Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE   207 MILL BEND WAY		
21-4057-F01	F101	Floor Supported Gable	1	1			
					Job Reference (optional)		
Atlantic Building Components, Moncks Corner, South Carolina			8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:56:12 2021 Page 1				
		ID:3tOek	4qXnLTm	NBax9UY	Srlyf11m-pugIFJayTNY0ePgCRGtmED_Hk2HPK0WrvIW7lkyxpT1		



less except when shown.

Scale = 1:37.9



L		2	21-11-10						
		2	21-11-10						
Plate Offsets (X,Y)	[10:0-1-8,Edge], [31:0-1-8,Ed	dge]							
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 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - 20	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 89 lb	GRIP 244/190 FT = 20%F, <sup>-</sup>
LUMBER- TOP CHORD 2x4 3 BOT CHORD 2x4 3 OTHERS 2x4 3 BRACING- TOP CHORD Structural wood sh 6-0-0 oc purlins, e BOT CHORD Rigid ceiling direct bracing. REACTIONS. All be (lb) - Max Grav All reactions 2 joint(s) 38, 20, 33, 32, 31, 30, 2 24, 23, 22, 21	SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) meathing directly applied or xcept end verticals. tly applied or 10-0-0 oc earings 21-11-10. 50 lb or less at 37, 36, 35, 34, 29, 28, 26, 25,	NOTES- (8-9) 1) All plates are 1 otherwise indicat 2) Gable requires bearing. 3) Truss to be ful or securely brace movement (i.e. di 4) Gable studs sp 5) This truss is de the 2018 Internati sections R502.11 referenced stand 6) Recommend 2 spaced at 10-00 truss with 3-10d ( Strongbacks to b outer ends or res 7) CAUTION Dep	.5x3 MT20 unke ed. continuous bo dagainst later agonal web). baced at 1-4-0 o esigned in acci- tional Residenti .1 and R802.10 ard ANSI/TPI 1 x6 strongbacks oc and fastene (0.131" X 3") na e attached to v trained by othe	ess ofform one al oc. ordanc al Cod .2 and .2 and s, on ee ed to ea ails. valls at er meal	chord face e with e dge, ach t their ns.	8) Gr dc or Sy m 9) Be re cc cc tru LOA Sta	aphical v les not de ientation mbol onl ust be bra earing syn presentat ndition. E nsidered uss to sup D CASE(S ndard	veb bracing represe epict the size, type of the brace on th y indicates that th aced. mbols are only gra- tions of a possible Bearing symbols a in the structural o oport the loads ince S)	sentation or the e web. e member phical bearing re not lesign of the licated.
FORCES. (Ib) Max. Comp./Max. 1	۲en All forces 250 (Ib) or	I J CAUTION, DOI		DACKW	aius.				





	14-8-10 14-8-10						2	:1-11-10 7-3-0				
LOADING (p TCLL 4 TCDL 1 BCLL BCDL	psf) 40.0 10.0 0.0 5.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code IRC2018/TF	1-7-3 1.00 1.00 YES Pl2014	CSI. TC BC WB Matri	0.41 0.36 0.41 x-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.10 -0.14 0.02	(loc) 22 22 17	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20 Weight: 110 lb	GRIP 244/190 FT = 20%F,

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 6-0-0 oc bracing.

REACTIONS. (Ib/size)

		· · · · ·
25	=	523/0-7-14 (min. 0-1-8)
13	=	81/0-2-4 (min. 0-1-8)
17	=	1301/0-4-8 (min. 0-1-8)
Max	Uplift	
13	=	-130(LC 3)
Max	Grav	
25	=	532(LC 3)
13	=	232(LC 4)
17	=	1301(LC 1)

FORCES. (Ib) Max. Comp./Max. Ten. - All forces 250 (Ib) or Commexcepts/bagebown. **TOP CHORD** 25-26=-527/0, 1-26=-526/0, 1-2=-704/0, 2-3=-1592/0, 3-4=-1859/0, 4-5=-1859/0, 5-6=-1415/0, 6-7=-1415/0, 7-8=-382/34, 8-9=0/1384, 9-10=0/1299, 10-11=-312/623 **BOT CHORD** 23-24=0/1316, 22-23=0/1839, 21-22=0/1755, 20-21=0/1048, 19-20=-443/0, 18-19=-443/0, 17-18=-1841/0, 16-17=-1807/0, 15-16=-936/226, 14-15=-342/369 WEBS 9-17=-1259/0, 1-24=0/801, 2-24=-747/0. 2-23=0/337. 3-23=-302/0, 5-21=-428/0, 7-21=0/461, 7-20=-833/0, 8-20=0/868, 8-18=-1158/0, 9-18=0/808, 9-16=0/778, 10-16=-733/0, 10-15=0/382, 11-15=-342/0, 11-14=-271/271

NOTES- (8-9)

1) Unbalanced floor live loads have been considered for this design. 2) All plates are 3x4 MT20 unless otherwise indicated. 3) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 13. 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint 13. 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.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE   207 MILL BEND WA
21-4057-F01	F102	Floor	9	1	
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:56:13 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-H5EgTfaaEggtGYFP?\_O?nQXM1SY83Nn?8yFgHAyxpT0

- NOTES- (8-9) 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	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE   207 MILL BEND WA
21-4057-F01	F103	Floor	1	1	Job Reference (optional)
Atlantic Building Com	ponents, Moncks Corne	r, South Carolina 8.4 ID:3tO	130 s Feb 1 eK4qXnLTmN	2 2021 N IBax9UYS	MiTek Industries, Inc. Thu Jul 15 13:56:15 2021 Page 1 Srlyf11m-DTMRtKcrmlwbVsPn6PQTsrchbFEfXGHHbGknL3yxpT_
0-1-8					
<b>  1-3-0</b>					0-5-10 0-10-12 Scale = 1:36.3



	ļ		14-8-10				20-11-14	
	14-8-10					6-3-4		
LOADING TCLL TCDL BCLL	G (psf) 40.0 10.0 0.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00 Rep Stress Incr YES	CSI. TC 0.40 BC 0.36 WB 0.41	DEFL. in (lo Vert(LL) -0.10 Vert(CT) -0.13 Horz(CT) 0.02	c) I/defl 21 >999 21 >999 16 n/a	L/d 480 360 n/a	PLATES MT20	GRIP 244/190
BCDL	5.0	Code IRC2018/TPI2014	Matrix-SH				Weight: 105 lb	FT = 20%F,

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 6-0-0 oc bracing.

#### REACTIONS. (lb/size)

24	=	523/0-7-14 (min. 0-1-8)
16	=	1295/0-4-8 (min. 0-1-8)
13	=	1/0-8-0 (min. 0-1-8)
Max	Uplift	
13	=	-183(LC 3)
Max	Grav	
24	=	529(LC 3)
16	=	1295(LC 1)
13	=	183(LC 4)
		· · ·

FORCES. (Ib) Max. Comp./Max. Ten. - All forces 250 (Ib) or Commexcepts/bagebown. **TOP CHORD** 24-25=-525/0, 1-25=-523/0, 1-2=-700/0, 2-3=-1579/0, 3-4=-1838/0, 4-5=-1838/0, 5-6=-1387/0, 6-7=-1387/0, 7-8=-345/0, 8-9=0/1382, 9-10=0/1300, 10-11=-194/541 **BOT CHORD** 22-23=0/1307, 21-22=0/1822, 20-21=0/1730, 19-20=0/1016, 18-19=-441/0, 17-18=-441/0, 16-17=-1840/0, 15-16=-1806/0, 14-15=-895/167 WEBS 9-16=-1253/0, 1-23=0/796, 2-23=-742/0. 2-22=0/332. 3-22=-297/0, 5-20=-427/0, 7-20=0/461, 7-19=-832/0, 8-19=0/868, 8-17=-1163/0, 9-17=0/811, 9-15=0/769, 10-15=-725/0, 10-14=0/431, 11-14=-391/5, 11-13=-250/291

NOTES- (7-8)

1) Unbalanced floor live loads have been considered for this design. 2) All plates are 3x4 MT20 unless otherwise indicated. 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 183 lb uplift at joint 13. 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.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE   207 MILL BEND WAY
21-4057-F01	F103	Floor	1	1	
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:56:15 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-DTMRtKcrmlwbVsPn6PQTsrchbFEfXGHHbGknL3yxpT\_

- NOTES- (7-8) 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 0.0063 OLDE MILL VILLAGE   207 MILL BEND WAY
21-4057-F01	F104	Floor	6	1	Job Reference (optional)
Atlantic Building Com	ponents, Moncks Corne	r, South Carolina 8.430 ID:3tOek	s Feb 1 4qXnLTn	2 2021 N NBax9U	liTek Industries, Inc. Thu Jul 15 13:56:16 2021 Page 1 (Srlyf11m-hgwp5gdTXb2S70_zg6yiO29sKfZuGjXRqwUKtVyxpSz
0-1-8					
<b>  1-3-0</b>				0-	5-10 0-10-0-0-13-8 Scale = 1:37.4



1	14-8-10					1	20-11-12		
	14-8-10					6-3-2			
Plate Offsets (X,Y)	[26:0-1-8,0-0-8]								
LOADING (psf) TCLL 40.0 TCDL 10.0	SPACING- 1-7-3 Plate Grip DOL 1.00 Lumber DOL 1.00	CSI. TC 0.40 BC 0.36	DEFL. Vert(LL) Vert(CT)	in -0.10 -0.13	(loc) 21 21	l/defl >999 >999	L/d 480 360	PLATES MT20	GRIP 244/190
BCDL 5.0	Code IRC2018/TPI2014	Matrix-SH	norz(C1)	0.02	10	nva	n/a	Weight: 105 lb	FT = 20%F,
LUMBER- TOP CHORD 2x4 BOT CHORD 2x4 WEBS 2x4 BRACING- TOP CHORD Structural wood sl 6-0-0 oc purlins, e BOT CHORD Rigid ceiling direct bracing.	SP No.1(flat) SP No.1(flat) SP No.3(flat) neathing directly applied or xcept end verticals. tly applied or 6-0-0 oc	TOP CHORD 24-25=-525/0, 1-2 1-2=-699/0, 2-3=-1 3-4=-1838/0, 4-5=- 5-6=-1386/0, 6-7=- 7-8=-345/0, 8-9=0/ 9-10=0/1300, 10-1 BOT CHORD 22-23=0/1307, 21- 20-21=0/1730, 19-	5=-523/0, 1579/0, -1838/0, -1386/0, /1382, 1=-193/540 22=0/1822, 20-0/1015			WEE 9-16 2-23 3-22 7-20 8-19 9-17 10-1 11-1	3S =-1253/0, =-742/0, 2 =-297/0, 5 =0/461, 7- =0/868, 8- =0/811, 9- 5=-725/0, 4=-392/5,	1-23=0/796, 2-22=0/332, 5-20=-427/0, 19=-832/0, 17=-1163/0, 15=0/769, 10-14=0/432, 11-13=-248/290	

**REACTIONS.** (Ib/size) 523/0-7-14 (min. 0-1-8) 1295/0-4-8 (min. 0-1-8) 24 = 16 = 13 -5/0-7-14 (min. 0-1-8) = Max Uplift 13 -184(LC 3) = Max Grav 24 529(LC 3) = 1295(LC 1) 16 = 178(LC 4) 13 =

FORCES. (Ib) Maniference (Ib) or 20-21=0/1730, 19-20=0/1015, 18-19=-441/0, 17-18=-441/0, 16-17=-1841/0, 15-16=-1806/0, 14-15=-894/166 WEBS 9-16=-1253/0, 1-23=0/796, 2-23=-742/0, 2-22=0/332, 3-22=-297/0, 5-20=-427/0, 7-20=0/461, 7-19=-832/0, 8-19=0/868, 8-17=-1163/0, 9-17=0/811, 9-15=0/769, 10-15=-725/0, 10-14=0/432, 11-14=-392/5, 11-13=-248/290

NOTES- (7-8)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 184 lb uplift at joint 13.
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.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE   207 MILL BEND WAY
21-4057-F01	F104	Floor	6	1	
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:56:16 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-hgwp5gdTXb2S70\_zg6yiO29sKfZuGjXRqwUKtVyxpSz

NOTES- (7-8)

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 0.0063 OLDE MILL VILLAG	E   207 MILL BEND WAY
21-4057-F01	F105	Floor	6	1	Job Reference (optional)	
Atlantic Building Com	ponents, Moncks Corne	r, South Carolina 8.430	s Feb 1	2 2021 N	liTek Industries, Inc. Thu Jul 15	13:56:18 2021 Page 1
		ID:3tOeK4c	<sub>I</sub> XnLTmN	Bax9UYS	rlyf11m-d21ZWMej3DIAMK8MnX_AUTE	EDtTGHke6kHEzRxOyxpSx
0-1-8						
<b>  1-3-0</b>				0-	5-10	0-10-0-0-8 Scale = 1:37.4



	14-8-10							1	20			
	14-8-10							1	6-3-2			
Plate Of	isets (X,Y)	[26:0-1-8,0-0-8]										
LOADING TCLL TCDL BCLL	G (psf) 40.0 10.0 0.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	1-4-0 1.00 1.00 YES	CSI. TC BC WB	0.34 0.30 0.34	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.08 -0.11 0.02	(loc) 21 21 16	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20	GRIP 244/190
BCDL	5.0	Code IRC2018/TF	PI2014	Matri	x-SH						Weight: 105 lb	FT = 20%F,

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 6-0-0 oc bracing.

# REACTIONS. (Ib/size)

24	=	436/0-7-14 (min. 0-1-8)
16	=	1080/0-4-8 (min. 0-1-8)
13	=	-4/0-7-14 (min. 0-1-8)
Max	Uplift	
13	=	-154(LC 3)
Max	Grav	
24	=	441(LC 3)
16	=	1080(LC 1)
13	=	148(LC 4)

FORCES. (Ib) Maniference (Ib) or **TOP CHORD** 24-25=-437/0, 1-25=-436/0, 1-2=-583/0, 2-3=-1317/0, 3-4=-1533/0, 4-5=-1533/0, 5-6=-1156/0, 6-7=-1156/0, 7-8=-288/0, 8-9=0/1153, 9-10=0/1084, 10-11=-161/450 **BOT CHORD** 22-23=0/1090, 21-22=0/1519, 20-21=0/1442, 19-20=0/847, 18-19=-368/0, 17-18=-368/0, 16-17=-1535/0, 15-16=-1506/0, 14-15=-745/139 WEBS 9-16=-1044/0. 1-23=0/664. 2-23=-618/0, 2-22=0/277, 5-20=-356/0, 7-20=0/384, 7-19=-694/0, 8-19=0/724, 8-17=-970/0, 9-17=0/676, 9-15=0/641, 10-15=-604/0, 10-14=0/360, 11-14=-327/4

### NOTES- (7-8)

1) Unbalanced floor live loads have been considered for this design. 2) All plates are 3x4 MT20 unless otherwise indicated. 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 13. 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.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE   207 MILL BEND WA
21-4057-F01	F105	Floor	6	1	
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:56:18 2021 Page 2 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-d21ZWMej3DIAMK8MnX\_AUTEDtTGHke6kHEzRxOyxpSx

- NOTES- (7-8) 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.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE   207 MILL BEND WAY
21-4057-F01	F106	Floor	1	1	
					Job Reference (optional)
Atlantic Building Com	ponents. Moncks Corne	r. South Carolina 8.430	s Feb 1	2 2021 N	MiTek Industries, Inc. Thu Jul 15 13:56:19 2021 Page 1

ID:3tOeK4qXnLTmNBax9UYSrlyf11m-5FbxjifLqWQ1\_TiYLEVP0hnOFtWxT1VtWui\_TqyxpSw





	1-6-0	4-0-0	1	9-1-	-8	I	11-7-8	1	14-1-8	14-10-14
	1-6-0	2-6-0		5-1·	-8		2-6-0		2-6-0	0-9-6
Plate Of	fsets (X,Y)	[1:Edge,0-1-8]								
LOADIN TCLL TCDL	G (psf) 40.0 10.0	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.00 1.00	CSI. TC 0.36 BC 0.65	DEFL. Vert(LL) Vert(CT)	in (loc) -0.19 12-13 -0.27 12-13	l/defl >906 >656	L/d 480 360	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0 5.0	Rep Stress Incr Code IRC2018/TF	YES 912014	WB 0.59 Matrix-SH	Horz(CT)	0.05 9	n/a	n/a	Weight: 75 lk	o FT = 20%F,

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.** (Ib/size) 16 800/0-7-14 (min. 0-1-8) = 9 806/0-4-8 (min. 0-1-8) = Max Grav 800(LC 1) 16 = 9 806(LC 1) =

FORCES. (lb) Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 16-17=-794/0, 1-17=-793/0,

**TOP CHORD** 16-17=-794/0, 1-17=-793/0, 8-9=-807/0, 1-2=-1091/0, 2-3=-2584/0, 3-4=-3311/0, 4-5=-3311/0, 5-6=-3148/0, 6-7=-2240/0, 7-8=-551/0 **BOT CHORD** 14-15=0/2047, 13-14=0/3085, 12-13=0/3382, 11-12=0/2879, 10-11=0/1568 WEBS 1-15=0/1243, 2-15=-1168/0, 2-14=0/655, 3-14=-611/0, 3-13=0/271, 5-12=-285/0, 6-12=0/328, 6-11=-780/0, 7-11=0/821, 7-10=-1242/0, 8-10=0/918

NOTES- (5-6) 1) All plates are 3x4 MT20 unless otherwise indicated.

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. 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.





		20	0-11-12						
		20	0-11-12						ļ
Plate Offsets (X,Y)	[10:0-1-8,Edge], [29:0-1-8,E	dgej						1	
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 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 19	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 85 lb	GRIP 244/190 FT = 20%F,
LUMBER- TOP CHORD 2x4 BOT CHORD 2x4 WEBS 2x4 OTHERS 2x4 BRACING- TOP CHORD Structural wood sl 6-0-0 oc purlins, e BOT CHORD Rigid ceiling direct bracing. REACTIONS. All be (lb) - Max Grav All reactions 2 joint(s) 36, 19, 31, 30, 29, 28, 22, 21, 20	SP No.1(flat) SP No.3(flat) SP No.3(flat) SP No.3(flat) heathing directly applied or except end verticals. tly applied or 10-0-0 oc earings 20-11-12. 250 lb or less at 35, 34, 33, 32, 27, 26, 24, 23,	NOTES- (7-8) 1) All plates are 1 otherwise indicat 2) Gable requires bearing. 3) Truss to be full or securely brace movement (i.e. di 4) Gable studs sp 5) This truss is de the 2018 Internati sections R502.11 referenced stand 6) Recommend 22 spaced at 10-0-0 truss with 3-10d ( Strongbacks to b outer ends or res	.5x3 MT20 unle ed. continuous be ly sheathed fro ad against later agonal web). baced at 1-4-0 of esigned in acci- tonal Residenti .1 and R802.10 ard ANSI/TPI 1 x6 strongbacks oc and fastene (0.131" X 3") na e attached to v trained by othe	ess ottom o om one al oc. ordanc ial Cod 0.2 and s, on e ed to e ails. walls a er mea	chord a face ce with le dge, ach t their ns.	7) Gr dc or Sy m 8) Be co co tru LOA Sta	raphical v bes not de ientation mbol onl ust be bra earing syn presentat ndition. E nsidered uss to sup D CASE(S ndard	veb bracing repres epict the size, type of the brace on th y indicates that th aced. mbols are only gra ions of a possible Bearing symbols a in the structural o oport the loads inc S)	sentation e or the e web. e member aphical bearing ire not design of the dicated.
FORCES. (Ib) Max. Comp./Max. ⊺	Ten All forces 250 (lb) or								

less except when shown.



1	1-6-0		4-0-0	I		6-6	5-0		7-7-8	1
	1-6-0		2-6-0	1		2-6	6-0		1-1-8	
LOADING (ps TCLL 40. TCDL 10.	f) SPACING- 0 Plate Grip DOL 0 Lumber DOL	2-0-0 1.00 1.00	CSI. TC 0.28 BC 0.18	DEFL. Vert(LL) Vert(CT	in -0.02 ) -0.02	(loc) 7 7	l/defl >999 >999	L/d 480 360	PLATES MT20	GRIP 244/190
BCDL 5.	0 Code IRC2018/	TPI2014	Matrix-P	1012(C1	, 0.01	5	illa	ıı/a	Weight: 40 lb	FT = 20%F,

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) 9 = 406/0-4-8 (min. 0-1-8) 5 = 406/0-4-8 (min. 0-1-8) Max Grav 9 = 406(LC 1) 5 = 406(LC 1)

FORCES. (lb)

Ξ

Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-9=-400/0, 4-5=-403/0, 1-2=-461/0, 2-3=-832/0, TOP CHORD 1-9=-400/0, 4-5=-403/0, 1-2=-461/0, 2-3=-832/0, 3-4=-357/0 BOT CHORD 7-8=0/852, 6-7=0/775 WEBS 1-8=0/547, 2-8=-477/0, 3-6=-510/0, 4-6=0/474

NOTES- (3-4) 1) 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. 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.

- 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.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLA	GE   207 MIL	L BEND WAY
21-4057-F01	F109	Floor	2	1	Job Reference (optional)		
Atlantic Buildi	ng Components, Monck	s Corner, South Carolina	8.430 s Feb ID:3tOeK4qXnL1	12 2021   mNBax9U	MiTek Industries, Inc. Thu Jul 1 YSrlyf11m-WqH4LkhE7RobrxR70N26	5 13:56:22 2 JeJPwz4ffgUQ	021 Page 1 JCsxe49yxpSt
	0-1-8						
	⊢ 1-3-0				0-11-6	<b>)</b>	Scale = 1:12.4
	1 3x4 =		2 3x4 =		$_{3}$ 3x4 $=$	4 3x4	
-3.8							I
9 9					W3	w1	u-
÷							÷
ļ			B1				l
	8	3x4 = 7		3x4		5	
	3x4					3x6 =	

	1-6-0	1		4-0-	0	1			6-2-6	6-5	-6
	1-6-0			2-6-	0	I			2-2-6	0-3	-0
LOADING (psf) TCLL 40.0 TCDL 10.0 BCLL 0.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.00 1.00 YES	CSI. TC BC WB	0.27 0.14 0.20	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.01 -0.01 0.00	(loc) 6 6-7 5	l/defl >999 >999 n/a	L/d 480 360 n/a	PLATES MT20	GRIP 244/190
BCDL 5.0	Code IRC2018/TP	12014	Matri	ix-P			-			Weight: 34 lb	FT = 20%F,

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)

8 =	335/0-7-14 (min. 0-1-8)
5 =	341/0-4-8 (min. 0-1-8)
Max Grav	
8 =	335(LC 1)
5 =	341(LC 1)

### FORCES. (lb)

Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 8-9=-330/0, 1-9=-329/0, 1-2=-365/0, 2-3=-538/0 TOP CHORD 8-9=-330/0, 1-9=-329/0, 1-2=-365/0, 2-3=-538/0 BOT CHORD 6-7=0/662, 5-6=0/377 WEBS 1-7=0/410, 2-7=-362/0, 3-5=-486/0

## NOTES- (4-5)

 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.
 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.

- 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.
- 5) 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.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE   207 MILL BEND WAY
21-4057-F01	F110	Floor Supported Gable	1	1	
					Job Reference (optional)
Atlantic Building Com	ponents. Moncks Corne	r. South Carolina 8.4	30 s Feb 1	2 2021	MiTek Industries, Inc. Thu Jul 15 13:56:23 2021 Page 1

ID:3tOeK4qXnLTmNBax9UYSrlyf11m-\_0rSZ3isulwST50Ka4aLBXx9wU1uP\_ETRWhCdbyxpSs



Scale = 1:25.8



I			15-0-2						I
			15-0-2						
Plate Offsets (X,Y	) [7:0-1-8,Edge], [20:0-1-8,Ed	ge]							
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. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 14	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL 5.0	Code IRC2018/TPI2014	Matrix-SH		0.00				Weight: 63 lb	FT = 20%F,
LUMBER- TOP CHORD 2x4 BOT CHORD 2x4 WEBS 2x4 OTHERS 2x4 BRACING-	SP No.1(flat) SP No.1(flat) SP No.3(flat) SP No.3(flat)	NOTES- (8-9) 1) All plates are 1 otherwise indicat 2) Gable requires	.5x3 MT20 unk ed. continuous bo	ess ottom o	chord	8) Gr dc or Sy	raphical w bes not de ientation (mbol onl	veb bracing repre epict the size, type of the brace on th y indicates that th acced	sentation e or the ne web. ne member

**TOP CHORD** 

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

**REACTIONS. All bearings 15-0-2.** (lb) - Max Grav All reactions 250 lb or less at

joint(s) 25, 14, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15

FORCES. (lb)

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

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.

- 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.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE   207 MILL BEND WA
21-4057-F01	F111	Floor	10	1	
					Job Reference (optional)

8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:56:24 2021 Page 1 ID:3tOeK4qXnLTmNBax9UYSrlyf11m-SCOgmPjUf32J4FbW8o5ajkUGTuF18KWcgAQI91yxpSr





L	1-6-0	4-0-0			9-1-	8		11-7-8		14-1-8	15-0-2
	1-6-0	2-6-0		-	5-1-	8		2-6-0		2-6-0	0-10-10
LOADING TCLL TCDL	6 (psf) 40.0 10.0	SPACING- Plate Grip DOL Lumber DOL	1-7-3 1.00 1.00	CSI. TC BC	0.27 0.53	DEFL. Vert(LL) Vert(CT)	in (loc) -0.16 12-13 -0.22 12-13	l/defl >999 >805	L/d 480 360	PLATES MT20	GRIP 244/190
BCLL	0.0 5.0	Code IRC2018/TF	PI2014	Matr	0.48 ix-SH	Horz(CT)	0.04 9	n/a	n/a	Weight: 75	lb FT = 20%F,

LUMBER-

TOP CHORD2x4 SP No.1(flat)BOT CHORD2x4 SP No.1(flat)WEBS2x4 SP No.3(flat)BRACING-<br/>TOP CHORDStructural wood sheathing directly applied or6-0-0 oc purlins, except end verticals.BOT CHORDRigid ceiling directly applied or 10-0-0 oc<br/>bracing.

REACTIONS. (lb/size) 16 = 644/0-7-14 (min. 0-1-8) 9 = 649/0-2-4 (min. 0-1-8)

Max	Grav	
16	=	644(LC 1)
9	=	649(LC 1)

FORCES. (Ib)

Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 16-17=-640/0, 1-17=-638/0, 8-9=-648/0, 1-2=-879/0, **TOP CHORD** 16-17=-640/0, 1-17=-638/0, 8-9=-648/0, 1-2=-879/0, 2-3=-2086/0, 3-4=-2680/0, 4-5=-2680/0, 5-6=-2563/0, 6-7=-1852/0, 7-8=-509/0 **BOT CHORD** 14-15=0/1650. 13-14=0/2493. 12-13=0/2744, 11-12=0/2354, 10-11=0/1322 WEBS 1-15=0/1002, 2-15=-941/0, 2-14=0/532, 3-14=-496/0, 6-12=0/255, 6-11=-614/0, 7-11=0/647, 7-10=-992/0, 8-10=0/776

NOTES- (6-7)

 All plates are 3x4 MT20 unless otherwise indicated.
 Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9. 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.

- 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.

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE   207 MILL BEND WAY
21-4057-F01	F112	Floor Supported Gable	1	1	
Atlantic Building Com	ponents, Moncks Corne	r, South Carolina 8.43	) s Feb 1	2 2021 N	Job Reference (optional) MiTek Industries, Inc. Thu Jul 15 13:56:26 2021 Page 1

ID:3tOeK4qXnLTmNBax9UYSrlyf11m-ObWbB5kkAgJ1KYluFC72o9ZgCh3hcLzv7TvsDwyxpSp



Scale = 1:26.1



			15-2-4						1
			15-2-4						
Plate Offsets (X,Y)	[7:0-1-8,Edge], [14:Edge,0-	1-8], [21:0-1-8,Edge	]						
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 0.06 BC 0.01 WB 0.03 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 14	l/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20 Weight: 64 lb	GRIP 244/190 FT = 20%F,
BCDL5.0Code IRC2018/TPI2014MatLUMBER- TOP CHORD 2x4 SP No.1(flat) BOT CHORD 2x4 SP No.3(flat)NOTESBOT CHORD 2x4 SP No.3(flat) OTHERS 2x4 SP No.3(flat)1) All p otherw 2) Gabi bearing 3) Trus or sect movemOTHERS 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.3) Trus or sect movemREACTIONS. All bearings 15-2-4. (lb) - Max Uplift All uplift 100 lb or less at joint(s) 14 Max Grav All reactions 250 lb or less at joint(s) 26, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15MatFORCES. (lb)Max Gram All ference 250 (lb) or Outer e BOT CHOREAll ference 250 (lb) or Strong		NOTES- (9-10) 1) All plates are 1 otherwise indicat 2) Gable requires bearing. 3) Truss to be ful or securely brace movement (i.e. di 4) Gable studs sp 5) Provide mecha others) of truss to withstanding 100 6) This truss is di the 2018 Internati sections R502.11 referenced stand 7) Recommend 2 spaced at 10-0-0 truss with 3-10d 0 Strongbacks to b outer ends or ress 8) CAUTION, Do	.5x3 MT20 unle ed. s continuous be ed against later agonal web). baced at 1-4-0 e anical connection bearing plate b lb uplift at join esigned in acc ional Resident .1 and R802.10 ard ANSI/TPI 1 x6 strongback oc and faster (0.131" X 3") no e attached to v strained by other	ess ottom one ral oc. ion (by capat nt(s) 14 ordanc ial Cod 0.2 and s, on e ed to e ails. walls a er mea backw	chord e face ble of l. ce with le dge, ach t their ns. vards.	9) Gi di or Sy m 10) E r c c t t LOA Sta	raphical v bes not de ientation /mbol onl ust be bra Bearing sy epresenta condition. considere he truss t D CASE( ndard	veb bracing repre- epict the size, type of the brace on th y indicates that th aced. ymbols are only g ations of a possib Bearing symbols d in the structural o support the load	sentation e or the ne web. ne member raphical le bearing are not design of ds indicated.