 19-20=-748/0, 21-23=0/2242, 20-21=0/2464,
 5-25=0/1585

- 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 6-7-9, Exterior(2R) 6-7-9 to 9-7-9, Interior(1) 9-7-9 to 19-8-0, Exterior(2R) 19-8-0 to 22-8-0, Interior(1) 22-8-0 to 34-8-0 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, 19-8-0 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.
 - All plates are 2x4 MT20 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.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 2021

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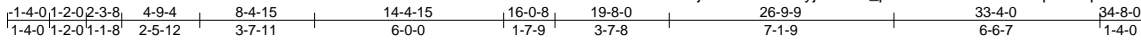
ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job 21110328-02	Truss T1D	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199799
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:10 2021 Page 1

ID:5LW3e3KbnmujEoocu3QUU8yjMRN-0_pWBOQdZDusRaXzXpaK2sp5aaVJatHsKh_ZkByB4JR



5x6 ||

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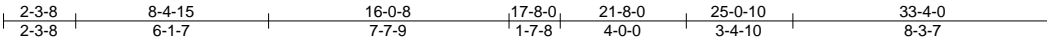
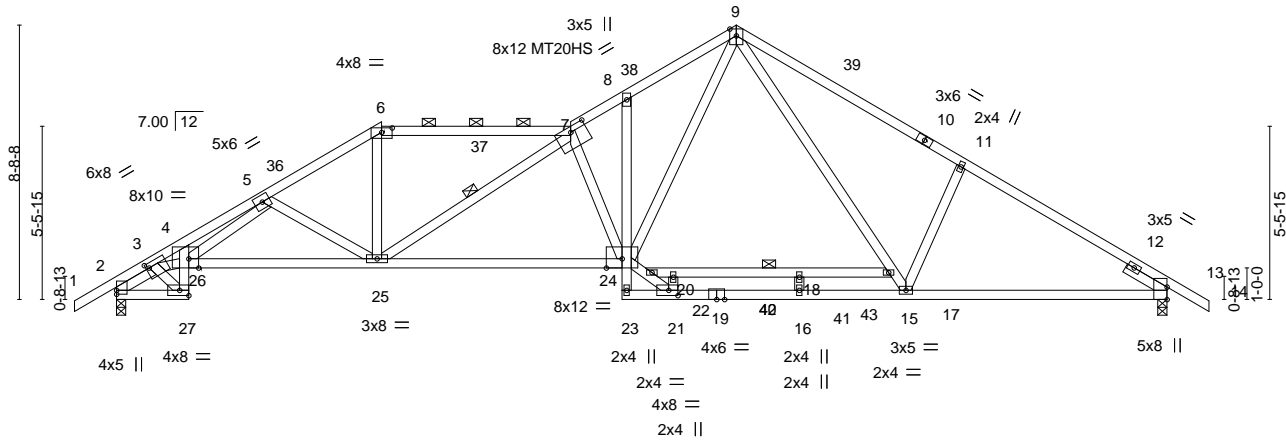


Plate Offsets (X,Y)-- [3:0-1-3,0-1-12], [4:0-3-12,Edge], [6:0-4-0,0-1-11], [7:0-6-0,0-2-0], [21:0-3-8,0-2-0]

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 0.95	Vert(LL)	-0.34 24-25	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.95	Vert(CT)	-0.68 24-25	>593	180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.88	Horz(CT)	0.34 13	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-AS					Weight: 210 lb	FT = 20%

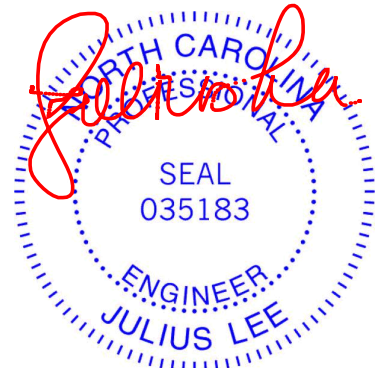
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
 10-14: 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
 2-27,8-23,17-22: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
 3-26,9-24,21-24: 2x4 SP No.2
SLIDER Left 2x4 SP No.3 1-4-1, Right 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
 2-0-0 oc purlins (2-8-10 max.): 6-7.
BOT CHORD Rigid ceiling directly applied. Except:
 6-0-0 oc bracing: 17-22
WEBS 1 Row at midpt 7-25

REACTIONS. (size) 2=0-3-8, 13=0-3-8
 Max Horz 2=149(LC 11)
 Max Grav 2=1822(LC 17), 13=1976(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-756/0, 3-4=-5048/0, 4-5=-5489/0, 5-6=-3278/0, 6-7=-2779/0, 7-8=-3711/0,
 8-9=-3573/0, 9-11=-2884/0, 11-13=-2988/0
BOT CHORD 2-27=0/1793, 26-27=0/1514, 25-26=0/3455, 24-25=0/3816, 23-24=-274/0, 16-21=0/2035,
 15-16=0/2035, 13-15=0/2482
WEBS 3-27=-1895/0, 3-26=0/3842, 6-25=0/1321, 7-25=-1248/0, 7-24=-1632/0, 9-24=0/2542,
 9-17=0/772, 15-17=-6/659, 11-15=-309/167, 20-21=-697/0, 22-24=0/2210, 21-22=0/2414,
 5-25=-644/31, 5-26=0/1860

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=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 8-4-15, Exterior(2R) 8-4-15 to 11-4-15, Interior(1) 11-4-15 to 19-8-0, Exterior(2R) 19-8-0 to 22-8-0, Interior(1) 22-8-0 to 34-8-0 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, 19-8-0 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.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



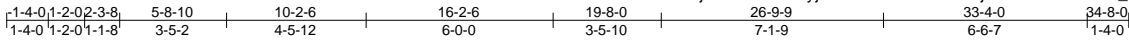
December 9, 2021

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 21110328-02	Truss T1E	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199800
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Carter Components (Lexington), Lexington, NC - 27295, 8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:11 2021 Page 1
ID:5LW3e3KbnmujEooc3QUU8yjMRN-UANuPkRFX0j3k6A4X5aa3MGB_rrJJ3?ZLk7GdyB4JQ



5x6 ||

Scale = 1:73.9

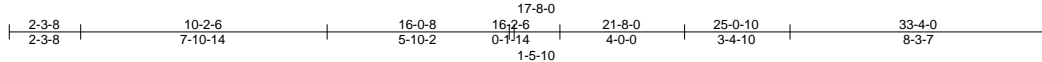
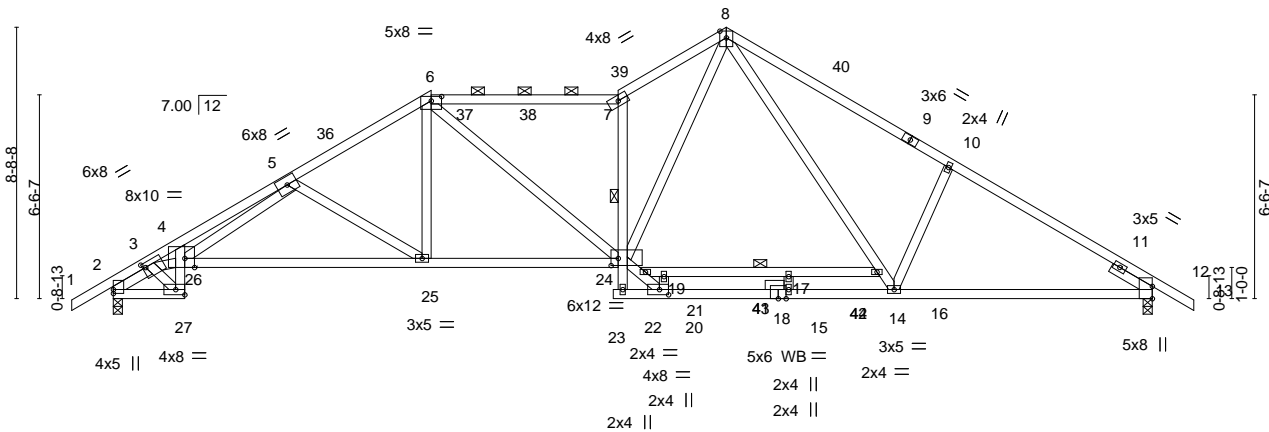


Plate Offsets (X,Y)-- [3:0-1-3,0-1-12], [4:0-3-12,Edge], [6:0-4-0,0-1-11], [20:0-3-8,0-2-0], [24:0-2-12,0-2-12]

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 0.96	Vert(LL)	-0.28	25-26	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.93	Vert(CT)	-0.59	15-20	>682		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.91	Horz(CT)	0.33	12	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-AS					Weight: 210 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-6,9-13: 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
2-27: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
3-26,8-24,20-24,7-22: 2x4 SP No.2
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-4-1, Right 2x4 SP No.3 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (2-2-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied. Except:
6-0-0 oc bracing: 16-21
WEBS 1 Row at midpt 7-22

REACTIONS.

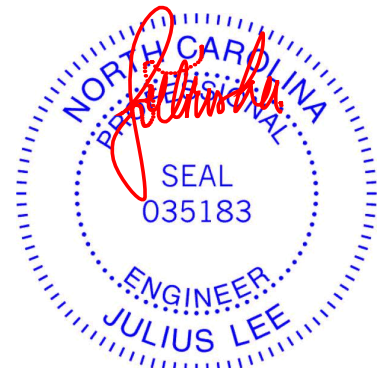
(size) 2=0-3-8, 12=0-3-8
Max Horz 2=149(LC 10)
Max Grav 2=1824(LC 17), 12=1978(LC 18)

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

TOP CHORD 2-3=808/0, 3-4=5082/0, 4-5=5614/0, 5-6=3021/0, 6-7=3151/0, 7-8=3687/0,
8-10=-2886/0, 10-12=-2990/0
BOT CHORD 2-27=0/1784, 26-27=0/1557, 25-26=0/3222, 24-25=0/2636, 15-20=0/2032, 14-15=0/2032,
12-14=0/2484
WEBS 3-27=-1957/0, 3-26=0/3911, 6-25=0/659, 6-24=0/871, 8-24=0/2677, 8-16=0/771,
14-16=-13/650, 10-14=-311/168, 19-20=-810/0, 21-24=0/2210, 20-21=0/2478,
5-25=-664/54, 5-26=0/2205, 7-24=-2097/0

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=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 10-2-6, Exterior(2R) 10-2-6 to 13-2-6, Interior(1) 13-2-6 to 19-8-0, Exterior(2R) 19-8-0 to 22-8-0, Interior(1) 22-8-0 to 34-8-0 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, 19-8-0 from left end, supported at two points, 4-0-0 apart.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9,2021

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



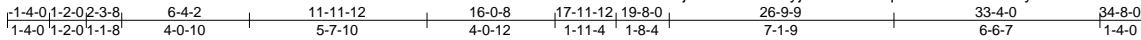
818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss T1F	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199801
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:13 2021 Page 1

ID:5LW3e3KbnmujEooc3QUU8yMRN-QZVfqPTWs8GRH1GYCy72fURc8oVmnDMIOeDELWyB4JO



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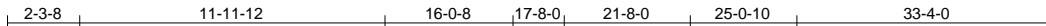
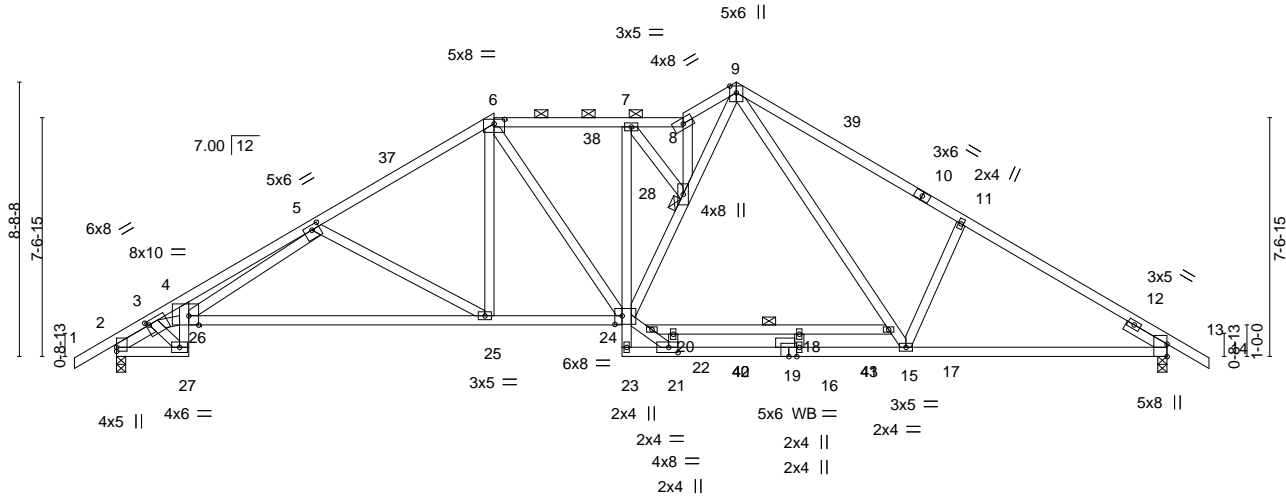


Plate Offsets (X,Y)-- [3:0-1-3,0-1-8], [4:0-3-12,Edge], [5:0-3-0,0-1-12], [6:0-4-0,0-1-11], [21:0-3-8,0-2-0], [24:0-2-12,0-3-4]

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 0.93	Vert(LL)	-0.36 25-26	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.97	Vert(CT)	-0.78 25-26	>514	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.92	Horz(CT)	0.33 13	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-AS					Weight: 223 lb	FT = 20%

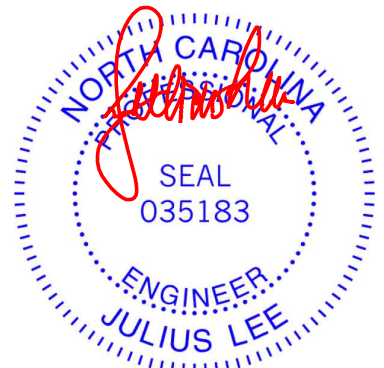
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
 1-6,10-14: 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except*
 24-26,19-23,13-19: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
 3-26,9-24,21-24: 2x4 SP No.2
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-4-1, Right 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
 2-0-0 oc purlins (2-11-14 max.): 6-8.
BOT CHORD Rigid ceiling directly applied. Except:
 6-0-0 oc bracing: 17-22
JOINTS 1 Brace at Jt(s): 28

REACTIONS. (size) 2=0-3-8, 13=0-3-8
 Max Horz 2=149(LC 10)
 Max Grav 2=1826(LC 17), 13=1980(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=809/0, 3-4=5162/0, 4-5=5709/0, 5-6=2818/0, 6-7=2640/0, 7-8=3113/0,
 8-9=3477/0, 9-11=2890/0, 11-13=2995/0
BOT CHORD 2-27=0/1785, 26-27=0/1630, 25-26=0/3108, 24-25=0/2432, 7-24=-943/0, 21-23=-154/311,
 16-21=0/2053, 15-16=0/2053, 13-15=0/2487
WEBS 3-27=-2059/0, 3-26=0/4034, 5-26=0/2412, 5-25=-751/75, 6-25=0/736, 6-24=0/595,
 9-17=0/774, 15-17=-7/647, 11-15=-302/168, 24-28=0/1420, 9-28=0/2515, 8-28=-1614/0,
 20-21=666/0, 22-24=0/2095, 21-22=0/2308, 7-28=0/760

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=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 11-11-12, Exterior(2R) 11-11-12 to 14-11-12, Interior(1) 14-11-12 to 19-8-0, Exterior(2R) 19-8-0 to 22-8-0, Interior(1) 22-8-0 to 34-8-0 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, 19-8-0 from left end, supported at two points, 4-0-0 apart.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 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



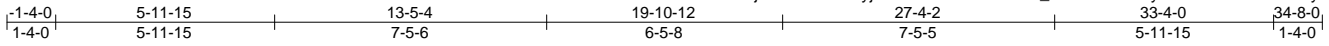
818 Soundside Road
 Edenton, NC 27932

Job 21110328-02	Truss H1	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199802
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:37 2021 Page 1

ID:5LW3e3KbnmujEoocuu3QUU8yjMRN-UdJ2G61wK4kY_VVWe5OUbCuyU5HD9L6b?k2UK3byB4Jy



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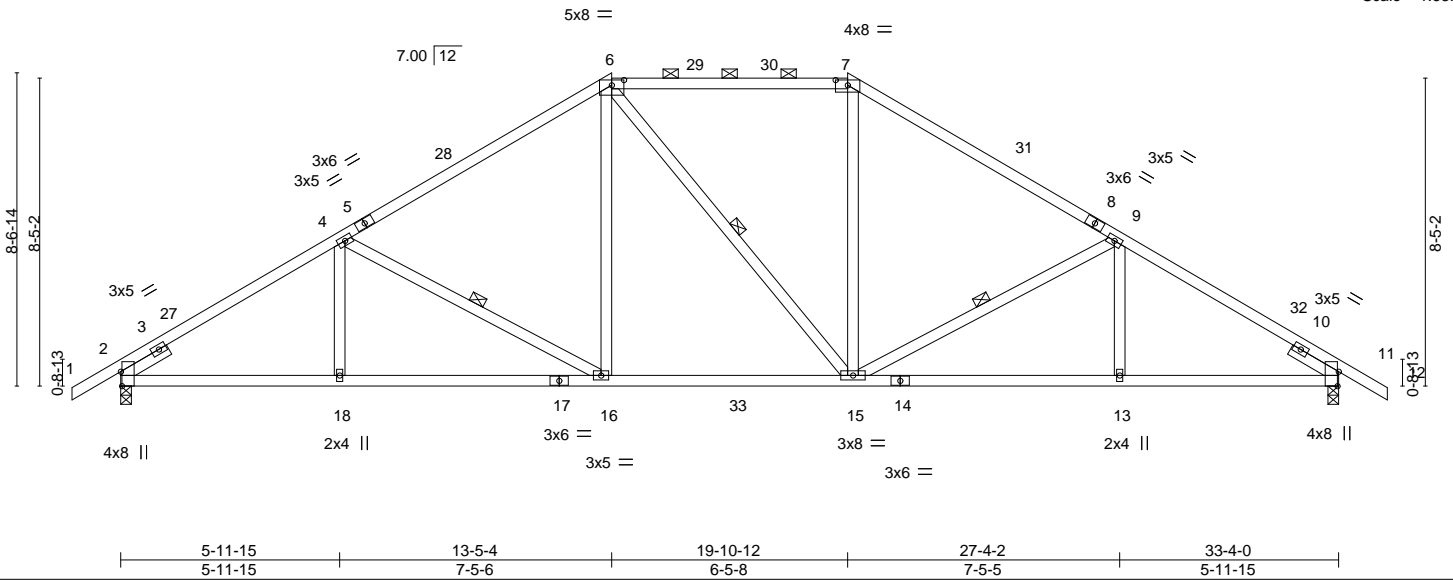


Plate Offsets (X,Y)-- [2:0-4-12,Edge], [6:0-4-0,0-1-11], [7:0-4-0,0-1-11], [11:0-4-12,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.81	Vert(LL) -0.16	13-15	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.98	Vert(CT) -0.33	16-18	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.21	Horz(CT) 0.11	11	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-AS					Weight: 188 lb	FT = 20%

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

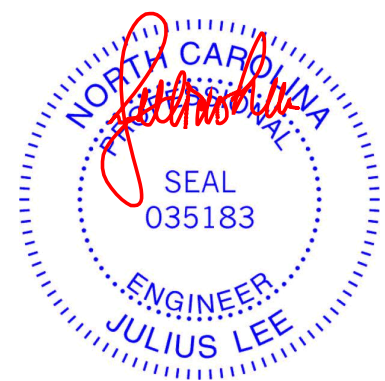
BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-6-4 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-16, 9-15, 6-15

REACTIONS. (size) 2=0-3-8, 11=0-3-8
Max Horz 2=145(LC 11)
Max Uplift 2=-43(LC 12), 11=-43(LC 12)
Max Grav 2=1559(LC 17), 11=1554(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2274/42, 4-6=-1811/88, 6-7=-1489/108, 7-9=-1801/88, 9-11=-2266/42
BOT CHORD 2-18=0/1991, 16-18=0/1991, 15-16=0/1552, 13-15=0/1875, 11-13=0/1875
WEBS 4-16=-487/73, 6-16=0/534, 7-15=0/509, 9-15=-489/74

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 13-5-4, Exterior(2R) 13-5-4 to 17-8-3, Interior(1) 17-8-3 to 19-10-12, Exterior(2R) 19-10-12 to 24-1-11, Interior(1) 24-1-11 to 34-8-0 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.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9,2021

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818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss H1A	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199803
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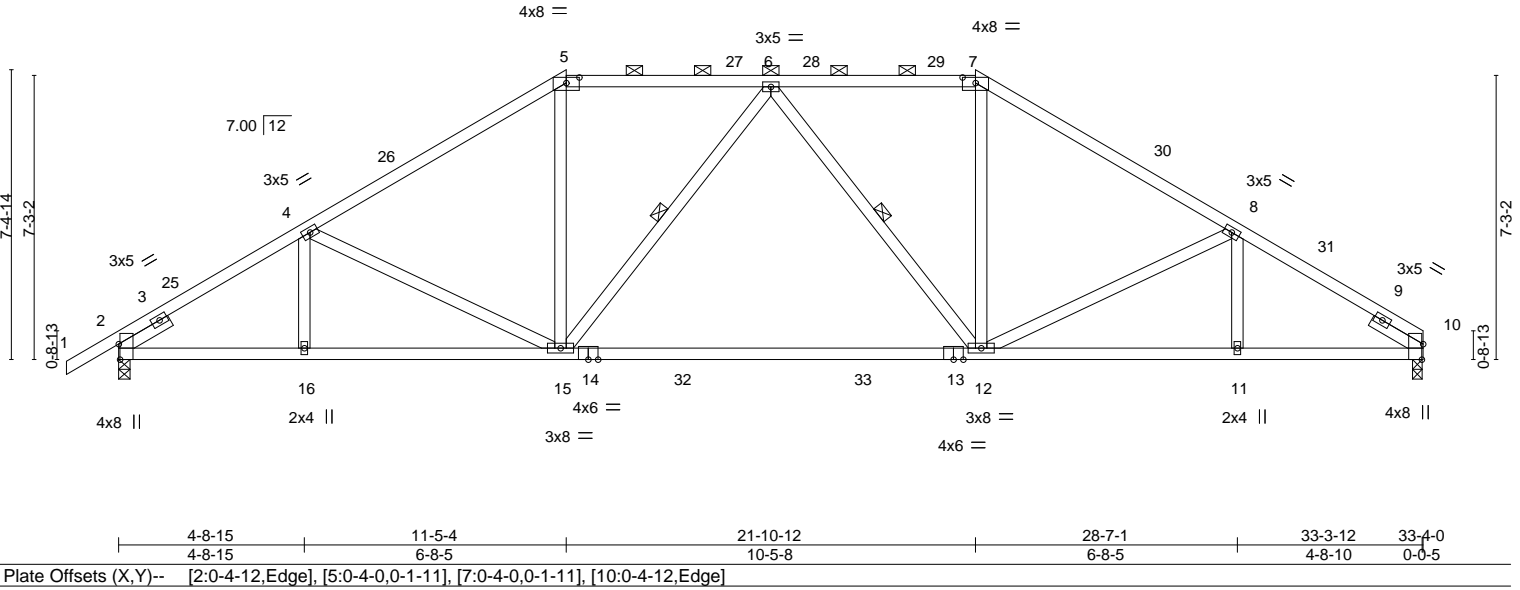
Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:38 2021 Page 1

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Scale = 1:58.9



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.69	Vert(LL) -0.46 12-15 >864 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.92	Vert(CT) -0.77 12-15 >520 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.29	Horz(CT) 0.09 10 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-AS		Weight: 186 lb	FT = 20%

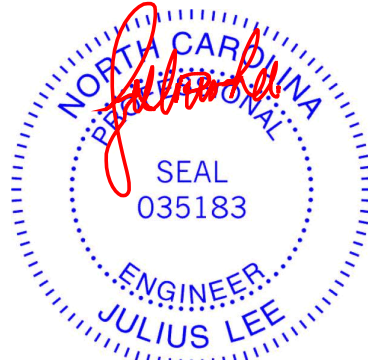
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-4-10 max.): 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-15, 6-12

REACTIONS. (size) 10=0-2-15, 2=0-3-8
Max Horz 2=122(LC 11)
Max Uplift 10=-9(LC 12), 2=-44(LC 12)
Max Grav 10=1493(LC 18), 2=1567(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2266/42, 4-5=-2000/67, 5-6=-1668/87, 6-7=-1671/87, 7-8=-2003/68, 8-10=-2280/48
BOT CHORD 2-16=0/1971, 15-16=0/1971, 12-15=0/1788, 11-12=0/1901, 10-11=0/1901
WEBS 4-15=-278/77, 5-15=0/653, 6-15=-322/48, 6-12=-320/44, 7-12=0/654, 8-12=-291/83

- 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=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 11-5-4, Exterior(2R) 11-5-4 to 15-8-3, Interior(1) 15-8-3 to 21-10-12, Exterior(2R) 21-10-12 to 26-1-11, Interior(1) 26-1-11 to 33-4-0 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.
 - Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10 and 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.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9,2021

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

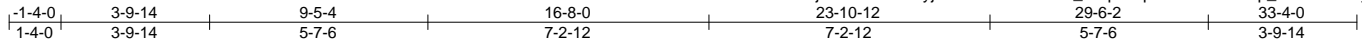
ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss H1B	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199804
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:39 2021 Page 1

ID:5LW3e3KbnmujEooc3QUU8yjMRN-Q0Rohn2Bsi_GDpf0DpW3HJ1sQ5zYp_BICMzQ8UyB4Jw



Scale = 1:59.3

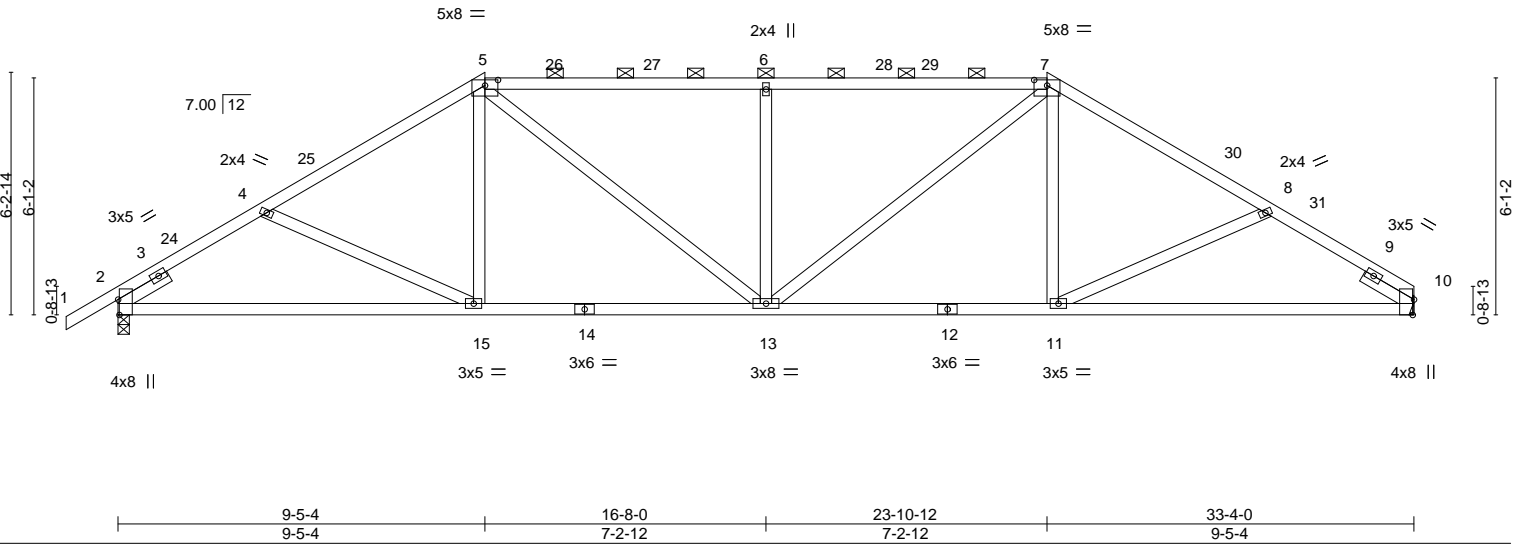


Plate Offsets (X,Y)--	[2:0-4-12,Edge], [5:0-4-0,0-1-11], [7:0-4-0,0-1-11], [10:0-4-12,Edge]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.69	Vert(LL) -0.17 13-15 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.73	Vert(CT) -0.30 13-15 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.33	Horz(CT) 0.09 10 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-AS		Weight: 180 lb	FT = 20%

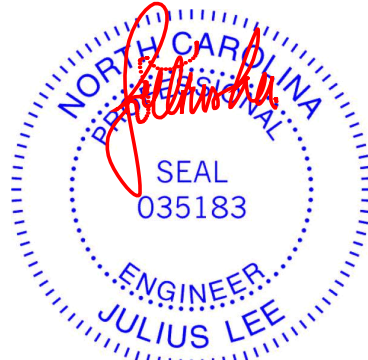
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1 *Except*
12-14: 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

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

REACTIONS. (size) 10=Mechanical, 2=0-3-8
Max Horz 2=102(LC 11)
Max Uplift 10=-9(LC 12), 2=-44(LC 12)
Max Grav 10=1498(LC 18), 2=1572(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2250/65, 4-5=-2102/54, 5-6=-2190/86, 6-7=-2190/86, 7-8=-2108/56,
8-10=-2264/71
BOT CHORD 2-15=-11/1937, 13-15=0/1823, 11-13=0/1766, 10-11=-18/1884
WEBS 5-15=0/374, 5-13=-14/612, 6-13=-499/96, 7-13=-12/609, 7-11=0/376

- 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 9-5-4, Exterior(2R) 9-5-4 to 13-8-3, Interior(1) 13-8-3 to 23-10-12, Exterior(2R) 23-10-12 to 28-1-11, Interior(1) 28-1-11 to 33-4-0 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 10.
 - 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.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9,2021

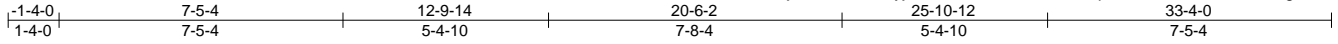
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 21110328-02	Truss H1C	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199805
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:41 2021 Page 1
ID:5LW3e3KbnmujEoocuz3QUU8yjMRN-MPZZ6T4ROJE_T7pPKEYXMK67fuawHkEafgSXDnyB4Ju



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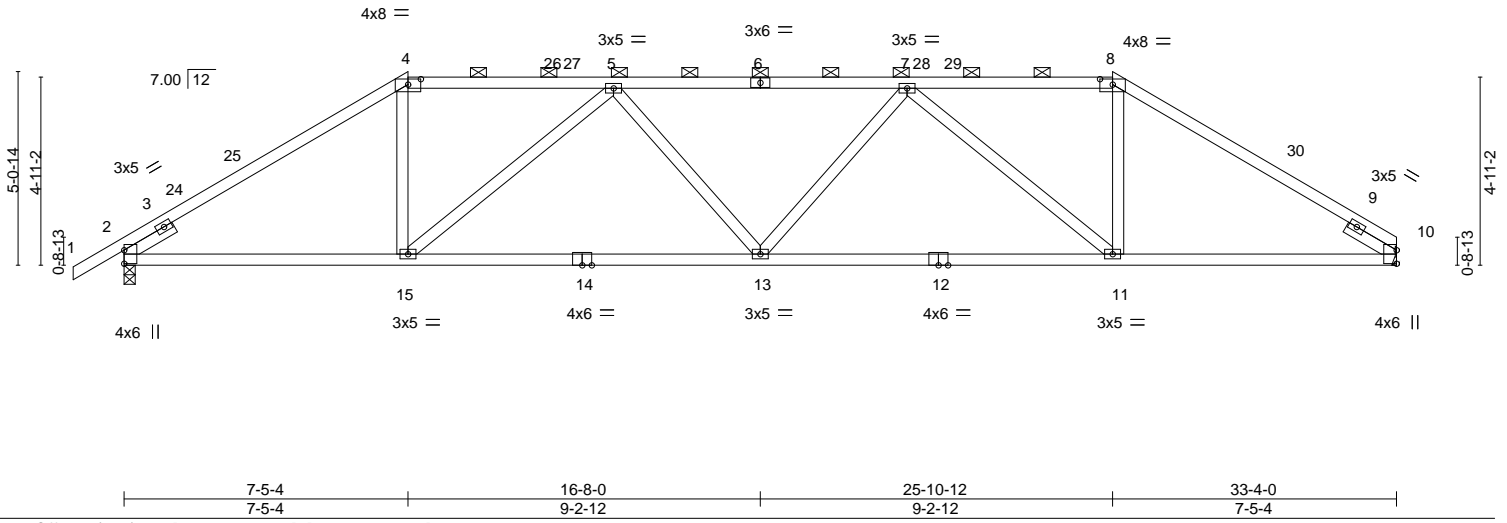


Plate Offsets (X,Y)-- [4:0-4-0,0-1-11], [8:0-4-0,0-1-11]

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 0.96	Vert(LL)	-0.20	11-13	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.99	Vert(CT)	-0.46	13-15	>869		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.94	Horz(CT)	0.12	10	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-AS					Weight: 161 lb	FT = 20%

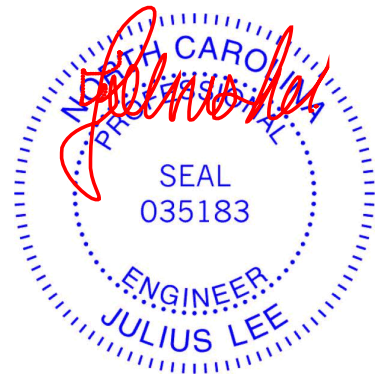
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

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

REACTIONS. (size) 10=Mechanical, 2=0-3-8
Max Horz 2=82(LC 11)
Max Uplift 10=-9(LC 12), 2=-44(LC 12)
Max Grav 10=1332(LC 1), 2=1415(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2037/36, 4-5=-1650/63, 5-7=-2384/40, 7-8=-1659/67, 8-10=-2045/39
BOT CHORD 2-15=0/1670, 13-15=0/2298, 11-13=0/2301, 10-11=0/1679
WEBS 4-15=0/720, 5-15=-925/36, 5-13=0/262, 7-13=0/261, 7-11=-920/33, 8-11=0/719

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCCL=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 7-5-4, Exterior(2R) 7-5-4 to 11-8-3, Interior(1) 11-8-3 to 25-10-12, Exterior(2R) 25-10-12 to 30-1-11, Interior(1) 30-1-11 to 33-4-0 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) 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 9 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 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



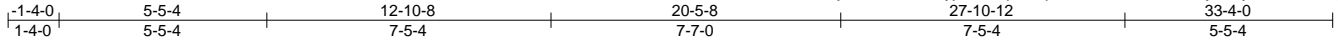
818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss H1D	Truss Type HIP	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199806
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:42 2021 Page 1

ID:5LW3e3KbnmujEooc3QUU8yjMRN-qb7xJp539dMr4GObux3rmvylLnlyZ0FikuKC5lpyB4Jt



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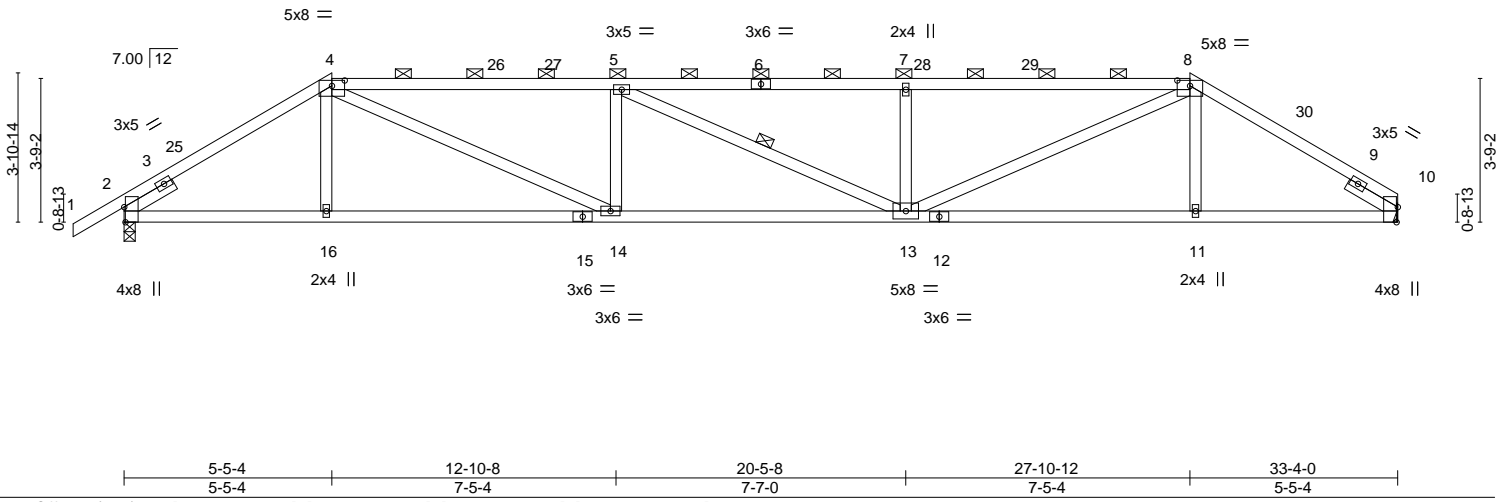


Plate Offsets (X,Y)-- [2:0-4-12,Edge], [4:0-4-0,0-1-11], [8:0-4-0,0-1-11], [10:0-4-12,Edge]

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 0.81	Vert(LL)	-0.20 13-14	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.84	Vert(CT)	-0.44 13-14	>903	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.67	Horz(CT)	0.11 10	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-AS					Weight: 164 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
 4-6,6-8: 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP No.1 *Except*
 12-15: 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

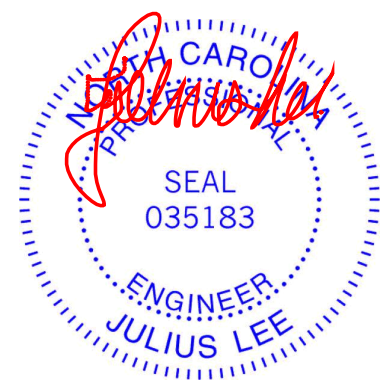
BRACING-
TOP CHORD Structural wood sheathing directly applied, except
 2-0-0 oc purlins (4-0-14 max.): 4-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-13

REACTIONS. (size) 10=Mechanical, 2=0-3-8
 Max Horz 2=63(LC 11)
 Max Uplift 10=9(LC 12), 2=44(LC 12)
 Max Grav 10=1332(LC 1), 2=1415(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2083/30, 4-5=-3141/62, 5-7=-3144/62, 7-8=-3146/63, 8-10=-2096/35
BOT CHORD 2-16=0/1736, 14-16=0/1734, 13-14=0/3140, 11-13=0/1746, 10-11=0/1749
WEBS 4-14=-12/1609, 5-14=-523/98, 7-13=-507/110, 8-13=-6/1605

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 5-5-4, Exterior(2R) 5-5-4 to 9-8-3, Interior(1) 9-8-3 to 27-10-12, Exterior(2R) 27-10-12 to 32-1-11, Interior(1) 32-1-11 to 33-4-0 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 10.
- 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.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 2021

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818 Soundside Road
Edenton, NC 27932

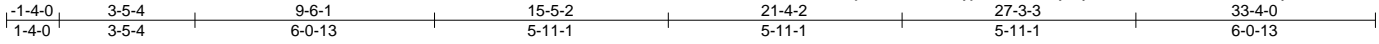
Job 21110328-02	Truss H1GR	Truss Type HALF HIP GIRDER	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199807
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:45 2021 Page 1

ID:5LW3e3KbnmujEoocu3QUU8yjMRN-FAo3yr7ySYkPpk7AZ3dTXaHrMv1yDbVAalQIM8yB4Jq

Job Reference (optional)



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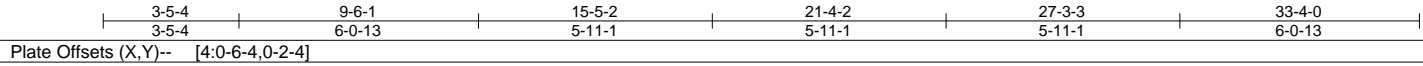
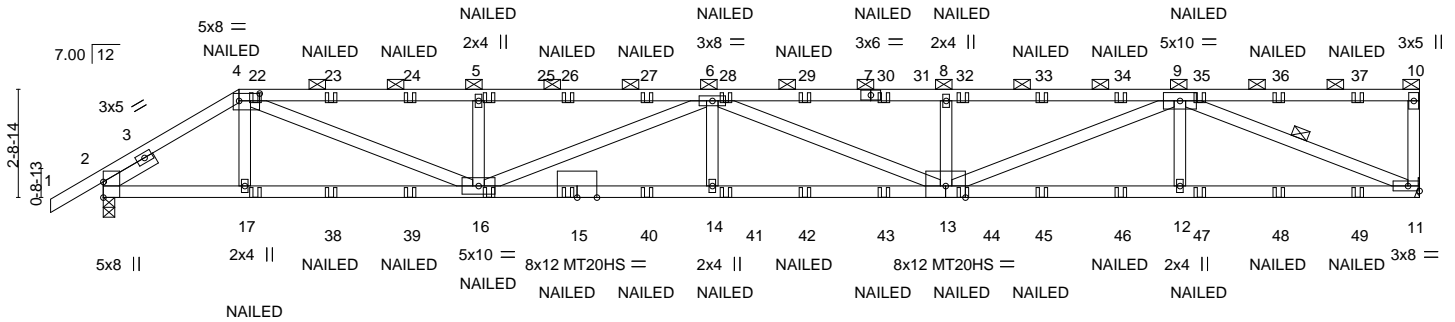


Plate Offsets (X,Y)-- [4:0-6-4,0-2-4]

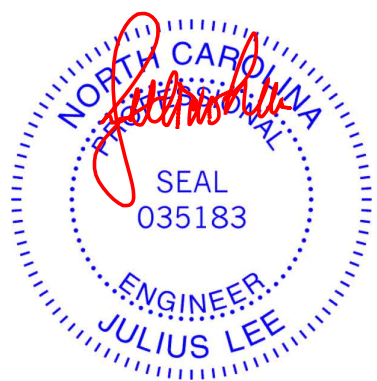
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.86	Vert(LL)	-0.39 13-14	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.66	Vert(CT)	-0.81 13-14	>494	180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.73	Horz(CT)	0.14 11	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS						
								Weight: 169 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 4-7: 2x4 SP 2400F 2.0E	TOP CHORD Structural wood sheathing directly applied or 2-9-12 oc purlins, except end verticals, and 2-0-0 oc purlins (2-3-5 max.): 4-10.
BOT CHORD 2x4 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 4-16,6-16,6-13,9-13,9-11: 2x4 SP No.2	WEBS 1 Row at midpt 9-11
SLIDER Left 2x4 SP No.3 1-6-0	

REACTIONS. (size) 11=Mechanical, 2=0-3-8
 Max Horz 2=79(LC 26)
 Max Uplift 11=-113(LC 5), 2=-158(LC 8)
 Max Grav 11=1580(LC 1), 2=1801(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-2655/207, 4-5=-4644/315, 5-6=-4644/315, 6-8=-5048/309, 8-9=-5050/310
 BOT CHORD 2-17=-193/2202, 16-17=-190/2210, 14-16=-309/5504, 13-14=-309/5504, 12-13=-237/3268,
 11-12=-237/3268
 WEBS 4-16=-138/2640, 5-16=-458/147, 6-16=-935/33, 6-14=0/289, 6-13=-493/51,
 8-13=-399/122, 9-13=-112/1928, 9-12=0/312, 9-11=-3468/233

- 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); 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.
 - * 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 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.
 - "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) 163 lb down and 103 lb up at 3-5-4 on top chord, and 178 lb down and 61 lb up at 3-5-4 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).



December 9, 2021

Continued on page 2

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818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss H1GR	Truss Type HALF HIP GIRDER	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199807
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:45 2021 Page 2
ID:5LW3e3KbnmujEoocu3QUU8yjIMRN-FAo3yr7ySYkPpk7AZ3dTXaHrMV1yDbVAalQIM8yB4Jq

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-60, 4-10=-60, 11-18=-20

Concentrated Loads (lb)

Vert: 4=-36(F) 15=-11(F) 17=-189(F) 16=-11(F) 5=-18(F) 22=-18(F) 23=-18(F) 24=-18(F) 26=-18(F) 27=-18(F) 28=-18(F) 29=-18(F) 30=-18(F) 32=-18(F) 33=-18(F) 34=-18(F) 35=-18(F) 36=-18(F) 37=-18(F) 38=-11(F) 39=-11(F) 40=-11(F) 41=-11(F) 42=-11(F) 43=-11(F) 44=-11(F) 45=-11(F) 46=-11(F) 47=-11(F) 48=-11(F) 49=-11(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

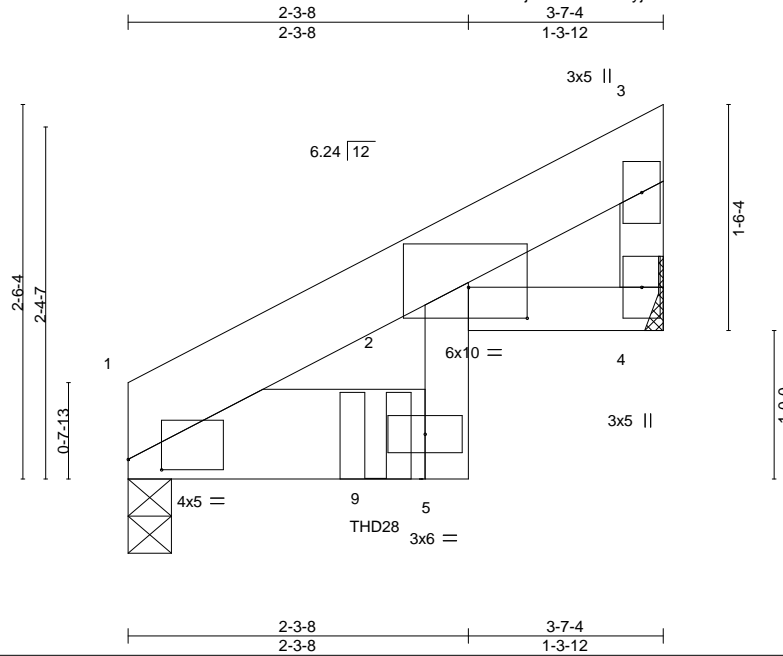


818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss J2G	Truss Type JACK-CLOSED GIRDER	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199808
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:57 2021 Page 1
ID:5LW3e3KbnmujEooccu3QUU8yjMRN-uUXcTxGTdEFINa1UGbrH06nsDL4_1CpxL9KNnRyB4Je



Scale = 1:15.5

Plate Offsets (X,Y)-- [1:0-2-11,0-0-13], [2:0-4-12,0-2-8]

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 0.99	Vert(LL)	-0.03	5	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.84	Vert(CT)	-0.05	5	>847		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00	Horz(CT)	0.03	4	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MR					Weight: 21 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E *Except*
2-5: 2x4 SP No.3, 2-4: 2x4 SP No.2
WEBS 2x4 SP No.3

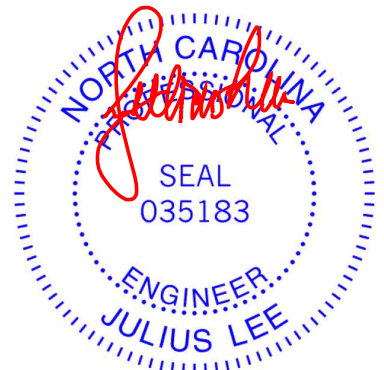
BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 4=Mechanical
Max Horz 1=44(LC 8)
Max Uplift 4=22(LC 8)
Max Grav 1=735(LC 2), 4=693(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-269/0, 3-4=-493/24
BOT CHORD 2-5=-22/1316

- 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; 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 22 lb uplift at joint 4.
 - 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.
 - 7) Use MiTek THD28 (With 28-16d nails into Girder & 16-10d x 1-1/2 nails into Truss) or equivalent at 1-8-0 from the left end to connect truss(es) to back face of bottom chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
 - 8) Fill all nail holes where hanger is in contact with lumber.
 - 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: 1-2=-60, 2-3=-60, 5-6=-20, 2-4=-20
Concentrated Loads (lb)
Vert: 9=-1071(B)



December 9,2021

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818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss M3	Truss Type MONOPITCH	Qty 8	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199809
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:49:59 2021 Page 1
ID:5LW3e3KbnmujEoocu3QUU8yjMRN-rseMudlk9rVQduBsO0t15XsNY9whV5JE0TpUrKyB4Jc



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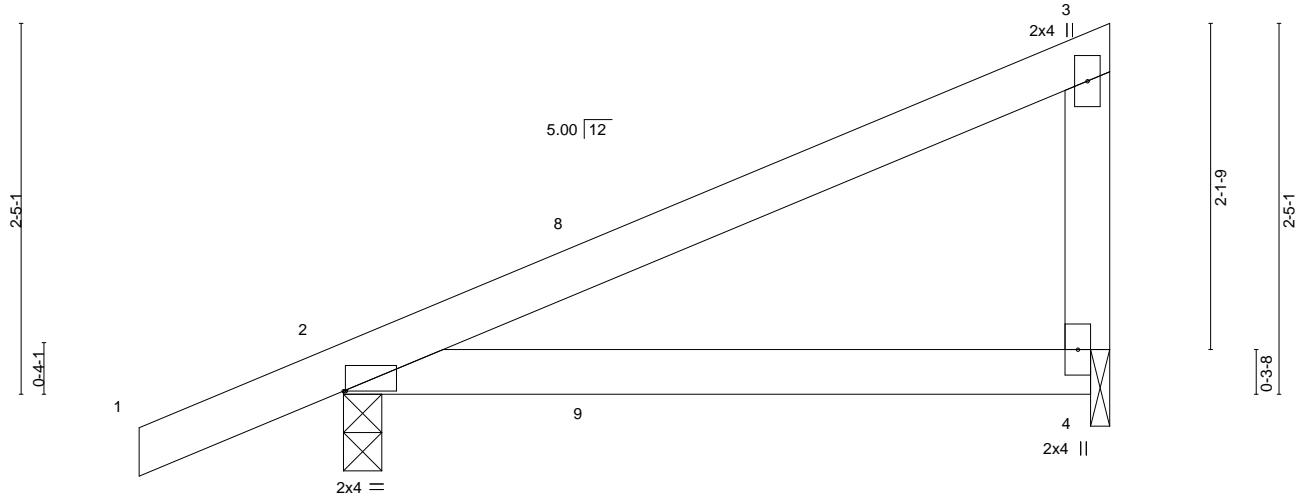


Plate Offsets (X,Y)-- [2:0-0-2,0-0-0]

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 0.30	Vert(LL)	0.06	4-7	>918	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.25	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-AS						Weight: 20 lb	FT = 20%

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

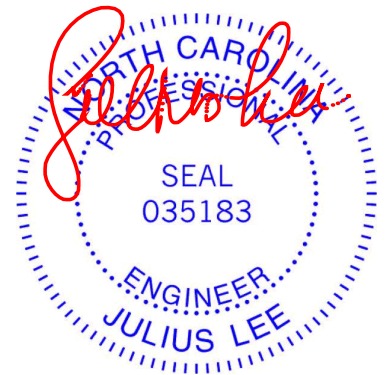
BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-3-0, 4=0-1-8
Max Horz 2=70(LC 12)
Max Uplift 2=-71(LC 12), 4=-48(LC 12)
Max Grav 2=285(LC 1), 4=183(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 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 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.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



December 9, 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



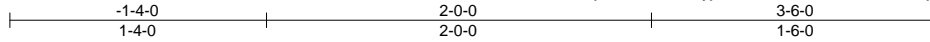
818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss M3G	Truss Type MONOPITCH SUPPORTED	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199810
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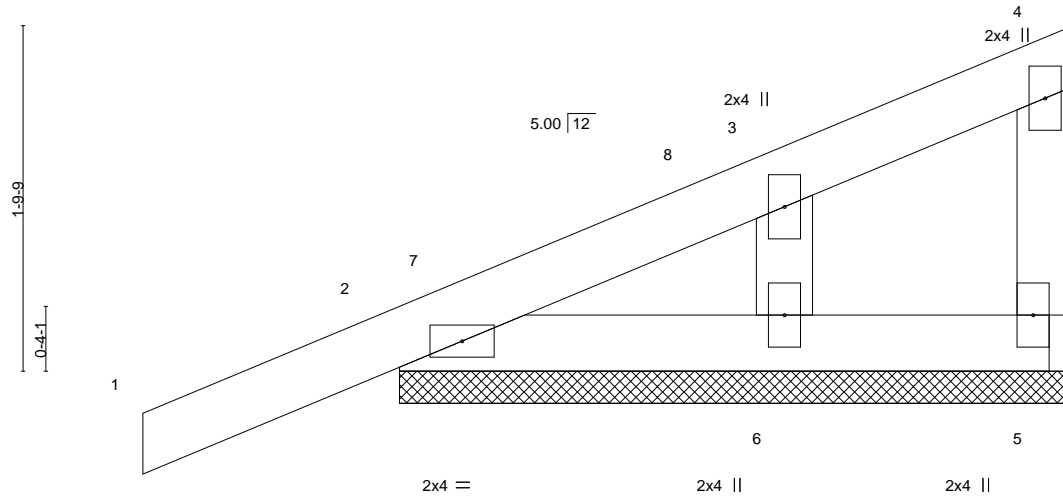
Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:00 2021 Page 1

ID:5LW3e3KbnmujEooc3QUU8yjMRN-J3Ck5zJMv9dHE1m2xjO_eIPaeYIMEYvN17Z2OmyB4Jb



Scale: 1"=1'



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.03	Vert(LL) 0.00 1 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Vert(CT) -0.00 1 n/r 120		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 n/a n/a		
	Code IRC2018/TPI2014			Weight: 16 lb	FT = 20%

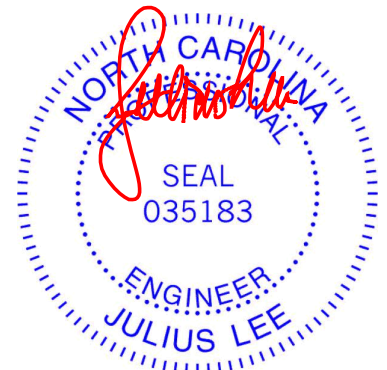
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=3-6-0, 2=3-6-0, 6=3-6-0
Max Horz 2=55(LC 12)
Max Uplift 5=-8(LC 12), 2=-40(LC 12)
Max Grav 5=43(LC 1), 2=179(LC 1), 6=126(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; TCCL=6.0psf; BCCL=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 3-4-4 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) 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) Gable studs spaced at 2-0-0 oc.
 - 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) 5 and 2. 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.



December 9, 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

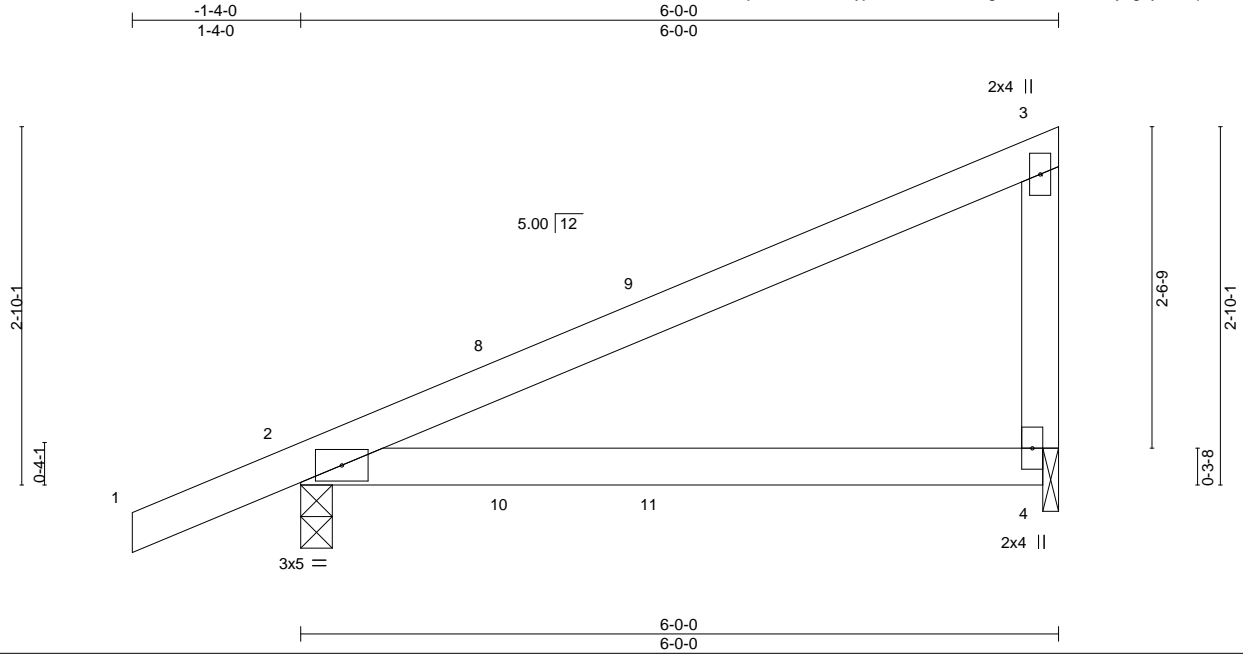
Job 21110328-02	Truss M4	Truss Type MONOPITCH	Qty 9	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199811
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:01 2021 Page 1

ID:5LW3e3KbnmujEooc3QUU8yjMRN-nFm7JJJ_gSI8sBLFVRvDAyxgbyZez?pXGnlwCyB4Ja

Job Reference (optional)



Scale = 1:18.2

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.45	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.35	Vert(LL) 0.13 4-7 >556 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.11 4-7 >666 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) -0.00 2 n/a n/a		
	Code IRC2018/TPI2014			Weight: 24 lb	FT = 20%

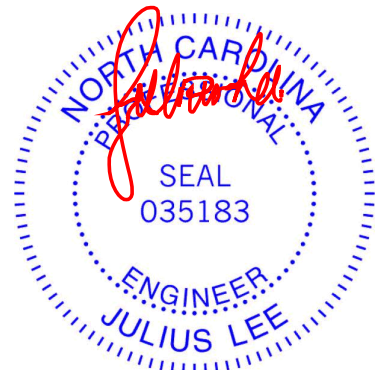
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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; TCCL=6.0psf; BCCL=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.
 - 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



December 9, 2021

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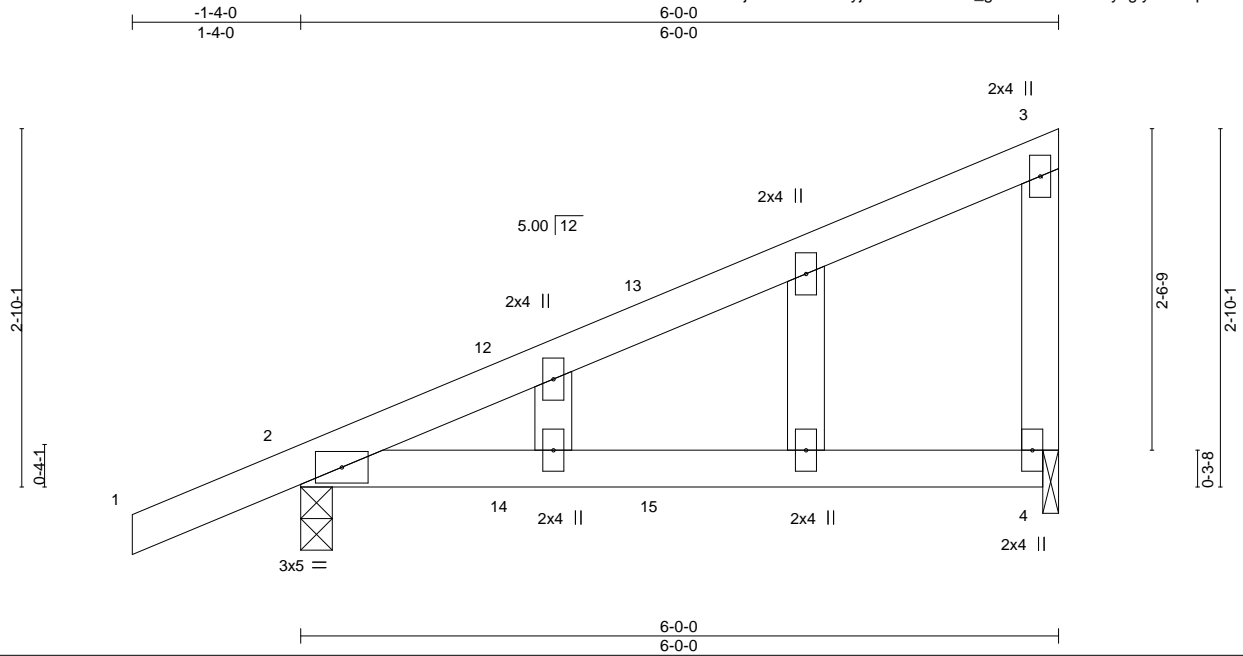
818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss M4G	Truss Type GABLE	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199812
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:01 2021 Page 1

ID:5LW3e3KbnmujEoocu3QUU8yjMRN-nFm7JJJ_gSI8sBLFVRvDAyxgtyWNz?pXGnlbwCyB4Ja



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.56	Vert(LL) 0.19 4-11 >378 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) 0.15 4-11 >475 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) -0.00 2 n/a n/a		
	Code IRC2018/TPI2014			Weight: 27 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

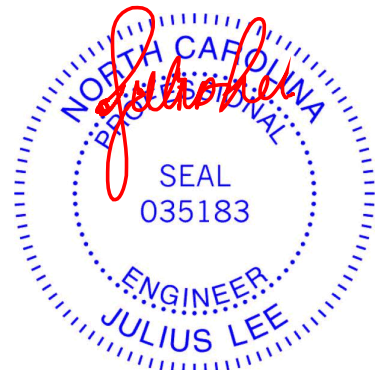
BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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; 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 1-8-0, Exterior(2N) 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) 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 studs spaced at 2-0-0 oc.
- 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) 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 8) 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.
- 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) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



December 9, 2021

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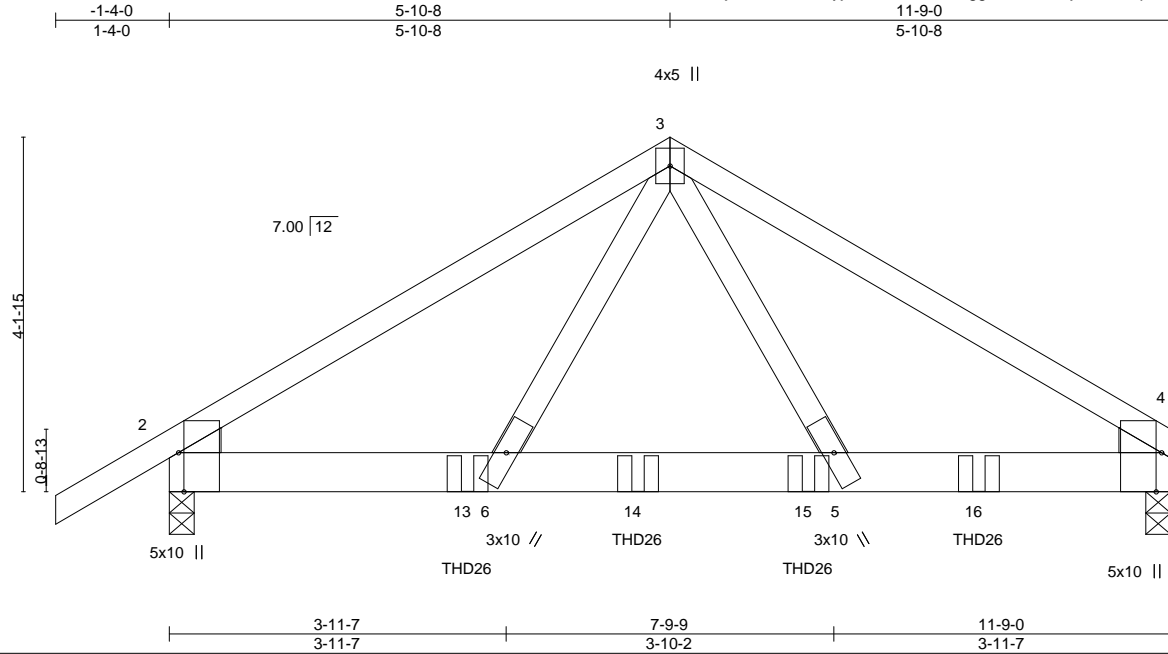
818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss T2GR	Truss Type COMMON GIRDER	Qty 1	Ply 2	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199813
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:18 2021 Page 1

ID:5LW3e3KbnmujEoocu3QUU8yjMRN-nWIYt7WeggukPo8W?vjDMY8b4pEGSYe1Aww?0jyB4JJ



Scale = 1:27.0

Plate Offsets (X,Y)-- [2:0-5-8,Edge], [4:0-5-8,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.40	Vert(LL) -0.06	5-6	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.95	Vert(CT) -0.13	5-6	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.60	Horz(CT) 0.02	4	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MS					Weight: 127 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

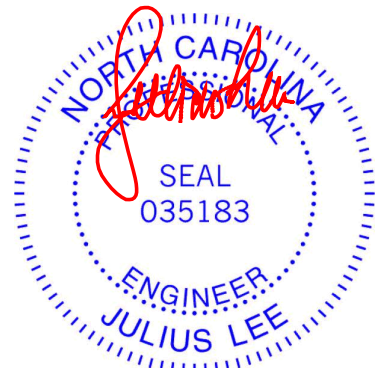
REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=68(LC 7)
Max Uplift 2=-149(LC 8), 4=-79(LC 8)
Max Grav 2=3073(LC 1), 4=3442(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4832/199, 3-4=-5074/152
BOT CHORD 2-6=-110/4087, 5-6=-62/2926, 4-5=-69/4301
WEBS 3-5=-15/2902, 3-6=-106/2460

- 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 0-6-0 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; TCCL=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.
 - 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.
 - 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 3-6-0 from the left end to 9-6-0 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

Continued on page 2



December 9, 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 21110328-02	Truss T2GR	Truss Type COMMON GIRDER	Qty 1	Ply 2	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199813
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:18 2021 Page 2
ID:5LW3e3KbnmujEoocu3QUU8yjMRN-nWYt7WeggukPo8W?VjDMY8b4pEGSYe1Aww?0jyB4JJ

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, 7-10=-20

Concentrated Loads (lb)

Vert: 13=-1560(B) 14=-1312(B) 15=-1312(B) 16=-1312(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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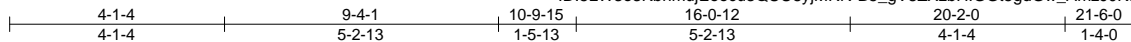
818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss T3GRA	Truss Type Hip Girder	Qty 1	Ply 2	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199814
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:21 2021 Page 1

ID:5LW3e3KbnmujEoocu3QUU8yjMRN-B5_gV8ZXzbHIGGt5gdGw_AmzJ0KcfvPTsu9fd2yB4JG



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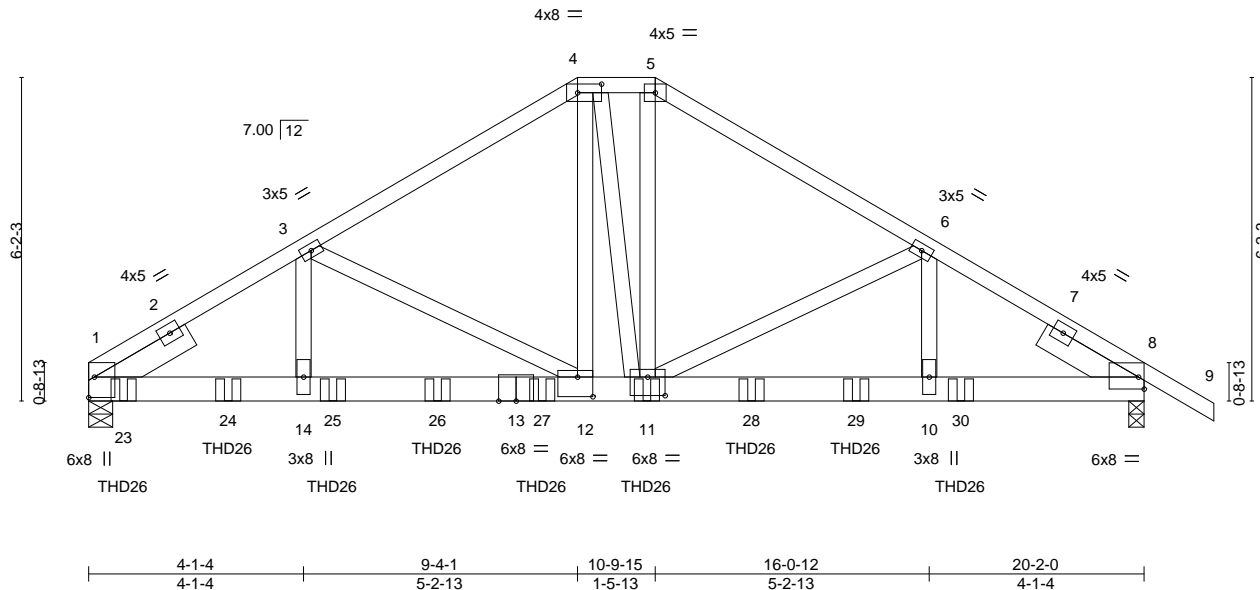


Plate Offsets (X,Y)-- [1:Edge,0-1-5], [4:0-5-8,0-2-0], [8:Edge,0-2-12], [11:0-4-0,0-4-4], [12:0-3-8,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.98	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.59	Vert(LL) -0.12 12-14 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.60	Vert(CT) -0.25 12-14 >962 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.06 8 n/a n/a		
	Code IRC2018/TPI2014			Weight: 284 lb	FT = 20%

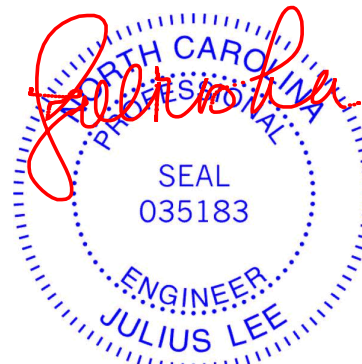
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
5-9: 2x4 SP No.1
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 2-0-0, Right 2x6 SP No.2 2-0-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-13 oc purlins, except 2-0-0 oc purlins (5-2-9 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-5-8, 8=0-3-8
Max Horz 1=-102(LC 6)
Max Uplift 1=-117(LC 8), 8=-200(LC 8)
Max Grav 1=6459(LC 2), 8=5200(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-8223/181, 3-4=-6138/183, 4-5=-5417/185, 5-6=-6238/187, 6-8=-8108/256
BOT CHORD 1-14=-86/6971, 12-14=-86/6971, 11-12=-17/5314, 10-11=-149/6857, 8-10=-149/6857
WEBS 3-14=-4/2052, 3-12=-2053/79, 4-12=-28/2558, 4-11=-64/558, 5-11=-47/2895, 6-11=-1719/146, 6-10=-76/1747

- 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 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-7-0 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; TC DL=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
 - 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 j(s) 1 and 8. 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.
 - Use MiTek THD26 (With 18-16d nails into Girder & 12-10d x 1-1/2 nails into Truss) or equivalent spaced at 8-0-0 oc max. starting at 0-8-0 from the left end to 16-8-0 to connect truss(es) to back face of bottom chord.
 - 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 2-8-0 from the left end to 6-8-0 to connect truss(es) to back face of bottom chord.



December 9, 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



818 Soundside Road
Edenton, NC 27932

Job 21110328-02	Truss T3GRA	Truss Type Hip Girder	Qty 1	Ply 2	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199814
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:21 2021 Page 2
ID:5LW3e3KbnmujEoocu3QUU8yjMRN-B5_gV8ZXzbHIGGt5gdGw_AmzJ0KcfvPTsu9fd2yB4JG

NOTES-

13) 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: 1-4=-60, 4-5=-60, 5-9=-60, 15-19=-20

Concentrated Loads (lb)

Vert: 11=-1071(B) 23=-1079(B) 24=-1071(B) 25=-1071(B) 26=-1071(B) 27=-1071(B) 28=-1071(B) 29=-1071(B) 30=-1317(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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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

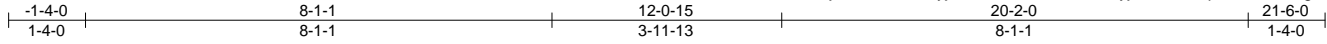
Job 21110328-02	Truss T3GA	Truss Type GABLE	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199815
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:19 2021 Page 1

ID:5LW3e3KbnmujEoocu3QUU8yjMRN-Fisw4TXHR_0b0yjiYCESvIhqIDnrB78APagYYAyB4JI

Job Reference (optional)



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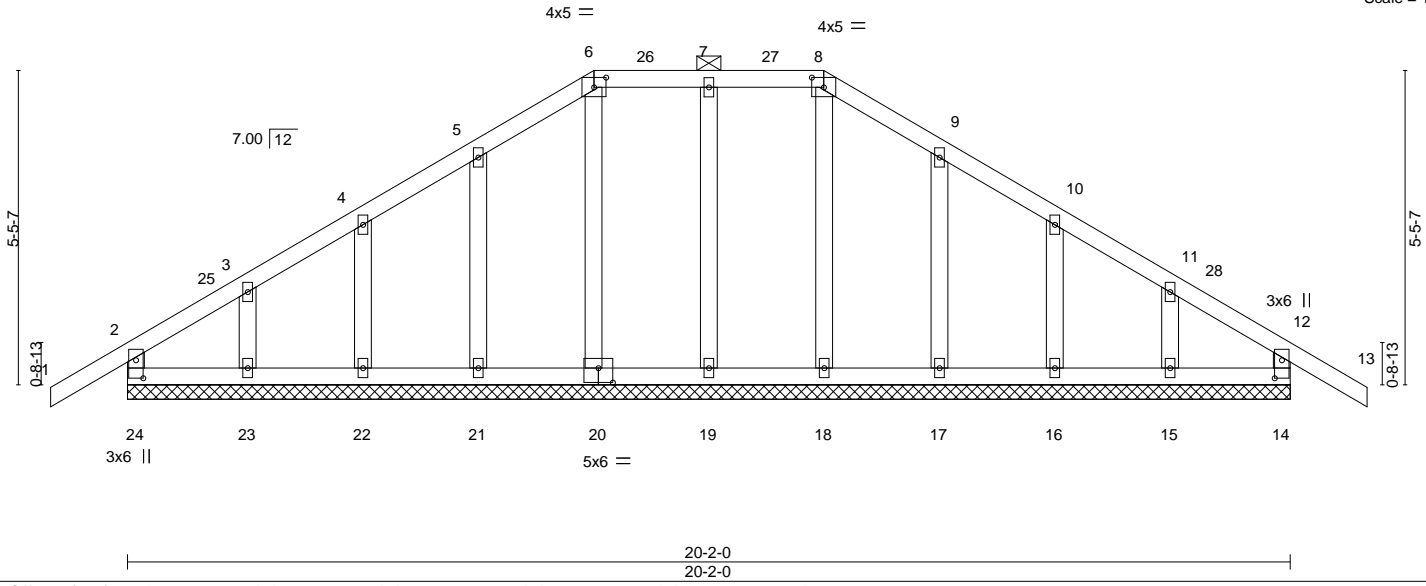


Plate Offsets (X,Y)-- [6:0-2-8,0-2-1], [8:0-2-8,0-2-1], [12:0-3-12,0-1-8], [20:0-3-0,0-3-0], [24:0-3-12,0-1-8]

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 0.15	Vert(LL)	-0.01 13	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	-0.01 13	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00 14	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-R					Weight: 114 lb	FT = 20%

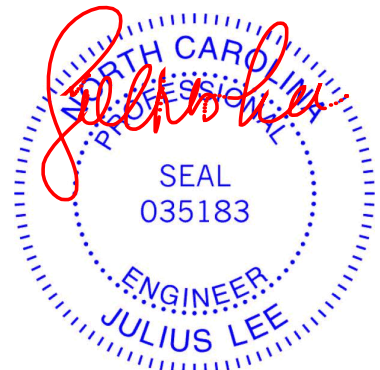
LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2
 WEBS 2x4 SP No.3
 OTHERS 2x4 SP No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 6-8.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 20-2-0.
 (lb) - Max Horz 24=108(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 24, 14, 19, 21, 22, 23, 17, 16, 15
 Max Grav All reactions 250 lb or less at joint(s) 24, 14, 19, 20, 21, 22, 23, 18, 17, 16, 15

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; TCCL=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 8-1-1, Corner(3R) 8-1-1 to 11-1-1, Exterior(2N) 11-1-1 to 12-0-15, Corner(3R) 12-0-15 to 15-0-15, Exterior(2N) 15-0-15 to 21-6-0 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
 - 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) Provide adequate drainage to prevent water ponding.
 - 5) All plates are 2x4 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 8) Gable studs spaced at 2-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) * 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.
 - 11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 24, 14, 19, 21, 22, 23, 17, 16, and 15. This connection is for uplift only and does not consider lateral forces.
 - 12) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



December 9, 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

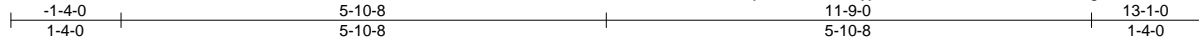


818 Soundside Road
 Edenton, NC 27932

Job 21110328-02	Truss T2	Truss Type COMMON	Qty 3	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199816
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Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:16 2021 Page 1
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4x5 =

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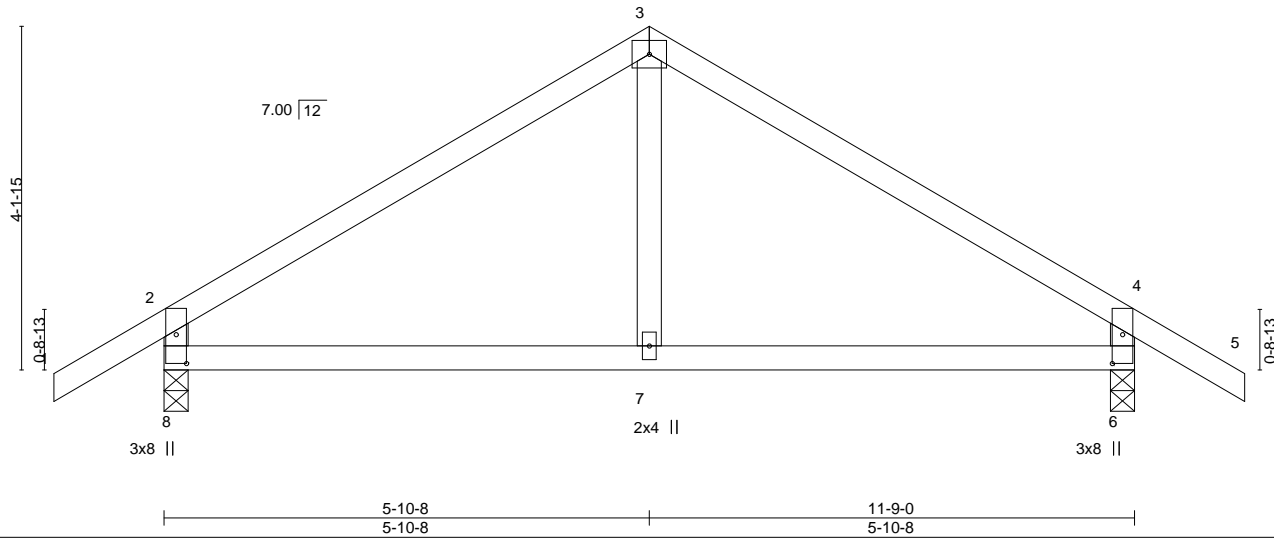


Plate Offsets (X,Y)-- [6:0-4-3,0-1-8], [8:0-4-3,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 2-0-0	TC 0.48	Vert(LL) -0.02	6-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.28	Vert(CT) -0.04	6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.09	Horz(CT) 0.01	6	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-AS					Weight: 49 lb	FT = 20%

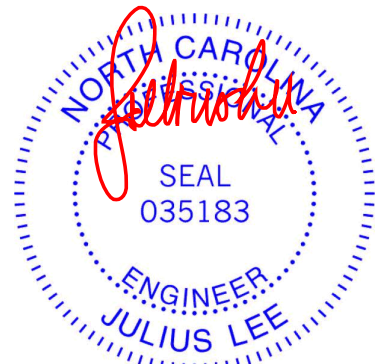
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 8=0-3-8, 6=0-3-8
Max Horz 8=-85(LC 10)
Max Uplift 8=-40(LC 12), 6=-40(LC 12)
Max Grav 8=547(LC 1), 6=547(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-515/77, 3-4=-515/77, 2-8=-489/143, 4-6=-489/143
BOT CHORD 7-8=0/363, 6-7=0/363

- 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 5-10-8, Exterior(2R) 5-10-8 to 8-10-8, Interior(1) 8-10-8 to 13-1-0 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
 - 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) 8 and 6. 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.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



December 9, 2021

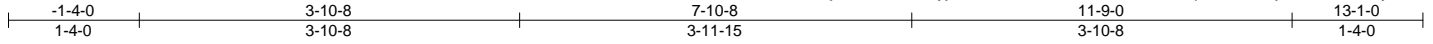
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, 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 21110328-02	Truss T2GA	Truss Type GABLE	Qty 1	Ply 1	Cameron Woods Lot 26- 2721 elev B PERMIT-roof truss T26199817
Carter Components (Lexington), Lexington, NC - 27295,					Job Reference (optional)

8.530 s Nov 29 2021 MiTek Industries, Inc. Wed Dec 8 08:50:17 2021 Page 1
 ID:5LW3e3KbnmujEooc3QUU8yjMRN-JKkAlnW0vNmtnfZKR0C_qKcUGP6QjEHuxGBRUHyB4JK



Scale = 1:23.5

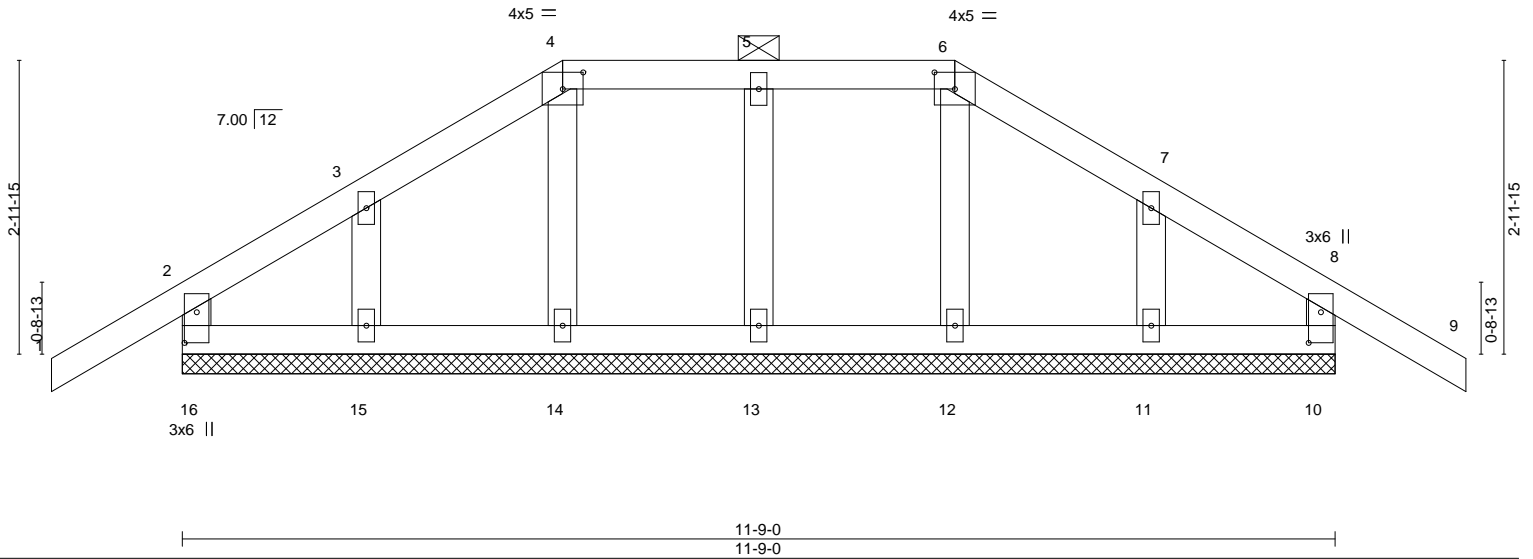


Plate Offsets (X,Y)--	[4:0-2-8,0-2-1], [6:0-2-8,0-2-1], [8:0-3-12,0-1-8], [16:0-3-12,0-1-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.15	Vert(LL) -0.01 9 n/r 120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.03	Vert(CT) -0.01 9 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 10 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-R		Weight: 57 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

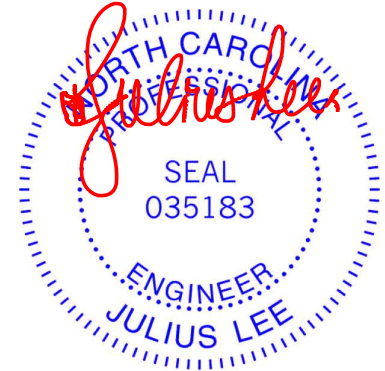
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (10-0-0 max.): 4-6.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 11-9-0.
 (lb) - Max Horz 16--66(LC 10)
 Max Uplift All uplift 100 lb or less at joint(s) 16, 10, 13, 15, 11
 Max Grav All reactions 250 lb or less at joint(s) 16, 10, 13, 14, 15, 12, 11

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; TCCL=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 1-10-8, Exterior(2N) 1-10-8 to 3-10-8, Corner(3R) 3-10-8 to 6-10-8, Exterior(2N) 6-10-8 to 7-10-8, Corner(3R) 7-10-8 to 10-10-8, Exterior(2N) 10-10-8 to 13-1-0 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.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 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.
- One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 16, 10, 13, 15, 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.



December 9, 2021

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Symbols

PLATE LOCATION AND ORIENTATION



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



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



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

* Plate location details available in **MITek 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/TP1: 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
BCSI: 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/TP1 section 6.3 These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: Mill-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/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.