Job	Truss	Truss Type	Qty	Ply	Eldredge-Portland, ME
1709075	A01	COMMON	15	1	Job Reference (optional)

Beau Trusses, Boscawen, NH 03303, Rick Greene

8.030 s Oct 5 2016 MiTek Industries, Inc. Fri Sep
ID:gm_YvE8PIbZkfc9cw8dwhCye4p7-xlLNa_UTntuPVyJ7aQEYYXW

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Inspections Division
Approved with Conditions
Date: 11/03/17

Plate Offsets (X,Y)-- [12:0-1-12,0-1-8], [14:0-1-12,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.31	12-14	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.81	Vert(TL)	-0.52	12-14	>626	240	MT18H	197/144
TCDL	10.0	Rep Stress Incr	YES	WB	0.67	Horz(TL)	0.11	10	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		Matrix-MS							Weight: 136 lb	FT = 15%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2
SLIDER Left 2x8 SPF No.2 2-6-0, Right 2x8 SPF No.2 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-5 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1897/0-5-8 (min. 0-3-0), 10=1897/0-5-8 (min. 0-3-0)
Max Horz 2=-276(LC 6)
Max Uplift2=-622(LC 8), 10=-622(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-255/229, 3-4=-2396/756, 4-5=-2145/788, 5-6=-1968/819, 6-7=-1968/819, 7-8=-2145/789, 8-9=-2396/757, 9-10=-255/228
BOT CHORD 2-23=-628/1905, 23-24=-628/1905, 14-24=-628/1905, 13-14=-327/1402, 13-25=-327/1402, 12-25=-327/1402, 12-26=-509/1905, 26-27=-509/1905, 10-27=-509/1905
WEBS 6-12=-405/788, 8-12=-604/274, 6-14=-404/788, 4-14=-604/274

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pg= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 1.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) All bearings are assumed to be SPF No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=622, 10=622.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Eldredge-Portland, ME
1709075	A01GE	COMMON SUPPORTED GAB	2	1	Job Reference (optional)

Beau Trusses, Boscawen, NH 03303, Rick Greene

8.030 s Oct 5 2016 MiTek Industries, Inc. Fri Sep
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LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.18	Vert(LL)	-0.00	18	n/r	180	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.12	Vert(TL)	-0.00	18	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.33	Horz(TL)	0.01	20	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		Matrix-R							Weight: 161 lb	FT = 15%
BCDL	10.0											

LUMBER-

TOP CHORD	2x6 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2

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.
WEBS	1 Row at midpt 10-27

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 26-11-8.
(lb) - Max Horz 35=-320(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 28, 30, 31, 32, 33, 26, 25, 24, 23, 22 except 35=-218(LC 6), 20=-141(LC 7), 34=-196(LC 7), 21=-146(LC 6)
Max Grav All reactions 250 lb or less at joint(s) 34, 21 except 35=260(LC 13), 20=260(LC 14), 27=261(LC 2), 28=382(LC 13), 30=359(LC 13), 31=294(LC 3), 32=263(LC 1), 33=277(LC 13), 26=382(LC 14), 25=359(LC 14), 24=294(LC 4), 23=263(LC 1), 22=277(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-89/298, 9-10=-97/323, 10-11=-97/314, 11-12=-89/270
WEBS 9-28=-342/65, 8-30=-319/113, 11-26=-342/61, 12-25=-319/114

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-05; Pg= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 17.0 psf or 1.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
13) All bearings are assumed to be SPF No.2 .
14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 28, 30, 31, 32, 33, 26 , 25, 24, 23, 22 except (jt=lb) 35=218, 20=141, 34=196, 21=146.
15) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Eldredge-Portland, ME
1709075	B01	COMMON	12	1	Job Reference (optional)

Beau Trusses, Boscawen, NH 03303, Rick Greene

8.030 s Oct 5 2016 MiTek Industries, Inc. Fri Sep
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-1-0-0	6-10-5	13-5-3	20-0-0	26-6-13	33-1-11	40-
1-0-0	6-10-5	6-6-14	6-6-13	6-6-13	6-6-14	6-1

9-0-6	17-9-4	22-2-12	30-11-10	40-0-0
9-0-6	8-8-14	4-5-8	8-8-14	9-0-6

Plate Offsets (X,Y)-- [6:0-1-12,0-2-0], [7:0-4-8,0-2-8], [8:0-1-12,0-2-0], [14:0-1-8,0-1-8], [19:0-1-8,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.21	14-16	>999	360	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.68	Vert(TL)	-0.42	14-16	>636	240	MT18H	197/144
TCDL	10.0	Rep Stress Incr	YES	WB	0.84	Horz(TL)	0.04	12	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		Matrix-MS							Weight: 198 lb	FT = 15%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2
SLIDER Left 2x8 SPF No.2 2-6-0, Right 2x8 SPF No.2 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 8-16, 7-17, 6-17

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=844/0-5-8 (min. 0-1-9), 17=3448/0-5-8 (min. 0-5-7), 12=1229/0-5-8 (min. 0-2-3)
Max Horz 2=120(LC 8)
Max Uplift2=-338(LC 8), 17=-1038(LC 8), 12=-479(LC 9)
Max Grav 2=1003(LC 13), 17=3448(LC 1), 12=1397(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-352/171, 3-4=-1012/337, 4-5=-754/278, 5-28=-637/289, 6-28=-494/304, 6-7=-189/1263, 7-8=-291/332, 8-29=-1346/609, 9-29=-1499/593, 9-10=-1606/585, 10-11=-1913/631
BOT CHORD 2-19=-341/948, 19-30=-525/241, 30-31=-525/241, 18-31=-525/241, 17-18=-525/241, 17-32=-474/280, 32-33=-474/280, 16-33=-474/280, 15-16=-144/975, 15-34=-144/975, 34-35=-144/975, 14-35=-144/975, 12-14=-483/1679
WEBS 7-16=-499/1400, 8-16=-1525/499, 8-14=-366/801, 10-14=-565/213, 7-17=-2372/641, 6-17=-1581/518, 6-19=-418/943, 4-19=-694/260

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) TCLL: ASCE 7-05; Pg= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.5 psf or 1.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) All bearings are assumed to be SPF No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=338, 17=1038, 12=479.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Eldredge-Portland, ME
1709075	B01GE	Common Supported Gable	1	1	Job Reference (optional)

Beau Trusses, Boscawen, NH 03303, Rick Greene

8.030 s Oct 5 2016 MiTek Industries, Inc. Fri Sep
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Plate Offsets (X,Y)-- [6:0-4-8,0-4-8], [18:0-4-8,0-4-8], [32:0-3-8,0-3-0], [36:0-3-8,0-3-0]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL 1.15	TC	0.12	Vert(LL)	0.00	22	n/r	180	MT20	197/144
(Ground Snow=60.0)		Lumber DOL 1.15	BC	0.06	Vert(TL)	-0.00	22	n/r	120		
TCDL	10.0	Rep Stress Incr YES	WB	0.34	Horz(TL)	0.01	24	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007	Matrix-R							Weight: 225 lb	FT = 15%
BCDL	10.0										

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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.
WEBS 1 Row at midpt 12-34

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 40-0-0.
(lb) - Max Horz 44=121(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 44, 24, 35, 36, 37, 38, 39, 40, 41, 42, 33, 32, 31, 30, 29, 28, 27, 26, 25 except 43=-111(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 43, 25 except 44=279(LC 13), 24=279(LC 14), 34=266(LC 2), 35=380(LC 13), 36=372(LC 13), 37=371(LC 13), 38=333(LC 13), 39=289(LC 3), 40=263(LC 1), 41=256(LC 13), 42=274(LC 13), 33=380(LC 14), 32=372(LC 14), 31=371(LC 14), 30=333(LC 14), 29=289(LC 4), 28=263(LC 1), 27=256(LC 14), 26=274(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-44=-261/78, 9-10=-58/256, 10-11=-59/284, 11-12=-63/302, 12-13=-63/297, 13-14=-59/268, 22-24=-261/66
WEBS 11-35=-340/60, 10-36=-332/89, 9-37=-331/81, 8-38=-293/81, 13-33=-340/58, 14-32=-332/90, 15-31=-331/81, 16-30=-293/81

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-05; Pg= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 19.5 psf or 1.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
13) All bearings are assumed to be SPF No.2 .

Continued on page 2

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NOTES-

14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 44, 24, 35, 36, 37, 38, 39, 40, 41, 42, 3
27, 26, 25 except (jt=lb) 43=111.

15) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Eldredge-Portland, ME
1709075	B02GE	GABLE	1	1	Job Reference (optional)

Beau Trusses, Boscawen, NH 03303, Rick Greene

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Plate Offsets (X,Y)-- [2:0-3-7,0-0-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	46.2	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.00	1	n/r	180	MT20	197/144
(Ground Snow=60.0)		Lumber DOL	1.15	BC	0.08	Vert(TL)	-0.00	1	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	7	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		Matrix-R							Weight: 38 lb	FT = 15%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2
OTHERS 2x4 SPF No.2

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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 7-11-8.
(lb) - Max Horz 11=196(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 11, 7, 9, 8 except 10=-123(LC 7)
Max Grav All reactions 250 lb or less at joint(s) 7, 10 except 11=274(LC 1), 9=323(LC 13), 8=331(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-257/43
WEBS 4-9=-284/79, 5-8=-289/66

NOTES-
1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-05; Pg= 60.0 psf (ground snow); Pf=46.2 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 19.5 psf or 1.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
12) All bearings are assumed to be SPF No.2 .
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 7, 9, 8 except (jt=lb) 10=123.
14) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard