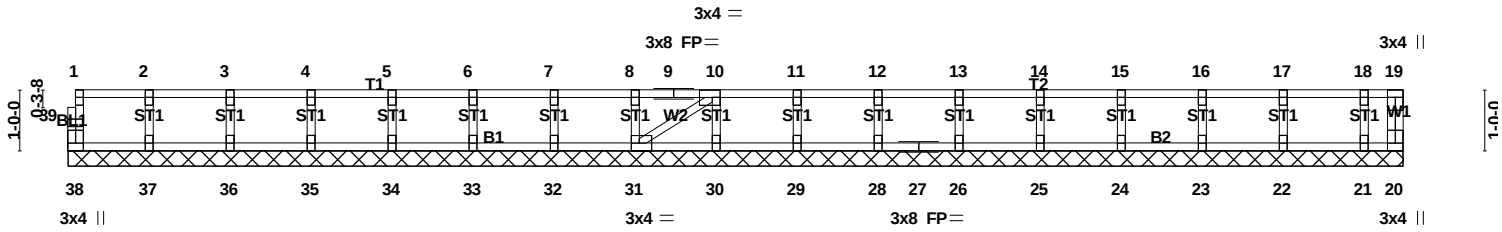
Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F01	F101	Floor Supported Gable	1	1	Job Reference (optional)

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:3tOeK4qXnLTmNBax9UYSrlyf11m-pugIFJayTNY0ePgCRGtmED_Hk2HPK0WrvlW7lkyxpT1

0-1-8

Scale = 1:37.9



21-11-10
21-11-10

Plate Offsets (X,Y)-- [10:0-1-8,Edge], [31:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	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	20	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 89 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)
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 21-11-10.
(lb) - Max Grav
All reactions 250 lb or less at joint(s) 38, 20, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 26, 25, 24, 23, 22, 21

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

NOTES- (8-9)

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.
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.

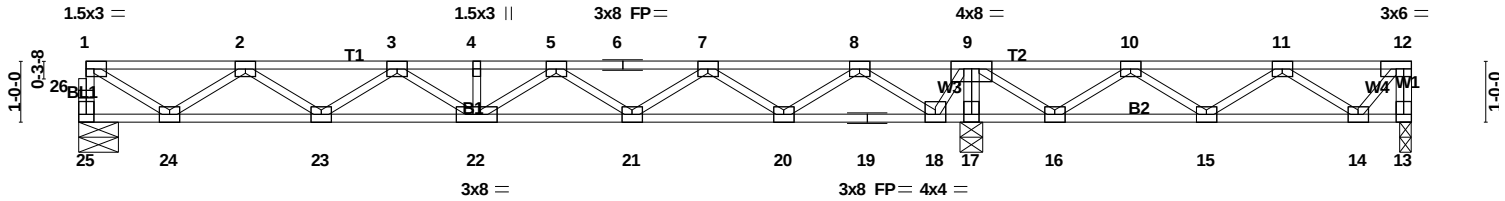
LOAD CASE(S)
Standard

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

0-1-8

1-3-0 0-5-10 0-7-8

Scale = 1:38.0



14-8-10 21-11-10

14-8-10 7-3-0

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.10	22	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.14	22	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.02	17	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 110 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 6-0-0 oc bracing.

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

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.

Continued on page 2

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)

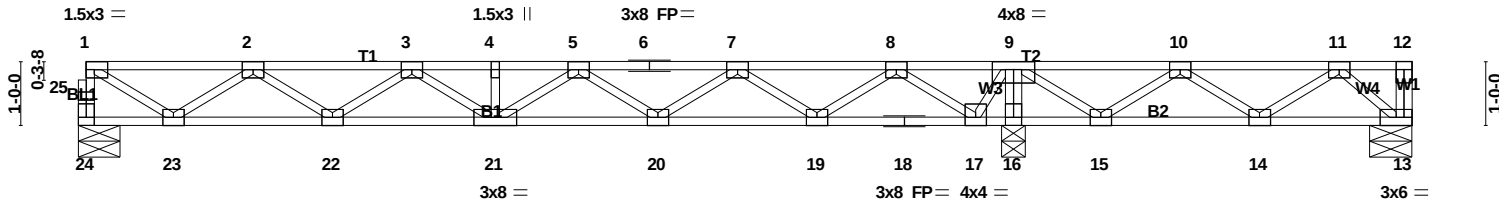
Standard

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

0-1-8

1-3-0 0-5-10 0-10-12

Scale = 1:36.3



14-8-10 20-11-14
14-8-10 6-3-4

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.40	Vert(LL)	-0.10	21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.13	21	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.02	16	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 105 lb	FT = 20%F, 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 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. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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.

Continued on page 2

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 Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:56:16 2021 Page 1
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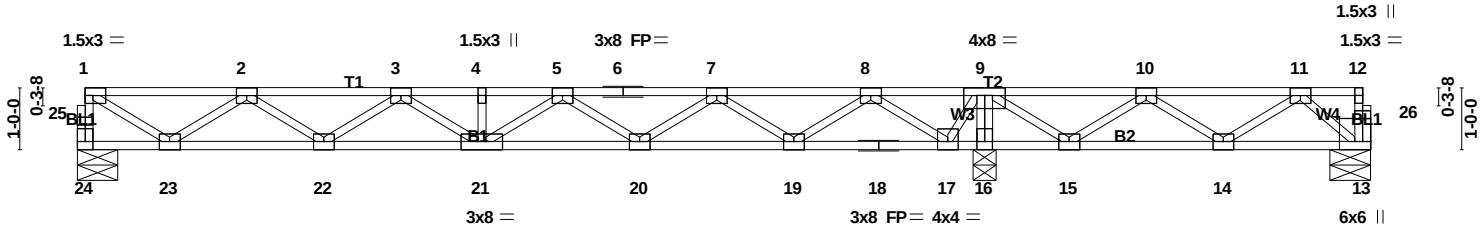
1-3-0 0-5-10 0-10-0 0-1-8

Scale = 1:37.4



14-8-10 20-11-12
14-8-10 6-3-2

Plate Offsets (X,Y)-- [26:0-1-8,0-0-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.40	Vert(LL)	-0.10	21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.36	Vert(CT)	-0.13	21	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.02	16	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 105 lb	FT = 20%F, 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 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 = -5/0-7-14 (min. 0-1-8)
Max Uplift
13 = -184(LC 3)
Max Grav
24 = 529(LC 3)
16 = 1295(LC 1)
13 = 178(LC 4)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or

Continued on page 2

TOP CHORD
24-25=-525/0, 1-25=-523/0,
1-2=-699/0, 2-3=-1579/0,
3-4=-1838/0, 4-5=-1838/0,
5-6=-1386/0, 6-7=-1386/0,
7-8=-345/0, 8-9=0/1382,
9-10=0/1300, 10-11=-193/540
BOT CHORD
22-23=0/1307, 21-22=0/1822,
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

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.

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.

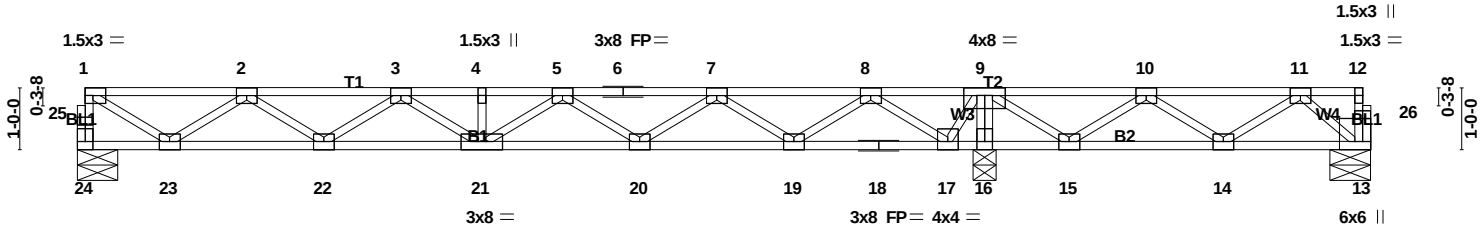
LOAD CASE(S)
Standard

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

0-1-8

1-3-0 0-5-10 0-10-0 0-1-8

Scale = 1:37.4



14-8-10 20-11-12
14-8-10 6-3-2

Plate Offsets (X,Y)-- [26:0-1-8,0-0-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.34	Vert(LL)	-0.08	21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.30	Vert(CT)	-0.11	21	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.02	16	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 105 lb	FT = 20%F, 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 6-0-0 oc bracing.

REACTIONS. (lb/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. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) 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.

Continued on page 2

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	F106	Floor	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:56:19 2021 Page 1

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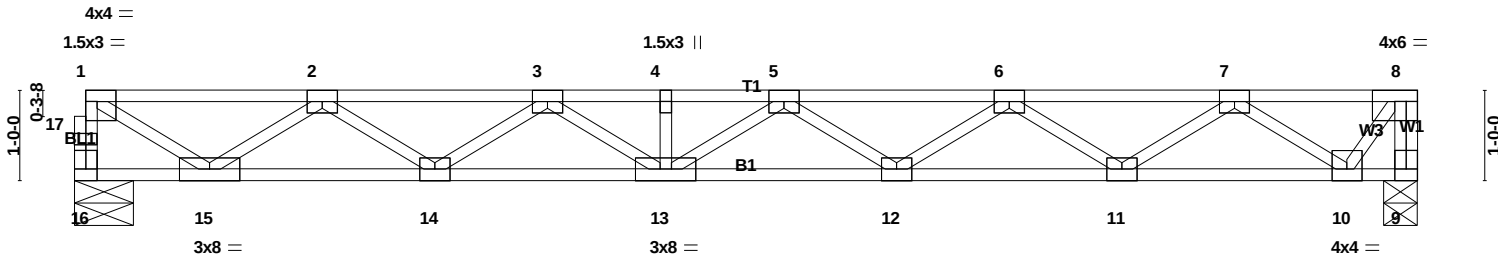
0-1-8

1-3-0

0-6-6

Scale = 1:25.6



1-6-0	4-0-0	9-1-8	11-7-8	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 Offsets (X,Y)-- [1:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.19	12-13	>906	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.65	Vert(CT)	-0.27	12-13	>656	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.05	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 75 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)
16 = 800/0-7-14 (min. 0-1-8)
9 = 806/0-4-8 (min. 0-1-8)
Max Grav
16 = 800(LC 1)
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

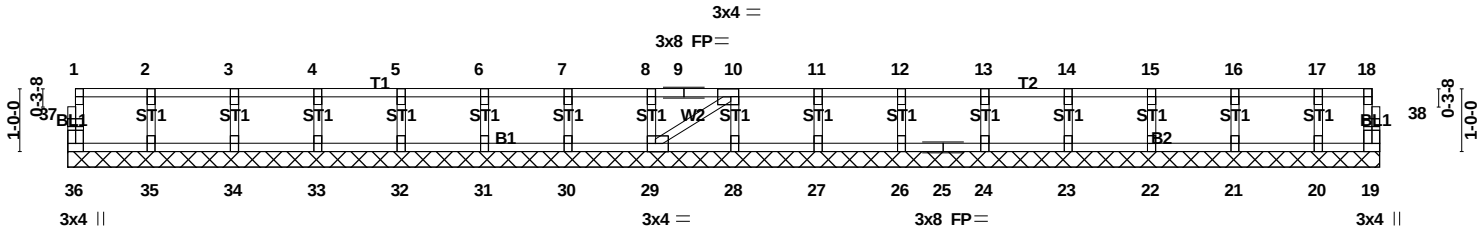
NOTES- (5-6)
1) All plates are 3x4 MT20 unless otherwise indicated.
2) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each 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.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F01	F107	Floor Supported Gable	1	1	Job Reference (optional)

0-1-8 0-1-8

Scale = 1:36.8



20-11-12
20-11-12

Plate Offsets (X,Y)-- [10:0-1-8,Edge], [29:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	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	19	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 85 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)
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 20-11-12.
(lb) - Max Grav
All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 24, 23, 22, 21, 20

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) 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

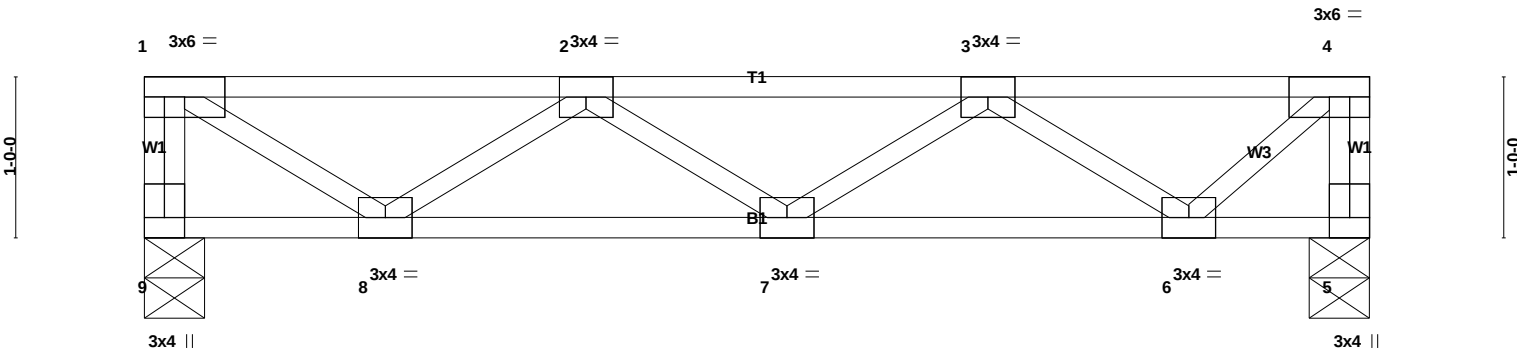
Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F01	F108	Floor	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina — 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:56:21 2021 Page 1

ID:3tOeK4qXnLTmNBax9UYSrlyf11m-2dji8OhcM8gkDnsxTfXt56sl4gKrx09AzCC5YjyxpSu

1-3-0 0-10-8

Scale = 1:14.3



1-6-0	4-0-0	6-6-0	7-7-8
1-6-0	2-6-0	2-6-0	1-1-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.28	Vert(LL)	-0.02	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.18	Vert(CT)	-0.02	7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.01	5	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-P							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)
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.
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 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F01	F109	Floor	2	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:56:22 2021 Page 1
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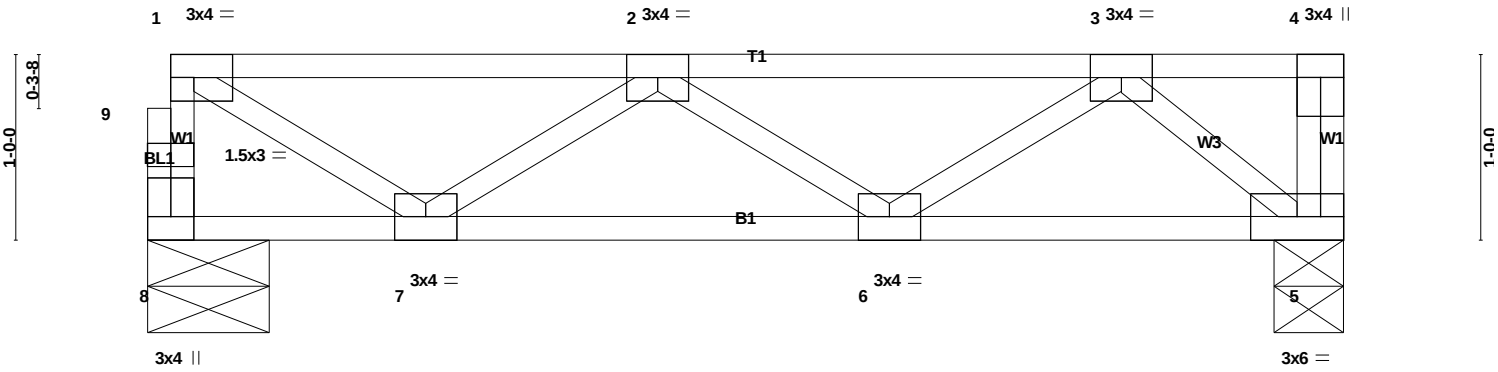
0-1-8

1-3-0

0-11-6

Scale = 1:12.4



1-6-0	4-0-0	6-2-6	6-5-6
1-6-0	2-6-0	2-2-6	0-3-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.01	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.14	Vert(CT)	-0.01	6-7	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-P							Weight: 34 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)
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

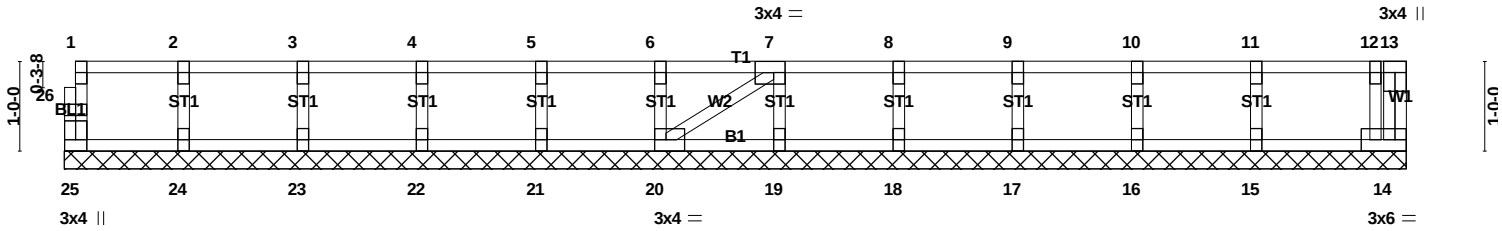
NOTES- (4-5)
1) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be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

LOAD CASE(S)
Standard

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)

0-1-8

Scale = 1:25.8



15-0-2

15-0-2

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [20:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	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	14	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 63 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)
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 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.

NOTES- (8-9)

1) All plates are 1.5x3 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.
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 WAY
21-4057-F01	F111	Floor	10	1	Job Reference (optional)

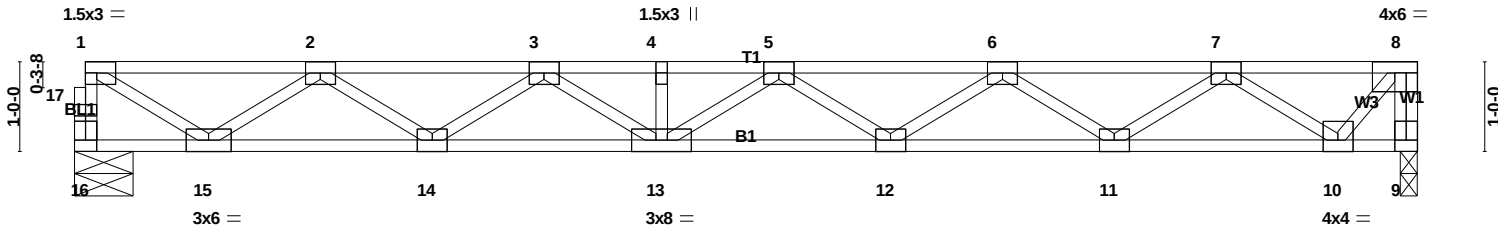
Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:56:24 2021 Page 1
ID:3tOeK4qXnLTmNBax9UYSrlyf11m-SCOqmPjUf32J4FbW8o5ajkUGTuF18KWcgAQl91yxpSr

0-1-8

1-3-0

0-7-10

Scale = 1:25.8



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 (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.16	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.53	Vert(CT)	-0.22	12-13	>805	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 75 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)
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. (lb)
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)
1) All plates are 3x4 MT20 unless otherwise indicated.
2) 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.

LOAD CASE(S)
Standard

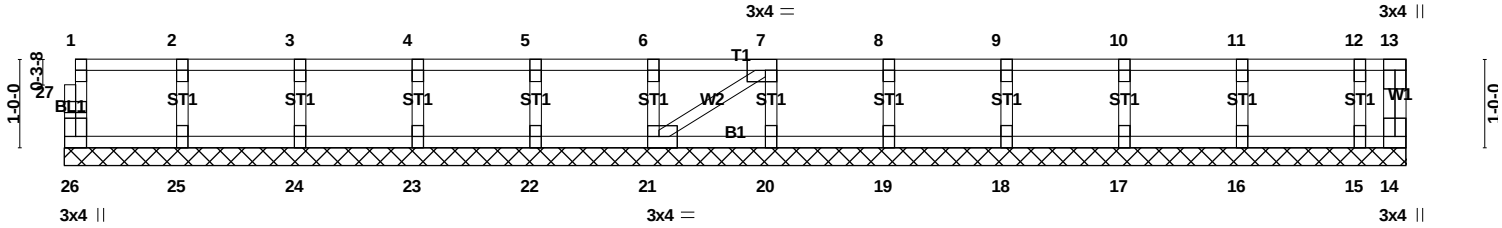
Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F01	F112	Floor Supported Gable	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:56:26 2021 Page 1

ID:3tOeK4qXnLTmNBax9UYSrlyf11m-ObWbB5kkAgJ1KYluFC72o9ZgCh3hcLzv7TvsDwyxpSp

0-1-8

Scale = 1:26.1



15-2-4

15-2-4

Plate Offsets (X,Y)-- [7:0-1-8,Edge], [14:Edge,0-1-8], [21:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.06	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	14	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 64 lb	FT = 20%F, 1

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. 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, 15

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

NOTES- (9-10)

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
8) CAUTION, Do not erect truss backwards.
9) 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.
10) 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