

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: 22020376-01
Carolina Seasons Lot10-Ph2 S2-2913 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: T27224005 thru T27224043

My license renewal date for the state of North Carolina is December 31, 2022.

North Carolina COA: C-0844



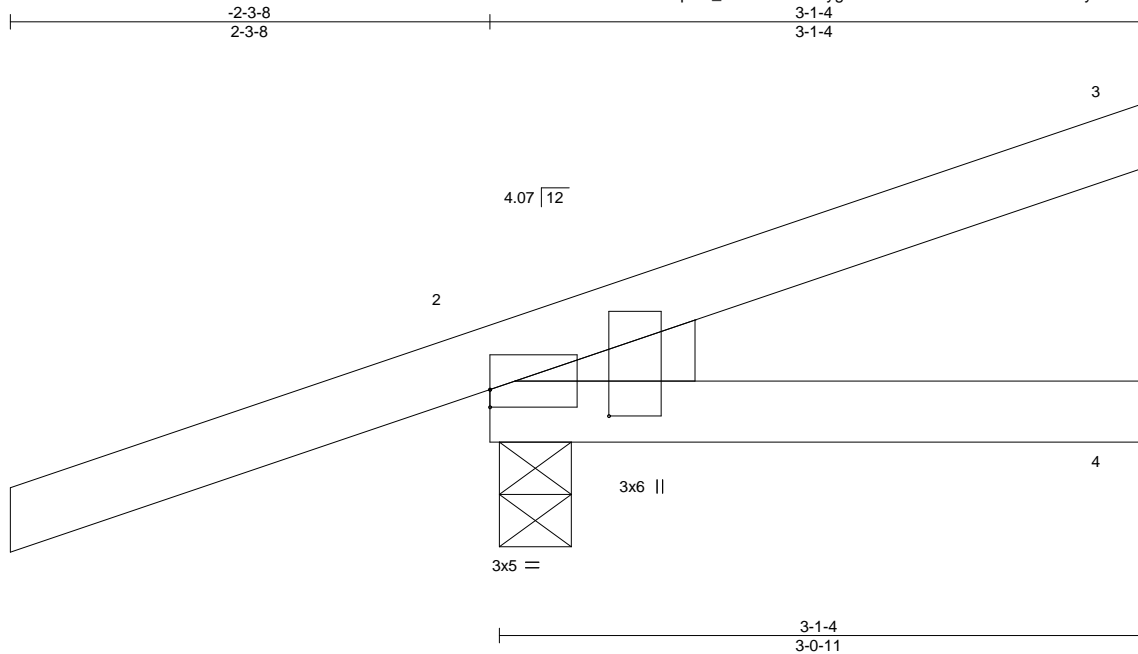
March 24, 2022

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 22020376-01	Truss CJ2	Truss Type JACK-OPEN GIRDER	Qty 2	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224005
Carter Components (Lexington), Lexington, NC - 27295,					Job Reference (optional)

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:32 2022 Page 1
ID:F7Th11J3pJM_1WbQYC5iDLygfU6-zThuzmfkQ51ndePLhua7e8yemmVJDI_GBTDaOvzY1TP



Scale = 1:11.0

Plate Offsets (X,Y)--	[2:0-0-0,0-1-0], [2:0-1-8,0-6-13]				
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) -0.01 4-7 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.28	Vert(CT) -0.02 4-7 >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.00	Horz(CT) 0.01 2 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MP		Weight: 15 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

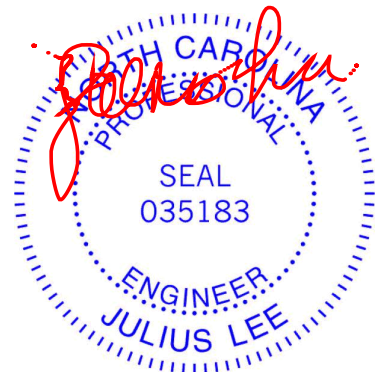
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
- 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 6 lb down and 28 lb up at -2-3-8, and 6 lb down and 28 lb up at -2-3-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-3=-20(F=40)
Concentrated Loads (lb)
Vert: 1=47(F=23, B=23)
Trapezoidal Loads (plf)
Vert: 1=40(F=70, B=30)-to-2=6(F=53, B=13), 5=-56(F=-18, B=-18)-to-4=-107(F=-44, B=-44)



March 24, 2022

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 22020376-01	Truss J2	Truss Type JACK-OPEN	Qty 4	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224006
--------------------	-------------	-------------------------	----------	----------	--

Carter Components (Lexington),

Lexington, NC - 27295,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:56 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-G48z0xomT2NVKEy5?lcCys0Smsr8woiC1RFWzY1T1



Scale = 1:11.6

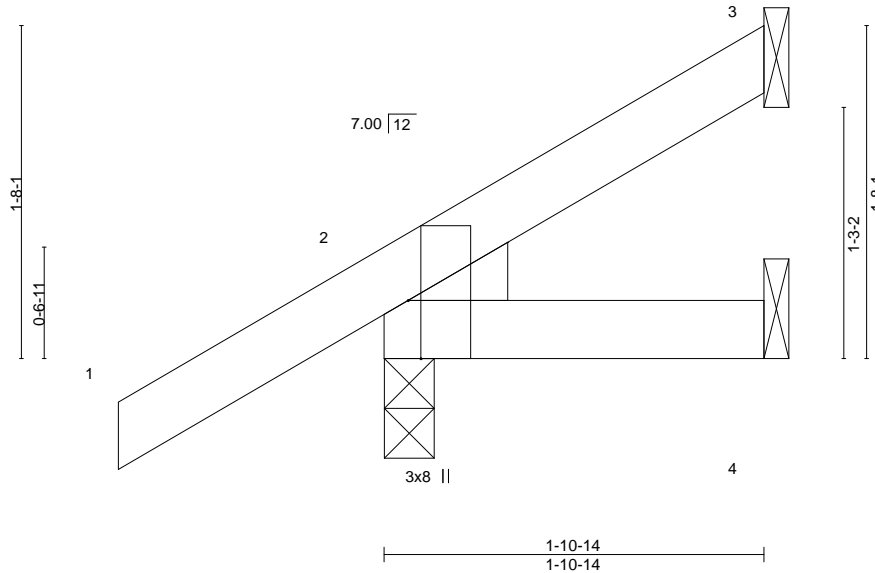


Plate Offsets (X,Y)-- [2:0-3-8,Edge]		CSI.		DEFL.				PLATES	GRIP
LOADING (psf)	SPACING-	2-0-0	TC	in	(loc)	l/defl	L/d	MT20	244/190
TCLL 20.0	Plate Grip DOL	1.15	BC	Vert(LL) -0.00	7	>999	240		
TCDL 10.0	Lumber DOL	1.15	WB	Vert(CT) -0.00	7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	Matrix-MP	Horz(CT) -0.00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

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

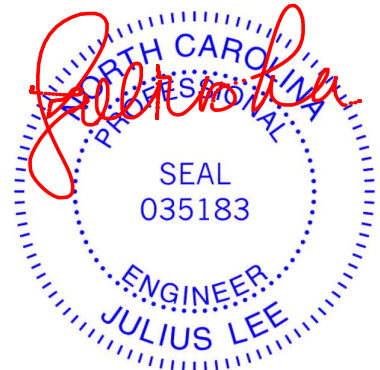
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 1-10-14 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
- 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



March 24, 2022

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 22020376-01	Truss M2B	Truss Type HALF HIP GIRDER	Qty 2	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224007
--------------------	--------------	-------------------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:58 2022 Page 1
ID:F7Th11J3pJM_1WbQYC5iDLygfU6-CTFjRfz2I4I5leOKCM2Dhd17SFDKJ2n5AWWYJOzY1T?



Scale = 1:14.4

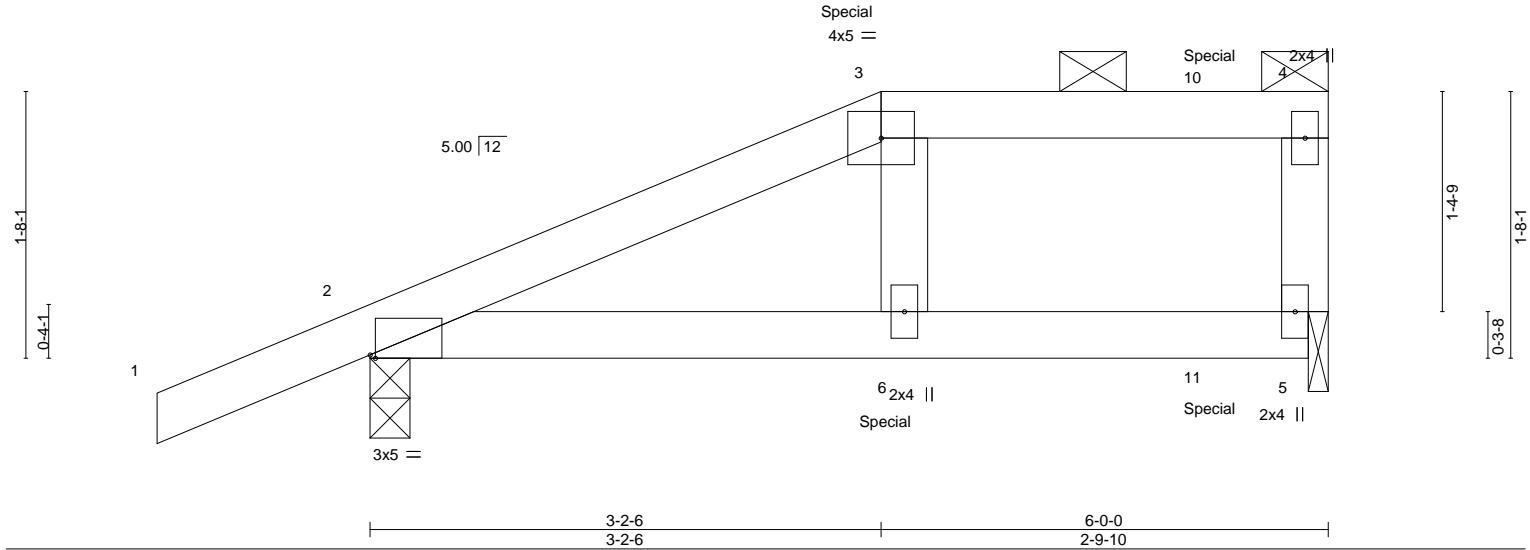


Plate Offsets (X, Y)--	[2:0-0-6, Edge]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.38	Vert(LL)	-0.14	6-9	>490	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.93	Vert(CT)	-0.25	6-9	>277	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.04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

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
BOT CHORD	2x4 SP No.1	BOT CHORD	Rigid ceiling directly applied or 8-5-9 oc bracing.
WEBS	2x4 SP No.3		

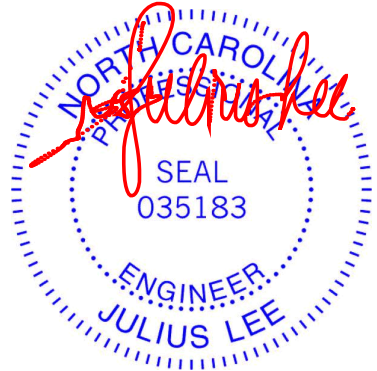
REACTIONS. (size) 2=0-3-0, 5=0-1-8
 Max Horz 2=54(LC 8)
 Max Uplift 2=-104(LC 8), 5=-87(LC 4)
 Max Grav 2=373(LC 1), 5=291(LC 1)

"Special" indicates special hanger(s) or other connection device(s) required at location(s) shown. The design/selection of such special connection device(s) is the responsibility of others. This applies to all applicable truss designs in this job.

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Provide adequate drainage to prevent water ponding.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
 - 7) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 5. This connection is for uplift only and does not consider lateral forces.
 - 8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 52 lb up at 3-2-6, and 13 lb down and 20 lb up at 5-3-2 on top chord, and 131 lb down and 101 lb up at 3-2-6, and 7 lb down and 16 lb up at 5-3-2 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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



March 24, 2022

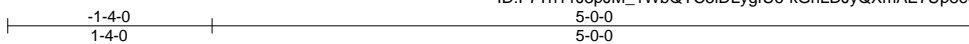
Job 22020376-01	Truss M2A	Truss Type MONOPICH	Qty 4	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224008
--------------------	--------------	------------------------	----------	----------	--

Carter Components (Lexington),

Lexington, NC - 27295,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:57 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-kGhLDJyQXmAE7Up8eeW_9PUzhr1SabAxxsm?nyzY1T0



Scale = 1:15.0

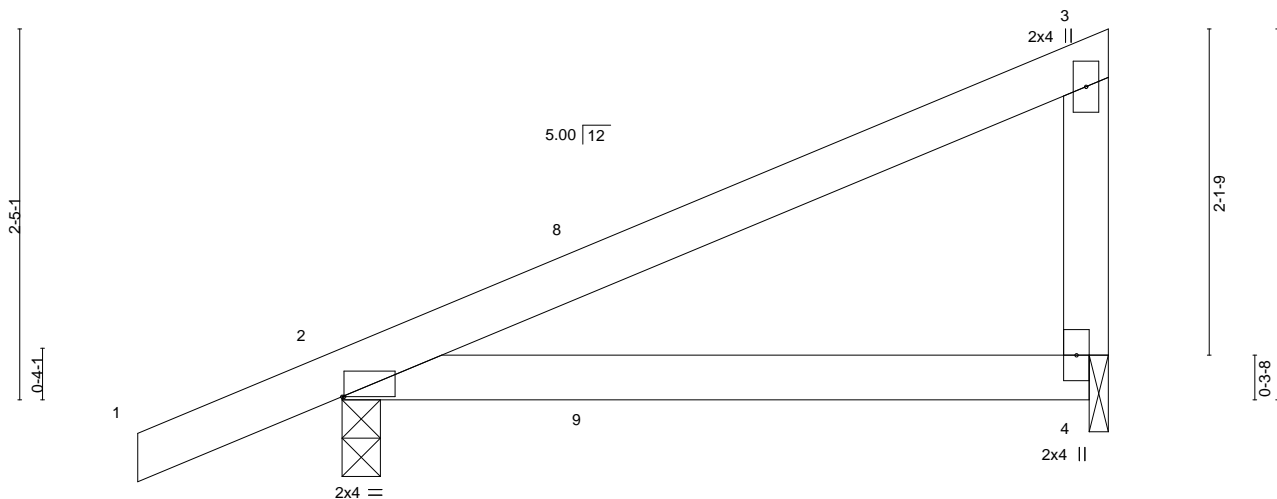


Plate Offsets (X,Y)--	[2:0-0-2,0-0-0]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.32	Vert(LL)	0.07	4-7	>871	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.26	Vert(CT)	-0.05	4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MP						Weight: 20 lb	FT = 20%

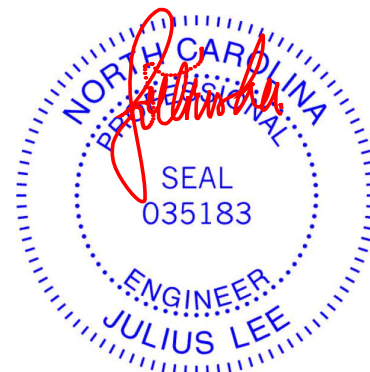
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (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.



March 24, 2022

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 22020376-01	Truss M2	Truss Type MONOPICH	Qty 8	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224009
--------------------	-------------	------------------------	----------	----------	--

Carter Components (Lexington),

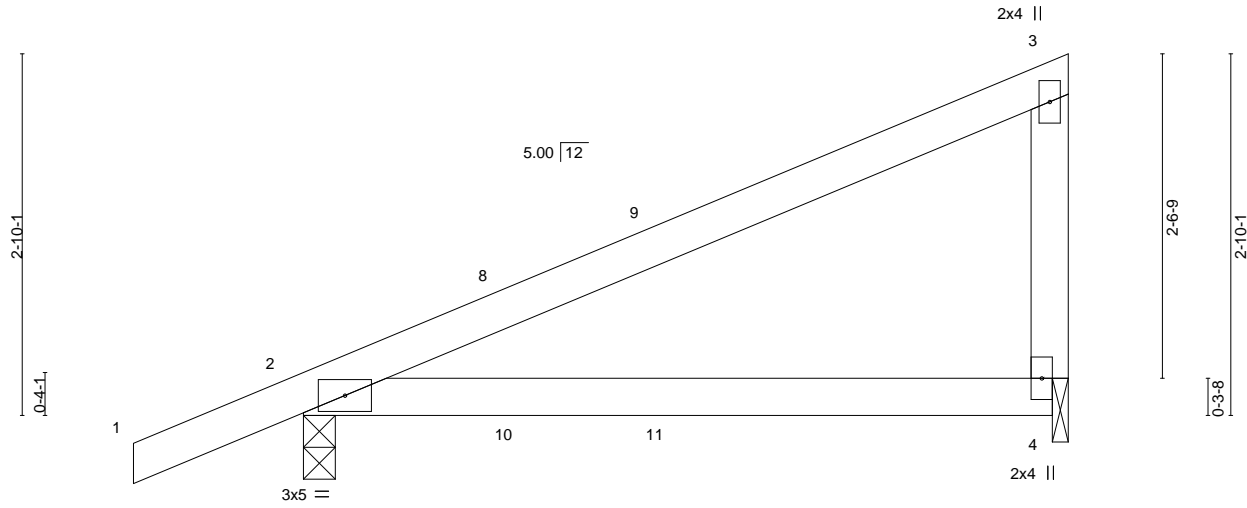
Lexington, NC - 27295,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:57 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-kGhLDJyQXMAE7Up8eeW_9PUwsr0fabAxxsm?nyzY1T0



Scale = 1:18.1



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 0.50	Vert(LL)	0.14	4-7	>518	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.38	Vert(CT)	-0.11	4-7	>614		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	2	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MP					Weight: 24 lb	FT = 20%

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

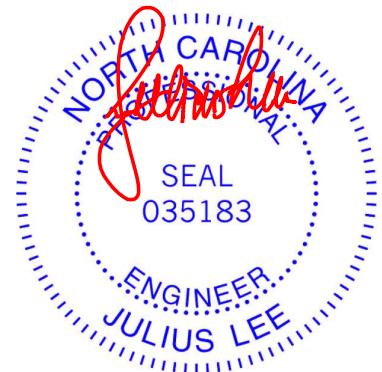
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 5-10-4 zone; cantilever left and right exposed ; end vertical left exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
- 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 4. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



March 24, 2022

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

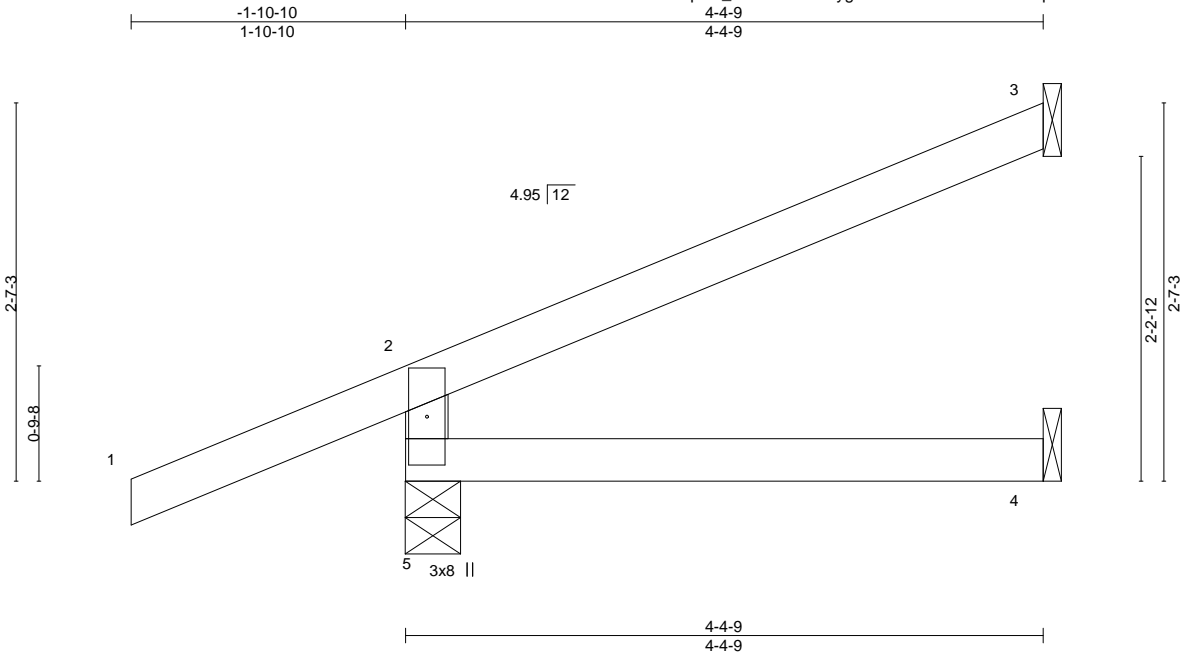


818 Soundside Road
 Edenton, NC 27932

Job 22020376-01	Truss CJ1	Truss Type JACK-OPEN GIRDER	Qty 3	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224010
--------------------	--------------	--------------------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:31 2022 Page 1
ID:F7Th11J3pJM_1WbQYC5iDLygfU6-VG7WmQe6frnw0Uq87B3u5wQXiN6kUrk6ypTdsSzY1TQ



Scale = 1:15.8

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

LUMBER-
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 4-4-9 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=85(LC 7)
Max Uplift 5=20(LC 17), 4=33(LC 5)
Max Grav 5=158(LC 3), 3=63(LC 1), 4=202(LC 13)

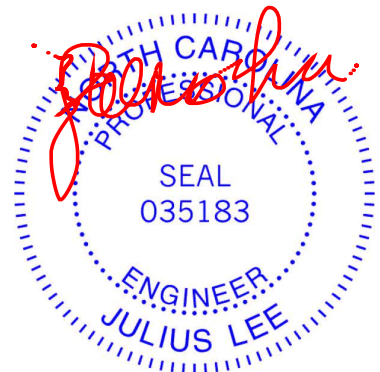
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4.
- 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5. This connection is for uplift only and does not consider lateral forces.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1 lb down and 3 lb up at -1-10-10, and 1 lb down and 3 lb up at -1-10-10 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-3=20(F=40)
Concentrated Loads (lb)
Vert: 1=5(F=2, B=2)
Trapezoidal Loads (plf)
Vert: 1=40(F=70, B=30)-to-2=0(F=50, B=10), 5=47(F=-13, B=-13)-to-4=-119(F=-50, B=-50)



March 24, 2022

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

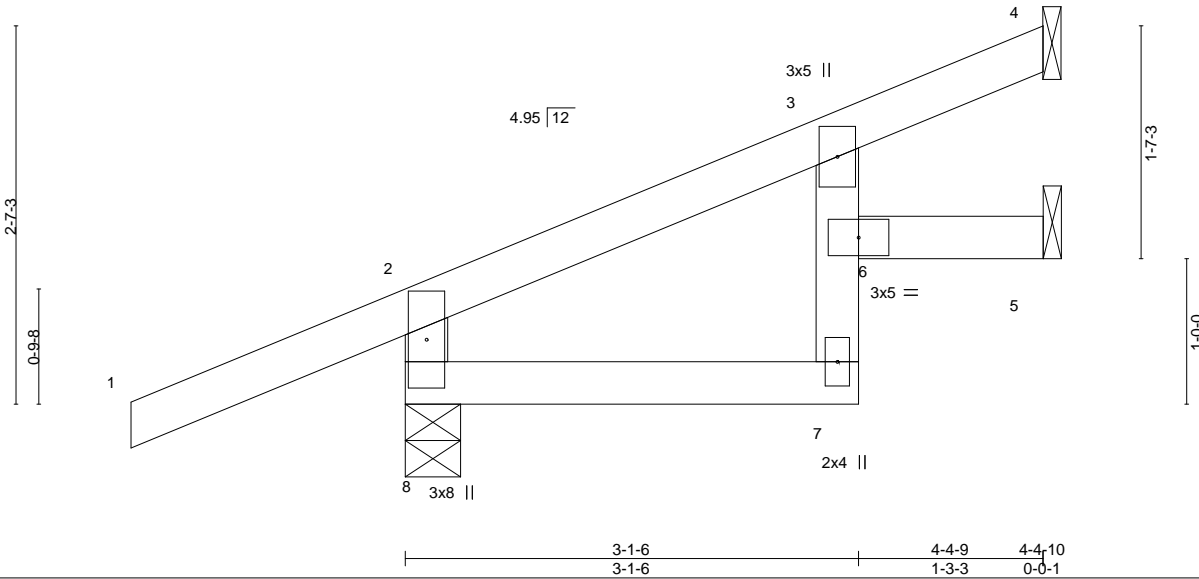
Job 22020376-01	Truss CJ1R	Truss Type JACK-OPEN GIRDER	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224011
--------------------	---------------	--------------------------------	----------	----------	--

Carter Components (Lexington), Lexington, NC - 27295, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:32 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-zThuzmfkQ51ndePLhua7e8yibmTjDI_GBTDAAOvzY1TP



Scale = 1:15.8



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

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

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

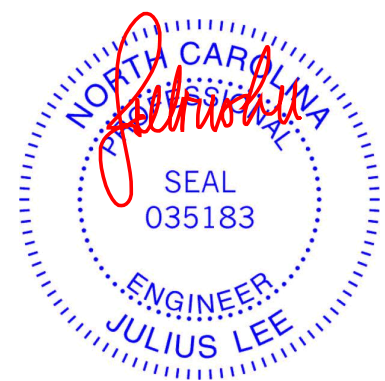
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
 - 6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 8. This connection is for uplift only and does not consider lateral forces.
 - 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1 lb down and 3 lb up at -1-10-10, and 1 lb down and 3 lb up at -1-10-10 on top chord. The design/selection of such connection device(s) is the responsibility of others.
 - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)
 Vert: 2-4=-20(F=40)
 Concentrated Loads (lb)
 Vert: 1=5(F=2, B=2)
 Trapezoidal Loads (plf)
 Vert: 1=40(F=70, B=30)-to-2=0(F=50, B=10), 8=-47(F=-13, B=-13)-to-7=-96(F=-38, B=-38), 6=-96(F=-38, B=-38)-to-5=-119(F=-50, B=-50)

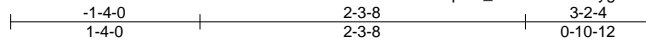


March 24, 2022

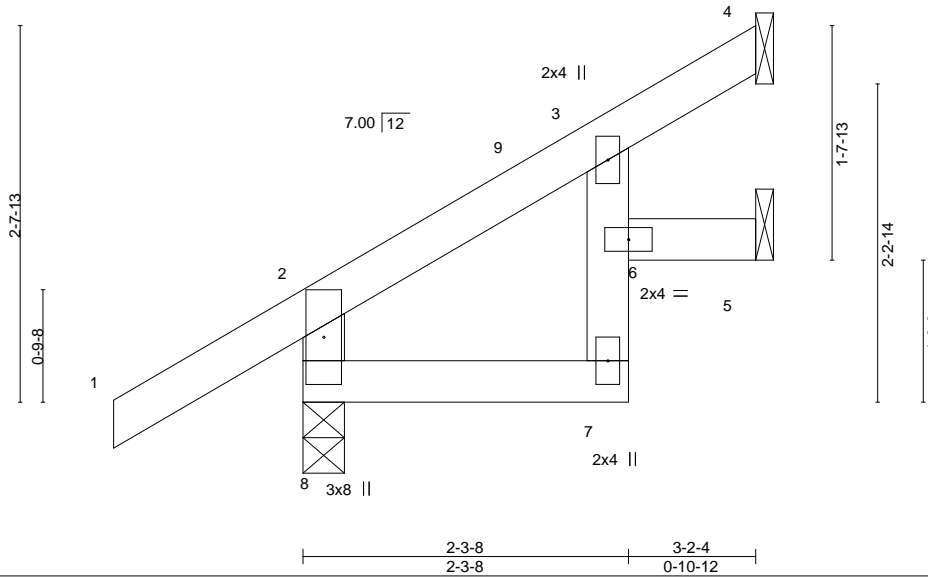
Job 22020376-01	Truss J1R	Truss Type JACK-OPEN	Qty 6	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224012
--------------------	--------------	-------------------------	----------	----------	--

Carter Components (Lexington), Lexington, NC - 27295, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:55 2022 Page 1

ID:F7Th11J3pJM_1WbQYCSiDLygfU6-ouaaowA?9wWuAfiXDUW3_Pgo2PS6hgeTYHui3zY1T2



Scale = 1:16.2



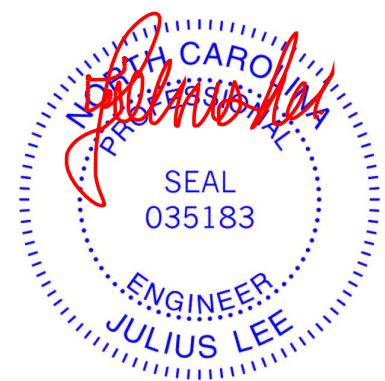
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.15	Vert(LL)	-0.00	6	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.10	Vert(CT)	-0.00	7	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Code	IRC2018/TPI2014	Matrix-MR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

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

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

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 3-1-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 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.



March 24, 2022

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

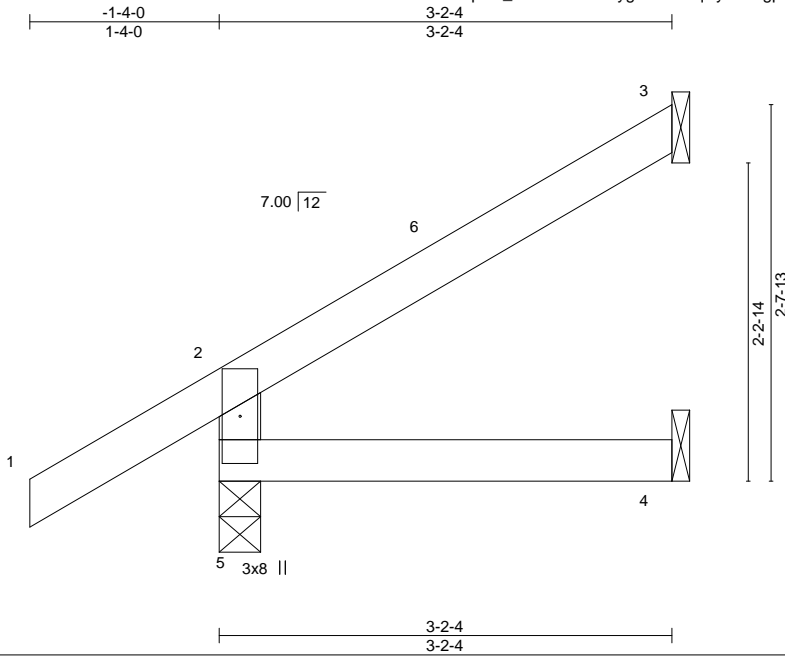
Job 22020376-01	Truss J1	Truss Type JACK-OPEN	Qty 25	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224013
--------------------	-------------	-------------------------	-----------	----------	--

Carter Components (Lexington),

Lexington, NC - 27295,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:53 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-rVSqNyvTYgpetWNPoS2_ZKKIEjleOBM0EoneBzY1T4



Scale = 1:16.2

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.15	TC 0.15	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.08	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: 13 lb	FT = 20%

LUMBER-

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

BRACING-

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

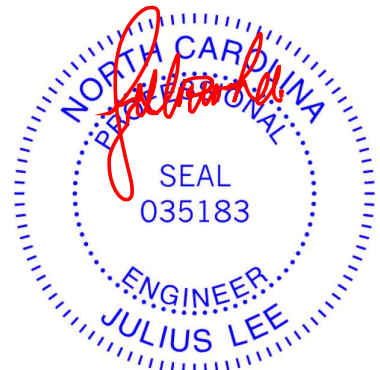
REACTIONS.

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

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 3-1-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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.



March 24, 2022

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



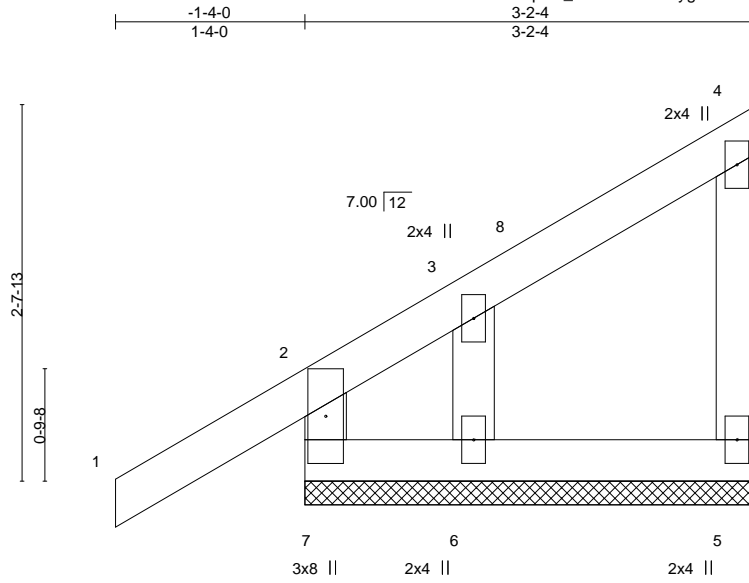
818 Soundside Road
 Edenton, NC 27932

Job 22020376-01	Truss J1G	Truss Type JACK-OPEN SUPPORTED	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224014
--------------------	--------------	-----------------------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:54 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-Ki0CblwYErogG15ZzWzHXnsU9e4yNFV FuYLAzY1T3



Scale = 1:16.2

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.21	Vert(LL)	0.00	1	n/r	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.06	Vert(CT)	-0.00	1	n/r		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.05	Horz(CT)	0.00	5	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-R						
	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
OTHERS 2x4 SP No.3

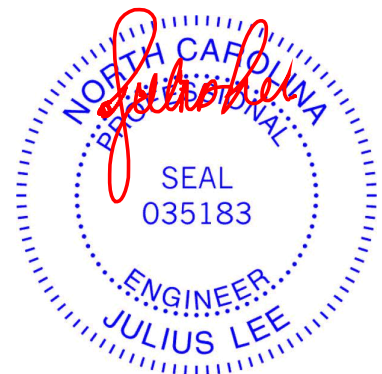
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-4-0 to 1-8-0, Exterior(2N) 1-8-0 to 3-0-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Gable requires continuous bottom chord bearing.
- 4) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 5, 7, and 6. 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.



March 24, 2022

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

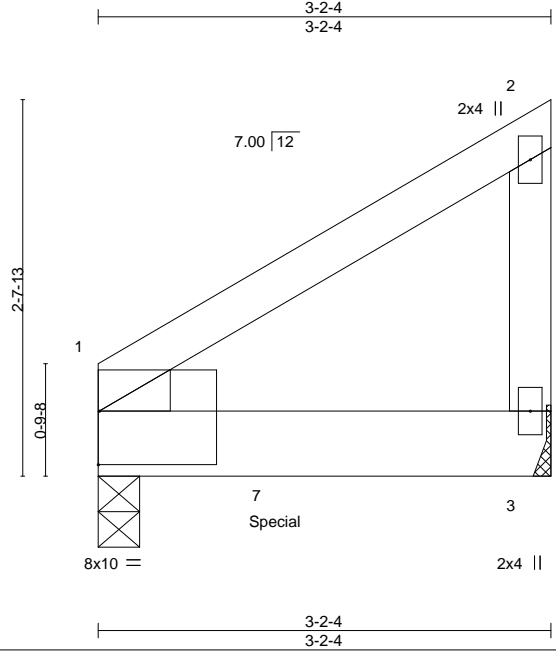
Job 22020376-01	Truss J1GA	Truss Type JACK-CLOSED GIRDER	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224015
--------------------	---------------	----------------------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:55 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-ouaaowA?9wWuAfiXDUW3_PcT2IN6hHeTYHui3zY1T2

Job Reference (optional)



Scale = 1:16.2

Plate Offsets (X, Y)-- [1:Edge,0-4-8]		CSI.		DEFL.		PLATES	GRIP
LOADING (psf)	SPACING- 2-0-0	TC	0.43	in (loc)	l/defl	MT20	244/190
TCLL 20.0	Plate Grip DOL 1.15	BC	0.56	Vert(LL) -0.02	3-6 >999		
TCDL 10.0	Lumber DOL 1.15	WB	0.03	Vert(CT) -0.04	3-6 >959		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MP		Horz(CT) 0.01	1 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014					Weight: 17 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SP No.2
 BOT CHORD 2x6 SP 2400F 2.0E
 WEBS 2x4 SP No.3
 WEDGE
 Left: 2x4 SP No.3

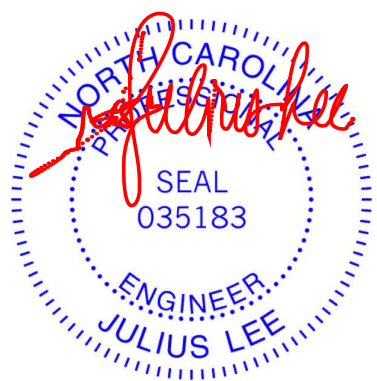
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-2-4 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 1=0-3-8
 Max Horz 1=44(LC 8)
 Max Grav 3=818(LC 2), 1=1126(LC 2)

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) 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.
 - 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1731 lb down at 1-3-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 7) 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, 3-4=-20
 Concentrated Loads (lb)
 Vert: 7=-1520(F)



March 24, 2022

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 22020376-01	Truss V2C	Truss Type Valley	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224016
--------------------	--------------	----------------------	----------	----------	--

Carter Components (Lexington),

Lexington, NC - 27295,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:13 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-GLfOan8SmhBz2y2Da?pkon9I4lVoKq7lclerK1zY1Sm



3x6 =

Scale = 1:13.9

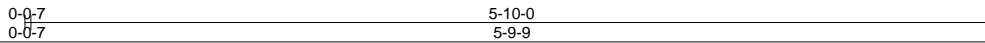
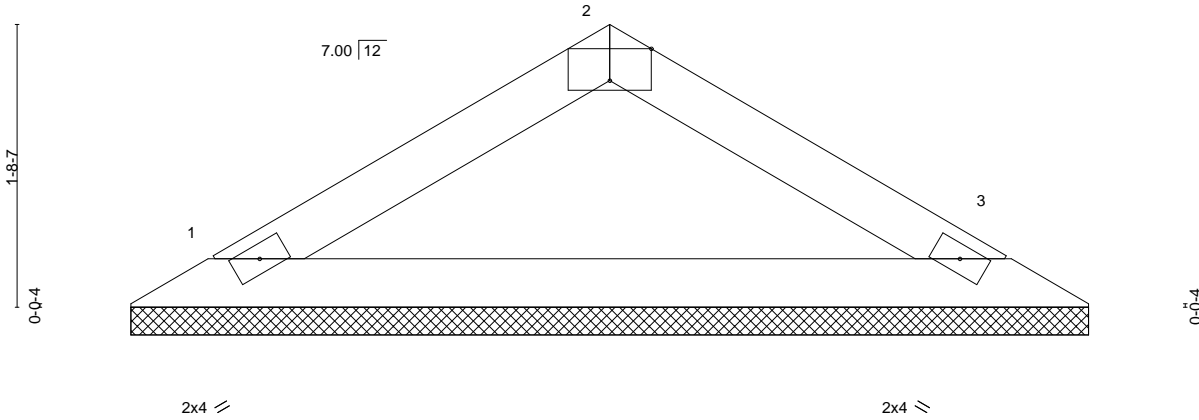


Plate Offsets (X,Y)--	[2:0-3-0,Edge]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15		TC 0.10	Vert(LL) n/a	-	n/a	999	MT20	244/190
TCDL 10.0	Lumber DOL 1.15		BC 0.29	Vert(CT) n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.00	Horz(CT)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

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

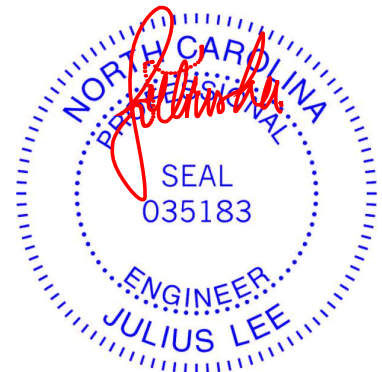
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



March 24, 2022

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 22020376-01	Truss V2B	Truss Type Valley	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224017
--------------------	--------------	----------------------	----------	----------	--

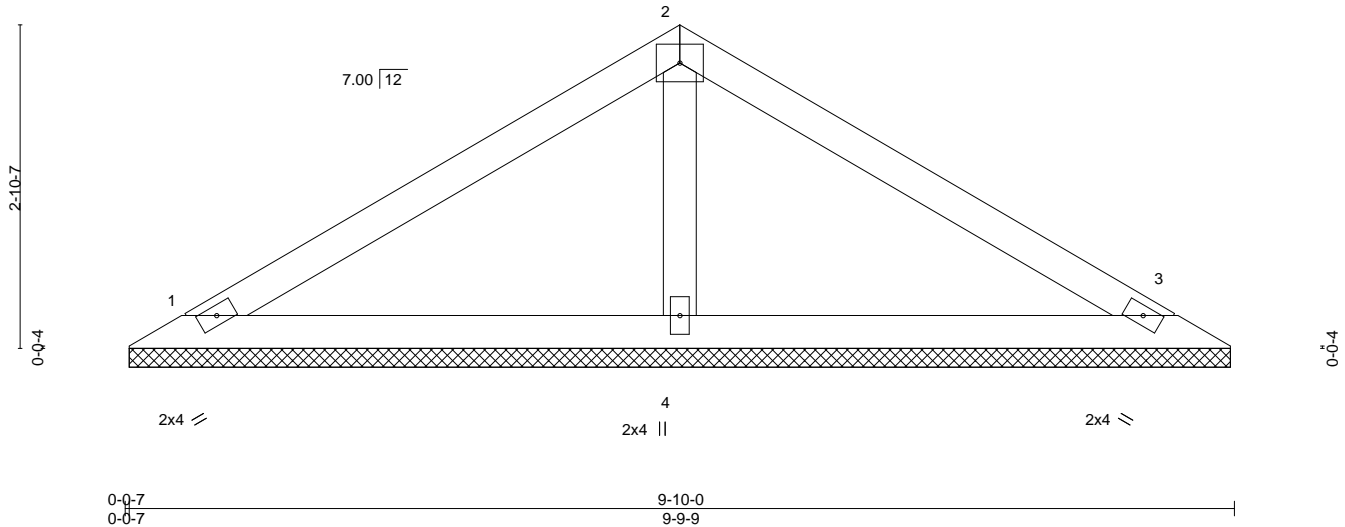
Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:12 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-o950NS7q?N36QoT11IIVFacYhuB3bO29OhvloazY1Sn



Scale = 1:20.4



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

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

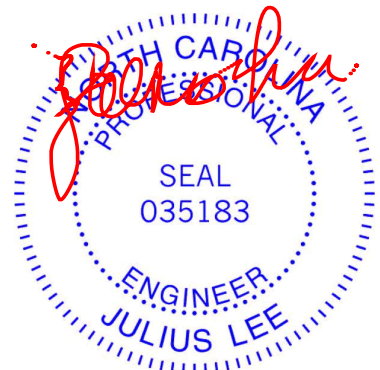
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 4-11-0, Exterior(2R) 4-11-0 to 7-11-0, Interior(1) 7-11-0 to 9-3-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- 7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



March 24, 2022

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



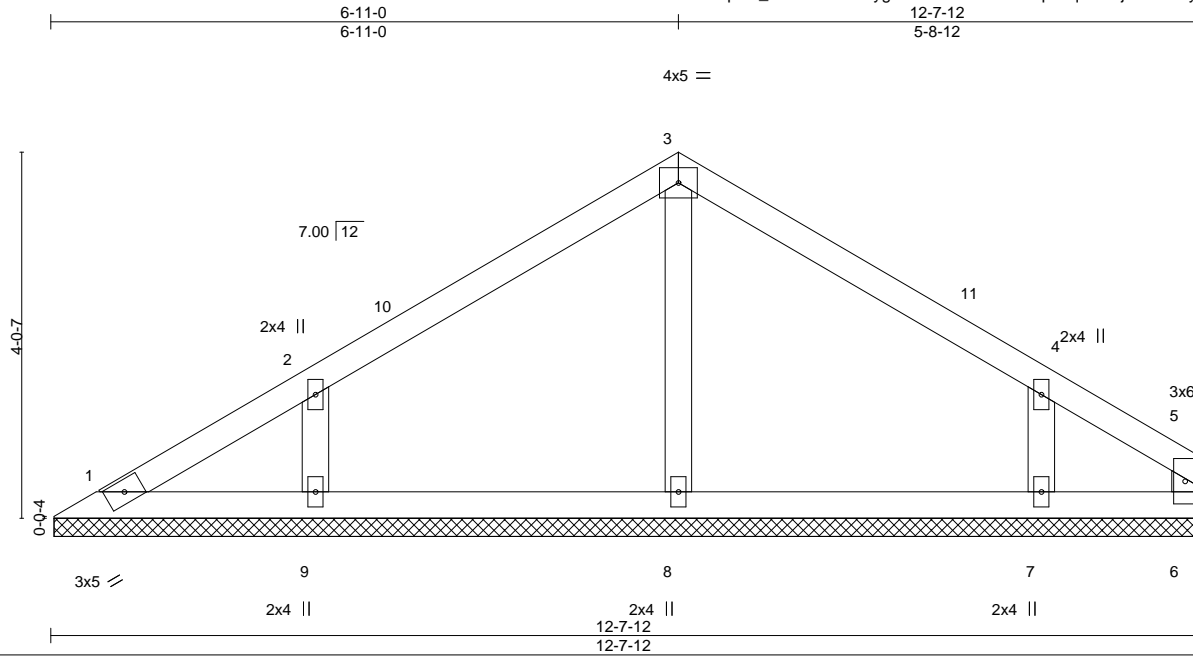
818 Soundside Road
Edenton, NC 27932

Job 22020376-01	Truss V2A	Truss Type Valley	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224018
--------------------	--------------	----------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:11 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-KzYd967CE3xFpEuqTanGjM4PFVsyswd?919kG8zY1So



Scale = 1:25.4

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 0.18	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	6	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-S						Weight: 49 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

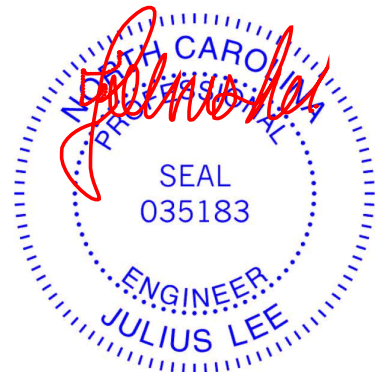
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 12-7-5.
 (lb) - Max Horz 1=69(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 6, 9, 7
 Max Grav All reactions 250 lb or less at joint(s) 1, 6 except 8=295(LC 1), 9=308(LC 23), 7=293(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 3-6-8, Interior(1) 3-6-8 to 6-11-0, Exterior(2R) 6-11-0 to 9-11-0, Interior(1) 9-11-0 to 12-6-0 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
- 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) 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.



March 24, 2022

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

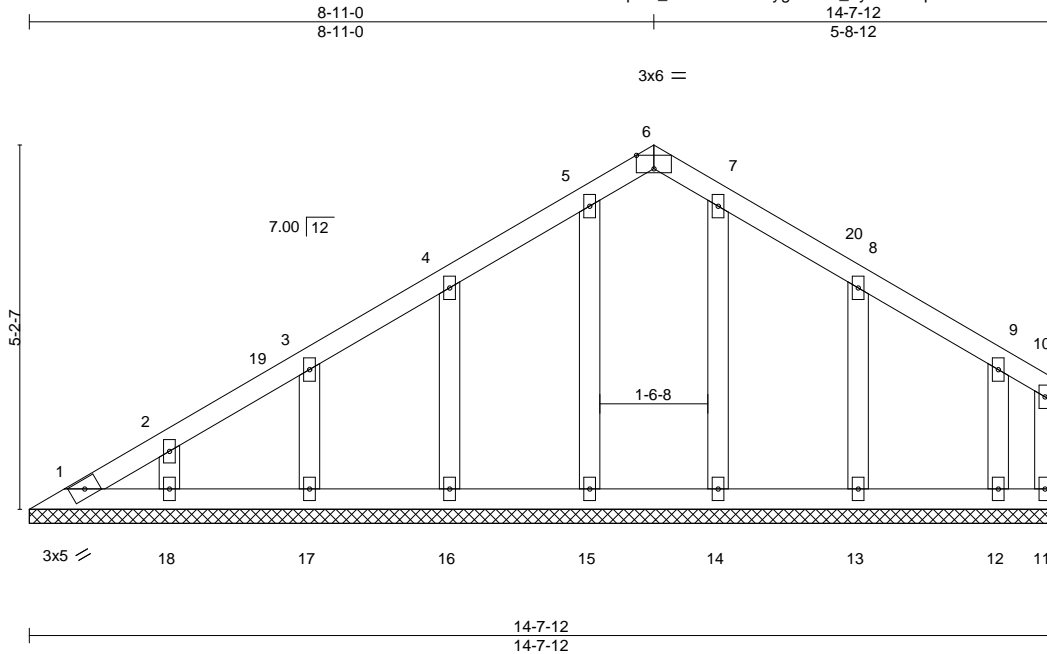


818 Soundside Road
 Edenton, NC 27932

Job 22020376-01	Truss V2	Truss Type GABLE	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224019
--------------------	-------------	---------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:10 2022 Page 1
ID:F7Th11J3pJM_1WbQYC5iDLygfU6-sn_Fym6aTmpOBUJevtF1A9XF95X27UiswNBjizY1Sp



Scale = 1:32.9

Plate Offsets (X, Y)-- [6:0-3-0,Edge]		CSI.		DEFL.		PLATES	GRIP
LOADING (psf)	SPACING- 2-0-0	TC	0.08	in (loc)	l/defl	MT20	244/190
TCLL 20.0	Plate Grip DOL 1.15	BC	0.03	Vert(LL) n/a	- n/a		
TCDL 10.0	Lumber DOL 1.15	WB	0.04	Vert(CT) n/a	- n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S		Horz(CT) 0.00	11 n/a		
BCDL 10.0	Code IRC2018/TPI2014					Weight: 76 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

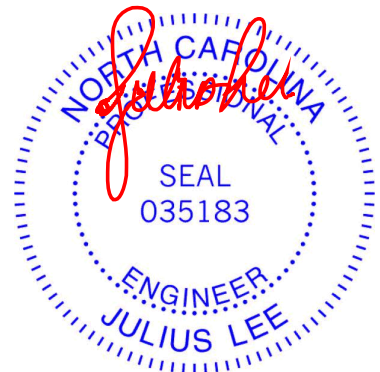
BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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

NOTES-

- 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=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) 0-6-8 to 3-6-8, Exterior(2N) 3-6-8 to 8-11-0, Corner(3R) 8-11-0 to 11-10-0, Exterior(2N) 11-10-0 to 14-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1.
- 10) N/A
- 11) 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.



March 24, 2022

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

Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



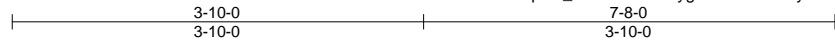
818 Soundside Road
 Edenton, NC 27932

Job 22020376-01	Truss T2GR	Truss Type Common Girder	Qty 1	Ply 2	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224020
--------------------	---------------	-----------------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:09 2022 Page 1

ID:F7Th11J3pJM_1WbQYc5iDLygfU6-NaQtKQ5yiShXZKkSL9koex_3vh0mOubihjgDBFzY1Sq



4x5 =

Scale = 1:21.5

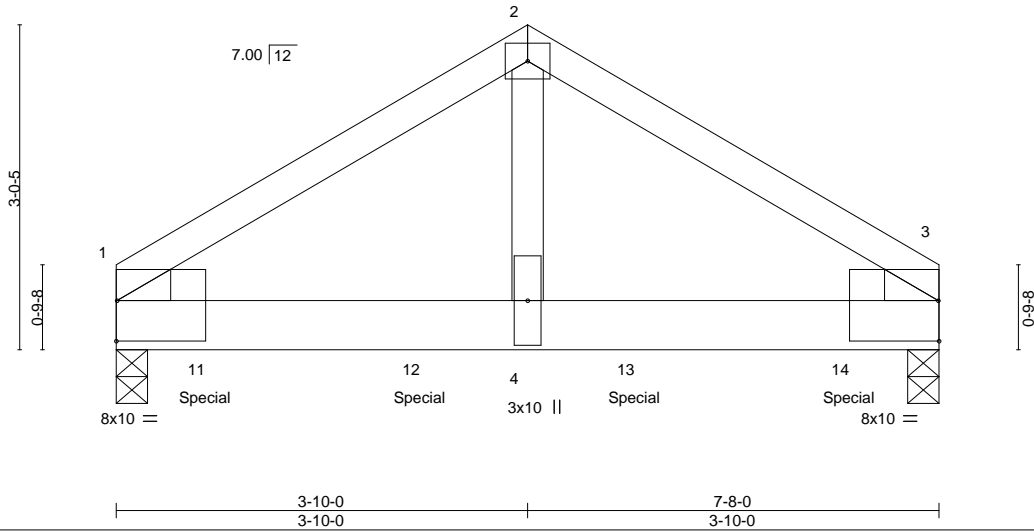


Plate Offsets (X, Y)--	[1:Edge,0-4-8], [3:Edge,0-4-8]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.18	Vert(LL) -0.02 4-10 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.74	Vert(CT) -0.04 4-10 >999 180		
BCLL 0.0 *	Rep Stress Incr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

LUMBER-

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 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

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

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

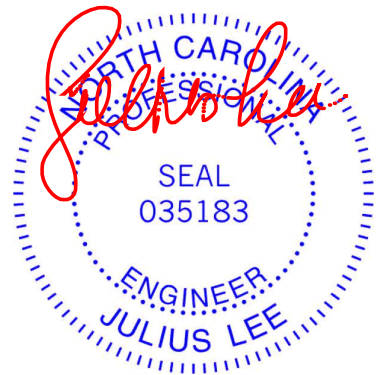
TOP CHORD 1-2=-3142/0, 2-3=-3138/0
 BOT CHORD 1-4=0/2687, 3-4=0/2687
 WEBS 2-4=0/2952

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1510 lb down and 28 lb up at 0-10-0, 1499 lb down and 30 lb up at 2-10-0, and 1495 lb down and 30 lb up at 4-10-0, and 1747 lb down at 6-10-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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



March 24, 2022

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 22020376-01	Truss T2GR	Truss Type Common Girder	Qty 1	Ply 2	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224020 Job Reference (optional)
--------------------	---------------	-----------------------------	----------	-----------------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:09 2022 Page 2
ID:F7Th11J3pJM_1WbQYC5iDLygfU6-NaQtKQ5yiShXZKkSL9koex_3vh0mOubihjdBFzY1Sq

LOAD CASE(S) Standard

Concentrated Loads (lb)

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

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

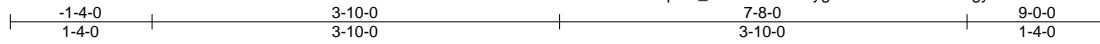
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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



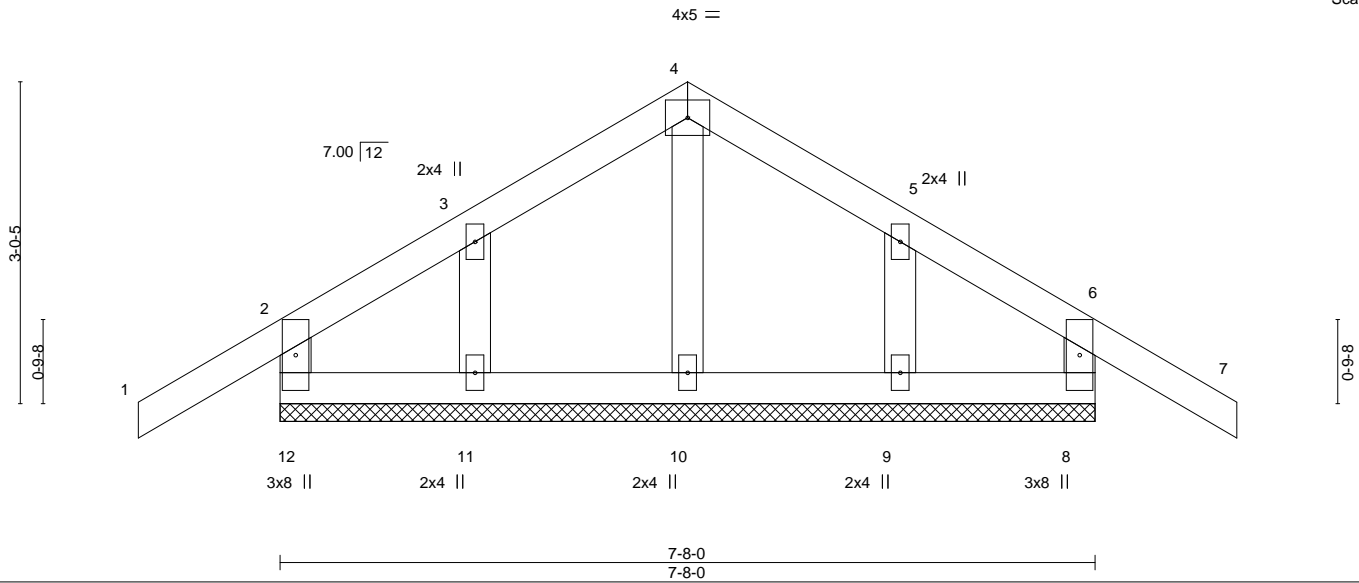
818 Soundside Road
Edenton, NC 27932

Job 22020376-01	Truss T2G	Truss Type COMMON SUPPORTED GAB	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224021
Carter Components (Lexington), Lexington, NC - 27295,					Job Reference (optional)

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:08 2022 Page 1
ID:F7Th1J3pJM_1WbQYC5iDLygfU6-vOsVX44Kx8ZgyA9FoSDZ5kSujHshfajZT3x4fpzY1Sr



Scale = 1:21.7



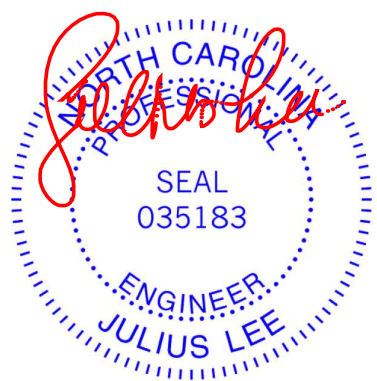
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.17	Vert(LL)	-0.01	7	n/r	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.03	Vert(CT)	-0.01	7	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	8	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-R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

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 7-8-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	

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

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

- NOTES-**
- 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=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-4-0 to 1-10-0, Exterior(2N) 1-10-0 to 3-10-0, Corner(3R) 3-10-0 to 6-10-0, Exterior(2N) 6-10-0 to 9-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - 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.
 - N/A
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



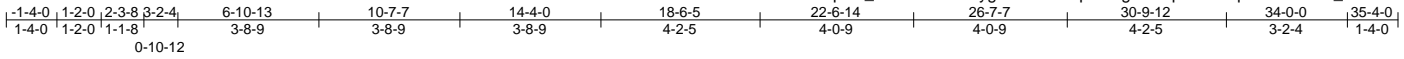
March 24, 2022

Job 22020376-01	Truss H1GRR	Truss Type HIP GIRDER	Qty 1	Ply 2	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224022
--------------------	----------------	--------------------------	----------	----------	--

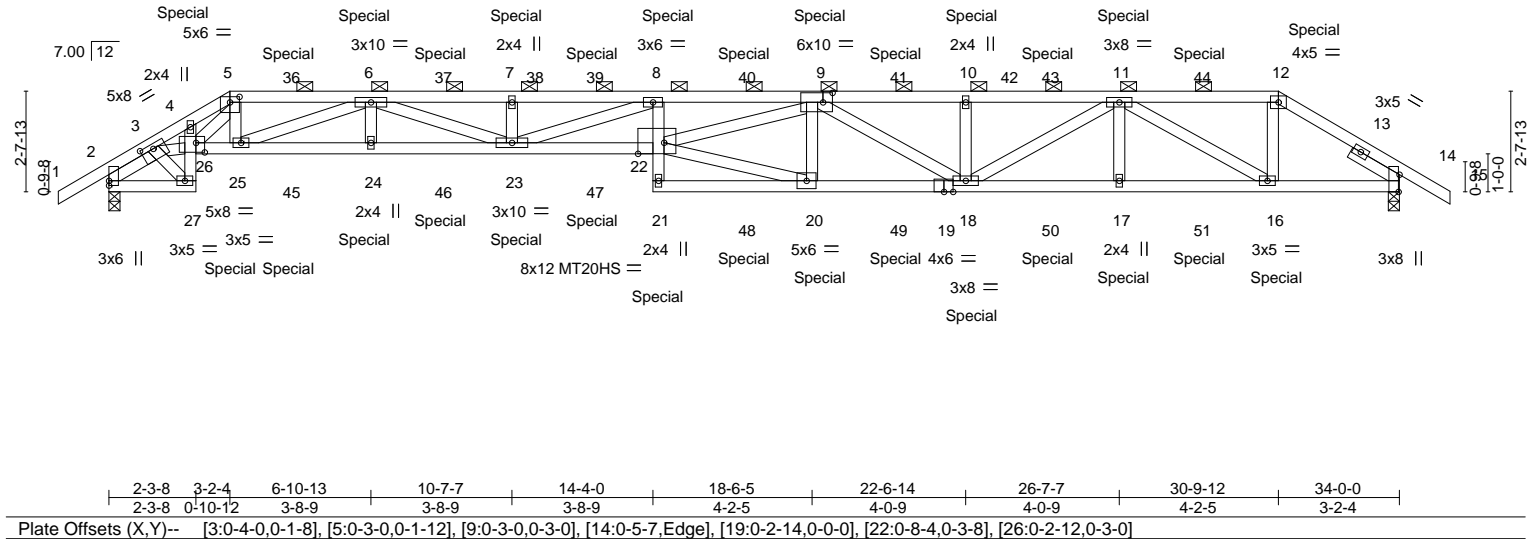
Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:45 2022 Page 1

ID:F7Th11J3pJM_1WbQYCSiDLygfU6-4zoiDpuM4gxhevqx7JAft?qE0ozm?2AA_sMMfzY1TC



Scale = 1:60.7



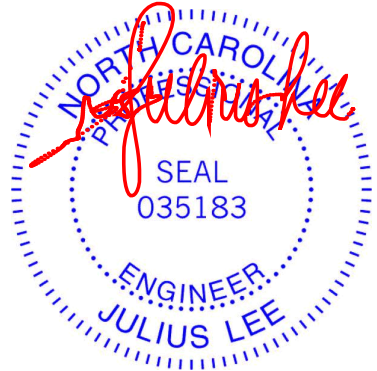
2-3-8	3-2-4	6-10-13	10-7-7	14-4-0	18-6-5	22-6-14	26-7-7	30-9-12	34-0-0	
2-3-8	0-10-12	3-8-9	3-8-9	3-8-9	4-2-5	4-0-9	4-0-9	4-2-5	3-2-4	
Plate Offsets (X, Y)-- [3:0-4-0,0-1-8], [5:0-3-0,0-1-12], [9:0-3-0,0-3-0], [14:0-5-7,Edge], [19:0-2-14,0-0-0], [22:0-8-4,0-3-8], [26:0-2-12,0-3-0]										
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.67	Vert(LL)	-0.51	22	>794	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.88	Vert(CT)	-1.04	22	>392	180	MT20HS	187/143
BCLL 0.0	Rep Stress Incr	NO	WB 0.71	Horz(CT)	0.25	14	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS						Weight: 372 lb	FT = 20%

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

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

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

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 14. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and conform to standard ANSI/TPI 1.



March 24, 2022

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 22020376-01	Truss H1GRR	Truss Type HIP GIRDER	Qty 1	Ply 2	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224022 Job Reference (optional)
--------------------	----------------	--------------------------	----------	-----------------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:45 2022 Page 2
ID:F7Th11J3pJM_1WbQYC5iDLygfU6-4zoiDpuM4gxhevqx7JAft?qE0ozm?2AA_sMMfzY1TC

NOTES-

- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 126 lb down and 30 lb up at 3-2-4, 52 lb down and 29 lb up at 4-9-0, 52 lb down and 29 lb up at 6-9-0, 52 lb down and 29 lb up at 8-9-0, 50 lb down and 29 lb up at 10-9-0, 49 lb down and 29 lb up at 12-9-0, 54 lb down and 41 lb up at 14-9-0, 54 lb down and 41 lb up at 16-9-0, 54 lb down and 41 lb up at 18-9-0, 54 lb down and 41 lb up at 20-9-0, 55 lb down and 41 lb up at 22-9-0, 57 lb down and 41 lb up at 24-9-0, 57 lb down and 41 lb up at 26-9-0, and 57 lb down and 41 lb up at 28-9-0, and 152 lb down and 45 lb up at 30-9-12 on top chord, and 153 lb down and 70 lb up at 3-2-4, 24 lb down and 18 lb up at 4-9-0, 24 lb down and 18 lb up at 6-9-0, 24 lb down and 18 lb up at 8-9-0, 24 lb down and 18 lb up at 10-9-0, 24 lb down and 18 lb up at 12-9-0, 19 lb down at 14-5-12, 19 lb down at 16-9-0, 19 lb down at 18-9-0, 19 lb down at 20-9-0, 19 lb down at 22-9-0, 19 lb down at 24-9-0, 19 lb down at 26-9-0, and 19 lb down at 28-9-0, and 172 lb down and 61 lb up at 30-9-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

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

Concentrated Loads (lb)

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

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

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



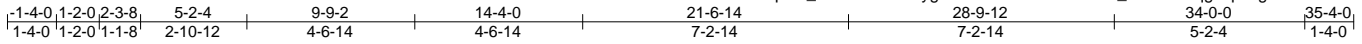
818 Soundside Road
Edenton, NC 27932

Job 22020376-01	Truss H1RE	Truss Type HIP	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224023
--------------------	---------------	-------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:51 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-v7K4zGtfxwQ5PZM_IOQav8FggRqUAgd3ZwJhZlZy1T6



Scale = 1:62.8

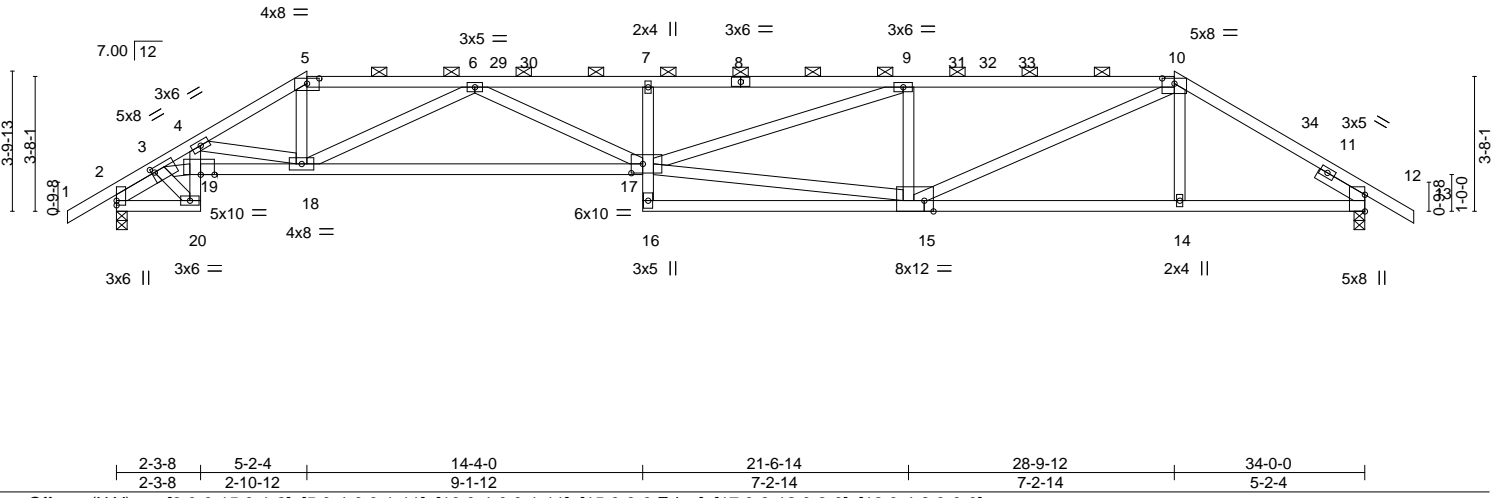


Plate Offsets (X,Y)-- [3:0-0-15,0-1-8], [5:0-4-0,0-1-11], [10:0-4-0,0-1-11], [15:0-3-0,Edge], [17:0-3-12,0-3-0], [19:0-4-8,0-0-0]

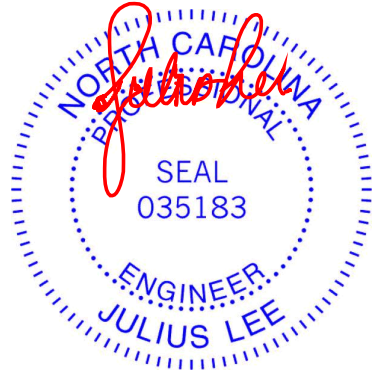
LOADING (psf)	SPACING -	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.80	Vert(LL)	-0.35	17	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.94	Vert(CT)	-0.77	17-18	>528		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.90	Horz(CT)	0.28	12	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS						
								Weight: 186 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 5-8,8-10: 2x4 SP 2400F 2.0E	TOP CHORD Structural wood sheathing directly applied or 2-3-2 oc purlins, except 2-0-0 oc purlins (3-5-10 max.): 5-10.
BOT CHORD 2x4 SP No.2 *Except* 17-19,12-15: 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 12-14.
WEBS 2x4 SP No.3 *Except* 15-17,3-19: 2x4 SP No.2	
SLIDER Left 2x4 SP No.3 1-4-5, Right 2x4 SP No.3 1-6-0	

REACTIONS.	(size) 2=0-3-8, 12=0-3-8
	Max Horz 2=64(LC 11)
	Max Uplift 2=43(LC 12), 12=43(LC 12)
	Max Grav 2=1440(LC 1), 12=1440(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-470/0, 3-4=-3662/0, 4-5=-2906/0, 5-6=-2543/0, 6-7=-4788/35, 7-9=-4672/49, 9-10=-3199/51, 10-12=-2080/30
BOT CHORD	2-20=0/1187, 19-20=0/1055, 4-19=0/572, 18-19=0/3408, 17-18=0/3923, 7-17=-341/73, 15-16=0/325, 14-15=0/1727, 12-14=0/1728
WEBS	3-20=-1331/0, 4-18=-905/84, 5-18=0/1157, 6-18=-1595/87, 6-17=0/1000, 15-17=0/3022, 9-17=0/1431, 9-15=-988/95, 10-15=-2/1689, 3-19=0/2855

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 2-1-12, Interior(1) 2-1-12 to 5-2-4, Exterior(2R) 5-2-4 to 9-9-2, Interior(1) 9-9-2 to 28-9-12, Exterior(2R) 28-9-12 to 33-8-6, Interior(1) 33-8-6 to 35-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 24, 2022

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

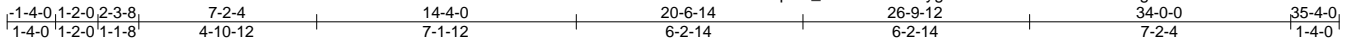
818 Soundside Road
Edenton, NC 27932

Job 22020376-01	Truss H1RD	Truss Type HIP	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T2724024
--------------------	---------------	-------------------	----------	----------	---

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:50 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-Rwmhws1AdlEnPnokguLMxiis1ToRCLvKGa71szY1T7



Scale: 3/16"=1'

10x12 MT18HS =

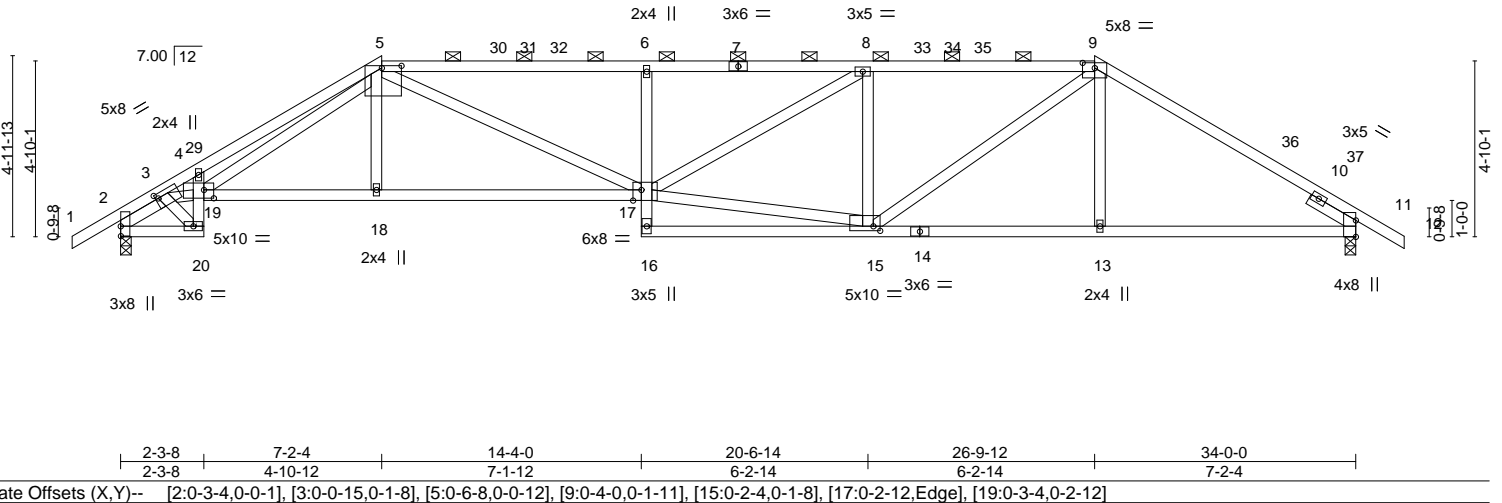


Plate Offsets (X,Y)--	[2:0-3-4,0-0-1], [3:0-0-15,0-1-8], [5:0-6-8,0-0-12], [9:0-4-0,0-1-11], [15:0-2-4,0-1-8], [17:0-2-12,Edge], [19:0-3-4,0-2-12]
-----------------------	--

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 0.61	Vert(LL)	-0.21	6	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.97	Vert(CT)	-0.46	17-18	>896	180	MT18HS	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.97	Horz(CT)	0.25	11	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS							
									Weight: 193 lb	FT = 20%

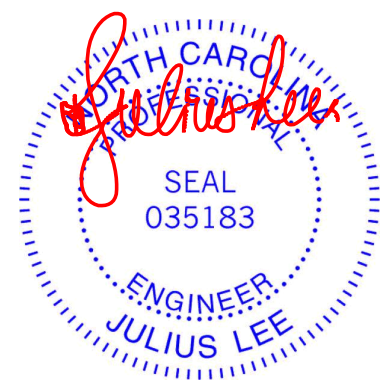
LUMBER-	BRACING-
TOP CHORD 2x4 SP 2400F 2.0E	TOP CHORD Structural wood sheathing directly applied or 3-8-2 oc purlins, except 2-0-0 oc purlins (4-1-0 max.): 5-9.
BOT CHORD 2x4 SP No.2 *Except* 6-16: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 11-13.
WEBS 2x4 SP No.3 *Except* 3-19: 2x4 SP No.2	
SLIDER Left 2x4 SP No.3 1-4-5, Right 2x4 SP No.3 1-6-0	

REACTIONS. (size) 2=0-3-8, 11=0-3-8
 Max Horz 2=84(LC 11)
 Max Uplift 2=-43(LC 12), 11=-43(LC 12)
 Max Grav 2=1440(LC 1), 11=1440(LC 1)

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

TOP CHORD	2-3=-536/0, 3-4=-3634/0, 4-5=-3934/66, 5-6=-3245/61, 6-8=-3190/60, 8-9=-2465/66, 9-11=-2054/42
BOT CHORD	2-20=0/1173, 19-20=0/1067, 18-19=0/2209, 17-18=0/2201, 6-17=-441/91, 13-15=0/1680, 11-13=0/1683
WEBS	3-20=-1346/0, 5-18=0/324, 5-17=-23/1241, 15-17=0/2333, 8-17=0/825, 8-15=-843/71, 9-15=0/1053, 3-19=0/2856, 5-19=-92/1441

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 2-0-14, Interior(1) 2-0-14 to 7-2-4, Exterior(2R) 7-2-4 to 11-11-15, Interior(1) 11-11-15 to 26-9-12, Exterior(2R) 26-9-12 to 31-7-7, Interior(1) 31-7-7 to 35-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 24, 2022

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

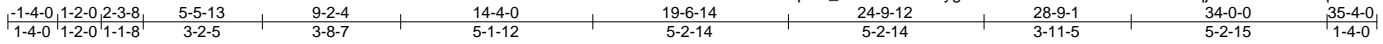
ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

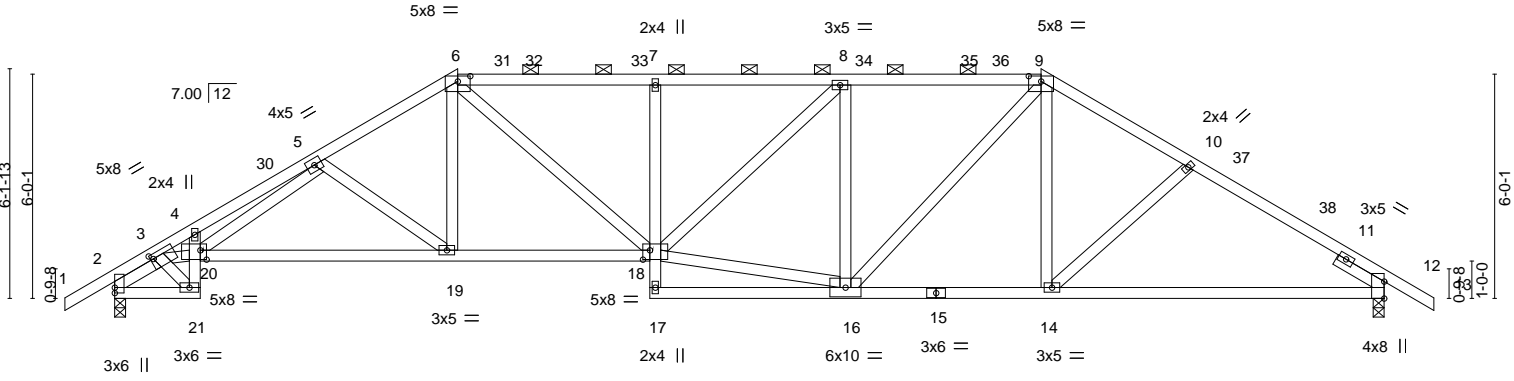
Job 22020376-01	Truss H1RC	Truss Type HIP	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224025
--------------------	---------------	-------------------	----------	----------	--

Carter Components (Lexington), Lexington, NC - 27295, 8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:49 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-zkCJYasPPJANAFcCzN6qj9Rad8diosm5cqaVQzY1T8



Scale = 1:61.7



2-3-8	9-2-4	14-4-0	19-6-14	24-9-12	34-0-0
2-3-8	6-10-12	5-1-12	5-2-14	5-2-14	9-2-4

Plate Offsets (X,Y)-- [3:0-0-15,0-1-8], [6:0-4-0,0-1-11], [9:0-4-0,0-1-11], [18:0-2-4,0-3-0], [20:0-2-0,0-3-0]

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 0.97	Vert(LL)	-0.18	7	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.96	Vert(CT)	-0.37	18-19	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.79	Horz(CT)	0.23	12	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS						

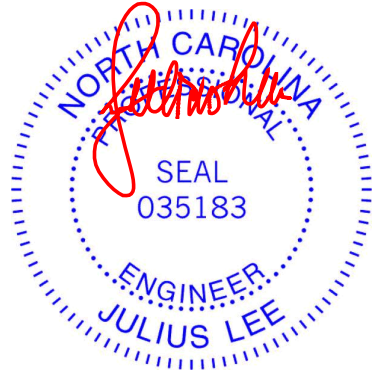
Weight: 208 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except
BOT CHORD 2x4 SP No.2 *Except*	2-0-0 oc purlins (3-4-8 max.): 6-9.
7-17: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3 *Except*	2-2-0 oc bracing: 12-14.
3-20: 2x4 SP No.2	
SLIDER Left 2x4 SP No.3 1-4-5, Right 2x4 SP No.3 1-6-0	

REACTIONS.
(size) 2=0-3-8, 12=0-3-8
Max Horz 2=103(LC 11)
Max Uplift 2=-43(LC 12), 12=-43(LC 12)
Max Grav 2=1440(LC 1), 12=1440(LC 1)

FORCES.
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-406/0, 3-4=-3630/0, 4-5=-3944/0, 5-6=-2300/44, 6-7=-2415/70, 7-8=-2395/69, 8-9=-1994/82, 9-10=-1868/61, 10-12=-2037/61
BOT CHORD 2-21=0/1212, 20-21=0/1125, 19-20=0/2342, 18-19=0/1935, 7-18=-350/69, 14-16=0/1591, 12-14=0/1670
WEBS 3-21=-1428/0, 6-19=0/477, 6-18=-20/720, 16-18=0/1907, 8-18=0/557, 8-16=-725/56, 9-16=-17/668, 9-14=0/284, 3-20=0/2830, 5-19=-484/69, 5-20=0/1369

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 2-0-14, Interior(1) 2-0-14 to 9-2-4, Exterior(2R) 9-2-4 to 13-11-15, Interior(1) 13-11-15 to 24-9-12, Exterior(2R) 24-9-12 to 29-7-7, Interior(1) 29-7-7 to 35-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 24, 2022

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

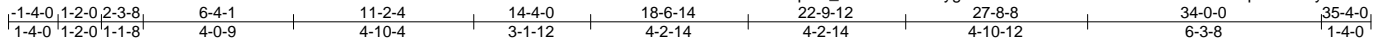
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job 22020376-01	Truss H1RB	Truss Type HIP	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224026
--------------------	---------------	-------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:48 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-VYfxKErnf?2WY6dPdFstHWdIWdp2zM2csy50zzzY1T9



Scale = 1:62.0

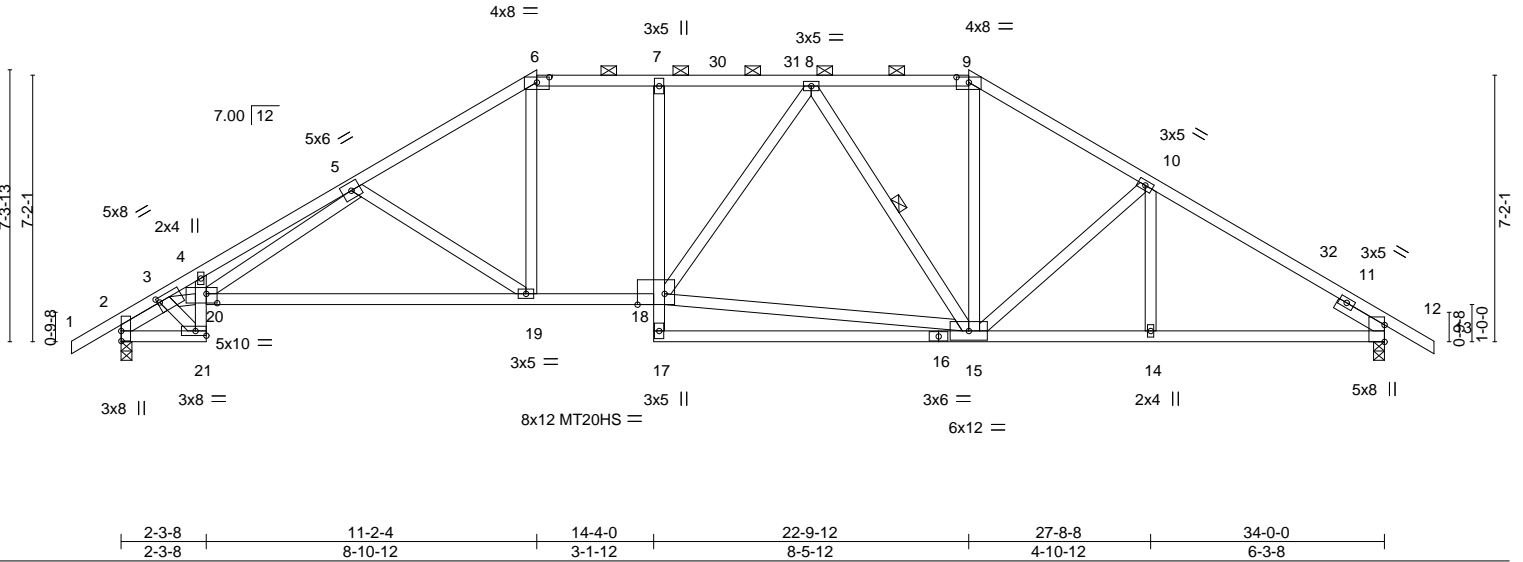


Plate Offsets (X,Y)--	[2:0-3-4,0-0-1], [3:0-0-11,0-1-8], [6:0-4-0,0-1-11], [9:0-4-0,0-1-11], [18:0-8-12,Edge], [20:0-3-8,0-3-0]
-----------------------	---

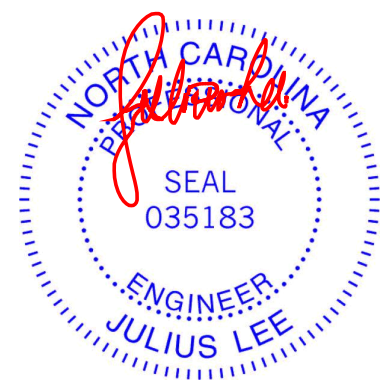
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.86	Vert(LL)	-0.33 15-17	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.92	Vert(CT)	-0.64 15-17	>638	180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.76	Horz(CT)	0.21 12	n/a	n/a		
BCDL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

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1 *Except* 6-9: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-4-12 oc purlins, except
BOT CHORD 2x4 SP No.2 *Except* 18-20,12-16: 2x4 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SP No.3 *Except* 3-20: 2x4 SP No.2	WEBS 1 Row at midpt 8-15
SLIDER Left 2x4 SP No.3 1-4-5, Right 2x4 SP No.3 1-6-0	

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

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 2-0-14, Interior(1) 2-0-14 to 11-2-4, Exterior(2R) 11-2-4 to 15-11-15, Interior(1) 15-11-15 to 22-9-12, Exterior(2R) 22-9-12 to 27-8-8, Interior(1) 27-8-8 to 35-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 24, 2022

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

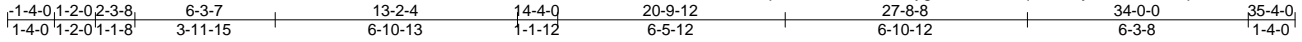
818 Soundside Road
Edenton, NC 27932

Job 22020376-01	Truss H1RA	Truss Type HIP	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224027
--------------------	---------------	-------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:47 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-1L5Z7uq9uiwfwy2D3YLeil464pTdEurTelLTQXzY1TA



Scale = 1:65.6

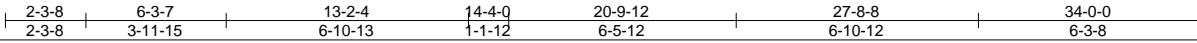
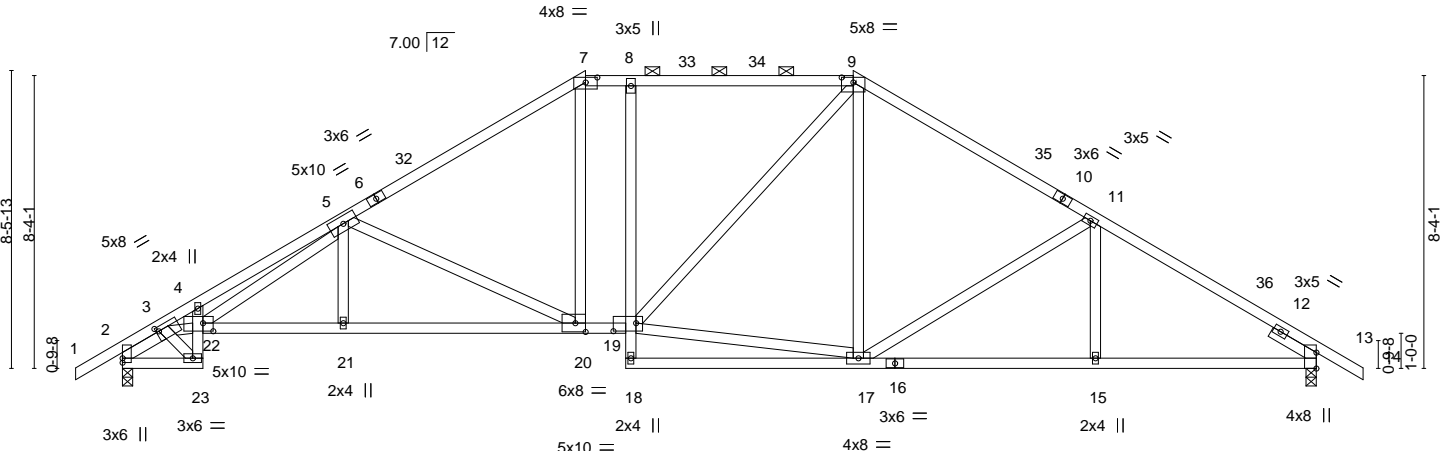


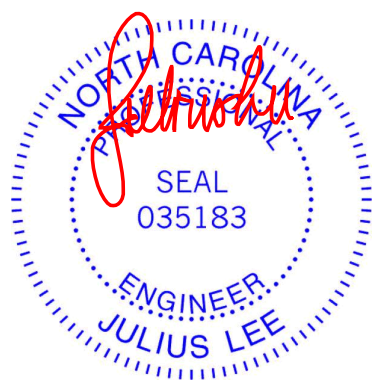
Plate Offsets (X,Y)--	[3:0-0-15,0-1-8], [7:0-4-0,0-1-11], [9:0-4-0,0-1-11], [19:0-7-12,0-2-12], [20:0-3-8,0-3-0], [22:0-3-8,0-2-12]
-----------------------	---

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.90	Vert(LL) -0.16 19 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.93	Vert(CT) -0.32 17-18 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.82	Horz(CT) 0.23 13 n/a n/a		
BCDL 10.0	Code IRC2018/TPI2014	Matrix-MS		Weight: 217 lb	FT = 20%

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

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 2-0-14, Interior(1) 2-0-14 to 13-2-4, Exterior(2R) 13-2-4 to 17-11-15, Interior(1) 17-11-15 to 20-9-12, Exterior(2R) 20-9-12 to 25-7-7, Interior(1) 25-7-7 to 35-4-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 13. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 24, 2022

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 22020376-01	Truss T1	Truss Type COMMON	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224029
--------------------	-------------	----------------------	----------	----------	--

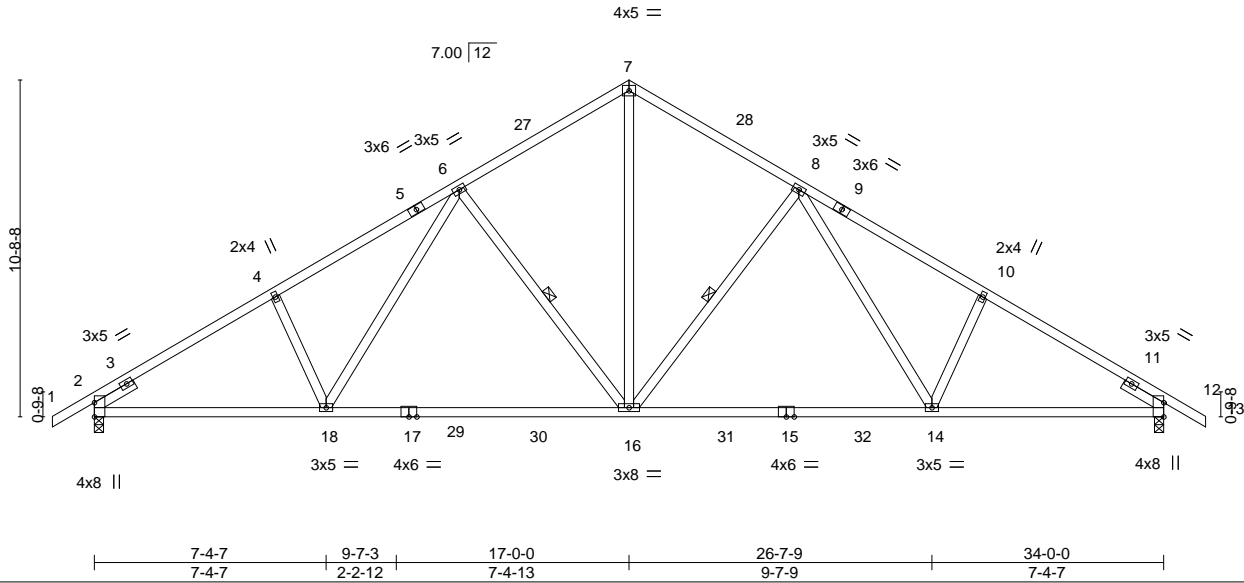
Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:59 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-gfp5e?zg3OQyNozXm3ZSEqaAEfZG2RIEOAF6rrzY1T_



Scale = 1:73.3



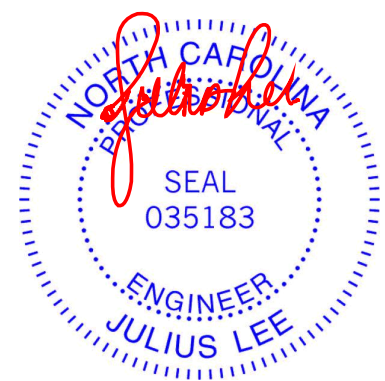
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.89	Vert(LL)	-0.32 14-16	>999	240	MT20	244/190
BCDL 10.0	Lumber DOL	1.15	BC 0.94	Vert(CT)	-0.56 14-16	>730	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.32	Horz(CT)	0.11 12	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014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

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

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

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 35-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.
 - 6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



March 24, 2022

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

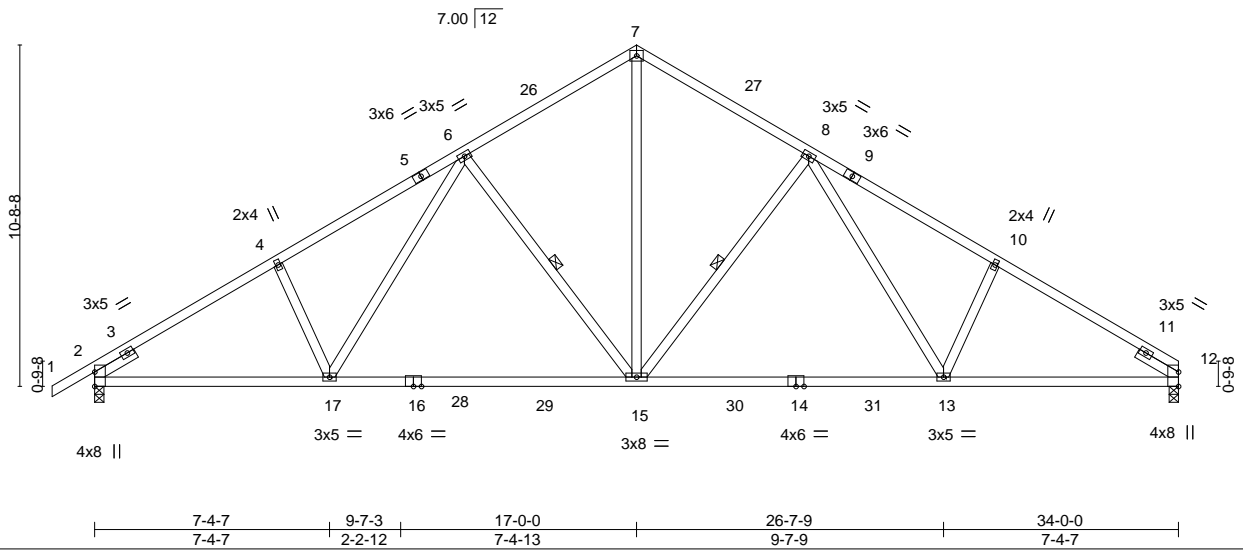
Job 22020376-01	Truss T1A	Truss Type COMMON	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224030
Carter Components (Lexington), Lexington, NC - 27295,					Job Reference (optional)

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:00 2022 Page 1
 ID:F7Th11J3pJM_1WbQYC5iDLygfU6-8rNTrL_lqhZp_yYjKm4hm26Ly3vWnuzNdq?fNHZy1Sz



4x5 =

Scale = 1:72.3



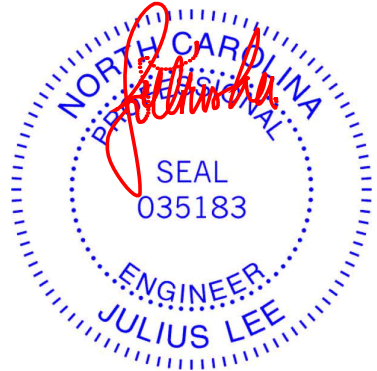
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.15	TC 0.89	Vert(LL)	-0.32 15-17	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.94	Vert(CT)	-0.56 15-17	>730	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.32	Horz(CT)	0.11 12	n/a	n/a		
BCDL 10.0	Code	IRC2018/TPI2014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

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

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

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TC DL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 34-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 12. This connection is for uplift only and does not consider lateral forces.
 - 6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



March 24, 2022

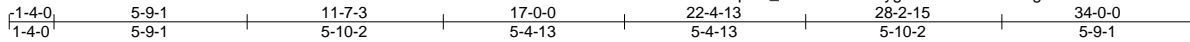
Job 22020376-01	Truss T1AS	Truss Type COMMON	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224031
--------------------	---------------	----------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:01 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-c2xs3h?xb?hgc57vtUbwJFFU1TFQWITXsUkCvjzY1Sy

Job Reference (optional)



Scale = 1:68.7

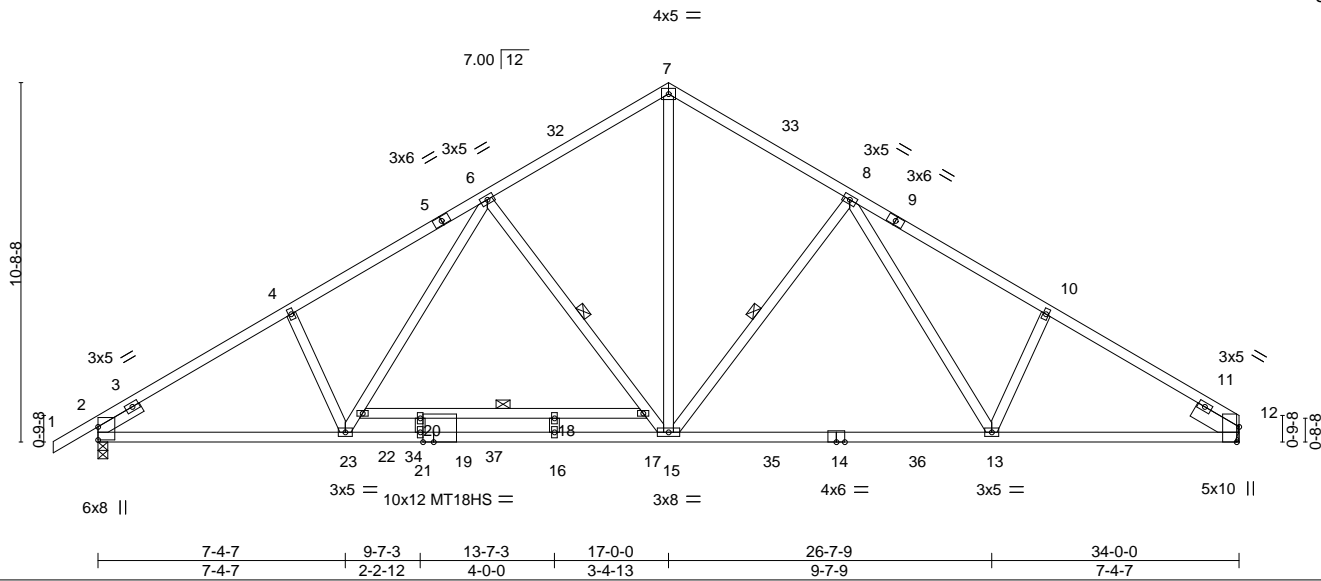


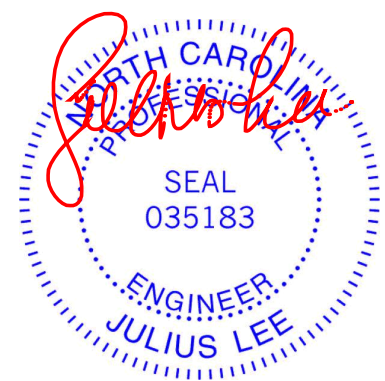
Plate Offsets (X,Y)--	[12:0-5-7,Edge], [19:0-3-13,0-0-0]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 1.00	Vert(LL) -0.35 16-21 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.90	Vert(CT) -0.90 16-21 >453 180	MT18HS	244/190
BCLL 0.0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

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

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

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 34-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) 350.0lb AC unit load placed on the bottom chord, 11-7-3 from left end, supported at two points, 4-0-0 apart.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) All plates are 2x4 MT20 unless otherwise indicated.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 8) Refer to girder(s) for truss to truss connections.
 - 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.



March 24, 2022

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 22020376-01	Truss T1GR	Truss Type ROOF SPECIAL GIRDER	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224032
Carter Components (Lexington), Lexington, NC - 27295,					Job Reference (optional)

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:08 2022 Page 1
 ID:F7Th11J3pJM_1WbQYC5iDLygfU6-vOsVX44Kx8ZgyA9FoSDZ5kShgHd5iMFZT3x4fpzY1Sr

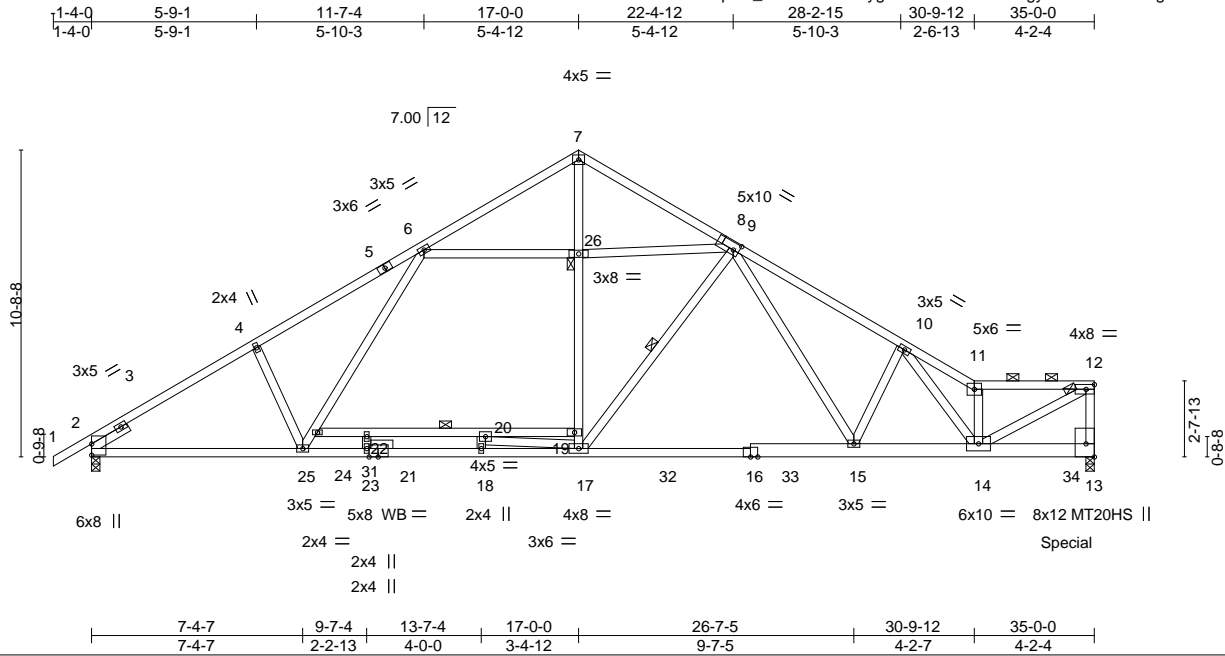


Plate Offsets (X,Y)--	[8:0-2-6,0-3-0], [13:Edge,0-3-8], [21:0-3-13,0-0-0]
-----------------------	---

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.97	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.96	Vert(LL) -0.24 18-23 >999 240	MT20HS	187/143
BCLL 0.0 *	Lumber DOL 1.15	WB 0.94	Vert(CT) -0.75 18-23 >555 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.08 13 n/a n/a		
	Code IRC2018/TPI2014			Weight: 243 lb	FT = 20%

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

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

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-3161/0, 4-6=-3042/0, 6-7=-1356/0, 7-9=-1372/0, 9-10=-3075/0, 10-11=-3488/0,
 11-12=-2908/0, 12-13=-1808/0
 BOT CHORD 2-25=0/2736, 23-25=0/2609, 18-23=0/2609, 17-18=0/2609, 15-17=0/2184, 14-15=0/2756,
 22-24=-364/0, 20-22=-364/0, 19-20=0/634
 WEBS 24-25=0/472, 6-24=0/775, 17-19=0/992, 19-26=0/1027, 7-26=0/1104, 9-17=-354/289,
 9-15=0/846, 10-15=-473/45, 10-14=0/482, 11-14=-1834/0, 12-14=0/3262, 6-26=-1293/0,
 9-26=-1191/52, 17-20=-1019/0

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 350.0lb AC unit load placed on the bottom chord, 11-7-4 from left end, supported at two points, 4-0-0 apart.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 60 lb down and 16 lb up at 34-10-4 on top chord, and 786 lb down at 34-0-12 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).



March 24, 2022

Continued on page 2

LOAD CASE(S) Standard

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job 22020376-01	Truss T1GR	Truss Type ROOF SPECIAL GIRDER	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224032 Job Reference (optional)
--------------------	---------------	-----------------------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:08 2022 Page 2
ID:F7Th11J3pJM_1WbQYC5iDLygfU6-vOsVX44Kx8ZgyA9FoSDZ5kShgHd5fMFZT3x4fpzY1Sr

LOAD CASE(S) Standard

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

Uniform Loads (plf)

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

Concentrated Loads (lb)

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

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



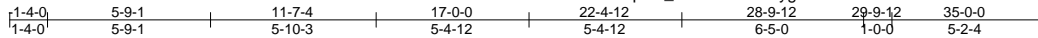
818 Soundside Road
Edenton, NC 27932

Job 22020376-01	Truss T1B	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224033
--------------------	--------------	----------------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:03 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-ZQ3cUN1B6cxOrPHI?vdOOgkrkGw?_4OqJoDJzczY1Sw



Scale = 1:81.3

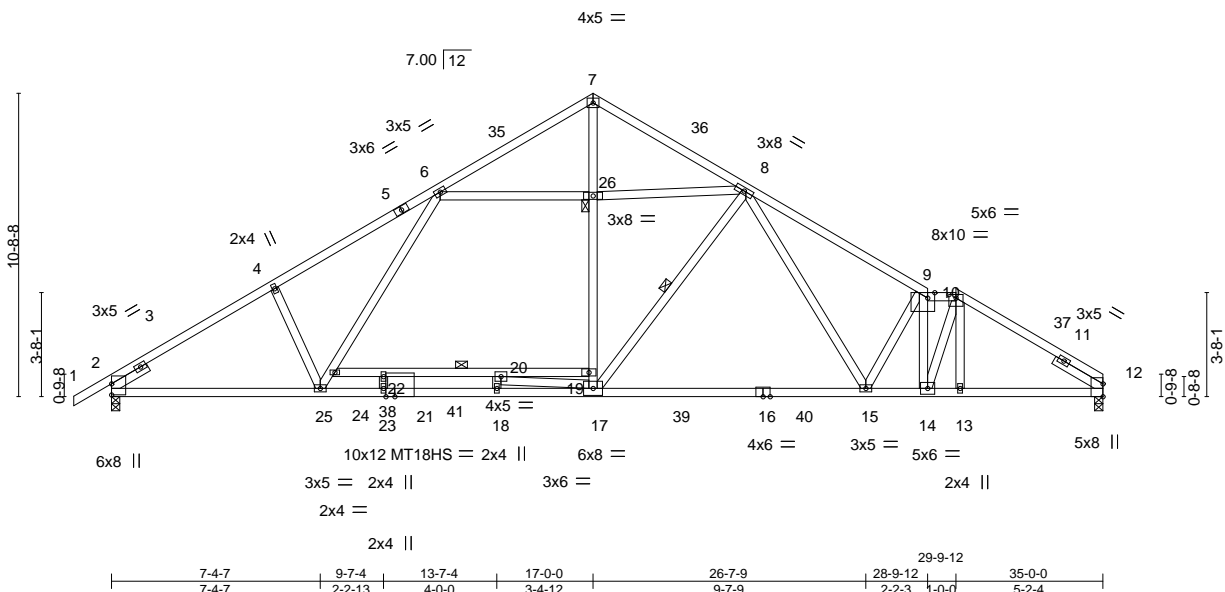


Plate Offsets (X,Y)--	[9:0-3-0,Edge], [10:0-3-0,0-1-8], [21:0-3-13,0-0-0]
-----------------------	---

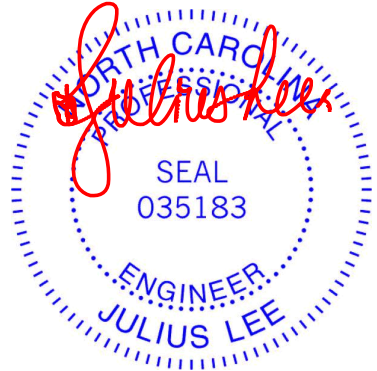
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.92	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.96	Vert(LL) -0.38 18-23 >999 240	MT18HS	244/190
BCLL 0.0 *	Lumber DOL 1.15	WB 0.98	Vert(CT) -0.88 18-23 >477 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.12 12 n/a n/a		
	Code IRC2018/TPI2014			Weight: 233 lb	FT = 20%

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

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

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 29-9-12, Exterior(2R) 29-9-12 to 32-9-12, Interior(1) 32-9-12 to 35-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 350.0lb AC unit load placed on the bottom chord, 11-7-4 from left end, supported at two points, 4-0-0 apart.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 24, 2022

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

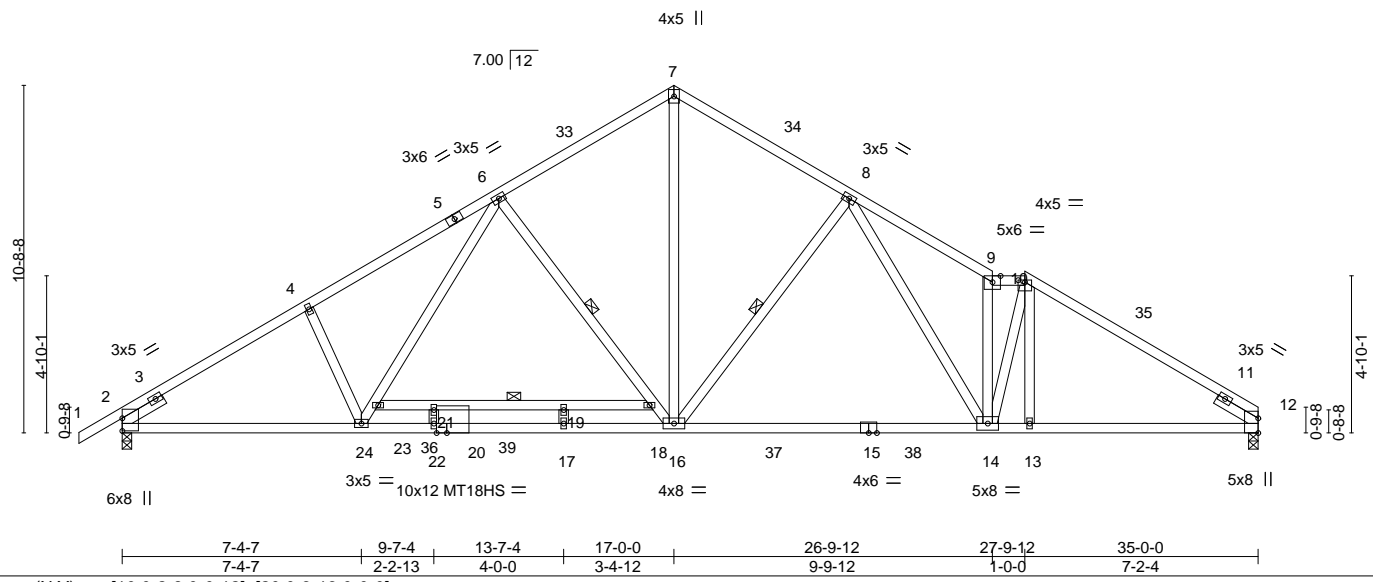
Job 22020376-01	Truss T1C	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224034
--------------------	--------------	----------------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:04 2022 Page 1
ID:F7Th11J3pJM_1WbQYC5iDLygfU6-1dc_hi1ptw3FTzrUZc9dxuH1xgHNjbWzYSztW2zY1Sv



Scale = 1:71.0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.89	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.88	Vert(LL) -0.36 17-22 >999 240	MT18HS	244/190
BCLL 0.0 *	Lumber DOL 1.15	WB 0.73	Vert(CT) -0.93 19-21 >452 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.11 12 n/a n/a		
	Code IRC2018/TPI2014			Weight: 224 lb	FT = 20%

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

REACTIONS. (size) 12=0-3-8, 2=0-3-8
Max Horz 2=179(LC 11)
Max Grav 12=1822(LC 18), 2=2125(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-3267/0, 4-6=-3147/0, 6-7=-2172/0, 7-8=-2169/0, 8-9=-3069/0, 9-10=-2654/0,
10-12=-2797/0
BOT CHORD 2-24=0/2824, 22-24=0/2481, 17-22=0/2481, 16-17=0/2481, 14-16=0/2189, 13-14=0/2324,
12-13=0/2322
WEBS 23-24=0/612, 6-23=0/883, 6-18=-786/0, 16-18=-1024/0, 7-16=0/1870, 8-16=-684/134,
8-14=-47/850, 9-14=-1613/0, 10-14=0/1332

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 27-9-12, Exterior(2R) 27-9-12 to 30-9-12, Interior(1) 30-9-12 to 35-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 350.0lb AC unit load placed on the bottom chord, 11-7-4 from left end, supported at two points, 4-0-0 apart.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 24, 2022

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

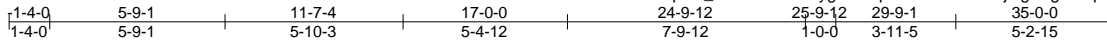
Job 22020376-01	Truss T1D	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224035
--------------------	--------------	----------------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:05 2022 Page 1

ID:F7Th11J3pJM_1WbQYCSiDLygfU6-VpAMv22ReDB65JQg6KgsT5qCi4eTS4s7n5IQ2UzY1Su

Job Reference (optional)



Scale = 1:75.7

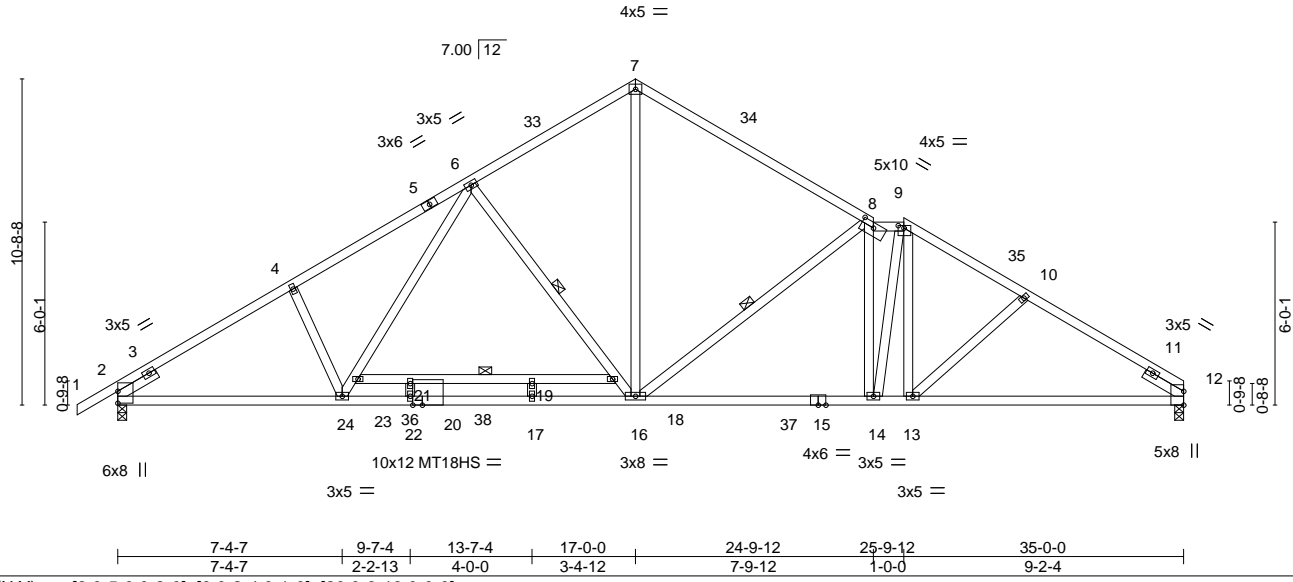


Plate Offsets (X,Y)--	[8:0-5-0,0-2-0], [9:0-2-4,0-1-0], [20:0-3-13,0-0-0]
-----------------------	---

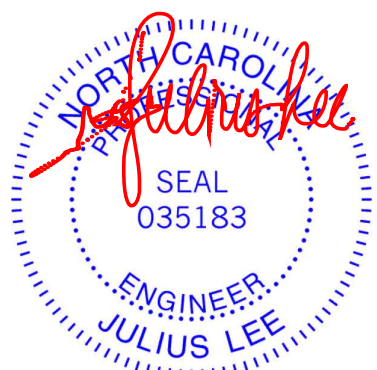
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.15	TC 0.89	Vert(LL)	-0.37	19-21	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.83	Vert(CT)	-0.94	19-21	>448	180	MT18HS	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.60	Horz(CT)	0.11	12	n/a	n/a		
BCDL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

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

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

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 25-9-12, Exterior(2R) 25-9-12 to 28-9-12, Interior(1) 28-9-12 to 35-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) 350.0lb AC unit load placed on the bottom chord, 11-7-4 from left end, supported at two points, 4-0-0 apart.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) All plates are 2x4 MT20 unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 24, 2022

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

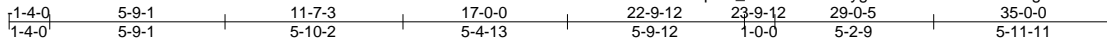
ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job 22020376-01	Truss T1E	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224036
--------------------	--------------	----------------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:56:06 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-z?kl6O33PXJzit?tg1B50JMMtU_iBWeG?ISzazY1St



Scale = 1:75.7

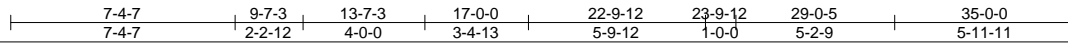
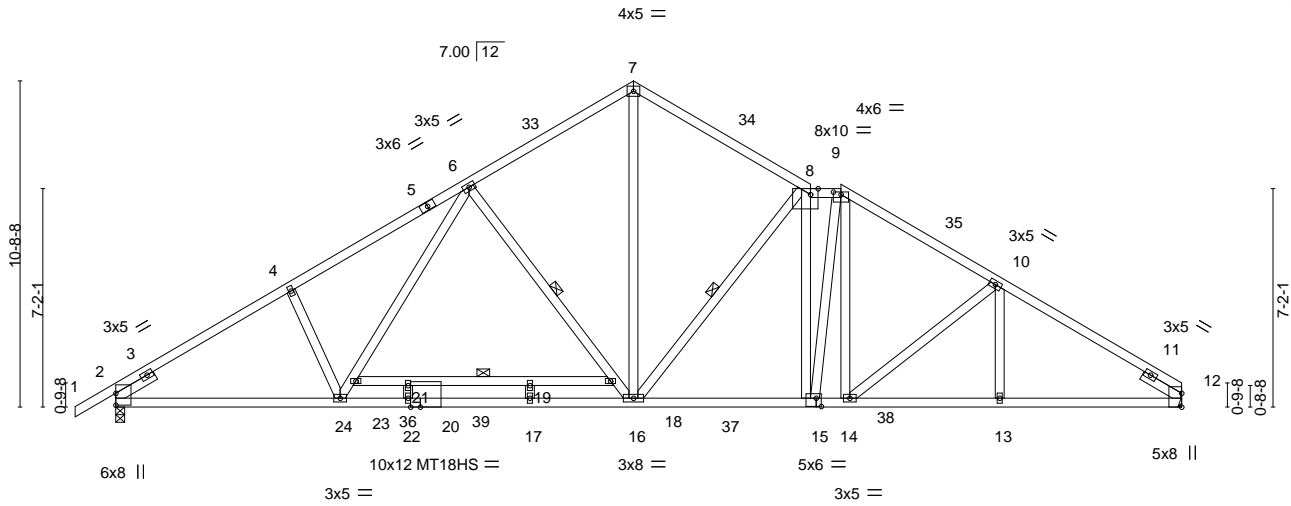


Plate Offsets (X,Y)-- [8:0-3-0,Edge], [9:0-3-0,0-1-0], [15:0-2-0,0-3-4], [20:0-3-13,0-0-0]

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)	-0.38 19-21	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.15	BC 0.83	Vert(CT)	-0.95 19-21	>444	180	MT18HS	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.69	Horz(CT)	0.12 12	n/a	n/a		
BCDL 10.0	Code IRC2018/TPI2014		Matrix-MS						
								Weight: 237 lb	FT = 20%

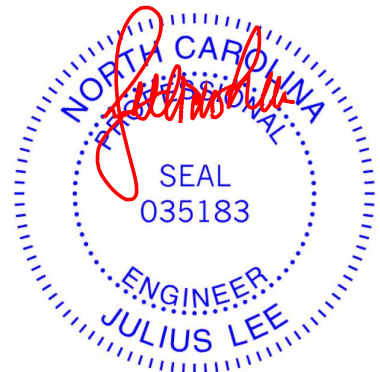
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
9-12: 2x4 SP No.1, 1-5: 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
7-16: 2x4 SP No.2
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except
2-0-0 oc purlins (3-9-2 max.): 8-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
6-0-0 oc bracing: 18-23
WEBS 1 Row at midpt 6-16, 8-16

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

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 17-0-0, Exterior(2R) 17-0-0 to 20-0-0, Interior(1) 20-0-0 to 23-9-12, Exterior(2R) 23-9-12 to 26-9-12, Interior(1) 26-9-12 to 35-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) 350.0lb AC unit load placed on the bottom chord, 11-7-3 from left end, supported at two points, 4-0-0 apart.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) All plates are MT20 plates unless otherwise indicated.
 - 6) All plates are 2x4 MT20 unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 9) Refer to girder(s) for truss to truss connections.
 - 10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 24, 2022

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 22020376-01	Truss H1	Truss Type ROOF SPECIAL	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224037
--------------------	-------------	----------------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:33 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-RfGB6fNBO9eFo_XEc5MALVjoAgmydyPQ7yKxLzY1TO

Job Reference (optional)

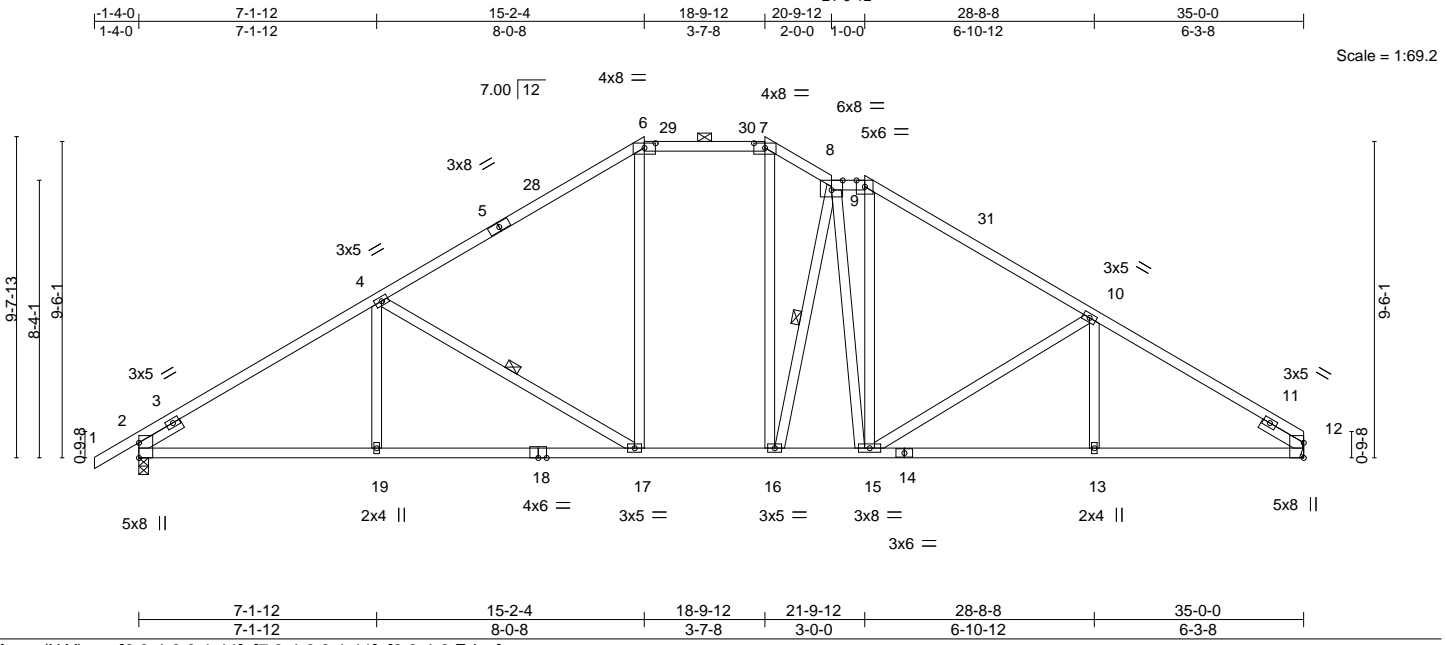


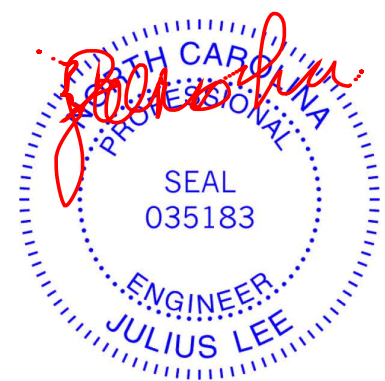
Plate Offsets (X,Y)--	[6:0-4-0,0-1-11], [7:0-4-0,0-1-11], [8:0-4-0,Edge]				
LOADING (psf)	SPACING 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.96	Vert(LL) -0.34 17-19 >999 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.97	Vert(CT) -0.55 17-19 >759 180		
BCLL 0.0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

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

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

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 15-2-4, Exterior(2R) 15-2-4 to 18-2-4, Interior(1) 18-2-4 to 18-9-12, Exterior(2E) 18-9-12 to 20-9-12, Interior(1) 20-9-12 to 21-9-12, Exterior(2R) 21-9-12 to 24-9-12, Interior(1) 24-9-12 to 35-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 100 lb uplift at joint(s) 12.
 - 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.



March 24, 2022

Job 22020376-01	Truss H1A	Truss Type HIP	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224038
--------------------	--------------	-------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:34 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-vroeOSg?yIHVtyZjoJcbjZ1tPa0Th5dZeniHTnzY1TN



Scale: 3/16"=1'

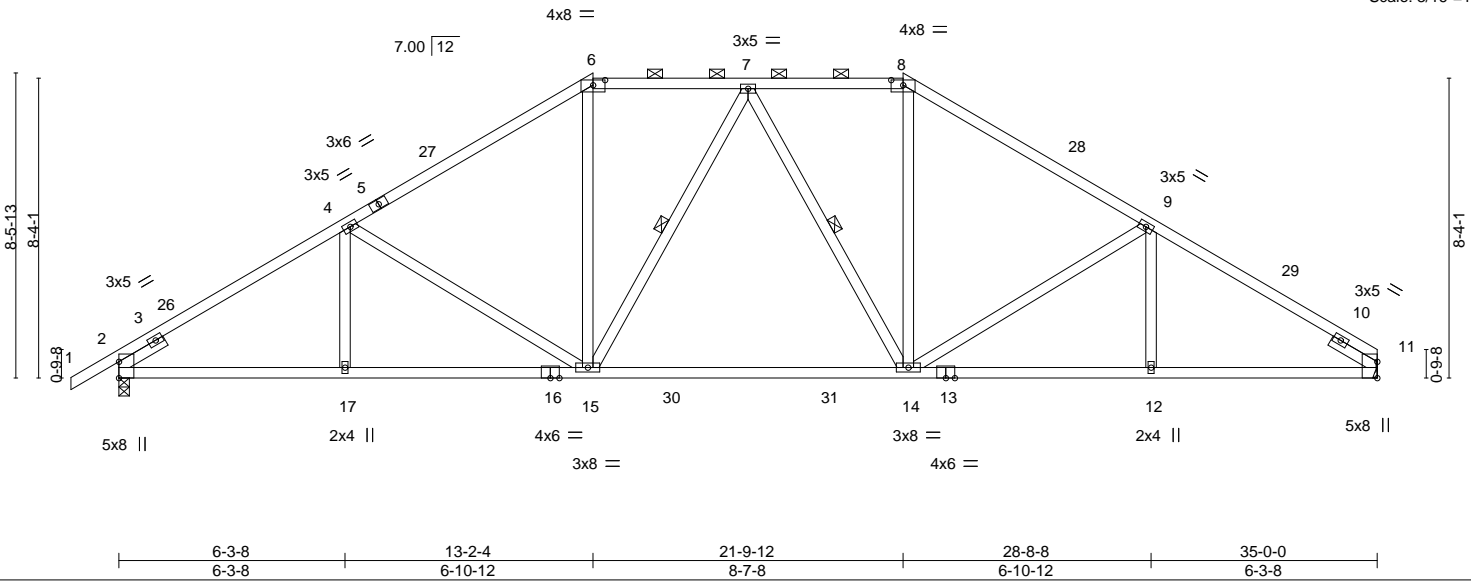


Plate Offsets (X,Y)--	[6:0-4-0,0-1-11], [8:0-4-0,0-1-11]
-----------------------	------------------------------------

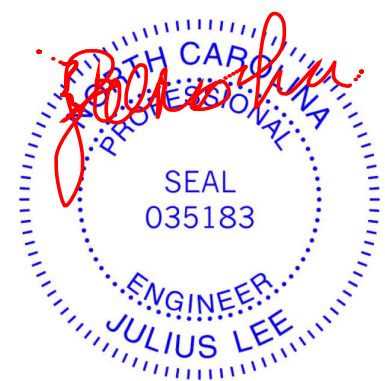
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15		TC 0.96	Vert(LL) -0.29	14-15	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15		BC 1.00	Vert(CT) -0.50	14-15	>837	180		
BCLL 0.0 *	Rep Stress Incr YES		WB 0.50	Horz(CT) 0.12	11	n/a	n/a		
BCDL 10.0	Code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

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

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

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 13-2-4, Exterior(2R) 13-2-4 to 17-6-0, Interior(1) 17-6-0 to 21-9-12, Exterior(2R) 21-9-12 to 26-0-11, Interior(1) 26-0-11 to 35-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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.



March 24, 2022

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

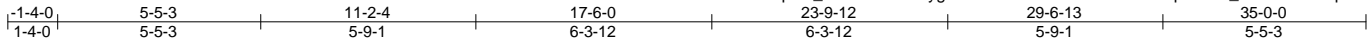
Job 22020376-01	Truss H1B	Truss Type HIP	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224039
--------------------	--------------	-------------------	----------	----------	--

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

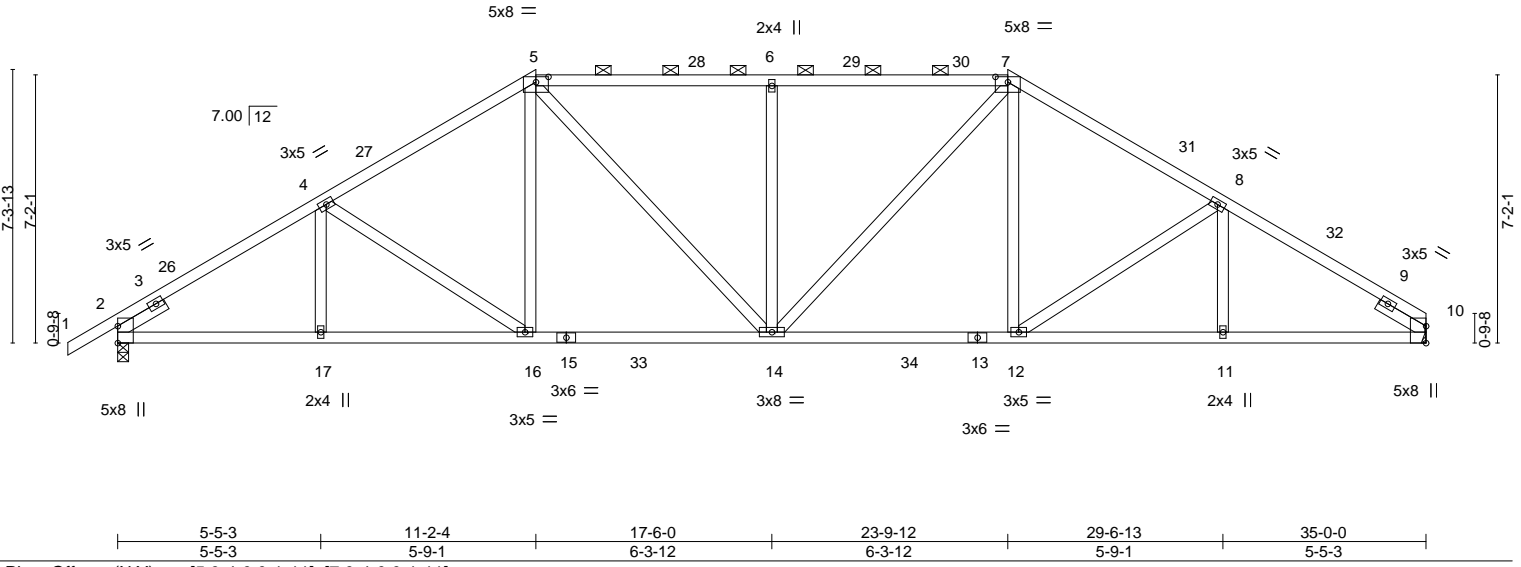
8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:35 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-N2M0c0hdi0PMU68vM07qFma2o_NFQZDitRRq?EzY1TM

Job Reference (optional)



Scale = 1:61.6



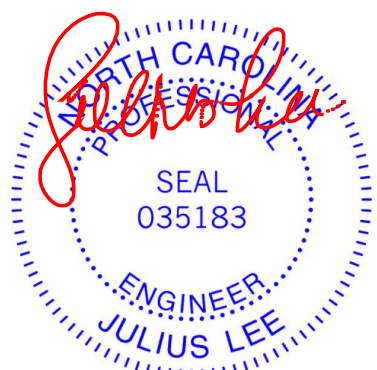
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.99	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.91	Vert(LL) -0.16 12-14 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.42	Vert(CT) -0.30 12-14 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.12 10 n/a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

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 1-5: 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-8-4 max.): 5-7.
BOT CHORD 2x4 SP No.1 *Except* 13-15: 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0	

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

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 11-2-4, Exterior(2R) 11-2-4 to 15-5-3, Interior(1) 15-5-3 to 23-9-12, Exterior(2R) 23-9-12 to 28-0-11, Interior(1) 28-0-11 to 35-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10.
 - 8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2. This connection is for uplift only and does not consider lateral forces.
 - 9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 24, 2022

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

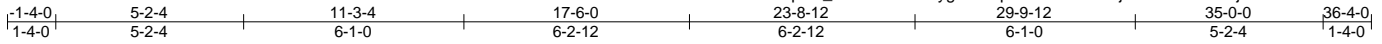
ENGINEERING BY
TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

Job 22020376-01	Truss H1E	Truss Type HIP	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224042
--------------------	--------------	-------------------	----------	----------	--

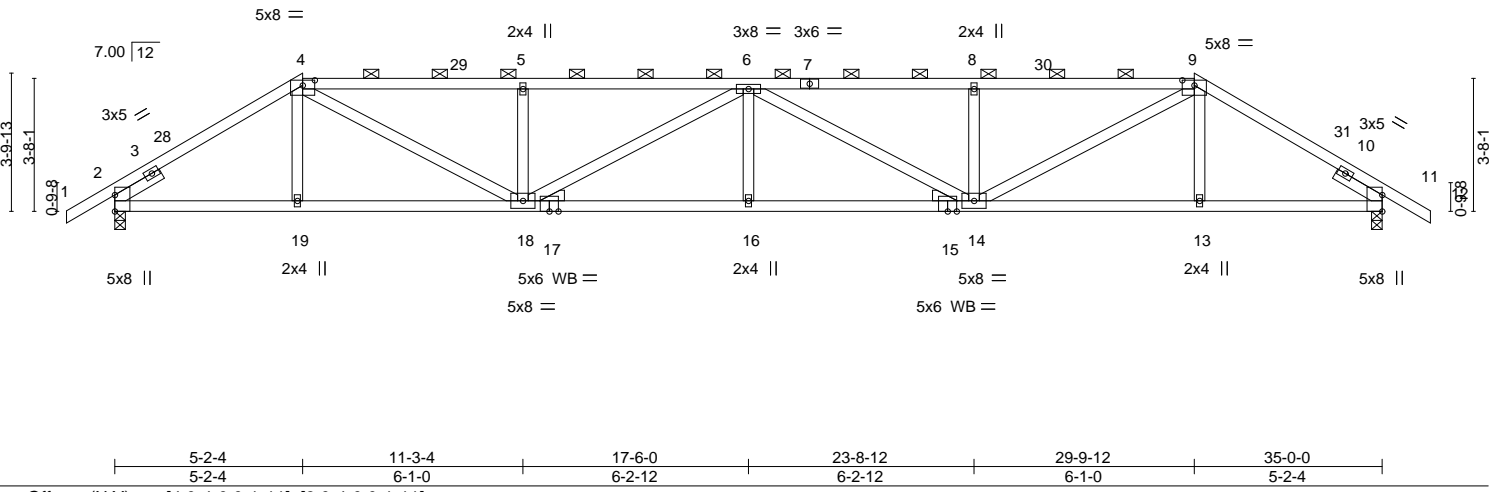
Carter Components (Lexington), Lexington, NC - 27295,

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:39 2022 Page 1

ID:F7Th11J3pJM_1WbQYC5iDLygfU6-GpcXR9k7mEvozjRhbsCmQcInlbgMHflo3P287zY1TI



Scale: 3/16"=1'



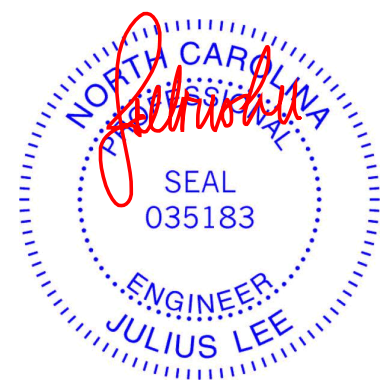
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.83	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.96	Vert(LL) -0.28 16 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.71	Vert(CT) -0.57 16-18 >740 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.14 11 n/a n/a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

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

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

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 5-2-4, Exterior(2R) 5-2-4 to 9-5-3, Interior(1) 9-5-3 to 29-9-12, Exterior(2R) 29-9-12 to 34-0-11, Interior(1) 34-0-11 to 36-4-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 11. This connection is for uplift only and does not consider lateral forces.
 - This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



March 24, 2022

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 22020376-01	Truss H1GR	Truss Type HIP GIRDER	Qty 1	Ply 1	Carolina Seasons Lot10-Ph2 S2-2913 Elev 'B' Permit-Roof Truss T27224043 Job Reference (optional)
--------------------	---------------	--------------------------	----------	----------	--

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

8.530 s Dec 6 2021 MiTek Industries, Inc. Wed Mar 23 13:55:41 2022 Page 2
ID:F7Th11J3pJM_1WbQYc5iDLygfU6-CBkIsrOIs9WC1b3iHEEV1q3UPUzqCzaFNu9DtzY1TG

NOTES-

- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 152 lb down and 45 lb up at 3-2-4, 57 lb down and 43 lb up at 3-9-0, 62 lb down and 41 lb up at 5-9-0, 62 lb down and 41 lb up at 7-9-0, 62 lb down and 41 lb up at 9-9-0, 54 lb down and 41 lb up at 11-9-0, 54 lb down and 41 lb up at 13-9-0, 54 lb down and 41 lb up at 15-9-0, 54 lb down and 41 lb up at 17-9-0, 54 lb down and 41 lb up at 19-9-0, 54 lb down and 41 lb up at 21-9-0, 55 lb down and 41 lb up at 23-9-0, 62 lb down and 41 lb up at 25-9-0, 62 lb down and 41 lb up at 27-9-0, and 62 lb down and 41 lb up at 29-9-0, and 152 lb down and 45 lb up at 31-9-12 on top chord, and 172 lb down and 61 lb up at 3-2-4, 19 lb down at 3-9-0, 19 lb down at 5-9-0, 19 lb down at 7-9-0, 19 lb down at 9-9-0, 19 lb down at 11-9-0, 19 lb down at 13-9-0, 19 lb down at 15-9-0, 19 lb down at 17-9-0, 19 lb down at 19-9-0, 19 lb down at 21-9-0, 19 lb down at 23-9-0, 19 lb down at 25-9-0, 19 lb down at 27-9-0, and 19 lb down at 29-9-0, and 172 lb down and 61 lb up at 31-9-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) 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: 1-4=-60, 4-11=-60, 11-14=-60, 24-28=-20

Concentrated Loads (lb)

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

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

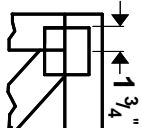
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



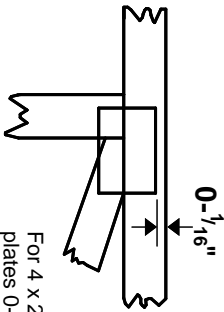
818 Soundside Road
Edenton, NC 27932

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- $\frac{1}{16}$ " 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

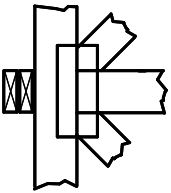
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



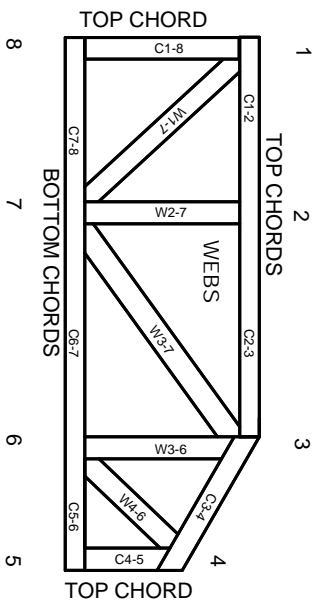
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TFP1: 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/TFP 1 section 6.3 These truss designs rely on lumber values established by others.

© 2012 MITteK® All Rights Reserved



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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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