Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F01	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 13:57:01 2021 Page 1

ID:3tOeK4qXnLTmNBax9UYSrlyf11m-tK8qX3AhxQj30wwdp3FFjYWeDo?rJAb3AQuCyOyxpSG

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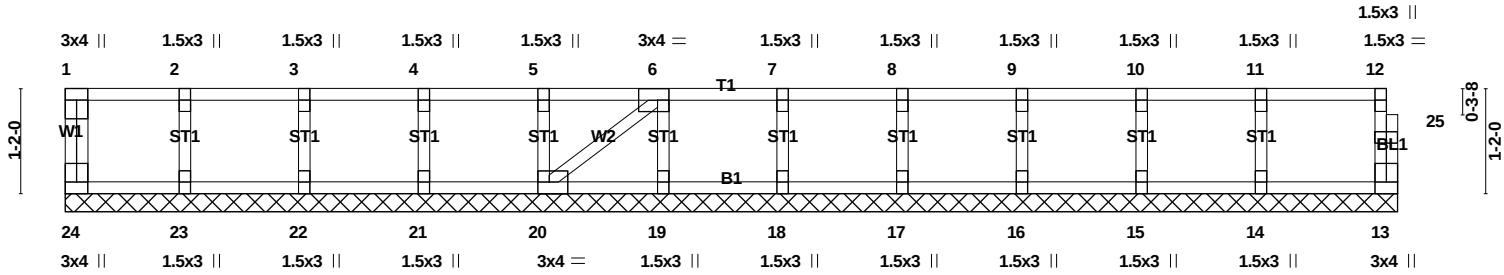

14-10-4

14-10-4

Plate Offsets (X,Y)-- [6:0-1-8,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	0.07	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	13	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 65 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 14-10-4.
(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.

NOTES- (7-10)

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) 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- (7-10)

7) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
9) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
10) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)

Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F02	Floor	5	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:57:02 2021 Page 1
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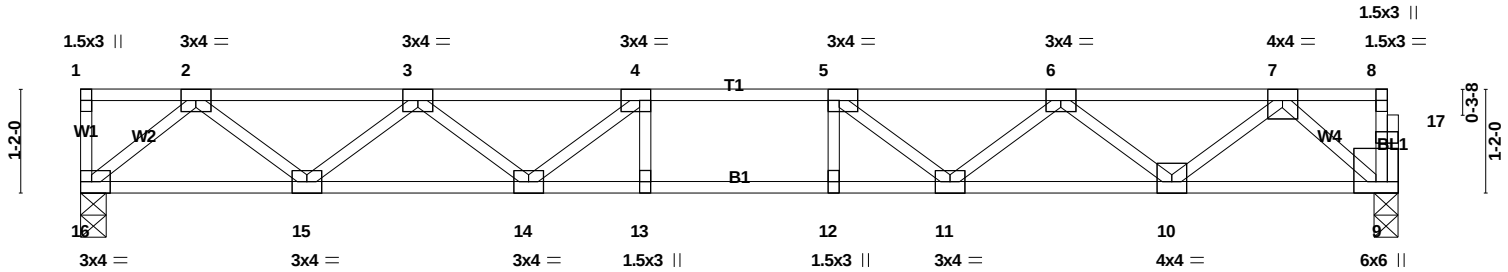

6-5-2 7-5-2 8-5-2 14-10-4
6-5-2 1-0-0 1-0-0 6-5-2

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.36	Vert(LL)	-0.15	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.74	Vert(CT)	-0.20	13-14	>886	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 73 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 10-0-0 oc bracing.

REACTIONS. (lb/size)
9 = 800/0-3-4 (min. 0-1-8)
16 = 807/0-3-8 (min. 0-1-8)
Max Grav
9 = 800(LC 1)
16 = 807(LC 1)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-1570/0, 3-4=-2510/0,
Continued on page 2

TOP CHORD
2-3=-1570/0, 3-4=-2510/0,
4-5=-2810/0, 5-6=-2495/0,
6-7=-1538/0
BOT CHORD
15-16=0/906, 14-15=0/2201,
13-14=0/2810, 12-13=0/2810,
11-12=0/2810, 10-11=0/2176,
9-10=0/866
WEBS
4-14=-560/0, 3-14=0/459,
3-15=-821/0, 2-15=0/864,
2-16=-1184/0, 5-11=-574/0,
6-11=0/467, 6-10=-831/0,
7-10=0/874, 7-9=-1155/0

NOTES- (5-8)
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

NOTES- (5-8)

5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)

Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F03	Floor	4	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:57:04 2021 Page 1

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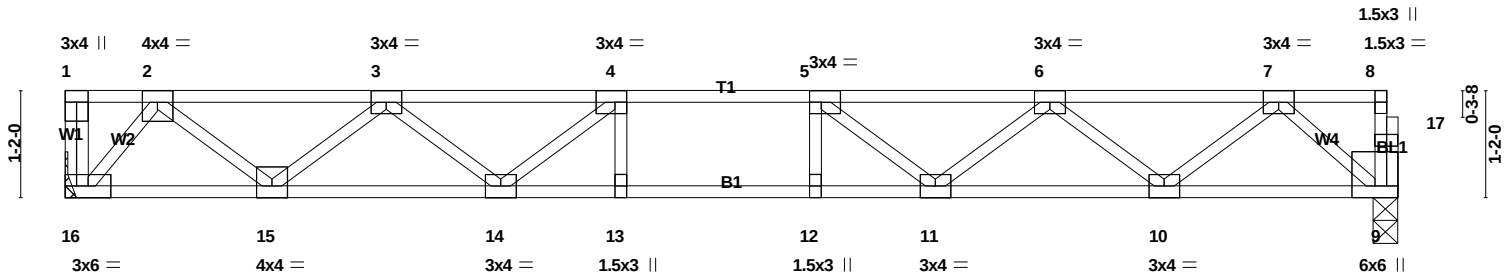

6-1-10 7-1-10 8-1-10 14-6-12

6-1-10 1-0-0 1-0-0 6-5-2

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.14	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.75	Vert(CT)	-0.19	11-12	>894	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 73 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 10-0-0 oc bracing.

REACTIONS. (lb/size)
16 = 787/Mechanical
9 = 781/0-3-4 (min. 0-1-8)
Max Grav
16 = 787(LC 1)
9 = 781(LC 1)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-1343/0, 3-4=-2331/0,
Continued on page 2

TOP CHORD
2-3=-1343/0, 3-4=-2331/0,
4-5=-2674/0, 5-6=-2403/0,
6-7=-1493/0
BOT CHORD
15-16=0/659, 14-15=0/1994,
13-14=0/2674, 12-13=0/2674,
11-12=0/2674, 10-11=0/2111,
9-10=0/843
WEBS
4-14=-589/0, 3-14=0/478,
3-15=-848/0, 2-15=0/890,
2-16=-1018/0, 5-11=-526/0,
6-11=0/437, 6-10=-804/0,
7-10=0/846, 7-9=-1124/0

NOTES- (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

NOTES- (6-9)

6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)

Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F04	Floor	3	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:57:05 2021 Page 1
ID:3tOeK4qXnLTmNBax9UYSrlyf11m-l5NKNRDC?fDVVYDO2vKBtOhDFPB3FtTe52sQ69yxpSC

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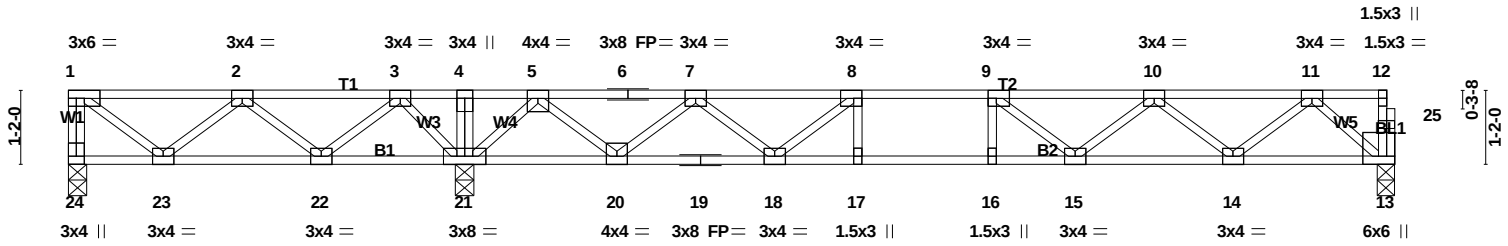
1-3-0 0-10-12 2-0-0 1-0-10
Scale = 1:36.4



14-6-10
6-3-4 12-6-10 13-6-10 20-11-12
6-3-4 6-3-6 1-0-0 1-0-0 6-5-2

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [9:0-1-8,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	0.45	Vert(LL)	-0.15	15-16	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.20	15-16	>893	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.02	13	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 107 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 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 22-23,21-22,20-21.

REACTIONS. (lb/size)
24 = 76/0-3-8 (min. 0-1-8)
21 = 1513/0-3-8 (min. 0-1-8)
13 = 685/0-3-4 (min. 0-1-8)
Max Uplift
24 = -156(LC 4)
Max Grav
24 = 253(LC 3)
21 = 1513(LC 1)
13 = 691(LC 4)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-126/794, 3-4=0/1534, 4-5=0/1534, 5-6=-294/28, 6-7=-294/28, 7-8=-1504/0, 8-9=-2046/0, 9-10=-1976/0, 10-11=-1285/0
BOT CHORD
22-23=-479/338, 21-22=-1135/0, 20-21=-696/0, 19-20=0/1042, 18-19=0/1042, 17-18=0/2046, 16-17=0/2046, 15-16=0/2046, 14-15=0/1808, 13-14=0/737
WEBS
1-23=-297/239, 2-23=-192/315, 2-22=-554/0, 3-22=0/586, 3-21=-783/0, 8-18=-713/0, 7-18=0/612, 7-20=-982/0, 5-20=0/1028, 5-21=-1295/0, 10-15=0/259, 10-14=-681/0,

WEBS
1-23=-297/239, 2-23=-192/315, 2-22=-554/0, 3-22=0/586, 3-21=-783/0, 8-18=-713/0, 7-18=0/612, 7-20=-982/0, 5-20=0/1028, 5-21=-1295/0, 10-15=0/259, 10-14=-681/0, 11-14=0/713, 11-13=-982/0

NOTES- (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 156 lb uplift at joint 24.
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.

Continued on page 2

NOTES- (6-9)

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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F05	Floor	5	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Jul 15 13:57:07 2021 Page 1
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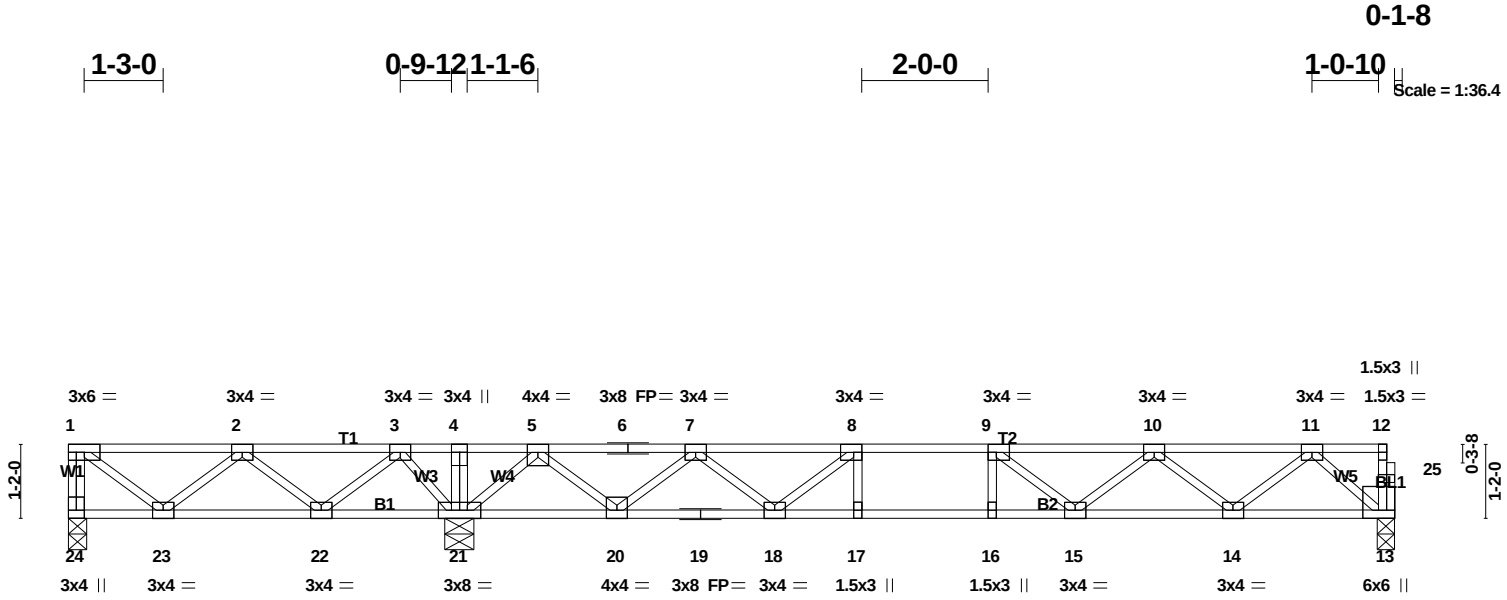

Plate Offsets (X,Y)-- [8:0-1-8,Edge], [9:0-1-8,Edge]

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	0.45	Vert(LL)	-0.15	15-16	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.82	Vert(CT)	-0.20	15-16	>897	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.02	13	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 107 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 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 22-23,21-22,20-21.

REACTIONS. (lb/size)
24 = 62/0-3-8 (min. 0-1-8)
21 = 1524/0-5-8 (min. 0-1-8)
13 = 688/0-3-4 (min. 0-1-8)
Max Uplift
24 = -167(LC 4)
Max Grav
24 = 246(LC 3)
21 = 1524(LC 1)
13 = 693(LC 4)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-2=-182/251, 2-3=-102/834, 3-4=0/1562, 4-5=0/1562, 5-6=-320/1, 6-7=-320/1, 7-8=-1524/0, 8-9=-2062/0, 9-10=-1987/0, 10-11=-1290/0
BOT CHORD
22-23=-506/322, 21-22=-1187/0, 20-21=-667/0, 19-20=0/1065, 18-19=0/1065, 17-18=0/2062, 16-17=0/2062, 15-16=0/2062, 14-15=0/1816, 13-14=0/740
WEBS
9-15=-252/69, 10-15=0/264, 10-14=-684/0, 11-14=0/716, 11-13=-986/0, 1-23=-315/228, 2-23=-182/333, 2-22=-575/0, 3-22=0/605, 3-21=-766/0, 8-18=-709/0, 7-18=0/608,

WEBS
9-15=-252/69, 10-15=0/264, 10-14=-684/0, 11-14=0/716, 11-13=-986/0, 1-23=-315/228, 2-23=-182/333, 2-22=-575/0, 3-22=0/605, 3-21=-766/0, 8-18=-709/0, 7-18=0/608, 7-20=-978/0, 5-20=0/1025, 5-21=-1343/0

NOTES- (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 167 lb uplift at joint 24.
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.

Continued on page 2

NOTES- (6-9)

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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F06	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 13:57:08 2021 Page 1

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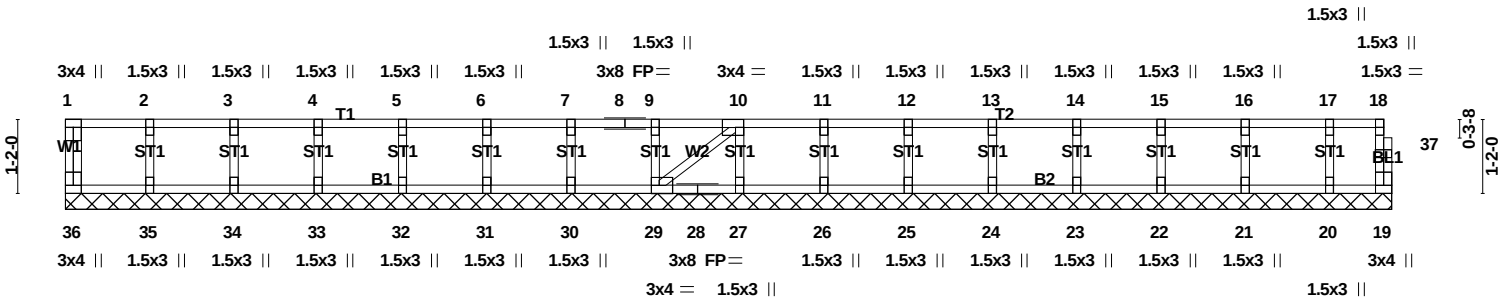
0-1-8

Scale = 1:36.4



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: 90 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 20-11-12.
(lb) - Max Grav
All reactions 250 lb or less at joint(s) 36, 19, 35, 34, 33, 32, 31, 30, 29, 27, 26, 25, 24, 23, 22, 21, 20

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

NOTES- (7-10)

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) 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- (7-10)

7) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
9) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
10) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)

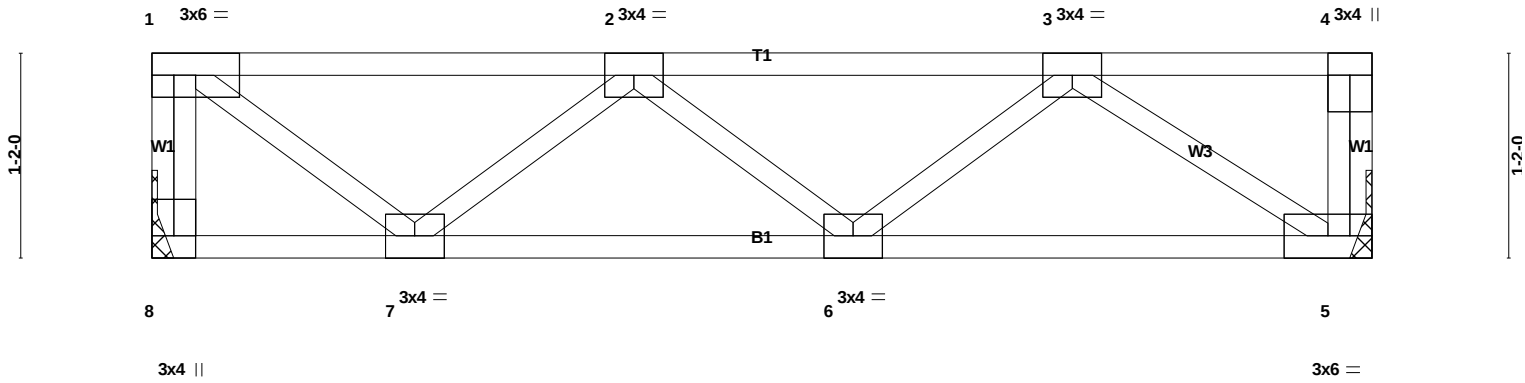
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F07	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 13:57:09 2021 Page 1
ID:3tOeK4qXnLTmNBax9UYSrlyf11m-escrDoGj2tjw_9X9HkO72Eryv0inBlwE0gqeFxyxpS8

1-3-0 1-5-8

Scale = 1:13.1



1-6-0 4-0-0 6-8-8 6-11-8
1-6-0 2-6-0 2-8-8 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	0.28	Vert(LL)	-0.01	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.13	Vert(CT)	-0.01	5-6	>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: 38 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 = 369/Mechanical
5 = 369/Mechanical
Max Grav
8 = 369(LC 1)
5 = 369(LC 1)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-8=-363/0, 1-2=-342/0,
2-3=-561/0
Continued on page 2

TOP CHORD
1-8=-363/0, 1-2=-342/0,
2-3=-561/0
BOT CHORD
6-7=0/630, 5-6=0/456
WEBS
1-7=0/429, 2-7=-375/0,
3-5=-546/0

NOTES- (4-7)
1) Refer to girder(s) for truss to truss connections.
2) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

NOTES- (4-7)

4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

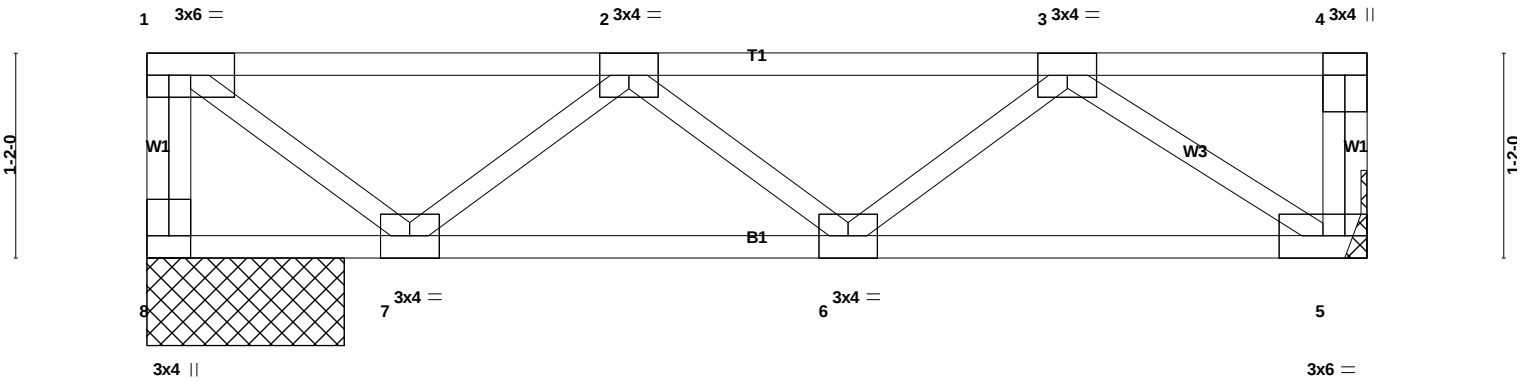
LOAD CASE(S)

Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F08	Floor	1	1	Job Reference (optional)

1-3-0 1-5-8

Scale = 1:13.1



1-6-0 4-0-0 6-8-8 6-11-8
1-6-0 2-6-0 2-8-8 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	0.28	Vert(LL)	-0.01	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.13	Vert(CT)	-0.01	5-6	>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: 38 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 = 369/1-1-8 (min. 0-1-8)
5 = 369/Mechanical
Max Grav
8 = 369(LC 1)
5 = 369(LC 1)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-8=-363/0, 1-2=-342/0,
2-3=-561/0
Continued on page 2

TOP CHORD
1-8=-363/0, 1-2=-342/0,
2-3=-561/0
BOT CHORD
6-7=0/630, 5-6=0/456
WEBS
1-7=0/429, 2-7=-375/0,
3-5=-546/0

NOTES- (4-7)
1) Refer to girder(s) for truss to truss connections.
2) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

NOTES- (4-7)

4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

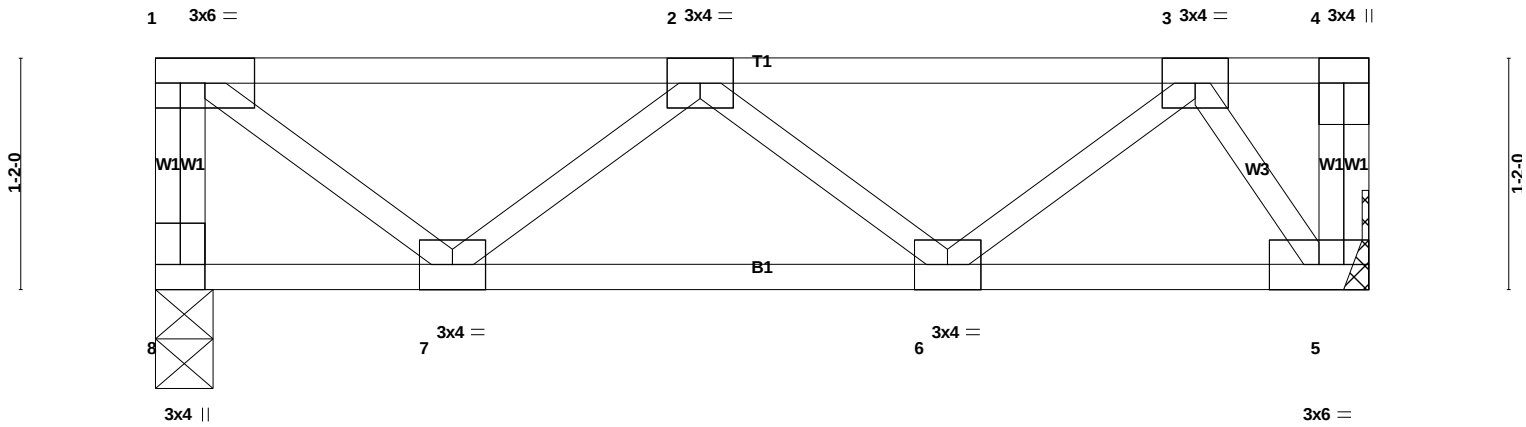
LOAD CASE(S)

Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F09	Floor	1	1	Job Reference (optional)

1-3-0 0-7-8

Scale = 1:11.6



1-6-0 4-0-0 5-10-8 6-1-8
1-6-0 2-6-0 1-10-8 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	0.28	Vert(LL)	-0.01	6	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.01	6-7	>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-P							Weight: 35 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 = 323/0-3-8 (min. 0-1-8)
5 = 323/Mechanical
Max Grav
8 = 323(LC 1)
5 = 323(LC 1)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-8=-318/0, 1-2=-283/0,
2-3=-388/0
Continued on page 2

TOP CHORD
1-8=-318/0, 1-2=-283/0,
2-3=-388/0
BOT CHORD
6-7=0/515
WEBS
1-7=0/355, 2-7=-302/0,
3-5=-395/0

NOTES- (4-7)
1) Refer to girder(s) for truss to truss connections.
2) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.

NOTES- (4-7)

4) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
6) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
7) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)

Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F10	Floor Supported Gable	1	1	Job Reference (optional)

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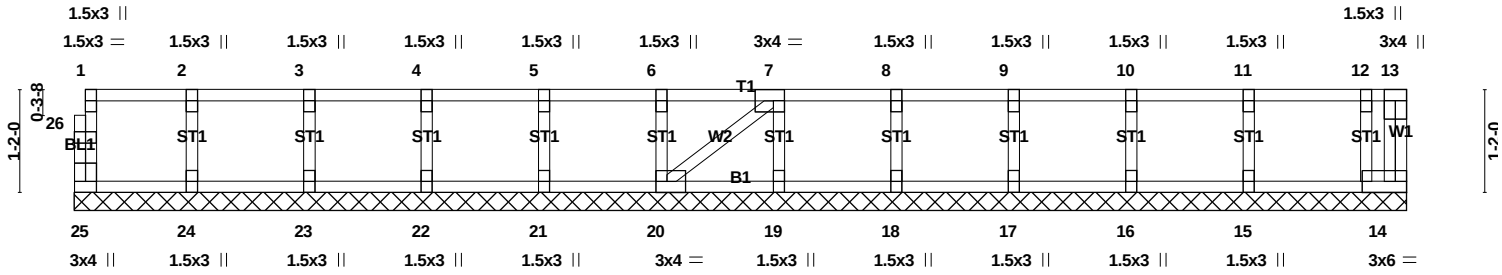
ID:3tOeK4qXnLTmNBax9UYSrlyf11m-2RI_rqlbLo6VrdGkytyqgsTXaEmLO8Mgid2lrFyxpS5

0-1-8

Scale = 1:26.2



15-1-8

15-1-8

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: 67 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 15-1-8.
(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- (7-10)

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) 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- (7-10)

7) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
9) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
10) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)

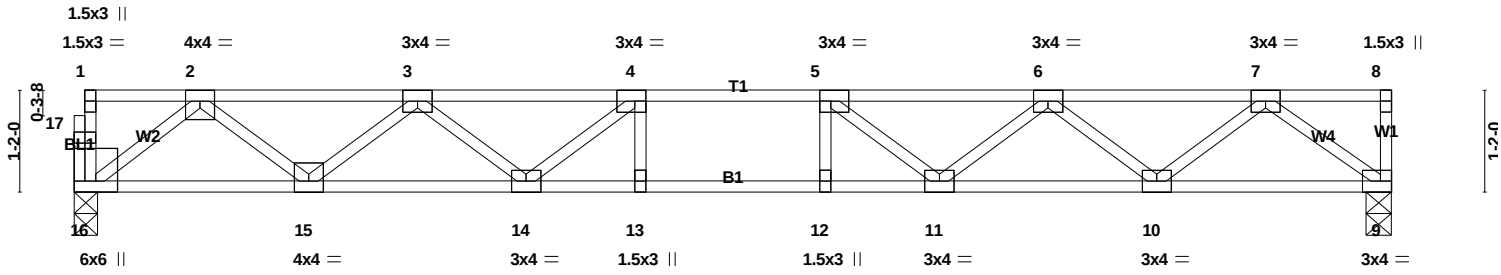
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F11	Floor	2	1	Job Reference (optional)

0-1-8

1-2-6 1-3-0 2-0-0 1-3-14

Scale = 1:26.5



6-6-14 7-6-14 8-6-14 15-1-12

6-6-14 1-0-0 1-0-0 6-6-14

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.16	11-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.21	11-12	>849	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 74 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 10-0-0 oc bracing.

REACTIONS. (lb/size)
16 = 816/0-3-4 (min. 0-1-8)
9 = 823/0-3-8 (min. 0-1-8)
Max Grav
16 = 816(LC 1)
9 = 823(LC 1)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-1652/0, 3-4=-2608/0,
Continued on page 2

TOP CHORD
2-3=-1652/0, 3-4=-2608/0,
4-5=-2923/0, 5-6=-2624/0,
6-7=-1684/0
BOT CHORD
15-16=0/979, 14-15=0/2290,
13-14=0/2923, 12-13=0/2923,
11-12=0/2923, 10-11=0/2314,
9-10=0/1020
WEBS
4-14=-582/0, 3-14=0/472,
3-15=-830/0, 2-15=0/875,
2-16=-1244/0, 5-11=-569/0,
6-11=0/464, 6-10=-820/0,
7-10=0/865, 7-9=-1276/0

NOTES- (5-8)
1) Unbalanced floor live loads have been considered for this design.
2) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
4) CAUTION, Do not erect truss backwards.

NOTES- (5-8)

5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)

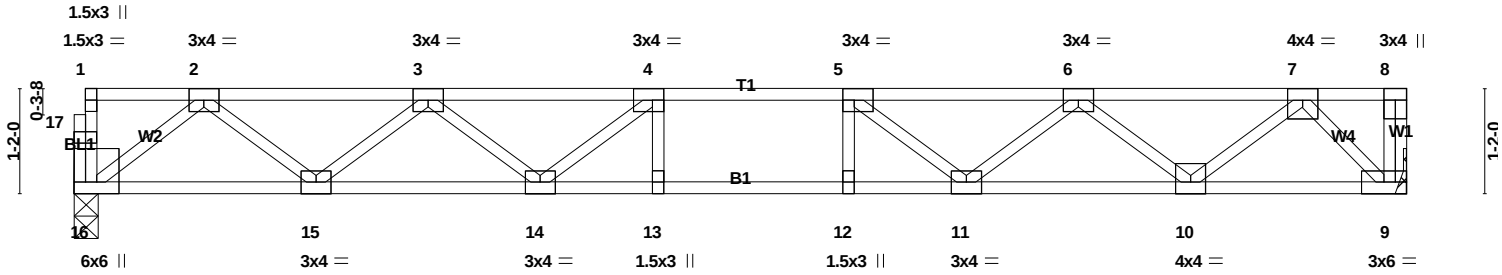
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F12	Floor	5	1	Job Reference (optional)

0-1-8

1-2-6 1-3-0 2-0-0 0-10-14

Scale = 1:25.7



6-6-14 7-6-14 8-6-14 14-10-4

6-6-14 1-0-0 1-0-0 6-3-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.37	Vert(LL)	-0.15	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.77	Vert(CT)	-0.20	13-14	>859	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.04	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 75 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 10-0-0 oc bracing.

REACTIONS. (lb/size)
16 = 797/0-3-4 (min. 0-1-8)
9 = 803/Mechanical
Max Grav
16 = 797(LC 1)
9 = 803(LC 1)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-1604/0, 3-4=-2513/0,
Continued on page 2

TOP CHORD
2-3=-1604/0, 3-4=-2513/0,
4-5=-2785/0, 5-6=-2442/0,
6-7=-1454/0
BOT CHORD
15-16=0/954, 14-15=0/2221,
13-14=0/2785, 12-13=0/2785,
11-12=0/2785, 10-11=0/2105,
9-10=0/769
WEBS
4-14=-534/0, 3-14=0/442,
3-15=-804/0, 2-15=0/847,
2-16=-1211/0, 5-11=-597/0,
6-11=0/482, 6-10=-848/0,
7-10=0/891, 7-9=-1093/0

NOTES- (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) Refer to girder(s) for truss to truss connections.
3) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.

NOTES- (6-9)

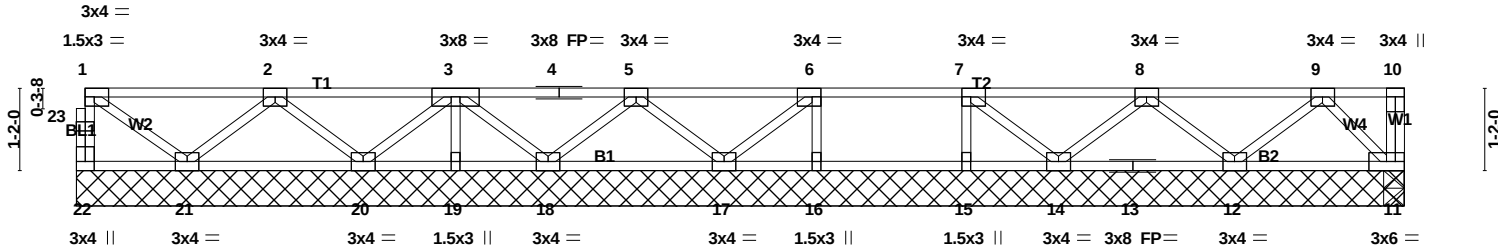
6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
7) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)

Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F13	Floor	1	1	Job Reference (optional)

0-1-8
1-3-14 1-3-0
2-0-0
0-10-14
Scale = 1:32.7



10-5-6	10-6-14	11-6-14	12-6-14		18-10-4
10-5-6	0-1-8	1-0-0	1-0-0		6-3-6

Plate Offsets (X,Y)-- [6:0-1-8,Edge], [7:0-1-8,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	0.29	Vert(LL)	0.00	12	****	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.04	Vert(CT)	-0.00	17-18	>999	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 95 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 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 19-20,18-19.

REACTIONS. All bearings 18-10-4.
(lb) - Max Grav
All reactions 250 lb or less at joint(s) 22, 11, 11, 16, 15, 17, 18, 19, 20, 21, 14 except 12=275(LC 1)

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

NOTES- (5-8)

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

Continued on page 2

NOTES- (5-8)

5) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
7) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
8) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)

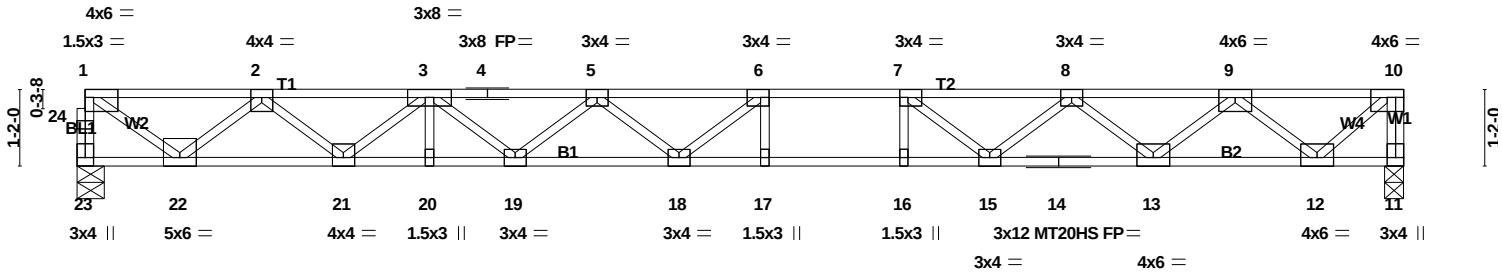
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F14	Floor	8	1	Job Reference (optional)

0-1-8

1-3-14 1-3-0 2-0-0 1-0-14

Scale = 1:35.2



11-6-14

10-5-6 10-6-14 12-6-14 20-3-4

10-5-6 0-1-8 1-0-0 7-8-6

1-0-0

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [6:0-1-8,Edge], [7:0-1-8,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	0.73	Vert(LL)	-0.48	17-18	>496	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.98	Vert(CT)	-0.67	17-18	>361	360	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.09	11	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 102 lb	FT = 20%F, 1

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)
WEBS 2x4 SP No.3(flat)
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 5-1-12 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 17-18,16-17.

REACTIONS. (lb/size)
23 = 1095/0-5-0 (min. 0-1-8)
11 = 1101/0-3-8 (min. 0-1-8)
Max Grav
23 = 1095(LC 1)
11 = 1101(LC 1)

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

TOP CHORD
23-24=-1089/0, 1-24=-1087/0, 10-11=-1094/0, 1-2=-1369/0, 2-3=-3315/0, 3-4=-4621/0, 4-5=-4621/0, 5-6=-5187/0, 6-7=-5142/0, 7-8=-4479/0, 8-9=-3155/0, 9-10=-1146/0
BOT CHORD
21-22=0/2521, 20-21=0/4123, 19-20=0/4123, 18-19=0/5088, 17-18=0/5142, 16-17=0/5142, 15-16=0/5142, 14-15=0/3942, 13-14=0/3942, 12-13=0/2322
WEBS
6-17=-312/98, 7-16=-67/342, 6-18=-425/393, 5-18=-72/374, 5-19=-608/0, 3-19=0/637, 3-21=-1031/0, 2-21=0/1034, 2-22=-1499/0, 1-22=0/1632, 7-15=-1033/0, 8-15=0/759, 8-13=-1025/0, 9-13=0/1084, 9-12=-1532/0, 10-12=0/1518

WEBS
6-17=-312/98, 7-16=-67/342, 6-18=-425/393, 5-18=-72/374, 5-19=-608/0, 3-19=0/637, 3-21=-1031/0, 2-21=0/1034, 2-22=-1499/0, 1-22=0/1632, 7-15=-1033/0, 8-15=0/759, 8-13=-1025/0, 9-13=0/1084, 9-12=-1532/0, 10-12=0/1518

NOTES- (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates 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.

Continued on page 2

NOTES- (6-9)

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 bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F15	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 13:57:19 2021 Page 1
ID:3tOeK4qXnLTmNBax9UYSrlyf11m-LnDdJDN_iy_WBil4sraTSLGZN2ymX7qiJDF9bLyxpS_

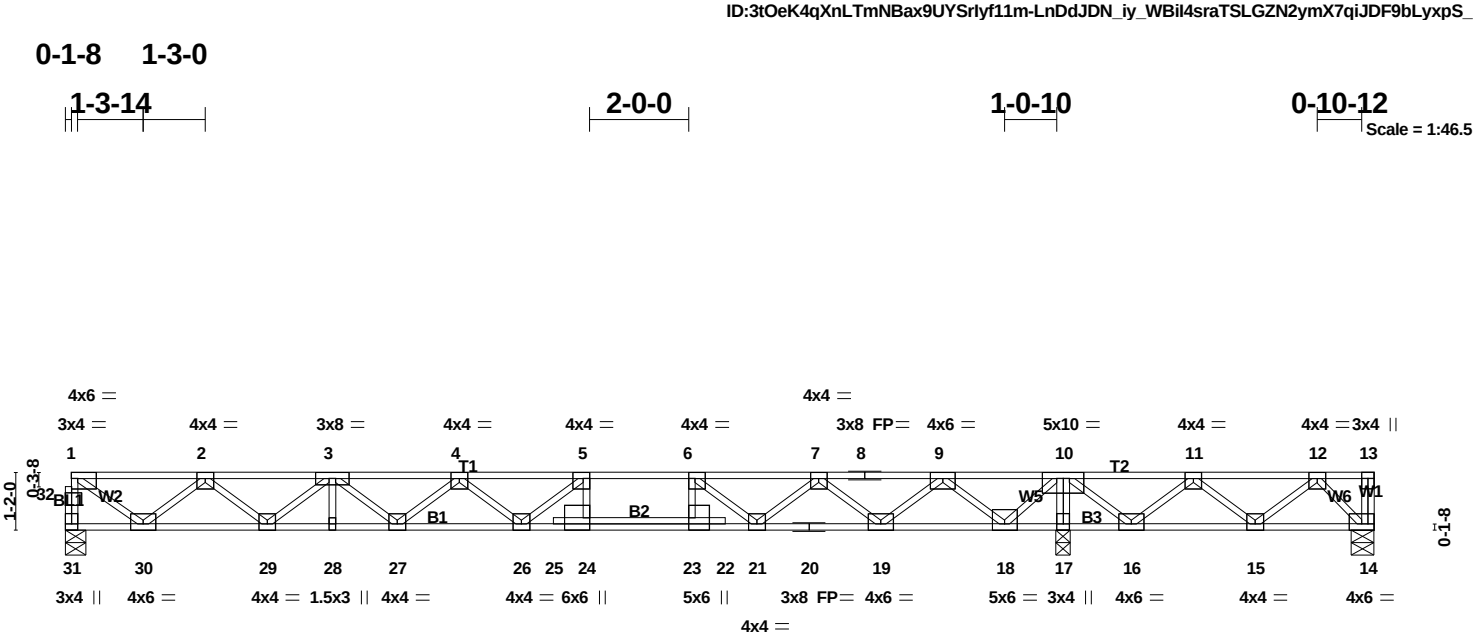


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [14:Edge,0-1-8], [23:0-3-0,0-0-0], [24:0-3-0,Edge], [32:0-1-8,0-1-8]

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	0.66	Vert(LL)	-0.33	24-26	>737	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.86	Vert(CT)	-0.45	24-26	>538	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.04	17	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 138 lb	FT = 20%F, 1

LUMBER-
TOP CHORD 2x4 SP No.1(flat)
BOT CHORD 2x4 SP No.1(flat) *Except*
B1: 2x4 SP SS(flat)
WEBS 2x4 SP No.3(flat)
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 5-10-10 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size)
31 = 913/0-5-0 (min. 0-1-8)
17 = 2208/0-3-8 (min. 0-1-8)
14 = -251/0-5-8 (min. 0-1-8)
Max Uplift
14 = -484(LC 3)
Max Grav
31 = 917(LC 3)
17 = 2208(LC 1)
14 = 164(LC 4)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
31-32=-911/0, 1-32=-910/0, 1-2=-1123/0, 2-3=-2644/0, 3-4=-3501/0, 4-5=-3651/0, 5-6=-3331/0, 6-7=-2094/0, 7-8=-385/3, 8-9=-385/3, 9-10=0/2113, 10-11=0/2529, 11-12=-64/1124
BOT CHORD
29-30=0/2062, 28-29=0/3229, 27-28=0/3229, 26-27=0/3754, 25-26=0/3331, 24-25=0/3304, 23-24=0/3331, 22-23=0/3352, 21-22=0/3331, 20-21=0/1375, 19-20=0/1375, 18-19=-775/0, 17-18=-3387/0, 16-17=-3376/0, 15-16=-1804/0, 14-15=-480/137
WEBS
5-24=-558/0, 6-23=0/775,

WEBS
5-24=-558/0, 6-23=0/775, 10-17=-2153/0, 5-26=-164/647, 4-27=-329/0, 3-27=0/347, 3-29=-747/0, 2-29=0/758, 2-30=-1222/0, 1-30=0/1337, 6-21=-1586/0, 7-21=0/942, 7-19=-1300/0, 9-19=0/1393, 9-18=-1787/0, 10-18=0/1714, 10-16=0/1268, 11-16=-1199/0, 11-15=0/885, 12-15=-838/0, 12-14=-195/686

NOTES- (6-9)
1) Unbalanced floor live loads have been considered for this design.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 484 lb uplift at joint 14.
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.

Continued on page 2

NOTES- (6-9)

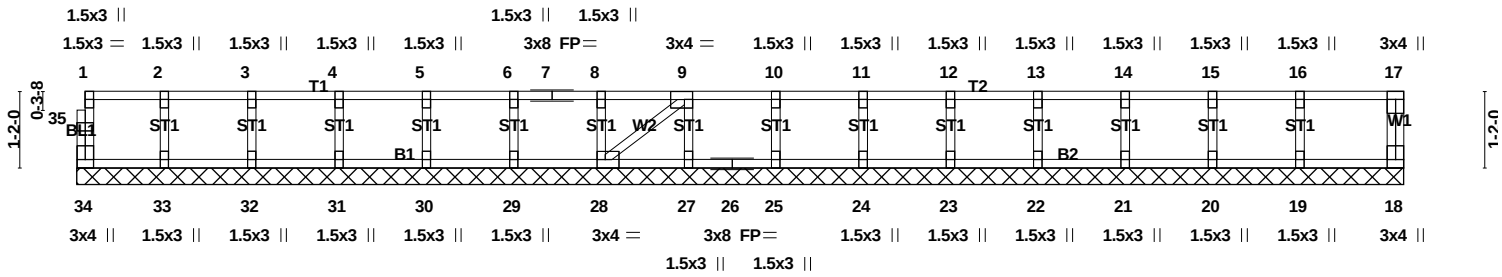
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.
6) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
8) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
9) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 0.0063 OLDE MILL VILLAGE | 207 MILL BEND WAY
21-4057-F02	F16	Floor Supported Gable	1	1	Job Reference (optional)

0-1-8

Scale = 1:35.2



20-3-0

20-3-0

Plate Offsets (X,Y)-- [9:0-1-8,Edge], [28:0-1-8,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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	18	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 87 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 20-3-0.
(lb) - Max Grav
All reactions 250 lb or less at joint(s) 34, 18, 33, 32, 31, 30, 29, 28, 27, 25, 24, 23, 22, 21, 20, 19

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

NOTES- (7-10)

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) 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- (7-10)

7) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. 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.
9) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
10) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)

Standard