ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

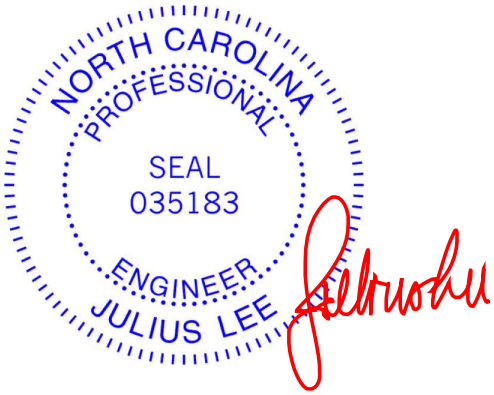
Re: 21110323-01
Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss

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: T26110782 thru T26110806

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

North Carolina COA: C-0844



November 30,2021

Lee, Julius

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

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss
21110323-01	F1	FLOOR	8	1	T26110782 Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:39 2021 Page 1
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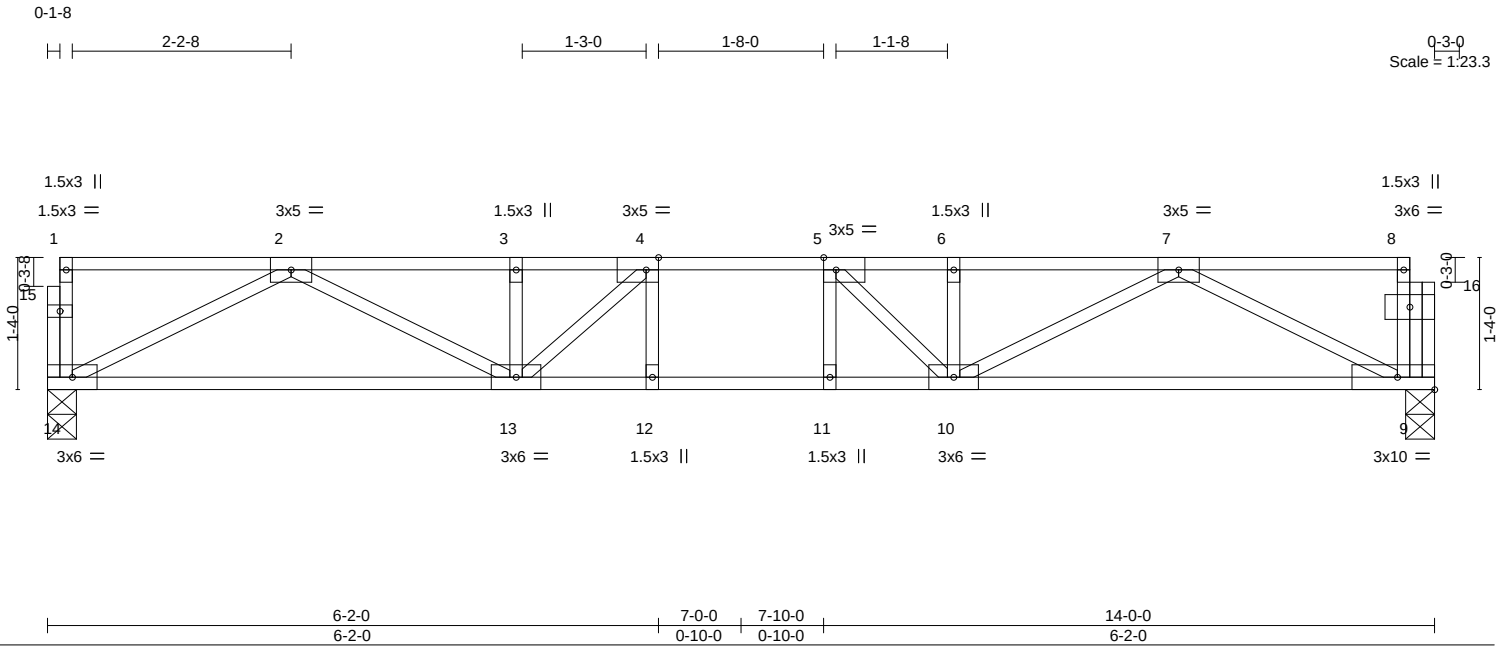


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.39	Vert(LL)	-0.10	12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.72	Vert(CT)	-0.14	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 74 lb	FT = 20%F, 11%E

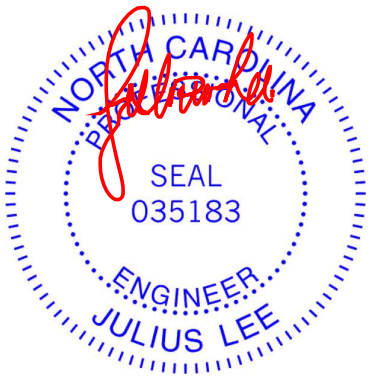
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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) 14=0-3-8, 9=0-3-8
Max Grav 14=747(LC 1), 9=740(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1933/0, 3-4=-1933/0, 4-5=-2104/0, 5-6=-1945/0, 6-7=-1945/0
BOT CHORD 13-14=0/1234, 12-13=0/2104, 11-12=0/2104, 10-11=0/2104, 9-10=0/1259
WEBS 2-14=-1385/0, 2-13=0/792, 4-13=-442/43, 7-9=-1400/0, 7-10=0/776, 5-10=-442/55

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) 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.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 30,2021

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Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss T26110783
21110323-01	F1A	FLOOR	4	1	Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:40 2021 Page 1
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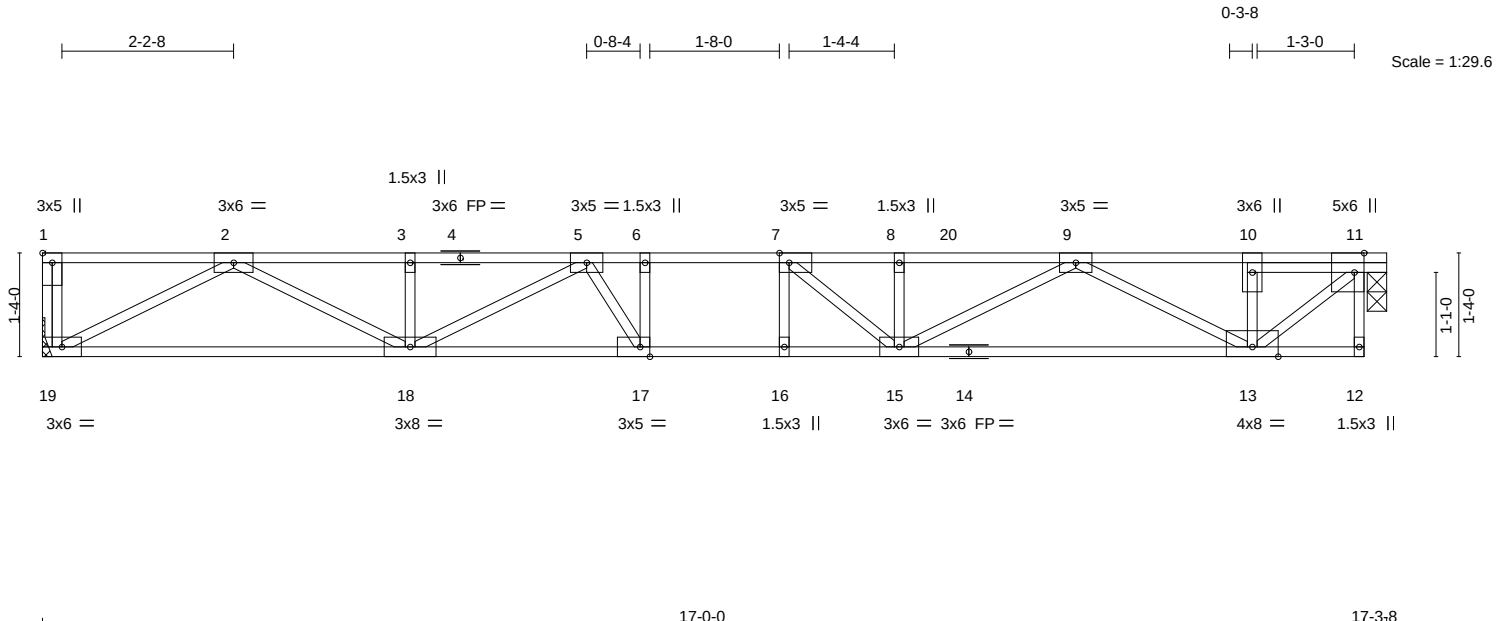


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [11:0-3-0,Edge], [17:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.66	Vert(LL)	-0.20	17	>992	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.29	16-17	>694	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.01	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 91 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.1(flat) *Except*
12-14: 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

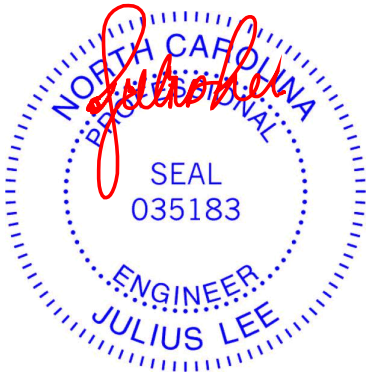
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 19=Mechanical, 11=0-3-0
Max Grav 19=941(LC 1), 11=1013(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2659/0, 3-5=-2659/0, 5-6=-3299/0, 6-7=-3299/0, 7-8=-3107/0, 8-9=-3107/0, 9-10=-1163/0, 10-11=-1159/0
BOT CHORD 18-19=0/1595, 17-18=0/3216, 16-17=0/3299, 15-16=0/3299, 13-15=0/2369
WEBS 10-13=-281/0, 11-13=0/1509, 6-17=-314/70, 2-19=-1796/0, 2-18=0/1205, 5-18=-634/0, 5-17=-144/486, 9-13=-1371/0, 9-15=0/836, 8-15=-257/22, 7-15=-533/126

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S)
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-20=-100, 11-20=-120
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-20=-100, 11-20=-120
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-7=-100, 7-20=-20, 11-20=-40
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00



November 30,2021

Continued on page 2

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LOAD CASE(S)

Uniform Loads (plf)
Vert: 12-19=-10, 1-6=-20, 6-20=-100, 11-20=-120

5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-7=-100, 7-20=-20, 11-20=-40

6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-6=-20, 6-20=-100, 11-20=-120

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss T26110784
21110323-01	F1B	FLOOR	1	1	Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:40 2021 Page 1
ID:SyOeoqmDWZPys6ZdU1fppwypZbX-mqYtKzoaRkp8_uLjCa8z8mN7KPNmKF6BJtRhXtyE4kv

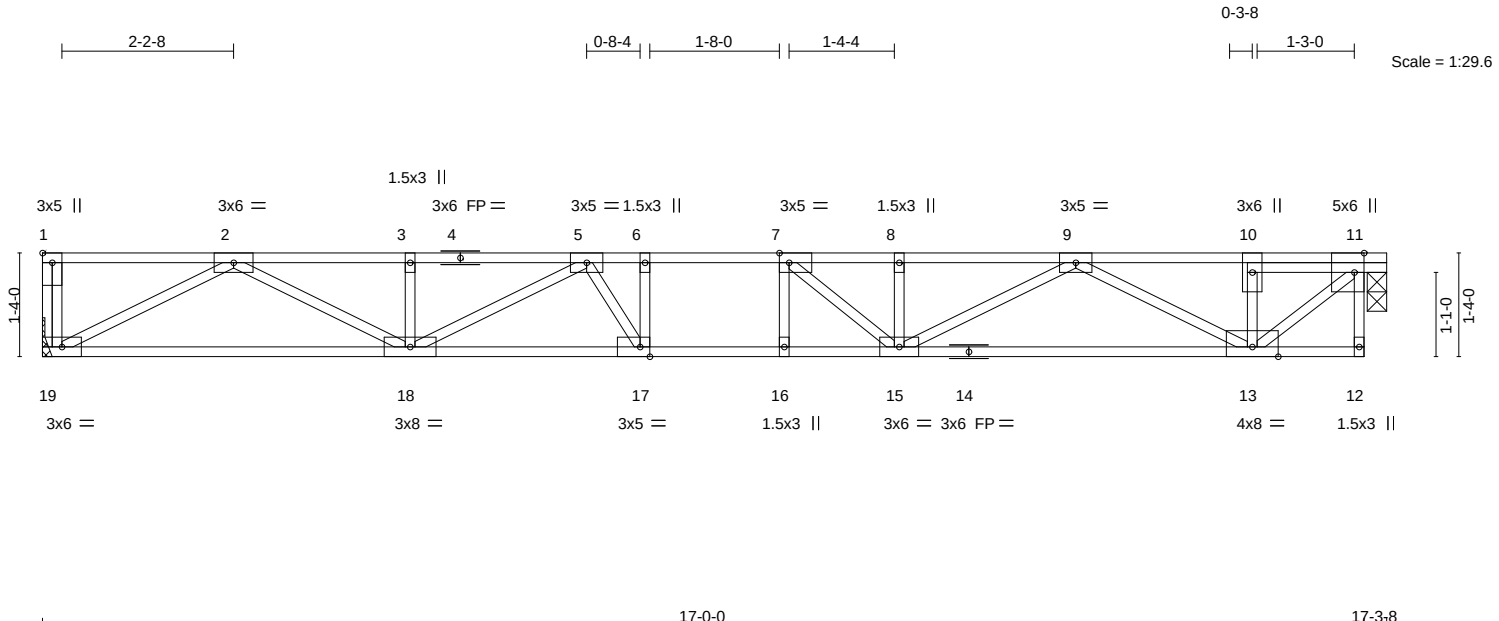


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [11:0-3-0,Edge], [17:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.56	Vert(LL)	-0.21	17	>942	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.30	16-17	>683	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.01	11	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 91 lb	FT = 20%F, 11%E

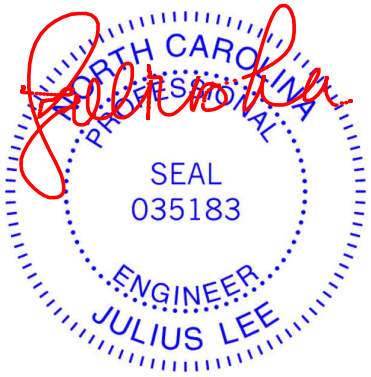
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (size) 19=Mechanical, 11=0-3-0
Max Grav 19=925(LC 1), 11=925(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2599/0, 3-5=-2599/0, 5-6=-3185/0, 6-7=-3185/0, 7-8=-2957/0, 8-9=-2957/0, 9-10=-1067/0, 10-11=-1063/0
BOT CHORD 18-19=0/1564, 17-18=0/3121, 16-17=0/3185, 15-16=0/3185, 13-15=0/2206
WEBS 11-13=0/1384, 6-17=-302/103, 2-19=-1761/0, 2-18=0/1172, 5-18=-592/0, 5-17=-186/455, 9-13=-1294/0, 9-15=0/850, 7-15=-580/79

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
6) CAUTION, Do not erect truss backwards.



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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss T26110785
21110323-01	F1BA	Floor	1	1	Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:41 2021 Page 1
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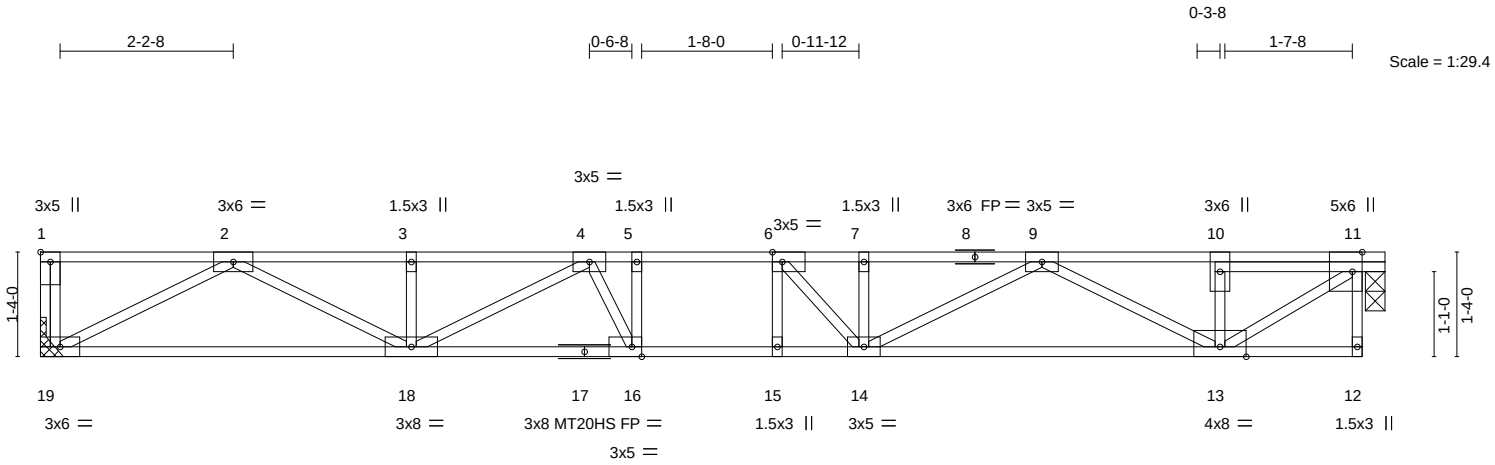


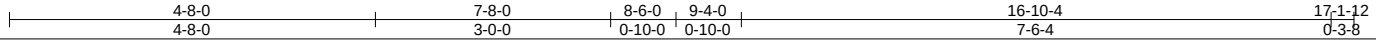


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [11:0-3-0,Edge], [16:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.53	Vert(LL)	-0.21	15-16	>967	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.29	15-16	>700	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.01	11	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 91 lb	FT = 20%F, 11%E

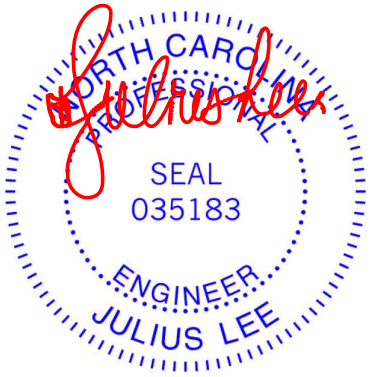
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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, Except: 2-2-0 oc bracing: 15-16.

REACTIONS. (size) 19=Mechanical, 11=0-3-0
Max Grav 19=917(LC 1), 11=917(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2568/0, 3-4=-2568/0, 4-5=-3129/0, 5-6=-3129/0, 6-7=-2993/0, 7-9=-2993/0, 9-10=-1298/0, 10-11=-1295/0
BOT CHORD 18-19=0/1548, 16-18=0/3077, 15-16=0/3129, 14-15=0/3129, 13-14=0/2336
WEBS 10-13=-255/0, 11-13=0/1548, 5-16=-335/129, 2-19=-1744/0, 2-18=0/1155, 4-18=-594/0, 4-16=-202/468, 9-13=-1179/0, 9-14=0/745, 6-14=-519/152

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) 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.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
7) CAUTION, Do not erect truss backwards.



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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss
21110323-01	F1C	FLOOR	2	1	T26110786 Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:42 2021 Page 1
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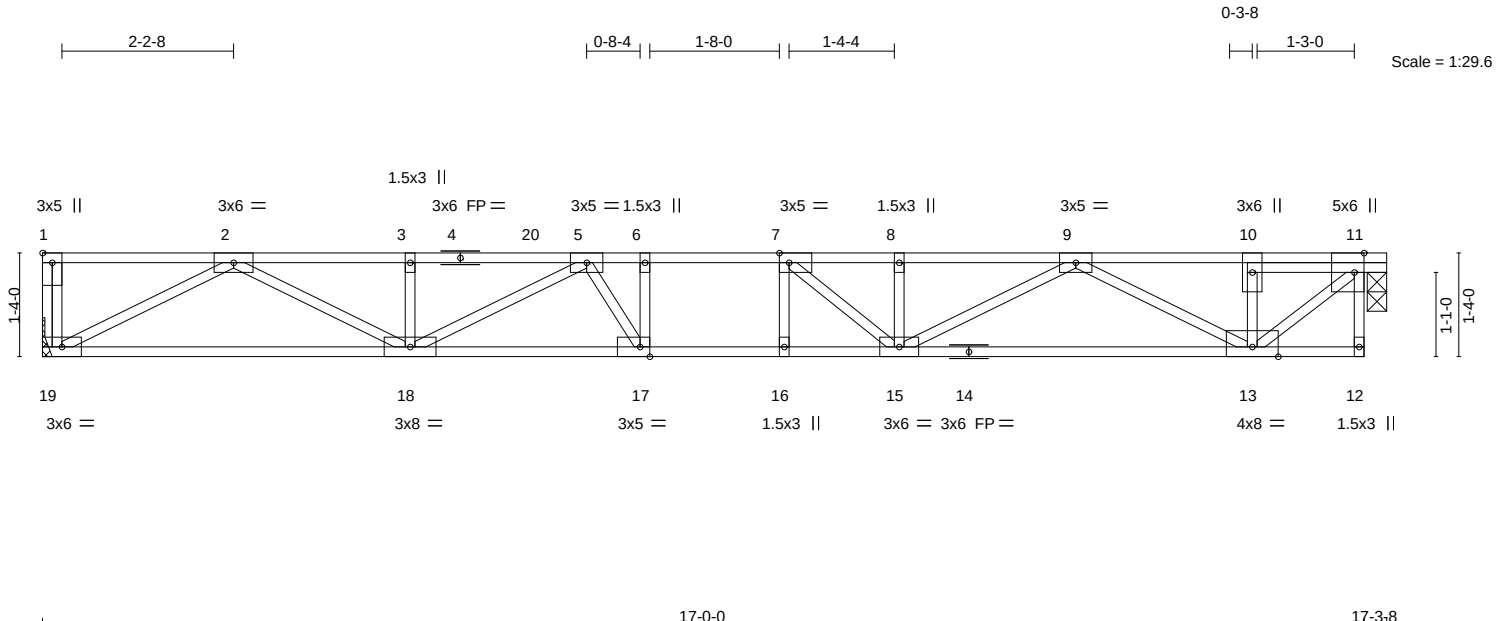


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [11:0-3-0,Edge], [17:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.81	Vert(LL)	-0.20	17	>992	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.30	17	>680	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.67	Horz(CT)	0.01	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 91 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.1(flat) *Except*
12-14: 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

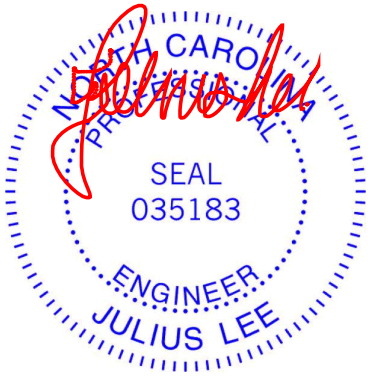
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 19=Mechanical, 11=0-3-0
Max Grav 19=1001(LC 1), 11=942(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2760/0, 3-5=-2760/0, 5-6=-3303/0, 6-7=-3303/0, 7-8=-3038/0, 8-9=-3038/0, 9-10=-1088/0, 10-11=-1084/0
BOT CHORD 18-19=0/1684, 17-18=0/3263, 16-17=0/3303, 15-16=0/3303, 13-15=0/2258
WEBS 11-13=0/1411, 6-17=-262/122, 2-19=-1896/0, 2-18=0/1219, 3-18=-255/0, 5-18=-573/0, 5-17=-226/403, 9-13=-1330/0, 9-15=0/883, 7-15=-626/33

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-20=-115, 11-20=-100
2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-20=-115, 11-20=-100
3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-20=-115, 7-20=-100, 7-11=-20
4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00



November 30,2021

Continued on page 2

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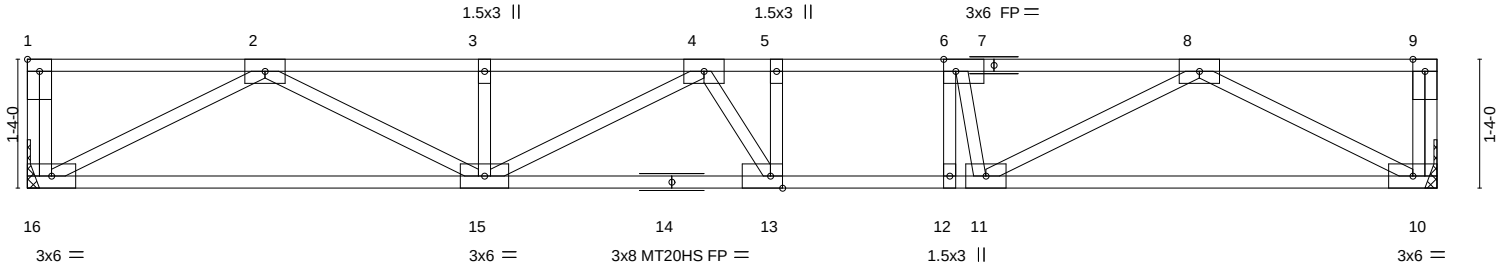
LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 12-19=-10, 1-20=-35, 6-20=-20, 6-11=-100
5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-20=-115, 7-20=-100, 7-11=-20
6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-20=-35, 6-20=-20, 6-11=-100

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss T26110787
21110323-01	F1D	FLOOR	1	1	Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:43 2021 Page 1
ID:SyOeoqmDWZPys6ZdU1fppwypZbX-BPE?y?qTkfBjrL3ItihgmO?bEcPTXgad?rgL8CyE4ks

2-2-8 | 0-8-4 | 1-8-0 | 0-3-12

Scale: 1/2"=1'



7-9-12 | 8-7-12 | 9-5-12 | 9-11-0 | 14-7-0
7-9-12 | 0-10-0 | 0-10-0 | 0-5-4 | 4-8-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [13:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.71	Vert(LL)	-0.19	13-15	>929	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.25	13-15	>692	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.04	10	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 76 lb	FT = 20%F, 11%E

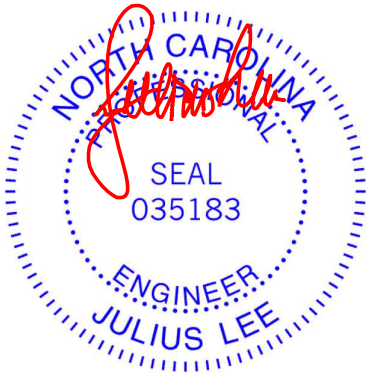
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.1(flat) *Except*
14-16: 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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, Except: 2-2-0 oc bracing: 12-13.

REACTIONS. (size) 10=Mechanical, 16=Mechanical
Max Grav 10=788(LC 1), 16=788(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2086/0, 3-4=-2086/0, 4-5=-2235/0, 5-6=-2235/0, 6-8=-2071/0
BOT CHORD 15-16=0/1306, 13-15=0/2328, 12-13=0/2235, 11-12=0/2222, 10-11=0/1298
WEBS 6-12=-100/443, 2-16=-1470/0, 2-15=0/884, 4-15=-338/0, 4-13=-324/191, 8-10=-1462/0, 8-11=0/882, 6-11=-721/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x5 MT20 unless otherwise indicated.
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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 30,2021

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

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss T26110788
21110323-01	F1E	FLOOR	2	1	Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:44 2021 Page 1
ID:SyOeoqmDWZPys6ZdU1fppwypZbX-fboNALr5VzJaTVeVRPCvIcXoi0n3G7ZmEVPugeyE4kr

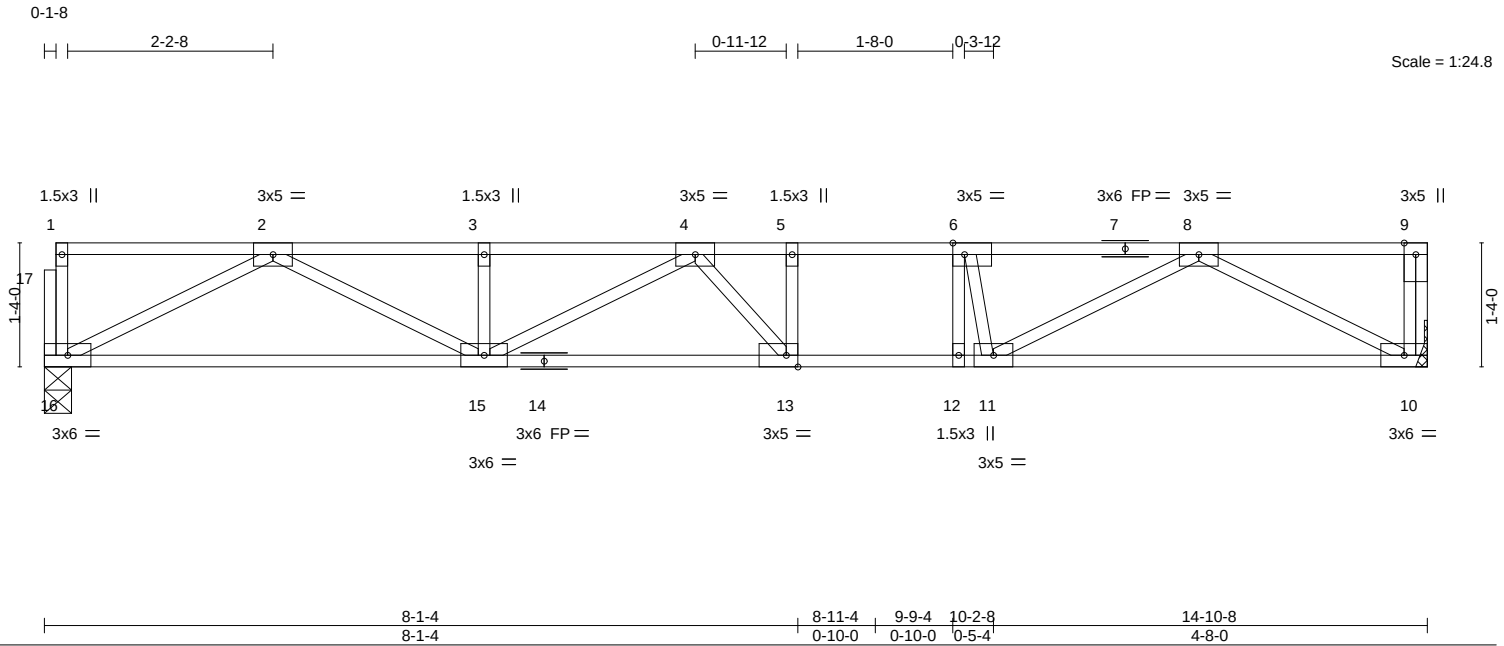


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [13:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.60	Vert(LL)	-0.19	13-15	>936	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.79	Vert(CT)	-0.25	13-15	>691	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.03	10	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 77 lb	FT = 20%F, 11%E

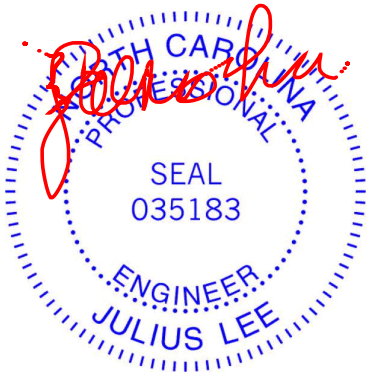
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat) *Except*
14-16: 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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) 10=Mechanical, 16=0-3-8
Max Grav 10=804(LC 1), 16=798(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2147/0, 3-4=-2147/0, 4-5=-2319/0, 5-6=-2319/0, 6-8=-2130/0
BOT CHORD 15-16=0/1335, 13-15=0/2417, 12-13=0/2319, 11-12=0/2301, 10-11=0/1329
WEBS 6-12=-89/538, 2-16=-1498/0, 2-15=0/920, 4-15=-339/0, 4-13=-287/190, 8-10=-1497/0, 8-11=0/914, 6-11=-810/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Attach ribbon block to truss with 3-10d nails applied to flat face.
3) Refer to girder(s) for truss to truss connections.
4) 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.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.



November 30,2021

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

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss
21110323-01	F1F	FLOOR	6	1	T26110789 Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:44 2021 Page 1
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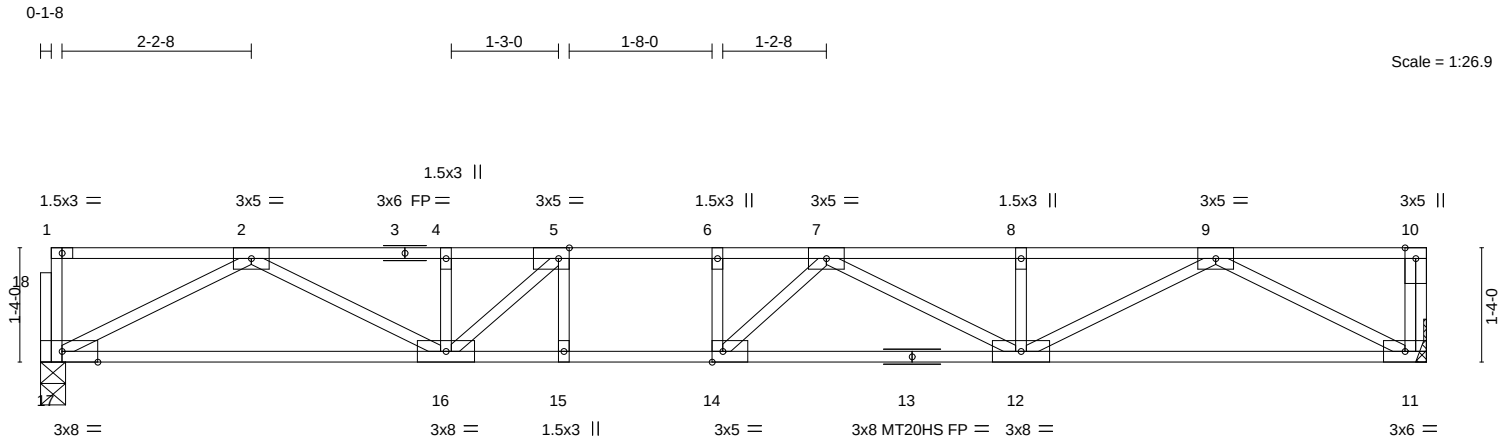


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [14:0-1-8,Edge], [17:0-5-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.79	Vert(LL)	-0.22	12-14	>871	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.30	12-14	>629	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 84 lb	FT = 20%F, 11%E

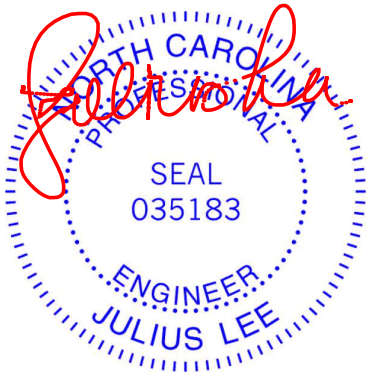
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.1(flat) *Except*
11-13: 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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) 17=0-3-8, 11=Mechanical
Max Grav 17=869(LC 1), 11=875(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2382/0, 4-5=-2382/0, 5-6=-2807/0, 6-7=-2807/0, 7-8=-2416/0, 8-9=-2416/0
BOT CHORD 16-17=0/1470, 15-16=0/2807, 14-15=0/2807, 12-14=0/2833, 11-12=0/1473
WEBS 2-17=-1651/0, 2-16=0/1033, 5-16=-751/0, 9-11=-1659/0, 9-12=0/1068, 7-12=-472/0, 7-14=-242/303

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) Refer to girder(s) for truss to truss connections.
5) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
8) CAUTION, Do not erect truss backwards.



November 30,2021

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

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss T26110790
21110323-01	F1FA	FLOOR	2	1	Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:45 2021 Page 1
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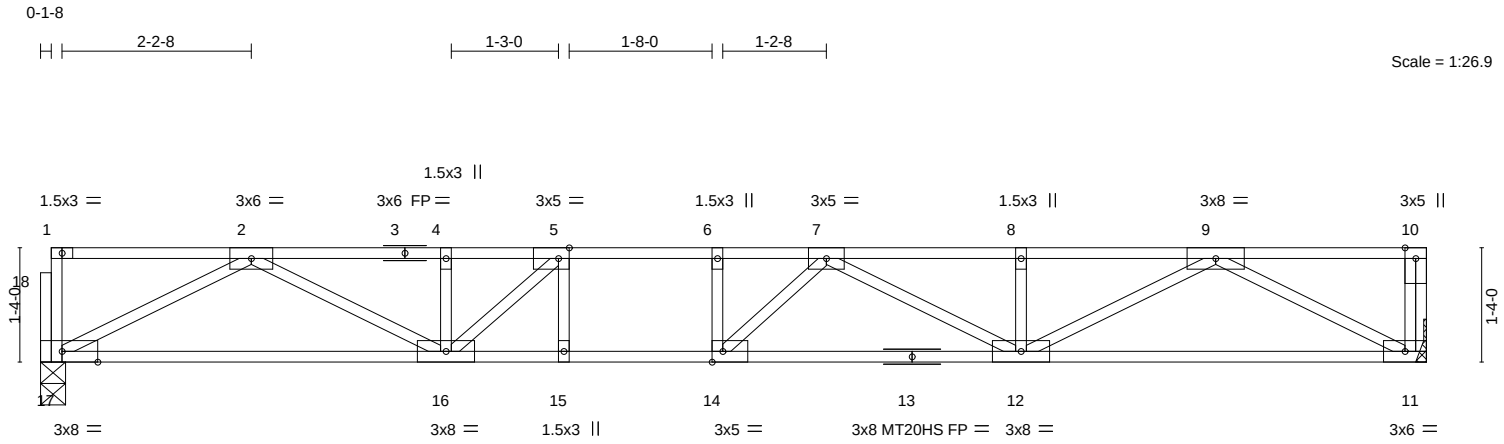


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [14:0-1-8,Edge], [17:0-5-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.94	Vert(LL)	-0.22	12-14	>881	480	MT20	244/190
TCDL	22.0	Lumber DOL	1.00	BC	0.97	Vert(CT)	-0.36	12-14	>525	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.06	11	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 84 lb	FT = 20%F, 11%E

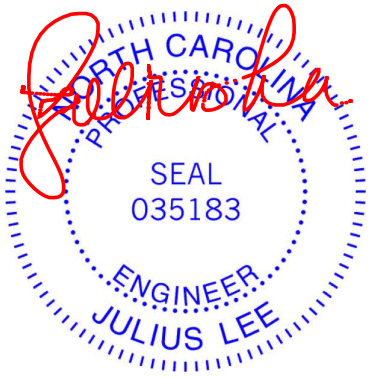
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (size) 17=0-3-8, 11=Mechanical
Max Grav 17=1059(LC 1), 11=1066(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2899/0, 4-5=-2899/0, 5-6=-3420/0, 6-7=-3420/0, 7-8=-2939/0, 8-9=-2939/0
BOT CHORD 16-17=0/1795, 15-16=0/3420, 14-15=0/3420, 12-14=0/3452, 11-12=0/1799
WEBS 2-17=-2015/0, 2-16=0/1250, 5-16=-878/0, 9-11=-2026/0, 9-12=0/1292, 8-12=-268/0, 7-12=-581/0, 7-14=-252/294

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) Refer to girder(s) for truss to truss connections.
5) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
8) CAUTION, Do not erect truss backwards.



November 30,2021

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

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss T26110791
21110323-01	F1G	FLOOR	6	1	Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:46 2021 Page 1
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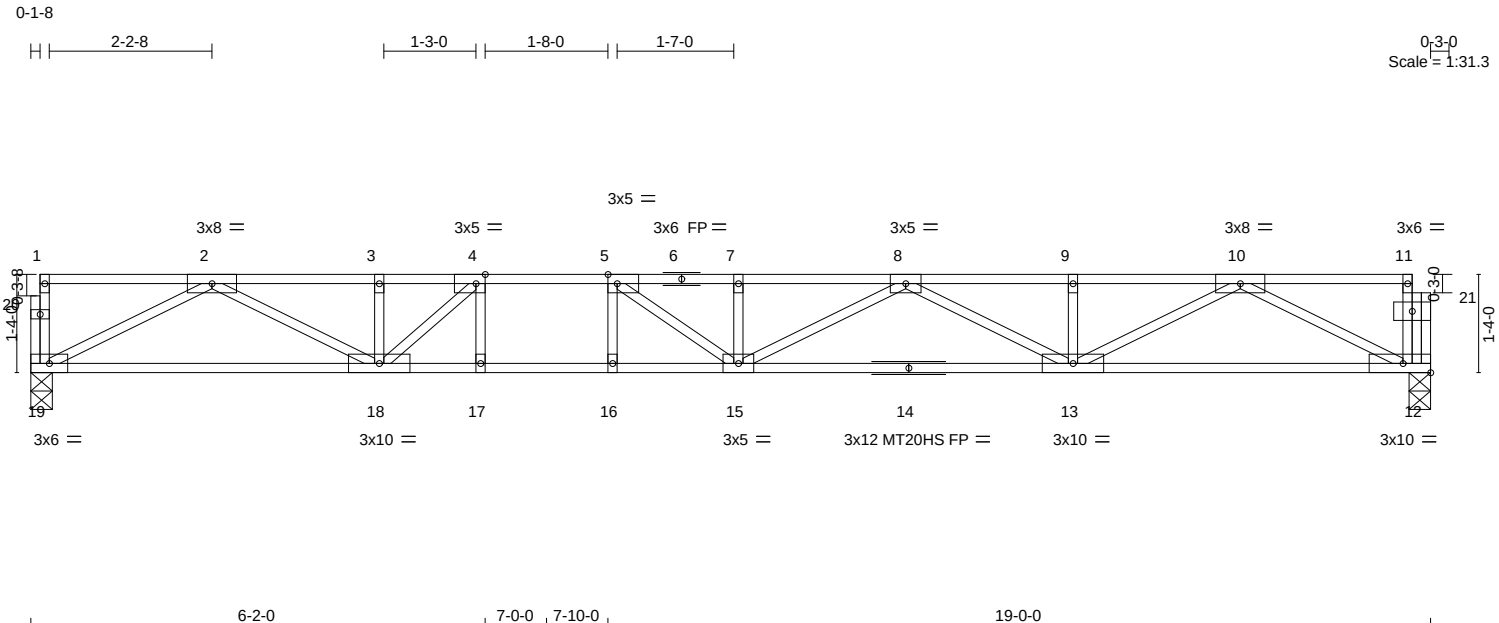


Plate Offsets (X,Y)-- [4:0-1-8,Edge], [5:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.82	Vert(LL)	-0.35	15-16	>635	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.49	15-16	>462	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.06	12	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 99 lb	FT = 20%F, 11%E

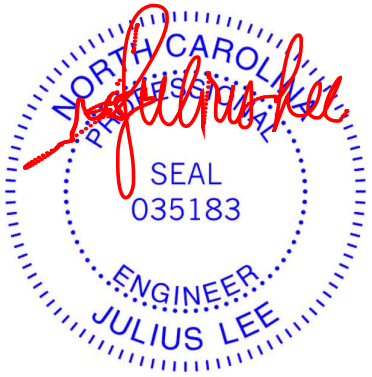
LUMBER-
TOP CHORD 2x4 SP No.1(flat) *Except* 6-11: 2x4 SP No.2(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat) *Except* 12-14: 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 19=0-3-8, 12=0-3-8
Max Grav 19=1022(LC 1), 12=1015(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2943/0, 3-4=-2943/0, 4-5=-3673/0, 5-7=-4024/0, 7-8=-4024/0, 8-9=-3013/0, 9-10=-3013/0
BOT CHORD 18-19=0/1762, 17-18=0/3673, 16-17=0/3673, 15-16=0/3673, 13-15=0/3729, 12-13=0/1799
WEBS 4-17=0/337, 5-16=-290/1, 2-19=-1979/0, 2-18=0/1338, 4-18=-1116/0, 10-12=-2005/0, 10-13=0/1375, 8-13=-810/0, 8-15=0/367, 7-15=-307/0, 5-15=-177/642

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 1.5x3 MT20 unless otherwise indicated.
4) 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.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 30,2021

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

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss T26110792
21110323-01	F1GR	FLOOR	1	1	Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:47 2021 Page 1
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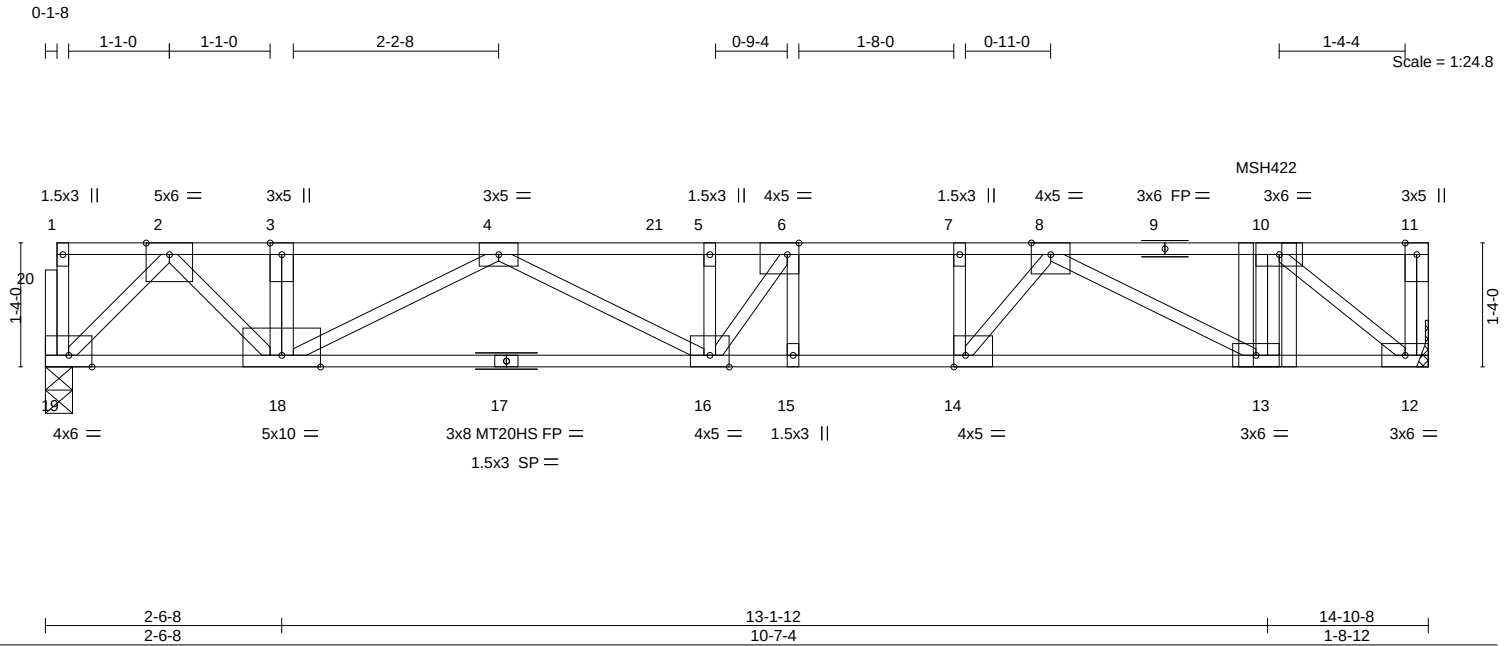


2-6-8 (2-6-8) | 13-1-12 (10-7-4) | 14-10-8 (1-8-12)

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [14:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.95	Vert(LL)	-0.19	15-16	>921	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.99	Vert(CT)	-0.27	15-16	>640	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.79	Horz(CT)	0.05	12	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 84 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat) *Except* 9-11: 2x4 SP No.2(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat) *Except* 17-19: 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

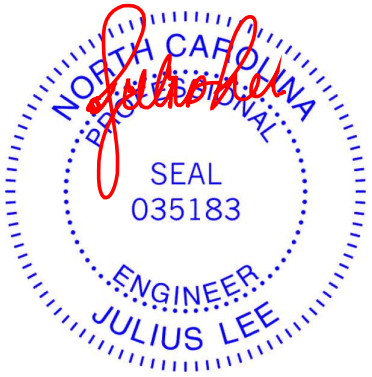
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 19=0-3-8, 12=Mechanical
Max Grav 19=1358(LC 1), 12=995(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2483/0, 3-4=-2466/0, 4-5=-3261/0, 5-6=-3261/0, 6-7=-2906/0, 7-8=-2906/0, 8-10=-1221/0
BOT CHORD 18-19=0/1291, 16-18=0/3125, 15-16=0/2906, 14-15=0/2906, 13-14=0/2416, 12-13=0/1221
WEBS 3-18=-787/0, 6-15=-360/0, 7-14=-468/0, 10-13=0/593, 4-18=-745/0, 4-16=0/308, 5-16=-376/0, 6-16=-53/754, 8-13=-1345/0, 8-14=0/891, 10-12=-1529/0, 2-19=-1822/0, 2-18=0/1668

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Attach ribbon block to truss with 3-10d nails applied to flat face.
4) The Fabrication Tolerance at joint 17 = 11%
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Load case(s) 1, 2, 3, 4, 5, 6 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
9) CAUTION, Do not erect truss backwards.
10) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 13-1-12 from the left end to connect truss(es) to front face of top chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
11) Fill all nail holes where hanger is in contact with lumber.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-21=-115, 11-21=-100



November 30,2021

Continued on page 2

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818 Soundside Road
Edenton, NC 27932

LOAD CASE(S) Standard

Concentrated Loads (lb)
Vert: 3=-570 10=-84(F)

2) Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-21=-115, 11-21=-100
Concentrated Loads (lb)
Vert: 3=-570 10=-84(F)

3) 1st chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-21=-115, 7-21=-100, 7-11=-20
Concentrated Loads (lb)
Vert: 3=-570 10=-164(F)

4) 2nd chase Dead + Floor Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-21=-35, 6-21=-20, 6-11=-100
Concentrated Loads (lb)
Vert: 3=-155 10=-84(F)

5) 3rd chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-21=-115, 7-21=-100, 7-11=-20
Concentrated Loads (lb)
Vert: 3=-570 10=-164(F)

6) 4th chase Dead: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 12-19=-10, 1-21=-35, 6-21=-20, 6-11=-100
Concentrated Loads (lb)
Vert: 3=-155 10=-84(F)

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss T26110793
21110323-01	F1GRC	FLOOR	1	1	Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:48 2021 Page 1
ID:SyOeoqmDWZPys6ZdU1fppwypZbX-XM1u0iucZCq?x6yGgFHrTSiQMd6gCt6M96N6pPyE4kn

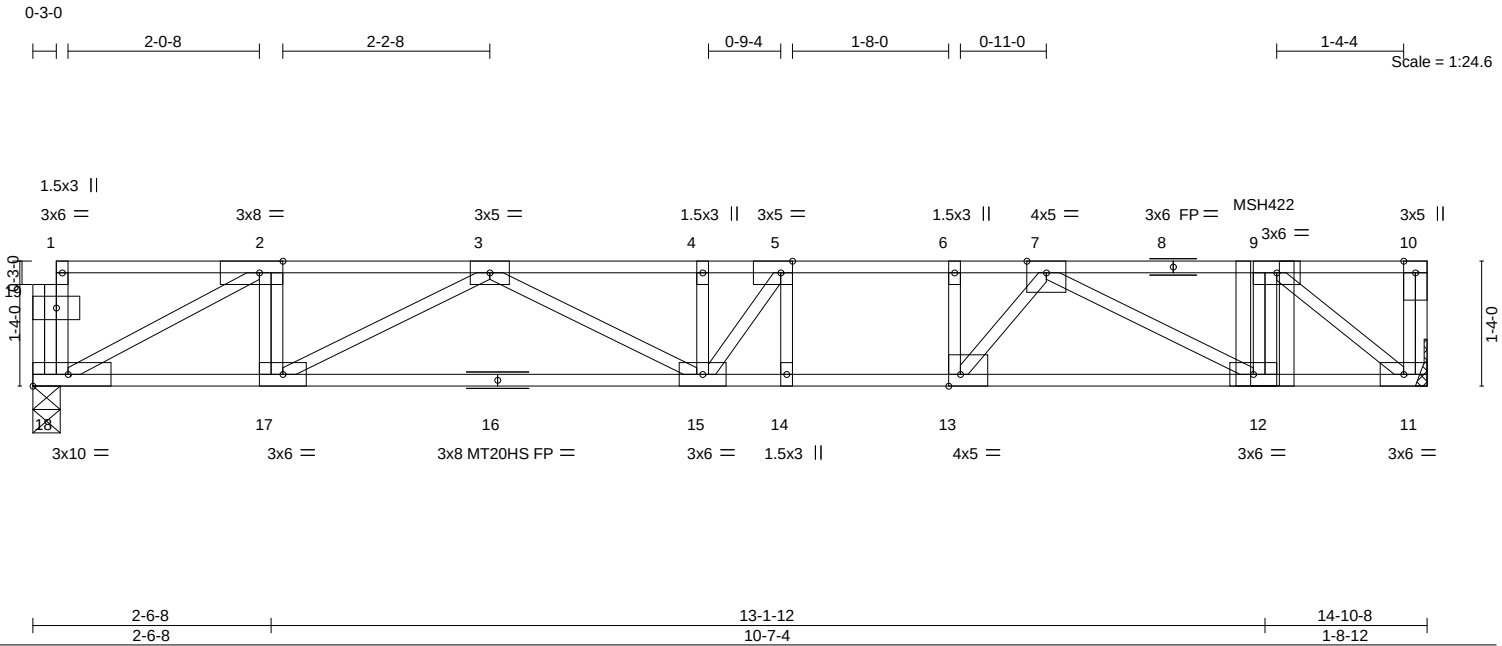


Plate Offsets (X,Y)-- [2:0-3-0,Edge], [5:0-1-8,Edge], [13:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.87	Vert(LL)	-0.19	14-15	>906	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.94	Vert(CT)	-0.26	14-15	>664	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.66	Horz(CT)	0.05	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 84 lb	FT = 20%F, 11%E

LUMBER-
TOP CHORD 2x4 SP No.1(flat) *Except* 8-10: 2x4 SP No.2(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat) *Except* 16-18: 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

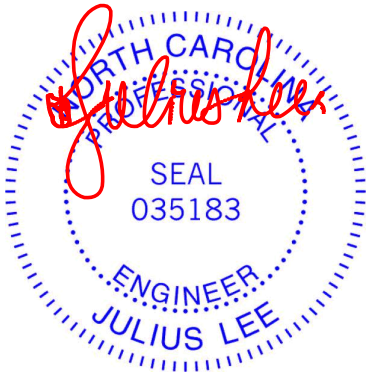
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 11=Mechanical, 18=0-3-8
Max Grav 11=968(LC 1), 18=1276(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2294/0, 3-4=-3088/0, 4-5=-3088/0, 5-6=-2777/0, 6-7=-2777/0, 7-9=-1187/0
BOT CHORD 17-18=0/2294, 15-17=0/2912, 14-15=0/2777, 13-14=0/2777, 12-13=0/2325, 11-12=0/1187
WEBS 2-17=0/352, 5-14=-333/0, 6-13=-438/0, 9-12=0/569, 3-17=-696/0, 3-15=0/340, 4-15=-351/0, 5-15=-121/680, 7-12=-1281/0, 7-13=0/832, 9-11=-1486/0, 2-18=-2568/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) 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.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.
7) Use MiTek MSH422 (With 10d nails into Girder & 6-10d nails into Truss) or equivalent at 13-1-12 from the left end to connect truss(es) to back face of top chord, skewed 0.0 deg.to the right, sloping 0.0 deg. down.
8) Fill all nail holes where hanger is in contact with lumber.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 11-18=-10, 1-10=-100
Concentrated Loads (lb)
Vert: 2=-570 9=-84(B)



November 30,2021

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

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss T26110794
21110323-01	F1GRF	Floor	1	1	Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:48 2021 Page 1
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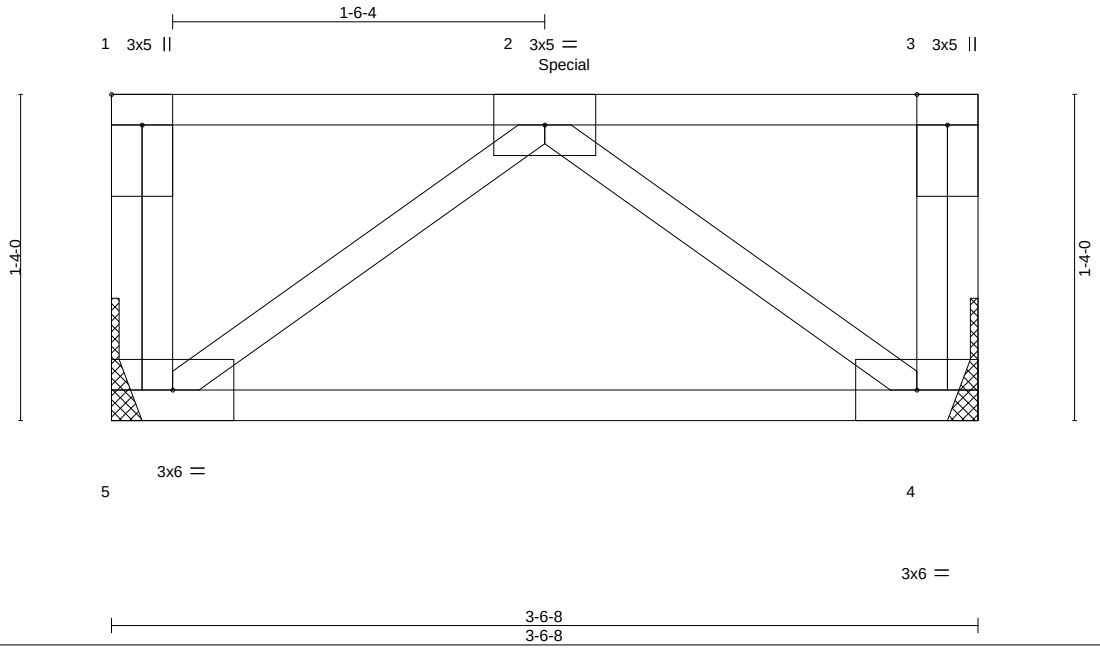


Plate Offsets (X,Y)-- [1:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.19	Vert(LL)	0.00	5	****	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.15	Vert(CT)	-0.02	4-5	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-P							Weight: 23 lb	FT = 20%F, 11%E

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

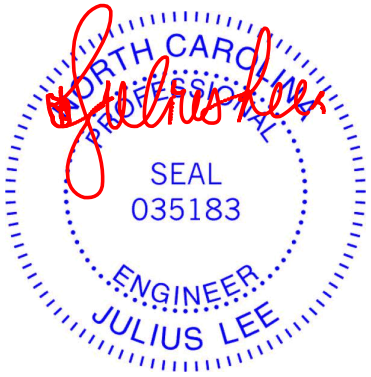
REACTIONS. (size) 5=Mechanical, 4=Mechanical
Max Grav 5=184(LC 1), 4=184(LC 1)

"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) Refer to girder(s) for truss to truss connections.
2) 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.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5 lb down at 1-10-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
5) 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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 4-5=-10, 1-3=-100
Concentrated Loads (lb)
Vert: 2=-5(B)



November 30,2021

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss T26110795
21110323-01	F1H	FLOOR	6	1	Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:49 2021 Page 1
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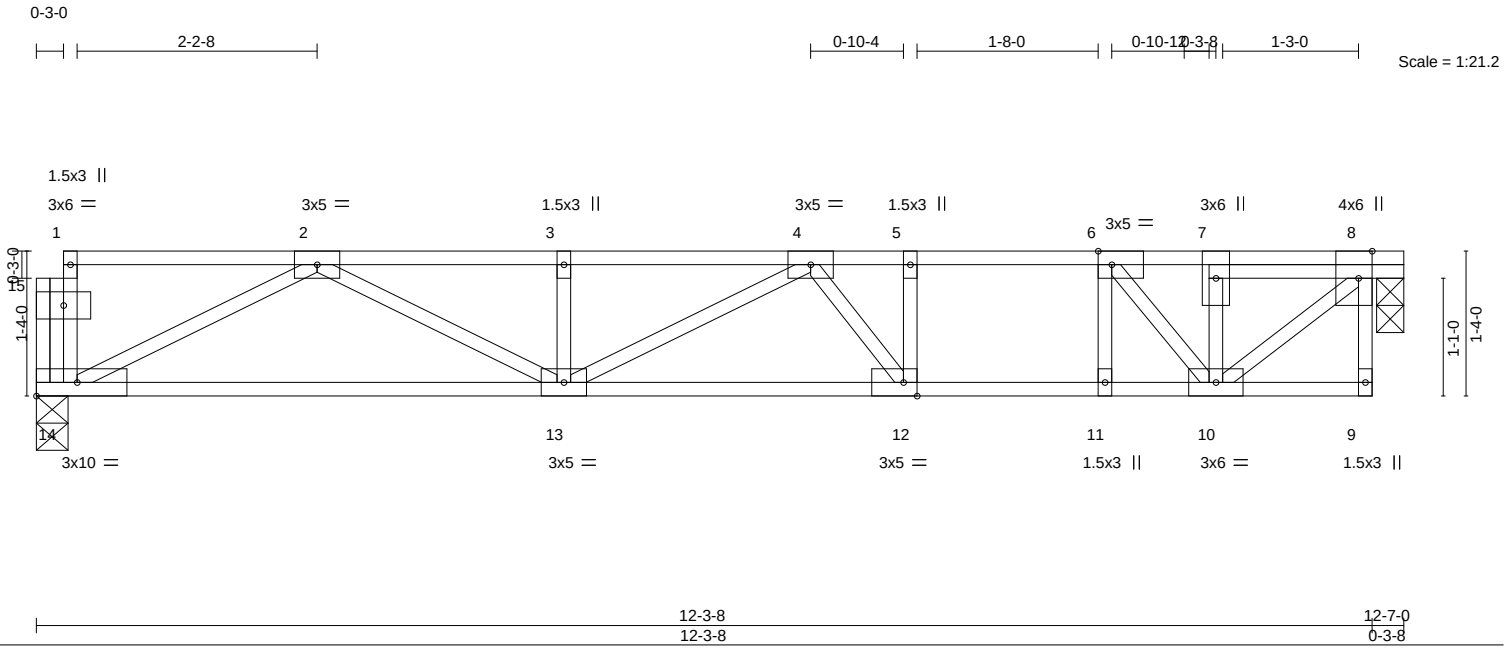


Plate Offsets (X,Y)-- [6:0-1-8,Edge], [8:0-3-0,Edge], [12:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.86	Vert(LL)	-0.17	12-13	>849	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.23	12-13	>623	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-S							Weight: 69 lb	FT = 20%F, 11%E

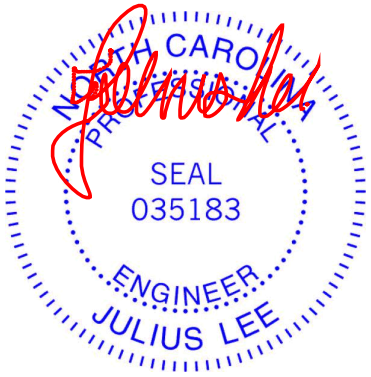
LUMBER-
TOP CHORD 2x4 SP No.1(flat) *Except* 7-8: 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.1(flat)
WEBS 2x4 SP No.3(flat)

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) 8=0-3-0, 14=0-3-8
Max Grav 8=662(LC 1), 14=650(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1619/0, 3-4=-1619/0, 4-5=-1306/0, 5-6=-1306/0, 6-7=-625/0, 7-8=-635/0
BOT CHORD 13-14=0/1085, 12-13=0/1603, 11-12=0/1306, 10-11=0/1306
WEBS 8-10=0/827, 5-12=0/284, 6-11=0/301, 2-14=-1205/0, 2-13=0/605, 4-12=-534/0, 6-10=-1064/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) 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.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) CAUTION, Do not erect truss backwards.



November 30,2021

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Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss
21110323-01	F1J	FLOOR	1	1	T26110796 Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:50 2021 Page 1
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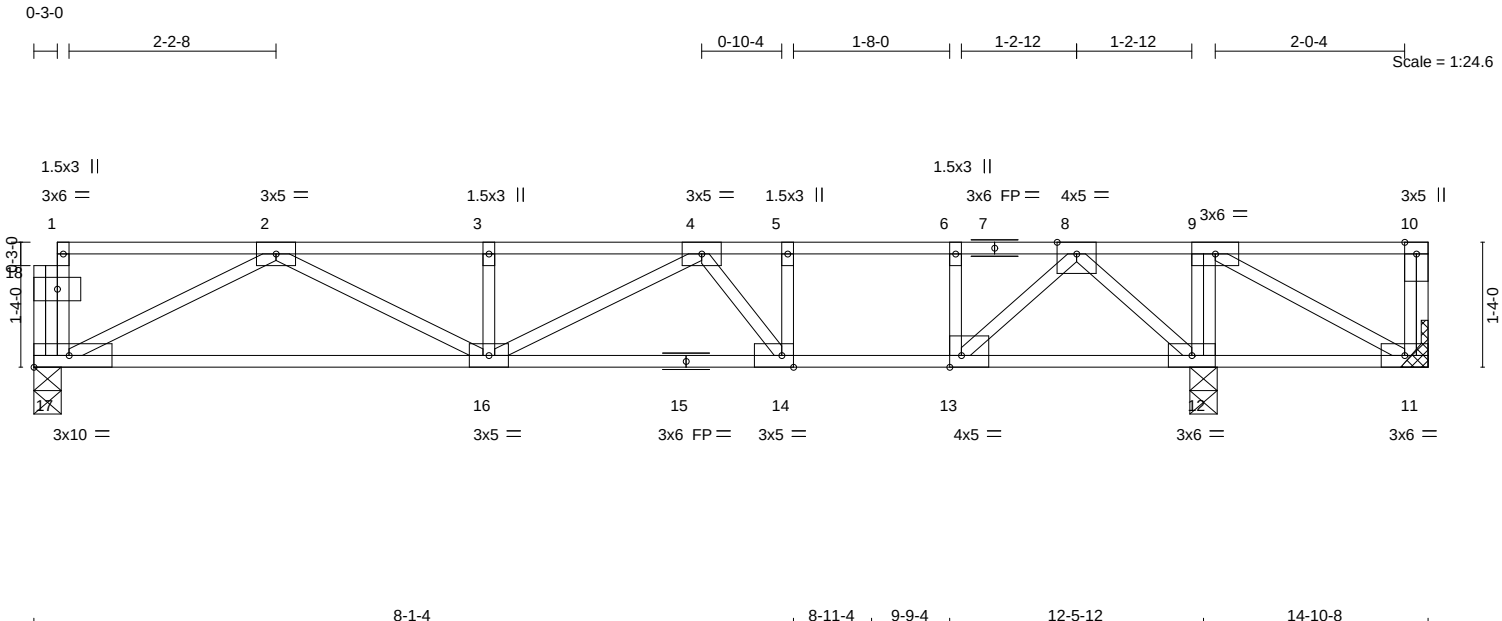


	8-1-4	8-11-4	9-9-4	12-5-12	14-10-8
	8-1-4	0-10-0	0-10-0	2-8-8	2-4-12

Plate Offsets (X,Y)-- [13:0-1-8,Edge], [14:0-1-8,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.87	Vert(LL)	-0.19	14-16	>772	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	1.00	Vert(CT)	-0.26	14-16	>566	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.02	12	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 81 lb	FT = 20%F, 11%E

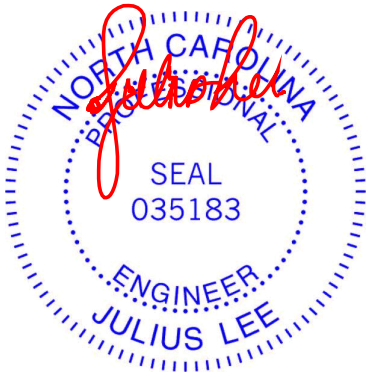
LUMBER-
TOP CHORD 2x4 SP No.2(flat) *Except* 1-7: 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 1-4-12 oc bracing.

REACTIONS. (size) 11=Mechanical, 12=0-3-8, 17=0-3-8
Max Grav 11=168(LC 7), 12=838(LC 1), 17=659(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1654/0, 3-4=-1654/0, 4-5=-1352/0, 5-6=-1352/0, 6-8=-1352/0
BOT CHORD 16-17=0/1103, 14-16=0/1660, 13-14=0/1352, 12-13=0/633
WEBS 5-14=0/315, 6-13=-526/0, 9-12=-335/0, 2-17=-1224/0, 2-16=0/624, 4-14=-534/0, 8-12=-900/0, 8-13=0/998

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.



November 30,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss
21110323-01	F1K	FLOOR	1	1	T26110797 Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:51 2021 Page 1
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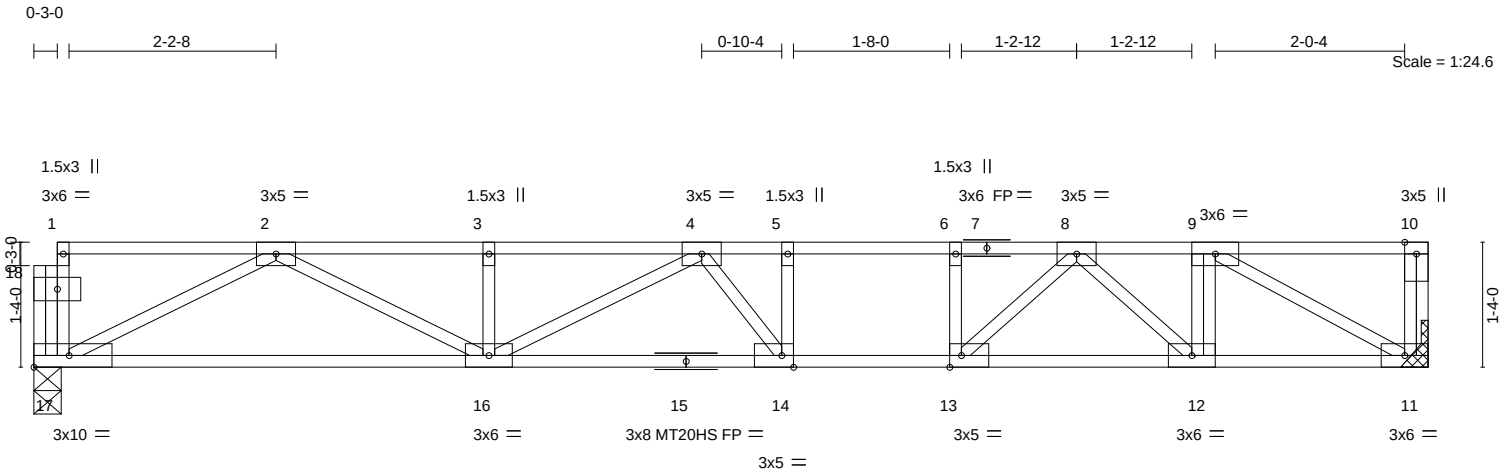


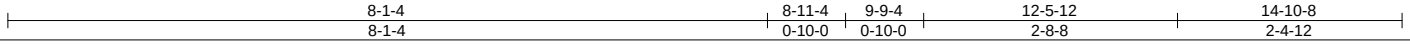


Plate Offsets (X,Y)-- [13:0-1-8,Edge], [14:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.88	Vert(LL)	-0.20	14-16	>890	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.89	Vert(CT)	-0.27	14-16	>659	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.04	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 81 lb	FT = 20%F, 11%E

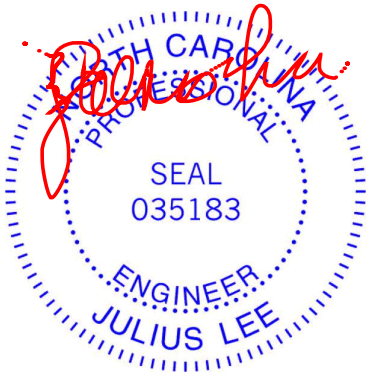
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.1(flat) *Except*
15-17: 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (size) 11=Mechanical, 17=0-3-8
Max Grav 11=801(LC 1), 17=788(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2149/0, 3-4=-2149/0, 4-5=-2289/0, 5-6=-2289/0, 6-8=-2289/0, 8-9=-1297/0
BOT CHORD 16-17=0/1355, 14-16=0/2405, 13-14=0/2289, 12-13=0/1799, 11-12=0/1297
WEBS 6-13=-374/0, 9-12=0/439, 2-17=-1507/0, 2-16=0/899, 4-16=-331/0, 4-14=-347/190, 8-12=-672/0, 8-13=0/765, 9-11=-1469/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) 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.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.



November 30,2021

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818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss
21110323-01	F1L	Floor	10	1	T26110798 Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:52 2021 Page 1
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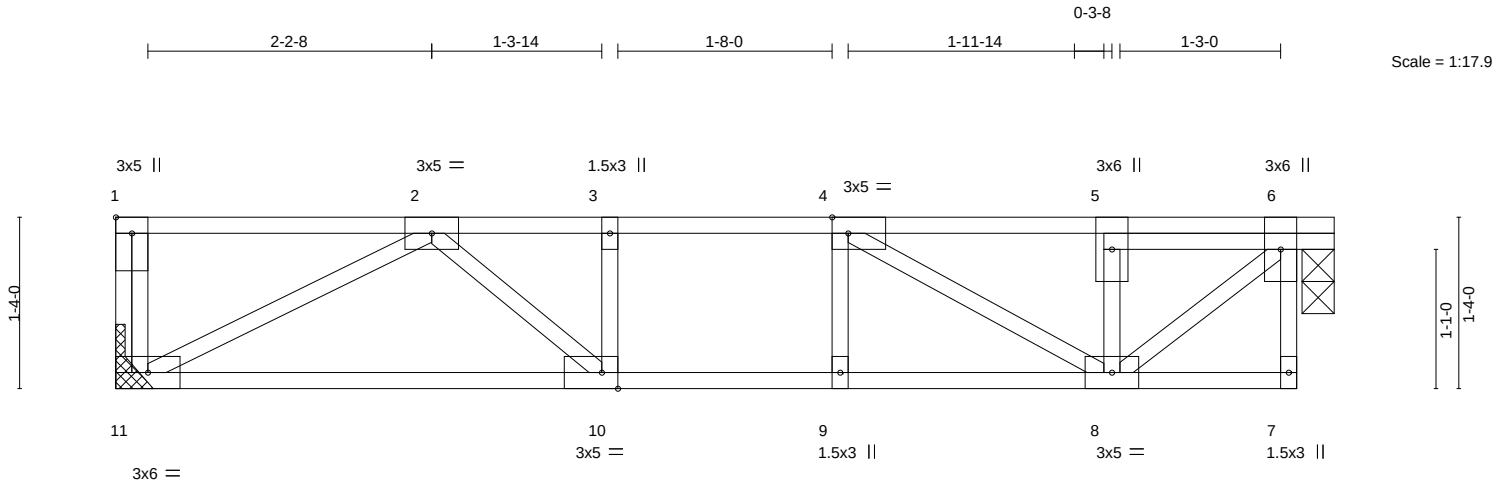


9-2-4 9-5-12
9-2-4 0-3-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	-0.05	10-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.37	Vert(CT)	-0.07	10-11	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 52 lb	FT = 20%F, 11%E

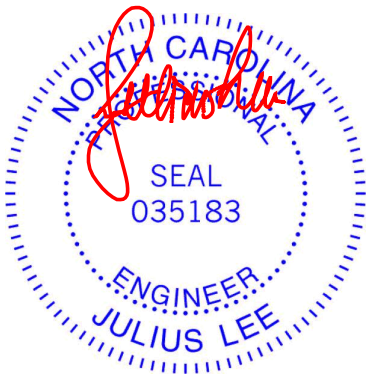
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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) 11=Mechanical, 6=0-3-0
Max Grav 11=495(LC 1), 6=495(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-906/0, 3-4=-906/0, 4-5=-537/0, 5-6=-534/0
BOT CHORD 10-11=0/737, 9-10=0/906, 8-9=0/906
WEBS 6-8=0/695, 2-11=-830/0, 2-10=0/330, 4-8=-477/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
6) CAUTION, Do not erect truss backwards.

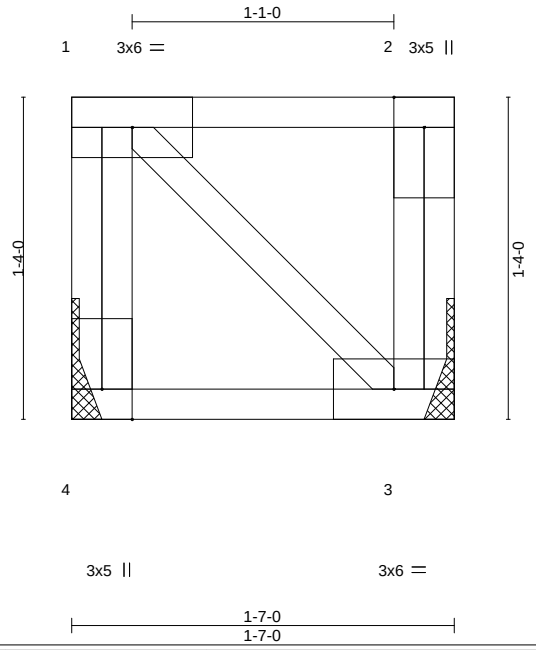


November 30,2021

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

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss
21110323-01	F1N	FLOOR	1	1	T26110799 Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:52 2021 Page 1
ID:SyOeoqmDWZPys6ZdU1fppwypZbX-Q7HPr4x6dQKRQkG1v5MndItGzFi28rNy4kLJyByE4kj



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.13	Vert(LL)	0.00	4	****	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	-0.00	4	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-P							Weight: 13 lb	FT = 20%F, 11%E

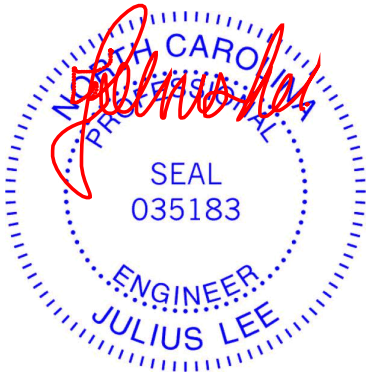
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-7-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 3=Mechanical
Max Grav 4=73(LC 1), 3=73(LC 1)

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

NOTES-
1) Refer to girder(s) for truss to truss connections.
2) 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.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

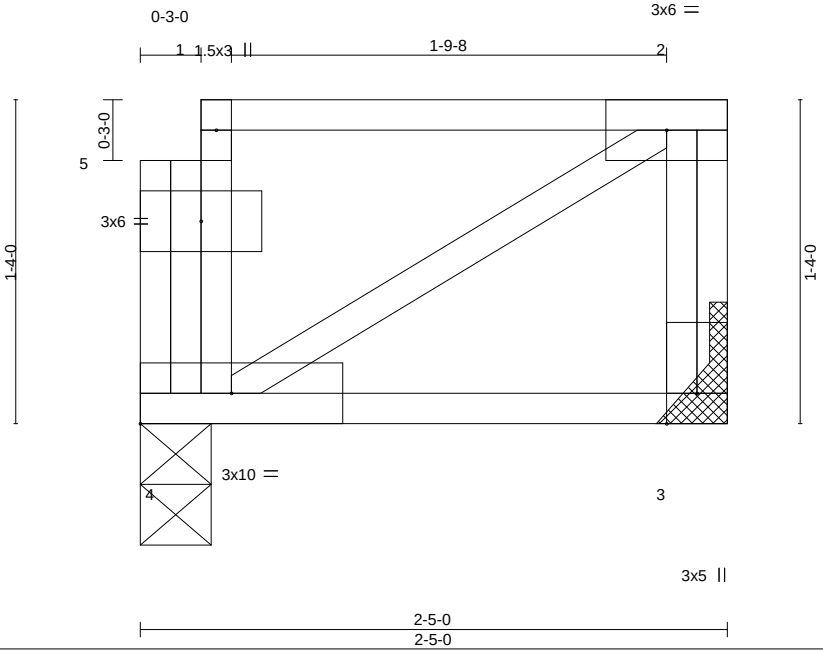


November 30,2021

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

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss
21110323-01	F1P	FLOOR	1	1	T26110800 Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:53 2021 Page 1
ID:SyOeoqmDWZPys6ZdU1fppwypZbX-uKrn3QykNkSl2tqDSot0AVPPze1wtIY5JO5tUdyE4ki



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.31	Vert(LL)	0.00	4	****	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(CT)	-0.00	3-4	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00		n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-P							Weight: 18 lb	FT = 20%F, 11%E

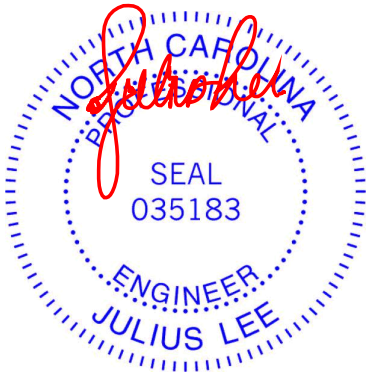
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (size) 3=Mechanical, 4=0-3-8
Max Grav 3=115(LC 1), 4=104(LC 1)

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

NOTES-
1) Refer to girder(s) for truss to truss connections.
2) 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.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.



November 30,2021

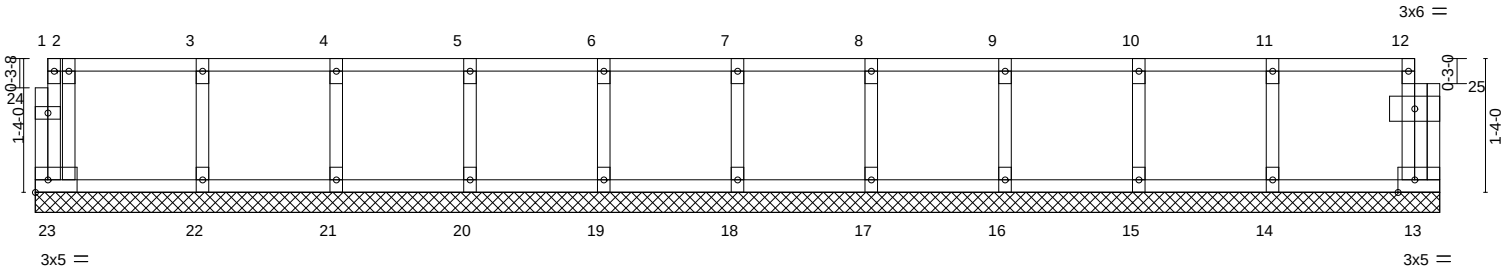
ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss
21110323-01	L1	GABLE	1	1	T26110801
					Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:54 2021 Page 1
ID:SyOeoqmDWZPys6ZdU1fppwypZbX-MWO9GlyM82a9f1PQ0WOFijycL2NRclNFX2qQ13yE4kh

0-1-8 0-3-0

Scale = 1:23.0



0-4-0	1-8-0	3-0-0	4-4-0	5-8-0	7-0-0	8-4-0	9-8-0	11-0-0	12-4-0	14-0-0
0-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-8-0

Plate Offsets (X,Y)-- [13:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	13	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 65 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

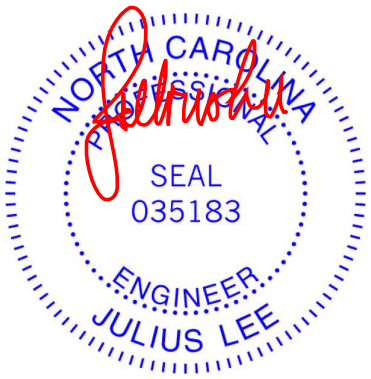
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 14-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 23, 13, 18, 19, 20, 21, 22, 17, 16, 15, 14

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 30,2021

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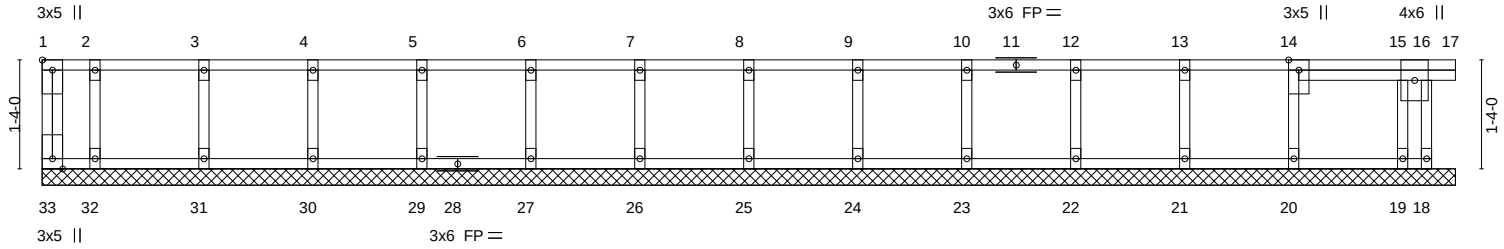
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss
21110323-01	L1A	GABLE	1	1	T26110802 Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:55 2021 Page 1
ID:SyOeoqmDWZPys6ZdU1fppwypZbX-qiyYU5z?vLi0HB_caDvUFwVozSjqLCeOmiazZVyE4kg

0-3-8

Scale = 1:28.2



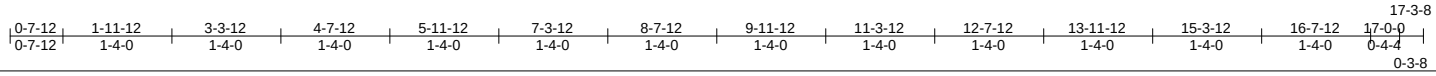


Plate Offsets (X,Y)-- [1:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	-0.00	16	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	-0.00	16	n/r	120		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	18	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 79 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

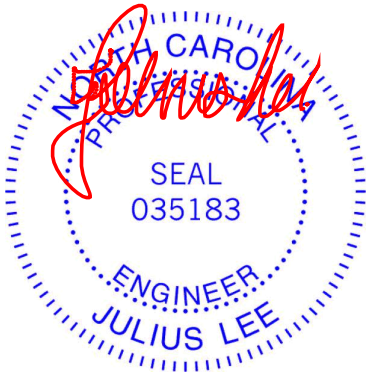
BRACING-

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

REACTIONS. All bearings 17-3-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 33, 18, 25, 26, 27, 29, 30, 31, 32, 24, 23, 22, 21, 20, 19

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.



November 30,2021

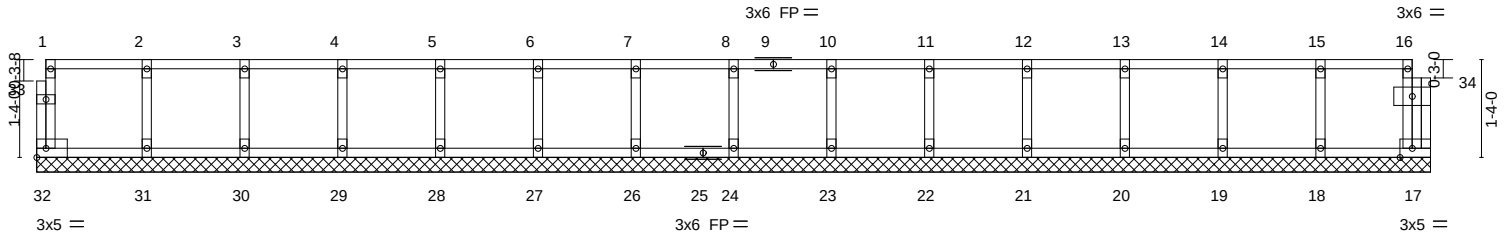
ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss T26110803
21110323-01	L1B	GABLE	1	1	Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:56 2021 Page 1
ID:SyOeoqmDWZPys6ZdU1fppwypZbX-IvWwhR_dgfqtvLZo8xQjo81zQs3?4euX?MJX5yyE4kf

0-1-8 0-3-0

Scale = 1:31.4



1-6-0	2-10-0	4-2-0	5-6-0	6-10-0	8-2-0	9-6-0	10-10-0	12-2-0	13-6-0	14-10-0	16-2-0	17-6-0	19-0-0
1-6-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-6-0

Plate Offsets (X,Y)-- [17:0-2-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	17	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 84 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

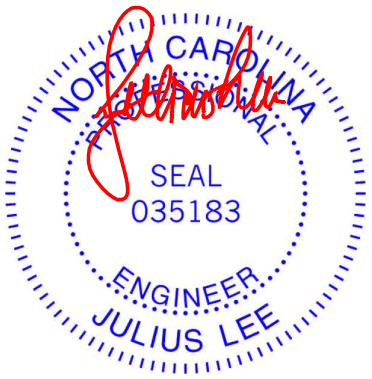
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 19-0-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 24, 26, 27, 28, 29, 30, 31, 23, 22, 21, 20, 19, 18

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



November 30,2021

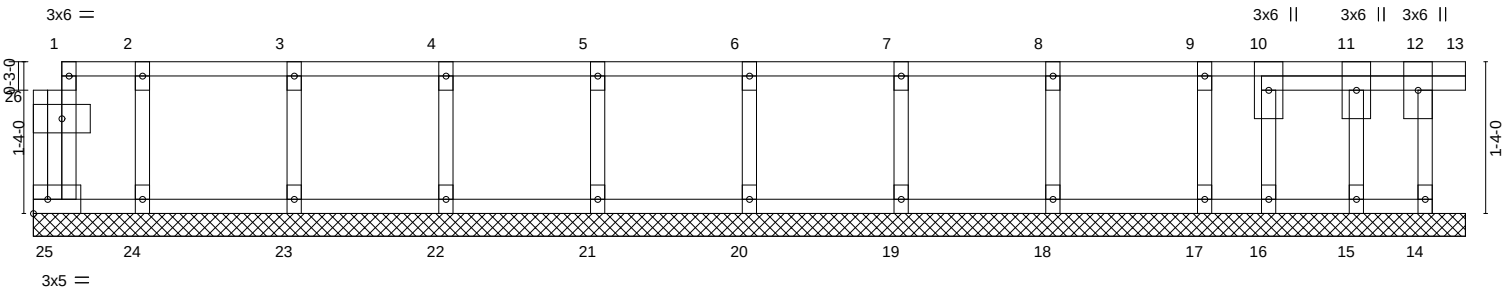
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss
21110323-01	L1C	GABLE	1	1	T26110804 Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:56 2021 Page 1
ID:SyOeoqmDWZPys6ZdU1fppwypZbX-IvWwhR_dgfqtvLZo8xQjo81zks334euX?MJX5yyE4kf

0-3-0 0-3-8

Scale = 1:20.2



0-11-8	2-3-8	3-7-8	4-11-8	6-3-8	7-7-8	8-11-8	10-3-8	10-9-8	11-7-8	12-3-8	12-7-0
0-11-8	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-6-0	0-10-0	0-8-0	0-3-8

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	-0.00	12	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	-0.00	12	n/r	120		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	14	n/a	n/a		
BCDL	5.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 61 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

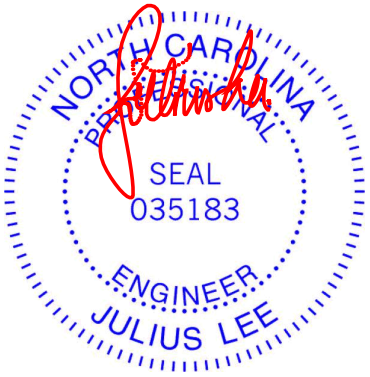
BRACING-

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 12-7-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 25, 14, 20, 21, 22, 23, 24, 19, 18, 17, 15, 16

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

NOTES-
1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.



November 30,2021

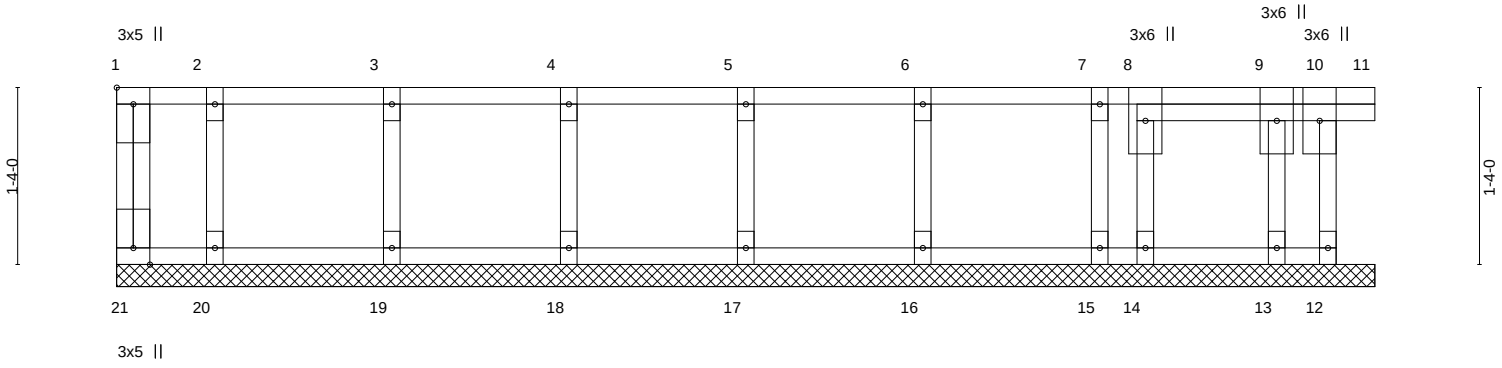
ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss T26110805
21110323-01	L1D	GABLE	1	1	Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:57 2021 Page 1
ID:SyOeoqmDWZPys6ZdU1fppwypZbX-n54Ivn?FRzykWV8?hexyKLa8UGPIp57hE034dOyE4ke

0-3-8

Scale = 1:17.4



0-8-14	2-0-14	3-4-14	4-8-14	6-0-14	7-4-14	7-8-4	8-8-14	9-2-4	9-5-12
0-8-14	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-3-6	1-0-10	0-5-6	0-3-8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	-0.00	10	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	-0.00	10	n/r	120		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 48 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

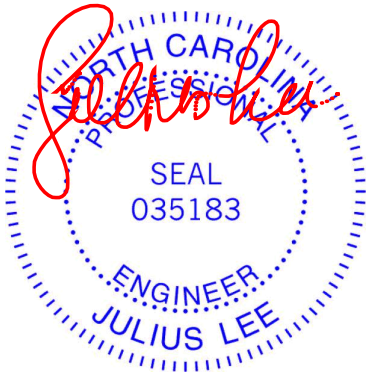
TOP CHORD	Structural wood sheathing directly applied or 9-5-12 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 9-5-12.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 21, 12, 17, 18, 19, 20, 16, 15, 13, 14

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.



November 30,2021

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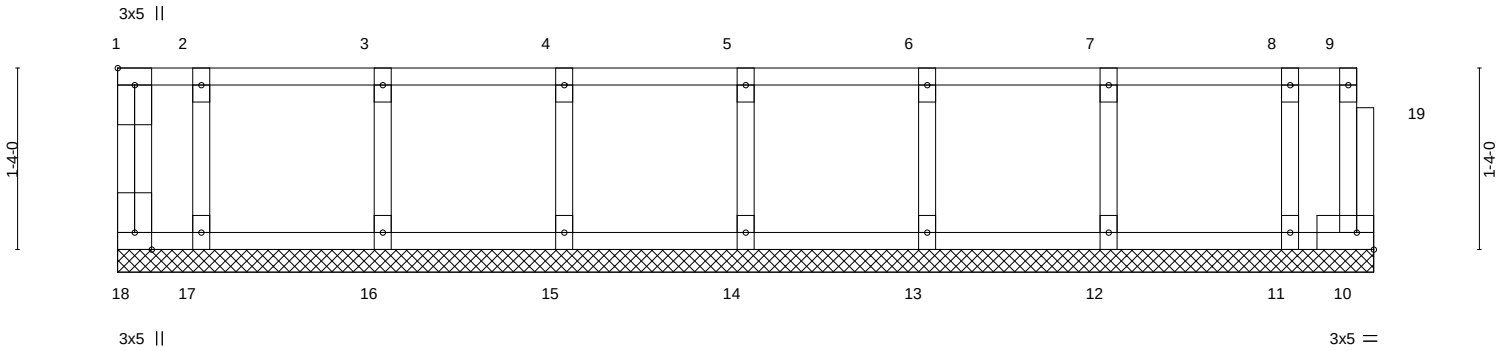
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Cameron Woods Lot 13- 3130 elev A PERMIT-floor truss
21110323-01	L1E	GABLE	1	1	T26110806
					Job Reference (optional)

Carter Components (Lexington), Lexington, NC - 27295, 8.520 s Aug 27 2021 MiTek Industries, Inc. Tue Nov 30 05:53:58 2021 Page 1
ID:SyOeoqmDWZPys6ZdU1fppwypZbX-FHeg670tCG4a8fjBFMTBtZ6JDflXYYNqSgoeAqyE4kd

0-1-8

Scale = 1:16.9



0-7-6	1-11-6	3-3-6	4-7-6	5-11-6	7-3-6	8-7-6	9-2-12
0-7-6	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	0-7-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	10	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 45 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

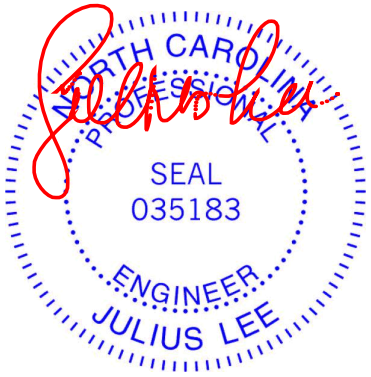
TOP CHORD	Structural wood sheathing directly applied or 9-2-12 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 9-2-12.
(lb) - Max Uplift All uplift 100 lb or less at joint(s) 10
Max Grav All reactions 250 lb or less at joint(s) 18, 14, 15, 16, 17, 13, 12, 11

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

NOTES-

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Attach ribbon block to truss with 3-10d nails applied to flat face.
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 1-4-0 oc.
6) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 10. 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) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
9) CAUTION, Do not erect truss backwards.



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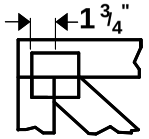
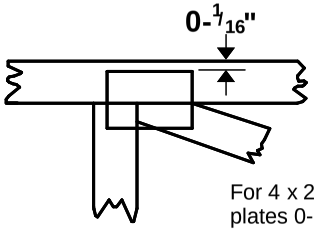
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

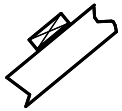
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

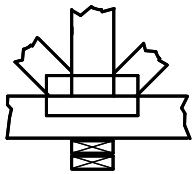
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

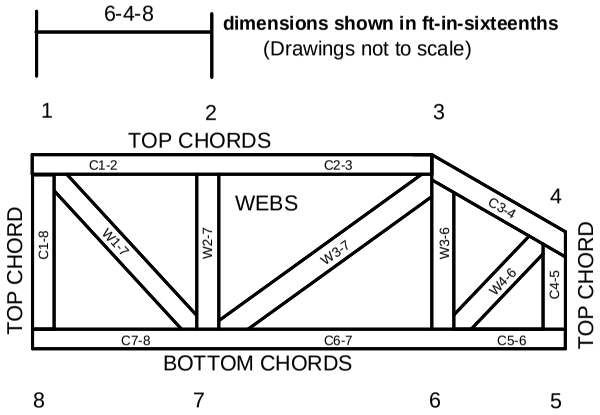


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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