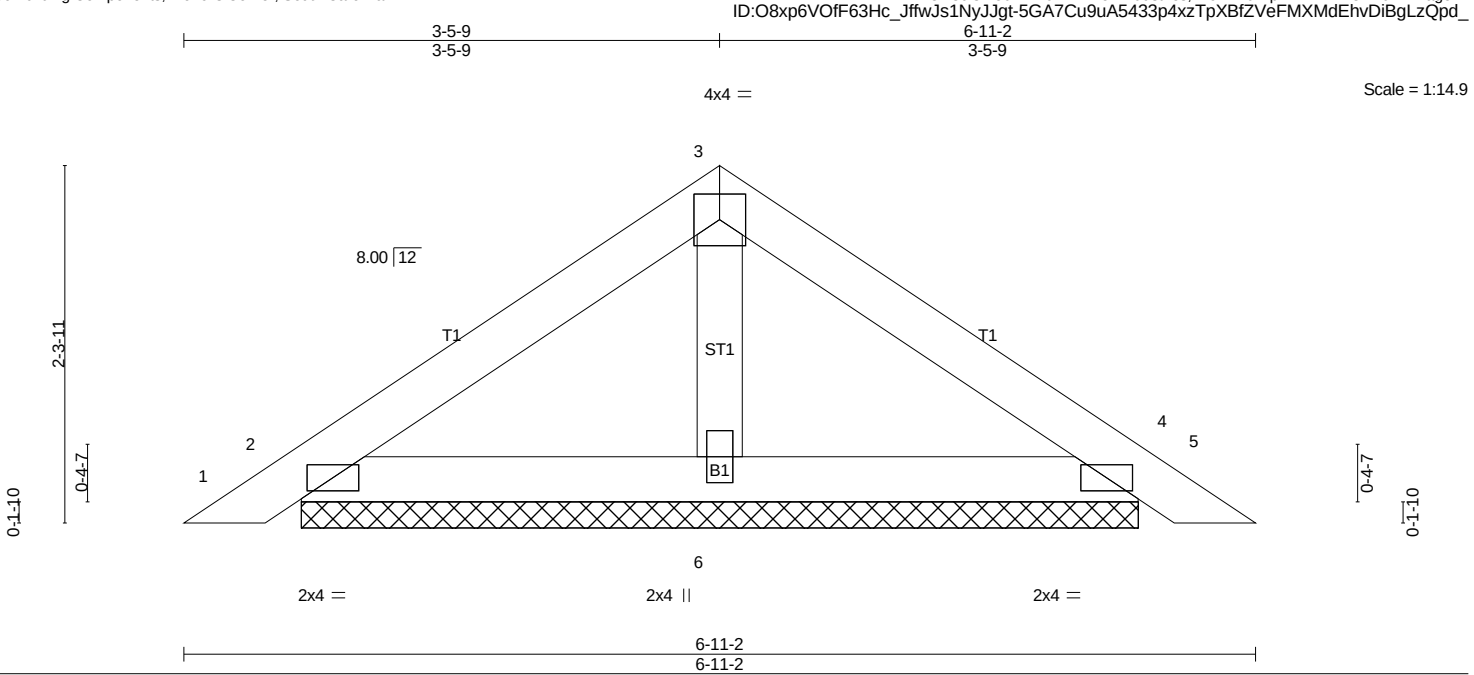
Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	PB01	Piggyback	2	1	Job Reference (optional)



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 0.12	Vert(LL) 0.00 5 n/r 180	MT20 244/190
TCDL 10.0		Lumber DOL 1.15	BC 0.13	Vert(CT) 0.00 5 n/r 80	
BCLL 0.0	*	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00 4 n/a n/a	
BCDL 10.0		Code IRC2018/TPI2014	Matrix-P		Weight: 23 lb FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3
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. (lb/size)
2 = 149/5-4-14 (min. 0-1-8)
4 = 149/5-4-14 (min. 0-1-8)
6 = 195/5-4-14 (min. 0-1-8)
Max Horz
2 = -49(LC 10)
Max Uplift
2 = -39(LC 12)
4 = -46(LC 13)

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

NOTES- (11-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 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.
11) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	PB02	Piggyback	16	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:24:35 2022 Page 1
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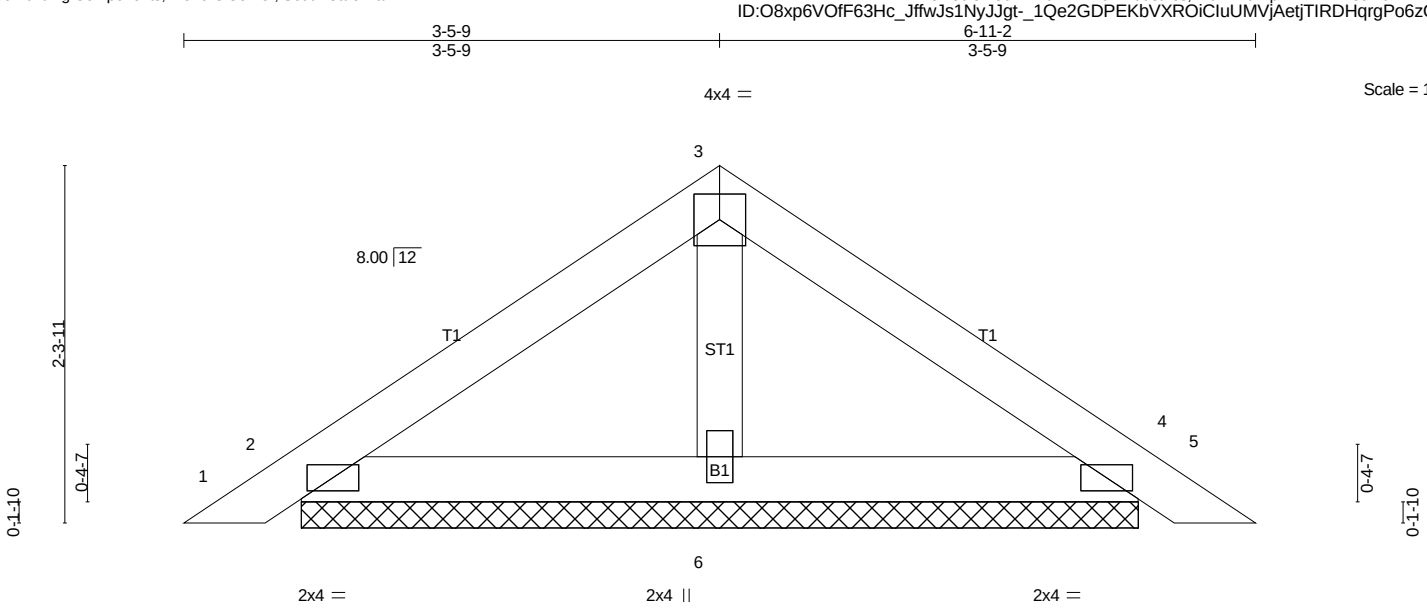


LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.15	TC	0.12	Vert(LL)	0.00	5	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.13	Vert(CT)	0.00	5	n/r	80		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014	Matrix-P							Weight: 23 lb	FT = 0%

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

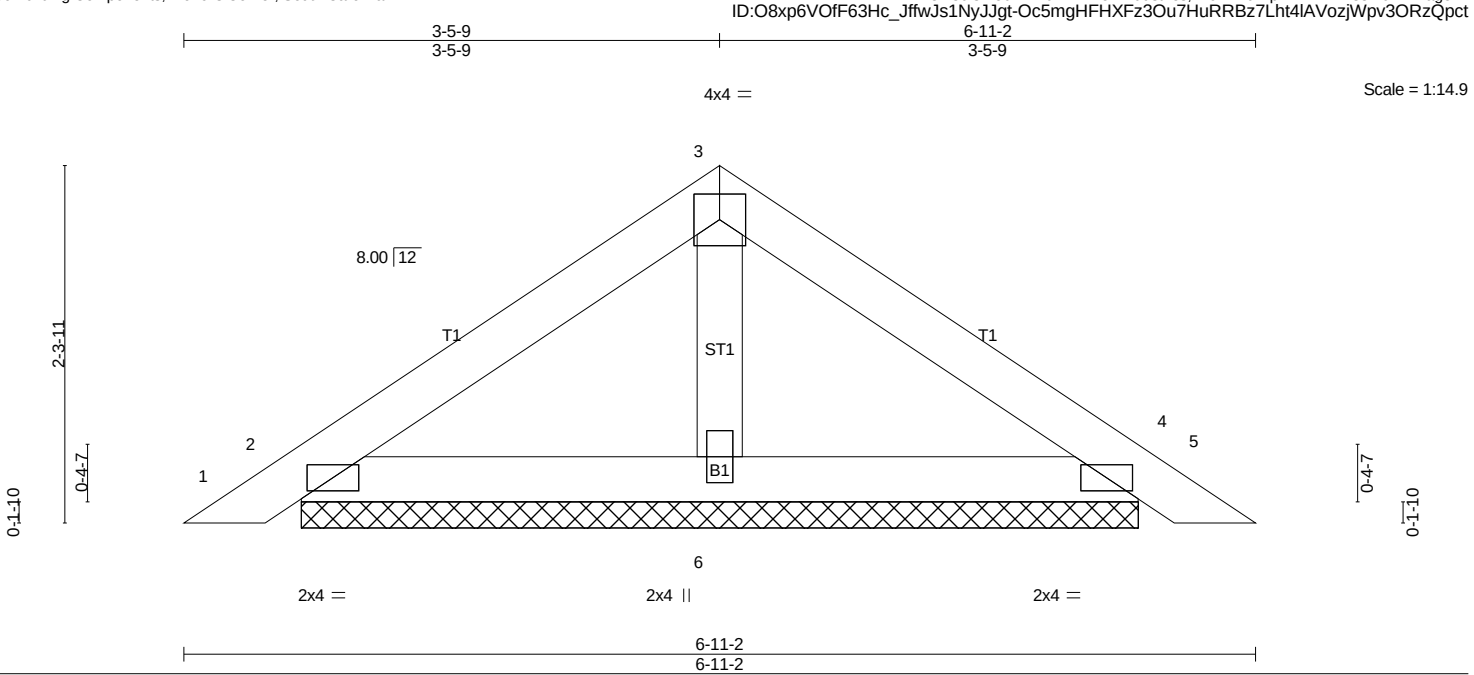
REACTIONS. (lb/size)
2 = 149/5-4-14 (min. 0-1-8)
4 = 149/5-4-14 (min. 0-1-8)
6 = 195/5-4-14 (min. 0-1-8)
Max Horz
2 = -49(LC 10)
Max Uplift
2 = -39(LC 12)
4 = -46(LC 13)

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

NOTES- (11-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 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.
11) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	PB03	Piggyback	2	1	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	0.12	Vert(LL)	0.00	5	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.13	Vert(CT)	0.00	5	n/r	80		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014	Matrix-P							Weight: 23 lb	FT = 0%

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

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. (lb/size)
2 = 149/5-4-14 (min. 0-1-8)
4 = 149/5-4-14 (min. 0-1-8)
6 = 195/5-4-14 (min. 0-1-8)
Max Horz
2 = -49(LC 10)
Max Uplift
2 = -39(LC 12)
4 = -46(LC 13)

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

NOTES- (11-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
5) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 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.
11) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	PB04	Piggyback	1	3	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:24:41 2022 Page 1
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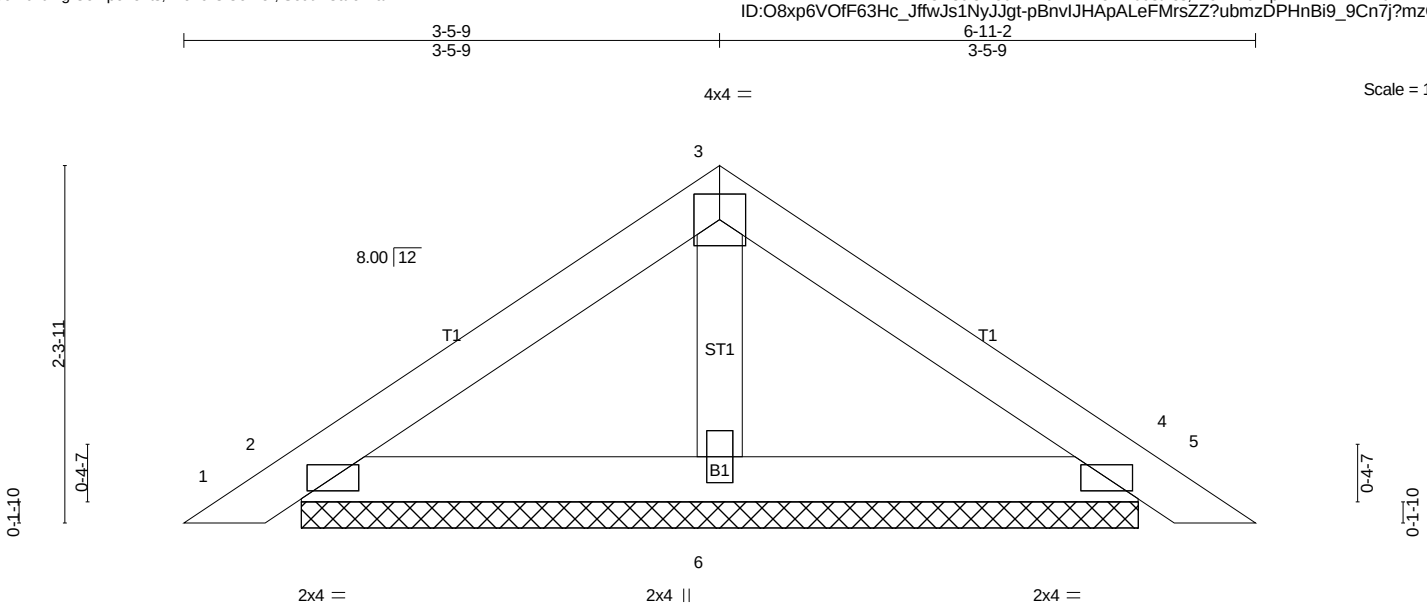

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	0.00	4	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	5	n/r	80		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 68 lb	FT = 0%

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

REACTIONS. (lb/size)
2 = 149/5-4-14 (min. 0-1-8)
4 = 149/5-4-14 (min. 0-1-8)
6 = 195/5-4-14 (min. 0-1-8)
Max Horz
2 = -49(LC 10)
Max Uplift
2 = -39(LC 12)
4 = -46(LC 13)

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

NOTES- (13-14)
1) 3-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=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 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.
13) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	PB05	Piggyback	2	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:24:44 2022 Page 1
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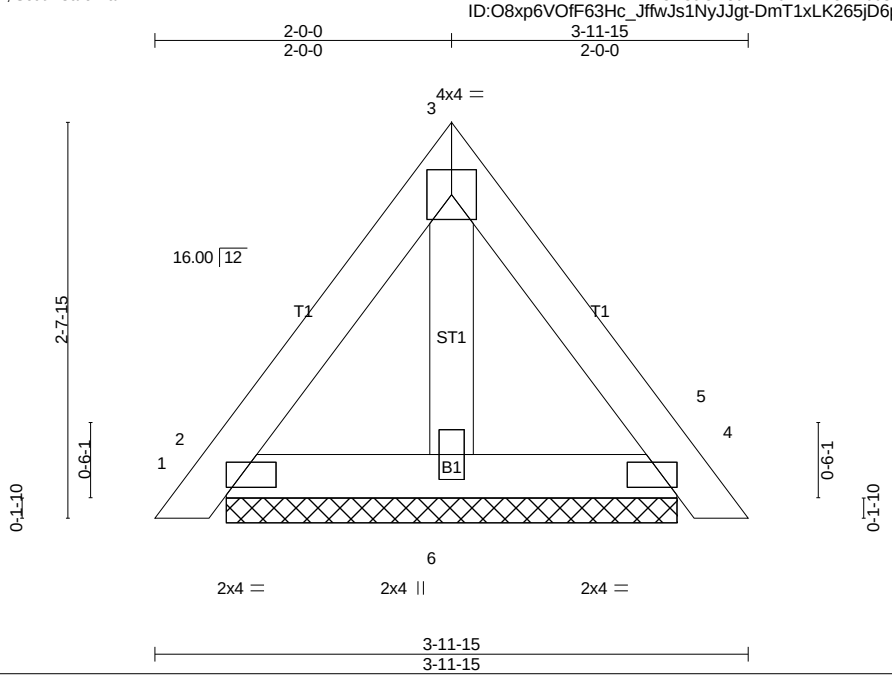

Plate Offsets (X,Y)-- [2:0-2-13,0-1-0], [4:0-2-13,0-1-0]

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	0.06	Vert(LL)	0.00	4	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	4	n/r	80		
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: 17 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-11-15 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 = 98/3-0-6 (min. 0-1-8)
4 = 98/3-0-6 (min. 0-1-8)
6 = 83/3-0-6 (min. 0-1-8)
Max Horz
2 = -60(LC 10)
Max Uplift
2 = -29(LC 13)
4 = -24(LC 12)
Max Grav
2 = 98(LC 1)
4 = 98(LC 1)
6 = 91(LC 5)

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

NOTES- (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
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) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
10) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R01	GABLE	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:24:49 2022 Page 1
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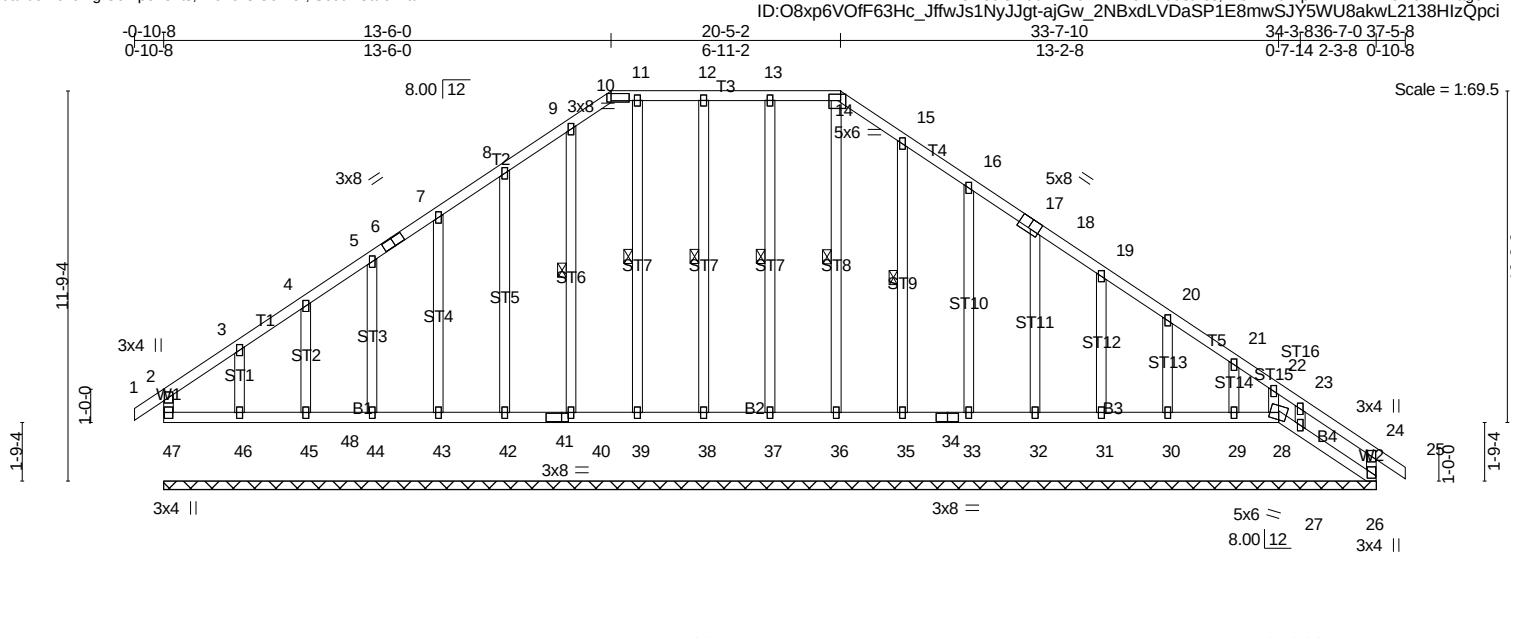


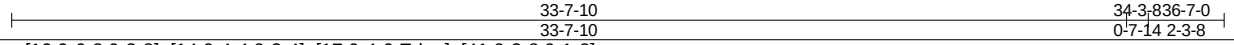


Plate Offsets (X,Y)-- [10:0-6-8,0-2-8], [14:0-4-4,0-2-4], [17:0-4-0,Edge], [41:0-2-8,0-1-8]

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	0.19	Vert(LL)	0.00	24	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.00	24	n/r	80		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	26	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 273 lb	FT = 0%

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

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS
1 Row at midpt
13-37, 12-38, 11-39, 9-40, 14-36, 15-35

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

REACTIONS. All bearings 36-7-0.
(lb) - Max Horz
47=-272(LC 8)
Max Uplift
All uplift 100 lb or less at joint(s) 26, 37, 38, 39, 40, 42, 43, 44, 45, 35, 33, 32, 31, 30 except 47=-126(LC 8), 28=-171(LC 11), 46=-131(LC 12), 29=-106(LC 13), 27=-238(LC 13)
Max Grav
All reactions 250 lb or less at joint(s) 47, 26, 28, 37, 38, 40, 45, 46, 31, 30, 29 except 39=276(LC 23), 42=258(LC 20), 43=256(LC 20), 44=267(LC 20), 36=261(LC 23), 35=259(LC 21), 33=257(LC 21), 32=264(LC 21), 27=251(LC 25)

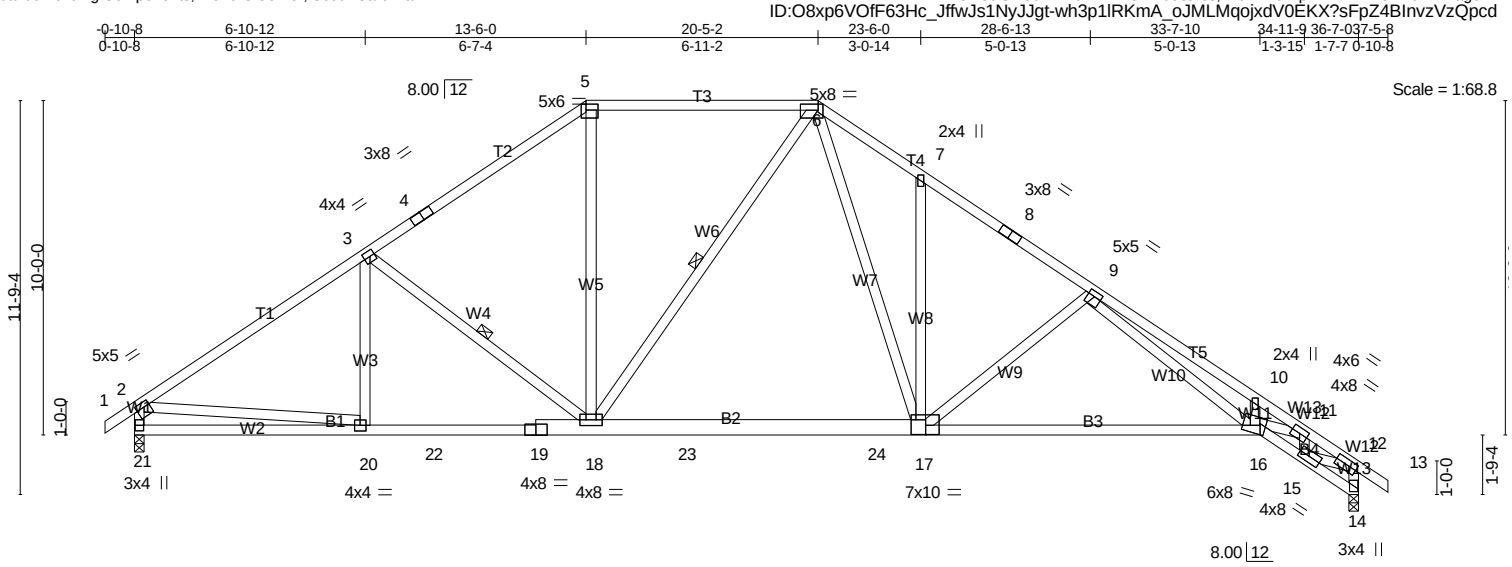
FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
8-9=-190/281, 9-10=-192/268, 10-11=-173/253, 11-12=-173/253, 12-13=-173/253, 13-14=-173/253, 14-15=-203/280

NOTES- (16-17)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 37, 38, 39, 40, 42, 43, 44, 45, 35, 33, 32, 31, 30 except (jt=lb) 47=126, 28=171, 46=131, 29=106, 27=238.
14) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 47, 28, 37, 38, 39, 40, 42, 43, 44, 45, 46, 36, 35, 33, 32, 31, 30, 29, 27.
15) 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.
16) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
17) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R02	Piggyback Base	4	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:24:54 2022 Page 1
ID:O8xp6VOfF63Hc_JffwJs1NyJJgt-wh3p1lRKmA_oJMLMqojxdV0EKX?sFpZ4BInvzVzQpcd



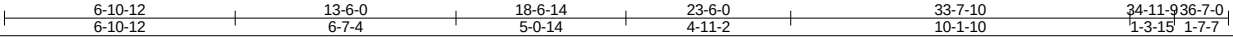


Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [3:0-1-12,0-2-0], [5:0-4-4,0-2-4], [6:0-6-4,0-2-4], [9:0-2-8,0-1-12], [12:0-2-14,0-2-0], [15:0-3-12,0-2-0], [16:0-2-0,0-3-4], [17:0-4-12,0-3-4]

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	0.86	Vert(LL)	-0.32	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.69	16-17	>635	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.30	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 244 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B3: 2x4 SP No.1, B2: 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-11-7 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 14-15.
WEBS
1 Row at midpt 3-18, 6-18

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

REACTIONS. (lb/size)
14 = 1513/0-3-8 (min. 0-1-8)
21 = 1513/0-3-8 (min. 0-1-13)
Max Horz
21 = -272(LC 8)
Max Uplift
14 = -202(LC 13)
21 = -175(LC 12)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-2020/214, 3-4=-1731/185,
4-5=-1634/218, 5-6=-1367/236,
6-7=-2087/372, 7-8=-2052/255,
8-9=-2139/240, 9-10=-4681/599,
10-11=-4700/493, 11-12=-2750/327,
12-14=-1469/212, 2-21=-1442/205
BOT CHORD
20-21=-260/518, 20-22=-164/1720,
19-22=-164/1720, 18-19=-162/1724,
18-23=0/1408, 23-24=0/1408,
17-24=0/1408, 16-17=-130/2172,
15-16=-256/2607
WEBS
3-18=-419/215, 5-18=-41/609,
6-17=-232/1110, 9-17=-663/244,
9-16=-300/2285, 11-16=-124/1643,
11-15=-1134/96, 12-15=-226/2168,
2-20=-4/1314

NOTES- (11-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=202, 21=175.
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.
11) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R03	GABLE	2	1	Job Reference (optional)

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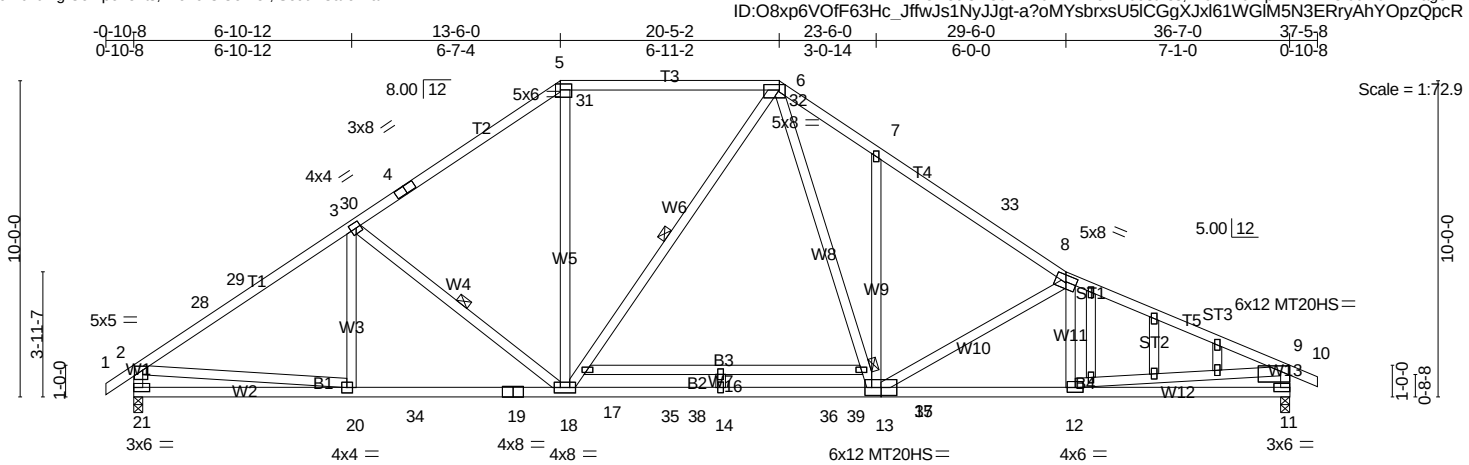

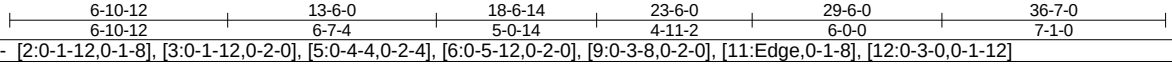

Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [3:0-1-12,0-2-0], [5:0-4-4,0-2-4], [6:0-5-12,0-2-0], [9:0-3-8,0-2-0], [11:Edge,0-1-8], [12:0-3-0,0-1-12]

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)	-0.59	15-16	>736	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.92	13-14	>471	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.08	11	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 254 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.1 *Except* T3,T4: 2x4 SP SS, T5: 2x4 SP No.2
BOT CHORD 2x4 SP SS *Except* B1: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except* W8,W13,W12,W1,W2: 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD
Structural wood sheathing directly applied, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 18-20.
WEBS
1 Row at midpt 3-18, 6-18

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

REACTIONS. (lb/size)

21 = 1601/0-3-8 (min. 0-2-6)
11 = 1605/0-3-8 (min. 0-2-1)
Max Horz
21 = -253(LC 12)
Max Uplift
21 = -132(LC 14)
11 = -155(LC 15)
Max Grav
21 = 2027(LC 41)
11 = 1758(LC 49)

FORCES. (lb)

Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-28=-2757/126, 28-29=-2515/148, 3-29=-2483/150, 3-30=-2371/108, 4-30=-2356/112, 4-5=-2197/145,

Continued on page 2

TOP CHORD
2-28=-2757/126, 28-29=-2515/148, 3-29=-2483/150, 3-30=-2371/108, 4-30=-2356/112, 4-5=-2197/145, 5-31=-1838/175, 31-32=-1838/175, 6-32=-1838/175, 6-7=-2937/305, 7-33=-2817/158, 8-33=-2949/139, 8-9=-3251/201, 9-11=-1663/188, 2-21=-1953/165
BOT CHORD
20-21=-230/599, 20-34=-152/2305, 19-34=-152/2305, 18-19=-152/2305, 18-35=0/1751, 14-35=0/1751, 14-36=0/1751, 36-37=0/1751, 13-37=0/1751, 12-13=-117/2973, 11-12=-133/577
WEBS
3-18=-592/226, 5-18=0/874, 6-15=-211/1615, 13-15=-262/1486, 7-13=-609/226, 8-13=-848/207, 8-12=-266/54, 9-12=0/2616, 2-20=0/1824

NOTES- (15-16)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are MT20 plates unless otherwise indicated.
9) All plates are 2x4 MT20 unless otherwise indicated.
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=132, 11=155.
14) 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.
15) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)

Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R04	Piggyback Base	4	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:25:18 2022 Page 1

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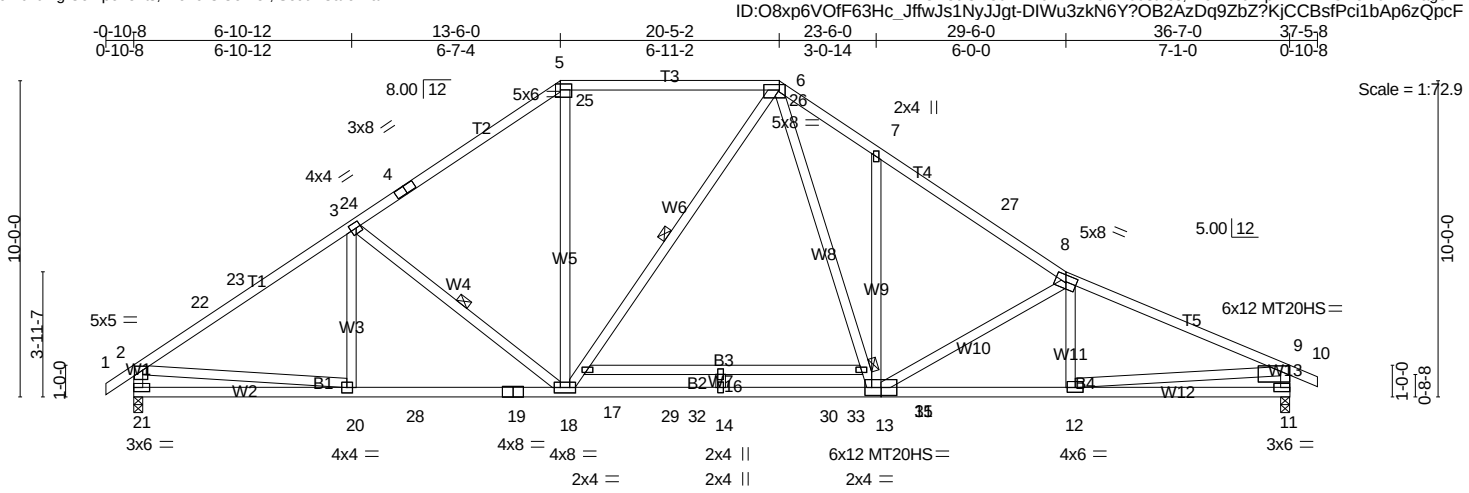

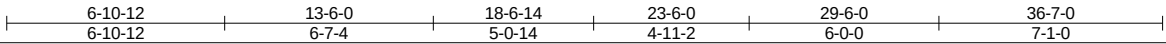

Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [3:0-1-12,0-2-0], [5:0-4-4,0-2-4], [6:0-5-12,0-2-0], [9:0-3-8,0-2-0], [11:Edge,0-1-8], [12:0-3-0,0-1-12]

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)	-0.59	15-16	>736	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.92	Vert(CT)	-0.92	13-14	>471	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.08	11	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 246 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.1 *Except*
T3,T4: 2x4 SP SS, T5: 2x4 SP No.2
BOT CHORD 2x4 SP SS *Except*
B1: 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W8,W13,W12,W1,W2: 2x4 SP No.2

BRACING-

TOP CHORD
Structural wood sheathing directly applied, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 18-20.
WEBS
1 Row at midpt 3-18, 6-18

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

REACTIONS. (lb/size)

21 = 1601/0-3-8 (min. 0-2-6)
11 = 1605/0-3-8 (min. 0-2-1)
Max Horz
21 = -253(LC 12)
Max Uplift
21 = -132(LC 14)
11 = -155(LC 15)
Max Grav
21 = 2027(LC 41)
11 = 1758(LC 49)

FORCES. (lb)

Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-22=-2757/126, 22-23=-2515/148, 3-23=-2483/150, 3-24=-2371/108, 4-24=-2356/112, 4-5=-2197/145, 5-25=-1838/175, 25-26=-1838/175, TOP CHORD
2-22=-2757/126, 22-23=-2515/148, 3-23=-2483/150, 3-24=-2371/108, 4-24=-2356/112, 4-5=-2197/145, 5-25=-1838/175, 25-26=-1838/175, 6-26=-1838/175, 6-7=-2937/305, 7-27=-2817/158, 8-27=-2949/139, 8-9=-3251/201, 9-11=-1663/188, 2-21=-1953/165
BOT CHORD
20-21=-230/599, 20-28=-152/2305, 19-28=-152/2305, 18-19=-152/2305, 18-29=0/1751, 14-29=0/1751, 14-30=0/1751, 30-31=0/1751, 13-31=0/1751, 12-13=-117/2973, 11-12=-133/577
WEBS
3-18=-592/226, 5-18=0/874, 6-15=-211/1615, 13-15=-262/1486, 7-13=-609/226, 8-13=-848/207, 8-12=-266/54, 9-12=0/2616, 2-20=0/1824

NOTES- (12-13)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=132, 11=155.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)

Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R05	Piggyback Base Girder	1	3	Job Reference (optional)

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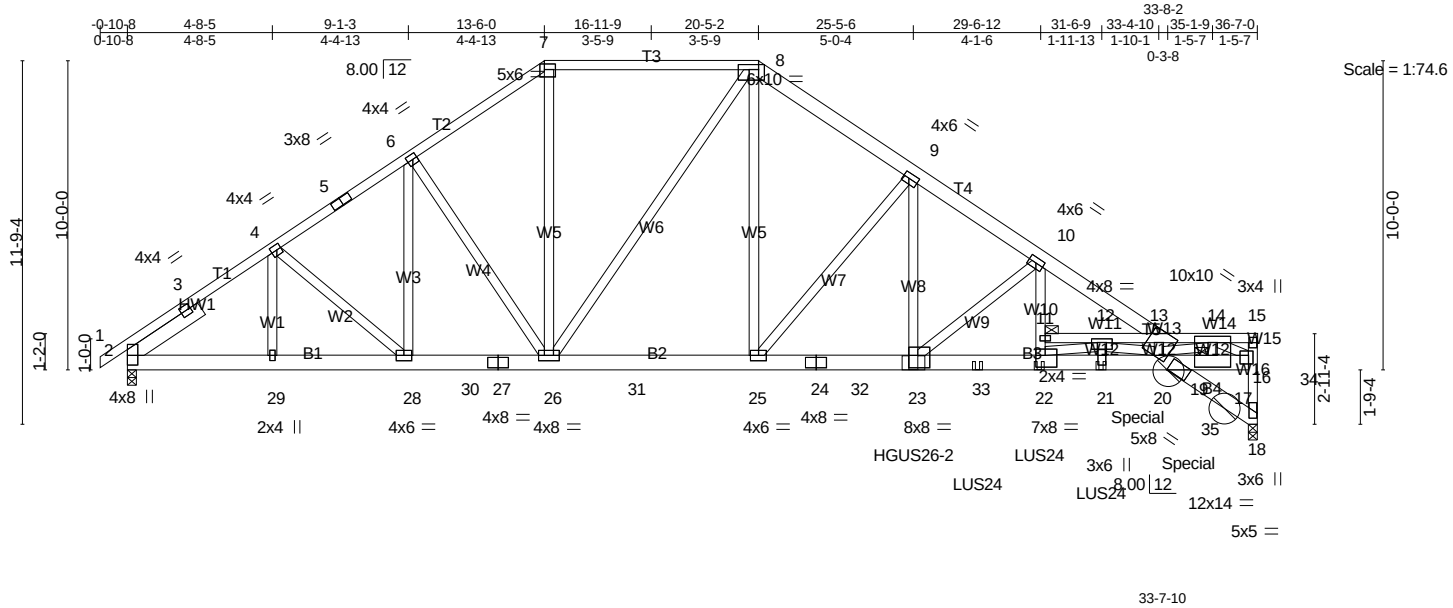


Plate Offsets (X,Y)-- [4:0-1-12,0-2-0], [6:0-1-12,0-2-0], [7:0-4-4,0-2-4], [8:0-7-12,0-2-0], [9:0-2-4,0-2-0], [12:0-4-0,0-1-8], [13:0-5-9,Edge], [16:0-3-4,0-3-4], [17:0-7-0,0-2-8], [21:0-3-12,0-1-8], [22:0-3-8,0-4-8], [23:0-3-8,0-4-12]

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	0.87	Vert(LL)	-0.23	22-23	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.44	22-23	>984	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.96	Horz(CT)	0.28	18	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 920 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
T4: 2x6 SP No.2, T5: 2x4 SP SS
BOT CHORD 2x6 SP No.2 *Except*
B3: 2x6 SP DSS
WEBS 2x4 SP No.3 *Except*
W8,W14: 2x4 SP No.2
SLIDER
Left 2x6 SP No.2 - 2-10-1

BRACING-

TOP CHORD
Structural wood sheathing directly applied or 3-5-10 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 18-19.
JOINTS
1 Brace at Jt(s): 11, 17

REACTIONS. (lb/size)

18	=	7646/0-3-8	(min. 0-2-7)
2	=	3421/0-3-8	(min. 0-1-8)
Max Horz			
2	=	273(LC 35)	
Max Uplift			
18	=	-959(LC 11)	
2	=	-395(LC 10)	
Max Grav			
18	=	7792(LC 3)	
2	=	3459(LC 3)	

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-5024/545, 3-4=-4964/561,
4-5=-5118/584, 5-6=-5068/598,
6-7=-5031/616, 7-8=-4166/553,
8-9=-6784/818, 9-10=-12035/1385,

Continued on page 2

TOP CHORD
2-3=-5024/545, 3-4=-4964/561,
4-5=-5118/584, 5-6=-5068/598,
6-7=-5031/616, 7-8=-4166/553,
8-9=-6784/818, 9-10=-12035/1385,
10-13=-15902/1849, 12-13=-10913/1429,
13-14=-22651/2740, 14-15=-1092/135,
16-18=-7562/951
BOT CHORD
2-29=-479/3953, 28-29=-479/3953,
28-30=-434/4250, 27-30=-434/4250,
26-27=-434/4250, 26-31=-500/5670,
25-31=-500/5670, 24-25=-1036/9971,
24-32=-1036/9971, 23-32=-1036/9971,
23-33=-1506/13076, 22-33=-1506/13076,
21-22=-2418/20028, 20-21=-2418/20028,
19-20=-1509/11991, 17-19=-1489/11908,
17-34=-1489/11908, 16-34=-1489/11908
WEBS
4-28=-177/460, 6-26=-460/264,
7-26=-276/2522, 8-26=-2693/388,
8-25=-650/5538, 9-25=-6816/926,
9-23=-890/7896, 10-23=-4031/610,
11-22=-557/4597, 10-11=-573/4738,
14-17=-138/1146, 14-16=-12742/1568,
12-21=-138/1090, 12-22=-7327/962,
13-20=-8523/1036, 12-20=-557/4263,
14-20=-1388/11706

NOTES- (18-19)

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 9-23 2x4 - 2 rows staggered at 0-5-0 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=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

NOTES- (18-19)

10) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=959, 2=395.
12) 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.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
14) Use Simpson Strong-Tie HGUS26-2 (20-16d Girder, 8-16d Truss) or equivalent at 25-5-6 from the left end to connect truss(es) R22 (2 ply 2x6 SP) to back face of bottom chord.
15) Use Simpson Strong-Tie LUS24 (4-10d Girder, 2-10d Truss, Single Ply Girder) or equivalent spaced at 2-0-0 oc max. starting at 27-6-4 from the left end to 31-6-4 to connect truss(es) R21 (1 ply 2x4 SP), R20 (1 ply 2x4 SP), R18 (1 ply 2x4 SP) to back face of bottom chord.
16) Fill all nail holes where hanger is in contact with lumber.
17) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 675 lb down and 122 lb up at 33-8-7, and 634 lb down and 93 lb up at 35-6-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
18) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
19) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)

Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-7=-60, 7-8=-60, 8-13=-60, 13-15=-60, 2-19=-20, 18-19=-20
Concentrated Loads (lb)
Vert: 19=-633(B) 23=-4932(B) 22=-633(B) 21=-633(B) 33=-633(B) 34=-634(B)

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R06	Piggyback Base	5	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:25:36 2022 Page 1
ID:O8xp6VOfF63Hc_JffwJs1NyJJgt-hmchr7ygt4GrMpYRHcUnKMlOLSNm4sNFrry7R4zQpbz

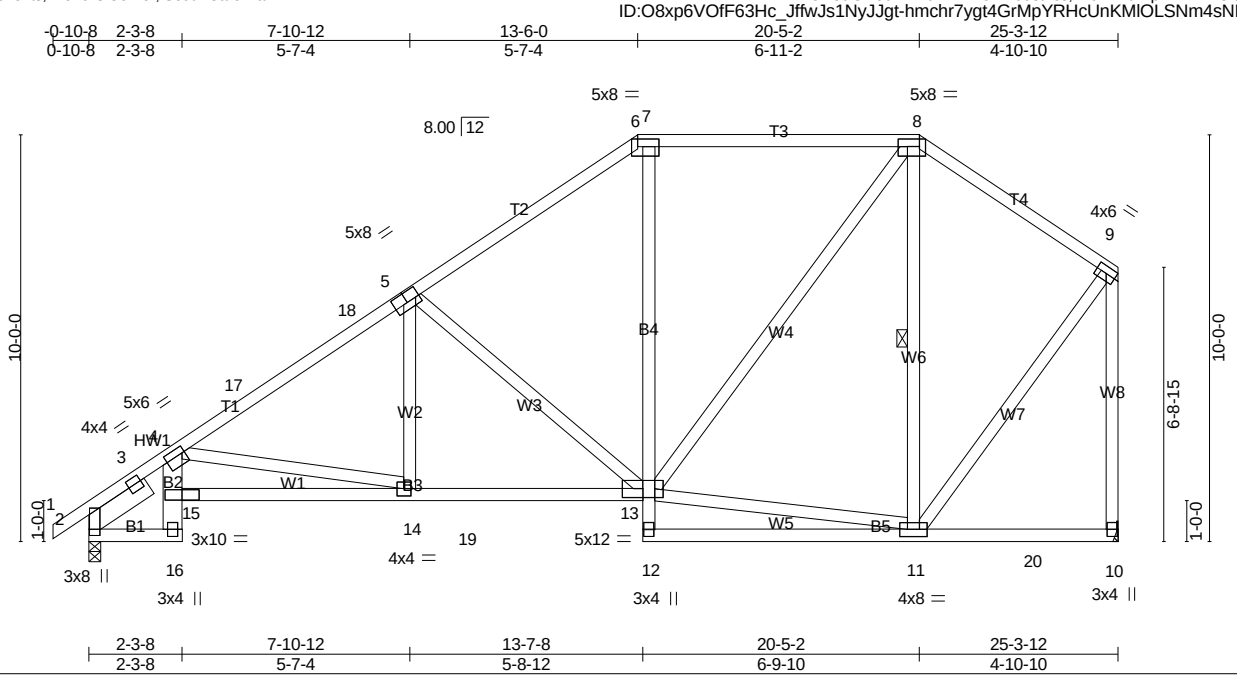


Plate Offsets (X,Y)-- [2:0-6-1,0-0-4], [4:0-0-12,0-2-0], [5:0-4-0,0-3-0], [6:0-6-4,0-2-4], [8:0-6-4,0-2-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	0.07	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.83	Vert(CT)	-0.15	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 192 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B2: 2x6 SP No.2, B4: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER
Left 2x6 SP No.2 - 1-9-15
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
9-10-2 oc bracing: 15-16
7-0-14 oc bracing: 14-15.
WEBS
1 Row at midpt 8-11

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

REACTIONS. (lb/size)
2 = 1060/0-3-8 (min. 0-1-8)
10 = 1006/Mechanical
Max Horz
2 = 280(LC 12)
Max Uplift
2 = -129(LC 12)
10 = -106(LC 12)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-1323/148, 3-4=-1217/158,
4-17=-1478/196, 17-18=-1390/200,
5-18=-1308/217, 5-6=-976/210,
6-7=-729/224, 7-8=-738/226,
8-9=-582/137, 9-10=-968/185
BOT CHORD
2-16=-336/905, 14-15=-700/1956,
BOT CHORD
2-16=-336/905, 14-15=-700/1956,
14-19=-314/1191, 13-19=-314/1191
WEBS
4-14=-788/393, 5-14=-9/368,
5-13=-655/238, 11-13=-65/407,
8-13=-147/545, 8-11=-491/157,
9-11=-98/699

NOTES- (11-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 6-8-9, Exterior(2R) 6-8-9 to 20-5-2 , Exterior(2E) 20-5-2 to 25-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.25 Plate DOL=1.25); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=129, 10=106.
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.
11) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
14) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R06A	Piggyback Base	3	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:25:40 2022 Page 1
ID:O8xp6VOfF63Hc_JffwJs1NyJJgt-aXrChU?AwInGqQsCWSYjUCw7l4oR0mmrmSwLarzQpbv

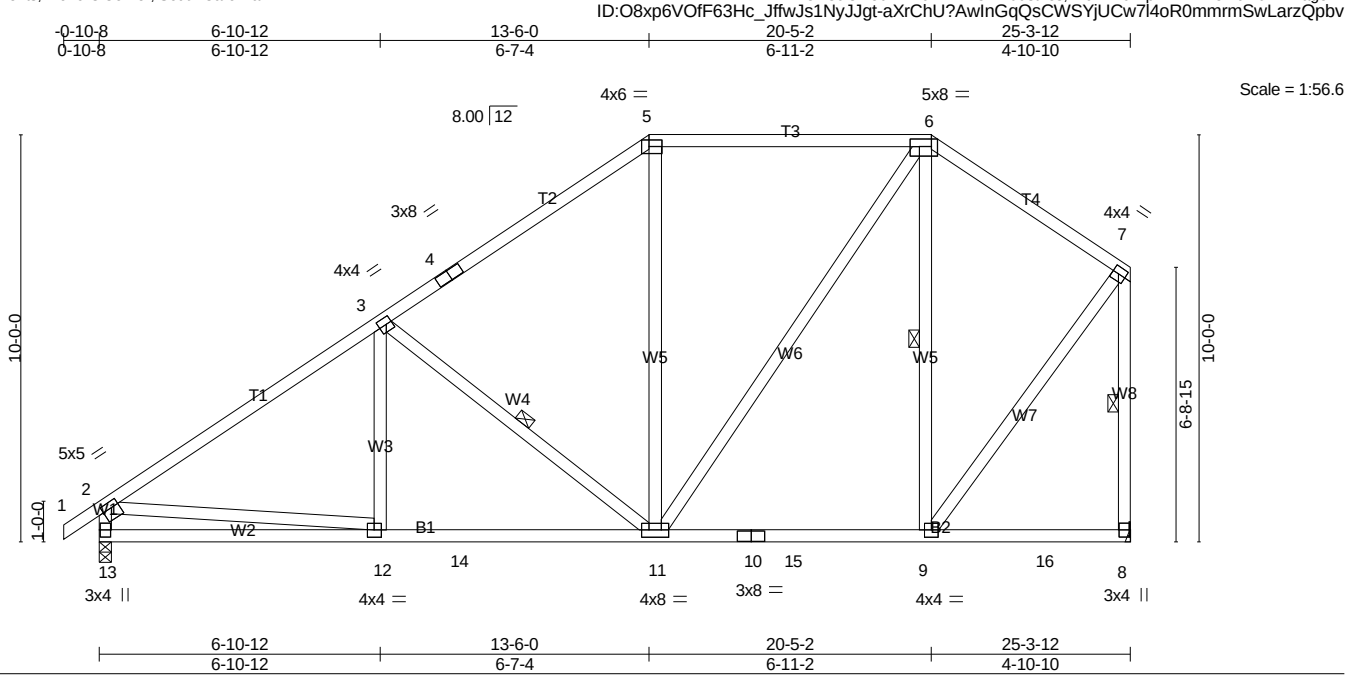


Plate Offsets (X,Y)-- [2:0-2-4,0-1-12], [3:0-1-12,0-2-0], [5:0-3-12,0-2-0], [6:0-6-4,0-2-4], [7:0-1-12,0-2-0]

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	0.73	Vert(LL)	-0.10	9-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.15	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 179 lb	FT = 0%

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 4-5-15 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS
1 Row at midpt 3-11, 6-9, 7-8

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

REACTIONS. (lb/size)
13 = 1063/0-3-8 (min. 0-1-8)
8 = 1000/Mechanical
Max Horz
13 = 310(LC 9)
Max Uplift
13 = -146(LC 12)
8 = -90(LC 12)
Max Grav
13 = 1063(LC 1)
8 = 1117(LC 3)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-1307/169, 3-4=-924/140, 4-5=-826/173, 5-6=-688/198, 6-7=-617/140, 7-8=-1025/115, 2-13=-1000/176
BOT CHORD
12-13=-330/446, 12-14=-222/1139, 11-14=-222/1139, 10-11=-105/470, 10-15=-105/470, 9-15=-105/470
WEBS
3-11=-518/216, 6-11=-110/459, 6-9=-432/152, 7-9=-104/765, 2-12=0/766

NOTES- (11-12)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 13=146.
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.
11) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R07	GABLE	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:25:45 2022 Page 1
ID:O8xp6VOfF63Hc_JffwJs1NyJJgt-xVf5kC3JlrPZxBk9J?8uBFd3d5aph3eawke6F2zQpbq

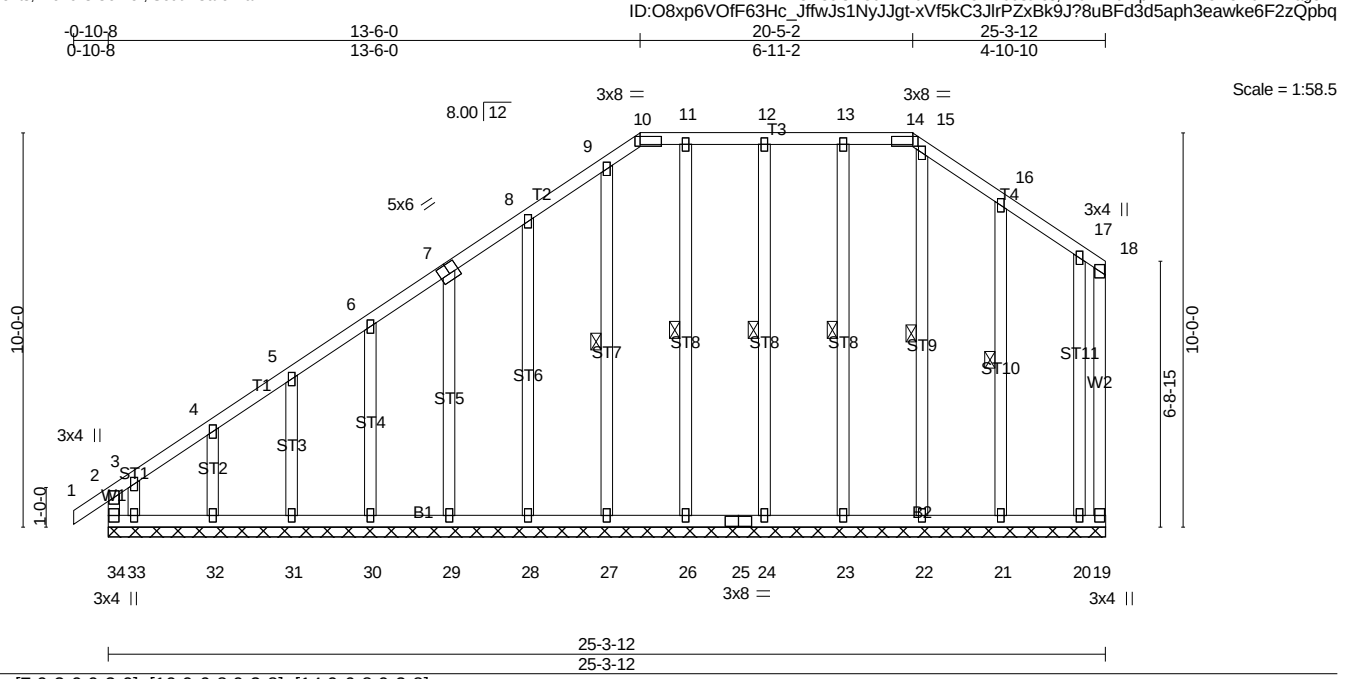


Plate Offsets (X,Y)-- [7:0-3-0,0-3-0], [10:0-6-8,0-2-8], [14:0-6-8,0-2-8]

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	0.40	Vert(LL)	-0.00	1	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.26	Vert(CT)	-0.00	2	n/r	80		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	-0.00	19	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 222 lb	FT = 0%

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

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
9-27, 11-26, 12-24, 13-23, 15-22, 16-21

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

REACTIONS. All bearings 25-3-12.
(lb) - Max Horz
34= 310(LC 9)
Max Uplift
All uplift 100 lb or less at joint(s) 19, 27, 28, 29, 30, 31, 32, 26, 24, 23, 22, 21, 20 except 34=-372(LC 10), 33=-419(LC 9)
Max Grav
All reactions 250 lb or less at joint(s) 19, 31, 32, 26, 24, 23, 22 except 34=550(LC 9), 27=267(LC 20), 28=259(LC 20), 29=256(LC 20), 30=260(LC 20), 33=376(LC 10), 21=265(LC 21), 20=250(LC 21)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-34=-341/217, 2-3=-388/283, 3-4=-264/204

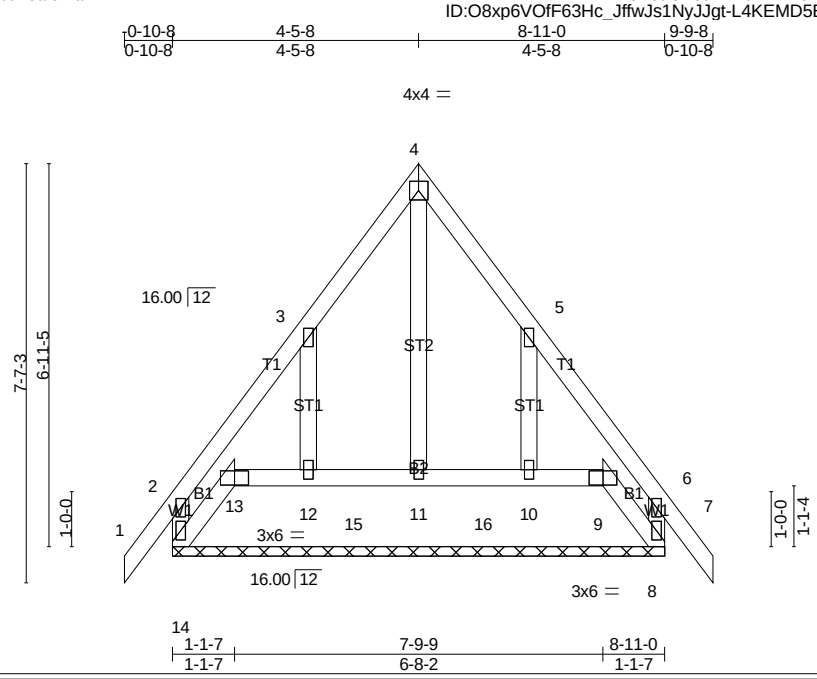
NOTES- (15-16)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 27, 28, 29, 30, 31, 32, 26, 24, 23, 22, 21, 20 except (jt=lb) 34=372, 33=419.
14) 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.
15) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R08	Roof Special Supported Gable	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:25:48 2022 Page 1
ID:O8xp6VOfF63Hc_JffwJs1NyJJgt-L4KEMD5B2mn8ofTk_7hbpuFezIdfuPQ0cismsNzQpbn



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	7	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.00	7	n/r	80		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 61 lb	FT = 0%

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

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

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

REACTIONS. All bearings 8-11-0.
(lb) - Max Horz
14=-207(LC 10)
Max Uplift
All uplift 100 lb or less at joint(s) 9 except 14=-264(LC 8), 8=-108(LC 12), 13=-162(LC 11), 12=-199(LC 12), 10=-197(LC 13)
Max Grav
All reactions 250 lb or less at joint(s) 8, 13, 9, 10 except 14=315(LC 21), 11=334(LC 23), 12=253(LC 20)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
3-4=-254/273, 4-5=-254/273
WEBS
4-11=-380/288, 3-12=-268/224, 5-10=-268/222

NOTES- (15-16)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 14=264, 8=108, 13=162, 12=199, 10=197.
13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 13, 9, 11, 12, 10.
14) 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.
15) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R09	GABLE	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:25:52 2022 Page 1
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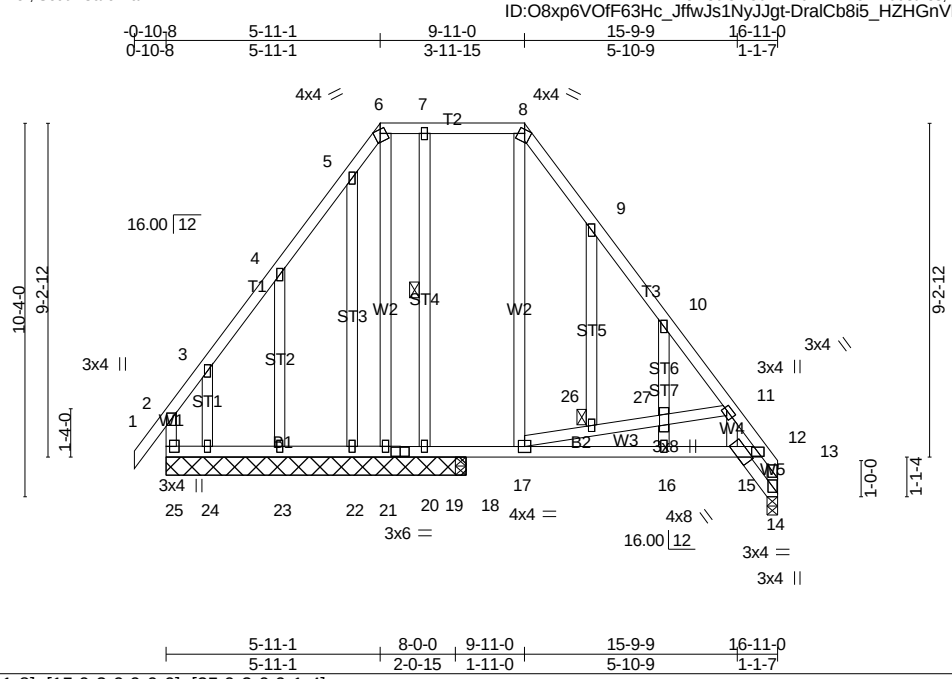

Plate Offsets (X,Y)-- [11:0-1-0,0-1-8], [15:0-3-9,0-0-0], [25:0-2-0,0-1-4]

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	0.40	Vert(LL)	0.08	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.11	16-17	>945	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 154 lb	FT = 0%

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

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 5-6-10 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS
1 Row at midpt 7-19
JOINTS
1 Brace at Jt(s): 26

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

REACTIONS. All bearings 8-3-8 except (jt=length) 14=0-3-8, 18=0-3-8.
(lb) - Max Horz
25= 267(LC 11)
Max Uplift
All uplift 100 lb or less at joint(s) 22 except 14=-102(LC 13), 25=-267(LC 8), 21=-147(LC 21), 19=-215(LC 11), 23=-162(LC 12), 24=-313(LC 26), 18=-109(LC 8)
Max Grav
All reactions 250 lb or less at joint(s) 21, 19, 22, 24 except 14=496(LC 31), 25=727(LC 21), 23=284(LC 20), 18=558(LC 21)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-545/231, 3-4=-386/162, 4-5=-431/266, 5-6=-470/316, 6-7=-314/221, 7-8=-315/220, 8-9=-427/269, 9-10=-347/176, 10-11=-391/64, 11-12=-1015/399, 12-13=-387/103, 13-14=-522/133, 2-25=-542/199
BOT CHORD
16-17=-225/573, 15-16=-225/573, 12-15=-295/678
WEBS
6-21=-193/309, 17-26=-576/369, 26-27=-544/343, 11-27=-541/345, 11-15=-258/445

NOTES- (14-15)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22 except (jt=lb) 14=102, 25=267, 21=147, 19=215, 23=162, 24=313, 18=109.
13) 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.
14) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
15) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R10	Piggyback Base	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina

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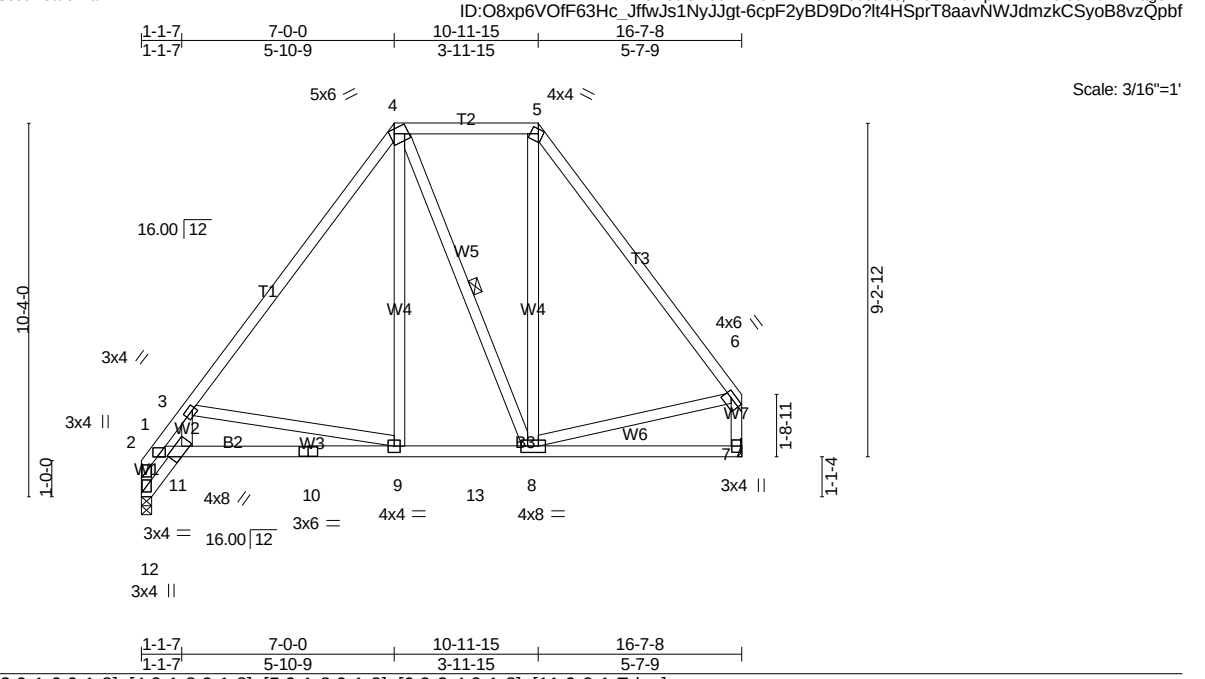

Plate Offsets (X,Y)-- [2:0-2-9,Edge], [3:0-1-0,0-1-8], [4:0-1-8,0-1-8], [5:0-1-8,0-1-8], [6:0-2-4,0-1-8], [11:0-0-1,Edge]

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	0.56	Vert(LL)	-0.04	9-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.37	Vert(CT)	-0.09	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.04	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 126 lb	FT = 0%

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 4-7-15 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 8-4-1 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)
12 = 653/0-3-8 (min. 0-1-8)
7 = 653/Mechanical
Max Horz
12 = 259(LC 9)
Max Uplift
12 = -55(LC 13)
7 = -74(LC 12)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-12=-857/292, 1-2=-642/220, 2-3=-1329/331, 3-4=-661/163, 4-5=-380/189, 5-6=-604/147, 6-7=-598/123
BOT CHORD
11-12=-445/451, 2-11=-330/933, 10-11=-491/1028, 9-10=-491/1028, 9-13=-129/390, 8-13=-129/390
WEBS
3-11=-222/542, 3-9=-656/503, 4-9=-61/312, 6-8=-98/295

NOTES- (11-12)

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Provide adequate drainage to prevent water ponding.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 7.
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.
11) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R11	Roof Special	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:00 2022 Page 1
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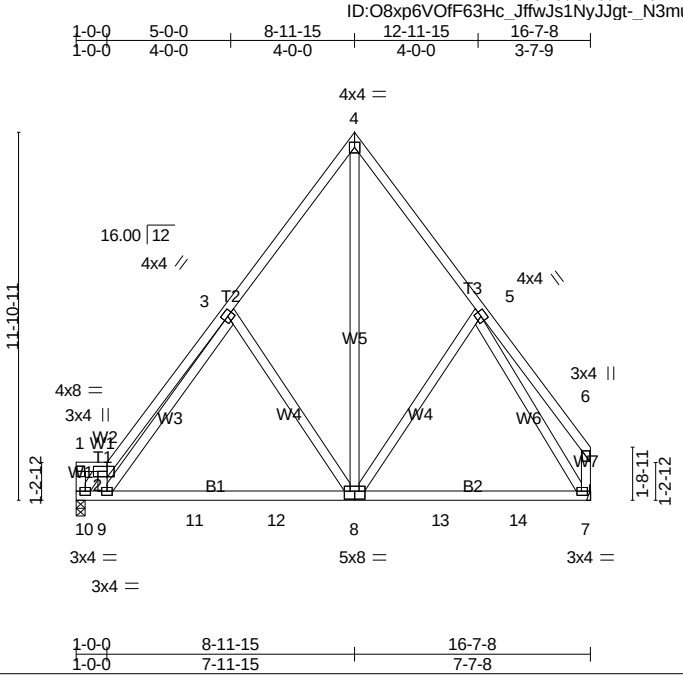

Plate Offsets (X,Y)-- [2:0-5-4,0-2-0], [7:0-1-12,0-1-8], [8:0-4-0,0-3-0]

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	0.32	Vert(LL)	-0.14	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.70	Vert(CT)	-0.25	8-9	>785	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 128 lb	FT = 0%

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 4-10-3 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. (lb/size)
10 = 653/0-3-8 (min. 0-1-8)
7 = 653/Mechanical
Max Horz
10 = 300(LC 9)
Max Uplift
10 = -89(LC 13)
7 = -102(LC 12)
Max Grav
10 = 727(LC 20)
7 = 755(LC 19)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-1332/267, 3-4=-603/248,
4-5=-588/245
BOT CHORD
9-10=-130/901, 9-11=-146/539,
11-12=-146/539, 8-12=-146/539,
8-13=-26/361, 13-14=-26/361,
7-14=-26/361
WEBS
2-10=-1046/34, 2-9=-429/257,
3-9=-128/763, 3-8=-341/269,
4-8=-291/655, 5-8=-226/255, 5-7=-584/64

WEBS
2-10=-1046/34, 2-9=-429/257,
3-9=-128/763, 3-8=-341/269,
4-8=-291/655, 5-8=-226/255,
5-7=-584/64

NOTES- (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Provide adequate drainage to prevent water ponding.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 7=102.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R12	Monopitch Supported Gable	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:02 2022 Page 1
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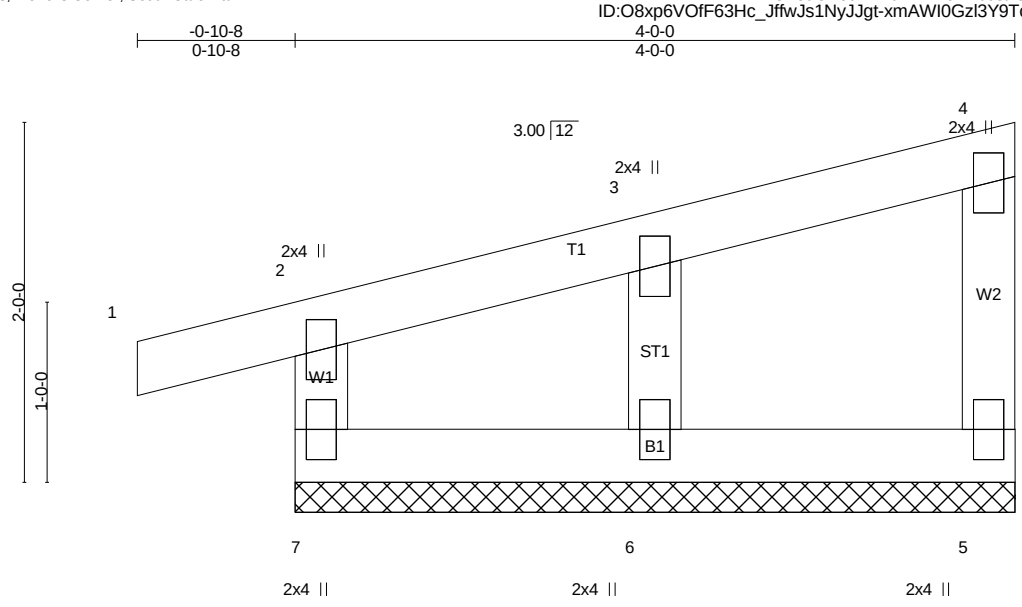

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.11	Vert(LL)	-0.00	1	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	-0.00	1	n/r	80		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 18 lb	FT = 0%

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

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 4-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. (lb/size)
7 = 141/4-0-0 (min. 0-1-8)
5 = 63/4-0-0 (min. 0-1-8)
6 = 154/4-0-0 (min. 0-1-8)
Max Horz
7 = 64(LC 11)
Max Uplift
7 = -51(LC 10)
5 = -11(LC 10)
6 = -40(LC 14)
Max Grav
7 = 190(LC 21)
5 = 81(LC 21)
6 = 196(LC 21)

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

NOTES- (13-14)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 5, 6.
12) 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.
13) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R13	Monopitch	8	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:05 2022 Page 1
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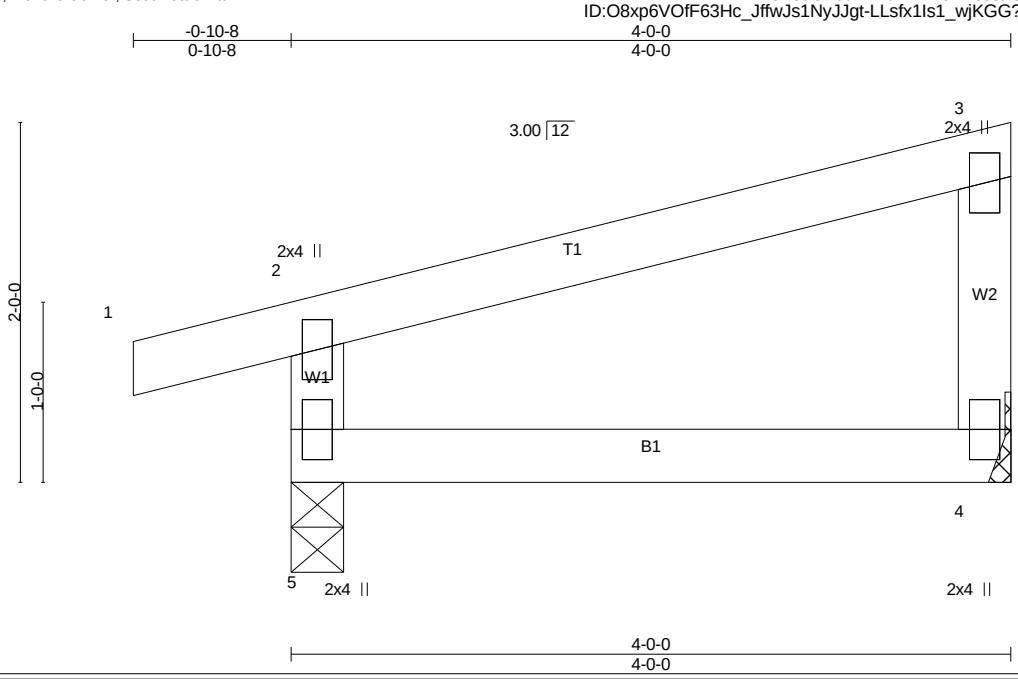


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.01	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 16 lb	FT = 0%

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 4-0-0 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. (lb/size)
4 = 140/Mechanical
5 = 218/0-3-8 (min. 0-1-8)
Max Horz
5 = 64(LC 11)
Max Uplift
4 = -31(LC 14)
5 = -69(LC 10)
Max Grav
4 = 179(LC 21)
5 = 288(LC 21)

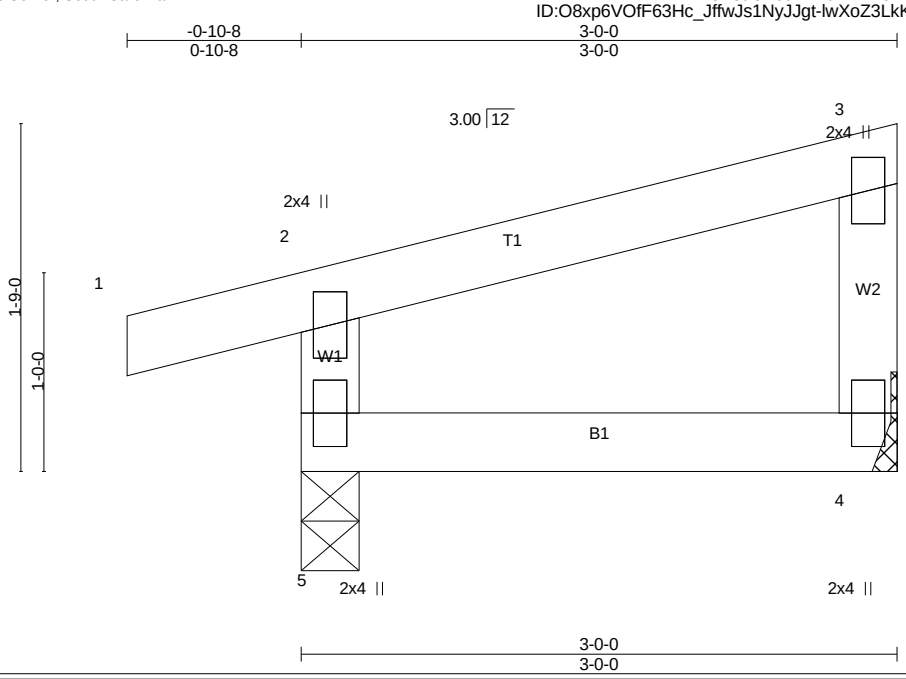
FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-5=-257/90

NOTES- (10-11)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R14	Monopitch	2	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:08 2022 Page 1
ID:O8xp6VOfF63Hc_JffwJs1NyJJgt-lwXoZ3LkKvIIBj?a9K2Hd643KMUHaVfzCpiqZDzQpbT



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	0.11	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.00	4-5	>999	180		
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-R							Weight: 13 lb	FT = 0%

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 3-0-0 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. (lb/size)
4 = 97/Mechanical
5 = 181/0-3-8 (min. 0-1-8)
Max Horz
5 = 55(LC 13)
Max Uplift
4 = -21(LC 14)
5 = -63(LC 10)
Max Grav
4 = 121(LC 21)
5 = 234(LC 21)

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

NOTES- (10-11)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R15	Half Hip Structural Gable	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:11 2022 Page 1
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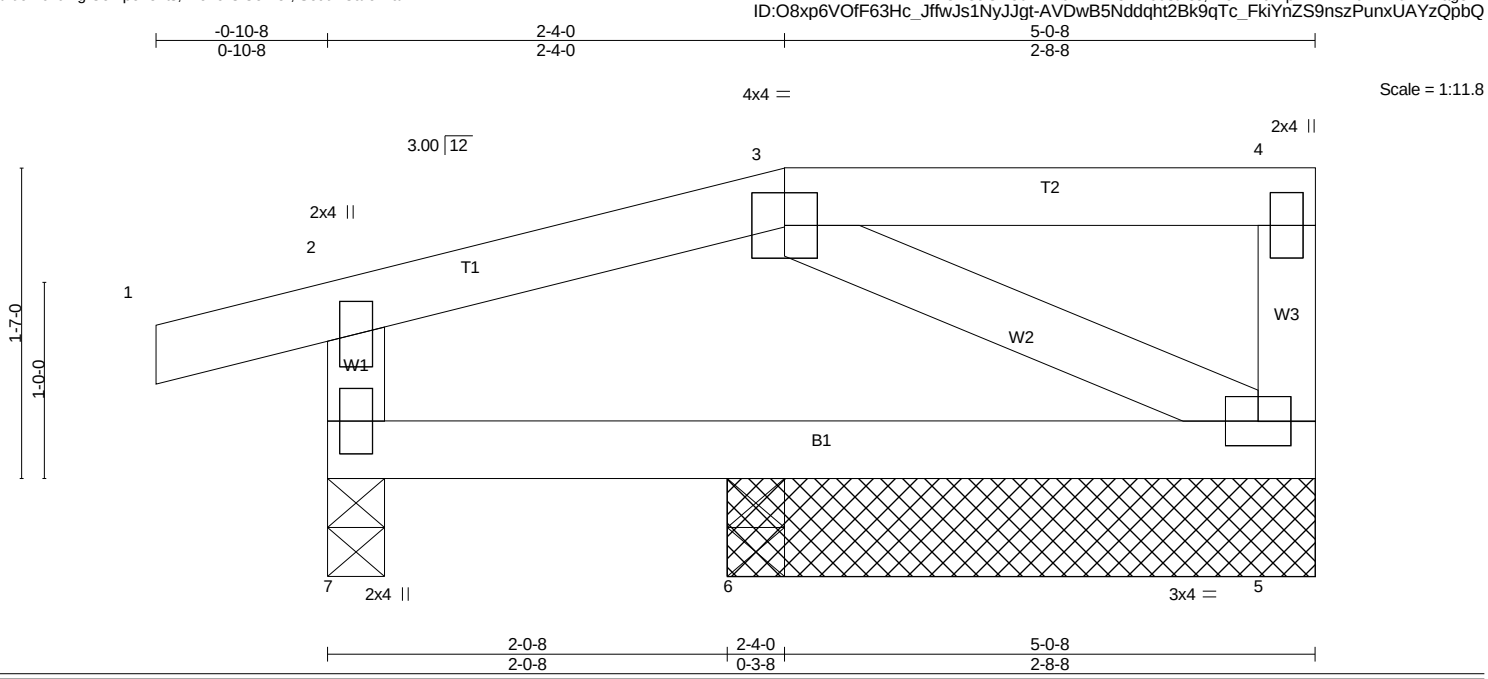

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	0.00	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.00	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 23 lb	FT = 0%

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

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 5-0-8 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. (lb/size)
5 = 171/3-0-0 (min. 0-1-8)
7 = 242/0-3-8 (min. 0-1-8)
6 = 28/0-3-8 (min. 0-1-8)
Max Horz
7 = 50(LC 11)
Max Uplift
5 = -51(LC 11)
7 = -99(LC 10)
Max Grav
5 = 217(LC 35)
7 = 302(LC 36)
6 = 98(LC 7)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-7=-267/98

NOTES- (12-13)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 7.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R16	Monopitch	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:14 2022 Page 1
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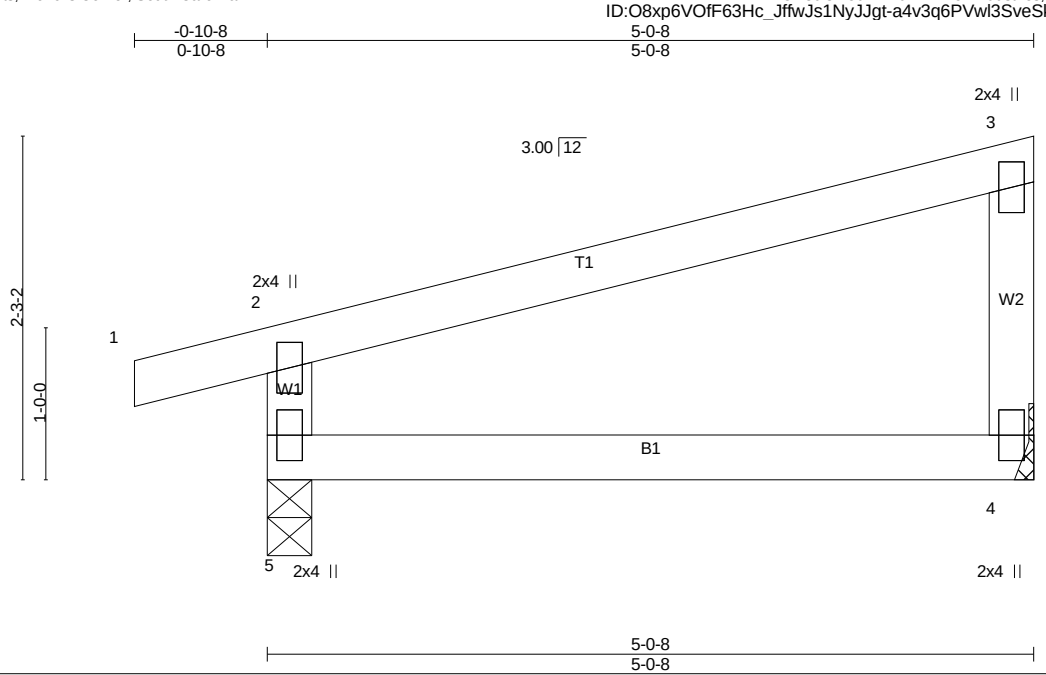

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.02	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.04	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 20 lb	FT = 0%

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 5-0-8 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. (lb/size)
4 = 183/Mechanical
5 = 258/0-3-8 (min. 0-1-8)
Max Horz
5 = 74(LC 11)
Max Uplift
4 = -41(LC 14)
5 = -75(LC 10)
Max Grav
4 = 237(LC 21)
5 = 341(LC 21)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-5=-305/104

NOTES- (10-11)
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R17	HALF HIP	5	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:17 2022 Page 1
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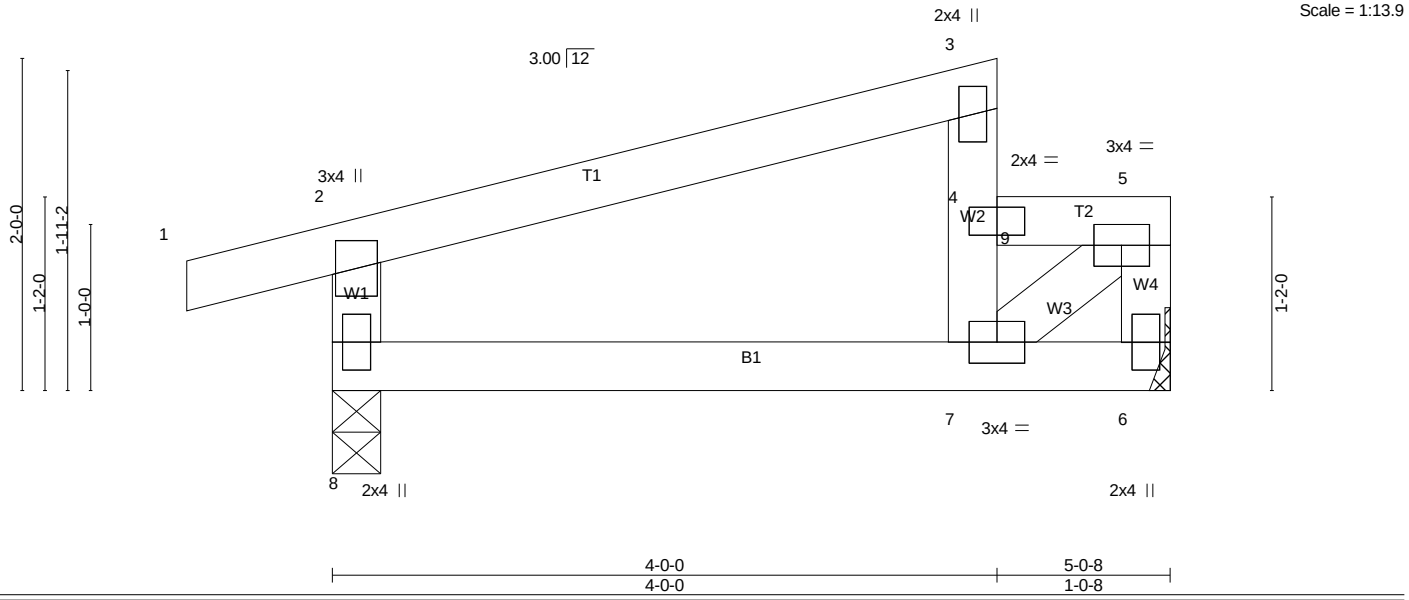

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.65	Vert(LL)	-0.01	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.25	Vert(CT)	-0.02	7-8	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.20	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH		Wind(LL)	0.00	7	>999	240	Weight: 22 lb	FT = 0%

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 5-0-8 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. (lb/size)
6 = 491/Mechanical
8 = 307/0-3-8 (min. 0-1-8)
Max Horz
8 = 72(LC 11)
Max Uplift
8 = -24(LC 10)
Max Grav
6 = 582(LC 2)
8 = 447(LC 2)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
2-3=-296/0, 4-7=-304/0, 4-9=-384/0, 5-9=-384/0, 5-6=-523/0, 2-8=-379/122
WEBS
5-7=0/423

NOTES- (13-14)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2E) -0-10-8 to 4-10-12 zone; 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) TCLL: ASCE 7-16; Pr=40.0 psf (roof LL: Lum DOL=1.00 Plate DOL=1.00); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8.
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) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 , 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
14) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 4-9=-60, 5-9=-140, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300
2) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-100, 2-3=-100, 4-9=-100, 5-9=-180, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300
3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-80, 2-3=-80, 4-9=-80, 5-9=-160, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300
4) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-3=-50, 4-9=-50, 5-9=-130, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300
5) Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-56, 2-3=-56, 4-9=-29, 5-9=-109, 6-8=-20
Concentrated Loads (lb)

Continued on page 2

LOAD CASE(S)

Standard
Concentrated Loads (lb)
Vert: 9=-300

6) Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 4-9=-62, 5-9=-142, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

7) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 4-9=-20, 5-9=-100, 6-8=-40
Concentrated Loads (lb)
Vert: 9=-300

8) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=56, 2-3=47, 4-9=47, 5-9=-33, 6-8=-10
Horz: 1-2=-66, 2-3=-57, 3-4=-48, 5-6=37, 2-8=-37
Concentrated Loads (lb)
Vert: 9=-300

9) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=0, 2-3=-45, 4-9=-45, 5-9=-125, 6-8=-20
Horz: 1-2=-20, 2-3=25, 3-4=30, 5-6=-34, 2-8=34
Concentrated Loads (lb)
Vert: 9=-300

10) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=38, 2-3=26, 4-9=10, 5-9=-70, 6-8=-10
Horz: 1-2=-48, 2-3=-36, 3-4=9, 5-6=19, 2-8=15
Concentrated Loads (lb)
Vert: 9=-300

11) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=8, 2-3=13, 4-9=26, 5-9=-54, 6-8=-10
Horz: 1-2=-18, 2-3=-23, 3-4=-24, 5-6=-15, 2-8=-19
Concentrated Loads (lb)
Vert: 9=-300

12) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-3=6, 4-9=-10, 5-9=-90, 6-8=-20
Horz: 1-2=-31, 2-3=-26, 3-4=30, 5-6=9, 2-8=25
Concentrated Loads (lb)
Vert: 9=-300

13) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-2, 2-3=-7, 4-9=6, 5-9=-74, 6-8=-20
Horz: 1-2=-18, 2-3=-13, 3-4=-3, 5-6=-25, 2-8=-9
Concentrated Loads (lb)
Vert: 9=-300

14) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=26, 4-9=10, 5-9=-70, 6-8=-10
Horz: 1-2=-31, 2-3=-36, 3-4=-41, 5-6=17, 2-8=12
Concentrated Loads (lb)
Vert: 9=-300

15) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-3=10, 4-9=26, 5-9=-54, 6-8=-10
Horz: 1-2=-15, 2-3=-20, 3-4=-26, 5-6=-12, 2-8=-17
Concentrated Loads (lb)
Vert: 9=-300

16) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=21, 2-3=26, 4-9=10, 5-9=-70, 6-8=-10
Horz: 1-2=-31, 2-3=-36, 3-4=-41, 5-6=17, 2-8=12
Concentrated Loads (lb)
Vert: 9=-300

Continued on page 3

Standard

17) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=5, 2-3=10, 4-9=26, 5-9=-54, 6-8=-10
Horz: 1-2=-15, 2-3=-20, 3-4=-26, 5-6=-12, 2-8=-17
Concentrated Loads (lb)
Vert: 9=-300

18) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=11, 2-3=6, 4-9=-10, 5-9=-90, 6-8=-20
Horz: 1-2=-31, 2-3=-26, 3-4=-20, 5-6=7, 2-8=23
Concentrated Loads (lb)
Vert: 9=-300

19) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-3=-10, 4-9=6, 5-9=-74, 6-8=-20
Horz: 1-2=-15, 2-3=-10, 3-4=-5, 5-6=-23, 2-8=-7
Concentrated Loads (lb)
Vert: 9=-300

20) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-100, 2-3=-20, 4-9=-20, 5-9=-100, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

21) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-68, 2-3=-68, 4-9=-32, 5-9=-112, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

22) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 4-9=-76, 5-9=-156, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

23) Dead: Lumber Increase=0.90, Plate Increase=0.90
Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 4-9=-20, 5-9=-100, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

24) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-3=-31, 4-9=-42, 5-9=-122, 6-8=-20
Horz: 1-2=-23, 2-3=-19, 3-4=23, 5-6=6, 2-8=19
Concentrated Loads (lb)
Vert: 9=-300

25) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-37, 2-3=-40, 4-9=-31, 5-9=-111, 6-8=-20
Horz: 1-2=-13, 2-3=-10, 3-4=-3, 5-6=-19, 2-8=-6
Concentrated Loads (lb)
Vert: 9=-300

26) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-27, 2-3=-31, 4-9=-42, 5-9=-122, 6-8=-20
Horz: 1-2=-23, 2-3=-19, 3-4=-15, 5-6=5, 2-8=17
Concentrated Loads (lb)
Vert: 9=-300

27) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-39, 2-3=-42, 4-9=-31, 5-9=-111, 6-8=-20
Horz: 1-2=-11, 2-3=-8, 3-4=-4, 5-6=-17, 2-8=-5
Concentrated Loads (lb)
Vert: 9=-300

28) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-57, 2-3=-61, 4-9=-72, 5-9=-152, 6-8=-20
Horz: 1-2=-23, 2-3=-19, 3-4=23, 5-6=6, 2-8=19
Concentrated Loads (lb)
Vert: 9=-300

29) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-67, 2-3=-70, 4-9=-61, 5-9=-141, 6-8=-20
Horz: 1-2=-13, 2-3=-10, 3-4=-3, 5-6=-19, 2-8=-6
Concentrated Loads (lb)
Vert: 9=-300

30) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-57, 2-3=-61, 4-9=-72, 5-9=-152, 6-8=-20
Horz: 1-2=-23, 2-3=-19, 3-4=-15, 5-6=5, 2-8=17
Concentrated Loads (lb)
Vert: 9=-300

31) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-69, 2-3=-72, 4-9=-61, 5-9=-141, 6-8=-20
Horz: 1-2=-11, 2-3=-8, 3-4=-4, 5-6=-17, 2-8=-5
Concentrated Loads (lb)
Vert: 9=-300

32) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 4-9=-60, 5-9=-140, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

33) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6, 2-3=-26, 4-9=-26, 5-9=-106, 6-8=-10
Horz: 1-2=-16, 2-3=16, 3-4=16, 5-6=-16, 2-8=16
Concentrated Loads (lb)
Vert: 9=-300

34) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6, 2-3=6, 4-9=6, 5-9=-74, 6-8=-10
Horz: 1-2=-16, 2-3=-16, 3-4=-16, 5-6=16, 2-8=-16
Concentrated Loads (lb)
Vert: 9=-300

35) 3rd Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 4-9=-89, 5-9=-169, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

36) 4th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-89, 2-3=-89, 4-9=-32, 5-9=-112, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

37) 5th Unbal.Dead + 0.75 Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-3=-29, 4-9=-72, 5-9=-152, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

38) 6th Unbal.Dead + 0.75 Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)

LOAD CASE(S)

Standard
Uniform Loads (plf)
Vert: 1-2=-72, 2-3=-72, 4-9=-29, 5-9=-109, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

39) 7th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-3=-10, 4-9=-64, 5-9=-144, 6-8=-20
Horz: 1-2=-23, 2-3=-19, 3-4=23, 5-6=6, 2-8=19
Concentrated Loads (lb)
Vert: 9=-300

40) 8th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-49, 2-3=-53, 4-9=-21, 5-9=-101, 6-8=-20
Horz: 1-2=-23, 2-3=-19, 3-4=23, 5-6=6, 2-8=19
Concentrated Loads (lb)
Vert: 9=-300

41) 9th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-16, 2-3=-19, 4-9=-53, 5-9=-133, 6-8=-20
Horz: 1-2=-13, 2-3=-10, 3-4=-3, 5-6=-19, 2-8=-6
Concentrated Loads (lb)
Vert: 9=-300

42) 10th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-58, 2-3=-62, 4-9=-10, 5-9=-90, 6-8=-20
Horz: 1-2=-13, 2-3=-10, 3-4=-3, 5-6=-19, 2-8=-6
Concentrated Loads (lb)
Vert: 9=-300

43) 11th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-6, 2-3=-10, 4-9=-64, 5-9=-144, 6-8=-20
Horz: 1-2=-23, 2-3=-19, 3-4=-15, 5-6=5, 2-8=17
Concentrated Loads (lb)
Vert: 9=-300

44) 12th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-49, 2-3=-53, 4-9=-21, 5-9=-101, 6-8=-20
Horz: 1-2=-23, 2-3=-19, 3-4=-15, 5-6=5, 2-8=17
Concentrated Loads (lb)
Vert: 9=-300

45) 13th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-18, 2-3=-21, 4-9=-53, 5-9=-133, 6-8=-20
Horz: 1-2=-11, 2-3=-8, 3-4=-4, 5-6=-17, 2-8=-5
Concentrated Loads (lb)
Vert: 9=-300

46) 14th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-61, 2-3=-64, 4-9=-10, 5-9=-90, 6-8=-20
Horz: 1-2=-11, 2-3=-8, 3-4=-4, 5-6=-17, 2-8=-5
Concentrated Loads (lb)
Vert: 9=-300

47) 15th Unbal.Dead + Minimum Snow + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-3=-32, 4-9=-89, 5-9=-169, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

48) 16th Unbal.Dead + Minimum Snow + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)

Standard
Vert: 1-2=-89, 2-3=-89, 4-9=-32, 5-9=-112, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

49) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-100, 2-3=-100, 4-9=-20, 5-9=-100, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

50) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 4-9=-100, 5-9=-180, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

51) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-80, 2-3=-80, 4-9=-20, 5-9=-100, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

52) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-3=-20, 4-9=-80, 5-9=-160, 6-8=-20
Concentrated Loads (lb)
Vert: 9=-300

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R18	Roof Special	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:20 2022 Page 1

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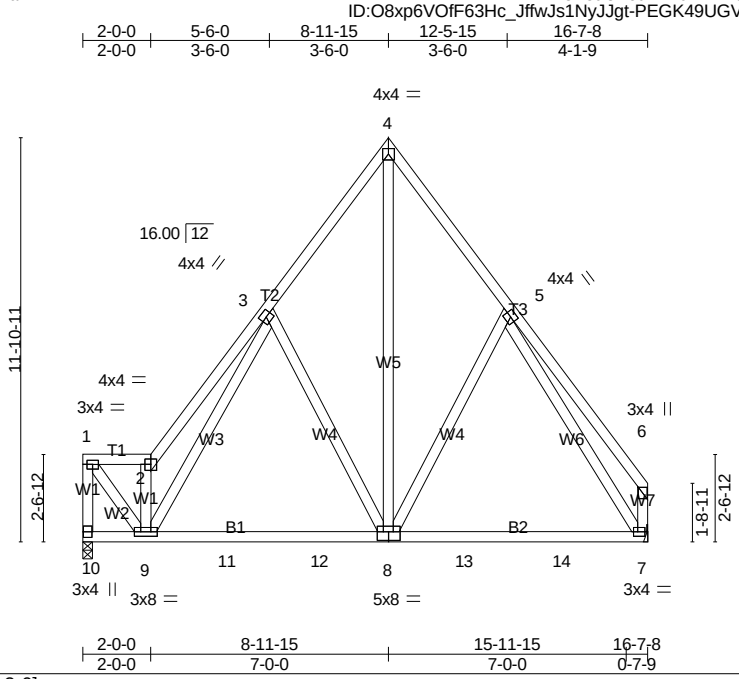

Plate Offsets (X,Y)-- [7:0-1-8,0-1-8], [8:0-4-0,0-3-0]

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	0.39	Vert(LL)	-0.13	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.66	Vert(CT)	-0.20	7-8	>968	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 137 lb	FT = 0%

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

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 5-4-2 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. (lb/size)
10 = 653/0-3-8 (min. 0-1-8)
7 = 653/Mechanical
Max Horz
10 = -308(LC 8)
Max Uplift
10 = -89(LC 13)
7 = -95(LC 12)
Max Grav
10 = 733(LC 20)
7 = 768(LC 19)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-10=-771/82, 1-2=-552/92, 2-3=-1024/295, 3-4=-595/261, 4-5=-582/264, 5-6=-293/196, 6-7=-291/180
BOT CHORD
9-10=-283/288, 9-11=-133/520, 11-12=-133/520, 8-12=-133/520, 8-13=-32/372, 13-14=-32/372, 7-14=-32/372
WEBS
1-9=-90/916, 2-9=-888/283, 3-9=-165/493, 3-8=-354/259, 4-8=-333/699, 5-8=-248/270, 5-7=-567/79

NOTES- (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Provide adequate drainage to prevent water ponding.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 7.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R19	HALF HIP SUPPORTED	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:24 2022 Page 1
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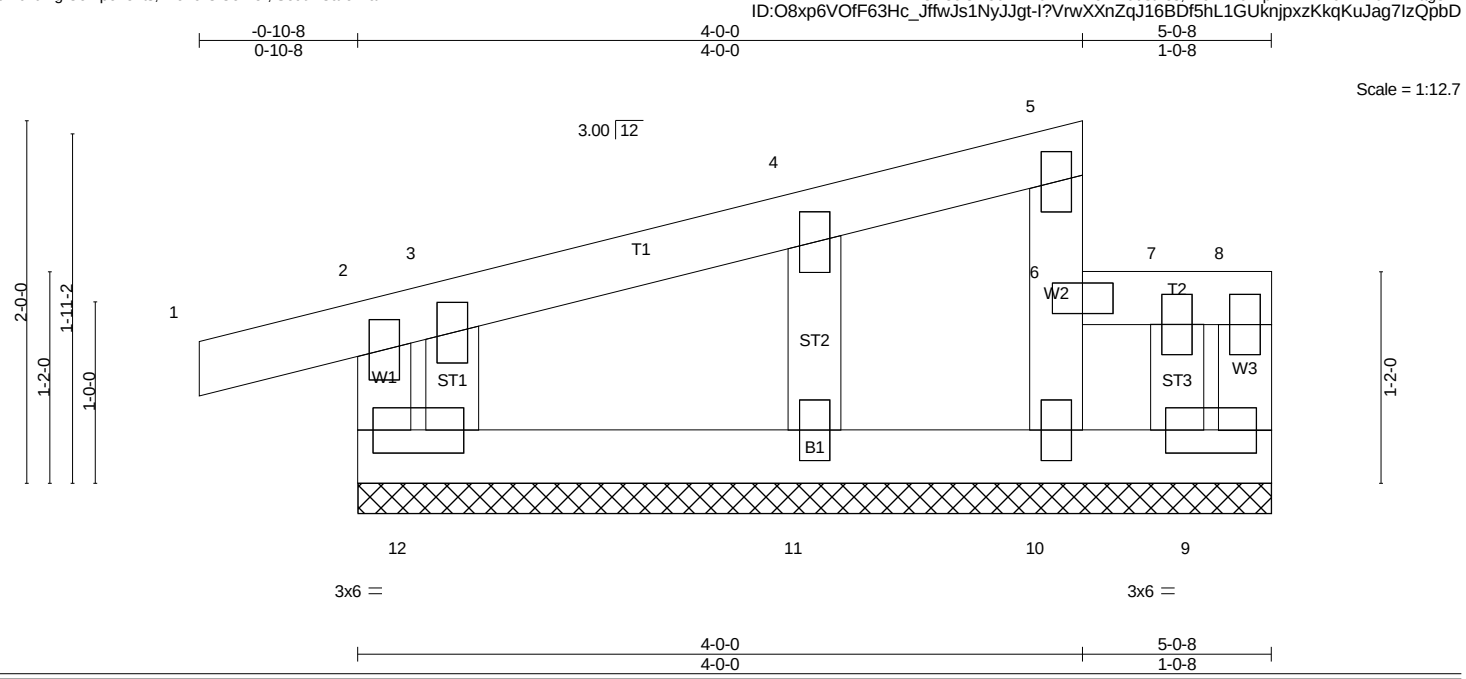

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.15	Vert(LL)	-0.00	1	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.06	Vert(CT)	-0.00	1	n/r	80		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.05	Horz(CT)	-0.00	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 24 lb	FT = 0%

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

BRACING-
TOP CHORD
Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals.
BOT CHORD
Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. All bearings 5-0-8.
(lb) - Max Horz
12= 72(LC 11)
Max Uplift
All uplift 100 lb or less at joint(s) 12, 11
Max Grav
All reactions 250 lb or less at joint(s) 10, 11 except 12=267(LC 2), 9=313(LC 50)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS
7-9=-269/0

NOTES- (17-18)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3E) -0-10-8 to 4-10-12 zone; 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

Continued on page 2

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) TCLL: ASCE 7-16; Pr=40.0 psf (roof LL: Lum DOL=1.00 Plate DOL=1.00); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
7) Provide adequate drainage to prevent water ponding.
8) All plates are 2x4 MT20 unless otherwise indicated.
9) Gable requires continuous bottom chord bearing.
10) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
11) Gable studs spaced at 2-0-0 oc.
12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
13) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 11.
15) 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.
16) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 , 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
17) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
18) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-5=-60, 6-8=-60, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300
2) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-100, 2-5=-100, 6-8=-100, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300
3) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-80, 2-5=-80, 6-8=-80, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300
4) Dead + 0.75 Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-50, 2-5=-50, 6-8=-50, 9-12=-20
Concentrated Loads (lb)

LOAD CASE(S)

Standard
Concentrated Loads (lb)
Vert: 7=-300

5) Dead + 0.75 Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-56, 2-5=-56, 6-8=-29, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

6) Dead + 0.75 Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-5=-29, 6-8=-62, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

7) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-20, 2-5=-20, 6-8=-20, 9-12=-40
Concentrated Loads (lb)
Vert: 7=-300

8) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=45, 1-2=107, 2-5=81, 6-8=81, 8-9=-45, 9-12=-10
Horz: 2-12=-45, 1-2=-117, 2-5=-91, 5-6=-10, 8-9=45
Concentrated Loads (lb)
Vert: 7=-300

9) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=-34, 1-2=0, 2-5=-45, 6-8=-45, 8-9=34, 9-12=-20
Horz: 2-12=34, 1-2=-20, 2-5=25, 5-6=30, 8-9=-34
Concentrated Loads (lb)
Vert: 7=-300

10) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=-15, 1-2=38, 2-5=26, 6-8=10, 8-9=-19, 9-12=-10
Horz: 2-12=15, 1-2=-48, 2-5=-36, 5-6=9, 8-9=19
Concentrated Loads (lb)
Vert: 7=-300

11) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=19, 1-2=8, 2-5=13, 6-8=26, 8-9=15, 9-12=-10
Horz: 2-12=-19, 1-2=-18, 2-5=-23, 5-6=-24, 8-9=-15
Concentrated Loads (lb)
Vert: 7=-300

12) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=-25, 1-2=11, 2-5=6, 6-8=-10, 8-9=-9, 9-12=-20
Horz: 2-12=25, 1-2=-31, 2-5=-26, 5-6=30, 8-9=9
Concentrated Loads (lb)
Vert: 7=-300

13) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=9, 1-2=-2, 2-5=-7, 6-8=6, 8-9=25, 9-12=-20
Horz: 2-12=-9, 1-2=-18, 2-5=-13, 5-6=-3, 8-9=-25
Concentrated Loads (lb)
Vert: 7=-300

14) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=-12, 1-2=21, 2-5=26, 6-8=10, 8-9=-17, 9-12=-10
Horz: 2-12=12, 1-2=-31, 2-5=-36, 5-6=-41, 8-9=17
Concentrated Loads (lb)
Vert: 7=-300

Standard

15) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=17, 1-2=5, 2-5=10, 6-8=26, 8-9=12, 9-12=-10
Horz: 2-12=-17, 1-2=-15, 2-5=-20, 5-6=-26, 8-9=-12
Concentrated Loads (lb)
Vert: 7=-300

16) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=-12, 1-2=21, 2-5=26, 6-8=10, 8-9=-17, 9-12=-10
Horz: 2-12=12, 1-2=-31, 2-5=-36, 5-6=-41, 8-9=17
Concentrated Loads (lb)
Vert: 7=-300

17) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=17, 1-2=5, 2-5=10, 6-8=26, 8-9=12, 9-12=-10
Horz: 2-12=-17, 1-2=-15, 2-5=-20, 5-6=-26, 8-9=-12
Concentrated Loads (lb)
Vert: 7=-300

18) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=-23, 1-2=11, 2-5=6, 6-8=-10, 8-9=-7, 9-12=-20
Horz: 2-12=23, 1-2=-31, 2-5=-26, 5-6=-20, 8-9=7
Concentrated Loads (lb)
Vert: 7=-300

19) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=7, 1-2=-5, 2-5=-10, 6-8=6, 8-9=23, 9-12=-20
Horz: 2-12=-7, 1-2=-15, 2-5=-10, 5-6=-5, 8-9=-23
Concentrated Loads (lb)
Vert: 7=-300

20) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-100, 2-5=-20, 6-8=-20, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

21) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-68, 2-5=-68, 6-8=-32, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

22) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-5=-32, 6-8=-76, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

23) Dead: Lumber Increase=0.90, Plate Increase=0.90
Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-2=-20, 2-5=-20, 6-8=-20, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

24) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)

Standard
Vert: 2-12=-19, 1-2=-27, 2-5=-31, 6-8=-42, 8-9=-6, 9-12=-20
Horz: 2-12=19, 1-2=-23, 2-5=-19, 5-6=23, 8-9=6
Concentrated Loads (lb)
Vert: 7=-300

25) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=6, 1-2=-37, 2-5=-40, 6-8=-31, 8-9=19, 9-12=-20
Horz: 2-12=-6, 1-2=-13, 2-5=-10, 5-6=-3, 8-9=-19
Concentrated Loads (lb)
Vert: 7=-300

26) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=-17, 1-2=-27, 2-5=-31, 6-8=-42, 8-9=-5, 9-12=-20
Horz: 2-12=17, 1-2=-23, 2-5=-19, 5-6=-15, 8-9=5
Concentrated Loads (lb)
Vert: 7=-300

27) Dead + 0.75 Snow (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=5, 1-2=-39, 2-5=-42, 6-8=-31, 8-9=17, 9-12=-20
Horz: 2-12=-5, 1-2=-11, 2-5=-8, 5-6=-4, 8-9=-17
Concentrated Loads (lb)
Vert: 7=-300

28) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=-19, 1-2=-57, 2-5=-61, 6-8=-72, 8-9=-6, 9-12=-20
Horz: 2-12=19, 1-2=-23, 2-5=-19, 5-6=23, 8-9=6
Concentrated Loads (lb)
Vert: 7=-300

29) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=6, 1-2=-67, 2-5=-70, 6-8=-61, 8-9=19, 9-12=-20
Horz: 2-12=-6, 1-2=-13, 2-5=-10, 5-6=-3, 8-9=-19
Concentrated Loads (lb)
Vert: 7=-300

30) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=-17, 1-2=-57, 2-5=-61, 6-8=-72, 8-9=-5, 9-12=-20
Horz: 2-12=17, 1-2=-23, 2-5=-19, 5-6=-15, 8-9=5
Concentrated Loads (lb)
Vert: 7=-300

31) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=5, 1-2=-69, 2-5=-72, 6-8=-61, 8-9=17, 9-12=-20
Horz: 2-12=-5, 1-2=-11, 2-5=-8, 5-6=-4, 8-9=-17
Concentrated Loads (lb)
Vert: 7=-300

32) Dead + Minimum Snow: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-5=-60, 6-8=-60, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

33) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)

Continued on page 3

LOAD CASE(S)

Standard
Uniform Loads (plf)
Vert: 2-12=-16, 1-2=6, 2-5=-26, 6-8=-26, 8-9=16, 9-12=-10
Horz: 2-12=16, 1-2=-16, 2-5=16, 5-6=16, 8-9=-16
Concentrated Loads (lb)
Vert: 7=-300

34) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=16, 1-2=6, 2-5=6, 6-8=6, 8-9=-16, 9-12=-10
Horz: 2-12=-16, 1-2=-16, 2-5=-16, 5-6=-16, 8-9=16
Concentrated Loads (lb)
Vert: 7=-300

35) 3rd Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-5=-32, 6-8=-89, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

36) 4th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-89, 2-5=-89, 6-8=-32, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

37) 5th Unbal.Dead + 0.75 Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-29, 2-5=-29, 6-8=-72, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

38) 6th Unbal.Dead + 0.75 Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-72, 2-5=-72, 6-8=-29, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

39) 7th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=-19, 1-2=-6, 2-5=-10, 6-8=-64, 8-9=-6, 9-12=-20
Horz: 2-12=19, 1-2=-23, 2-5=-19, 5-6=23, 8-9=6
Concentrated Loads (lb)
Vert: 7=-300

40) 8th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=-19, 1-2=-49, 2-5=-53, 6-8=-21, 8-9=-6, 9-12=-20
Horz: 2-12=19, 1-2=-23, 2-5=-19, 5-6=23, 8-9=6
Concentrated Loads (lb)
Vert: 7=-300

41) 9th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=6, 1-2=-16, 2-5=-19, 6-8=-53, 8-9=19, 9-12=-20
Horz: 2-12=-6, 1-2=-13, 2-5=-10, 5-6=-3, 8-9=-19
Concentrated Loads (lb)
Vert: 7=-300

42) 10th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right) + Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=6, 1-2=-58, 2-5=-62, 6-8=-10, 8-9=19, 9-12=-20
Horz: 2-12=-6, 1-2=-13, 2-5=-10, 5-6=-3, 8-9=-19
Concentrated Loads (lb)
Vert: 7=-300

43) 11th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60

Standard
Uniform Loads (plf)
Vert: 2-12=-17, 1-2=-6, 2-5=-10, 6-8=-64, 8-9=-5, 9-12=-20
Horz: 2-12=17, 1-2=-23, 2-5=-19, 5-6=-15, 8-9=5
Concentrated Loads (lb)
Vert: 7=-300

44) 12th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=-17, 1-2=-49, 2-5=-53, 6-8=-21, 8-9=-5, 9-12=-20
Horz: 2-12=17, 1-2=-23, 2-5=-19, 5-6=-15, 8-9=5
Concentrated Loads (lb)
Vert: 7=-300

45) 13th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=5, 1-2=-18, 2-5=-21, 6-8=-53, 8-9=17, 9-12=-20
Horz: 2-12=-5, 1-2=-11, 2-5=-8, 5-6=-4, 8-9=-17
Concentrated Loads (lb)
Vert: 7=-300

46) 14th Unbal.Dead + 0.75 Snow (unbal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-12=5, 1-2=-61, 2-5=-64, 6-8=-10, 8-9=17, 9-12=-20
Horz: 2-12=-5, 1-2=-11, 2-5=-8, 5-6=-4, 8-9=-17
Concentrated Loads (lb)
Vert: 7=-300

47) 15th Unbal.Dead + Minimum Snow + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-32, 2-5=-32, 6-8=-89, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

48) 16th Unbal.Dead + Minimum Snow + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-89, 2-5=-89, 6-8=-32, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

49) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-100, 2-5=-100, 6-8=-20, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

50) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-5=-20, 6-8=-100, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

51) 3rd Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-80, 2-5=-80, 6-8=-20, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

52) 4th Dead + 0.75 Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-2=-20, 2-5=-20, 6-8=-80, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-300

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R20	Roof Special	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:27 2022 Page 1
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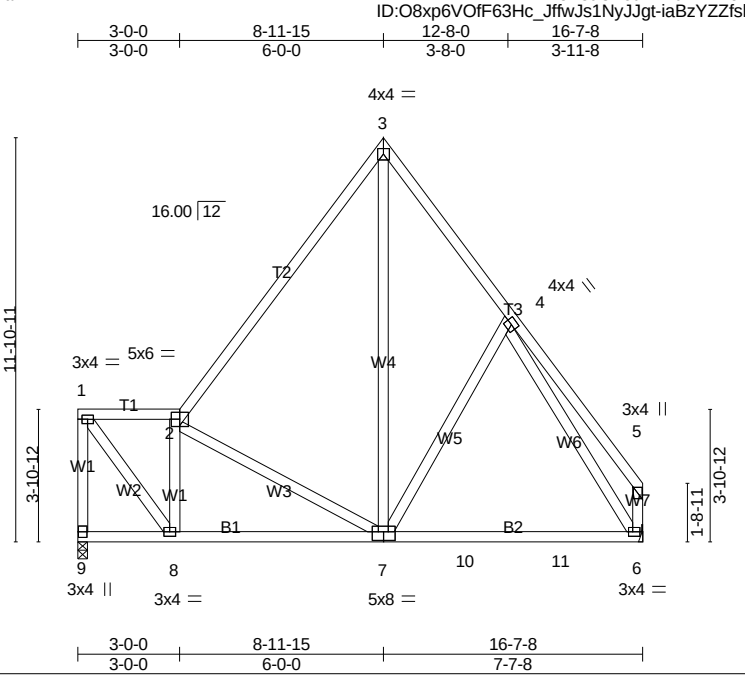

Plate Offsets (X,Y)-- [6:0-1-8,0-1-8], [7:0-4-0,0-3-0]

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	0.70	Vert(LL)	-0.17	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.25	6-7	>793	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 130 lb	FT = 0%

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 4-11-10 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. (lb/size)
9 = 653/0-3-8 (min. 0-1-8)
6 = 653/Mechanical
Max Horz
9 = -321(LC 8)
Max Uplift
9 = -90(LC 13)
6 = -84(LC 12)
Max Grav
9 = 653(LC 1)
6 = 725(LC 19)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-9=-634/109, 1-2=-461/148, 2-3=-606/197, 3-4=-546/249, 4-5=-297/189, 5-6=-289/174
BOT CHORD
8-9=-277/291, 7-8=-167/591, 7-10=-29/338, 10-11=-29/338, 6-11=-29/338
WEBS
1-8=-155/736, 2-8=-523/164, 2-7=-372/212, 3-7=-208/532, 4-7=-217/254, 4-6=-481/69

WEBS
1-8=-155/736, 2-8=-523/164, 2-7=-372/212, 3-7=-208/532, 4-7=-217/254, 4-6=-481/69

NOTES- (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Provide adequate drainage to prevent water ponding.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 6.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R21	Roof Special	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:30 2022 Page 1
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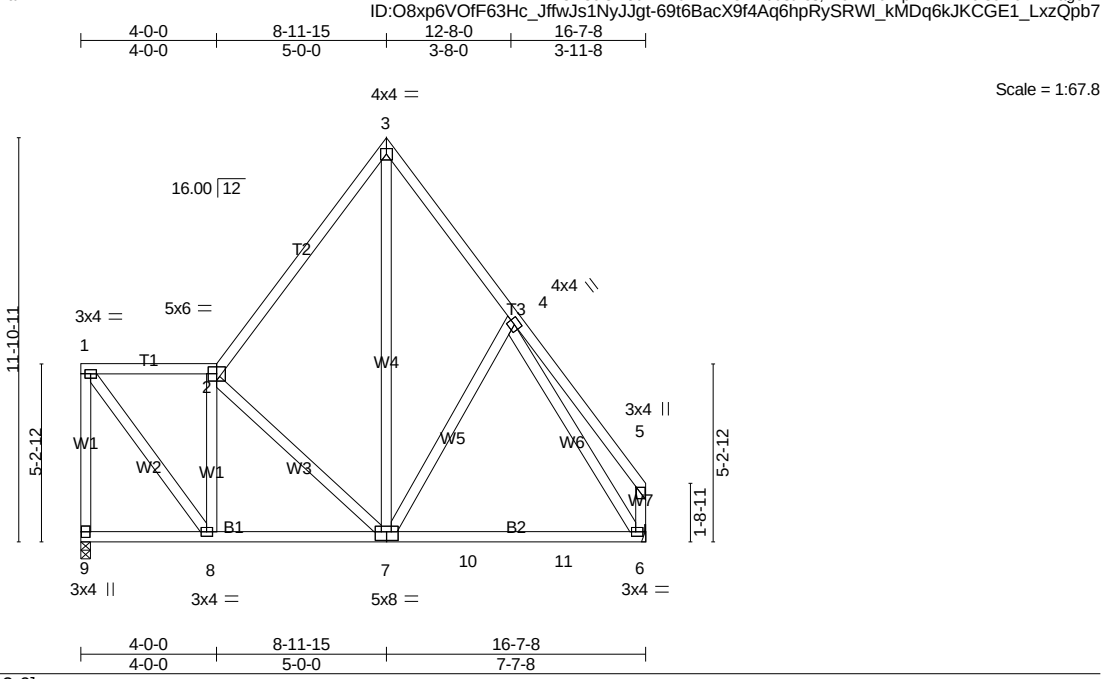

Plate Offsets (X,Y)-- [6:0-1-8,0-1-8], [7:0-4-0,0-3-0]

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	0.46	Vert(LL)	-0.16	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.25	6-7	>789	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 135 lb	FT = 0%

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 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. (lb/size)
9 = 653/0-3-8 (min. 0-1-8)
6 = 653/Mechanical
Max Horz
9 = -335(LC 8)
Max Uplift
9 = -91(LC 13)
6 = -67(LC 12)
Max Grav
9 = 653(LC 1)
6 = 722(LC 19)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-9=-618/121, 1-2=-426/149,
2-3=-575/210, 3-4=-550/253,
4-5=-296/185, 5-6=-285/170
BOT CHORD
8-9=-270/295, 7-8=-146/520,
7-10=-30/337, 10-11=-30/337,
6-11=-30/337
WEBS
1-8=-126/664, 2-8=-487/136,
2-7=-342/197, 3-7=-248/581,
4-7=-229/258, 4-6=-480/73

WEBS
1-8=-126/664, 2-8=-487/136,
2-7=-342/197, 3-7=-248/581,
4-7=-229/258, 4-6=-480/73

NOTES- (10-11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Provide adequate drainage to prevent water ponding.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 6.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	R22	Roof Special Girder	1	2	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:36 2022 Page 1
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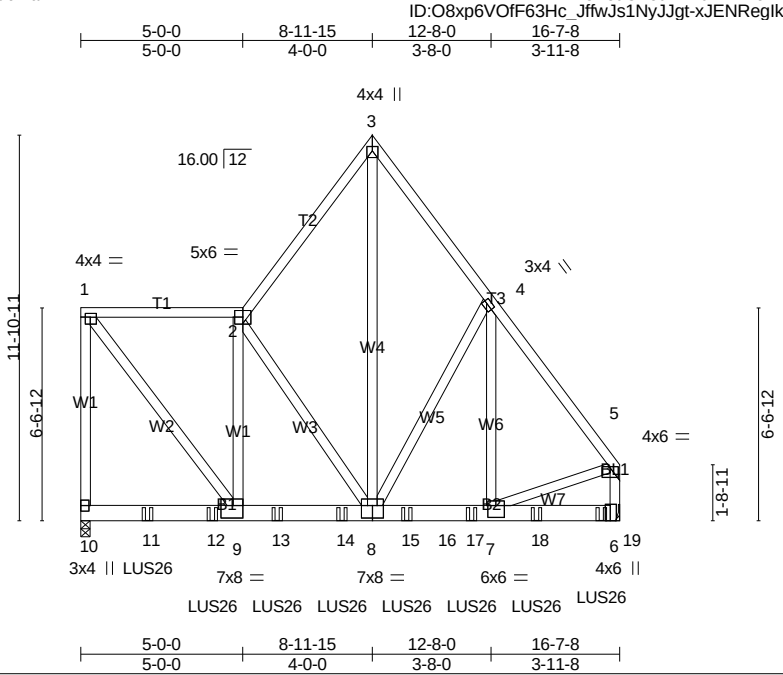


Plate Offsets (X,Y)-- [1:0-1-12,0-1-8], [3:0-1-8,0-2-0], [4:0-1-0,0-1-8], [5:0-3-0,0-0-8], [7:0-3-0,0-4-4], [8:0-4-0,0-4-8], [9:0-3-8,0-4-8]

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	0.86	Vert(LL)	-0.06	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.78	Vert(CT)	-0.12	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-SH							Weight: 316 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.1

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

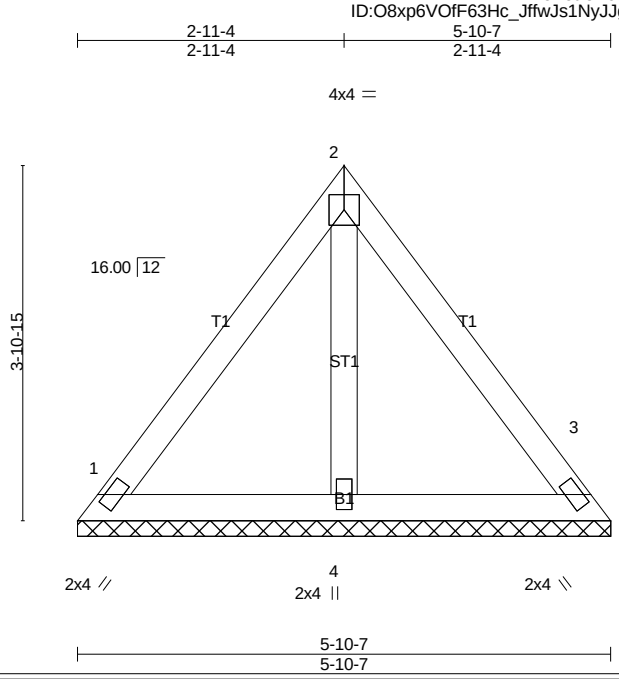
REACTIONS. (lb/size)
10 = 4228/0-3-8 (min. 0-2-9)
6 = 4952/Mechanical
Max Horz
10 = -345(LC 33)
Max Uplift
10 = -525(LC 6)
6 = -519(LC 10)
Max Grav
10 = 4317(LC 3)
6 = 5090(LC 3)

FORCES. (lb)
Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
1-10=-3616/476, 1-2=-2685/391, 2-3=-2908/506, 3-4=-2919/474, 4-5=-3728/443, 5-6=-3773/421
BOT CHORD
10-11=-262/304, 11-12=-262/304, 9-12=-262/304, 9-13=-394/2707, 13-14=-394/2707, 8-14=-394/2707, 8-15=-236/2187, 15-16=-236/2187, 16-17=-236/2187, 7-17=-236/2187
WEBS
1-9=-556/4382, 2-9=-981/206, 2-8=-1859/278, 3-8=-695/4268, 4-8=-1032/328, 4-7=-152/1413, 5-7=-234/2123

NOTES- (15-16)
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: 2x6 - 2 rows staggered at 0-5-0 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=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
6) Provide adequate drainage to prevent water ponding.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=525, 6=519.
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) Use Simpson Strong-Tie LUS26 (4-SD9112 Girder , 4-SD9212 Truss, Single Ply Girder) or equivalent spaced at 12-0-0 oc max. starting at 2-0-12 from the left end to 16-0-12 to connect truss(es) R06A (1 ply 2x4 SP) to front face of bottom chord.
13) Use Simpson Strong-Tie LUS26 (4-10d Girder, 4-10d Truss) or equivalent spaced at 2-0-0 oc max. starting at 4-0-12 from the left end to 12-0-12 to connect truss(es) R06 (1 ply 2x4 SP) to front face of bottom chord.
14) Fill all nail holes where hanger is in contact with lumber.
15) Graphical web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
16) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 3-5=-60, 6-10=-20
Concentrated Loads (lb)
Vert: 11=-980(F) 12=-986(F) 13=-986(F) 14=-986(F) 15=-986(F) 17=-986(F) 18=-980(F) 19=-985(F)

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	VT05	Valley	1	1	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	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 27 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 5-10-7 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)
1 = 137/5-10-7 (min. 0-1-8)
3 = 137/5-10-7 (min. 0-1-8)
4 = 150/5-10-7 (min. 0-1-8)
Max Horz
1 = -88(LC 8)
Max Uplift
1 = -43(LC 13)
3 = -36(LC 12)
Max Grav
1 = 137(LC 1)
3 = 137(LC 1)
4 = 160(LC 5)

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

NOTES- (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
10) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	VT06	Valley	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:42 2022 Page 1
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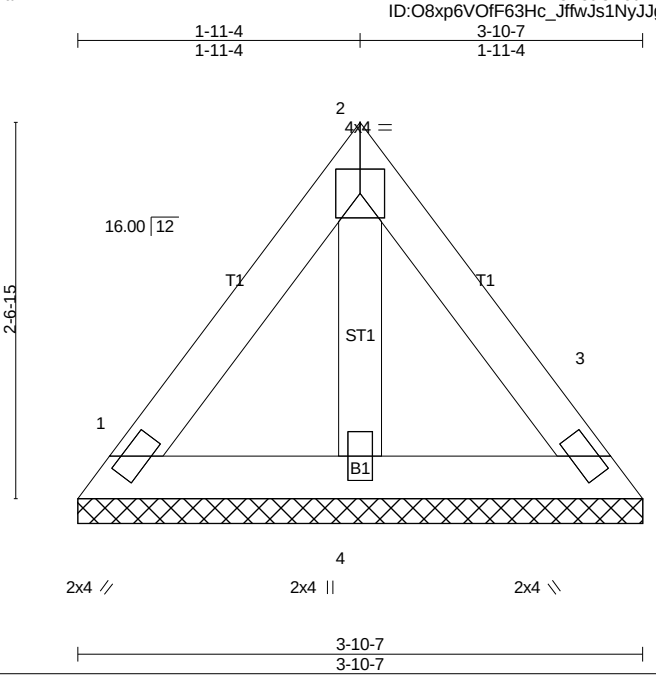

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 17 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.3
OTHERS 2x4 SP No.3
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 3-10-7 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)
1 = 85/3-10-7 (min. 0-1-8)
3 = 85/3-10-7 (min. 0-1-8)
4 = 93/3-10-7 (min. 0-1-8)
Max Horz
1 = -54(LC 8)
Max Uplift
1 = -27(LC 13)
3 = -22(LC 12)
Max Grav
1 = 85(LC 1)
3 = 85(LC 1)
4 = 100(LC 5)

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

NOTES- (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
10) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard

Job	Truss	Truss Type	Qty	Ply	LOT 66 CROSSING @ ANDERSON CREEK | 259 TIMBER SKIP DRIVE SPRI
22-2669-R01	VT07	Valley	1	1	Job Reference (optional)

Atlantic Building Components, Moncks Corner, South Carolina 8.430 s Feb 12 2021 MiTek Industries, Inc. Thu Apr 14 12:26:45 2022 Page 1
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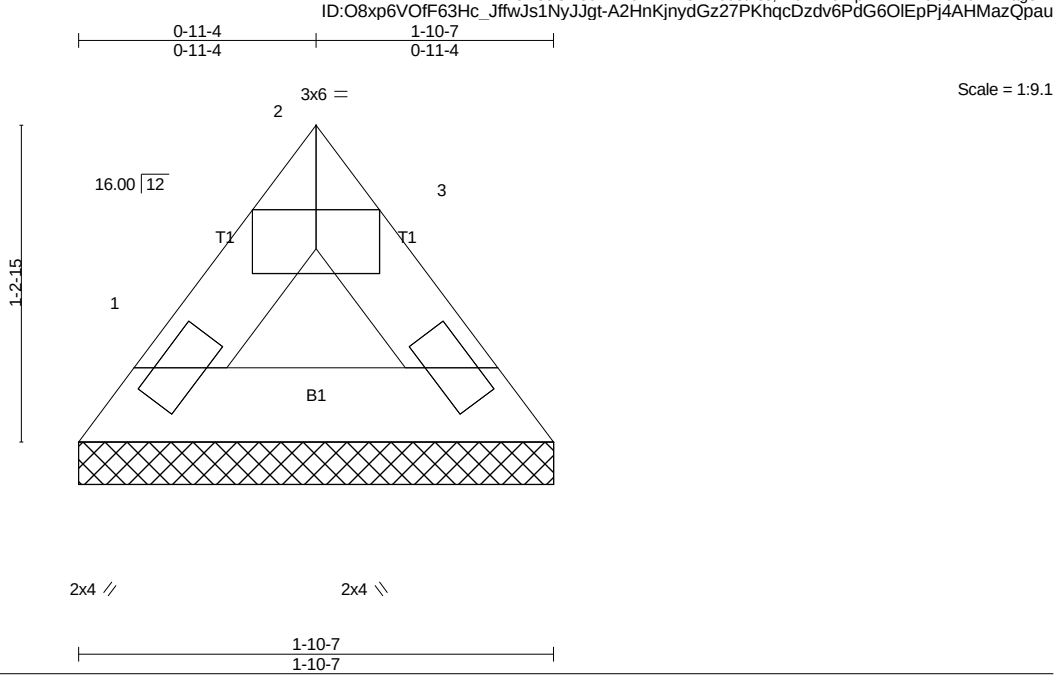

Plate Offsets (X,Y)-- [2:Edge,0-1-13]

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	0.01	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	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 6 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.3
BRACING-
TOP CHORD
Structural wood sheathing directly applied or 1-10-7 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)
1 = 51/1-10-7 (min. 0-1-8)
3 = 51/1-10-7 (min. 0-1-8)
Max Horz
1 = -21(LC 8)
Max Uplift
1 = -7(LC 13)
3 = -7(LC 12)

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

NOTES- (9-10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=103mph; TCDL=5.0psf; BCDL=5.0psf; h=23ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; 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) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Gable requires continuous bottom chord bearing.
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 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
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 web bracing representation does not depict the size, type or the orientation of the brace on the web. Symbol only indicates that the member must be braced.
10) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

LOAD CASE(S)
Standard