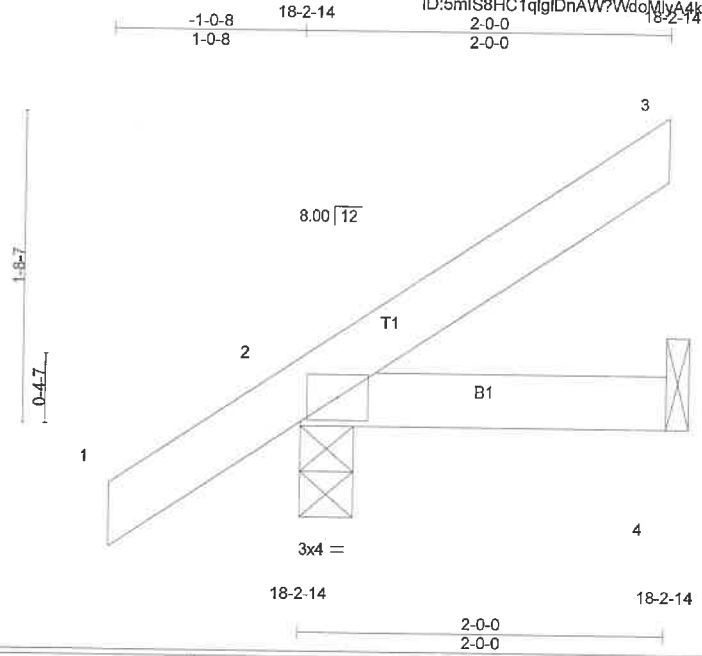


Job 17120040	Truss J2	Truss Type Jack-Open	Qty 5	Ply 1	HB,JD - Function
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Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:26 2018 Page 1
 ID:5mIS8HC1qIqDnAW?WdoMlyA4k-zWrvC9JdSBUDLIv0haa2z?J3JA3uSiG2fHFEpzzFFV



Scale: 1"=1'

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.23	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.21	Vert(LL) -0.01 4-7 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Vert(TL) -0.01 4-7 >999 180		
BCLL 0.0	Rep Stress Incr YES	Matrix-MP	Horz(TL) 0.00 2 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 7 lb	FT = 18%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-0-0 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=181/0-3-8 (min. 0-1-8), 4=71/Mechanical
 Max Horz 2=90(LC 10)
 Max Uplift 2=-63(LC 10), 4=-37(LC 11)
 Max Grav 2=216(LC 14), 4=88(LC 14)

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

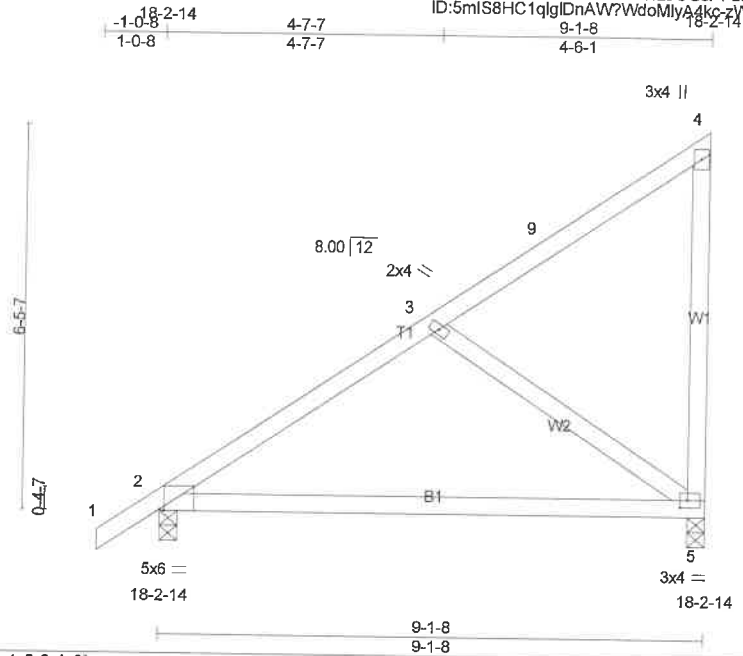
- NOTES-**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.80 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.3 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) Refer to girder(s) for truss to truss connections.
 - 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 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HBJD - Function
17120040	M1	Monopitch	7	1	

Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:26 2018 Page 1
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Scale = 1:37.1

Plate Offsets (X,Y)-- [2:0-0-13,Edge], [5:0-1-8,0-1-8]

LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.18	5-8	>607	240	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.55	Vert(TL)	-0.45	5-8	>237	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.01	5	n/a	n/a		
BCLL	0.0	Code IRC2009/TPI2007		Matrix-MS								
BCDL	10.0										Weight: 37 lb	FT = 18%

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

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

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

REACTIONS. (lb/size) 2=481/0-3-8 (min. 0-1-8), 5=400/0-3-8 (min. 0-1-8)
 Max Horz 2=256(LC 9)
 Max Uplift 2=90(LC 10), 5=-117(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-401/128
 BOT CHORD 2-5=-252/311
 WEBS 3-5=-358/216

- NOTES-**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp C; Partially Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.3 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 5=117.
 - 7) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HBJD - Function
17120040	M2	Monopitch	3	1	

Carter Components, Millbury, Ohio 43447

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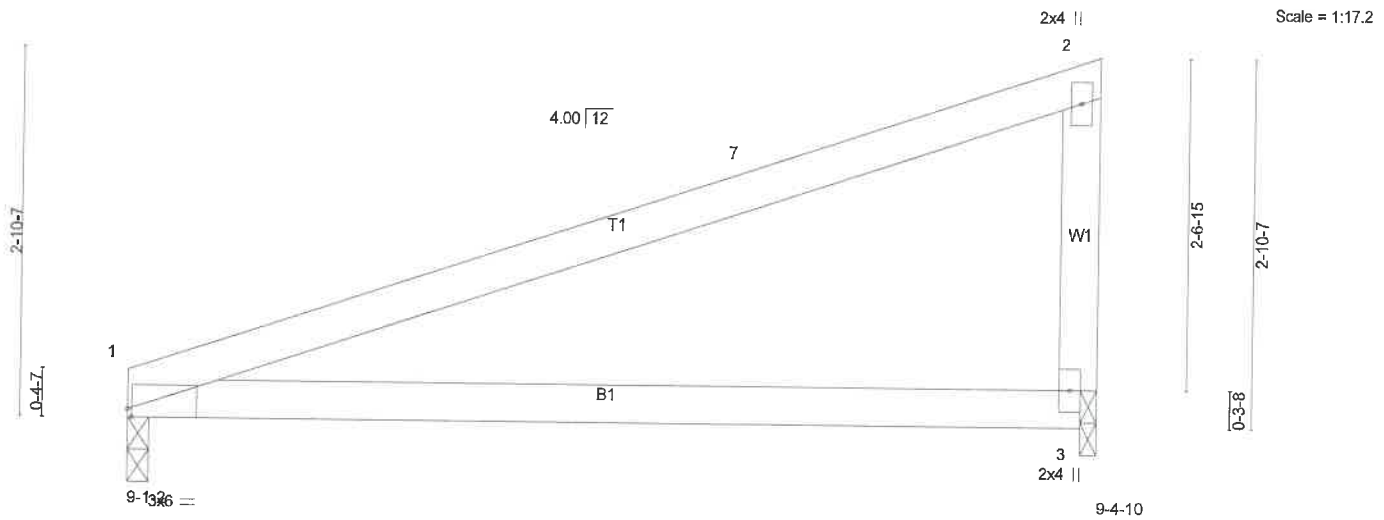


Plate Offsets (X,Y)-- [1:0-0-6,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.85	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.64	Vert(LL) -0.17 3-6 >523 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Vert(TL) -0.43 3-6 >203 180		
BCLL 0.0	Rep Stress Incr YES	Matrix-MP	Horz(TL) 0.01 1 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 20 lb	FT = 18%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-9-12 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) 1=331/0-2-0 (min. 0-1-8), 3=331/0-1-8 (min. 0-1-8)
 Max Horz 1=113(LC 9)
 Max Uplift 1=-56(LC 8), 3=-74(LC 10)

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

NOTES-

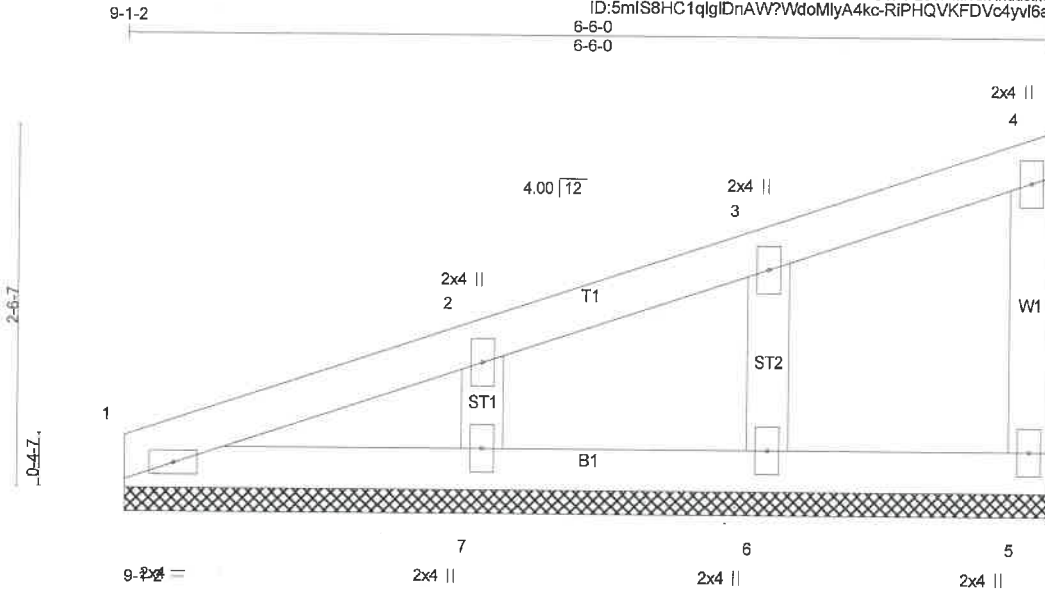
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
- 3) Unbalanced snow loads have been considered for this design.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) Bearing at joint(s) 3 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 1, 3.
- 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 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HBJD - Function
17120040	M2G	GABLE	1	1	

Carter Components, Millbury, Ohio 43447

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Scale = 1:15.6

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.08	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.04	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.03	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-P	Horz(TL) 0.00 5 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 20 lb	FT = 18%

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

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

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

REACTIONS. All bearings 6-6-0.
 (lb) - Max Horz 1=99(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 5, 6, 7
 Max Grav All reactions 250 lb or less at joint(s) 1, 5, 6, 7

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

- NOTES-**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Gable studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6, 7.
 - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HBJD - Function
17120040	M3A	Roof Special	2	1	

Carter Components, Millbury, Ohio 43447

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

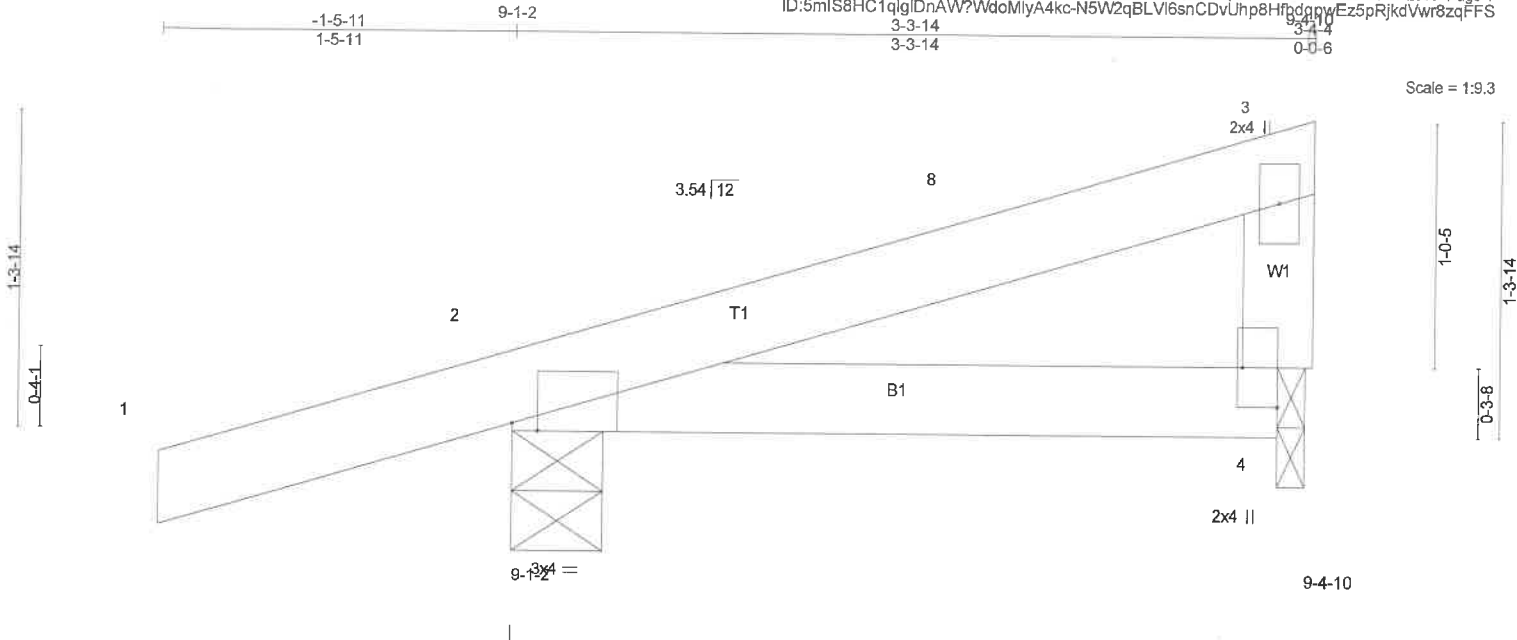


Plate Offsets (X, Y)-- [2:0-1-4 Edge], [4:Edge,0-1-12]

LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	2-0-0	TC	0.20	in	(oc)	l/defl	L/d	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.07	Vert(LL)	0.01	4-7	>999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Vert(TL)	-0.01	4-7	>999		
BCLL	0.0	Code IRC2009/TPI2007		Matrix	MP	Horz(TL)	0.00	2	n/a		
BCDL	10.0									Weight: 10 lb	FT = 18%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-4-4 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) 2=271/0-4-9 (min. 0-1-8), 4=121/0-1-6 (min. 0-1-8)
 Max Horz 2=52(LC 9)
 Max Uplift 2=-111(LC 8), 4=-14(LC 10)

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

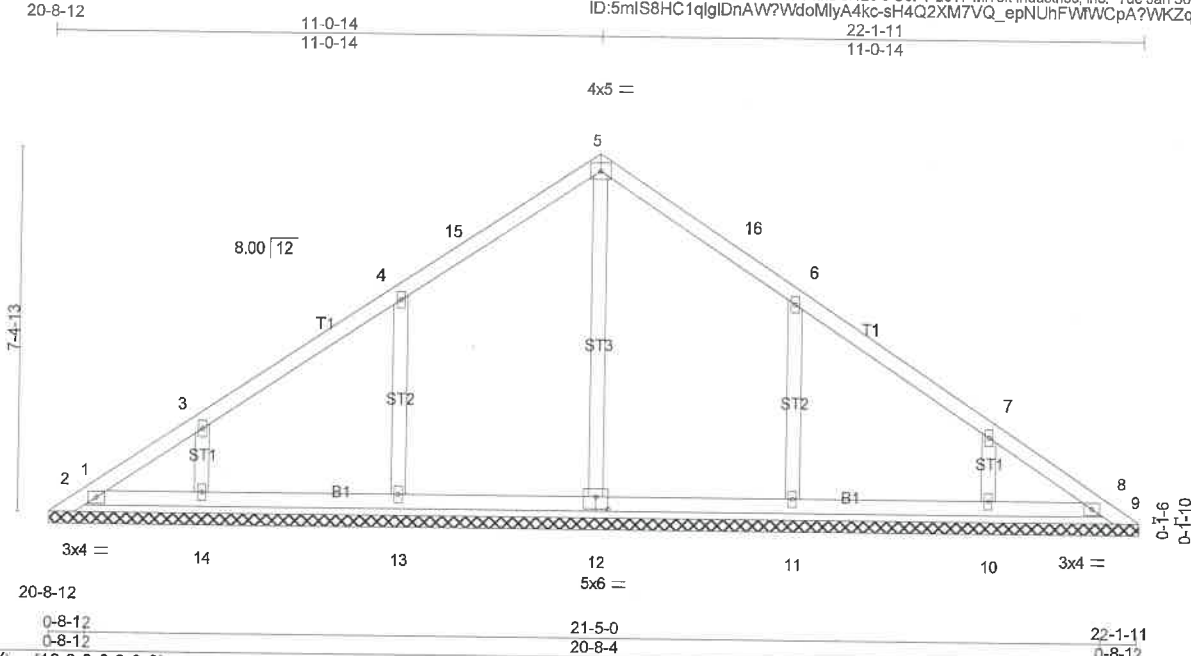
- NOTES-**
- 1) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.3 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) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=111.
 - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss P&B1	Truss Type GABLE	Qty 3	Ply 1	HBJD - Function
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Carter Components, Millbury, Ohio 43447

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Scale = 1:45.1

Plate Offsets (X,Y)--	(12,0-3-0,0-3-0)			
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES GRIP
TCLL (roof) 25.0	2-0-0	TC 0.20	in (loc) l/defl L/d	MT20 197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.10	Vert(LL) n/a - n/a 999	
TCDL 10.0	Lumber DOL 1.15	WB 0.17	Vert(TL) n/a - n/a 999	
BCLL 0.0	Rep Stress Incr YES	Matrix-S	Horz(TL) 0.00 8 n/a n/a	
BCDL 10.0	Code IRC2009/TPI2007			Weight: 74 lb FT = 18%

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

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

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

REACTIONS. All bearings 22-2-7.
 (lb) - Max Horz 1=-226(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 9, 2 except 1=-127(LC 8), 13=-162(LC 10), 14=-123(LC 10), 11=-162(LC 11), 10=-123(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 1, 9, 2, 8 except 12=282(LC 1), 13=395(LC 15), 14=306(LC 1), 11=395(LC 16), 10=306(LC 1)

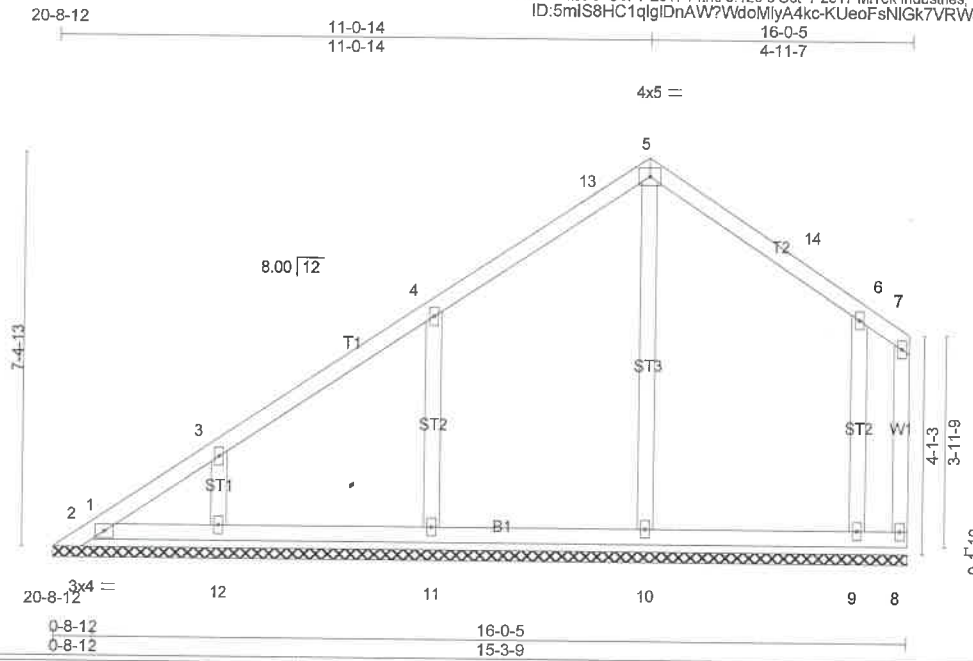
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-262/266
 WEBS 4-13=-313/212, 6-11=-313/212

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - TCLL: ASCE 7-05; Pr=25.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 2 except (jt=ib) 1=127, 13=162, 14=123, 11=162, 10=123.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job 17120040	Truss PB1A	Truss Type GABLE	Qty 7	Ply 1	HBJD - Function
Carter Components, Millbury, Ohio 43447					Job Reference (optional)

Run: 8:120 s Oct 7 2017 Print: 8:120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:31 2018 Page 1
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Scale = 1:41.6

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.22	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.09	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.22	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-S	Horz(TL) 0.00 8 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 62 lb	FT = 18%

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

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

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

REACTIONS. All bearings 16-0-11.
(lb) - Max Horz 1=287(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10 except 1=-120(LC 8), 8=-115(LC 4), 11=-162(LC 10), 12=-124(LC 10), 9=-164(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 1, 8, 2 except 10=336(LC 1), 11=394(LC 15), 12=307(LC 1), 9=373(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-331/249, 2-3=-277/201
WEBS 5-10=-254/80, 4-11=-312/211, 6-9=-300/202

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Bearing at joint(s) 1, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10 except (jt=lb) 1=120, 8=115, 11=162, 12=124, 9=164.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job 17120040	Truss PB1G	Truss Type GABLE	Qty 1	Ply 1	HBJD - Funchien
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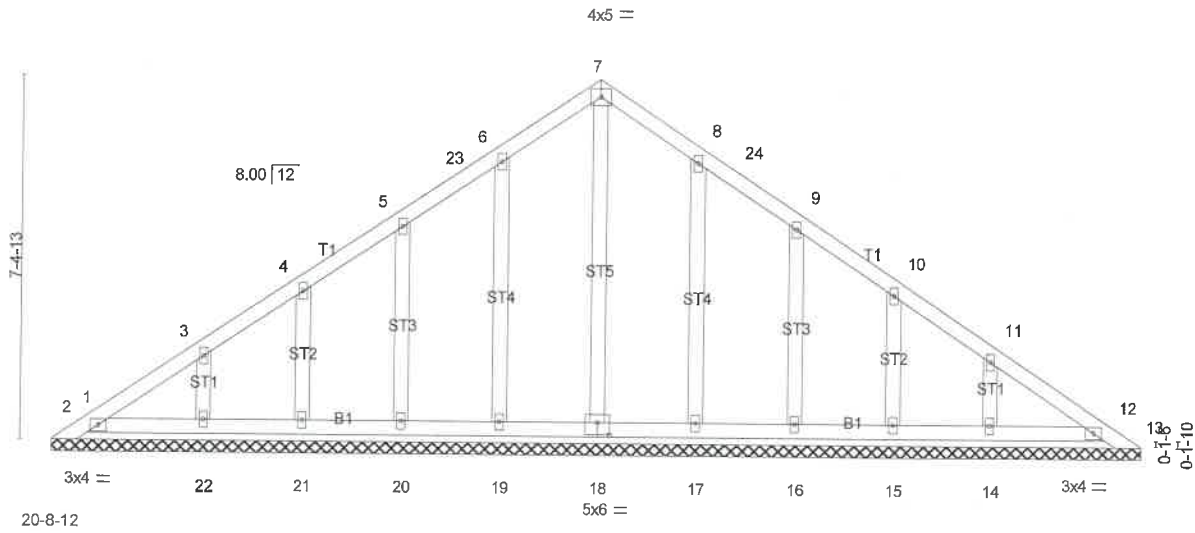
Carter Components, Millbury, Ohio 43447

Job Reference (optional)

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Scale = 1:45.1



20-8-12	0-8-12	21-5-0	22-1-11
0-8-12	0-8-12	20-8-4	0-8-12

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.06	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.03	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.12	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-S	Horz(TL) 0.00 12 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 92 lb	FT = 18%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SPF No.2	

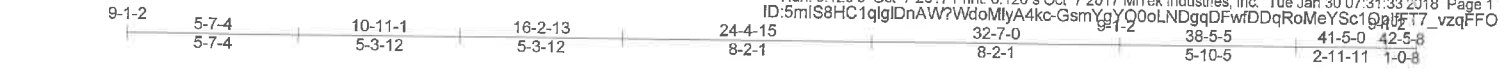
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 22-2-7.
 (lb) - Max Horz 1=-226(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 13, 2, 19, 20, 21, 22, 17, 16, 15, 14 except 1=-136(LC 8)
 Max Grav All reactions 250 lb or less at joint(s) 1, 13, 2, 18, 19, 20, 21, 22, 17, 16, 15, 14, 12

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-266/270

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 2, 19, 20, 21, 22, 17, 16, 15, 14 except (jt=lb) 1=136.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



Scale = 1:72.8

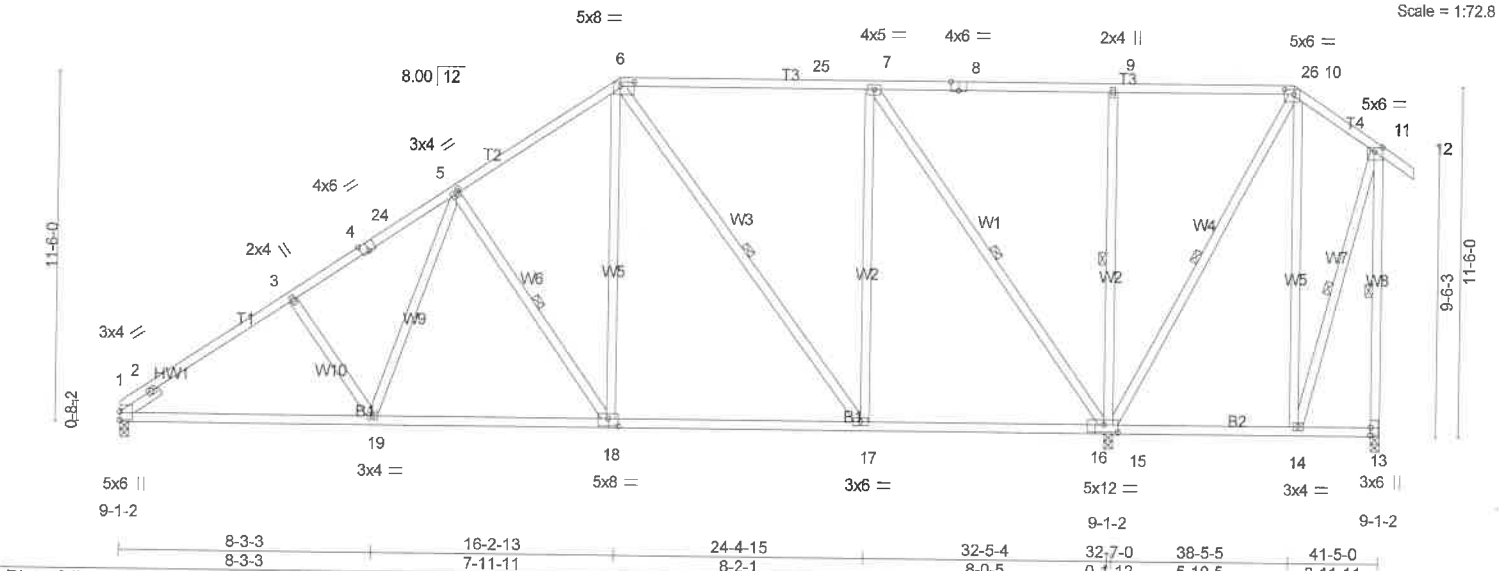


Plate Offsets (X, Y) -- [4:0-3-0, Edge], [5:0-1-12, 0-1-8], [6:0-5-8, 0-1-12], [8:0-3-0, Edge], [10:0-3-12, 0-2-0], [11:0-3-4, 0-1-12], [13:0-3-0, 0-0-0], [15:0-1-12, 0-0-0], [15:0-5-8, 0-3-0], [16:0-0-0, 0-1-12], [18:0-4-0, 0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.85	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.67	Vert(LL) -0.10 18-19 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 1.00	Vert(TL) -0.27 17-18 >999 180		
BCLL 0.0	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.07 15 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007				
				Weight: 246 lb	FT = 18%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* T3: 2x4 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 3-5-13 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-10.
BOT CHORD 2x4 SPF No.2 *Except* B2: 2x4 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.2 *Except* W1: 2x4 SPF 1650F 1.5E	WEBS 1 Row at midpt 5-18, 6-17, 7-15, 9-15, 10-15, 11-13, 11-14
SLIDER Left 2x4 SPF No.2 1-6-0	

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

REACTIONS. (lb/size) 1=1315/0-3-8 (min. 0-2-2), 15=2526/0-3-8 (min. 0-2-7), 13=-44/0-3-8 (min. 0-1-8)
 Max Horz 1=482(LC 9)
 Max Uplift 1=-187(LC 10), 15=-622(LC 9), 13=-195(LC 21)
 Max Grav 1=1353(LC 20), 15=2911(LC 19), 13=186(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-794/0, 2-3=-1973/379, 3-4=-1824/394, 4-24=-1680/395, 5-24=-1576/414, 5-6=-1184/396, 6-25=-645/319, 7-25=-645/319, 7-8=-148/396, 8-9=-148/396, 9-26=-148/396, 10-26=-148/396
BOT CHORD 1-19=-588/1577, 18-19=-453/1266, 17-18=-349/880, 16-17=-272/645, 15-16=-272/645
WEBS 3-19=-311/209, 5-19=-88/414, 5-18=-784/284, 6-18=-139/821, 6-17=-770/190, 7-17=-517/86, 7-15=-1721/412, 9-15=-776/272, 10-15=-676/180, 10-14=-172/334, 11-14=-259/172

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp C; Partially Exp.; Ct=1.1, Lu=50-0-0; Min. flat roof snow load governs.
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=187, 15=622, 13=195.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job 17120040	Truss T1A	Truss Type Piggyback Base	Qty 7	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

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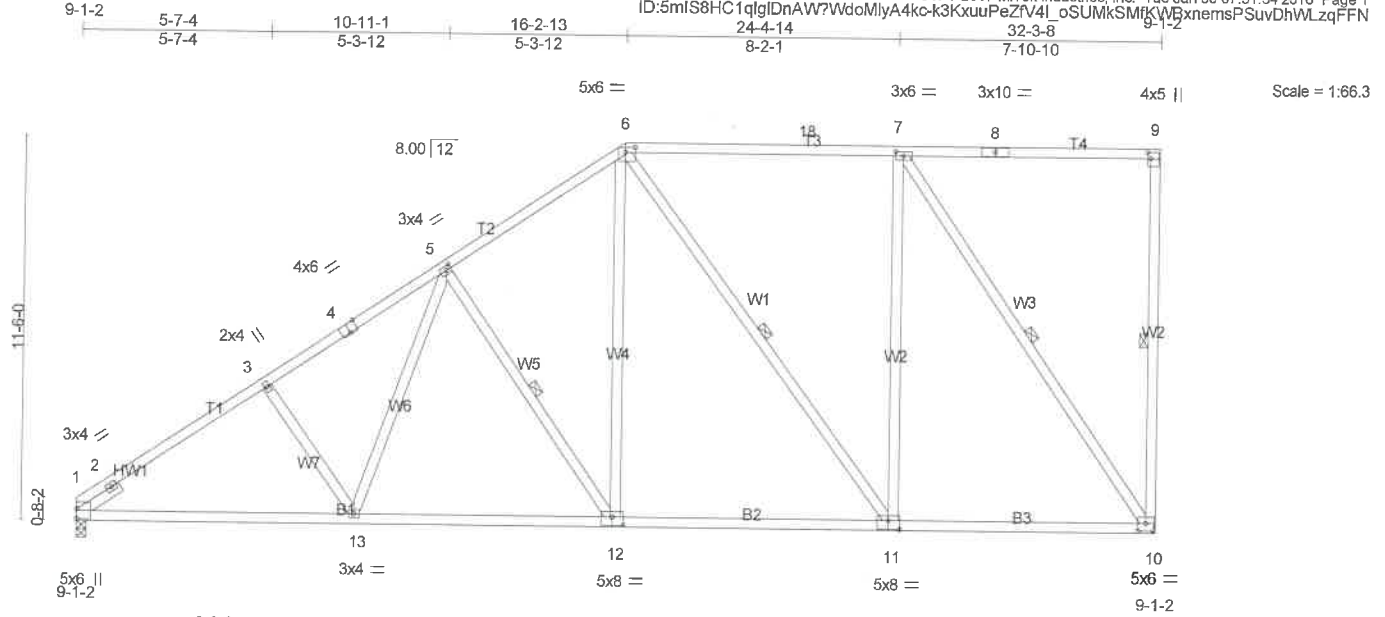


Plate Offsets (X,Y)--	[4:0-3-0,Edge], [5:0-1-12,0-1-8], [6:0-3-8,0-1-12], [7:0-2-12,0-1-8], [9:0-2-4,0-1-0], [10:0-2-12,0-2-12], [11:0-4-0,0-3-4], [12:0-4-0,0-3-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.92	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.74	Vert(LL) -0.12 12-13 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.91	Vert(TL) -0.28 12-13 >999 180		
BCLL 0.0	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.08 10 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007				Weight: 171 lb FT = 18%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* T3: 2x4 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins, except end verticals, and 2-0-0 oc purlins (2-2-0 max.); 6-9.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-9-15 oc bracing.
WEBS 2x4 SPF No.2 *Except* W3: 2x4 SPF 1650F 1.5E	WEBS 1 Row at midpt 9-10, 5-12, 6-11, 7-10
SLIDER Left 2x4 SPF No.2 1-6-0	

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

REACTIONS. (lb/size) 10=1447/Mechanical, 1=1447/0-3-8 (min. 0-2-5)
Max Horz 1=447(LC 9)
Max Uplift 10=-289(LC 9), 1=-194(LC 10)
Max Grav 10=1712(LC 14), 1=1488(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-846/0, 2-3=-2197/407, 3-4=-2049/422, 4-5=-1904/441, 5-6=-1415/423, 6-18=-931/356,
7-18=-931/356, 9-10=-319/131
BOT CHORD 1-13=-738/1759, 12-13=-604/1459, 11-12=-459/1057, 10-11=-342/927
WEBS 3-13=-299/208, 5-13=-88/401, 5-12=-780/284, 6-12=-137/815, 6-11=-590/201,
7-11=-38/655, 7-10=-1610/418

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf, BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1, Lu=50-0-0; Min. flat roof snow load governs.
 - 4) Unbalanced snow loads have been considered for this design.
 - 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) 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) except (it=lb) 10=289, 1=194.
 - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job 17120040	Truss T1G	Truss Type GABLE	Qty 1	Ply 1	HBJD - Function
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Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:36 2018 Page 1
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Job Reference (optional)

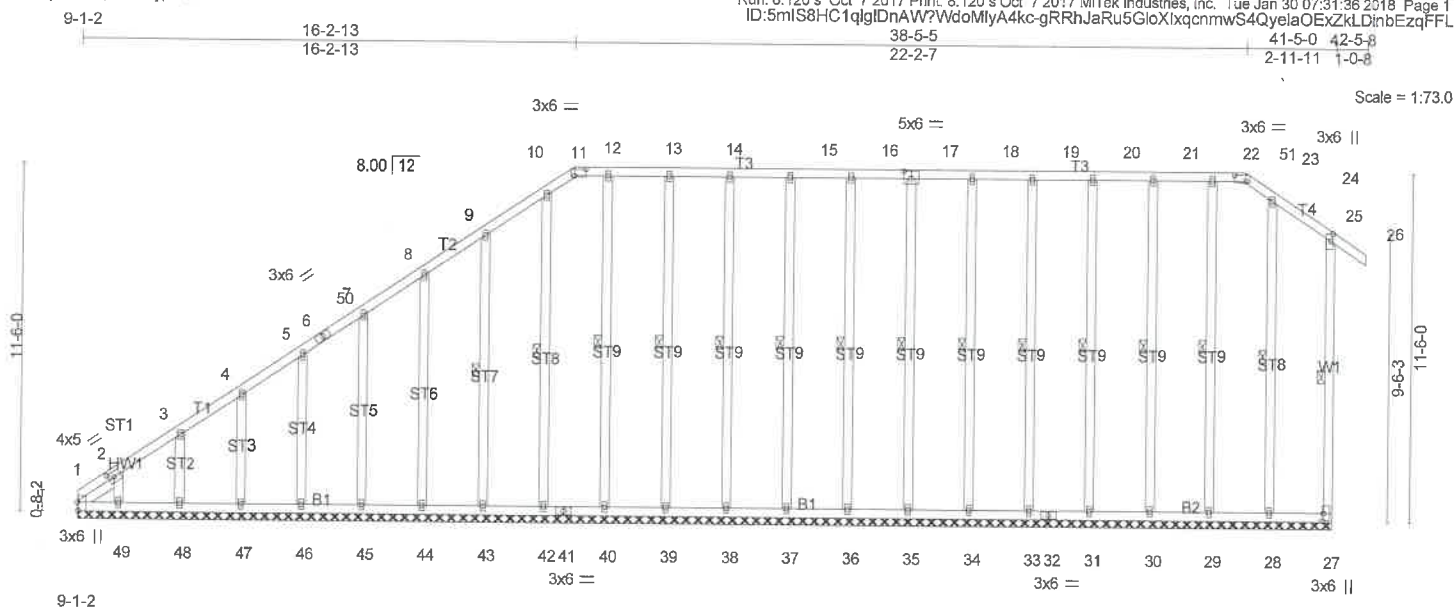


Plate Offsets (X,Y) -- [1:0-3-8,Edge], [2:0-2-2,0-2-0], [11:0-4-8,0-2-8], [17:0-3-0,0-3-0], [23:0-4-8,0-2-8], [25:0-3-0,0-1-0], [27:0-3-0,0-0-8]
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LOADING (psf)	SPACING-	CSI.	DEFLL	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.48	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.21	Vert(LL) -0.01 25-26 n/r 90		
TCDL 10.0	Lumber DOL 1.15	WB 0.23	Vert(TL) -0.01 25-26 n/r 120		
BCLL 0.0	Rep Stress Incr YES	Matrix-S	Horz(TL) 0.01 27 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007		Wind(LL) 0.03 25-26 n/r 120		
				Weight: 313 lb	FT = 18%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 11-23.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.2	WEBS 1 Row at midpt
OTHERS 2x4 SPF No.2	
SLIDER Left 2x4 SPF No.2 1-5-7	

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

REACTIONS. All bearings 41-5-0.
(lb) - Max Horz 1=492(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 48, 47, 46, 45, 44, 43, 42, 40, 39, 38, 37, 36, 35, 34, 33, 31, 30, 29 except 1=200(LC 8), 27=-219(LC 11), 49=-145(LC 10)
Max Grav All reactions 250 lb or less at joint(s) 49, 48, 47, 45, 42, 40, 29, 28 except 1=357(LC 9), 27=266(LC 20), 46=256(LC 20), 44=250(LC 20), 43=255(LC 20), 39=253(LC 19), 38=250(LC 19), 37=251(LC 19), 36=251(LC 19), 35=251(LC 19), 34=251(LC 19), 33=251(LC 19), 31=250(LC 19), 30=253(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-530/318, 2-3=-423/275, 3-4=-378/269, 4-5=-334/263, 5-6=-289/246, 6-50=-282/251, 7-50=-277/258, 7-8=-244/252, 9-10=-159/260, 10-11=-91/254, 11-12=-88/254, 12-13=-88/254, 13-14=-88/254, 14-15=-88/254, 15-16=-88/254, 16-17=-88/254, 17-18=-88/254, 18-19=-88/254, 19-20=-88/254, 20-21=-88/254, 21-22=-88/254, 22-51=-88/254, 23-51=-88/254, 24-25=-136/312, 25-27=-251/297

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1, Lu=50-0-0; Min. flat roof snow load governs.
 - 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 19.3 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) Gable studs spaced at 2-0-0 oc.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	HBJD - Function
17120040	T1G	GABLE	1	1	Job Reference (optional)

Carter Components, Millbury, Ohio 43447

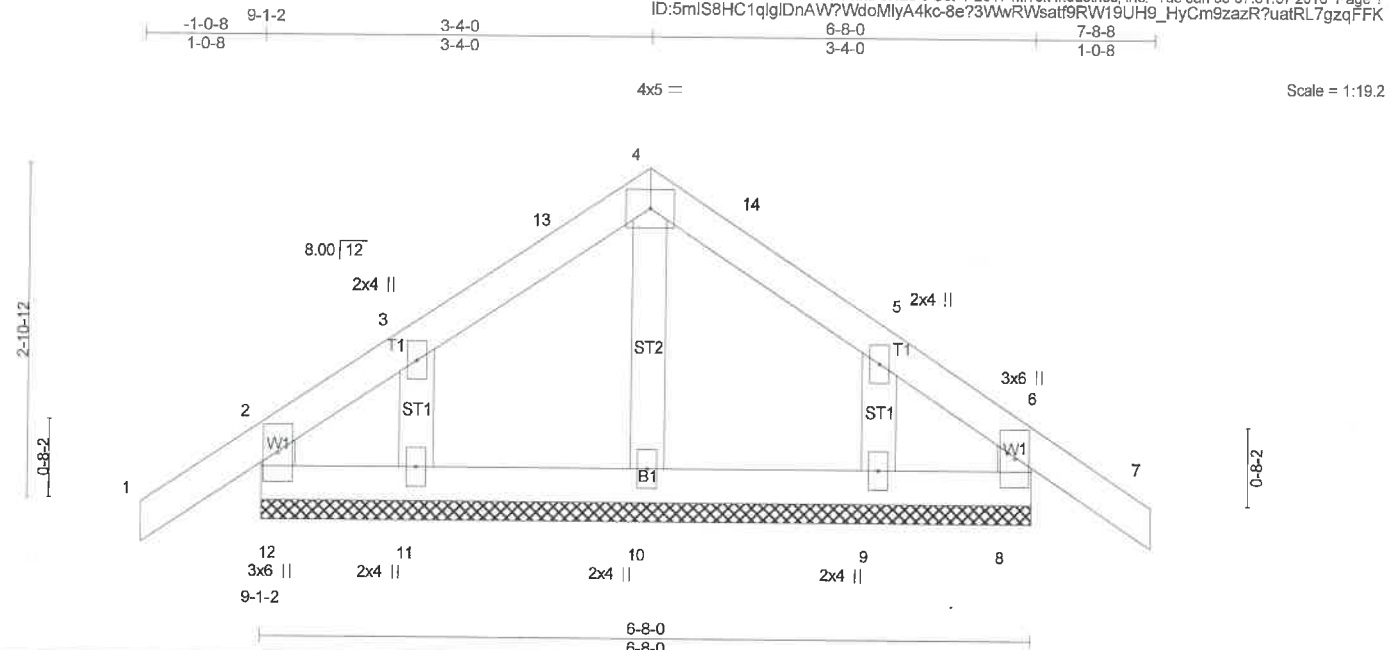
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- NOTES-**
- 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 48, 47, 46, 45, 44, 43, 42, 40, 39, 38, 37, 36, 35, 34, 33, 31, 30, 29 except (jt=lb) 1=200, 27=219, 49=145.
 - 13) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job 17120040	Truss T2G	Truss Type Common Supported Gable	Qty 1	Ply 1	HBJD - Funchien
Carter Components, Millbury, Ohio 43447					Job Reference (optional)

Run: 8 120 s Oct 7 2017 Print: 8 120 s Oct 7 2017 MiTek industries, Inc. Tue Jan 30 07:31:37 2018 Page 1
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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.13	Vert(LL)	-0.01	7	n/r	90	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.03	Vert(TL)	-0.01	7	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	8	n/a	n/a		
BCLL	0.0	Code IRC2009/TPI2007		Matrix-R		Wind(LL)	0.01	7	n/r	120		
BCDL	10.0										Weight: 25 lb	FT = 18%

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 6-8-0 oc purlins, except end verticals.
BOT CHORD	2x4 SPF No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SPF No.2		
OTHERS	2x4 SPF No.2		

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

REACTIONS. All bearings 6-8-0.
 (lb) - Max Horz 12--91 (LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 12, 8, 11, 9
 Max Grav All reactions 250 lb or less at joint(s) 12, 8, 10, 11, 9

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

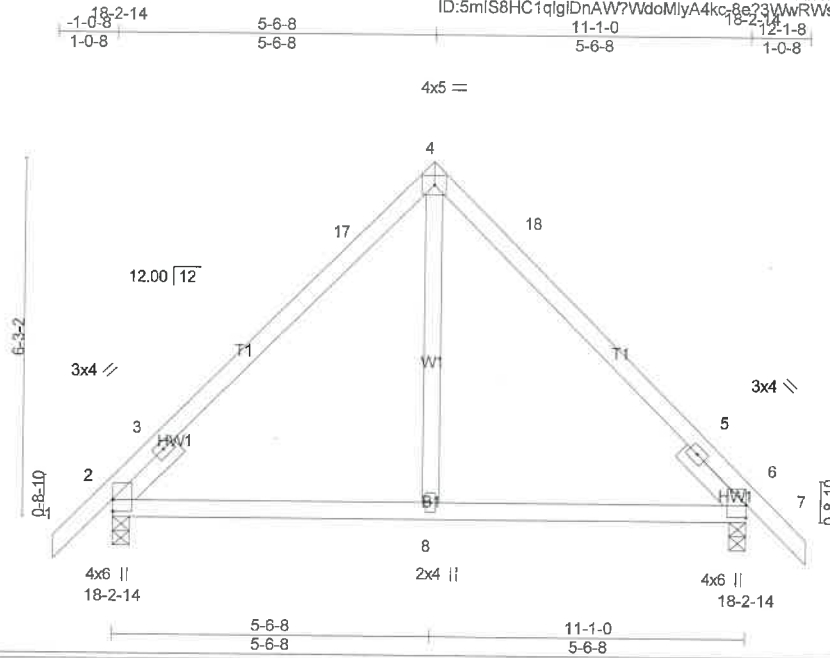
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - TCLL: ASCE 7-05; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp C; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 8, 11, 9.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss T3	Truss Type COMMON	Qty 1	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:37 2018 Page 1
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Scale = 1:38.8

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.34	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.29	Vert(LL) 0.06 8-11 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.06	Vert(TL) -0.07 8-11 >999 180		
BCLL 0.0	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.02 6 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 44 lb	FT = 18%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF No.2
 SLIDER Left 2x4 SPF No.2 1-6-0, Right 2x4 SPF No.2 1-6-0

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=572/0-3-8 (min. 0-1-8), 6=572/0-3-8 (min. 0-1-8)
 Max Horz 2=-179(LC 8)
 Max Uplift 2=-111(LC 10), 6=-111(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-307/48, 3-17=-481/121, 4-17=-309/143, 4-18=-309/143, 5-18=-481/121, 5-6=-308/48
 BOT CHORD 2-8=-7/263, 6-8=-7/263
 WEBS 4-8=-18/251

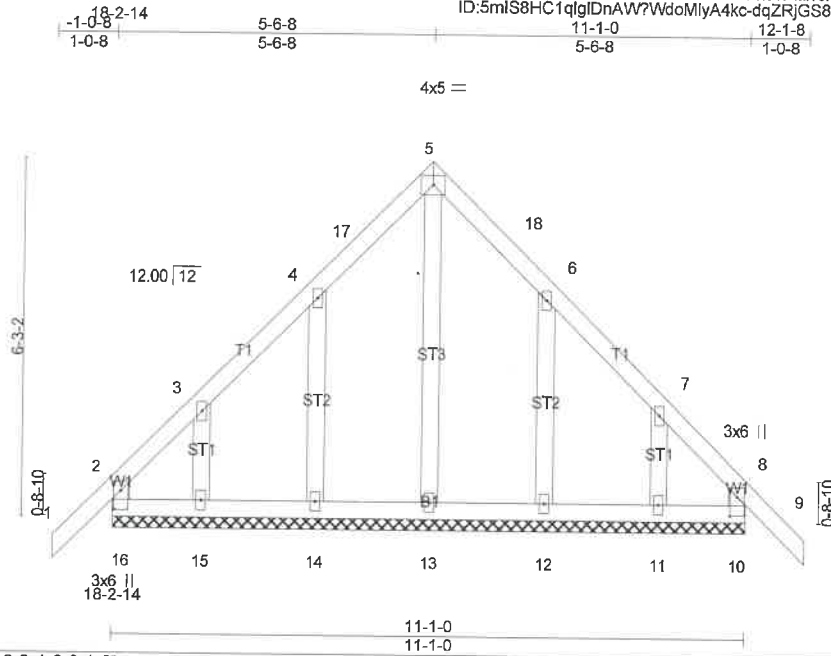
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp C; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=111, 6=111.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss T3G	Truss Type Common Supported Gable	Qty 1	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

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Scale = 1:38.8

Plate Offsets (X,Y)-- [8:0-4-0,0-1-8], [16:0-4-0,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.14	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.06	Vert(LL) -0.01 9 n/r 90		
TCDL 10.0	Lumber DOL 1.15	WB 0.10	Vert(TL) -0.01 9 n/r 120		
BCLL 0.0	Rep Stress Incr YES	Matrix-R	Horz(TL) 0.00 10 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007		Wind(LL) 0.01 9 n/r 120	Weight: 54 lb	FT = 18%

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

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

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

REACTIONS. All bearings 11-1-0.
 (lb) - Max Horz 16=-198(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 10 except 16=-103(LC 8), 14=-120(LC 10), 15=-127(LC 10), 12=-121(LC 11), 11=-121(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 16, 10, 13, 14, 15, 12, 11

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

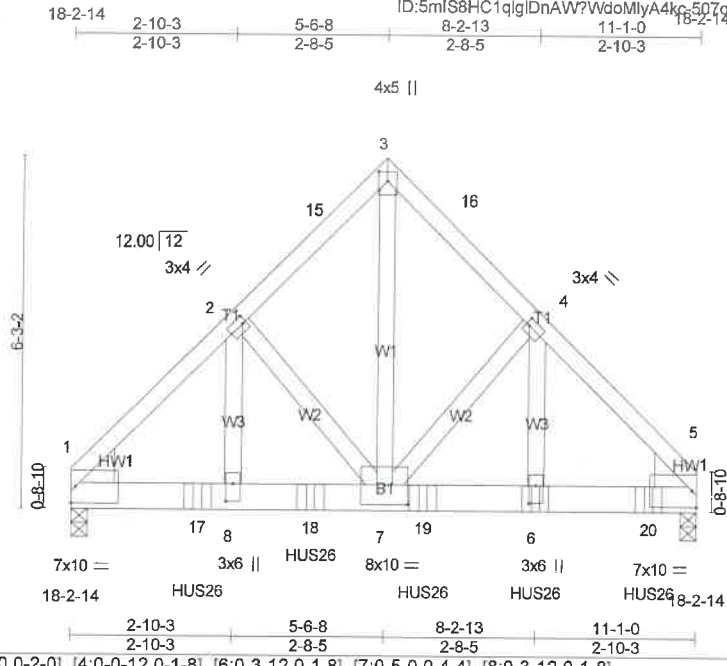
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (it=lb) 16=103, 14=120, 15=127, 12=121, 11=121.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss T3GT	Truss Type COMMON GIRDER	Qty 1	Ply 2	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

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Scale = 1:39.3

Plate Offsets (X, Y)--	[2:0-0-12,0-1-8], [3:0-2-0,0-2-0], [4:0-0-12,0-1-8], [6:0-3-12,0-1-8], [7:0-5-0,0-4-4], [8:0-3-12,0-1-8]
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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	-0.03	7-8	>999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.25	Vert(TL)	-0.08	7-8	>999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.54	Horz(TL)	0.01	5	n/a		
BCLL	0.0	Code IRC2009/TPI2007		Matrix-MS							
BCDL	10.0									Weight: 139 lb	FT = 18%

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 5-9-13 oc purlins.
BOT CHORD	2x6 SP 2400F 2.0E	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SPF No.2		
WEDGE			
Left:	2x8 SP 2400F 2.0E, Right: 2x8 SP 2400F 2.0E		

REACTIONS. (lb/size) 1=3838/0-3-8 (min. 0-1-9), 5=4785/0-3-8 (min. 0-2-0)
Max Horz 1=174(LC 7)
Max Uplift 1=-585(LC 9), 5=-732(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4452/711, 2-15=-3302/588, 3-15=-3196/600, 3-16=-3199/600, 4-16=-3306/588, 4-5=-4625/737
BOT CHORD 1-17=-507/3069, 8-17=-507/3069, 8-18=-507/3069, 7-18=-507/3069, 7-19=-468/3203, 6-19=-468/3203, 6-20=-468/3203, 5-20=-468/3203
WEBS 3-7=-757/4368, 4-7=-1366/329, 4-6=-270/1811, 2-7=-1162/296, 2-8=-227/1550

- NOTES-**
- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 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 7-05; 90mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 5) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 6) Unbalanced snow loads have been considered for this design.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=585, 5=732.
 - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - 10) Use USP HUS26 (With 16d nails into Girder & 16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-2-12 from the left end to 10-2-12 to connect truss(es) T5A (1 ply 2x4 SPF) to front face of bottom chord.
 - 11) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

Continued on page 2

Job 17120040	Truss T3GT	Truss Type COMMON GIRDER	Qty 1	Ply 2	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-70, 3-5=-70, 9-12=-20

Concentrated Loads (lb)

Vert: 6=-1525(F) 17=-1525(F) 18=-1525(F) 19=-1525(F) 20=-1526(F)

Job	Truss	Truss Type	Qty	Ply	HBJD - Function
17120040	T4G	Common Supported Gable	1	1	

Carter Components, Millbury, Ohio 43447

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4x5 =

Scale = 1:44.7

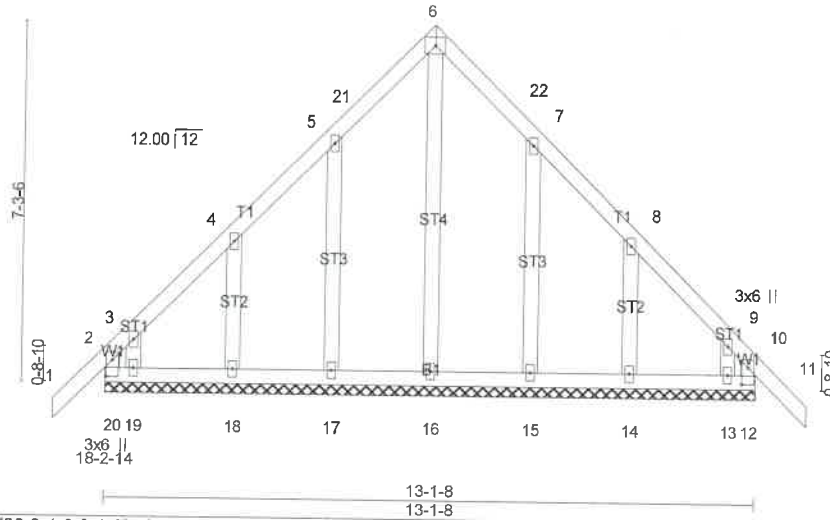


Plate Offsets (X,Y) -- [10:0-4-0,0-1-8], [20:0-4-0,0-1-8]

LOADING (psf)		SPACING-		CSI		DEFL.				PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	2-0-0	TC	0.14	in	(loc)	l/defl	L/d	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.08	Vert(LL)	-0.01	11	n/r		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Vert(TL)	-0.01	11	n/r		
BCLL	0.0	Code IRC2009/TPI2007		Matrix-R		Horz(TL)	0.00	12	n/a		
BCDL	10.0					Wind(LL)	0.01	11	n/r		
										Weight: 67 lb	FT = 18%

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

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

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

REACTIONS. All bearings 13-1-8.
 (lb) - Max Horz 20=230(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) except 20=233(LC 8), 12=163(LC 9), 17=120(LC 10), 18=121(LC 10), 19=233(LC 9), 15=119(LC 11), 14=122(LC 11), 13=193(LC 8)
 Max Grav All reactions 250 lb or less at joint(s) 16, 17, 18, 19, 15, 14, 13 except 20=323(LC 9), 12=253(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=259/178

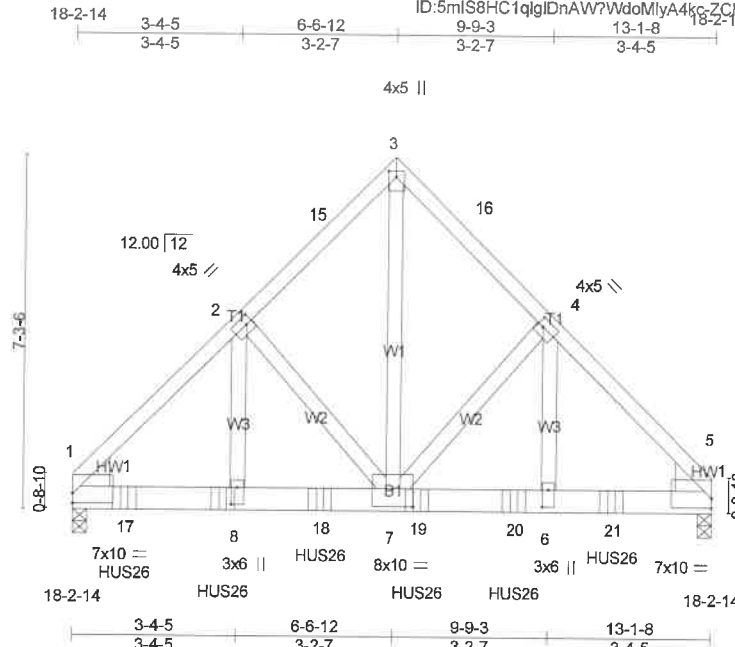
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp C; Partially Exp.; Ct=1.1
 - 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 19.3 psf on overhangs non-concurrent with other live loads.
 - 7) All plates are 2x4 MT20 unless otherwise indicated.
 - 8) Gable requires continuous bottom chord bearing.
 - 9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 10) Gable studs spaced at 2-0-0 oc.
 - 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 20, 120 lb uplift at joint 12, 120 lb uplift at joint 17, 121 lb uplift at joint 18, 233 lb uplift at joint 19, 119 lb uplift at joint 15, 122 lb uplift at joint 14 and 193 lb uplift at joint 13.
 - 13) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss T4GT	Truss Type COMMON GIRDER	Qty 1	Ply 2	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

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Scale = 1:45.6

Plate Offsets (X,Y)--	[1:0-0-0,0-2-5], [2:0-1-8,0-2-0], [3:0-1-8,0-2-0], [4:0-1-8,0-2-0], [5:0-0-0,0-2-5], [6:0-4-4,0-1-8], [7:0-5-0,0-4-8], [8:0-4-4,0-1-8]
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LOADING (psf)		SPACING-	2-0-0	CSL		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.05	7-8	>999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.30	Vert(TL)	-0.11	7-8	>999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.66	Horz(TL)	0.02	5	n/a		
BCLL	0.0	Code IRC2009/TPI2007		Matrix-MS							
BCDL	10.0									Weight: 163 lb	FT = 18%

LUMBER-		BRACING-	
TOP CHORD	2x4 SPF No.2	TOP CHORD	Structural wood sheathing directly applied or 5-2-0 oc purlins.
BOT CHORD	2x6 SP 2400F 2.0E	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SPF No.2		
WEDGE			
Left:	2x8 SP 2400F 2.0E, Right: 2x8 SP 2400F 2.0E		

REACTIONS. (lb/size) 1=5479/0-3-8 (min. 0-2-4), 5=4851/0-3-8 (min. 0-2-0)
Max Horz 1=-206(LC 6)
Max Uplift 1=-838(LC 9), 5=-740(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5688/905, 2-15=-4038/715, 3-15=-3956/729, 3-16=-3955/729, 4-16=-4037/715, 4-5=-5565/885
BOT CHORD 1-17=-646/3945, 8-17=-646/3945, 8-18=-646/3945, 7-18=-646/3945, 7-19=-564/3854, 19-20=-564/3854, 6-20=-564/3854, 6-21=-564/3854, 5-21=-564/3854
WEBS 3-7=-924/5363, 4-7=-1568/381, 4-6=-303/2064, 2-7=-1706/402, 2-8=-329/2248

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 838 lb uplift at joint 1 and 740 lb uplift at joint 5.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Use USP HUS26 (With 16d nails into Girder & 16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-0-12 from the left end to 11-0-12 to connect truss(es) T5A (1 ply 2x4 SPF) to front face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	HBJD - Function
17120040	T4GT	COMMON GIRDER	1	2	Job Reference (optional)

Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:40 2018 Page 2
 ID:5mlS8HC1qglDnAW?WdoMlyA4kc-ZChC8xUP9VFE0vFcrdrscwai6MxwAetKGrg?k?zqFFH

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-70, 3-5=-70, 9-12=-20

Concentrated Loads (lb)

Vert: 8=-1525(F) 17=-1525(F) 18=-1525(F) 19=-1525(F) 20=-1525(F) 21=-1525(F)

Job 17120040	Truss T5	Truss Type Common	Qty 3	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447
 Run: 8:120 s Oct 7 2017 Print: 8:120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:41 2018 Page 1
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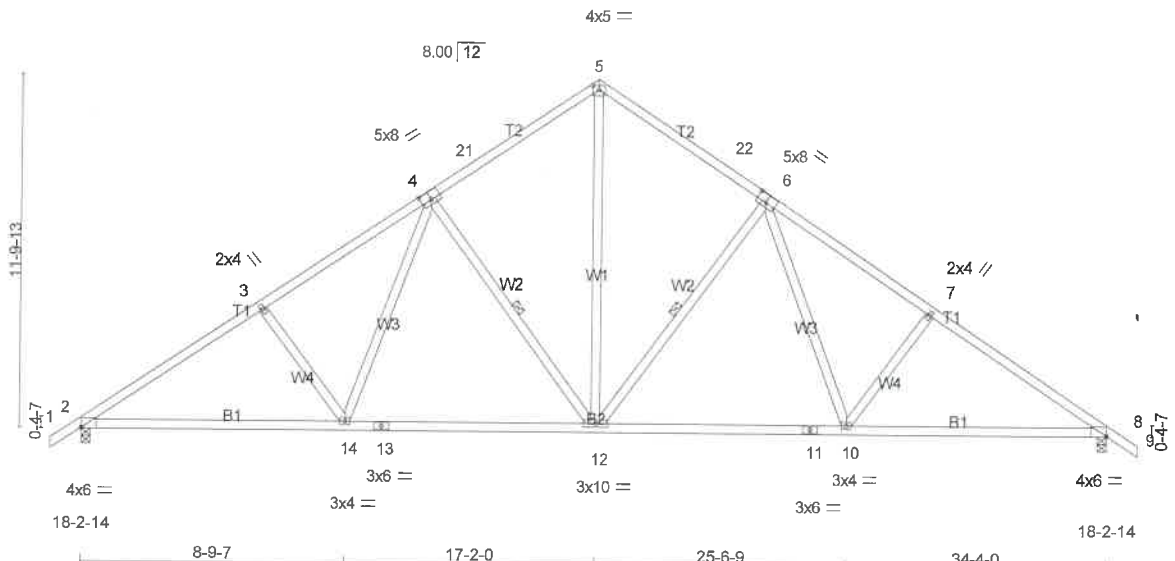


Plate Offsets (X, Y)--	[2:0-0-0,0-0-4], [4:0-4-0,0-3-4], [5:0-2-8,0-1-12], [6:0-4-0,0-3-4], [8:0-0-0,0-0-4]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.51	in (loc) l/def L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.63	Vert(LL) -0.11 12-14 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.76	Vert(TL) -0.33 12-14 >999 180		
BCLL 0.0	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.11 8 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007				Weight: 152 lb FT = 18%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-6-14 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2	WEBS 1 Row at midpt 6-12, 4-12

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

REACTIONS. (lb/size) 2=1618/0-3-8 (min. 0-2-9), 8=1618/0-3-8 (min. 0-2-9)
 Max Horz 2=362(LC 9)
 Max Uplift 2=-274(LC 10), 8=-274(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2321/434, 3-4=-2095/464, 4-21=-1496/403, 5-21=-1377/436, 5-22=-1377/437,
 6-22=-1496/403, 6-7=-2095/464, 7-8=-2321/434
BOT CHORD 2-14=-321/1840, 13-14=-167/1510, 12-13=-167/1510, 11-12=-99/1510, 10-11=-99/1510,
 8-10=-240/1840
WEBS 5-12=-324/1164, 6-12=-626/291, 6-10=-80/447, 7-10=-315/218, 4-12=-626/291,
 4-14=-79/447, 3-14=-315/218

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 274 lb uplift at joint 2 and 274 lb uplift at joint 8.
 - 8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss T5A	Truss Type Common	Qty 11	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:42 2018 Page 1
ID:5mlS8HC1qglDnAW?WdoMlyA4kc-VbpyZdvfh6Vx FDP_y2tkhLgzZAYBeWncj996ouzqFFF



Scale = 1:7.5

Plate Offsets (X, Y)--	[2:0-0-0,0-0-4], [4:0-4-0,0-3-4], [5:0-2-8,0-1-12], [6:0-4-0,0-3-4], [8:0-0-0,0-0-4]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.51	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.64	Vert(LL) -0.11 11-13 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.76	Vert(TL) -0.33 11-13 >999 180		
BCLL 0.0	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.11 8 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007				
				Weight: 151 lb	FT = 18%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-6-13 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.2	WEBS 1 Row at midpt 6-11, 4-11

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

REACTIONS. (lb/size) 2=1618/0-3-8 (min. 0-2-9), 8=1545/Mechanical
Max Horz 2=373(LC 9)
Max Uplift 2=-274(LC 10), 8=-226(LC 11)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2321/435, 3-4=-2096/464, 4-20=-1497/403, 5-20=-1377/437, 5-21=-1377/437, 6-21=-1497/403, 6-7=-2098/465, 7-8=-2323/435
BOT CHORD 2-13=-337/1841, 12-13=-183/1511, 11-12=-183/1511, 10-11=-123/1511, 9-10=-123/1511, 8-9=-264/1843
WEBS 5-11=-325/1165, 6-11=-627/292, 6-9=-81/449, 7-9=-316/219, 4-11=-626/291, 4-13=-79/447, 3-13=-315/217

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 274 lb uplift at joint 2 and 226 lb uplift at joint 8.
 - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss T5AG	Truss Type GABLE	Qty 1	Ply 1	HBUD - Function Job Reference (optional)
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Carter Components, Milbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:43 2018 Page 1
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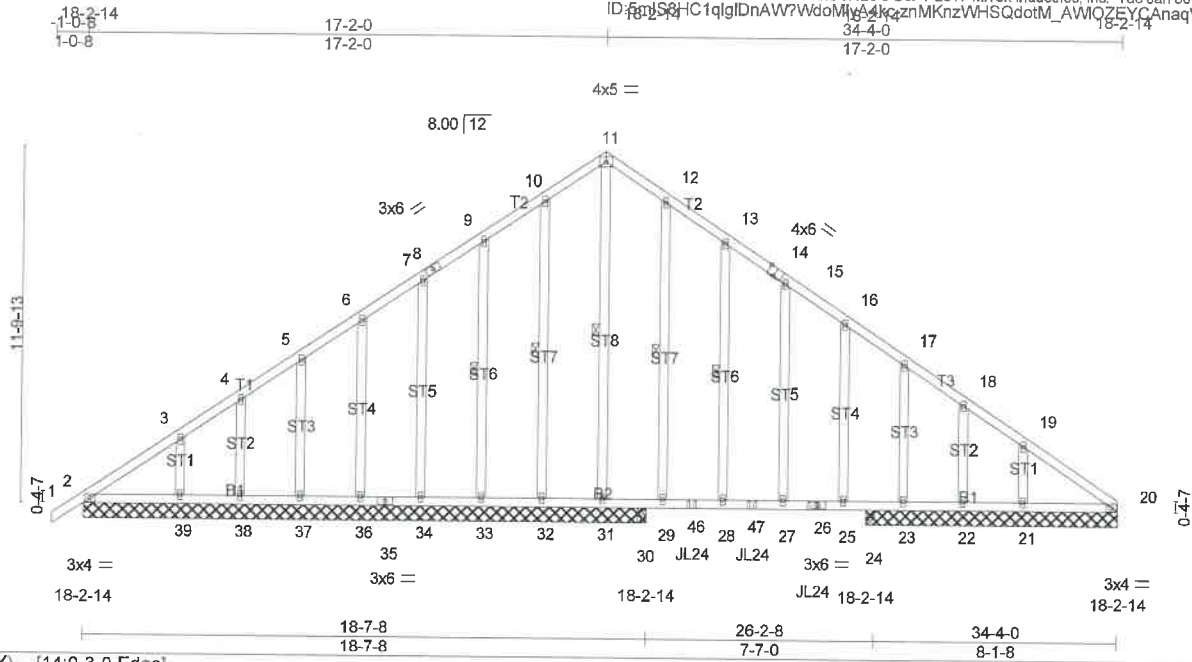


Plate Offsets (X,Y)-- [14:0-3-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/def	L/d	PLATES	GRIP
TCLL (roof) 25.0	Plate Grip DOL 1.15	TC 0.42	Vert(LL)	0.15	27-28	>616	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Lumber DOL 1.15	BC 0.82	Vert(TL)	-0.23	27-28	>396		
TCDL 10.0	Rep Stress Incr NO	WB 0.20	Horz(TL)	0.01	20	n/a		
BCLL 0.0	Code IRC2009/TPI2007	Matrix-MS						
BCDL 10.0								
							Weight: 196 lb	FT = 18%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 11-31, 10-32, 9-33, 12-29, 13-28

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

REACTIONS. All bearings 18-7-8 except (jt=length) 23=8-5-0, 22=8-5-0, 21=8-5-0, 20=8-5-0, 30=0-3-8, 24=0-3-8, 20=8-5-0.
 (lb) - Max Horz 2=373(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 32, 33, 34, 36, 37, 38, 22, 20 except 31=363(LC 14), 39=102(LC 8), 23=-312(LC 14), 21=-107(LC 18), 30=-438(LC 9), 24=-462(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) 2, 33, 34, 36, 37, 38, 39, 23, 22, 20, 2, 20 except 31=516(LC 9), 32=275(LC 3), 21=253(LC 14), 30=922(LC 4), 24=904(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-323/216, 3-4=-263/201, 9-10=-65/250, 10-11=-69/288, 11-12=-103/296
 WEBS 11-31=-275/0, 12-29=-399/194, 16-25=-307/184

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - TCLL: ASCE 7-05; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp C; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 19.3 psf on overhangs non-concurrent with other live loads.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 32, 33, 34, 36, 37, 38, 22, 20, 2, 20 except (jt=lb) 31=363, 39=102, 23=312, 21=107, 30=438, 24=462.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
 - Use USP JL24 (With 10d nails into Girder & NA9D nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 20-1-12 from the left end to 24-1-12 to connect truss(es) J2 (1 ply 2x4 SPF) to back face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	HBJD - Function
17120040	T5AG	GABLE	1	1	Job Reference (optional)

Carter Components, Mililbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:43 2018 Page 2
 ID:5mlS8HC1qglDnAW7WdoMlyA4ke-znMKnzWHSQdotM_AWMOZEYCAnaqVN5kmyvflKzqFFE

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-11=-70, 11-20=-70, 40-43=-20

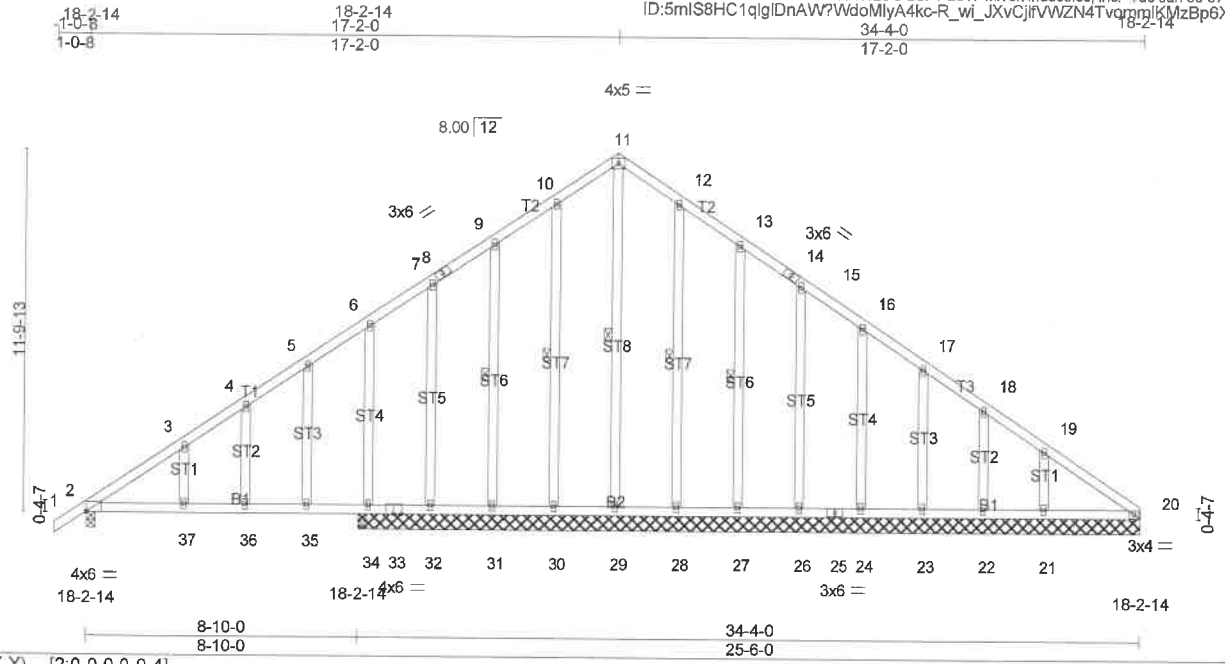
Concentrated Loads (lb)

Vert: 26=-51(B) 46=-51(B) 47=-51(B)

Job 17120040	Truss T5G	Truss Type GABLE	Qty 1	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:44 2018 Page 1
ID:5mlS8HC1qIglDnAW?WdoMlyA4kc-R_wi_JXvCjfrVWZN4TvoqgmIkMzBp6XtwBTeCtmzqFFD



Scale = 1:72.1

Plate Offsets (X,Y)-- [2.0-0-0,0-0-4]											
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL (roof)	25.0	2-0-0	Plate Grip DOL	1.15	TC	0.50	in (loc)	I/defl	L/d	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.75	Vert(LL)	0.19 36-37	>565	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.27	Vert(TL)	-0.35 36-37	>310	180		
BCLL	0.0	Code IRC2009/TPI2007		Matrix-MS		Horz(TL)	0.01 20	n/a	n/a		
BCDL	10.0										Weight: 196 lb FT = 18%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-6-5 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SPF No.2	WEBS 1 Row at midpt 11-29, 10-30, 9-31, 12-28, 13-27

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

REACTIONS. All bearings 25-6-0 except (jt=length) 2=0-3-8, 34=0-3-8, 34=0-3-8.
 (lb) - Max Horz 2=373(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 30, 28, 27, 26, 24, 23, 22, 20 except 31=-117(LC 10), 32=-220(LC 15), 21=-108(LC 11), 34=-330(LC 10)
 Max Grav All reactions 250 lb or less at joint(s) 30, 32, 28, 27, 26, 24, 23, 22, 20 except 2=514(LC 1), 29=278(LC 11), 31=276(LC 1), 21=259(LC 16), 34=819(LC 15), 34=819(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-306/186, 3-4=-258/193, 9-10=-89/256, 10-11=-94/296, 11-12=-90/296
 WEBS 11-29=-255/0, 6-34=-413/206

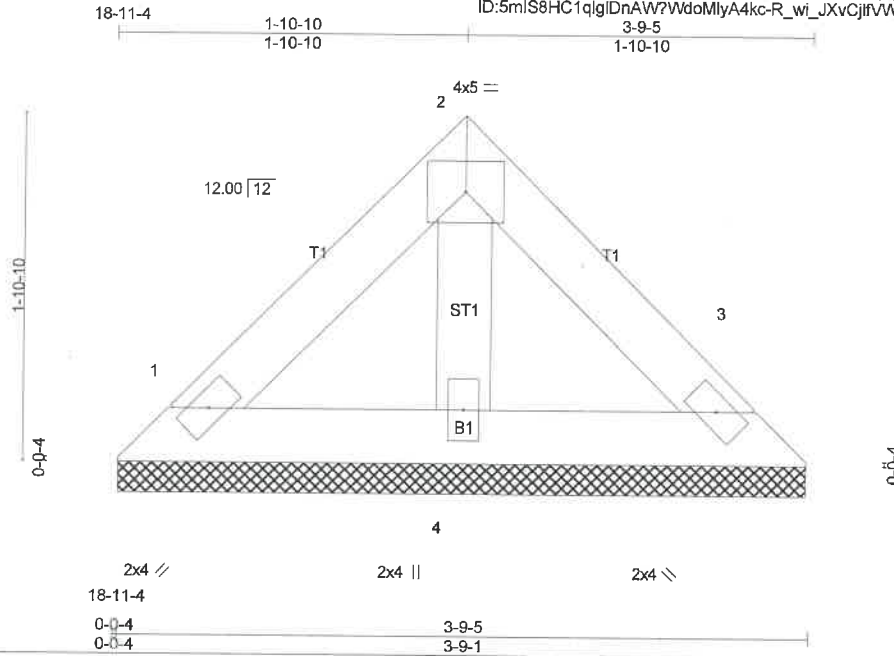
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 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 19.3 psf on overhangs non-concurrent with other live loads.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 30, 28, 27, 26, 24, 23, 22, 20, 20 except (jt=lb) 31=117, 32=220, 21=108, 34=330.
 - 11) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V1A	Truss Type Valley	Qty 1	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:44 2018 Page 1
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Scale: 1"=1'

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.04	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.02	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.01	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-P	Horz(TL) 0.00 3 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 11 lb	FT = 18%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-5 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=84/3-8-13 (min. 0-1-8), 3=84/3-8-13 (min. 0-1-8), 4=109/3-8-13 (min. 0-1-8)
Max Horz 1=-48(LC 8)
Max Uplift 1=-23(LC 11), 3=-23(LC 11)

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

NOTES-

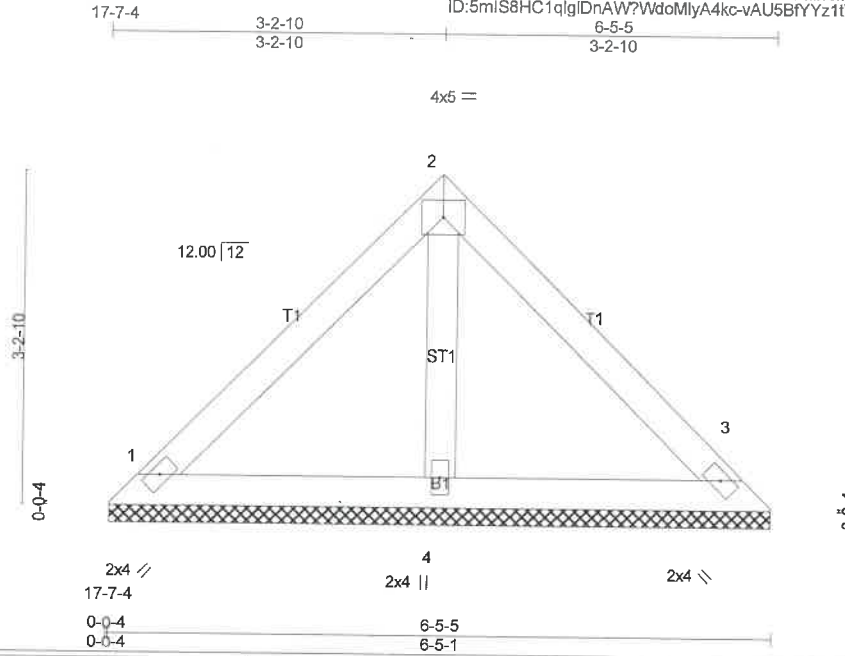
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1; Min. flat roof snow load governs.
- Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V1B	Truss Type Valley	Qty 1	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:45 2018 Page 1
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Scale = 1:21.4

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.15	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.07	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.02	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-P	Horz(TL) 0.00 3 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 20 lb	FT = 18%

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

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

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

REACTIONS. (lb/size) 1=156/6-4-13 (min. 0-1-8), 3=156/6-4-13 (min. 0-1-8), 4=204/6-4-13 (min. 0-1-8)
Max Horz 1=-90(LC 8)
Max Uplift 1=-44(LC 11), 3=-44(LC 11)

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

NOTES-

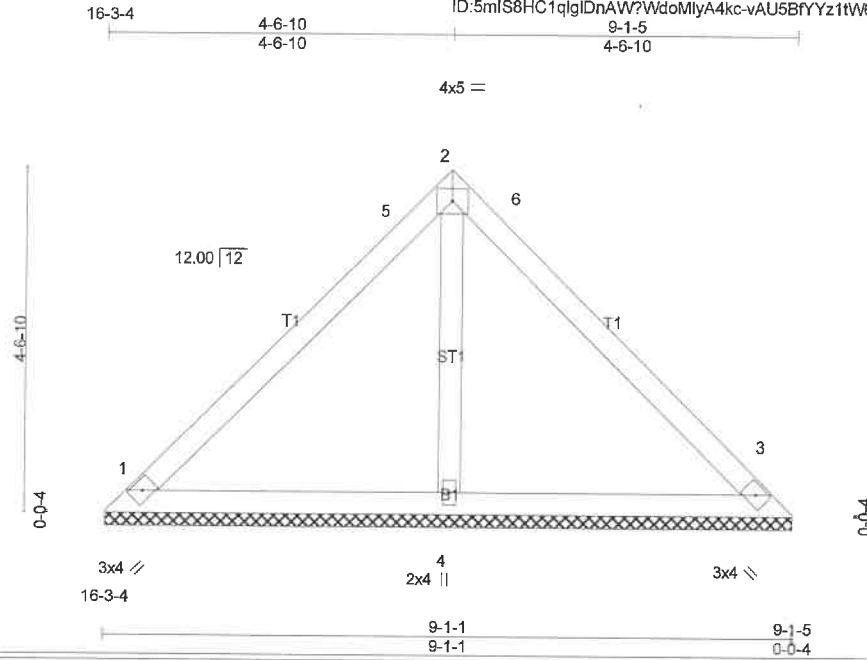
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-05; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp C; Partially Exp.; Ct=1.1
- Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HBJD - Function
17120040	V1C	Valley	1	1	

Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:45 2018 Page 1
 ID: 5mlS8HC1qglDnAW?WdoMlyA4kc-vAU5BfyZ1tW6g7ZdAQ1JzHZ?NgTr2R3Q7OmpDzqFFC



Scale = 1:29.3

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.25	in (loc) l/def L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.15	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.06	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-S	Horz(TL) 0.00 3 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 28 lb	FT = 18%

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

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

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

REACTIONS. (lb/size) 1=212/9-0-13 (min. 0-1-8), 3=212/9-0-13 (min. 0-1-8), 4=332/9-0-13 (min. 0-1-8)
 Max Horz 1=-132(LC 8)
 Max Uplift 1=-48(LC 11), 3=-48(LC 11), 4=-17(LC 10)

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

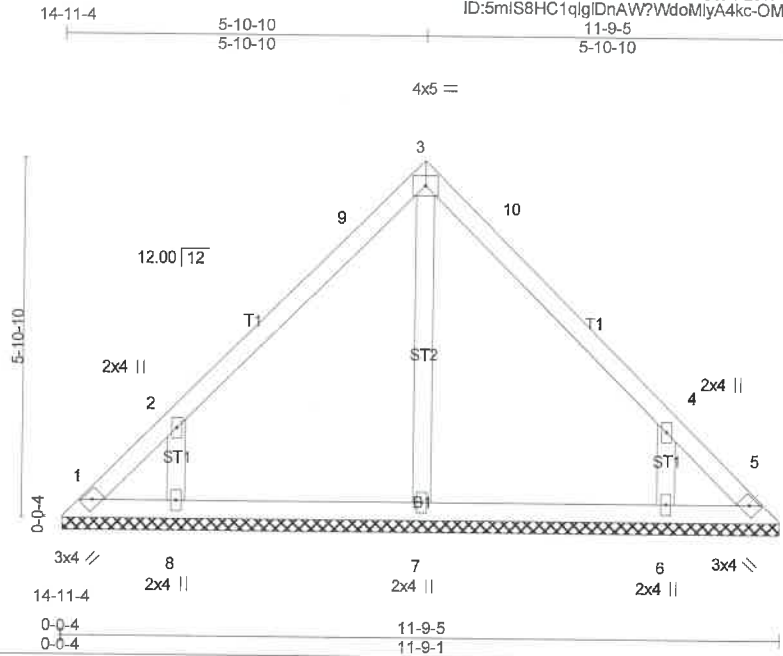
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
 - 8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V1D	Truss Type Valley	Qty 1	Ply 1	HBJD - Funchion
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Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:46 2018 Page 1
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Scale = 1:36.3

LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.19	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.10	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.09	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-S	Horz(TL) 0.00 5 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 40 lb	FT = 18%

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

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

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

REACTIONS. All bearings 11-8-13.
 (lb) - Max Horz 1=-174(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-227(LC 10), 6=-227(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=254(LC 1), 8=334(LC 14), 6=334(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-8=-275/273, 4-6=-275/273

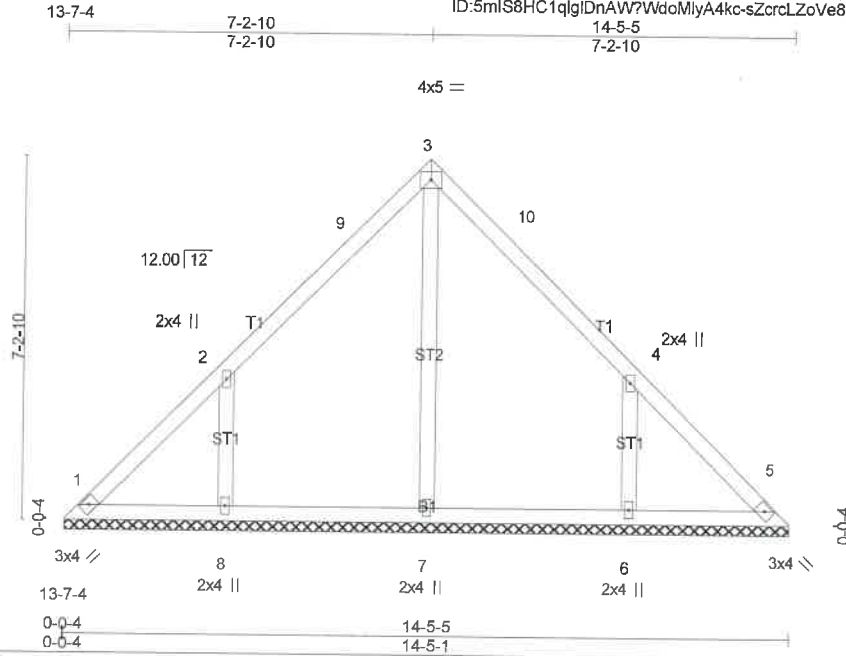
- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=227, 6=227.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V1E	Truss Type Valley	Qty 1	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Mililbury, Ohio 43447

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Scale = 1:44.0

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.18	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.10	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.14	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-S	Horz(TL) 0.00 5 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 52 lb	FT = 18%

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

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

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

REACTIONS. All bearings 14-4-13.
(lb) - Max Horz 1=215(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-247(LC 10), 6=-247(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=368(LC 14), 6=368(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-289/287, 4-6=-289/287

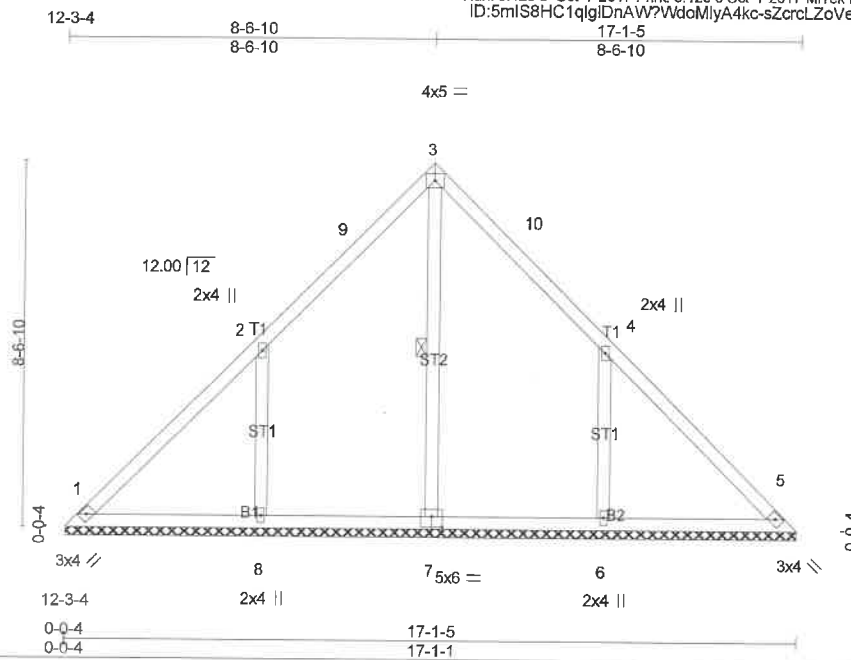
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=247, 6=247.
 - 8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HBJD - Function
17120040	V1F	Valley	1	1	

Carter Components, Millbury, Ohio 43447

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Scale = 1:51.7

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.23	Vert(LL)	n/a	-	n/a	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.12	Vert(TL)	n/a	-	n/a		
TCDL 10.0	Lumber DOL 1.15	WB 0.11	Horz(TL)	0.00	5	n/a		
BCLL 0.0	Rep Stress Incr YES	Matrix-S						
BCDL 10.0	Code IRC2009/TPI2007						Weight: 64 lb	FT = 18%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 3-7

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

REACTIONS. All bearings 17-0-13.
 (lb) - Max Horz 1=-257(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-295(LC 10), 6=-295(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=444(LC 14), 6=444(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-8=-339/337, 4-6=-339/337

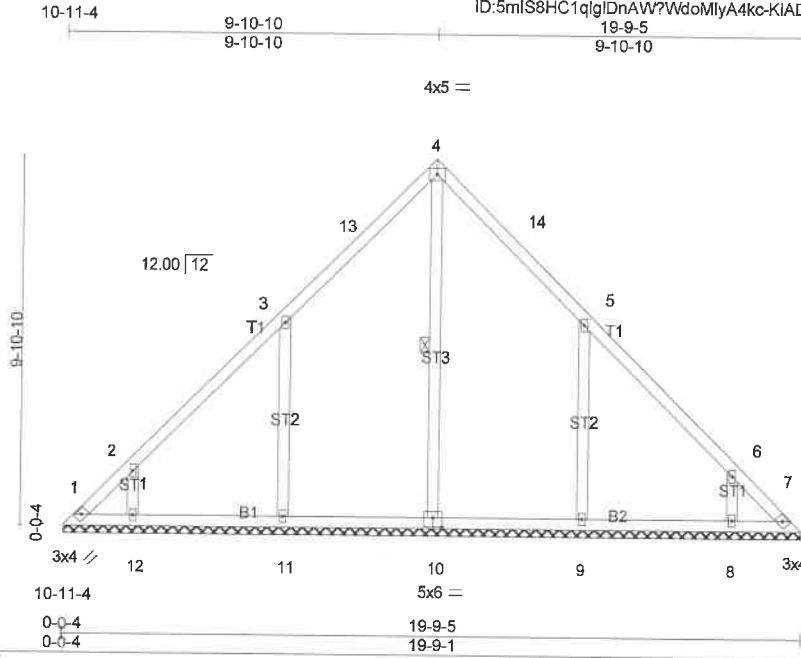
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=295, 6=295.
 - 8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V1G	Truss Type Valley	Qty 1	Ply 1	HBJD - Funchien
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Carter Components, Millbury, Ohio 43447

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Scale = 1:59.2

Plate Offsets (X,Y)-- [10:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.20	Vert(LL)	n/a	n/a	999	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.17	Horz(TL)	0.01	7	n/a		
BCLL	0.0	Code IRC2009/TPI2007		Matrix-S							
BCDL	10.0									Weight: 79 lb	FT = 18%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.
WEBS 1 Row at midpt 4-10

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

REACTIONS. All bearings 19-8-13.
(lb) - Max Horz 1=-299(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 7 except 1=-110(LC 8), 11=-264(LC 10), 12=-191(LC 10), 9=-264(LC 11), 8=-191(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10 except 11=396(LC 14), 12=293(LC 1), 9=396(LC 15), 8=293(LC 1)

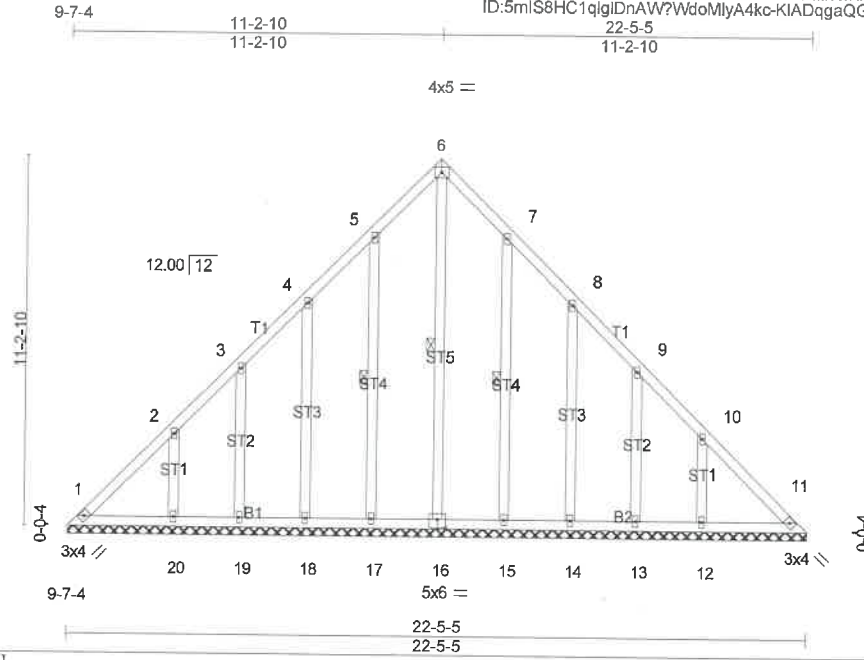
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-327/173, 6-7=-290/100
WEBS 3-11=-313/313, 5-9=-313/313

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) All plates are 2x4 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 1=110, 11=264, 12=191, 9=264, 8=191.
 - 9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V1H	Truss Type GABLE	Qty 1	Ply 1	HBJD - Function
Carter Components, Millbury, Ohio 43447					Job Reference (optional)

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Scale = 1:67.1

Plate Offsets (X,Y)-- [16:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	25.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	MT20	197/144
Snow (Pf/Pg)	19.3/25.0	Lumber DOL	1.15	BC	0.07	Vert(TL)	n/a	-	n/a		
TCDL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.01	11	n/a		
BCLL	0.0	Code IRC2009/TPI2007		Matrix-S							
BCDL	10.0									Weight: 124 lb	FT = 18%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 6-16, 5-17, 7-15

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

REACTIONS. All bearings 22-5-5.

- (lb) - Max Horz 1=-341(LC 8)
- Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 19, 13 except 17=-111(LC 10), 18=-128(LC 10), 20=-175(LC 10), 15=-109(LC 11), 14=-129(LC 11), 12=-175(LC 11)
- Max Grav All reactions 250 lb or less at joint(s) 1, 11, 17, 18, 19, 15, 14, 13 except 16=281(LC 11), 20=266(LC 1), 12=266(LC 1)

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

- TOP CHORD 1-2=-345/189, 10-11=-301/104
- BOT CHORD 1-20=-68/260, 19-20=-68/260, 18-19=-68/260, 17-18=-68/260, 16-17=-68/260, 15-16=-68/260, 14-15=-68/260, 13-14=-68/260, 12-13=-68/260, 11-12=-68/260
- WEBS 6-16=-259/0

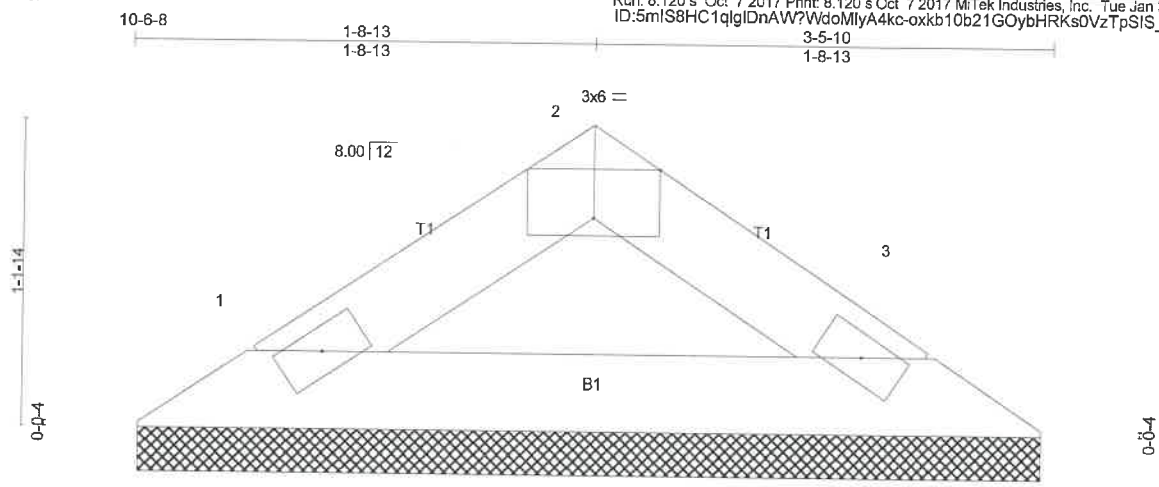
NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-05; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp C; Partially Exp.; Ct=1.1
- Unbalanced snow loads have been considered for this design.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 19, 13 except (t=lb) 17=111, 18=128, 20=175, 15=109, 14=129, 12=175.
- This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V2A	Truss Type Valley	Qty 1	Ply 1	HBJD - Funchion
Carter Components, Millbury, Ohio 43447					Job Reference (optional)

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 3-5-10
 1-8-13



Scale = 1:8.3



Plate Offsets (X,Y)-- [2:0-3-0,Edge]	10-6-8	3-5-10
	0-0-6	3-5-4
	0-0-6	

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.02	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.06	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress incr YES	Matrix-P	Horz(TL) 0.00 3 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 7 lb	FT = 18%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2

BRACING-
 TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 3-5-10 oc purlins.
 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=113/3-4-14 (min. 0-1-8), 3=113/3-4-14 (min. 0-1-8)
 Max Horz 1=-26(LC 8)
 Max Uplift 1=-16(LC 10), 3=-16(LC 11)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1; Min. flat roof snow load governs.
 - Unbalanced snow loads have been considered for this design.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V2B	Truss Type Valley	Qty 1	Ply 1	HBJD - Function Job Reference (optional)
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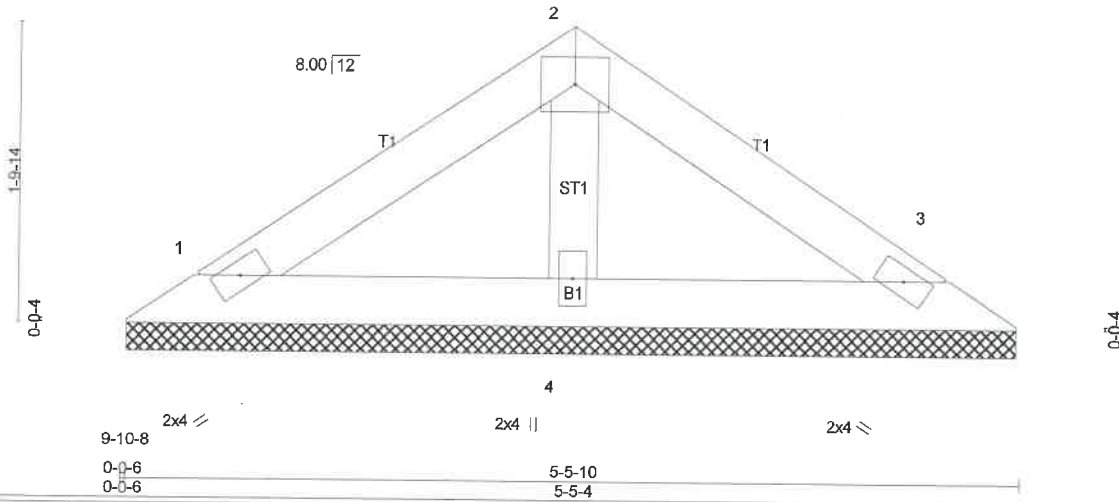
Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:49 2018 Page 1
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4x5 =

Scale = 1:13.5



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.09	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.04	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.02	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-P	Horz(TL) 0.00 3 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 14 lb	FT = 18%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-10 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=110/5-4-14 (min. 0-1-8), 3=110/5-4-14 (min. 0-1-8), 4=186/5-4-14 (min. 0-1-8)
Max Horz 1=-47(LC 8)
Max Uplift 1=-28(LC 10), 3=-32(LC 11), 4=-3(LC 10)

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

NOTES-

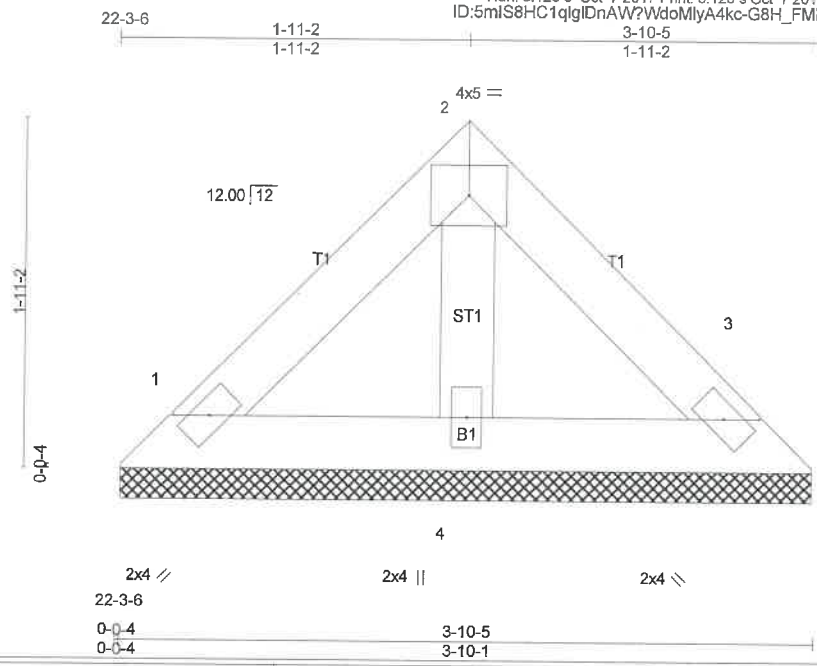
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-05; Pr=25.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp C; Partially Exp.; Ct=1.1
- Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
- This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V3A	Truss Type Valley	Qty 1	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:50 2018 Page 1
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Scale = 1:12.2

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.04	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.02	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.01	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-P	Horz(TL) 0.00 3 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 11 lb	FT = 18%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-5 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=86/3-9-13 (min. 0-1-8), 3=86/3-9-13 (min. 0-1-8), 4=112/3-9-13 (min. 0-1-8)
Max Horz 1=49(LC 9)
Max Uplift 1=-24(LC 11), 3=-24(LC 11)

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

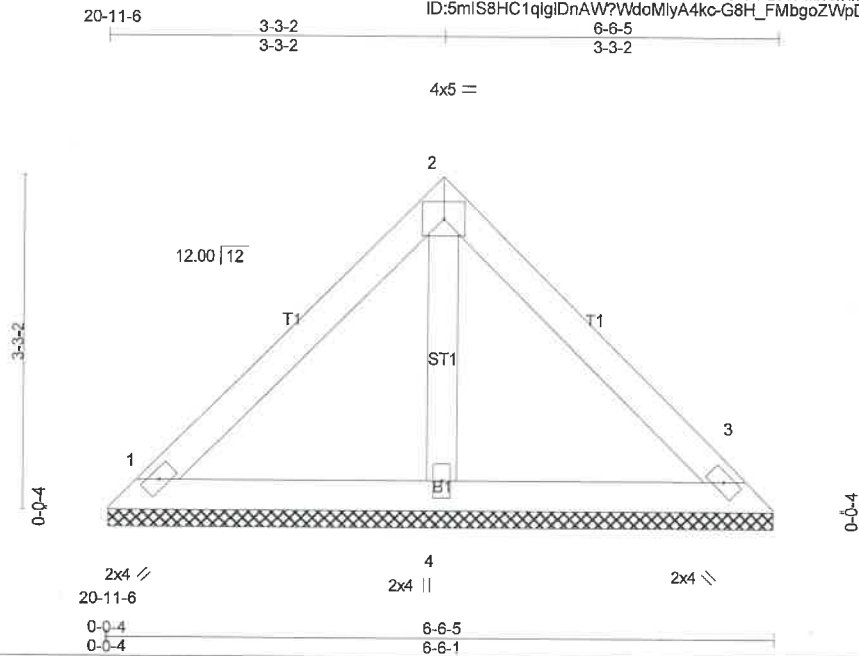
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 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) 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 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V3B	Truss Type Valley	Qty 1	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

Run: 8:120 s Oct 7 2017 Print: 8:120 s Oct 7 2017 MiTek Industries, inc. Tue Jan 30 07:31:50 2018 Page 1
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Scale = 1:21.6

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.16	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.07	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.02	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-P	Horz(TL) 0.00 3 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 20 lb	FT = 18%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SPF No.2	

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

REACTIONS. (lb/size) 1=159/6-5-13 (min. 0-1-8), 3=159/6-5-13 (min. 0-1-8), 4=207/6-5-13 (min. 0-1-8)
Max Horz 1=91(LC 9)
Max Uplift 1=-44(LC 11), 3=-44(LC 11)

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

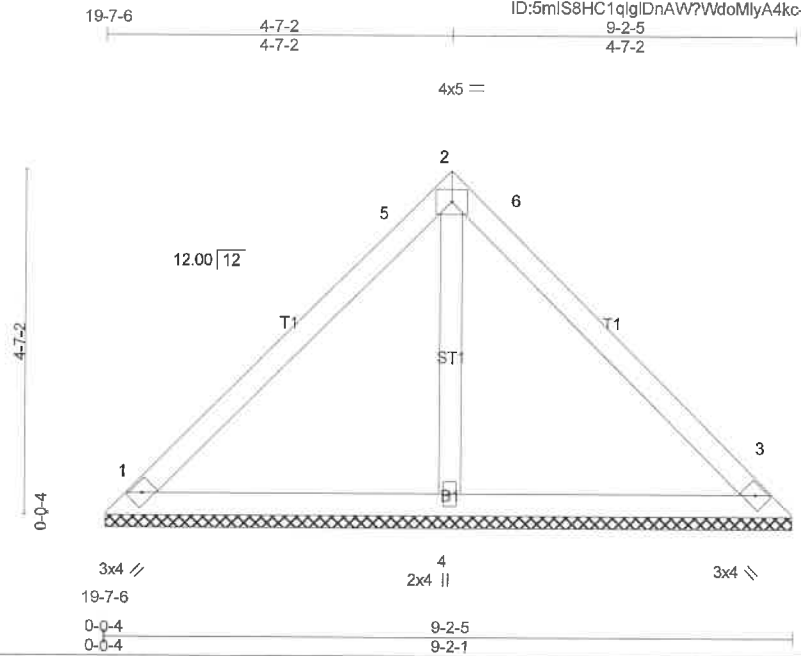
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 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) 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 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V3C	Truss Type Valley	Qty 1	Ply 1	HBJD - Function
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Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:51 2018 Page 1
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Scale = 1:29.5

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.25	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.15	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.06	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-S	Horz(TL) 0.00 3 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 29 lb	FT = 18%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SPF No.2	

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

REACTIONS. (lb/size) 1=214/9-1-13 (min. 0-1-8), 3=214/9-1-13 (min. 0-1-8), 4=335/9-1-13 (min. 0-1-8)
Max Horz 1=-133(LC 8)
Max Uplift 1=-49(LC 11), 3=-49(LC 11), 4=-17(LC 10)

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

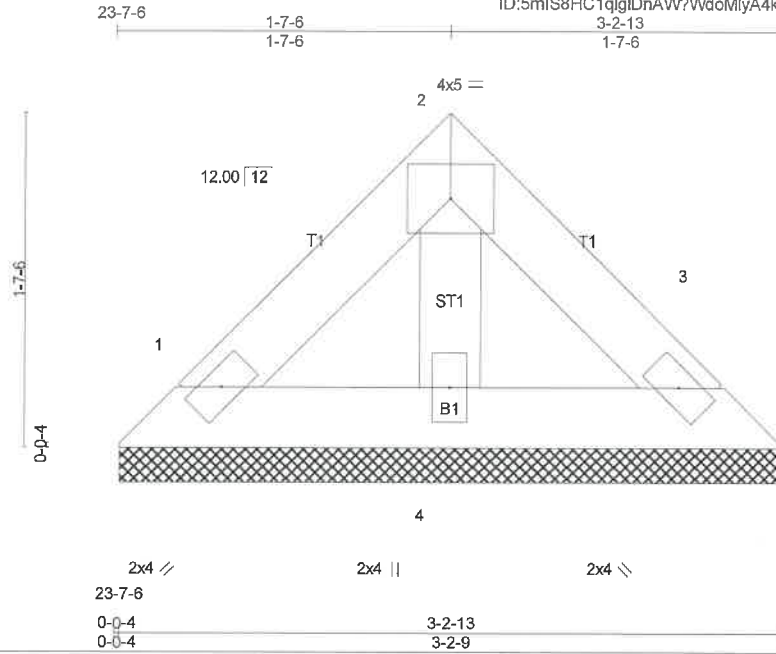
- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
 - 8) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V4A	Truss Type Valley	Qty 1	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

Run: 8:120 s Oct 7 2017 Print: 8:120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:51 2018 Page 1
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Scale = 1:10.7

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.03	in (loc) l/defl L/d	MT20	197/144
Snow (P#Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.01	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.01	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-P	Horz(TL) 0.00 3 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 9 lb	FT = 18%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-13 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=69/3-2-5 (min. 0-1-8), 3=69/3-2-5 (min. 0-1-8), 4=90/3-2-5 (min. 0-1-8)
Max Horz 1=-40(LC 8)
Max Uplift 1=-19(LC 11), 3=-19(LC 11)

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

NOTES-

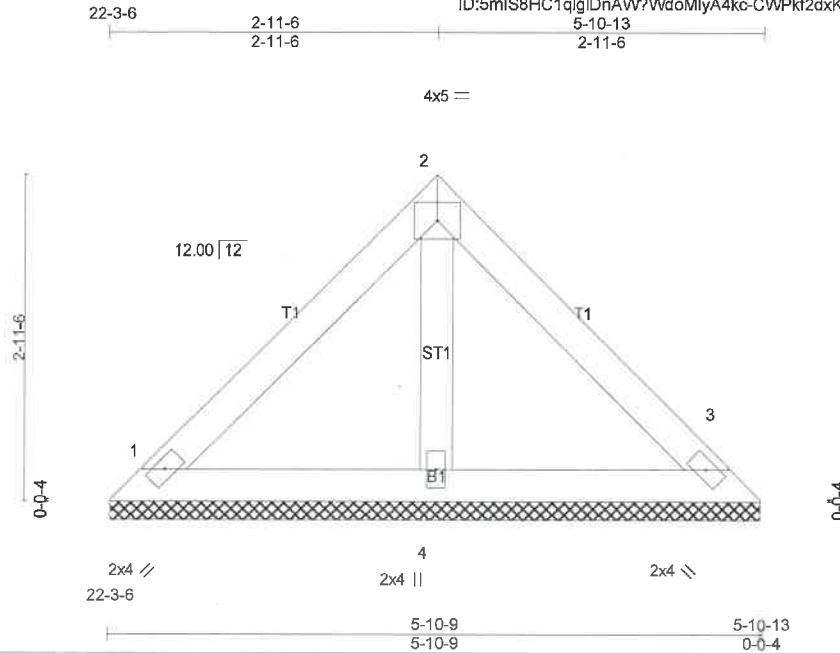
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1; Min. flat roof snow load governs.
- 4) Unbalanced snow loads have been considered for this design.
- 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) 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 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V4B	Truss Type Valley	City 1	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Milbury, Ohio 43447

Run: 8:120 s Oct 7 2017 Print: 8:120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:52 2018 Page 1
ID:5mlS8HC1qglDnAW?WdoMlyA4kc-CWPKf2dxK8mXSIvY82g5S4nAC5Z_Dr51iad9JzqFF5



Scale = 1:20.0

LOADING (psf)	SPACING-	CSI.	DEFL.	in (oc)	l/def	L/d	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.12	Vert(LL) n/a	-	n/a	999	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.06	Vert(TL) n/a	-	n/a	999		
TCDL 10.0	Lumber DOL 1.15	WB 0.02	Horz(TL) 0.00	3	n/a	n/a		
BCLL 0.0	Rep Stress Incr YES	Matrix-P						
BCDL 10.0	Code IRC2009/TPI2007						Weight: 18 lb	FT = 18%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-10-13 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=142/5-10-5 (min. 0-1-8), 3=142/5-10-5 (min. 0-1-8), 4=184/5-10-5 (min. 0-1-8)
Max Horz 1=81(LC 9)
Max Uplift 1=-40(LC 11), 3=-40(LC 11)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
- Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

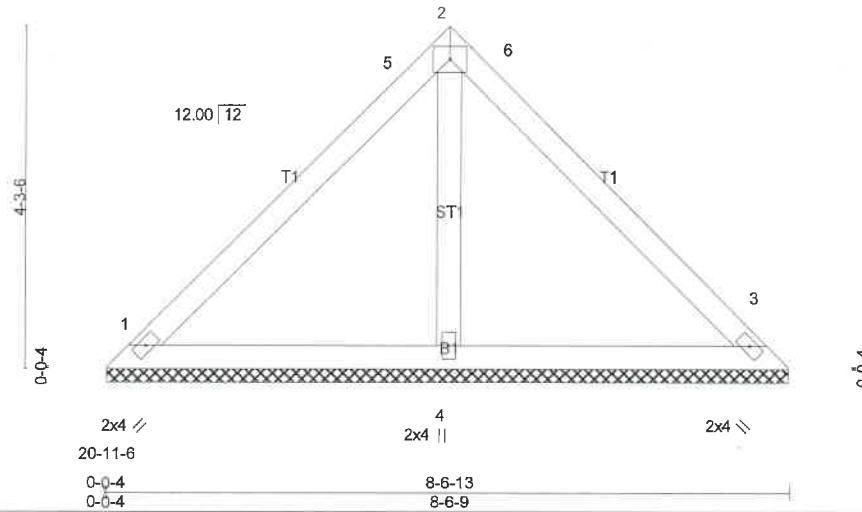
Job 17120040	Truss V4C	Truss Type Valley	Qty 1	Ply 1	HEJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:52 2018 Page 1
ID:5mlS8HC1qjldnAW?WdoMlyA4kc-CWPKf2dxKBmXSIAvY82g5S4kOC3Q_DM51iad9JzqFF5



Scale = 1:27.7



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.30	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.13	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.05	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-P	Horz(TL) 0.00 3 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 27 lb	FT = 18%

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

BRACING-
TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
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=214/8-6-5 (min. 0-1-8), 3=214/8-6-5 (min. 0-1-8), 4=279/8-6-5 (min. 0-1-8)
Max Horz 1=123(LC 9)
Max Uplift 1=-60(LC 11), 3=-60(LC 11)

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

NOTES-

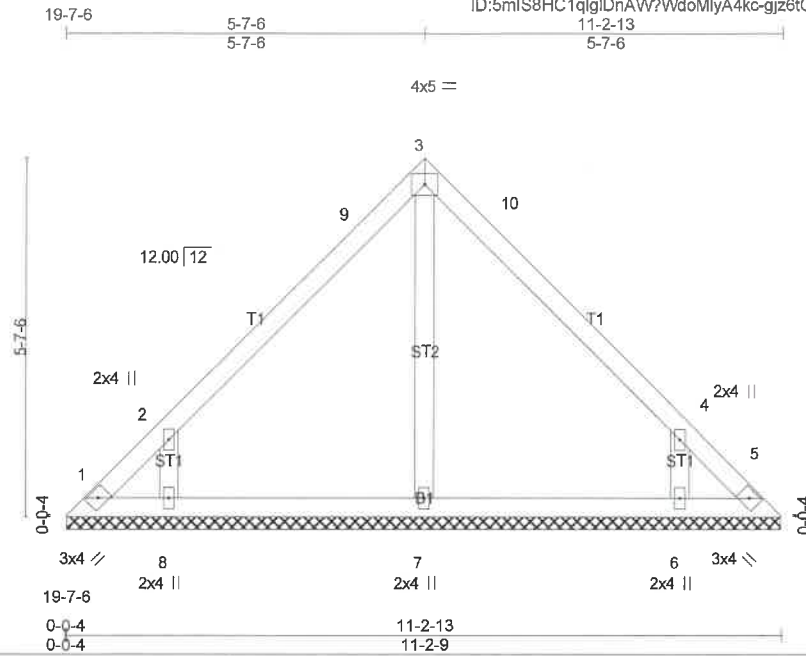
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
- Unbalanced snow loads have been considered for this design.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
- This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job 17120040	Truss V4D	Truss Type Valley	Qty 1	Ply 1	HBJD - Function Job Reference (optional)
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Carter Components, Millbury, Ohio 43447

Run: 8.120 s Oct 7 2017 Print: 8.120 s Oct 7 2017 MiTek Industries, Inc. Tue Jan 30 07:31:53 2018 Page 1
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Scale = 1:34.7

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL (roof) 25.0	2-0-0	TC 0.19	in (loc) l/defl L/d	MT20	197/144
Snow (Pf/Pg) 19.3/25.0	Plate Grip DOL 1.15	BC 0.10	Vert(LL) n/a - n/a 999		
TCDL 10.0	Lumber DOL 1.15	WB 0.08	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	Matrix-S	Horz(TL) 0.00 5 n/a n/a		
BCDL 10.0	Code IRC2009/TPI2007			Weight: 38 lb	FT = 18%

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

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

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

REACTIONS. All bearings 11-2-5.
(lb) - Max Horz 1=165(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-233(LC 10), 6=-232(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=253(LC 1), 8=341(LC 14), 6=341(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-283/282, 4-6=-283/282

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 90mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pr=25.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=25.0 psf (ground snow); Pf=19.3 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp C; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=233, 6=232.
 - This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard