Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483 843 209-5784, Fax (866)-213-4614

The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 49570 JOB: 24-5147-F02

JOB NAME: LOT 0.0109 BLAKE POND

Wind Code: N/A

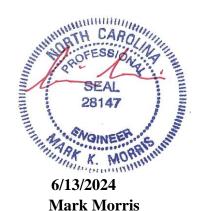
Wind Speed: Vult= N/A Exposure Category: N/A Mean Roof Height (feet): N/A

These truss designs comply with IRC 2015 as well as IRC 2018.

20 Truss Design(s)

Trusses:

F201, F202, F203, F204, F205, F206, F208, F209, F210, F211, F212, F213, F214, F215, F216, F217, F218, F219, F220, F221



Warning !—Verify design parameters and read notes before use.

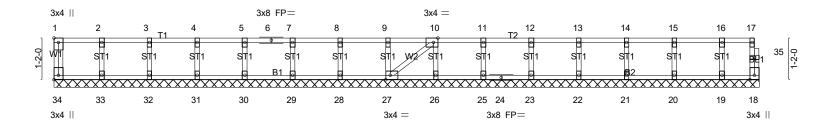
This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC
24-5147-F02	F201	Floor Supported Gable	1	1	Joh Reference (ontional) # 49570

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:19:14 2024 Page 1 ID:gUCksxzC6J7HT2yGkHFINYyiOvf-ImoU1ZTUB_dNx8Qw6ZL7SSSH0eWSd13Ej1xCHXz6eah

0-11-8

Scale: 3/8"=1"



19-8-6 Plate Offsets (X,Y)-- [1:Edge,0-1-8], [10:0-1-8,Edge], [27:0-1-8,Edge], [34:Edge,0-1-8] LOADING (psf) SPACING-DEFL PLATES **GRIP** 2-0-0 CSI. in (loc) I/defl I/d **TCLL** 40.0 Plate Grip DOL 1.00 TC 0.06 Vert(LL) n/a n/a 999 MT20 244/190 TCDL 10.0 Lumber DOL 1.00 вс 0.01 Vert(CT) n/a n/a 999 YES WB 0.03 0.00 **BCLL** 0.0 Rep Stress Incr Horz(CT) 18 n/a n/a BCDL Code IRC2021/TPI2014 Weight: 85 lb FT = 20%F, 11%E Matrix-SH

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

2x4 SP No.3(flat) WFBS 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 19-8-6.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 34, 18, 33, 32, 31, 30, 29, 28, 27, 26, 25, 23, 22, 21, 20, 19

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

(7-8)

- 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) 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

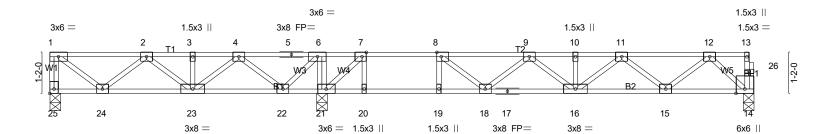


Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC
24-5147-F02	F202	Floor	3	1	Joh Reference (optional) # 49570

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1-3-0 | 0-11-12 | 1-0-3 | 2-0-0 | 0-11-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-15 | 0-1-

Scale = 1:32.7



8-4-6 8-11-15 7-8-12 7-10-4 8-10-7 9-11-15 10-11-15 19-11-14 7-8-12 0-1-8 0-6-2 1-0-0 1-0-0 8-11-15 0-6-2 0-1-8

Plate Offsets (X,Y)				
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.83 BC 0.74 WB 0.29 Matrix-SH	DEFL. in (loc) l/defl L/d Vert(LL) -0.22 18-19 >671 480 Vert(CT) -0.30 18-19 >491 360 Horz(CT) 0.03 14 n/a n/a	PLATES GRIP MT20 244/190 Weight: 104 lb FT = 20%F, 11%E

LUMBER- BRACING-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP SS(flat) *Except*

B2: 2x4 SP No.1(flat)

WEBS 2x4 SP No.3(flat)

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:

6-0-0 oc bracing: 21-22.

REACTIONS. (lb/size) 25=370/0-3-8 (min. 0-1-8), 21=810/0-3-8 (min. 0-1-8), 14=551/0-3-6 (min. 0-1-8)

Max Grav 25=375(LC 8), 21=810(LC 1), 14=560(LC 4)

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

TOP CHORD 1-25=371/0, 1-2=-376/0, 2-3=-754/0, 3-4=-754/0, 4-5=-528/0, 5-6=-528/0, 6-7=-310/40, 7-8=-1240/0, 8-9=-1658/0,

9-10=-1627/0, 10-11=-1627/0, 11-12=-1024/0

BOT CHORD 23-24=0/697, 22-23=0/763, 21-22=-40/310, 20-21=0/1240, 19-20=0/1240, 18-19=0/1240, 17-18=0/1819, 16-17=0/1819,

15-16=0/1435, 14-15=0/582

WEBS 7-20=0/406, 8-19=-349/0, 6-21=-344/27, 1-24=0/472, 2-24=-417/0, 4-22=-364/0, 6-22=0/389, 7-21=-1230/0,

8-18=0/566, 11-15=-535/0, 12-15=0/576, 12-14=-794/0

NOTES- (5-6)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 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.
- 5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



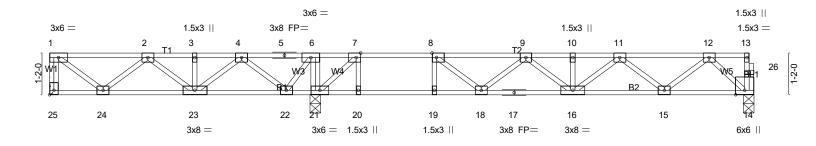
6/13/2024



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0-11-15 0-1-8 1-3-0 0-8-4 1-0-3 2-0-0

Scale: 3/8"=1"



	8-0-14 8-8-7		
7-5-4	7-6 ₁ 12	19-8-6	1
7-5-4	0-1-8 '0-6-2'	8-11-15	
	0-6-2 0-1-8		
Plate Offsets (X Y) [7:0-1-8 Edge] [8:0-1-8 Edge	1 [25:Edge 0-1-8]		

LOADING (psf) TCLL 40.0 TCDL 10.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00	CSI. TC 0.83 BC 0.74	DEFL. in (loc) I/defl L/d Vert(LL) -0.22 18-19 >676 480 Vert(CT) -0.29 18-19 >494 360	PLATES GRIP MT20 244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2021/TPI2014	WB 0.29 Matrix-SH	Horz(CT) 0.02 14 n/a n/a	Weight: 103 lb FT = 20%F, 11%E

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

BOT CHORD 2x4 SP SS(flat) *Except*

B2: 2x4 SP No.1(flat)

WFBS 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:

6-0-0 oc bracing: 21-22.

REACTIONS. (lb/size) 25=361/Mechanical, 21=792/0-3-8 (min. 0-1-8), 14=552/0-3-6 (min. 0-1-8)

Max Grav 25=366(LC 8), 21=792(LC 1), 14=561(LC 4)

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

1-25=-362/0, 1-2=-365/0, 2-3=-723/0, 3-4=-723/0, 4-5=-476/0, 5-6=-476/0, 6-7=-308/35, 7-8=-1246/0, 8-9=-1662/0, TOP CHORD

9-10=-1630/0, 10-11=-1630/0, 11-12=-1026/0

BOT CHORD 23-24=0/674, 22-23=0/712, 21-22=-35/308, 20-21=0/1246, 19-20=0/1246, 18-19=0/1246, 17-18=0/1822, 16-17=0/1822,

15-16=0/1437, 14-15=0/582

7-20=0/409, 8-19=-347/0, 6-21=-332/11, 1-24=0/457, 2-24=-403/0, 4-22=-366/0, 6-22=0/365, 7-21=-1245/0,

8-18=0/562, 11-15=-536/0, 12-15=0/577, 12-14=-795/0

NOTES-

WFBS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Refer to girder(s) for truss to truss connections.
- 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.
- 6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



Job Truss Truss Type LOT 0.0109 BLAKE POND | 101 FROST MEADOW WAY LILLINGTON, NC 24-5147-F02 F204 Floor Supported Gable # 49570 Job Reference (optional) Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:19:16 2024 Page 1 ID:gUCksxzC6J7HT2yGkHFINYyiOvf-E9wFSFUIjct5BSaJE_NbXtXdgSBk5xkXALQILPz6eaf 0-1-8 Q-1-8 3 1.5x3 || 1 1.5x3 || 2 1.5x3 ||

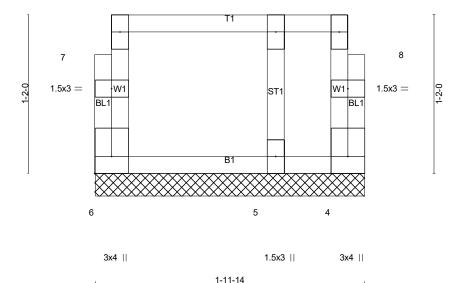


Plate Offsets (X,Y)-- [6:Edge,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	I	ATES	GRIP
TCLL 40.0	Plate Grip DOL	1.00	10	0.05	Vert(LL)	n/a	-	n/a	999	MT	20	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	0.02	Horz(CT)	0.00	4	n/a	n/a			
BCDL 5.0	Code IRC2021/TI	PI2014	Matr	ix-R						We	eight: 12 lb	FT = 20%F, 11%E

1-11-14

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS 2x4 SP No.3(flat) **OTHERS**

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-11-14 oc purlins,

except end verticals.

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

REACTIONS. (lb/size) 6=60/1-11-14 (min. 0-1-8), 4=21/1-11-14 (min. 0-1-8), 5=98/1-11-14 (min. 0-1-8)

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

NOTES-(5-6)

- 1) Gable requires continuous bottom chord bearing.
- 2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 3) Gable studs spaced at 1-4-0 oc.
- 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



Scale = 1:8.5

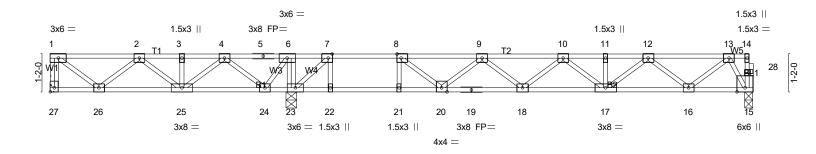


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1-3-0

0-8-4 1-0-3 2-0-0

0-1-8 0<u>-5-1</u>5 Scale = 1:35.6



8-0-14 8-8-7 7-6-12 8-6-15 9-8-7 0-1-8 0-6-2 1-0-0 10-8-7 21-8-6 0-6-1 0-1-8

Plate Offsets (X,Y)	[/:U-1-8,Eage], [8:U-1-8,Eage], [2/:Eage,U-1-8]	
		Ξ

LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.74	Vert(LL) -0.29 20-21 >579 480	MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.91	Vert(CT) -0.40 20-21 >423 360	
BCLL 0.0	Rep Stress Incr YES	WB 0.41	Horz(CT) 0.03 15 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	. ,	Weight: 113 lb FT = 20%F, 11%E

BRACING-

LUMBER-

TOP CHORD 2x4 SP SS(flat) *Except*

T1: 2x4 SP No.1(flat)

BOT CHORD 2x4 SP SS(flat) *Except* B2: 2x4 SP No.1(flat)

WFBS 2x4 SP No.3(flat)

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:

6-0-0 oc bracing: 23-24.

REACTIONS. (lb/size) 27=317/Mechanical, 23=949/0-3-8 (min. 0-1-8), 15=614/0-3-6 (min. 0-1-8)

Max Grav 27=322(LC 8), 23=949(LC 1), 15=622(LC 4)

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

1-27=-319/0, 1-2=-307/0, 2-3=-557/0, 3-4=-557/0, 7-8=-1201/0, 8-9=-1862/0, TOP CHORD

9-10=-2121/0. 10-11=-1841/0. 11-12=-1841/0. 12-13=-950/0 **BOT CHORD** 25-26=0/565, 24-25=0/496, 22-23=0/1201, 21-22=0/1201, 20-21=0/1201, 19-20=0/2188,

18-19=0/2188, 17-18=0/2063, 16-17=0/1490, 15-16=0/389

7-22=0/520, 8-21=-449/0, 6-23=-333/17, 1-26=0/385, 2-26=-335/0, 4-24=-394/0, 6-24=0/454, 7-23=-1614/0, 8-20=0/871, 9-20=-439/0, 10-17=-283/0, 12-17=0/448,

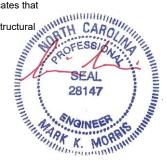
12-16=-703/0, 13-16=0/730, 13-15=-766/0

NOTES-

WEBS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Refer to girder(s) for truss to truss connections.
- 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.
- 6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

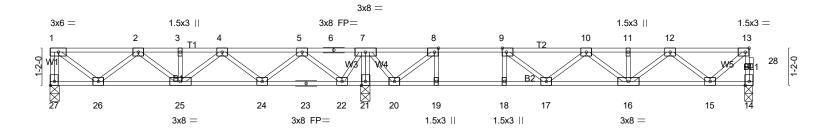


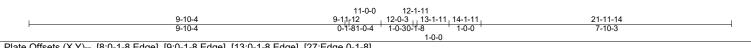
Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC
24-5147-F02	F206	Floor	2	1	Job Reference (optional) # 49570

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2-0-0 1-1-3_0-1-8 1-3-0 0-7-4 0-9-7

Scale = 1:36.0





Flate Offsets (A, I)	[0.0-1-0,Euge], [3.0-1-0,Euge], [13.0-	1-0,Lugej, [21.Luge,0-1-	·0]	
LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL . in (loc) I/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.67	Vert(LL) -0.19 17-18 >771 480	MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.98	Vert(CT) -0.25 17-18 >568 360	
BCLL 0.0	Rep Stress Incr YES	WB 0.32	Horz(CT) 0.03 14 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH		Weight: 114 lb FT = 20%F, 11%E

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.1(flat) TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except BOT CHORD 2x4 SP No.1(flat) end verticals

2x4 SP No.3(flat) **BOT CHORD** Rigid ceiling directly applied or 2-2-0 oc bracing. WFBS

REACTIONS. (lb/size) 27=415/0-3-8 (min. 0-1-8), 14=513/0-3-6 (min. 0-1-8), 21=979/0-3-8 (min. 0-1-8)

Max Grav 27=427(LC 8), 14=532(LC 4), 21=979(LC 1)

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

TOP CHORD 1-27=-423/0, 14-28=-531/0, 13-28=-530/0, 1-2=-445/0, 2-3=-957/0, 3-4=-957/0,

4-5=-862/0, 7-8=-479/125, 8-9=-1267/0, 9-10=-1531/0, 10-11=-1326/0, 11-12=-1326/0,

12-13=-535/0

BOT CHORD 25-26=0/829. 24-25=0/1014. 23-24=0/683. 22-23=0/683. 21-22=-347/110. 20-21=-344/112.

19-20=0/1267, 18-19=0/1267, 17-18=0/1267, 16-17=0/1596, 15-16=0/1049 8-19=0/333, 9-18=-287/0, 7-21=-858/0, 1-26=0/558, 2-26=-500/0, 4-24=-268/0,

5-24=0/301, 5-22=-601/0, 7-22=0/459, 8-20=-1059/0, 7-20=0/569, 9-17=0/410,

10-16=-346/0, 12-16=0/353, 12-15=-670/0, 13-15=0/675

NOTES-

WFBS

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 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.
- 5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



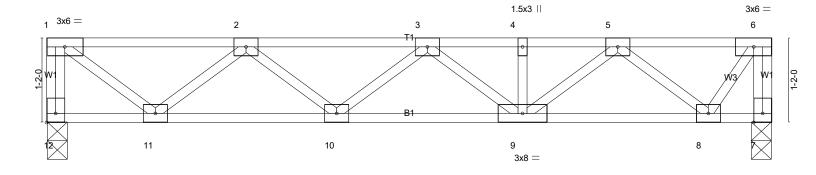
6/13/2024

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC
24-5147-F02	F208	Floor	1	1	Job Reference (optional) # 49570

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0-7-8

Scale: 3/4"=1'



1-6-0 1-6-0	4-0-0 2-6-0		9-1-8 5-1-8	10-0-0
Plate Offsets (X,Y)	[12:Edge,0-1-8]	T		
LOADING (psf) TCLL 40.0 TCDL 10.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00	CSI. TC 0.22 BC 0.20	DEFL. in (loc) l/defl L/d Vert(LL) -0.02 9-10 >999 480 Vert(CT) -0.03 9-10 >999 360	PLATES GRIP MT20 244/190
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2021/TPI2014	WB 0.27 Matrix-SH	Horz(CT) 0.01 7 n/a n/a	Weight: 54 lb FT = 20%F, 11%E

LUMBER-

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

1-3-0

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. (lb/size) 12=429/0-3-8 (min. 0-1-8), 7=429/0-3-8 (min. 0-1-8)

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

TOP CHORD 1-12=-424/0, 6-7=-429/0, 1-2=-450/0, 2-3=-941/0, 3-4=-902/0, 4-5=-902/0, 5-6=-261/0

BOT CHORD 10-11=0/839, 9-10=0/1019, 8-9=0/677

WEBS 1-11=0/564, 2-11=-507/0, 5-9=0/287, 5-8=-541/0, 6-8=0/447

NOTES-(3-4)

- 1) All plates are 3x4 MT20 unless otherwise indicated.
- 2) 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.
- 3) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 4) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

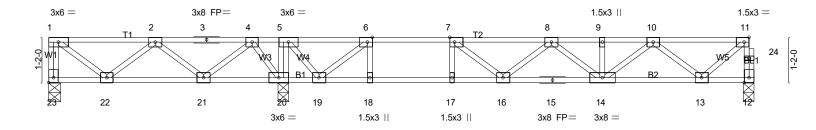
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC
24-5147-F02	F209	Floor	5	1	Job Reference (optional) # 49570

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Scale = 1:29.7



		6 ₇ 2 _F 4		18-2		
	6-0-12	0-1-8 1-0-3 1 1-0-3 0-1-8	1-0-0 1 1-0-0 1	7-10	1-3	
Plate Offsets (X,Y)	[6:0-1-8,Edge], [7:0-1-8,Edge], [11:0-	1-8.Edgel. [23:Edge.0-1-	-81			
	1 J J J J J J J J J J J J J J J J J J J	1 J J I I				
LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL.	in (loc) I/defl L/d	PLATES GRIP	
TCLL Ÿ0.Ó	Plate Grip DOL 1.00	TC 0.64	Vert(LL) -0.	18 16-17 >809 480	MT20 244/190	
TCDL 10.0	Lumber DOL 1.00	BC 0.94	Vert(CT) -0.2	24 16-17 >595 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.33	Horz(CT) 0.0	02 12 n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	, ,		Weight: 95 lb FT = 2	0%F, 11%E
		1			_	

LUMBER-

TOP CHORD 2x4 SP No.1(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, Except:

6-0-0 oc bracing: 19-20 2-2-0 oc bracing: 17-18.

REACTIONS. (lb/size) 23=282/0-3-8 (min. 0-1-8), 12=533/0-3-6 (min. 0-1-8), 20=758/0-3-8 (min. 0-1-8)

Max Grav 23=305(LC 8), 12=539(LC 4), 20=758(LC 1)

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

TOP CHORD 1-23=-301/0, 12-24=-538/0, 11-24=-537/0, 1-2=-287/0, 2-3=-480/0, 3-4=-480/0, 5-6=-552/0, 6-7=-1325/0,

7-8=-1573/0, 8-9=-1351/0, 9-10=-1351/0, 10-11=-543/0

BOT CHORD 21-22=0/525, 20-21=0/421, 18-19=0/1325, 17-18=0/1325, 16-17=0/1325, 15-16=0/1629, 14-15=0/1629, 13-14=0/1066 WEBS 6-18=0/301, 7-17=-259/0, 5-20=-436/0, 1-22=0/360, 2-22=-310/0, 4-20=-337/0, 6-19=-1004/0, 5-19=0/574, 7-16=0/345,

8-14=-355/0, 10-14=0/364, 10-13=-681/0, 11-13=0/686

NOTES- (5-6)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 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.
- 5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



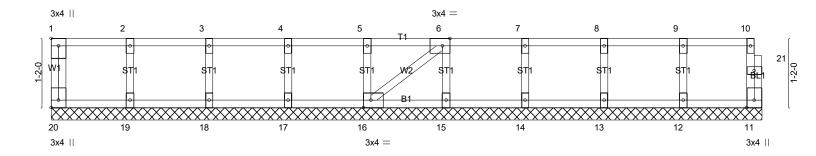
6/13/2024

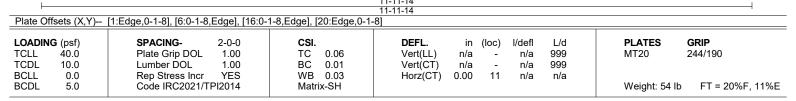
Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC
24-5147-F02	F210	Floor Supported Gable	1	1	Job Reference (optional) # 49570

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0₁1₇8

Scale = 1:19.4





TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) 2x4 SP No.3(flat) WFBS

2x4 SP No.3(flat) OTHERS

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 11-11-14.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 20, 11, 19, 18, 17, 16, 15, 14, 13, 12

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

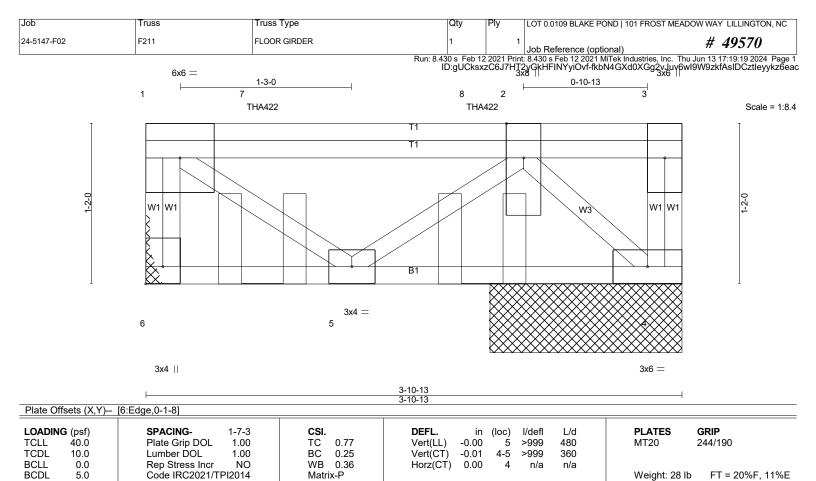
(7-8)

LUMBER-

- 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) 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard





BCDL

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

TOP CHORD Structural wood sheathing directly applied or 3-10-13 oc purlins,

except end verticals

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

REACTIONS. (lb/size) 6=1059/Mechanical, 4=803/1-4-13 (min. 0-1-8)

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

TOP CHORD 1-6=-1053/0, 3-4=0/283, 1-7=-599/0, 7-8=-599/0, 2-8=-599/0

BOT CHORD 4-5=0/1127

WEBS 1-5=0/735, 2-5=-671/0, 2-4=-1558/0

NOTES-(6-7)

- 1) Refer to girder(s) for truss to truss connections.
- 2) 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.

Matrix-P

- 3) Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent spaced at 1-7-3 oc max. starting at 0-10-3 from the left end to 2-5-6 to connect truss(es) F216 (1 ply 2x4 SP) to back face of top chord.
- 4) Fill all nail holes where hanger is in contact with lumber.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 4-6=-8, 1-3=-80

Concentrated Loads (lb) Vert: 7=-772(B) 8=-769(B)



Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW	WAY LILLINGTON, NC
24-5147-F02	F212	Floor Supported Gable	1	1	Job Reference (optional)	# 49570

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0-1-8

Scale = 1:38.1

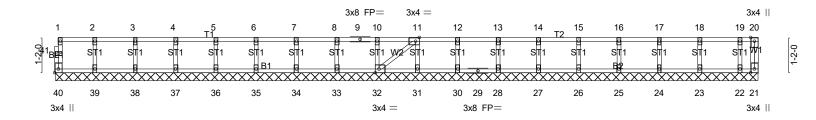


Plate Offsets (X,Y)	<u> </u>			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 21 n/a n/a	PLATES GRIP MT20 244/190 Weight: 100 lb FT = 20%F, 11%E

23-3-4

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WFBS

2x4 SP No.3(flat) 2x4 SP No.3(flat) OTHERS

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 23-3-4.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 40, 21, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30, 28, 27, 26, 25,

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

NOTES-(7-8)

- 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) 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

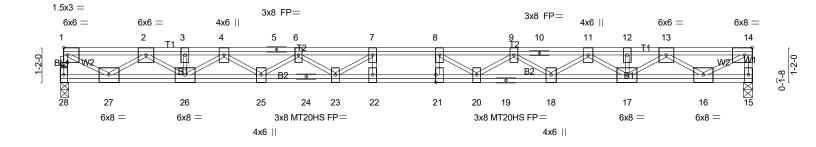
LOAD CASE(S) Standard



Job Truss Truss Type Qtv LOT 0.0109 BLAKE POND | 101 FROST MEADOW WAY LILLINGTON, NC F213 24-5147-F02 FLOOR # 49570 Job Reference (optional)

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0-1-8 Scale = 1:38.8 H 1-4-11 1-3-0 2-0-0



	10-7-11 10-7-11		1-7-11 ₁ 2-7-11 ₁ 1-0-0 1-0-0		23- 10-7		
Plate Offsets (X,Y)	[1:0-1-8,0-0-8], [14:0-3-0,Edge], [21:0	-3-0,0-0-0]					
LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL.	in (loc)	I/defl L/d	PLATES GRIP	
TCLL 40.0	Plate Grip DOL 1.00	TC 0.21	Vert(LL)	-0.42 21-22	>653 480	MT20 244/1	90
TCDL 10.0	Lumber DOL 1.00	BC 0.63	Vert(CT)	-0.58 21-22	>475 360	MT20HS 187/1	43
BCLL 0.0	Rep Stress Incr YES	WB 0.83	Horz(CT)	0.07 15	n/a n/a		
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	<u> </u>			Weight: 180 lb FT =	= 20%F, 11%E

LUMBER-BRACING-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) **WEBS**

2x4 SP No.3(flat)

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. (lb/size) 28=1013/0-3-6 (min. 0-1-8), 15=1013/0-3-8 (min. 0-1-8)

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

TOP CHORD 1-28=-996/0, 14-15=-997/0, 1-2=-1501/0, 2-3=-3651/0, 3-4=-3651/0, 4-5=-5118/0, 5-6=-5118/0, 6-7=-5975/0, 7-8=-6248/0, 8-9=-5975/0, 9-10=-5118/0, 10-11=-5118/0, 11-12=-3651/0, 12-13=-3651/0, 13-14=-1485/0

BOT CHORD 26-27=0/2697, 25-26=0/4521, 24-25=0/5691, 23-24=0/5691, 22-23=0/6248, 21-22=0/6248, 20-21=0/6248, 19-20=0/5691,

18-19=0/5691, 17-18=0/4521, 16-17=0/2697

7-23=-678/135, 6-23=0/527, 6-25=-711/0, 4-25=0/740, 4-26=-1061/0, 2-26=0/1163, 2-27=-1485/0, 1-27=0/1743. **WEBS**

8-20=-678/135, 9-20=0/527, 9-18=-711/0, 11-18=0/740, 11-17=-1061/0, 13-17=0/1163, 13-16=-1503/0, 14-16=0/1735

NOTES-(6-7)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x6 MT20 unless otherwise indicated.
- 4) Required 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.
- 6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

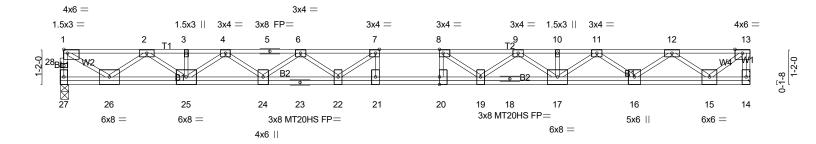
LOAD CASE(S) Standard





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0-1-8 Scale = 1:38.4 H 1-4-11 1-3-0 2-0-0



	10-7-11 10-7-11		1-7-11 ₁ 12-7-11 ₁ 1-0-0 1-0-0		22-11-14 10-4-3		
Plate Offsets (X,Y)	[1:Edge,0-1-8], [7:0-1-8,Edge], [8:0-1-	8,Edge], [20:0-3-0,0-0-0]					
LOADING (psf) TCLL 40.0 TCDL 10.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00	CSI. TC 0.76 BC 0.40	Vert(CT) -	in (loc) I/defl -0.50 20-21 >548 -0.68 20-21 >399	L/d 480 360	PLATES MT20 MT20HS	GRIP 244/190 187/143
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2021/TPI2014	WB 0.76 Matrix-SH	Horz(CT)	0.05 14 n/a	n/a	Weight: 147 lb	FT = 20%F, 11%E

BOT CHORD

end verticals

LUMBER-BRACING-TOP CHORD

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP SS(flat) **WEBS**

2x4 SP No.3(flat)

REACTIONS. (lb/size) 27=995/0-3-6 (min. 0-1-8), 14=1000/Mechanical

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

27-28=-978/0, 1-28=-977/0, 13-14=-984/0, 1-2=-1379/0, 2-3=-3366/0, 3-4=-3366/0, 4-5=-4723/0, 5-6=-4723/0, 6-7=-5476/0, 7-8=-5728/0, 8-9=-5411/0, 9-10=-4584/0, 10-11=-4584/0, 11-12=-3122/0, 12-13=-1131/0

BOT CHORD 25-26=0/2500, 24-25=0/4178, 23-24=0/5235, 22-23=0/5235, 21-22=0/5728, 20-21=0/5728, 19-20=0/5728, 18-19=0/5131,

17-18=0/5131, 16-17=0/3948, 15-16=0/2272

WEBS 7-21=-259/279, 8-20=-234/305, 7-22=-675/158, 6-22=0/437, 6-24=-651/0, 4-24=0/691, 4-25=-1013/0, 2-25=0/1081, 2-26=-1423/0, 1-26=0/1588, 8-19=-727/102, 9-19=0/468, 9-17=-682/0, 11-17=0/794, 11-16=-1049/0, 12-16=0/1079,

12-15=-1450/0. 13-15=0/1448

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 3x6 MT20 unless otherwise indicated.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Required 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.
- CAUTION. Do not erect truss backwards.
- 7) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



Structural wood sheathing directly applied or 4-5-11 oc purlins, except

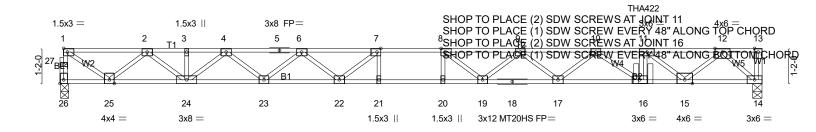
Rigid ceiling directly applied or 10-0-0 oc bracing.

6/13/2024



Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:19:21 2024 Page 1 ID:gUCksxzC6J7HT2yGkHFINYyiOvf-b7j8VyYtY8WOHDSG0XzmExFLWTkNm3sGKc730dz6eaa





<u> </u>	10-7-11 10-7-11		11-7-1112-7-11 1-0-0 1-0-0	19-4-2 6-8-7	23-3-6 3-11-4
Plate Offsets (X,Y) [[7:0-1-8,Edge], [8:0-1-8,Edge], [26:Ed	ge,0-1-8]			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO	CSI. TC 0.62 BC 0.76 WB 0.60	Vert(LL) -0.45	19-20 >444 360	PLATES GRIP MT20 244/190 MT20HS 187/143
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	1.6.2(0.1) 0.00		Weight: 236 lb FT = 20%F, 11%E

LUMBER-BRACING-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP SS(flat) *Except*

B2: 2x4 SP No.1(flat)

WFBS 2x4 SP No.3(flat) 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. (lb/size) 26=1173/0-3-6 (min. 0-1-8), 14=1843/0-3-8 (min. 0-1-8)

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

TOP CHORD 26-27=-1167/0, 1-27=-1165/0, 1-2=-1569/0, 2-3=-3885/0, 3-4=-3885/0, 4-5=-5599/0,

5-6=-5599/0, 6-7=-6755/0, 7-8=-7372/0, 8-9=-7494/0, 9-10=-7137/0, 10-11=-6133/0,

11-12=-4018/0

BOT CHORD 24-25=0/2839. 23-24=0/4880. 22-23=0/6279. 21-22=0/7372. 20-21=0/7372. 19-20=0/7372.

18-19=0/7471, 17-18=0/7471, 16-17=0/6785, 15-16=0/6133, 14-15=0/2068 11-16=0/438, 7-21=0/406, 8-20=-378/2, 7-22=-1118/0, 6-22=0/778, 6-23=-885/0,

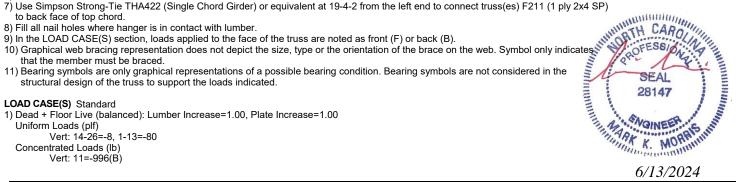
4-23=0/936, 4-24=-1270/0, 2-24=0/1335, 2-25=-1652/0, 1-25=0/1845, 8-19=-150/601, 9-17=-434/0, 10-17=0/458, 10-16=-782/0, 11-15=-2654/0, 12-15=0/2537, 12-14=-2751/0

NOTES-

WFBS

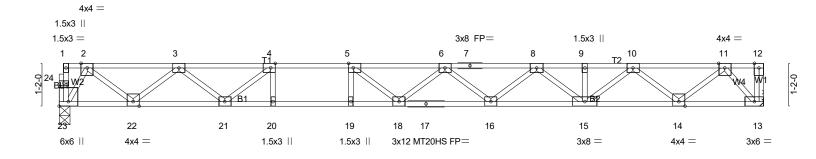
- 1) Fasten trusses together to act as a single unit as per standard industry detail, or loads are to be evenly applied to all plies.
- 2) Unbalanced floor live loads have been considered for this design.
- 3) All plates are MT20 plates unless otherwise indicated.
- 4) All plates are 3x4 MT20 unless otherwise indicated.
- 5) Required 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 Simpson Strong-Tie THA422 (Single Chord Girder) or equivalent at 19-4-2 from the left end to connect truss(es) F211 (1 ply 2x4 SP)

Vert: 11=-996(B)





Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:19:22 2024 Page 1 ID:gUCksxzC6J7HT2yGkHFINYyiOvf-3JHWjIZVJSeFvN1TaFU?m8nSDs1yVYnQZGtdZ3z6eaZ



-	5-10-11 5-10-11	1-0-0 1-0-0	19-2-6	
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [23:E	dge,0-3-0]		
LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.88	Vert(LL) -0.40 18-19 >575 480	MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.93	Vert(CT) -0.54 18-19 >418 360	MT20HS 187/143
BCLL 0.0	Rep Stress Incr YES	WB 0.50	Horz(CT) 0.06 13 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	` ,	Weight: 97 lb FT = 20%F, 11%E

BRACING-

TOP CHORD

BOT CHORD

end verticals

2-2-0 oc bracing: 19-20.

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP SS(flat) *Except*

B2: 2x4 SP No.1(flat)

WEBS 2x4 SP No.3(flat)

REACTIONS. (lb/size) 23=828/0-3-6 (min. 0-1-8), 13=833/Mechanical

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

TOP CHORD 2-3=-1336/0, 3-4=-2669/0, 4-5=-3450/0, 5-6=-3738/0, 6-7=-3556/0, 7-8=-3556/0, 8-9=-2838/0, 9-10=-2838/0,

10-11=-1514/0

BOT CHORD 22-23=0/534, 21-22=0/2092, 20-21=0/3450, 19-20=0/3450, 18-19=0/3450, 17-18=0/3812, 16-17=0/3812, 15-16=0/3296,

14-15=0/2268, 13-14=0/736

WEBS 4-20=0/378, 5-19=-352/0, 4-21=-1051/0, 3-21=0/751, 3-22=-984/0, 2-22=0/1044, 2-23=-1025/0, 5-18=-125/535,

6-16=-333/0, 8-16=0/339, 8-15=-584/0, 10-15=0/728, 10-14=-982/0, 11-14=0/1012, 11-13=-1104/0

NOTES- (7-8)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x4 MT20 unless otherwise indicated.
- 4) Refer to girder(s) for truss to truss connections.
- 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



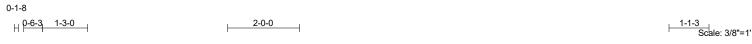
Structural wood sheathing directly applied or 2-2-0 oc purlins, except

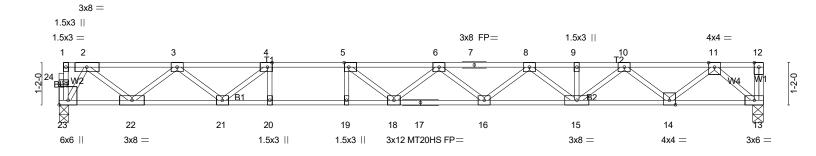
Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

6/13/2024



Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MTek Industries, Inc. Thu Jun 13 17:19:22 2024 Page 1 ID:gUCksxzC6J7HT2yGkHFINYyiOvf-3JHWjIZVJSeFvN1TaFU?m8nRSs1RVYeQZGtdZ3z6eaZ





	5-10-11 5-10-11	6-10-11 7-10-11 1-0-0 1-0-0	19-5-14 11-7-3	
Plate Offsets (X,Y)	[4:0-1-8,Edge], [5:0-1-8,Edge], [23:E			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.93 BC 0.96 WB 0.51 Matrix-SH	DEFL. in (loc) I/defl L/d Vert(LL) -0.42 18-19 >550 480 Vert(CT) -0.58 18-19 >400 360 Horz(CT) 0.07 13 n/a n/a	PLATES GRIP MT20 244/190 MT20HS 187/143 Weight: 98 lb FT = 20%F, 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP SS(flat) *Except*

B2: 2x4 SP No.1(flat)

WFBS 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, Except:

2-2-0 oc bracing: 19-20.

REACTIONS. (lb/size) 23=841/0-3-6 (min. 0-1-8), 13=846/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1359/0, 3-4=-2723/0, 4-5=-3533/0, 5-6=-3850/0, 6-7=-3699/0, 7-8=-3699/0, 8-9=-3013/0, 9-10=-3013/0,

10-11=-1720/0

BOT CHORD 22-23=0/543, 21-22=0/2129, 20-21=0/3533, 19-20=0/3533, 18-19=0/3533, 17-18=0/3941, 16-17=0/3941, 15-16=0/3453,

14-15=0/2459 13-14=0/956

WEBS 4-20=0/393, 5-19=-366/0, 4-21=-1085/0, 3-21=0/773, 3-22=-1001/0, 2-22=0/1063, 2-23=-1042/0, 5-18=-111/569, 6-16=-315/0, 8-16=0/320, 8-15=-563/0, 10-15=0/707, 10-14=-962/0, 11-14=0/995, 11-13=-1255/0

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 3x4 MT20 unless otherwise indicated.
- 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.
- 6) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

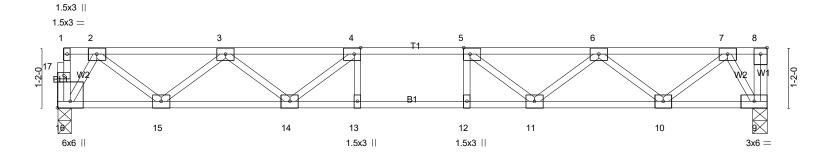
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC
24-5147-F02	F218	Floor	13	1	Inh Reference (ontional) # 49570

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:19:22 2024 Page 1 ID:gUCksxzC6J7HT2yGkHFINYyiOvf-3JHWjIZVJSeFvN1TaFU?m8nbxs7KVaQQZGtdZ3z6eaZ





Plata Offsata (V.V.)	5-10-11 5-10-11	1-	0-11		3-9-6 10-11	
	4:0-1-8,Edge], [5:0-1-8,Edge], [16:Ed SPACING- 1-7-3		DEFL. in (loc)	I/doft I/d	PLATES GRIP	
TCLL 40.0 TCDL 10.0	Plate Grip DOL 1.00 Lumber DOL 1.00	CSI. TC 0.26 BC 0.52	Vert(LL) -0.09 11-12 Vert(CT) -0.12 11-12	>999 360	PLATES GRIP MT20 244/190	
BCLL 0.0 BCDL 5.0	Rep Stress Incr YES Code IRC2021/TPI2014	WB 0.33 Matrix-SH	Horz(CT) 0.03 9	n/a n/a	Weight: 70 lb FT = 20%	F, 11%E

TOP CHORD

BOT CHORD

end verticals

LUMBER-**BRACING-**

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat)

WEBS 2x4 SP No.3(flat)

REACTIONS. (lb/size) 16=590/0-3-6 (min. 0-1-8), 9=595/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-906/0, 3-4=-1665/0, 4-5=-1910/0, 5-6=-1665/0, 6-7=-906/0

BOT CHORD 15-16=0/376, 14-15=0/1413, 13-14=0/1910, 12-13=0/1910, 11-12=0/1910, 10-11=0/1413, 9-10=0/376

 $4-14-428/0,\ 3-14=0/355,\ 3-15=-660/0,\ 2-15=0/690,\ 2-16=-720/0,\ 5-11=-428/0,\ 6-11=0/355,\ 6-10=-660/0,\ 7-10=0/690,\ 1-10=0/690,\$ WEBS

NOTES-(5-6)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 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.
- 5) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 6) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard



Structural wood sheathing directly applied or 6-0-0 oc purlins, except

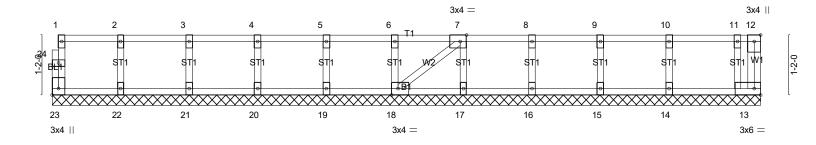
Rigid ceiling directly applied or 10-0-0 oc bracing.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW \	WAY LILLINGTON, NC
24-5147-F02	F219	Floor Supported Gable	1	1	Job Reference (optional)	# 49570

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:19:23 2024 Page 1 ID:gUCksxzC6J7HT2yGkHFINYyiOvf-XVruwea84Im5WWcf8y?EJMKqmGaTE6JZnwcA5Vz6eaY

0-1-8

Scale = 1:22.4



13-9-6 Plate Offsets (X,Y) [7:0-1-8,Edge], [18:0-1-8,Edge], [23:Edge,0-1-8]							
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 13 n/a n/a	PLATES GRIP MT20 244/190 Weight: 62 lb FT = 20%F, 11%E			

13-9-6

LUMBER-

OTHERS

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(flat) WFBS

2x4 SP No.3(flat) 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.

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

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

(7-8)

- 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) 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 8) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

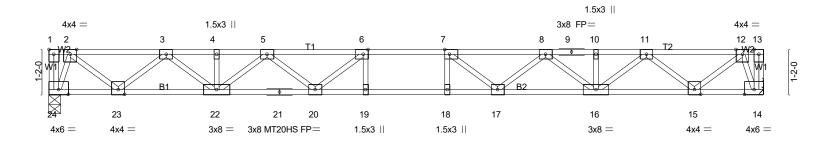


Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC
24-5147-F02	F220	Floor	12	1	Job Reference (optional) # 49570

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:19:23 2024 Page 1 ID:gUCksxzC6J7HT2yGkHFINYyiOvf-XVruwea84Im5WWcf8y?EJMKkBGNYE?5ZnwcA5Vz6eaY

0-3-10 1-3-0 2-0-0 0_T3-10

Scale = 1:30.0



	8-3-10 8-3-10		3-10 10-3-10 -0-0 1-0-0		3-7-4 3-10
Plate Offsets (X,Y)	[1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-	8,Edge]			
LOADING (psf)	SPACING- 1-7-3	CSI.	DEFL.	in (loc) I/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.42	Vert(LL)	-0.26 18-19 >832 480	MT20 244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.84	Vert(CT)	-0.37 18-19 >603 360	MT20HS 187/143
BCLL 0.0	Rep Stress Incr YES	WB 0.49	Horz(CT)	0.06 14 n/a n/a	
BCDL 5.0	Code IRC2021/TPI2014	Matrix-SH	, ,		Weight: 97 lb FT = 20%F, 11%E
					-

LUMBER-

TOP CHORD 2x4 SP No.1(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. (lb/size) 24=807/0-3-8 (min. 0-1-8), 14=807/Mechanical

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

TOP CHORD 2-3=-1153/0, 3-4=-2517/0, 4-5=-2517/0, 5-6=-3276/0, 6-7=-3528/0, 7-8=-3276/0, 8-9=-2517/0, 9-10=-2517/0,

10-11=-2517/0, 11-12=-1153/0

BOT CHORD 23-24=0/357, 22-23=0/1927, 21-22=0/3018, 20-21=0/3018, 19-20=0/3528, 18-19=0/3528, 17-18=0/3528, 16-17=0/3018,

15-16=0/1927, 14-15=0/357

WEBS 6-20=-540/18, 5-20=0/429, 5-22=-640/0, 3-22=0/753, 3-23=-1007/0, 2-23=0/1036, 2-24=-942/0, 7-17=-540/18,

8-17=0/429, 8-16=-640/0, 11-16=0/753, 11-15=-1007/0, 12-15=0/1036, 12-14=-942/0

NOTES-(6-7)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are MT20 plates unless otherwise indicated.
- 3) All plates are 3x4 MT20 unless otherwise indicated.
- 4) Refer to girder(s) for truss to truss connections.
- 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

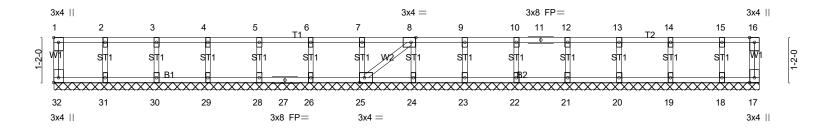
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	LOT 0.0109 BLAKE POND 101 FROST MEADOW WAY LILLINGTON, NC
24-5147-F02	F221	Floor Supported Gable	1	1	lob Reference (ontional) # 49570

Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jun 13 17:19:23 2024 Page 1 ID:gUCksxzC6J7HT2yGkHFINYyiOvf-XVruwea84lm5WWcf8y?EJMKqlGaZE6lZnwcA5Vz6eaY

Scale = 1:29.9



L			18-3-10 18-3-10			
Plate Offsets (X,Y) [1:Edge,0-1-8], [8:0-1-8,Edge], [25:0-1-8,Edge], [32:Edge,0-1-8]						
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. in (Vert(LL) n/a Vert(CT) n/a Horz(CT) -0.00	- n/a 9 - n/a 9	-	GRIP 244/190 FT = 20%F. 11%E

LUMBER-

TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.1(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 18-3-10.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 29, 28, 26, 25, 24, 23, 22, 21, 20, 19, 18

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

NOTES- (6-7)

- 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) 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) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
- 7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S) Standard

