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 #: 26655 JOB: 21-1986-F02

JOB NAME: LOT 1153 CARRIAGE CIRCLE

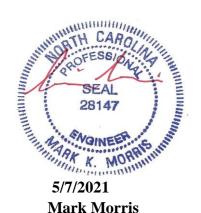
Wind Code: N/A

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

8 Truss Design(s)

Trusses:

F01, F02, F03, F04, F06, F07, F08, F09



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

Job	Truss	Truss Type	Qty	Ply	LOT 1153 CARRIAGE CIRCLE 156 SPRUCE HOLLOW CIRCLE SPRING LAK
21-1986-F02	F01	Floor	15	1	Job Reference (optional) # 26655

8.430 s Feb 12 2021 MiTek Industries, Inc. Fri May 7 16:58:39 2021 Page 1 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-urDjCQ5I_fsmzfSL1DZ6QH0hYIXy7IMTiUaz2_zIrM_

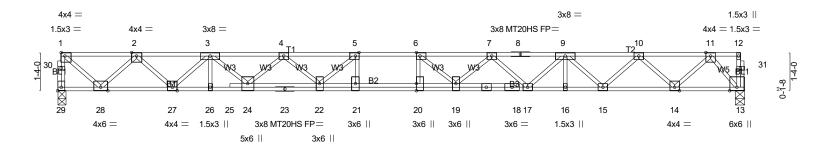
Structural wood sheathing directly applied or 4-11-11 oc purlins,

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

0-1-8 H | 1-3-0

2-0-0

0-11-00-1-8 Scale = 1:40.1



11-6-0 12-6-0 10₋6-0 0-1-8 10-4-8 23-11-0 1-0-0

Plate Offsets (X,Y)	Plate Offsets (X,Y) [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [20:0-3-0,0-0-0], [29:Edge,0-1-8]							
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 0.68	Vert(LL) -0.47 20 >601 480	MT20 244/190				
TCDL 10.0	Lumber DOL 1.00	BC 0.92	Vert(CT) -0.65 20 >437 360	MT20HS 187/143				
BCLL 0.0	Rep Stress Incr YES	WB 0.67	Horz(CT) 0.09 13 n/a n/a					
BCDL 5.0	Code IRC2018/TPI2014	Matrix-SH	, ,	Weight: 138 lb FT = 0%F, 0%E				

BRACING-

TOP CHORD

BOT CHORD

except end verticals

2-2-0 oc bracing: 17-19.

LUMBER-

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

WEBS 2x4 SP No.3(flat)

REACTIONS. (lb/size) 29=1036/0-3-8 (min. 0-1-8), 13=1036/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 29-30=-1031/0, 1-30=-1029/0, 1-2=-1081/0, 2-3=-2772/0, 3-4=-4179/0, 4-5=-5007/0, 5-6=-5313/0, 6-7=-5141/0,

7-8=-4344/0, 8-9=-4344/0, 9-10=-3263/0, 10-11=-1760/0

BOT CHORD 27-28=0/2046, 26-27=0/3492, 25-26=0/3492, 24-25=0/3487, 23-24=0/4707, 22-23=0/4707, 21-22=0/5313, 20-21=0/5313,

19-20=0/5313, 18-19=0/4847, 17-18=0/4846, 16-17=0/3924, 15-16=0/3924, 14-15=0/2620, 13-14=0/877

WEBS 5-21=-228/336, 6-20=-288/264, 5-22=-720/90, 4-22=0/492, 4-24=-715/0, 3-24=0/913, 3-27=-979/0, 2-27=0/1009,

 $2-28 = -1342/0, \ 1-28 = 0/1397, \ 6-19 = -592/200, \ 7-19 = 0/483, \ 7-17 = -699/0, \ 9-17 = 0/571, \ 9-15 = -898/0, \ 10-15 = 0/895, \ 9-17 = 0/483, \ 10-15 = 0/895, \ 10-1$ 10-14=-1196/0. 11-14=0/1227. 11-13=-1343/0

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) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced
- 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

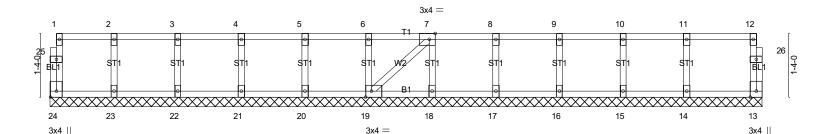


Job	Truss	Truss Type	Qty	Ply	LOT 1153 CARRIAGE CIRCLE 156 SPRUCE HOL	LOW CIRCLE SPRING LA	Œ, N
21-1986-F02	F02	Floor Supported Gable	2	1	Job Reference (optional)	# 26655	

8.430 s Feb 12 2021 MiTek Industries, Inc. Fri May 7 16:58:40 2021 Page 1 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-M1m5Qm6wlz_dbp1Yaw4LzUZ?mi5SsMScx8JXZQzlrLz

0₁1₇8

Scale: 1/2"=1"



14-11-0 14-11-0 Plate Offsets (X,Y)-- [7:0-1-8,Edge], [19:0-1-8,Edge], [24:Edge,0-1-8] LOADING (psf) CSI. SPACING-DEFL. PLATES **GRIP** 2-0-0 in (loc) I/defl I/d **TCLL** 40.0 Plate Grip DOL 1.00 TC 0.07 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 **BCLL** YES WB 0.04 0.00 0.0 Rep Stress Incr Horz(CT) 13 n/a n/a BCDL Code IRC2018/TPI2014 Weight: 68 lb FT = 0%F, 0%E Matrix-SH

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 14-11-0.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 24, 13, 23, 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)

LUMBER-

0₁1₇8

- 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) 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

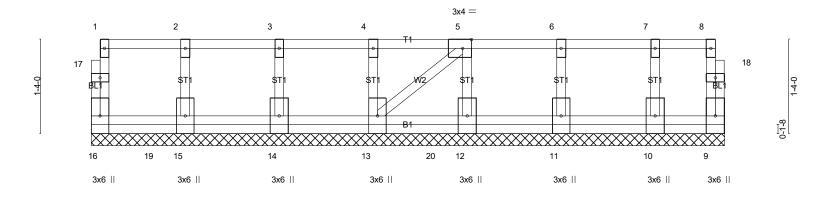


Job Truss Truss Type LOT 1153 CARRIAGE CIRCLE | 156 SPRUCE HOLLOW CIRCLE SPRING LAKE, N 21-1986-F02 F03 GABLE # 26655 Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Fri May 7 16:58:41 2021 Page 1 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-qEKTd57YVG6UCzck8dbaVi6Ad6RUbpmm9o345tzIrLy

0₁1₇8

Scale = 1:16.3



<u> </u>	1-4-0 2-8-0 1-4-0 1-4-0	4-0-0 1-4-0	5-4-0 1-4-0	6-8-0 1-4-0	8-0-0 1-4-0	8-11-12 0-11-12
Plate Offsets (X,Y)	[5:0-1-8,Edge]		T			
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr NO	CSI. TC 0.07 BC 0.02 WB 0.03	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl n/a - n/a n/a - n/a 0.00 9 n/a	L/d 999 999 n/a	PLATES GRIP MT20 244/190
BCDL 5.0	Code IRC2018/TPI2014	Matrix-P	11012(01)	5.00 5 H/d	11/4	Weight: 56 lb FT = 0%F, 0%E

LUMBER-

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

0_1_8

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 8-11-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 16, 9, 15, 14, 13, 12, 11, 10

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

(10-11)

- 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) Load case(s) 1, 2 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this
- 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 68 lb down at 0-11-0, 68 lb down at 2-11-0, and 68 lb down at 4-11-0, and 68 lb down at 6-11-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 10) 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.
- 11) 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: 9-16=-10, 1-8=-100

Concentrated Loads (lb) Vert: 14=-68(F) 11=-68(F) 19=-68(F) 20=-68(F)

2) Dead: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 9-16=-10, 1-8=-100



Job	Truss	Truss Type	Qty	Ply	LOT 1153 CARRIAGE CIRCLE 156 SPRUCE HO	DLLOW CIRCLE SPRING LA	ÅΚΕ,
21-1986-F02	F03	GABLE	1	1	Job Reference (optional)	# 26655	

8.430 s Feb 12 2021 MiTek Industries, Inc. Fri May 7 16:58:42 2021 Page 2 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-IQurrR8AGaELq7BwiL7p2veLMWnjKG0vOSodeJzIrLx

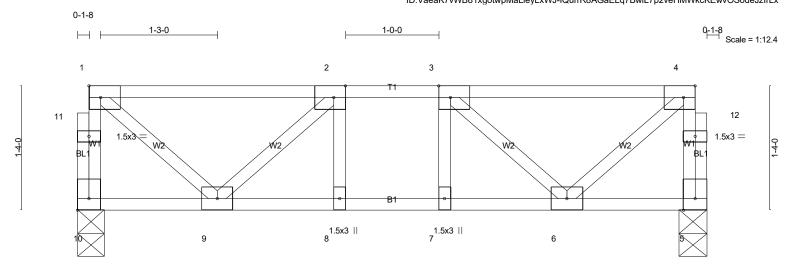
LOAD CASE(S) Standard Concentrated Loads (lb)

Vert: 14=-68(F) 11=-68(F) 19=-68(F) 20=-68(F)



Job Truss Type Truss LOT 1153 CARRIAGE CIRCLE | 156 SPRUCE HOLLOW CIRCLE SPRING LAKE, N Floor 21-1986-F02 F04 # 26655 Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Fri May 7 16:58:42 2021 Page 1 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-IQurrR8AGaELq7BwiL7p2veHMWkcKEwvOSodeJzIrLx



6-9-0 Plate Offsets (X Y)-- [2:0-1-8 Edge] [3:0-1-8 Edge] [4:0-1-8 Edge] [10:Edge 0-1-8]

riale Olisels (A, I)	Frate Offices (A, 1) [2.0-1-0,Edge], [0.0-1-0,Edge], [4.0-1-0,Edge], [10.Edge,0-1-0]								
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP					
TCLL 40.0	Plate Grip DOL 1.00	TC 0.32	Vert(LL) -0.02 8-9 >999 480	MT20 244/190					
TCDL 10.0	Lumber DOL 1.00	BC 0.22	Vert(CT) -0.02 8-9 >999 360						
BCLL 0.0	Rep Stress Incr YES	WB 0.17	Horz(CT) 0.00 5 n/a n/a						
BCDL 5.0	Code IRC2018/TPI2014	Matrix-SH	. ,	Weight: 39 lb FT = 0%F, 0%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) 10=351/0-3-8 (min. 0-1-8), 5=351/0-3-8 (min. 0-1-8)

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

TOP CHORD 10-11=-346/0, 1-11=-345/0, 5-12=-346/0, 4-12=-345/0, 1-2=-273/0, 2-3=-510/0, 3-4=-273/0

BOT CHORD 8-9=0/510, 7-8=0/510, 6-7=0/510

WEBS 1-9=0/347, 4-6=0/347, 2-9=-323/0, 3-6=-323/0

NOTES-(5-6)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) 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) 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

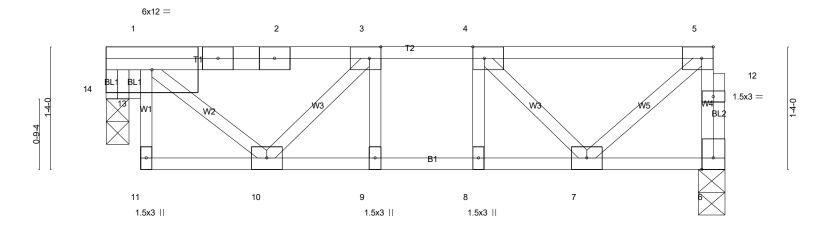


Job Truss Truss Truss Truss Type Qty Ply LOT 1153 CARRIAGE CIRCLE | 156 SPRUCE HOLLOW CIRCLE SPRING LAKE, N
21-1986-F02 F06 Floor 1 1 1 Job Reference (optional) # 26655

8.430 s Feb 12 2021 MiTek Industries, Inc. Fri May 7 16:58:43 2021 Page 1 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-mcSD2n8o1uMCSHm7G2e2a7BQEw4F3h93d6YBAlzIrLw

1-3-0 1-1-6 1-0-0 1-1-6 0-1-8

Scale = 1:12.5



6-8-12 6-8-12

Plate Of	Plate Offsets (X,Y) [3:0-1-8,Edge], [4:0-1-8,Edge] [5:0-1-8,Edge]											
LOADIN	G (psf)	SPACING- 2	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	ã0.Ó	Plate Grip DOL	1.00	TC	0.51	Vert(LL)	-0.01	` ģ	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.19	Vert(CT)	-0.02	9	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	6	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI	2014	Matri	x-P	, ,					Weight: 41 lb	FT = 0%F, 0%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 6-0-0 oc purlins, except

end verticals.

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

REACTIONS. (lb/size) 6=346/0-3-8 (min. 0-1-8), 14=326/0-3-0 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 6-12=-341/0, 5-12=-341/0, 1-2=-305/0, 2-3=-301/0, 3-4=-484/0, 4-5=-274/0

BOT CHORD 9-10=0/484, 8-9=0/484, 7-8=0/484

WEBS 1-10=0/304, 5-7=0/349, 3-10=-263/0, 4-7=-301/0, 1-14=-402/0

NOTES- (7-8)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 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) 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



5/7/2021

Job Truss Type LOT 1153 CARRIAGE CIRCLE | 156 SPRUCE HOLLOW CIRCLE SPRING LAKE, N Truss 21-1986-F02 F07 Floor Supported Gable # 26655 lob Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Fri May 7 16:58:44 2021 Page 1 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-Fp0cG79QoBU33RLJpm9H7KkhoJTPoASCrmHkiCzIrLv

0_1_8

Scale = 1:14.7

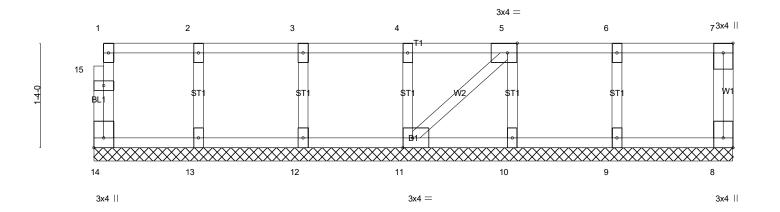


Plate Offsets (X,Y)-- [5:0-1-8,Edge], [8:Edge,0-1-8], [11:0-1-8,Edge], [14:Edge,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.00	TC 0.07	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 8 n/a n/a	
BCDL 5.0	Code IRC2018/TPI2014	Matrix-P	, ,	Weight: 41 lb FT = 0%F, 0%E

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 6-0-0 oc purlins, except

end verticals

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

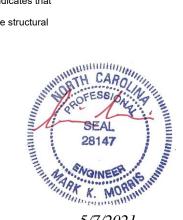
REACTIONS. All bearings 8-1-12.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 14, 8, 13, 12, 11, 10, 9

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

- 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.
- CAUTION, Do not erect truss backwards.
- 8) 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.
- 9) 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 Type Truss LOT 1153 CARRIAGE CIRCLE | 156 SPRUCE HOLLOW CIRCLE SPRING LAKE, N 21-1986-F02 F08 Floor Supported Gable # 26655 lob Reference (optional) 8.430 s Feb 12 2021 MiTek Industries, Inc. Fri May 7 16:58:45 2021 Page 1 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-j?a_TTA2ZVcwhawVNTgWgYGtijofXdkL4Q1IEezIrLu 0-1-8 Scale = 1:11.7 3x4 = 1 3x4 || 2 3 4 5 13 12 11 10 9 8 3x4 || 3x4 II 3x4 =

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

LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.06 BC 0.01 WB 0.03	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 7 n/a n/a	PLATES GRIP MT20 244/190
BCDL 5.0	Code IRC2018/TPI2014	Matrix-P	11012(01) 0.00 7 11/4 11/4	Weight: 34 lb FT = 0%F, 0%E

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 6-0-0 oc purlins, except

end verticals

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

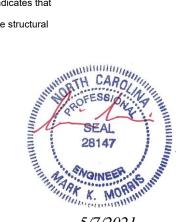
REACTIONS. All bearings 6-5-4.

(lb) - Max Grav All reactions 250 lb or less at joint(s) 12, 7, 11, 10, 9, 8

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

- 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.
- CAUTION, Do not erect truss backwards.
- 8) 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.
- 9) 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





8.430 s Feb 12 2021 MiTek Industries, Inc. Fri May 7 16:58:46 2021 Page 1 ID:VaeaK7vWB81xgotwpMaLleyLxWJ-BB8MgpBhKpknJkVixBBlClpzU7ziG_LVJ4mrn4zIrLt



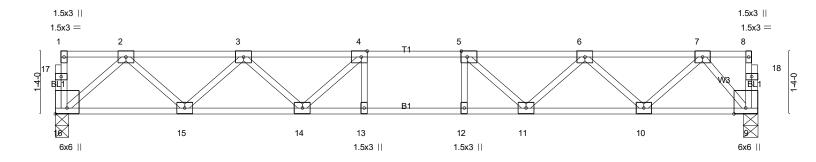


Plate Offsets (X,Y)	6-7-8 6-7-8 [4:0-1-8,Edge], [5:0-1-8,Edge], [16:Ed		7-7-8	14-1 6-3	
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0 BCDL 5.0	SPACING- 2-0-0 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES Code IRC2018/TPI2014	CSI. TC 0.38 BC 0.72 WB 0.39 Matrix-SH	(==)	3 13-14 >999 480 7 13-14 >999 360	PLATES GRIP MT20 244/190 Weight: 77 lb FT = 0%F, 0%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) 16=800/0-3-8 (min. 0-1-8), 9=800/0-3-8 (min. 0-1-8)

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

TOP CHORD 2-3=-1415/0, 3-4=-2194/0, 4-5=-2424/0, 5-6=-2124/0, 6-7=-1266/0

BOT CHORD 15-16=0/855, 14-15=0/1945, 13-14=0/2424, 12-13=0/2424, 11-12=0/2424, 10-11=0/1830, 9-10=0/672

4-14=-489/0, 3-14=0/406, 3-15=-738/0, 2-15=0/778, 2-16=-1136/0, 5-11=-555/0, 6-11=0/449, 6-10=-785/0, 7-10=0/826, WEBS

7-9=-1029/0

NOTES-(5-6)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) All plates are 3x4 MT20 unless otherwise indicated.
- 3) 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) 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

