Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	M01	Monopitch Supported Gable	1	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

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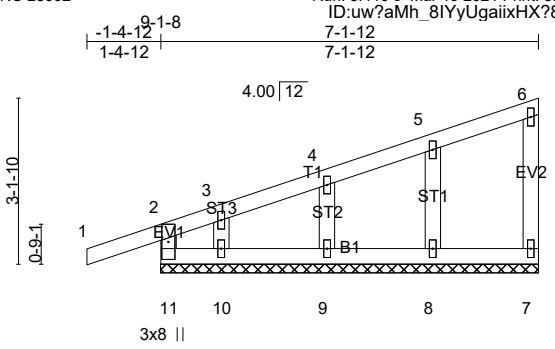

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9-1-8
0-3-8
0-3-8

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 34 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2
OTHERS	2x4 SP 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 7-1-12.
(lb) - Max Horz 11=135(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 11, 7, 8, 9, 10
Max Grav All reactions 250 lb or less at joint(s) 11, 7, 8, 9, 10

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

NOTES-

1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-4-12 to 1-7-4, Exterior(2N) 1-7-4 to 4-0-0, Corner(3E) 4-0-0 to 7-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
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 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 7, 8, 9, 10.
10) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	M02	Monopitch Supported Gable	1	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

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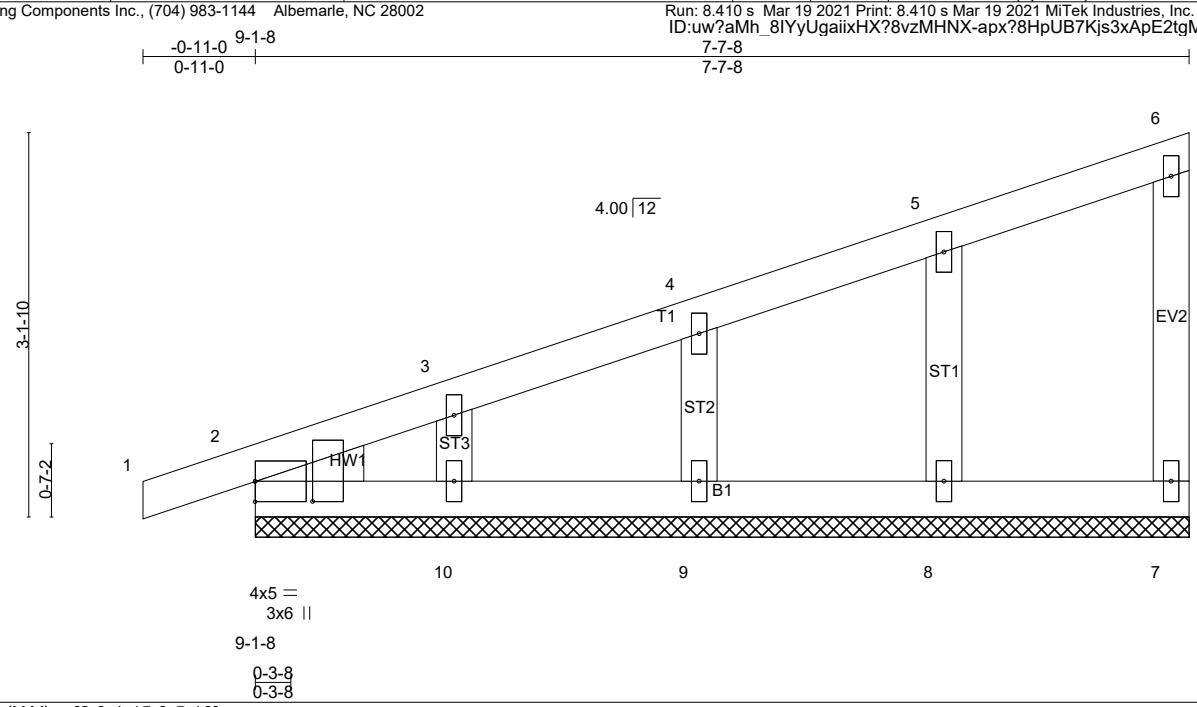

Plate Offsets (X,Y)-- [2:0-1-15,0-5-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 36 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2
WEDGE
Left: 2x4 SP 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 7-7-8.
(lb) - Max Horz 2=127(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 7, 2, 8, 9, 10
Max Grav All reactions 250 lb or less at joint(s) 7, 2, 8, 9, 10

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

NOTES-
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-11-0 to 2-1-0, Exterior(2N) 2-1-0 to 4-5-12, Corner(3E) 4-5-12 to 7-5-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 2, 8, 9, 10.
9) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	PB01	GABLE	17	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002 Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:27 2021 Page 1
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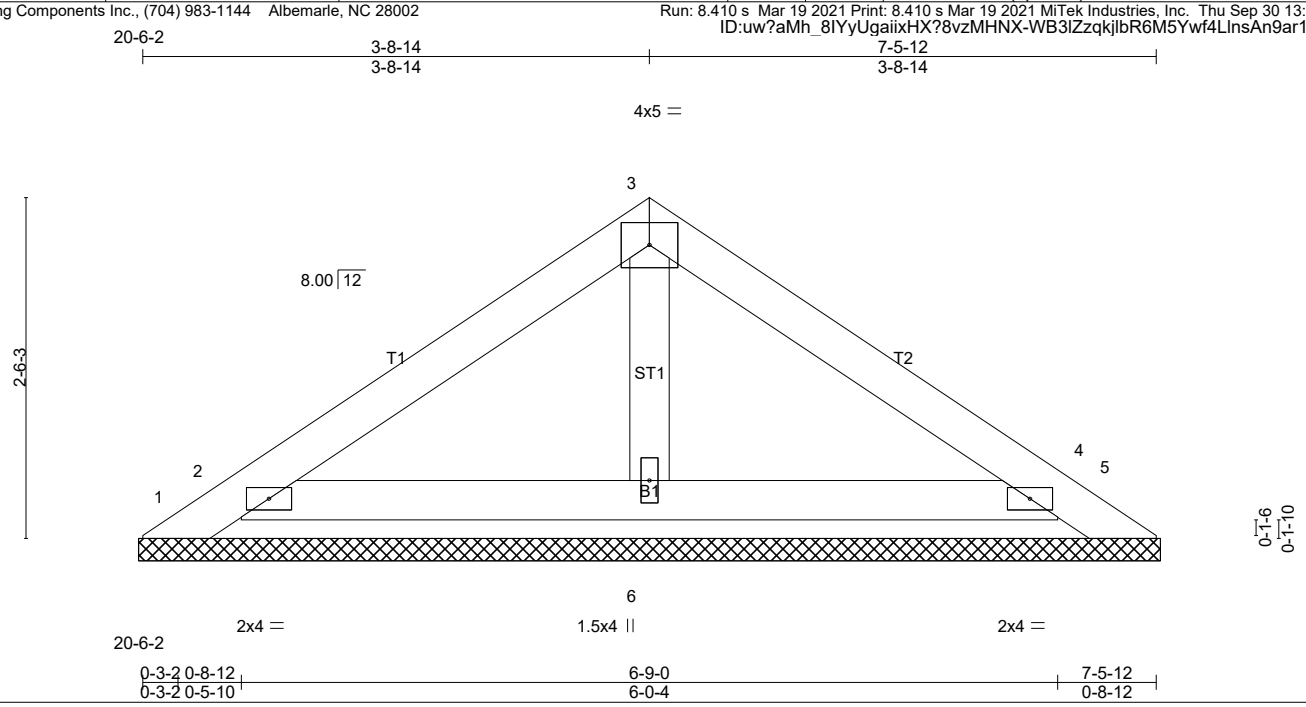

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 25 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
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 7-6-8.
(lb) - Max Horz 1=62(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-142(LC 17), 5=-116(LC 18), 2=-183(LC 10), 4=-168(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 6 except 2=316(LC 17), 4=299(LC 18)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-5 to 3-3-5, Exterior(2R) 3-3-5 to 4-3-3, Exterior(2E) 4-3-3 to 7-3-3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 1, 116 lb uplift at joint 5, 183 lb uplift at joint 2 and 168 lb uplift at joint 4.
9) 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.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	PB03	GABLE	10	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

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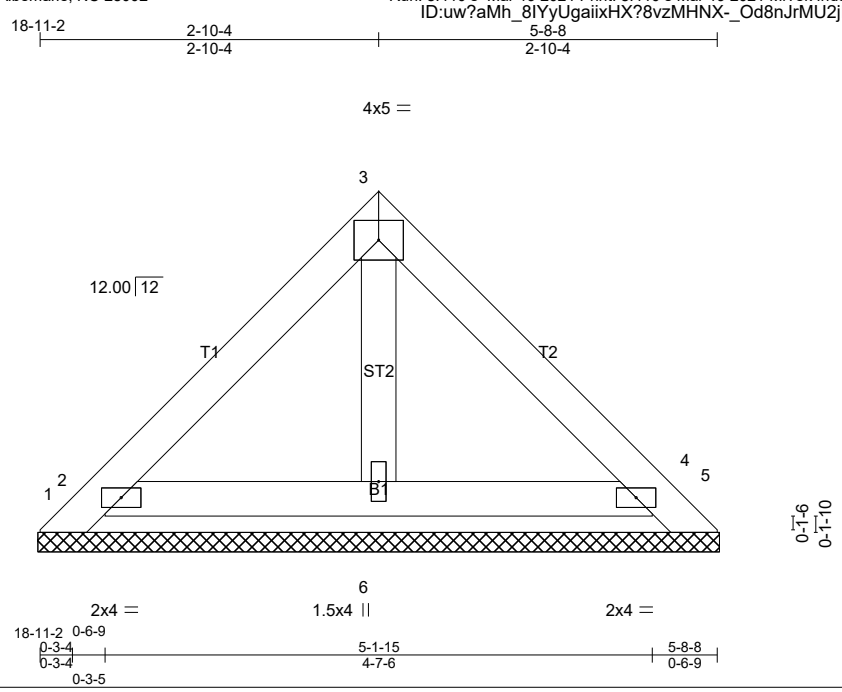


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 22 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-0 oc purlins.
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.

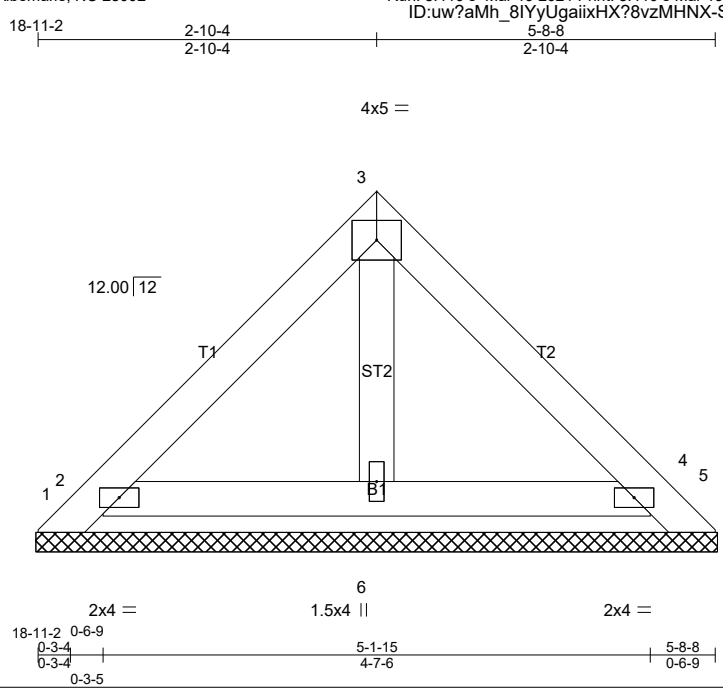
REACTIONS. All bearings 5-9-0.
(lb) - Max Horz 1=-71(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-146(LC 17), 5=-106(LC 18), 2=-202(LC 10), 4=-174(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 4, 6 except 2=280(LC 17)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 4-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 1, 106 lb uplift at joint 5, 202 lb uplift at joint 2 and 174 lb uplift at joint 4.
9) 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.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	PB04	GABLE	1	2	Job Reference (optional)



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 44 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 5-9-0.
(lb) - Max Horz 1=-71(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-146(LC 17), 5=-106(LC 18), 2=-202(LC 10), 4=-174(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 4, 6 except 2=280(LC 17)

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

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
5) 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.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 1, 106 lb uplift at joint 5, 202 lb uplift at joint 2 and 174 lb uplift at joint 4.
11) 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.
12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T01GE	Common Supported Gable	1	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

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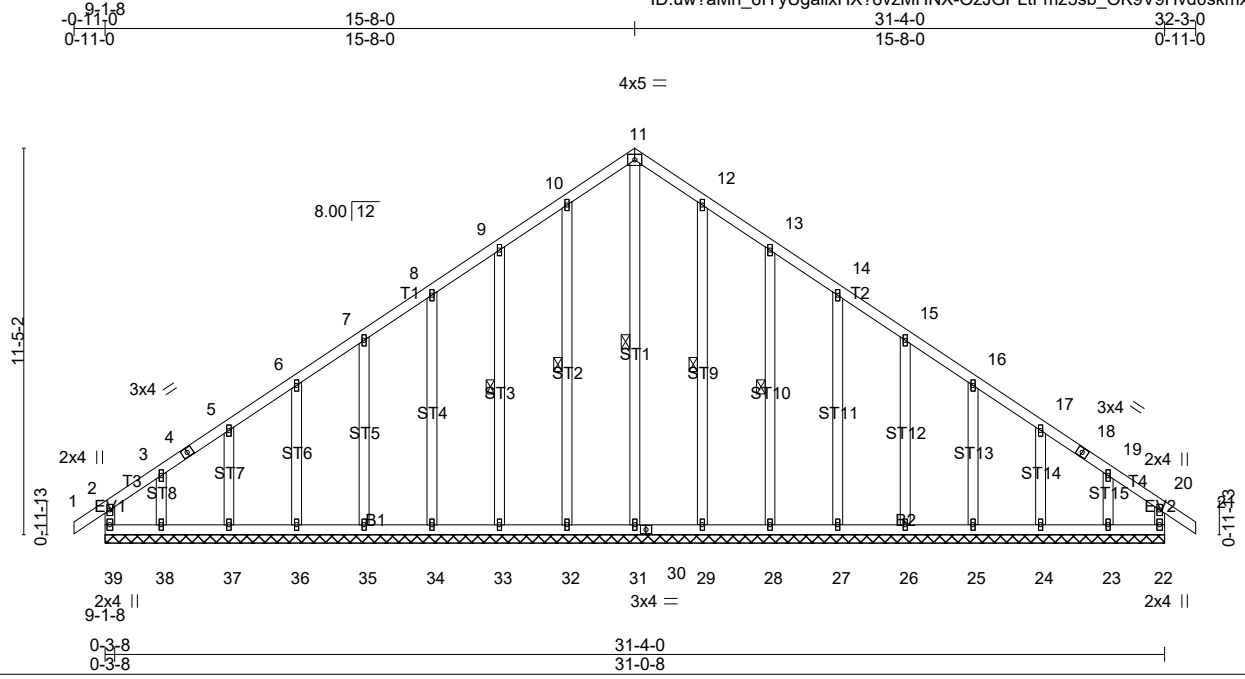

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.00	21	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	-0.00	21	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	22	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R		Wind(LL)	0.00	20	n/r	120	Weight: 240 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2
OTHERS	2x4 SP 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.
WEBS	1 Row at midpt 11-31, 10-32, 9-33, 12-29, 13-28

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

REACTIONS. All bearings 31-4-0.
(lb) - Max Horz 39=325(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 32, 33, 34, 35, 36, 37, 29, 28, 27, 26, 25, 24 except 39=-172(LC 6), 22=-106(LC 7), 38=-196(LC 10), 23=-176(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 39, 22, 32, 33, 34, 35, 36, 37, 38, 29, 28, 27, 26, 25, 24, 23 except 31=305(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=-150/253, 9-10=-189/320, 10-11=-221/374, 11-12=-221/374, 12-13=-189/320, 13-14=-150/253
WEBS 11-31=-334/142

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-11-0 to 2-2-10, Exterior(2N) 2-2-10 to 12-6-6, Corner(3R) 12-6-6 to 18-9-10, Exterior(2N) 18-9-10 to 29-1-6, Corner(3E) 29-1-6 to 32-3-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 32, 33, 34, 35, 36, 37, 29, 28, 27, 26, 25, 24 except (jt=lb) 39=172, 22=106, 38=196, 23=176.
11) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T02	ATTIC	6	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

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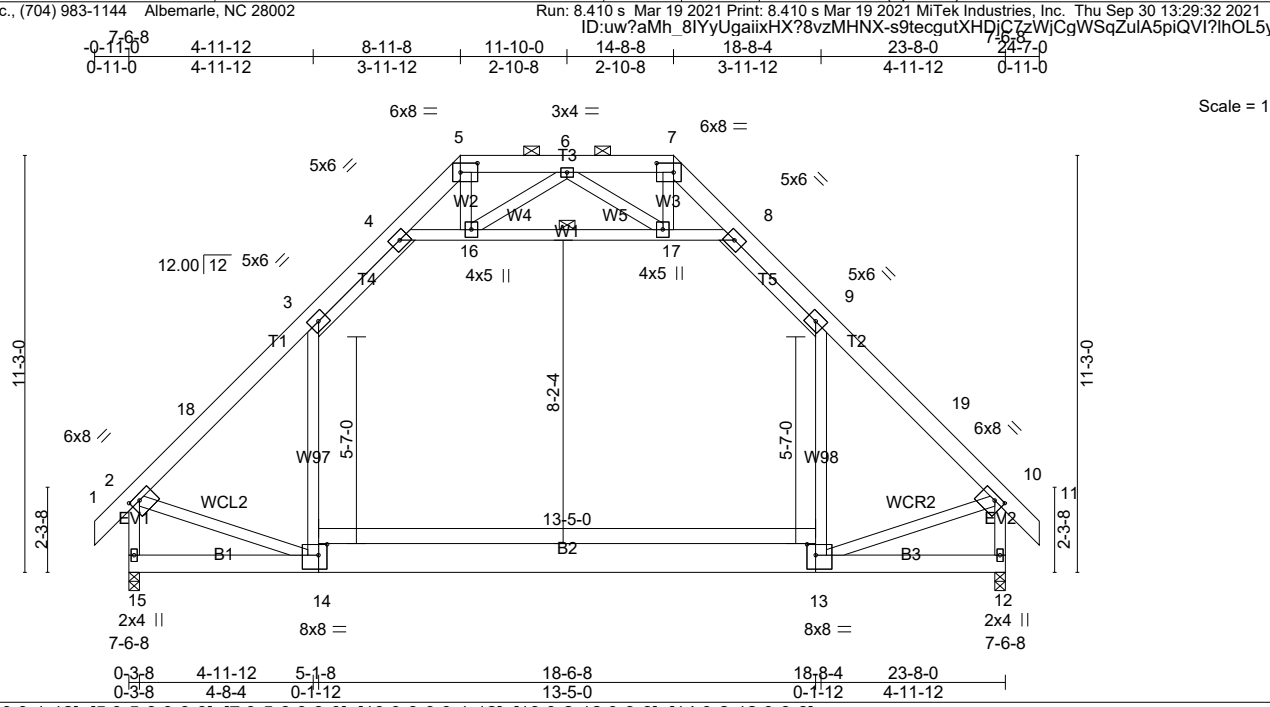

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [5:0-5-8,0-3-0], [7:0-5-8,0-3-0], [10:0-3-0,0-1-12], [13:0-2-12,0-3-8], [14:0-2-12,0-3-8]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.15	TC	0.76	Vert(LL)	-0.36	13-14	>787	360	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.87	Vert(CT)	-0.46	13-14	>611	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.65	Horz(CT)	0.01	12	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014	Matrix-MS		Attic	-0.27	13-14	604	360	Weight: 233 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* T4,T5: 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* B2: 2x10 SP No.1
WEBS 2x4 SP No.3 *Except* W97,W98: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-4 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 6-7-7 oc bracing.
WEBS 1 Row at midpt 4-8

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

REACTIONS. (lb/size) 15=1067/0-3-8 (min. 0-1-9), 12=1067/0-3-8 (min. 0-1-9)
Max Horz 15=-339(LC 8)
Max Uplift 15=-116(LC 10), 12=-116(LC 11)
Max Grav 15=1342(LC 2), 12=1342(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-1319/160, 3-18=-1165/177, 3-4=-866/261, 4-5=-344/134, 7-8=-344/134, 8-9=-866/261, 9-19=-1165/177, 10-19=-1318/160, 5-6=-191/256, 6-7=-191/256, 2-15=-1376/193, 10-12=-1377/193
BOT CHORD 14-15=-349/396, 13-14=-91/886
WEBS 3-14=-48/581, 9-13=-48/581, 4-16=-1037/330, 16-17=-851/230, 8-17=-1037/330, 6-16=-261/174, 6-17=-261/174, 2-14=-138/900, 10-13=-141/902

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior(1) 2-1-0 to 4-8-9, Exterior(2R) 4-8-9 to 18-8-7, Interior(1) 18-8-7 to 21-7-0, Exterior(2E) 21-7-0 to 24-7-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-16, 16-17, 8-17
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-14
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=116, 12=116.
9) 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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T03	ATTIC	4	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002 Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:33 2021 Page 1
ID:uw?aMh_8IYyUgaiixHX?8vzMHNX-LLQ0q0vVIbLaqHYiHvBI?262QaR2RshRDPQytXyYRe0

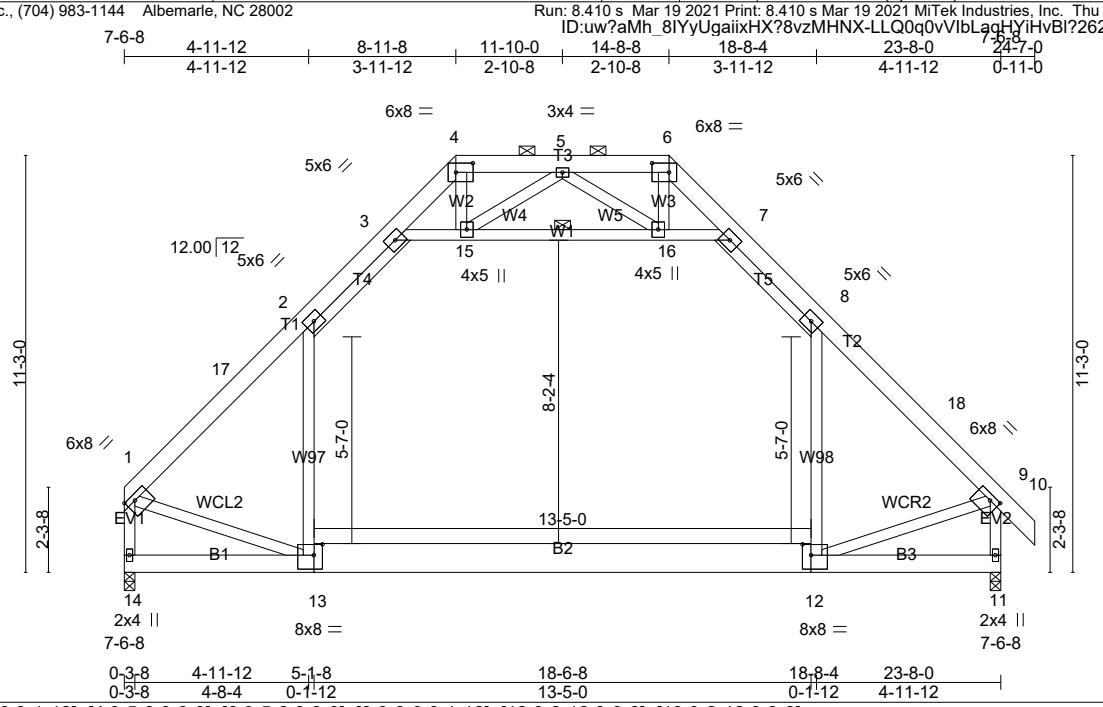

Plate Offsets (X,Y)-- [1:0-3-0,0-1-12], [4:0-5-8,0-3-0], [6:0-5-8,0-3-0], [9:0-3-0,0-1-12], [12:0-2-12,0-3-8], [13:0-2-12,0-3-8]

LOADING (psf)		**SPACING-** 2-0-0		**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	-0.36	12-13	>787	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.46	12-13	>610	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Attic	-0.27	12-13	604	360	Weight: 230 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* T4,T5: 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* B2: 2x10 SP No.1
WEBS 2x4 SP No.3 *Except* W97,W98: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-7 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 6-7-7 oc bracing.
WEBS 1 Row at midpt 3-7

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

REACTIONS. (lb/size) 14=1002/0-3-8 (min. 0-1-8), 11=1069/0-3-8 (min. 0-1-9)
Max Horz 14=-330(LC 8)
Max Uplift 14=-90(LC 10), 11=-115(LC 11)
Max Grav 14=1288(LC 2), 11=1344(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-1319/152, 2-17=-1166/164, 2-3=-868/260, 3-4=-341/134, 6-7=-343/135, 7-8=-868/259, 8-18=-1168/174, 9-18=-1321/157, 4-5=-188/259, 5-6=-190/258, 1-14=-1334/151, 9-11=-1379/190
BOT CHORD 13-14=-330/378, 12-13=-90/888
WEBS 2-13=-55/576, 8-12=-48/583, 3-15=-1043/329, 15-16=-853/229, 7-16=-1043/327, 5-15=-262/175, 5-16=-262/173, 1-13=-141/896, 9-12=-139/905

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-8-9, Exterior(2R) 4-8-9 to 18-8-7, Interior(1) 18-8-7 to 21-7-0, Exterior(2E) 21-7-0 to 24-7-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 2-3, 7-8, 3-15, 15-16, 7-16
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-13
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 11=115.
9) 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.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T04	ATTIC	1	2	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002 Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:34 2021 Page 1
ID:uw?aMh_8IYyUgaiixHX?8vzMHNX-pY_P1Mw73uTRSR7vqdi_XFeFp_pfAPCaS3AVQzyYRe?

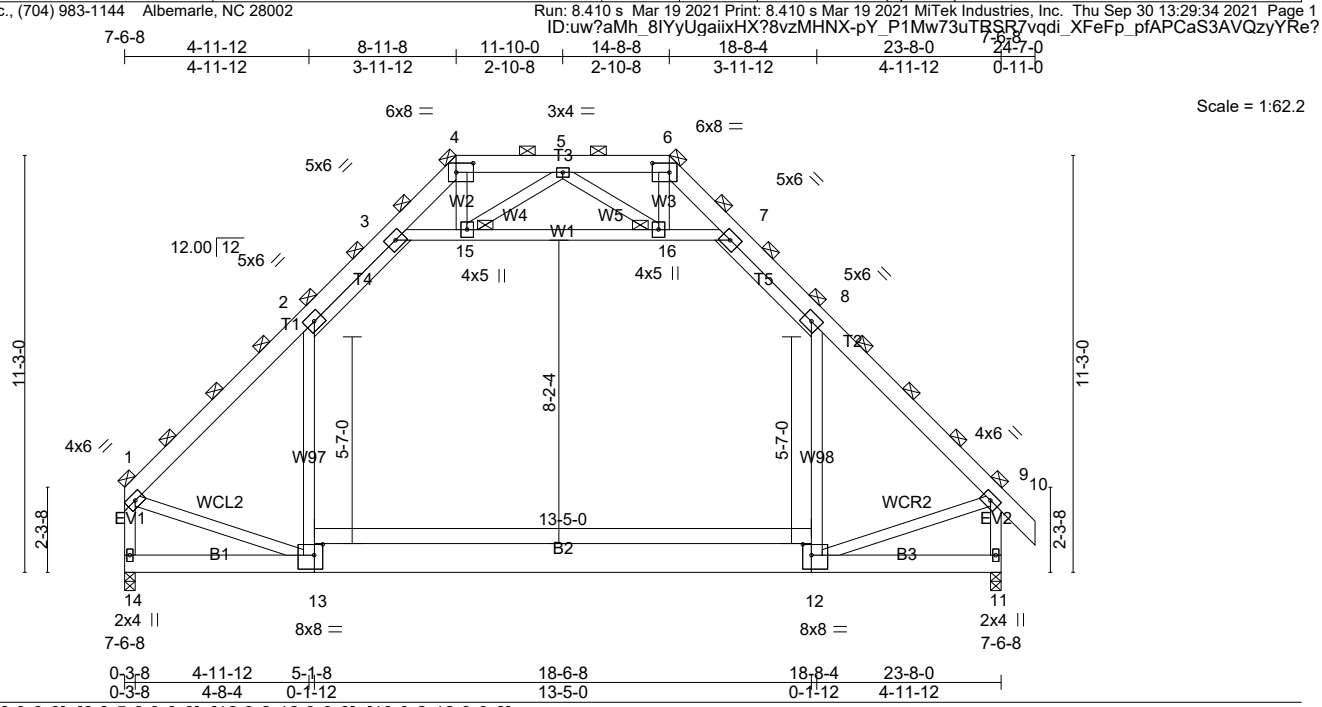

Plate Offsets (X,Y)-- [4:0-5-8,0-3-0], [6:0-5-8,0-3-0], [12:0-2-12,0-3-8], [13:0-2-12,0-3-8]

LOADING (psf)		SPACING-	3-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.66	Vert(LL)	-0.27	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.72	Vert(CT)	-0.34	12-13	>814	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.26	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Attic	-0.20	12-13	805	360	Weight: 459 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* T4,T5: 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except* B2: 2x10 SP No.1
WEBS 2x4 SP No.3 *Except* W97,W98: 2x4 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 4, 6, 15, 16, 1, 9

REACTIONS. (lb/size) 14=1503/0-3-8 (min. 0-1-8), 11=1603/0-3-8 (min. 0-1-8)
Max Horz 14=-495(LC 4)
Max Uplift 14=-136(LC 8), 11=-173(LC 9)
Max Grav 14=1932(LC 2), 11=2015(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1978/231, 2-3=-1302/290, 3-4=-511/201, 6-7=-514/202, 7-8=-1302/288, 8-9=-1981/234, 4-5=-281/388, 5-6=-285/387, 1-14=-2000/204, 9-11=-2069/210
BOT CHORD 13-14=-495/567, 12-13=-135/1331
WEBS 2-13=-82/864, 8-12=-71/874, 3-15=-1565/494, 15-16=-1280/343, 7-16=-1564/490, 4-15=-109/313, 6-16=-108/313, 5-15=-393/262, 5-16=-393/260, 1-13=-212/1344, 9-12=-209/1357

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x10 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 2-3, 7-8, 3-15, 15-16, 7-16
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 12-13
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=136 , 11=173.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

Continued on page 2

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T05	Common	1	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:36 2021 Page 1
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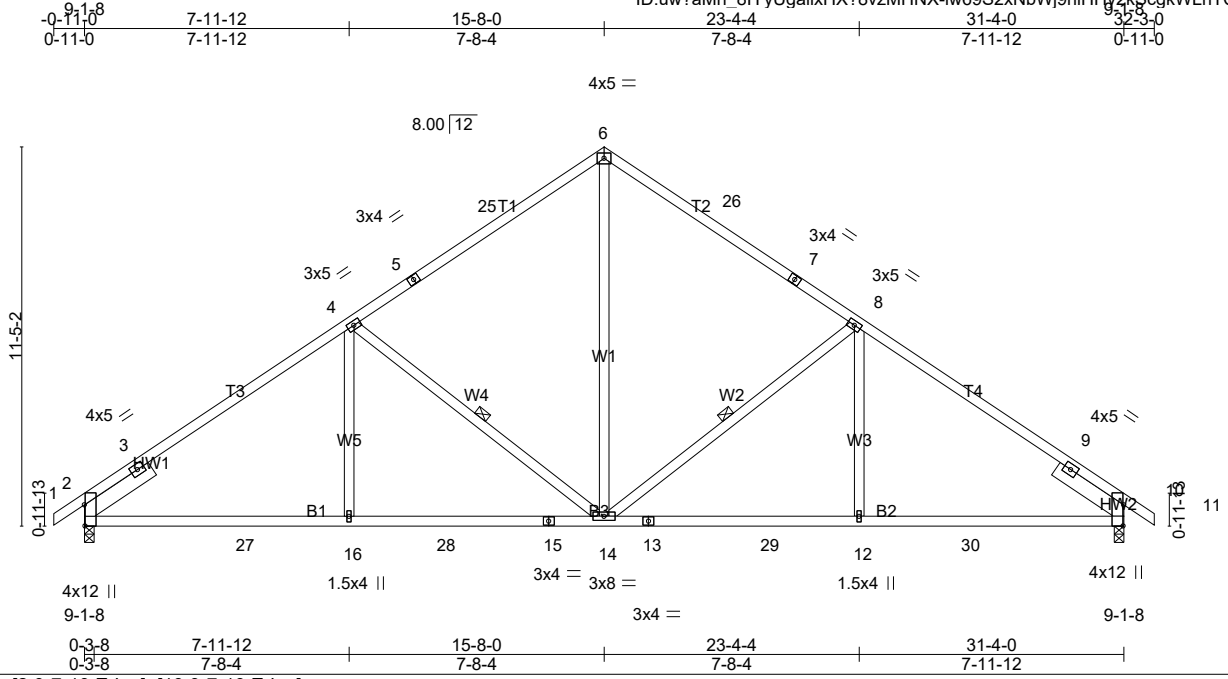

Plate Offsets (X,Y)-- [2:0-7-10,Edge], [10:0-7-10,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.15	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.28	12-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 179 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
T3,T4: 2x4 SP No.1
BOT CHORD 2x4 SP No.1 *Except*
B3: 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 -œ 2-6-0, Right 2x6 SP No.2 -œ 2-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-14, 4-14

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

REACTIONS. (lb/size) 2=1308/0-3-8 (min. 0-1-13), 10=1308/0-3-8 (min. 0-1-12)
Max Horz 2=295(LC 9)
Max Uplift2=-257(LC 10), 10=-257(LC 11)
Max Grav 2=1533(LC 17), 10=1533(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-340/0, 3-4=-1922/339, 4-5=-1396/315, 5-25=-1296/335, 6-25=-1270/354, 6-26=-1270/354, 7-26=-1296/335, 7-8=-1396/315, 8-9=-1922/339, 9-10=-340/0
BOT CHORD 2-27=-322/1714, 16-27=-322/1714, 16-28=-322/1714, 15-28=-322/1714, 14-15=-322/1714, 13-14=-144/1516, 13-29=-144/1516, 12-29=-144/1516, 12-30=-144/1516, 10-30=-144/1516
WEBS 6-14=-181/1018, 8-14=-709/324, 8-12=0/380, 4-14=-709/324, 4-16=0/380

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-11-0 to 2-2-10, Interior(1) 2-2-10 to 12-6-6, Exterior(2R) 12-6-6 to 18-9-10, Interior(1) 18-9-10 to 29-1-6, Exterior(2E) 29-1-6 to 32-3-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=257, 10=257.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T06	Piggyback Base	5	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002 Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:37 2021 Page 1
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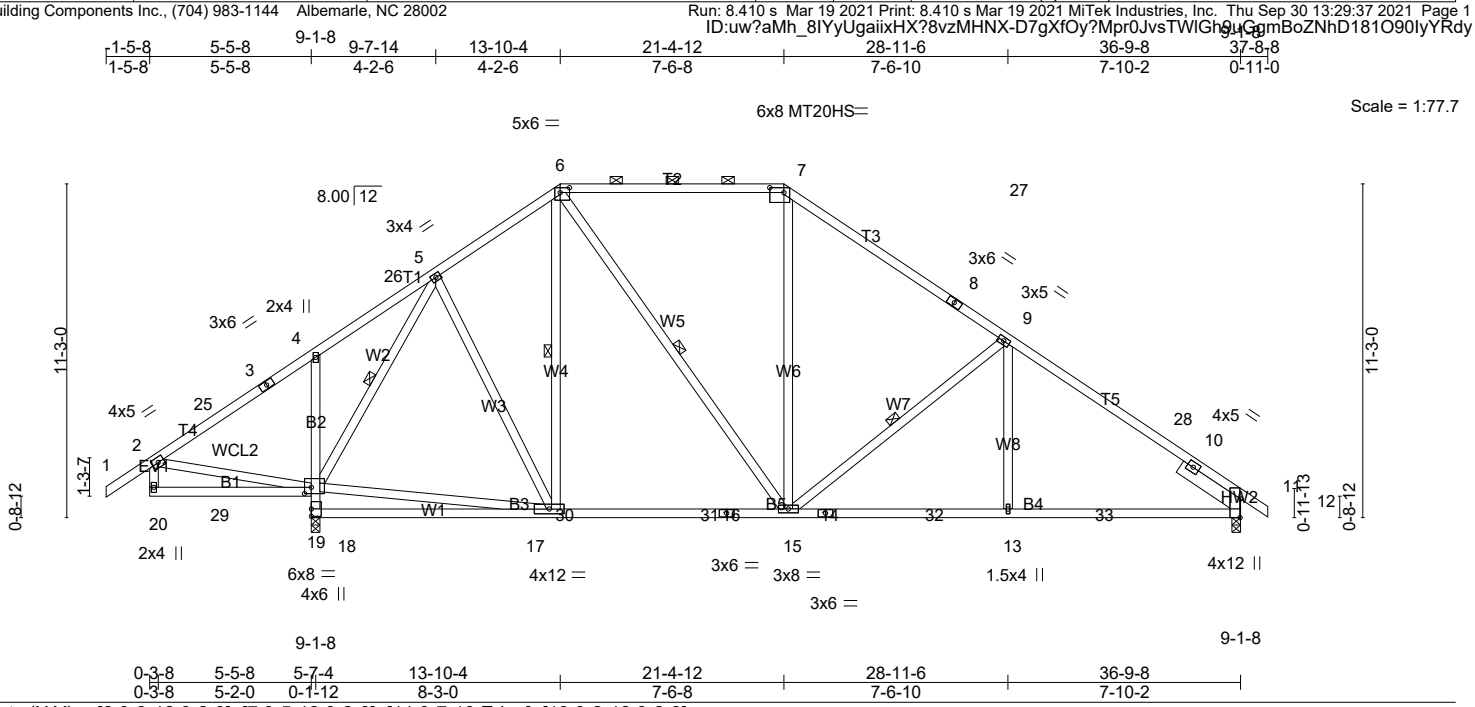

Plate Offsets (X,Y)-- [6:0-3-12,0-2-0], [7:0-5-12,0-2-0], [11:0-7-10,Edge], [19:0-2-12,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.21	15-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.33	15-17	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.07	11	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 255 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x4 SP No.3, B3,B4: 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 -œ 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins: 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
3-8-13 oc bracing: 18-19.
WEBS 1 Row at midpt 5-19, 6-17, 6-15, 9-15

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

REACTIONS. (lb/size) 18=1837/0-3-8 (min. 0-2-6), 11=1246/0-3-8 (min. 0-1-11)
Max Horz 18=-309(LC 8)
Max Uplift18=-331(LC 10), 11=-252(LC 11)
Max Grav 18=1995(LC 2), 11=1438(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-25=-291/390, 3-25=-277/408, 3-4=-264/500, 4-26=-199/355, 5-26=-178/476, 5-6=-846/244, 6-7=-968/318, 7-27=-1170/291, 8-27=-1211/262, 8-9=-1276/253, 9-28=-1624/317, 10-28=-1773/289, 10-11=-359/3
BOT CHORD 18-19=-1896/677, 4-19=-328/241, 17-18=-255/327, 17-30=-131/764, 30-31=-131/764, 16-31=-131/764, 15-16=-131/764, 14-15=-118/1402, 14-32=-118/1402, 13-32=-118/1402, 13-33=-118/1402, 11-33=-118/1402
WEBS 17-19=-60/454, 5-19=-1618/438, 5-17=-101/621, 6-17=-350/188, 6-15=-151/577, 7-15=-13/340, 9-15=-694/321, 9-13=0/351, 2-19=-450/403

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-5-8 to 2-2-10, Interior(1) 2-2-10 to 8-7-12, Exterior(2R) 8-7-12 to 26-7-3, Interior(1) 26-7-3 to 34-0-6, Exterior(2E) 34-0-6 to 37-8-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=331, 11=252.
8) 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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T07	Piggyback Base	1	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002 Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:39 2021 Page 1
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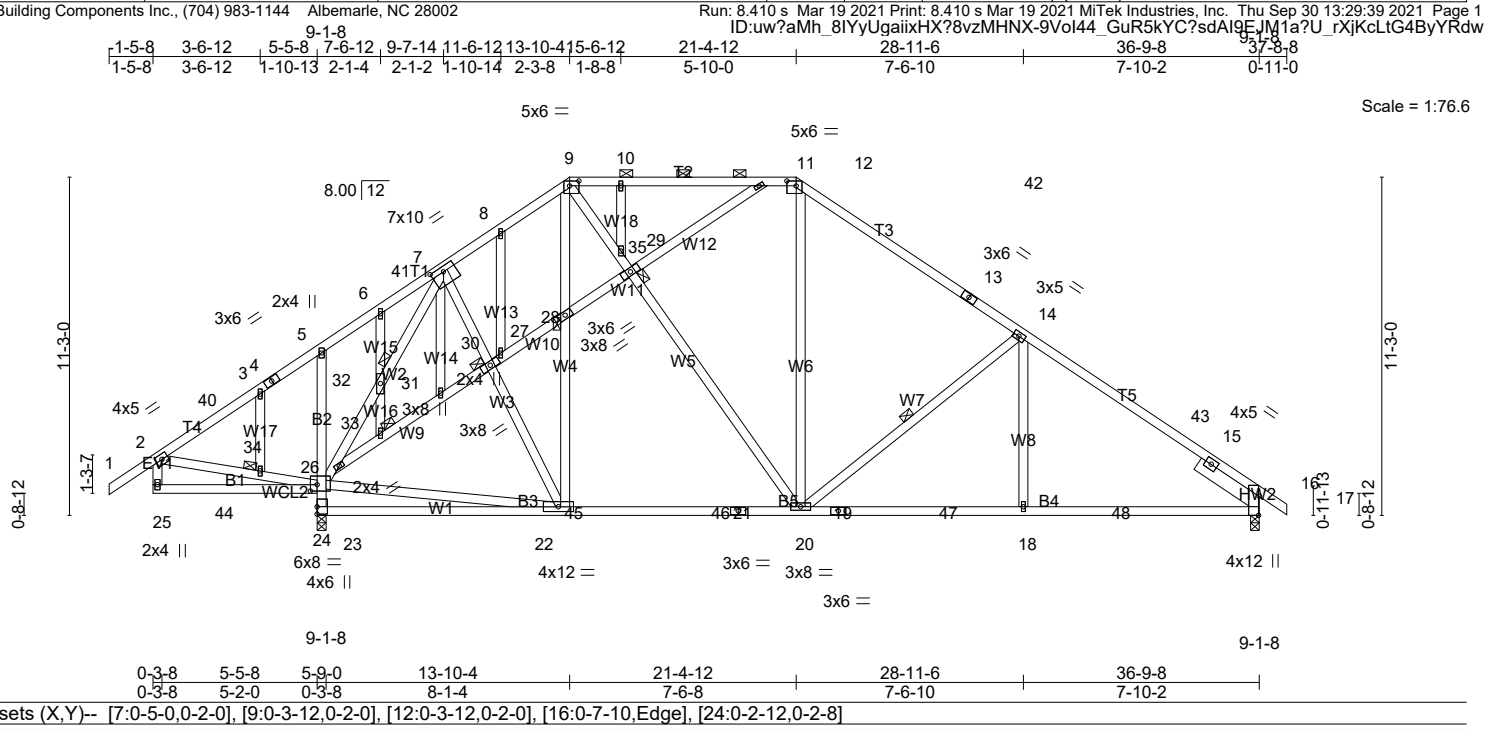

Plate Offsets (X,Y)-- [7:0-5-0,0-2-0], [9:0-3-12,0-2-0], [12:0-3-12,0-2-0], [16:0-7-10,Edge], [24:0-2-12,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.92	Vert(LL)	-0.21	20-22	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.84	Vert(CT)	-0.33	20-22	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.07	16	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 305 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x4 SP No.3, B3,B4: 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 -œ 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-5-14 max.): 9-12.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
3-8-13 oc bracing: 23-24.
WEBS 1 Row at midpt 14-20
JOINTS 1 Brace at Jt(s): 27, 28, 29, 32, 33, 34

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

REACTIONS. (lb/size) 16=1246/0-3-8 (min. 0-1-11), 23=1837/0-3-8 (min. 0-2-6)
Max Horz 23=-309(LC 8)
Max Uplift16=-252(LC 11), 23=-331(LC 10)
Max Grav 16=1438(LC 18), 23=1995(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-40=-302/397, 3-40=-289/444, 3-4=-267/432, 4-5=-257/491, 5-6=-207/431, 6-41=-187/431, 7-41=-178/475, 7-8=-677/200, 8-9=-674/243, 9-10=-822/306, 10-11=-822/306, 11-12=-963/319, 12-42=-1167/292, 13-42=-1211/263, 13-14=-1276/253, 14-43=-1624/317, 15-43=-1773/289, 15-16=-362/0
BOT CHORD 23-24=-1895/677, 5-24=-288/196, 22-23=-262/323, 22-45=-184/847, 45-46=-184/847, 21-46=-184/847, 20-21=-184/847, 19-20=-118/1403, 19-47=-118/1403, 18-47=-118/1403, 18-48=-118/1403, 16-48=-118/1403
WEBS 22-24=-112/581, 24-26=-1703/472, 26-32=-1302/330, 7-32=-1343/328, 7-27=-68/556, 22-27=-52/509, 9-35=-166/542, 29-35=-139/485, 20-29=-138/484, 12-20=-31/422, 14-20=-694/319, 14-18=0/351, 2-34=-435/395, 24-34=-446/401, 26-33=-481/163, 31-33=-464/167, 27-31=-474/165, 27-30=-425/204, 28-30=-353/181, 28-29=-381/178, 11-29=-256/93, 10-35=-257/161

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-5-8 to 2-2-10, Interior(1) 2-2-10 to 8-7-12, Exterior(2R) 8-7-12 to 26-7-3, Interior(1) 26-7-3 to 34-0-6, Exterior(2E) 34-0-6 to 37-8-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=252, 23=331.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T07	Piggyback Base	1	1	Job Reference (optional)

NOTES-

8) 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.

9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T08	Piggyback Base	1	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

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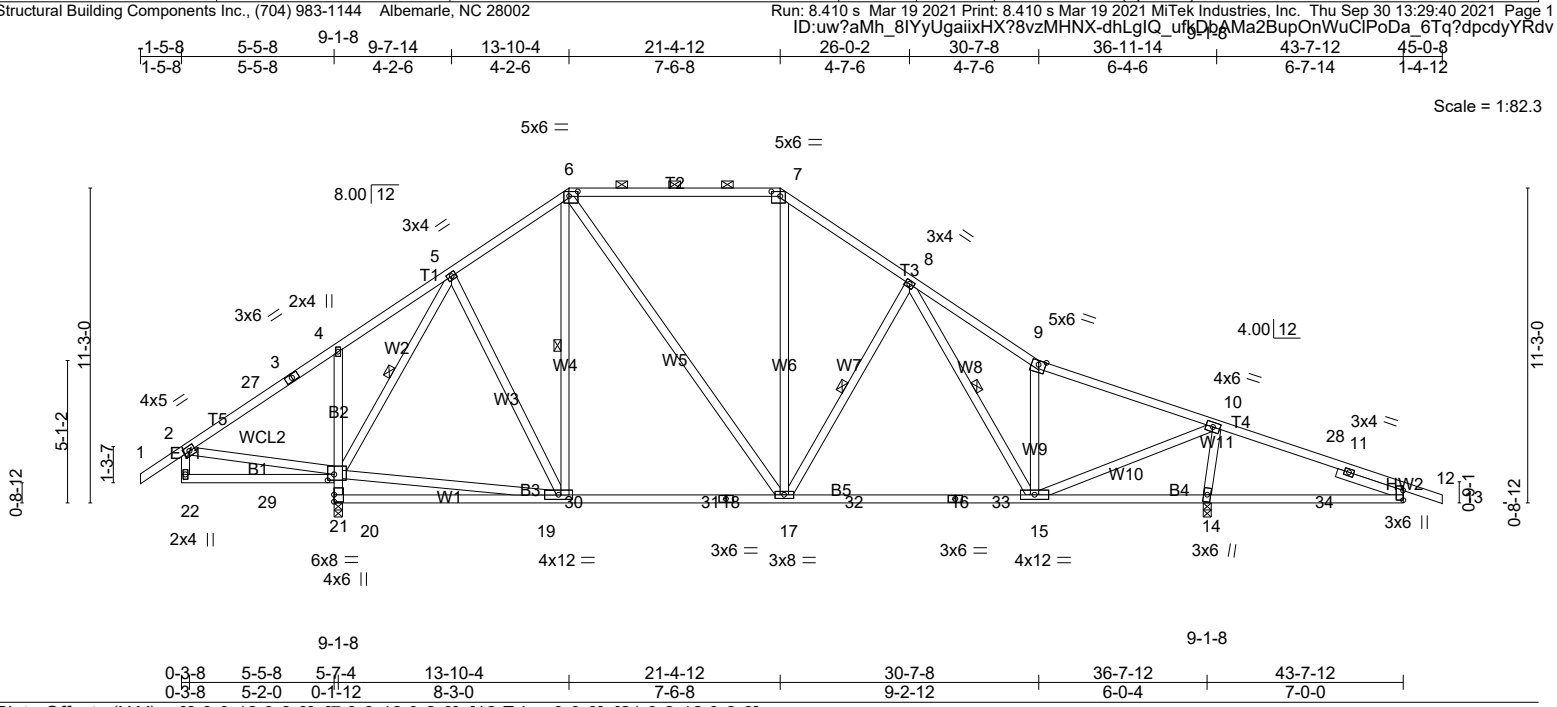

Plate Offsets (X,Y)-- [6:0-3-12,0-2-0], [7:0-3-12,0-2-0], [12:Edge,0-0-0], [21:0-2-12,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.23	15-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.97	Vert(CT)	-0.39	15-17	>947	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.01	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 297 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T2: 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Right 2x4 SP No.3 -œ 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-11 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-21, 6-19, 8-17, 8-15

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

REACTIONS. (lb/size) 20=1747/0-3-8 (min. 0-2-4), 14=1913/0-3-8 (min. 0-2-7)
Max Horz 20=-332(LC 8)
Max Uplift 20=-325(LC 10), 14=-480(LC 7)
Max Grav 20=1905(LC 2), 14=2080(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-27=-495/408, 3-27=-480/412, 3-4=-468/500, 4-5=-345/476, 5-6=-766/228, 6-7=-840/290, 7-8=-1079/273, 8-9=-1272/272, 9-10=-1154/145, 10-28=-1031/833, 11-28=-1033/759, 11-12=-293/498
BOT CHORD 20-21=-1802/1048, 4-21=-329/241, 19-20=-123/347, 19-30=0/717, 30-31=0/717, 18-31=0/717, 17-18=0/717, 17-32=-4/1044, 16-32=-4/1044, 16-33=-4/1044, 15-33=-4/1044, 14-15=-975/1168, 14-34=-714/1035, 12-34=-714/1035
WEBS 19-21=-54/405, 5-21=-1517/604, 5-19=-107/579, 6-19=-308/182, 6-17=-119/479, 7-17=-37/324, 8-17=-356/239, 8-15=-75/419, 9-15=-527/247, 10-15=-839/2099, 10-14=-1823/925, 2-21=-450/688

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-5-8 to 2-10-14, Interior(1) 2-10-14 to 9-5-13, Exterior(2R) 9-5-13 to 26-0-2, Interior(1) 26-0-2 to 40-8-2, Exterior(2E) 40-8-2 to 45-0-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=325, 14=480.
7) 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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T09	Piggyback Base	4	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

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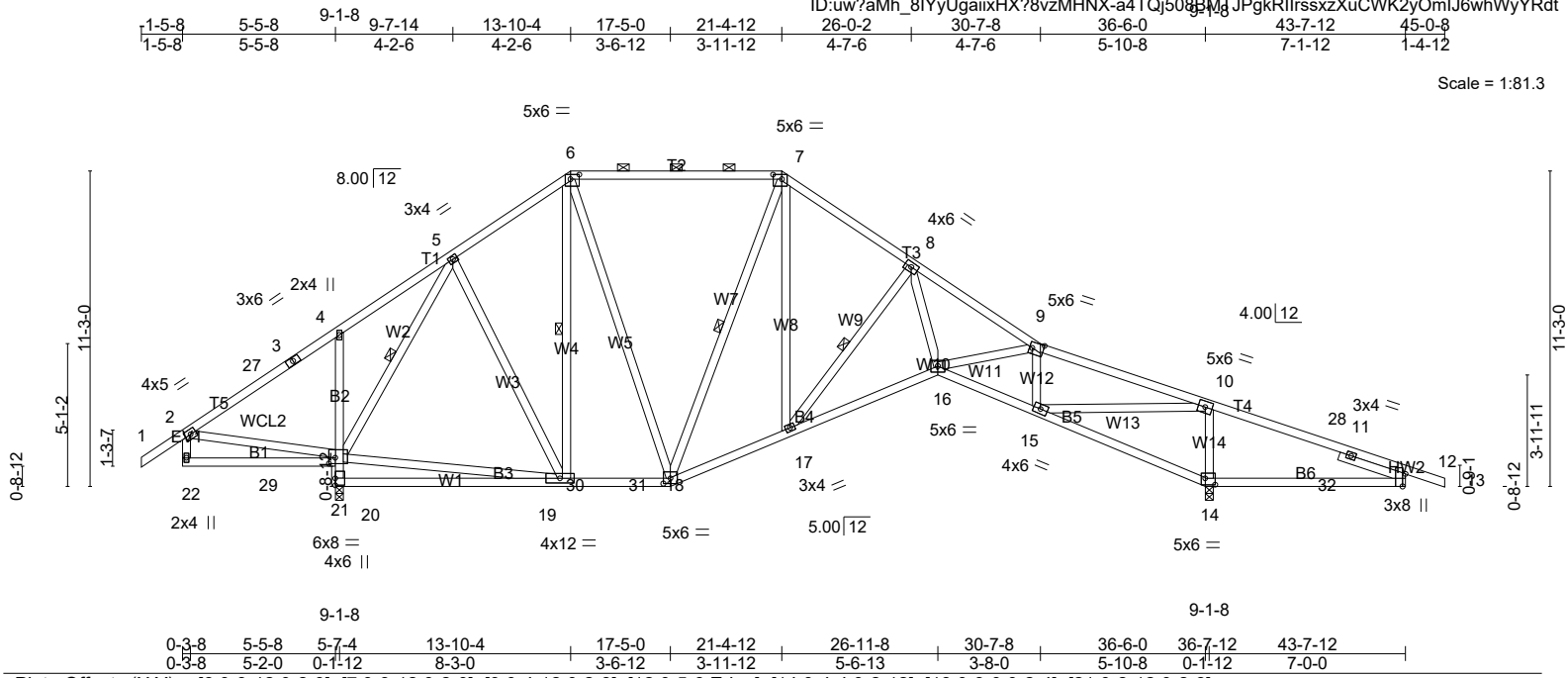

Plate Offsets (X,Y)-- [6:0-3-12,0-2-0], [7:0-3-12,0-2-0], [9:0-4-12,0-2-8], [12:0-5-6,Edge], [14:0-4-4,0-2-12], [18:0-3-0,0-2-4], [21:0-2-12,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.98	Vert(LL)	-0.16	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.32	16-17	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.20	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 302 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* T4: 2x4 SP No.1
BOT CHORD	2x4 SP No.2 *Except* B2: 2x4 SP No.3
WEBS	2x4 SP No.3 *Except* W13: 2x4 SP No.2
SLIDER	Right 2x4 SP No.3 -œ 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-8 oc purlins, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 3-9-9 oc bracing.
WEBS	1 Row at midpt 5-21, 6-19, 7-18, 8-17

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

REACTIONS. (lb/size) 20=1739/0-3-8 (min. 0-2-3), 14=1921/0-3-8 (min. 0-2-6)
Max Horz 20=-332(LC 8)
Max Uplift20=-324(LC 10), 14=-485(LC 7)
Max Grav 20=1850(LC 2), 14=2031(LC 2)

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

TOP CHORD	2-27=-495/408, 3-27=-480/412, 3-4=-468/500, 4-5=-345/476, 5-6=-710/229, 6-7=-678/264, 7-8=-1143/234, 8-9=-2565/177, 9-10=-2138/137, 10-28=-1104/897, 11-28=-1107/818, 11-12=-364/622
BOT CHORD	20-21=-1733/1047, 4-21=-328/241, 19-20=-118/357, 19-30=0/675, 30-31=0/675, 18-31=0/675, 17-18=0/1049, 16-17=-9/1963, 15-16=-36/2186, 14-15=-961/1249, 14-32=-770/1104, 12-32=-770/1104
WEBS	19-21=-59/347, 5-21=-1445/602, 5-19=-106/547, 6-19=-329/171, 6-18=-91/419, 7-18=-701/42, 7-17=-23/1009, 8-17=-1455/143, 8-16=0/1715, 9-16=-358/315, 9-15=-992/224, 10-15=-279/2557, 10-14=-1408/500, 2-21=-450/688

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-5-8 to 2-10-14, Interior(1) 2-10-14 to 9-5-13, Exterior(2R) 9-5-13 to 26-0-2, Interior(1) 26-0-2 to 40-8-2, Exterior(2E) 40-8-2 to 45-0-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 20=324, 14=485.
7) 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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T10	Piggyback Base	4	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

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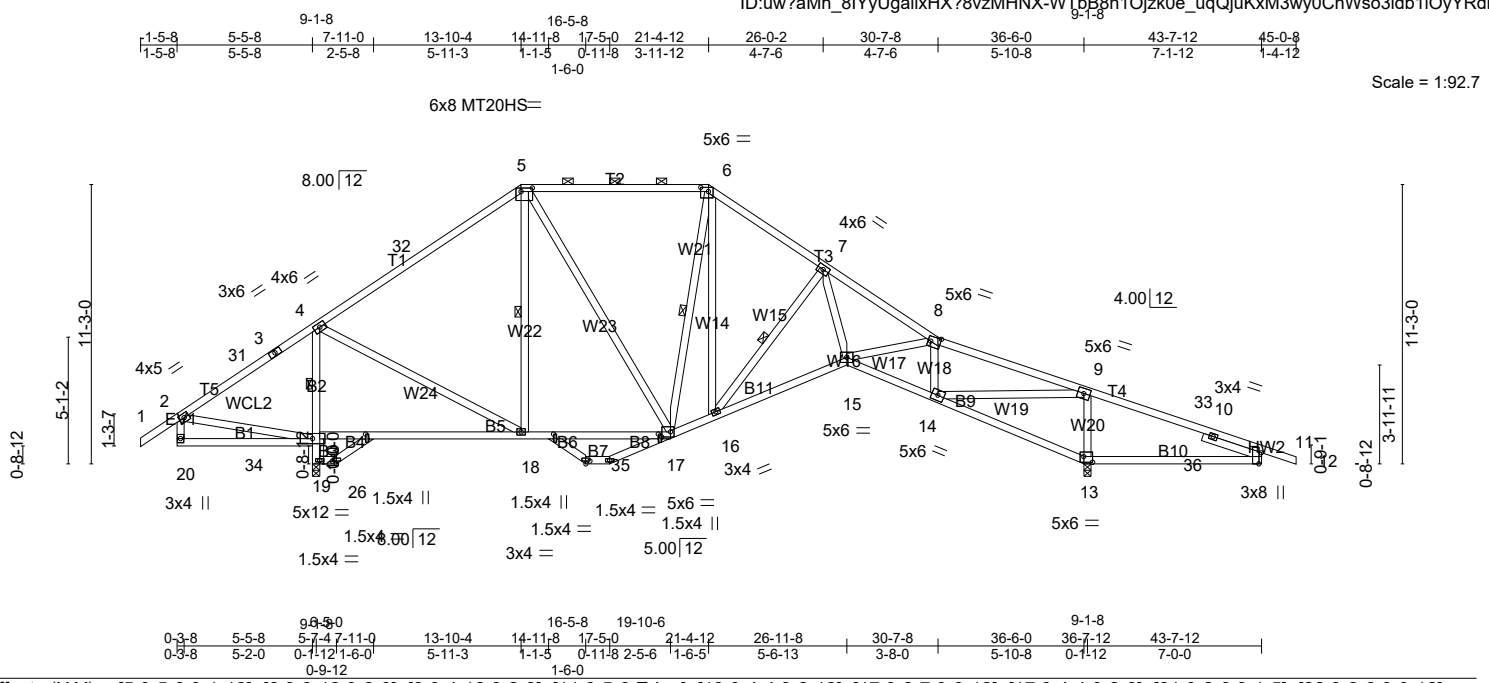

Plate Offsets (X,Y)-- [5:0-5-8,0-1-12], [6:0-3-12,0-2-0], [8:0-4-12,0-2-8], [11:0-5-6,Edge], [13:0-4-4,0-2-12], [17:0-2-7,0-0-12], [17:0-4-4,0-2-8], [21:0-2-0,0-1-5], [22:0-2-6,0-0-12], [23:0-2-6,0-0-12], [24:0-2-0,0-1-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.17	15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.80	Vert(CT)	-0.33	15-16	>999	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.20	13	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 287 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* T2,T4: 2x4 SP No.1
BOT CHORD	2x4 SP No.2 *Except* B2: 2x4 SP No.3
WEBS	2x4 SP No.3 *Except* W19: 2x4 SP No.2
SLIDER	Right 2x4 SP No.3 -œ 2-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-4-3 oc purlins, except end verticals, and 2-0-0 oc purlins (4-10-5 max.): 5-6.
BOT CHORD	Rigid ceiling directly applied or 3-4-2 oc bracing. Except: 1 Row at midpt 4-19
WEBS	1 Row at midpt 7-16, 6-17, 5-18

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

REACTIONS. (lb/size) 13=1921/0-3-8 (min. 0-2-6), 26=1739/0-3-8 (min. 0-1-8)
Max Horz 26=-332(LC 8)
Max Uplift13=-485(LC 7), 26=-323(LC 10)
Max Grav 13=2039(LC 2), 26=1863(LC 2)

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

TOP CHORD	2-31=-490/378, 3-31=-469/399, 3-4=-462/488, 4-32=-928/155, 5-32=-804/179, 5-6=-815/255, 6-7=-1156/232, 7-8=-2593/180, 8-9=-2158/139, 9-33=-1104/897, 10-33=-1107/818, 10-11=-364/622
BOT CHORD	19-26=-1863/1014, 4-19=-1548/748, 18-19=-302/550, 18-35=0/778, 17-35=0/778, 14-15=-38/2206, 13-14=-961/1249, 13-36=-770/1104, 11-36=-770/1104, 16-17=0/1048, 15-16=-11/1985
WEBS	6-16=-25/974, 7-16=-1472/143, 7-15=0/1736, 8-15=-359/321, 8-14=-1002/225, 9-14=-281/2577, 9-13=-1416/500, 2-19=-363/630, 6-17=-617/49, 5-18=-309/259, 5-17=-134/380, 4-18=-327/1080

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-5-8 to 2-10-14, Interior(1) 2-10-14 to 9-5-13, Exterior(2R) 9-5-13 to 26-0-2, Interior(1) 26-0-2 to 40-8-2, Exterior(2E) 40-8-2 to 45-0-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Bearing at joint(s) 26 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=485, 26=323.
9) 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-

10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T11	Piggyback Base	1	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

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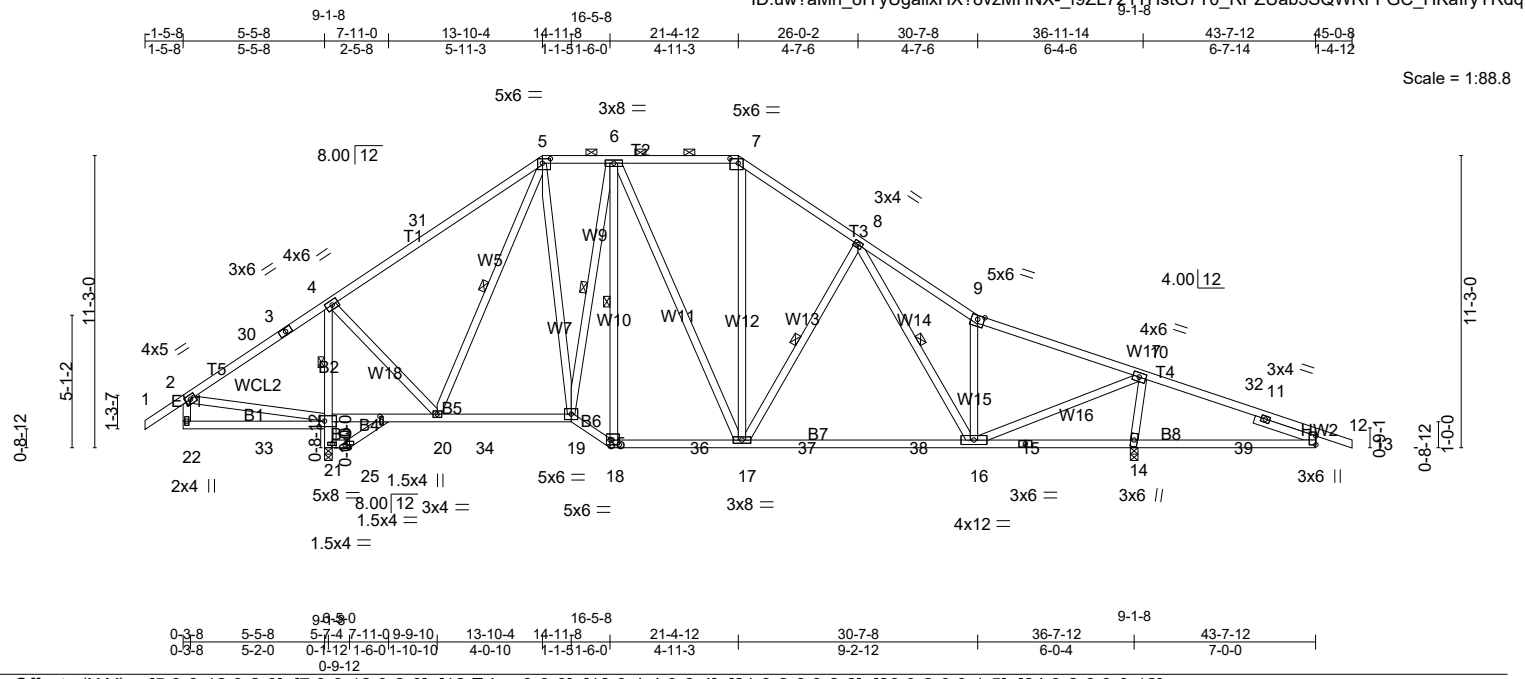

Plate Offsets (X,Y)-- [5:0-3-12,0-2-0], [7:0-3-12,0-2-0], [12:Edge,0-0-0], [18:0-4-4,0-2-4], [21:0-2-8,0-2-8], [23:0-2-0,0-1-5], [24:0-2-6,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.27	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.46	16-17	>815	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.10	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 317 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Right 2x4 SP No.3 -œ 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 3-0-9 oc bracing. Except:
1 Row at midpt 4-21
WEBS 1 Row at midpt 5-20, 6-19, 6-18, 8-17, 8-16

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

REACTIONS. (lb/size) 14=1913/0-3-8 (min. 0-2-7), 25=1747/0-3-8 (min. 0-1-8)
Max Horz 25=-329(LC 8)
Max Uplift14=-481(LC 7), 25=-324(LC 10)
Max Grav 14=2085(LC 2), 25=1920(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-30=-507/389, 3-30=-485/436, 3-4=-479/501, 4-31=-666/167, 5-31=-545/191, 5-6=-741/250, 6-7=-835/288, 7-8=-1083/276, 8-9=-1282/269, 9-10=-1164/142, 10-32=-1030/834, 11-32=-1033/761, 11-12=-298/496
BOT CHORD 21-25=-1920/1018, 4-21=-1687/732, 20-21=-317/554, 20-34=0/785, 34-35=0/785, 19-35=0/785, 18-19=0/994, 18-36=0/817, 17-36=0/817, 17-37=-6/1048, 37-38=-6/1048, 16-38=-6/1048, 15-16=-978/1167, 14-15=-978/1167, 14-39=-715/1035, 12-39=-715/1035
WEBS 5-20=-636/305, 5-19=-170/648, 6-19=-64/315, 6-18=-449/0, 6-17=-94/347, 7-17=-53/356, 8-17=-369/240, 8-16=-75/426, 9-16=-526/246, 10-16=-838/2112, 10-14=-1833/925, 2-21=-373/638, 4-20=-270/1079

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-5-8 to 2-10-14, Interior(1) 2-10-14 to 9-5-13, Exterior(2R) 9-5-13 to 26-0-2, Interior(1) 26-0-2 to 40-8-2, Exterior(2E) 40-8-2 to 45-0-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Bearing at joint(s) 25 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=481, 25=324.
8) 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.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T12	Piggyback Base	1	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:47 2021 Page 1
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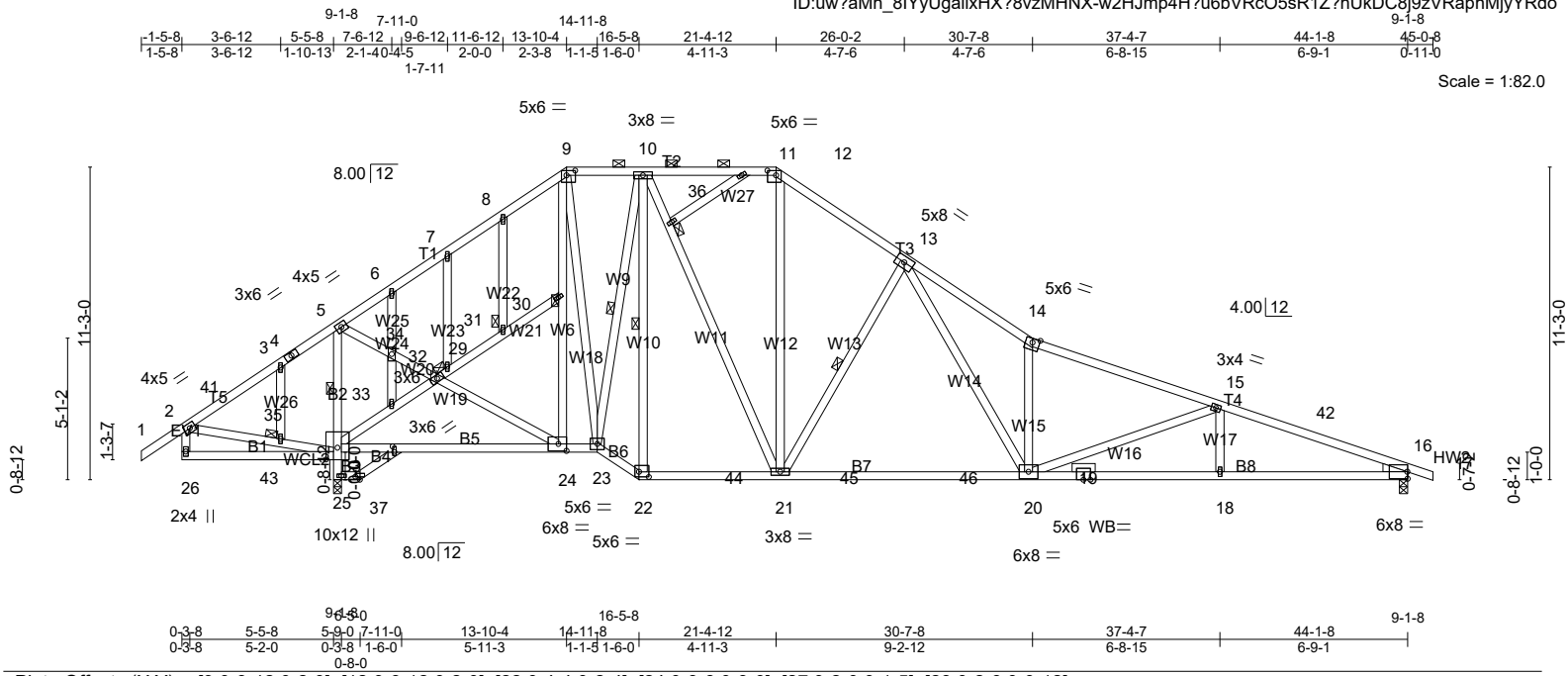

Plate Offsets (X,Y)-- [9:0-3-12,0-2-0], [12:0-3-12,0-2-0], [22:0-4-4,0-2-4], [24:0-3-8,0-3-0], [27:0-2-0,0-1-5], [28:0-2-6,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.38	20-21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.67	20-21	>695	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.15	16	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 361 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T4: 2x4 SP DSS
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x4 SP No.3, B7: 2x4 SP No.1, B8: 2x4 SP DSS
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-13 oc purlins, except end verticals, and 2-0-0 oc purlins (4-8-1 max.): 9-12.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
1 Row at midpt 5-25
WEBS 1 Row at midpt 10-23, 10-22, 13-21
JOINTS 1 Brace at Jt(s): 29, 30, 31, 35, 36

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

REACTIONS. (lb/size) 16=1550/0-3-8 (min. 0-1-11), 37=2120/0-3-8 (min. 0-1-8)
Max Horz 37=-328(LC 8)
Max Uplift16=-351(LC 11), 37=-350(LC 10)
Max Grav 16=1688(LC 2), 37=2290(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-41=-535/405, 3-41=-520/454, 3-4=-499/445, 4-5=-489/506, 5-6=-1229/195, 6-7=-1203/229, 7-8=-1251/350, 8-9=-1197/375, 9-10=-1082/414, 10-11=-1419/551, 11-12=-1408/549, 12-13=-1776/590, 13-14=-3682/986, 14-15=-3278/781, 15-42=-3769/920, 16-42=-3852/903
BOT CHORD 25-37=-2290/1199, 5-25=-1794/768, 24-25=-230/430, 23-24=0/1052, 22-23=0/1325, 22-44=0/1130, 21-44=0/1130, 21-45=-289/1991, 45-46=-289/1991, 20-46=-289/1991, 19-20=-776/3596, 18-19=-776/3596, 16-18=-776/3596
WEBS 24-30=-310/278, 9-30=-295/258, 10-23=-271/325, 10-22=-574/22, 10-36=-201/709, 21-36=-201/712, 12-21=-140/719, 13-21=-1159/463, 13-20=-509/2082, 14-20=-1256/441, 15-20=-584/298, 2-35=-428/710, 25-35=-437/715, 9-23=-334/759, 5-34=-559/1521, 29-34=-555/1518, 24-29=-362/1327, 25-33=-292/241, 29-33=-265/222

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-5-8 to 2-11-7, Interior(1) 2-11-7 to 9-5-4, Exterior(2R) 9-5-4 to 26-0-2, Interior(1) 26-0-2 to 40-7-9, Exterior(2E) 40-7-9 to 45-0-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Bearing at joint(s) 37 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=351, 37=350.

Continued on page 2

NOTES-

9) 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.

10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T13	Roof Special	1	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:49 2021 Page 1
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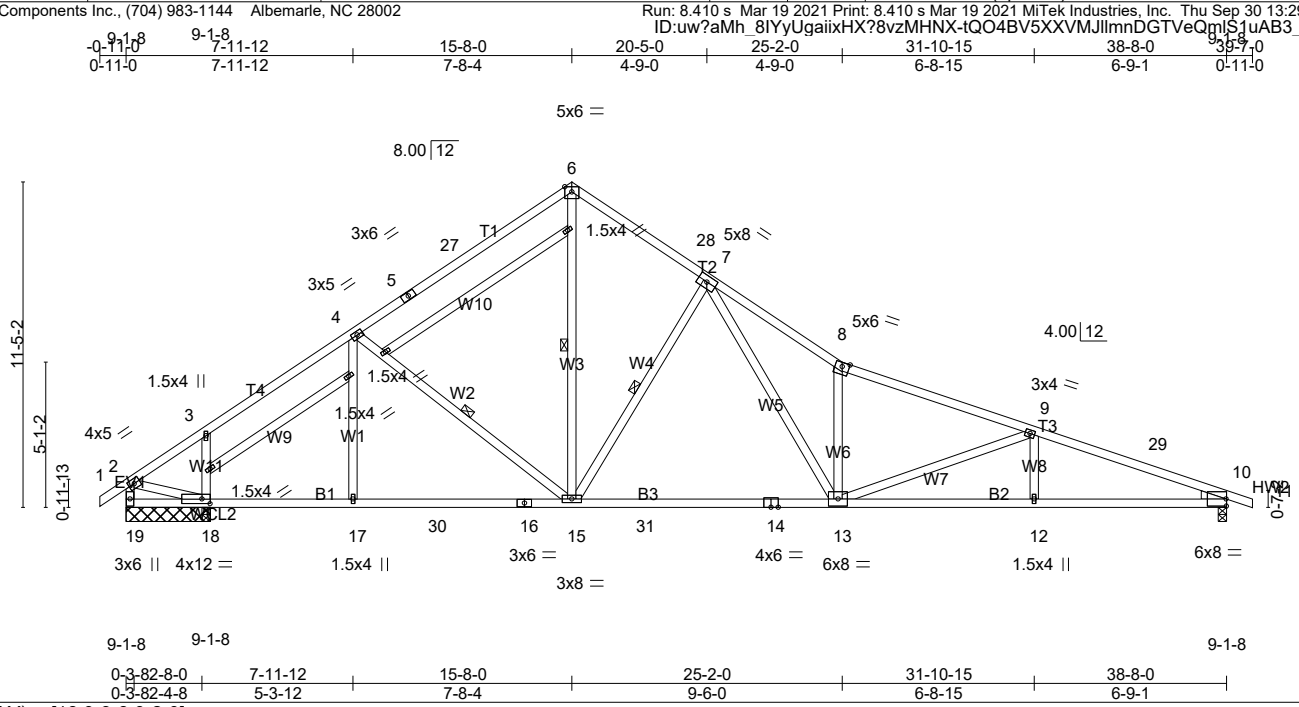

Plate Offsets (X,Y)-- [18:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.96	Vert(LL)	-0.42	13-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.74	13-15	>582	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.12	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 243 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T1: 2x4 SP No.1, T3: 2x4 SP DSS
BOT CHORD 2x4 SP No.1 *Except*
B1: 2x4 SP No.2, B2: 2x4 SP DSS
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-15, 6-15, 7-15

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

REACTIONS. (lb/size) 19=1664/2-11-8 (min. 0-2-2), 10=1600/0-3-8 (min. 0-1-12), 18=-64/2-11-8 (min. 0-2-2), 18=-64/2-11-8 (min. 0-2-2)
Max Horz 19=-338(LC 8)
Max Uplift19=-227(LC 11), 10=-356(LC 11), 18=-139(LC 19), 18=-64(LC 1)
Max Grav 19=1827(LC 2), 10=1734(LC 2), 18=71(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2240/482, 3-4=-2296/611, 4-5=-1889/585, 5-27=-1783/596, 6-27=-1779/617, 6-28=-1722/650, 7-28=-1841/626, 7-8=-3848/1089, 8-9=-3422/868, 9-29=-3945/995, 10-29=-3977/978, 2-19=-1839/478
BOT CHORD 18-19=-176/315, 17-18=-318/2042, 17-30=-318/2042, 16-30=-318/2042, 15-16=-318/2042, 15-31=-353/2102, 14-31=-353/2102, 13-14=-353/2102, 12-13=-847/3714, 10-12=-847/3714
WEBS 4-17=0/261, 4-15=-583/266, 6-15=-455/1662, 7-15=-1159/452, 7-13=-543/2154, 8-13=-1308/477, 9-13=-602/314, 3-18=-290/182, 2-18=-319/1928

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-11-0 to 2-9-12, Interior(1) 2-9-12 to 11-9-10, Exterior(2R) 11-9-10 to 19-6-6, Interior(1) 19-6-6 to 35-8-10, Exterior(2E) 35-8-10 to 39-7-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=227, 10=356, 18=139.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T14	Roof Special	3	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002 Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:50 2021 Page 1
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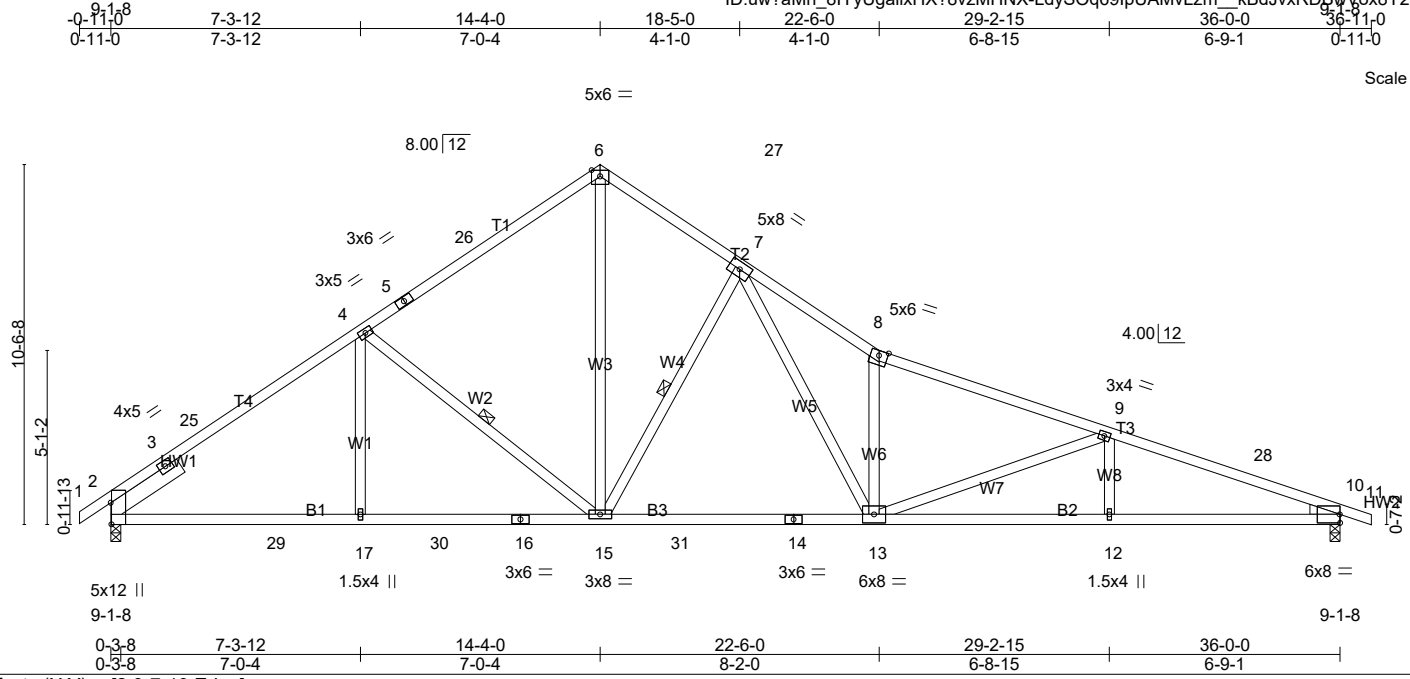

Plate Offsets (X,Y)-- [2:0-7-10,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.33	13-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.93	Vert(CT)	-0.58	13-15	>742	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.11	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 206 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.1 *Except*
T2: 2x4 SP No.2
BOT CHORD 2x4 SP No.1 *Except*
B2: 2x4 SP DSS, B3: 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Right: 2x4 SP No.3
SLIDER Left 2x6 SP No.2 -œ 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 4-15, 7-15

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

REACTIONS. (lb/size) 2=1495/0-3-8 (min. 0-2-0), 10=1495/0-3-8 (min. 0-1-10)
Max Horz 2=-293(LC 8)
Max Uplift2=-270(LC 10), 10=-336(LC 11)
Max Grav 2=1698(LC 17), 10=1616(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-297/0, 3-25=-2194/575, 4-25=-2167/601, 4-5=-1765/560, 5-26=-1670/576, 6-26=-1668/595, 6-27=-1615/625, 7-27=-1717/604, 7-8=-3434/1009, 8-9=-3060/805, 9-28=-3634/930, 10-28=-3662/914
BOT CHORD 2-29=-335/1935, 17-29=-335/1935, 17-30=-335/1935, 16-30=-335/1935, 15-16=-335/1935, 15-31=-332/1949, 14-31=-332/1949, 13-14=-332/1949, 12-13=-788/3419, 10-12=-788/3419
WEBS 4-17=0/300, 4-15=-569/290, 6-15=-458/1557, 7-15=-1099/424, 7-13=-506/1939, 8-13=-1184/446, 9-13=-636/303

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-11-0 to 2-8-3, Interior(1) 2-8-3 to 10-8-13, Exterior(2R) 10-8-13 to 17-11-3, Interior(1) 17-11-3 to 33-3-13, Exterior(2E) 33-3-13 to 36-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=270, 10=336.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T15	Common	1	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:52 2021 Page 1
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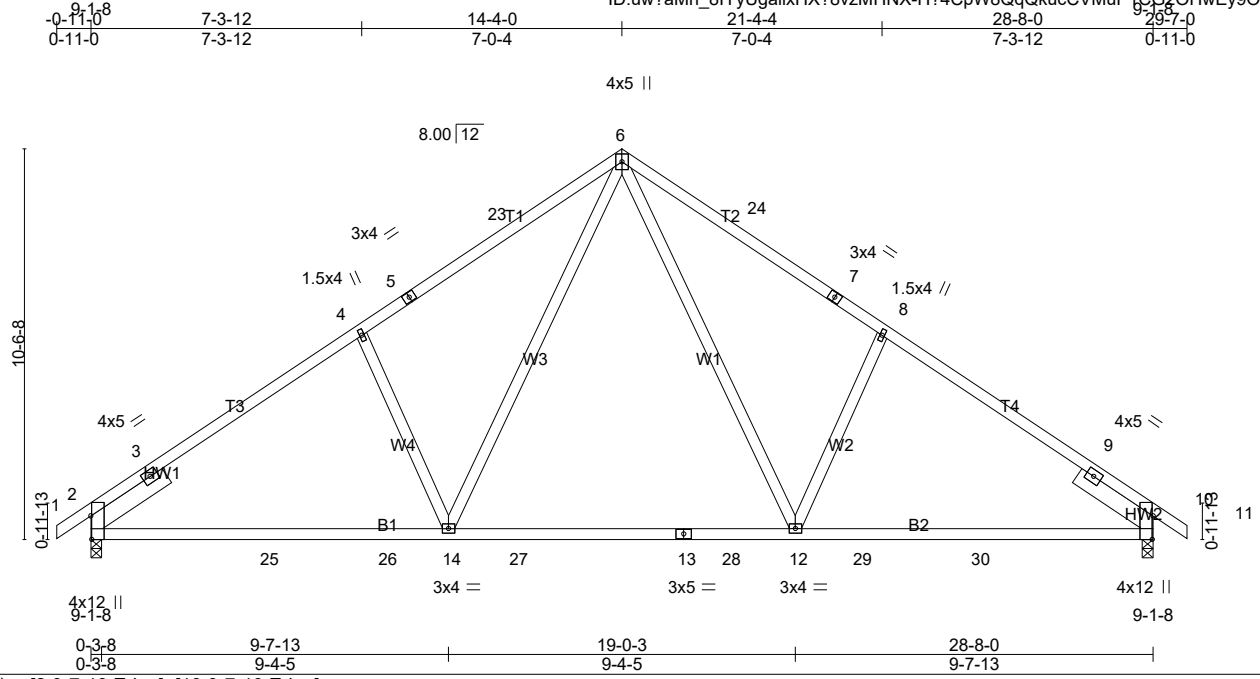

Plate Offsets (X,Y)-- [2:0-7-10,Edge], [10:0-7-10,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.26	12-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.42	12-14	>827	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 159 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 -œ 2-6-0, Right 2x6 SP No.2 -œ 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
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. (lb/size) 2=1202/0-3-8 (min. 0-1-11), 10=1202/0-3-8 (min. 0-1-10)
Max Horz 2=-271(LC 8)
Max Uplift2=-237(LC 10), 10=-237(LC 11)
Max Grav 2=1415(LC 17), 10=1415(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-494/0, 3-4=-1716/319, 4-5=-1629/364, 5-23=-1524/383, 6-23=-1516/400, 6-24=-1516/400, 7-24=-1524/383, 7-8=-1629/364, 8-9=-1716/319, 9-10=-494/0
BOT CHORD 2-25=-297/1538, 25-26=-297/1538, 14-26=-297/1538, 14-27=-69/1040, 13-27=-69/1040, 13-28=-69/1040, 12-28=-69/1040, 12-29=-137/1360, 29-30=-137/1360, 10-30=-137/1360
WEBS 6-12=-234/829, 8-12=-382/325, 6-14=-234/829, 4-14=-382/325

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior(1) 2-1-0 to 11-4-0, Exterior(2R) 11-4-0 to 17-4-0, Interior(1) 17-4-0 to 26-7-0, Exterior(2E) 26-7-0 to 29-7-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=237, 10=237.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T16	Roof Special	2	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002 Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:53 2021 Page 1
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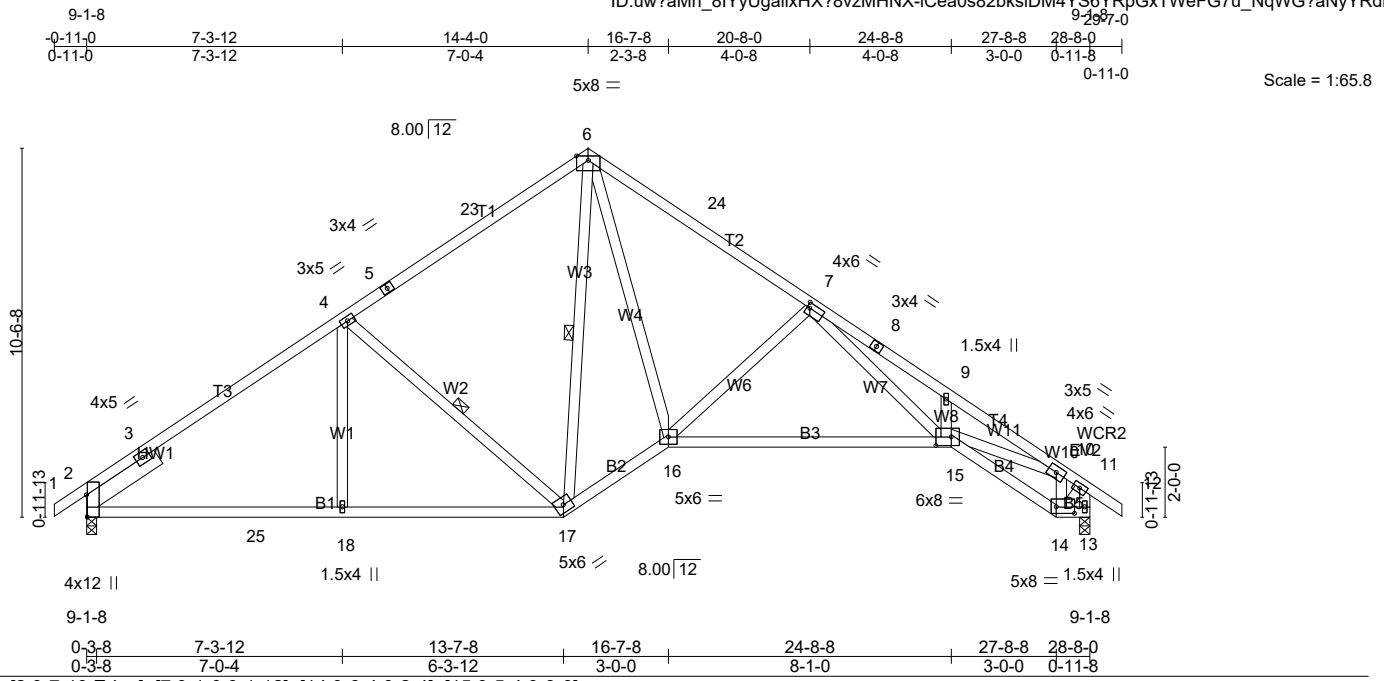

Plate Offsets (X,Y)-- [2:0-7-10,Edge], [7:0-1-0,0-1-12], [14:0-6-4,0-2-4], [15:0-5-4,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.28	15-16	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.57	15-16	>598	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.24	13	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 178 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
W11: 2x4 SP No.2
SLIDER Left 2x6 SP No.2 -œ 2-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-17, 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=1196/0-3-8 (min. 0-1-9), 13=1205/0-3-8 (min. 0-1-8)
Max Horz 2=293(LC 9)
Max Uplift2=-237(LC 10), 13=-239(LC 11)
Max Grav 2=1348(LC 17), 13=1333(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-281/11, 3-4=-1644/308, 4-5=-1219/299, 5-23=-1125/318, 6-23=-1108/334, 6-24=-1580/351, 7-24=-1672/335, 7-8=-3655/610, 8-9=-3741/595, 9-10=-3778/498, 10-11=-986/184, 11-13=-1299/251
BOT CHORD 2-25=-275/1480, 18-25=-275/1480, 17-18=-275/1480, 16-17=-66/1280, 15-16=-174/1800, 14-15=-143/855
WEBS 4-18=0/306, 4-17=-608/288, 6-16=-93/1353, 7-16=-750/320, 7-15=-284/1920, 10-14=-1146/227, 10-15=-212/2501, 11-14=-201/1054

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior(1) 2-1-0 to 11-4-0, Exterior(2R) 11-4-0 to 17-4-0, Interior(1) 17-4-0 to 26-7-0, Exterior(2E) 26-7-0 to 29-7-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=237, 13=239.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T17	Roof Special	2	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002 Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:54 2021 Page 1
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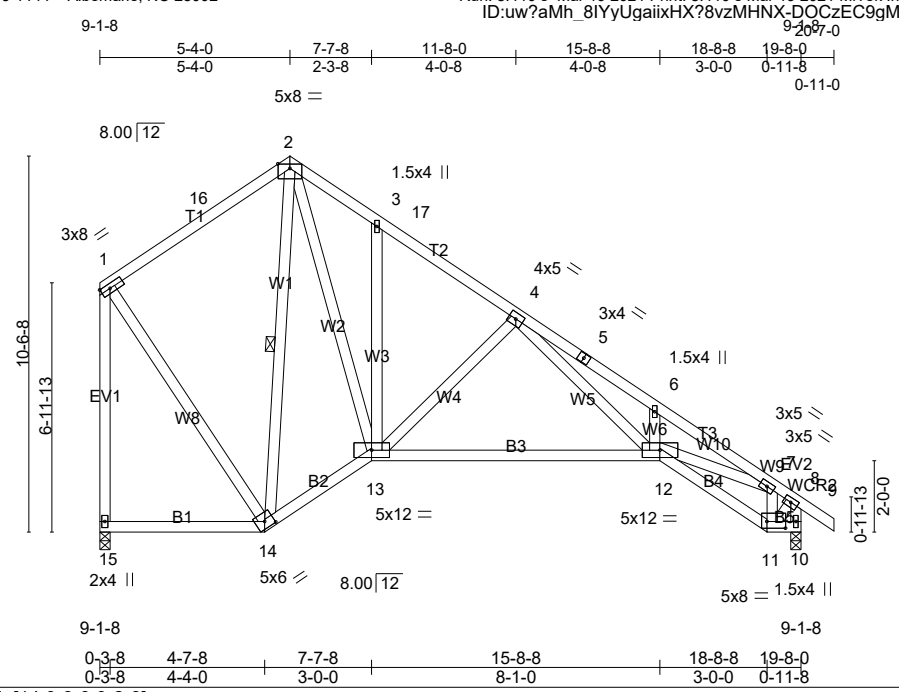

Plate Offsets (X,Y)-- [11:0-6-4,0-2-4], [14:0-3-0,0-2-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.19	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.43	12-13	>545	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.14	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS							Weight: 152 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-14

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

REACTIONS. (lb/size) 15=773/0-3-8 (min. 0-1-8), 10=840/0-3-8 (min. 0-1-8)
Max Horz 15=-378(LC 6)
Max Uplift15=-180(LC 11), 10=-173(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-411/221, 2-16=-377/234, 2-3=-678/272, 3-17=-629/194, 4-17=-732/185, 4-5=-2159/432, 5-6=-2212/420, 6-7=-2229/291, 7-8=-588/132, 1-15=-727/211, 8-10=-820/187
BOT CHORD 14-15=-242/323, 13-14=-79/518, 12-13=0/899, 11-12=-92/520
WEBS 2-14=-544/0, 2-13=-115/859, 4-13=-506/234, 4-12=-269/1286, 1-14=-83/517, 7-11=-705/151, 7-12=-83/1425, 8-11=-133/647

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Exterior(2R) 3-1-12 to 8-4-0, Interior(1) 8-4-0 to 17-7-0, Exterior(2E) 17-7-0 to 20-7-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=180, 10=173.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T18	ROOF SPECIAL	3	1	Job Reference (optional)

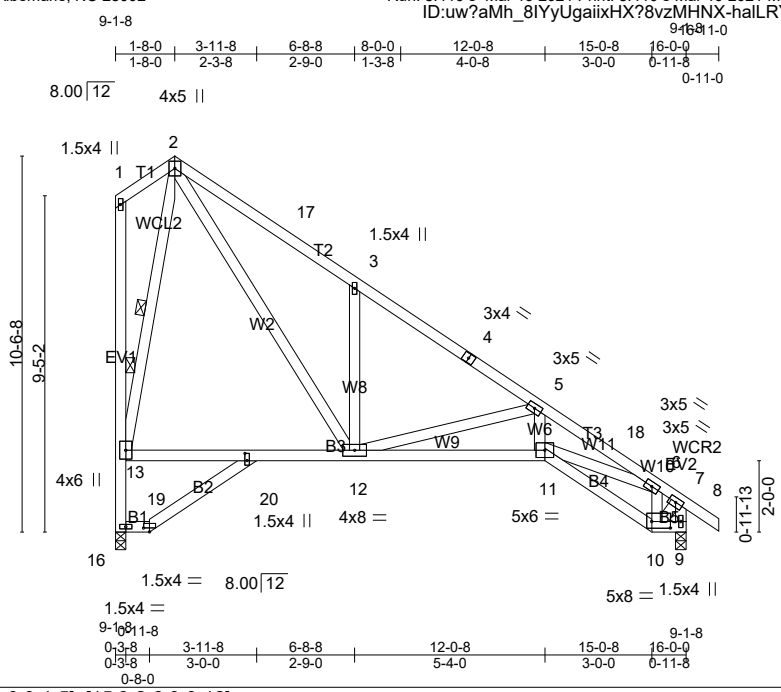

Plate Offsets (X,Y)-- [10:0-6-4,0-2-4], [14:0-2-0,0-1-5], [15:0-2-6,0-0-12]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.12	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.20	12-13	>960	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	-0.16	16	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP							Weight: 125 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B1: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-6-14 oc bracing.
WEBS 1 Row at midpt 1-16, 2-13

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

REACTIONS. (lb/size) 9=694/0-3-8 (min. 0-1-8), 16=626/0-3-8 (min. 0-1-8)
Max Horz 9=-417(LC 8)
Max Uplift 9=-129(LC 11), 16=-212(LC 11)
Max Grav 9=761(LC 18), 16=828(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-824/340, 3-17=-910/318, 3-4=-770/149, 4-5=-831/131, 5-18=-2166/541, 6-18=-2209/530, 6-7=-520/126, 13-16=-828/212, 7-9=-747/175
BOT CHORD 11-12=-603/1885, 10-11=-387/659, 9-10=-413/265
WEBS 2-12=-397/1156, 5-11=-258/835, 2-13=-711/194, 3-12=-402/299, 5-12=-1145/443, 6-10=-676/210, 6-11=-355/1488, 7-10=-63/591

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 1-8-0, Exterior(2R) 1-8-0 to 4-8-0, Interior(1) 4-8-0 to 13-11-0, Exterior(2E) 13-11-0 to 16-11-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=129, 16=212.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T19	Common	1	2	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:56 2021 Page 1
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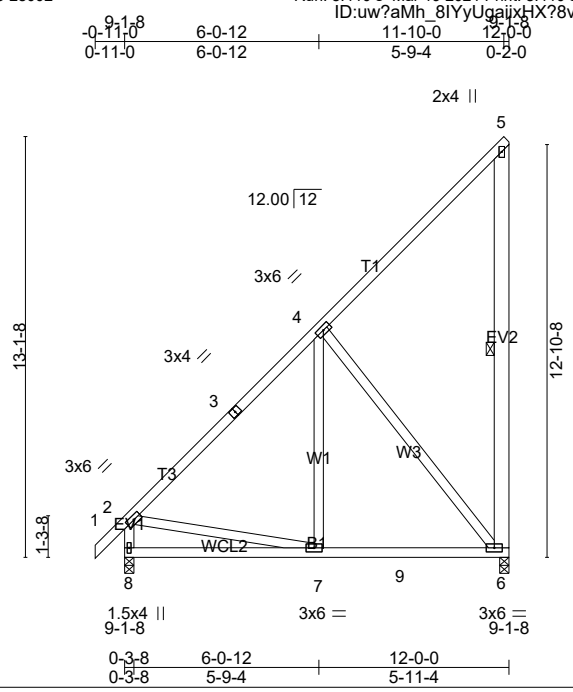

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.02	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.04	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP							Weight: 214 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except*
	EV2: 2x6 SP 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.
WEBS	1 Row at midpt 5-6

REACTIONS. (lb/size) 8=532/0-3-8 (min. 0-1-8), 6=462/0-3-8 (min. 0-1-8)
Max Horz 8=534(LC 7)
Max Uplift 8=-41(LC 6), 6=-304(LC 7)
Max Grav 8=711(LC 18), 6=711(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-649/108, 3-4=-482/134, 4-5=-348/227, 2-8=-634/182
BOT CHORD 7-8=-528/327, 7-9=-221/396, 6-9=-221/396
WEBS 4-7=0/299, 2-7=-82/462, 4-6=-552/348

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
   Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
   Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior(1) 2-1-0 to 8-9-4, Exterior(2E) 8-9-4 to 11-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 6=304.
7) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T20	Common	7	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002 Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:57 2021 Page 1
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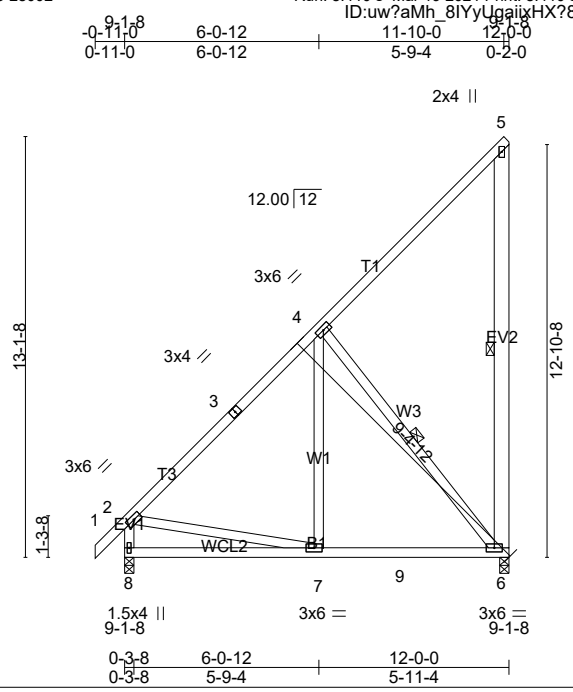

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.04	6-7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.07	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP							Weight: 107 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
EV2: 2x6 SP 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 7-11-13 oc bracing.
WEBS 1 Row at midpt 5-6, 4-6

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

REACTIONS. (lb/size) 8=532/0-3-8 (min. 0-1-8), 6=462/0-3-8 (min. 0-1-8)
Max Horz 8=534(LC 7)
Max Uplift 8=-41(LC 6), 6=-304(LC 7)
Max Grav 8=711(LC 18), 6=711(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-649/108, 3-4=-482/134, 4-5=-348/227, 2-8=-634/182
BOT CHORD 7-8=-528/327, 7-9=-221/396, 6-9=-221/396
WEBS 4-7=0/299, 2-7=-82/462, 4-6=-552/348

NOTES-
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-11-0 to 2-1-0, Interior(1) 2-1-0 to 8-9-4, Exterior(2E) 8-9-4 to 11-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 6=304.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	PAMI/Elliott Bridge Rd.
B-80605	T21	Common Supported Gable	1	1	Job Reference (optional)

Structural Building Components Inc., (704) 983-1144 Albemarle, NC 28002

Run: 8.410 s Mar 19 2021 Print: 8.410 s Mar 19 2021 MiTek Industries, Inc. Thu Sep 30 13:29:58 2021 Page 1
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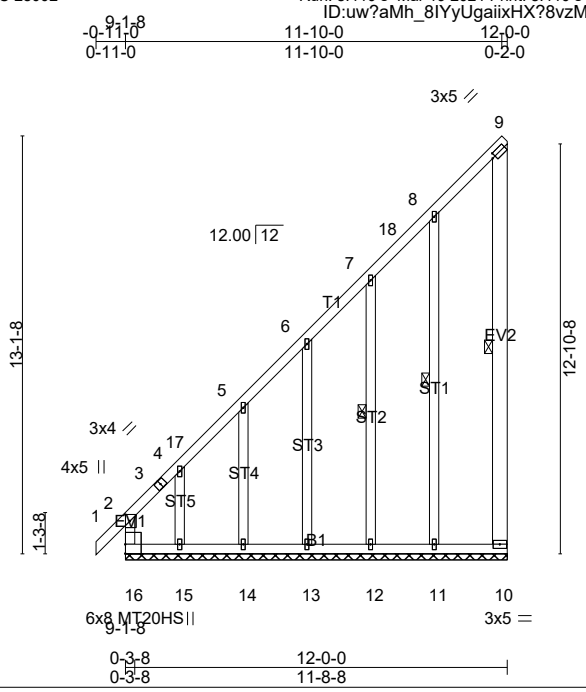

Plate Offsets (X,Y)-- [2:0-2-8,0-1-12], [9:0-1-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	-0.00	2	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.00	2	n/r	120	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 124 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
EV2: 2x6 SP No.2
OTHERS 2x4 SP 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.
WEBS 1 Row at midpt 9-10, 8-11, 7-12

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

REACTIONS. All bearings 12-0-0.
(lb) - Max Horz 16=534(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 14 except 16=-369(LC 8), 10=-197(LC 9), 11=-145(LC 10), 12=-115(LC 10), 13=-146(LC 10), 15=-478(LC 10)
Max Grav All reactions 250 lb or less at joint(s) 10, 11, 12, 13, 14 except 16=693(LC 7), 15=379(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-520/275, 2-3=-653/385, 3-4=-646/405, 4-17=-439/256, 5-17=-436/282, 5-6=-395/253, 6-7=-350/219, 7-18=-335/219, 8-18=-310/225
BOT CHORD 15-16=-226/284, 14-15=-226/284, 13-14=-226/284, 12-13=-226/284, 11-12=-226/284, 10-11=-226/284
WEBS 4-15=-215/425

NOTES-
1) Wind: ASCE 7-16; Vult=135mph (3-second gust) Vasd=107mph; TCDL=5.0psf; BCDL=5.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-11-0 to 2-1-0, Exterior(2N) 2-1-0 to 8-9-4, Corner(3E) 8-9-4 to 11-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) All plates are MT20 plates unless otherwise indicated.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 16=369, 10=197, 11=145, 12=115, 13=146, 15=478.
11) 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.

LOAD CASE(S) Standard