Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	CJ1	Diagonal Hip Girder	3	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:04:52 2023 Page 1
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-2-7-13 / 2-7-13 | 4-2-9 / 4-2-9 | 7-9-8 / 3-6-15 | 11-7-15 / 3-10-7

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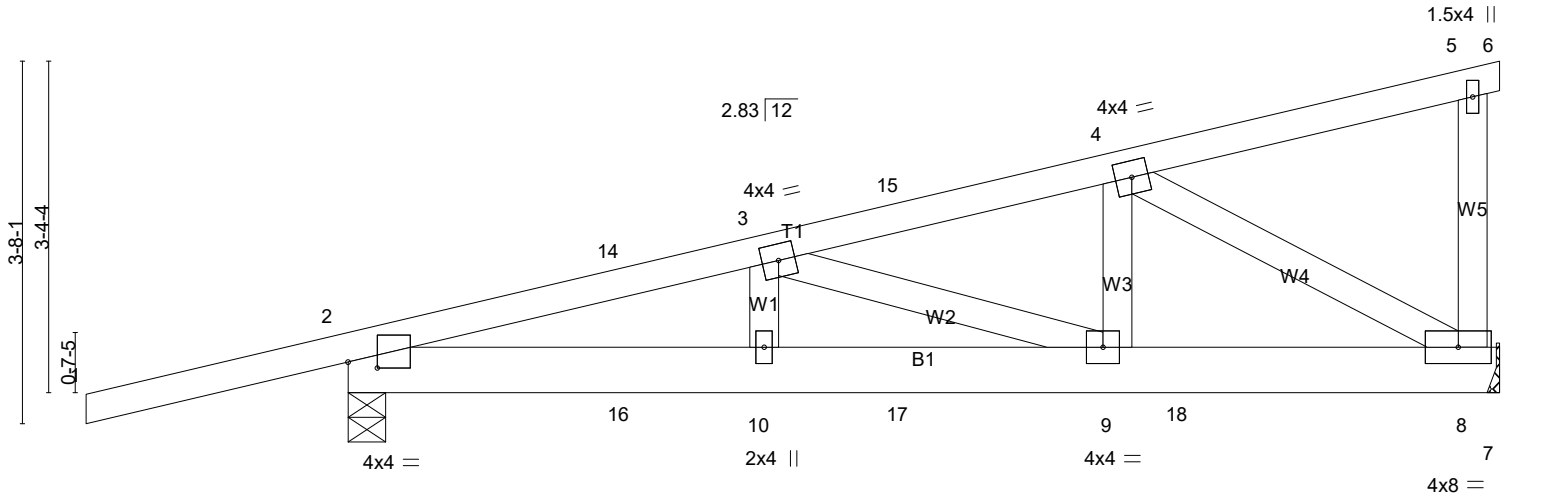

4-2-9 / 4-2-9 | 7-9-8 / 3-6-15 | 11-7-15 / 3-10-7

Plate Offsets (X,Y)-- [2:0-3-9,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.03	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.06	9-10	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.40	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.02	9-10	>999	240	Weight: 67 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-5 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=754/0-4-9 (min. 0-1-8), 8=1344/Mechanical
Max Horz 2=119(LC 7)
Max Uplift2=-169(LC 4), 8=-196(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-1249/52, 3-14=-1219/61, 3-15=-1057/125, 4-15=-1034/131
BOT CHORD 2-16=-84/1187, 10-16=-84/1187, 10-17=-84/1187, 9-17=-84/1187, 9-18=-110/1007, 8-18=-110/1007
WEBS 3-9=-267/0, 4-9=-23/558, 4-8=-1135/154

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint 2 and 196 lb uplift at joint 8.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 53 lb down and 12 lb up at 2-9-8, 53 lb down and 12 lb up at 2-9-8, and 73 lb down and 40 lb up at 5-7-7, and 73 lb down and 40 lb up at 5-7-7 on top chord, and 21 lb down and 12 lb up at 2-9-8, 21 lb down and 12 lb up at 2-9-8, 28 lb down at 5-7-7, 28 lb down at 5-7-7, 208 lb down and 59 lb up at 8-5-6, 190 lb down and 49 lb up at 8-5-6, and 299 lb down and 58 lb up at 11-3-5, and 285 lb down and 51 lb up at 11-3-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

NOTES-

8) 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

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-5=-60, 5-6=-20, 7-11=-20
   Concentrated Loads (lb)
      Vert: 8=-584(F=-285, B=-299) 15=-5(F=-2, B=-2) 17=-30(F=-15, B=-15) 18=-398(F=-190, B=-208)

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	CJ2	Diagonal Hip Girder	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:04:53 2023 Page 1

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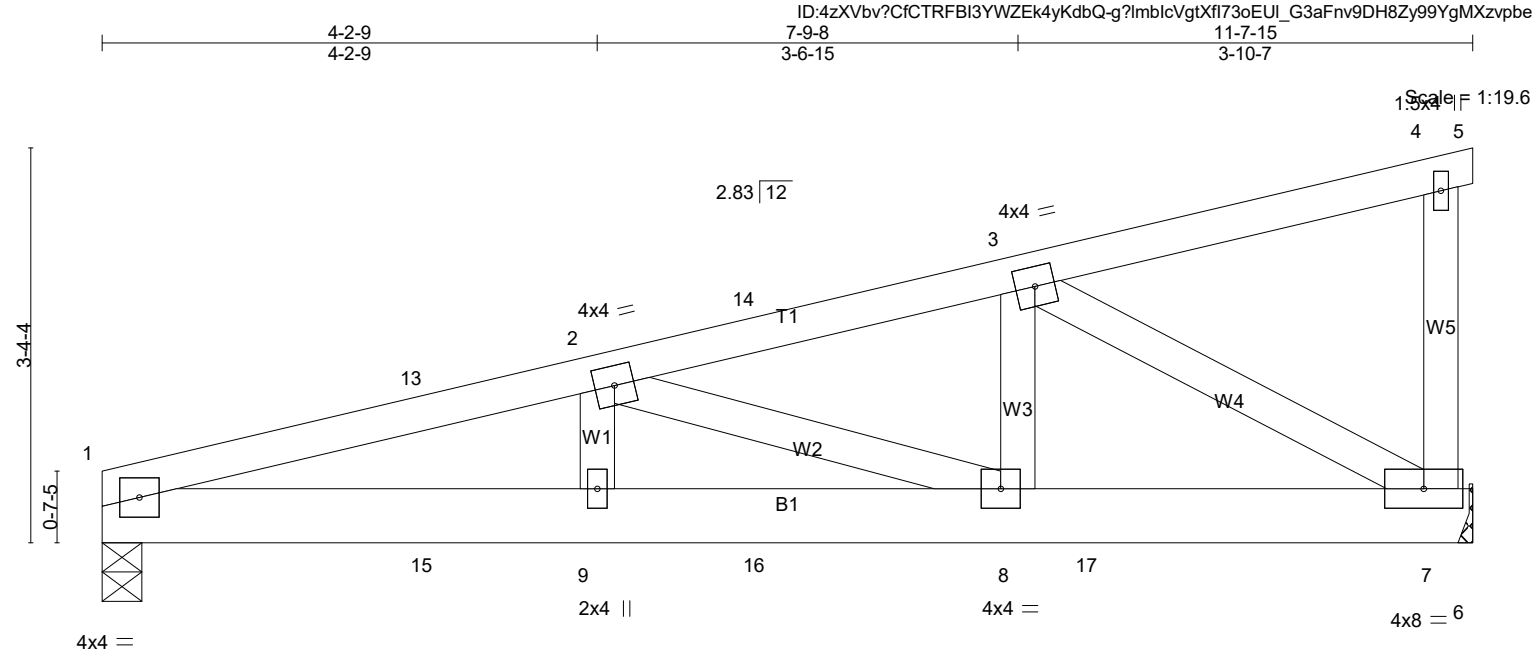

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.03	9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.06	8-9	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.43	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.03	9	>999	240	Weight: 63 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-14 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=613/0-4-1 (min. 0-1-8), 7=1409/Mechanical
Max Horz 1=109(LC 22)
Max Uplift1=-82(LC 4), 7=-229(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-1490/194, 2-13=-1460/199, 2-14=-1143/165, 3-14=-1119/171
BOT CHORD 1-15=-203/1423, 9-15=-203/1423, 9-16=-203/1423, 8-16=-203/1423, 8-17=-149/1089, 7-17=-149/1089
WEBS 2-8=-354/58, 3-8=-56/622, 3-7=-1228/199

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 1 and 229 lb uplift at joint 7.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 52 lb down and 23 lb up at 2-9-8, 52 lb down and 23 lb up at 2-9-8, and 73 lb down and 40 lb up at 5-7-7, and 80 lb down and 53 lb up at 5-7-7 on top chord, and 14 lb down and 13 lb up at 2-9-8, 14 lb down and 13 lb up at 2-9-8, 28 lb down at 5-7-7, 29 lb down at 5-7-7, 208 lb down and 59 lb up at 8-5-6, 208 lb down and 59 lb up at 8-5-6, and 299 lb down and 58 lb up at 11-3-5, and 299 lb down and 58 lb up at 11-3-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-4=-60, 4-5=-20, 6-10=-20
   Concentrated Loads (lb)
      Vert: 7=-597(F=-299, B=-299) 14=-14(F=-2, B=-12) 15=-27(F=-14, B=-14) 16=-44(F=-15, B=-29) 17=-417(F=-208, B=-208)

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	CJ3	Diagonal Hip Girder	4	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:04:54 2023 Page 1

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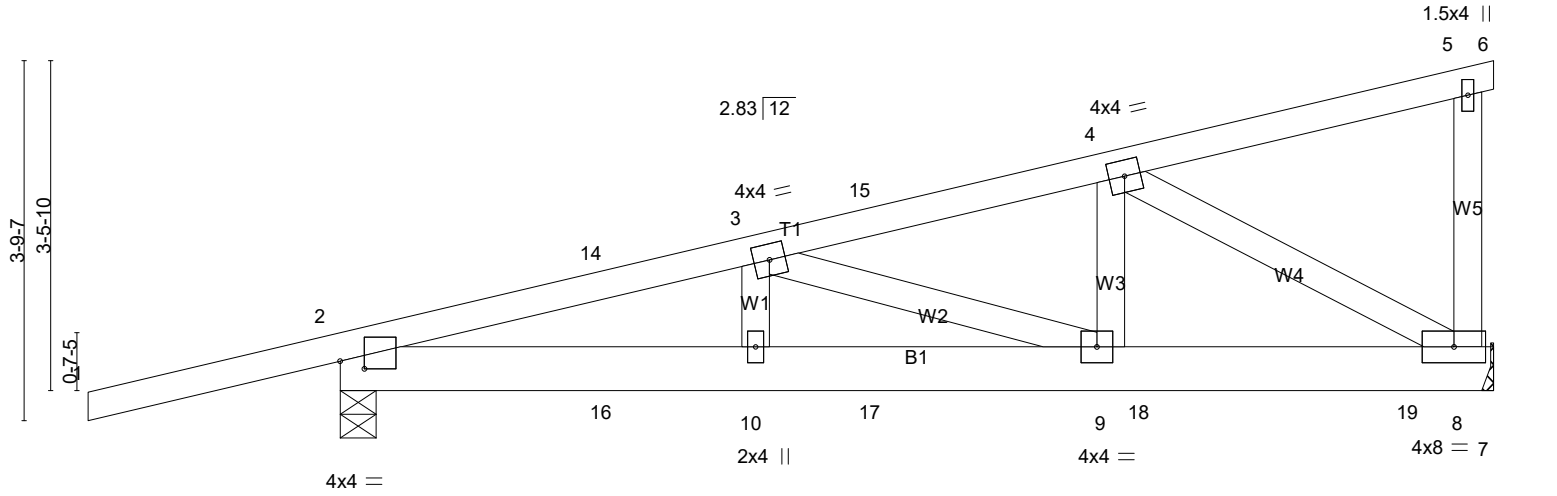
-2-7-13 / 2-7-13 | 4-4-7 / 4-4-7 | 8-1-4 / 3-8-13 | 12-1-9 / 4-0-5

Scale: 1/2"=1'



4-4-7 / 4-4-7 | 8-1-4 / 3-8-13 | 12-1-9 / 4-0-5

Plate Offsets (X,Y)-- [2:0-3-1,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.03	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.36	Vert(CT)	-0.07	9-10	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.49	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.03	9-10	>999	240	Weight: 70 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-4 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=806/0-4-9 (min. 0-1-8), 8=1287/Mechanical
Max Horz 2=123(LC 7)
Max Uplift2=-174(LC 4), 8=-182(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-1420/71, 3-14=-1389/80, 3-15=-1232/145, 4-15=-1208/152
BOT CHORD 2-16=-97/1352, 10-16=-97/1352, 10-17=-97/1352, 9-17=-97/1352, 9-18=-130/1176, 18-19=-130/1176, 8-19=-130/1176
WEBS 3-9=-261/0, 4-9=-35/675, 4-8=-1316/176

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 174 lb uplift at joint 2 and 182 lb uplift at joint 8.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 53 lb down and 12 lb up at 2-9-8, 53 lb down and 12 lb up at 2-9-8, and 73 lb down and 40 lb up at 5-7-7, and 73 lb down and 40 lb up at 5-7-7 on top chord, and 21 lb down and 12 lb up at 2-9-8, 21 lb down and 12 lb up at 2-9-8, 28 lb down at 5-7-7, 28 lb down at 5-7-7, 190 lb down and 49 lb up at 8-5-6, 190 lb down and 49 lb up at 8-5-6, and 280 lb down and 55 lb up at 11-3-5, and 280 lb down and 55 lb up at 11-3-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

NOTES-

8) 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

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-5=-60, 5-6=-20, 7-11=-20
   Concentrated Loads (lb)
      Vert: 15=-5(F=-2, B=-2) 17=-30(F=-15, B=-15) 18=-379(F=-190, B=-190) 19=-560(F=-280, B=-280)

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	CJ4	Diagonal Hip Girder	2	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:04:54 2023 Page 1

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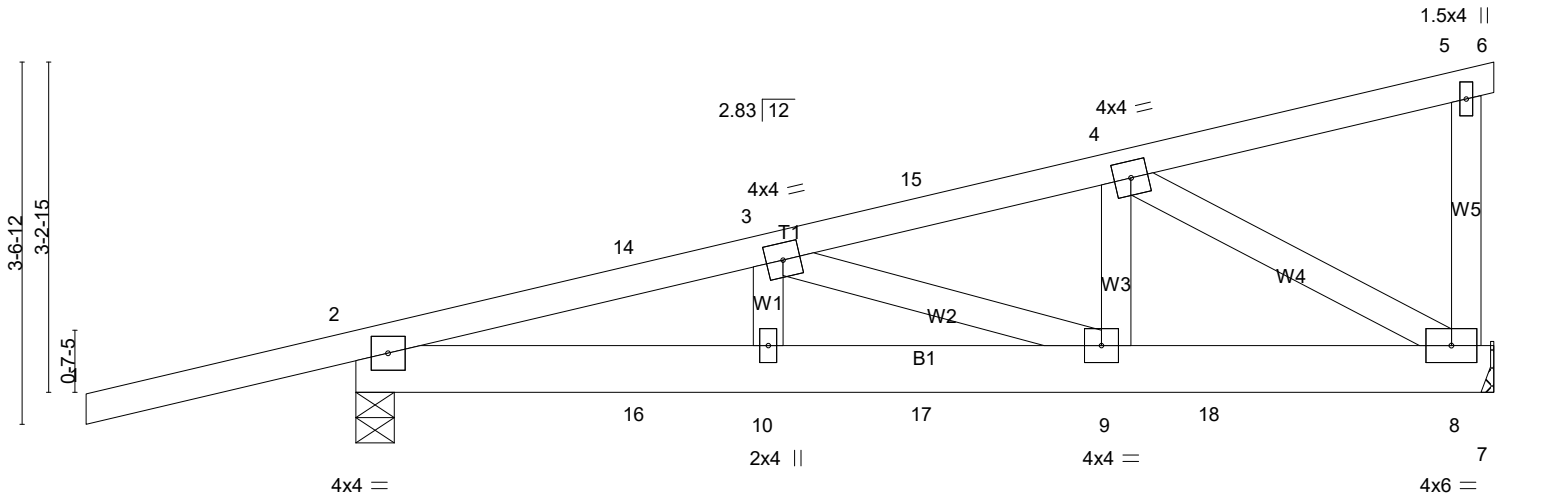
-2-7-13 / 2-7-13 | 4-0-11 / 4-0-11 | 7-5-12 / 3-5-1 | 11-2-4 / 3-8-9

Scale = 1:22.7



4-0-11 / 4-0-11 | 7-5-12 / 3-5-1 | 11-2-4 / 3-8-9

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.02	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.28	Vert(CT)	-0.05	9-10	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.02	9-10	>999	240	Weight: 65 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-14 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=718/0-4-9 (min. 0-1-8), 8=740/Mechanical
Max Horz 2=114(LC 7)
Max Uplift2=-162(LC 4), 8=-93(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-14=-1145/28, 3-14=-1112/37, 3-15=-969/102, 4-15=-946/107
BOT CHORD 2-16=-66/1073, 10-16=-66/1073, 10-17=-66/1073, 9-17=-66/1073, 9-18=-88/922, 8-18=-88/922
WEBS 4-9=-9/504, 4-8=-1038/128

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 162 lb uplift at joint 2 and 93 lb uplift at joint 8.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 53 lb down and 12 lb up at 2-9-8, 53 lb down and 12 lb up at 2-9-8, and 73 lb down and 40 lb up at 5-7-7, and 73 lb down and 40 lb up at 5-7-7 on top chord, and 21 lb down and 12 lb up at 2-9-8, 21 lb down and 12 lb up at 2-9-8, 28 lb down at 5-7-7, 28 lb down at 5-7-7, and 190 lb down and 49 lb up at 8-5-6, and 190 lb down and 49 lb up at 8-5-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

LOAD CASE(S) Standard

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-60, 5-6=-20, 7-11=-20
Concentrated Loads (lb)
Vert: 15=-5(F=-2, B=-2) 17=-30(F=-15, B=-15) 18=-379(F=-190, B=-190)

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	CJ5	Diagonal Hip Girder	2	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:04:55 2023 Page 1

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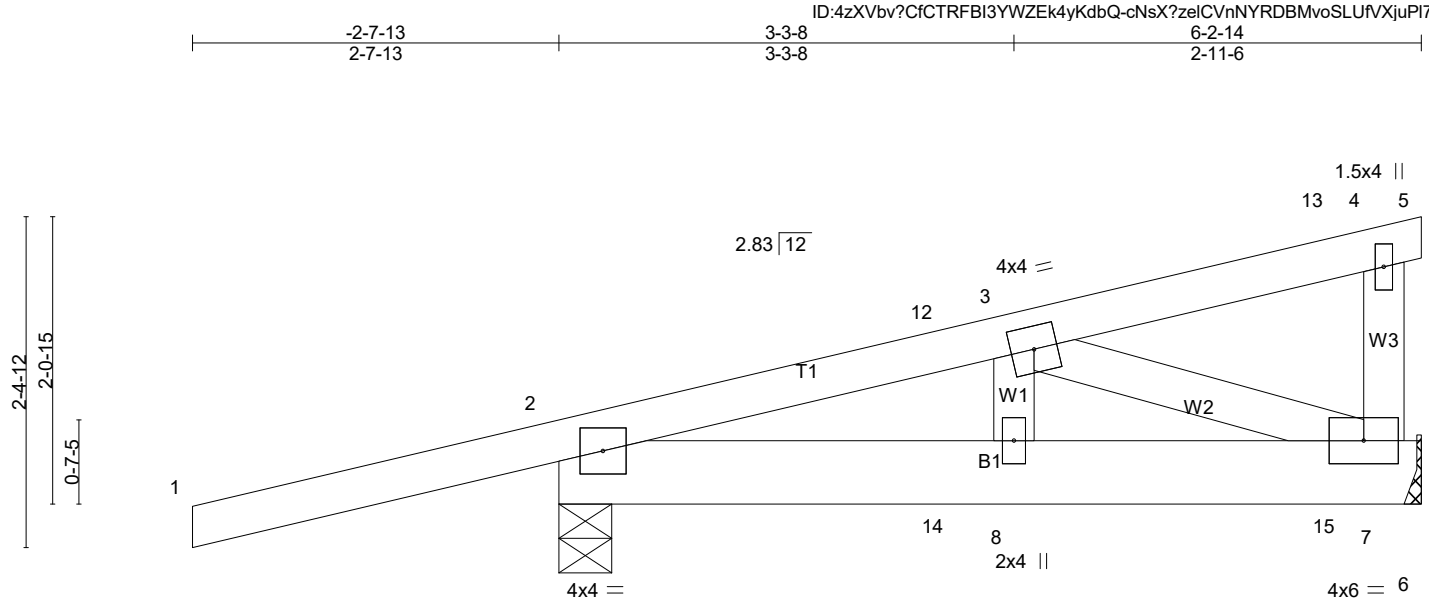

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.00	8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.01	8	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.07	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP		Wind(LL)	-0.00	8-11	>999	240	Weight: 35 lb	FT = 20%

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

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

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

REACTIONS. (lb/size) 2=440/0-4-9 (min. 0-1-8), 7=331/Mechanical
Max Horz 2=70(LC 7)
Max Uplift2=-141(LC 4), 7=-6(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-338/0, 3-12=-302/0
BOT CHORD 2-14=-9/291, 8-14=-9/291, 8-15=-9/291, 7-15=-9/291
WEBS 3-7=-307/0

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 141 lb uplift at joint 2 and 6 lb uplift at joint 7.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 53 lb down and 12 lb up at 2-9-8, 53 lb down and 12 lb up at 2-9-8, and 64 lb down and 39 lb up at 5-7-7, and 71 lb down and 50 lb up at 5-7-7 on top chord, and 21 lb down and 12 lb up at 2-9-8, 21 lb down and 12 lb up at 2-9-8, and 33 lb down at 5-7-7, and 37 lb down at 5-7-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) 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

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-60, 4-5=-20, 6-9=-20
Concentrated Loads (lb)
Vert: 13=-64(F=-23, B=-41) 15=-60(F=-23, B=-37)

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	F1	Floor Supported Gable	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:04:56 2023 Page 1

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0-1-8

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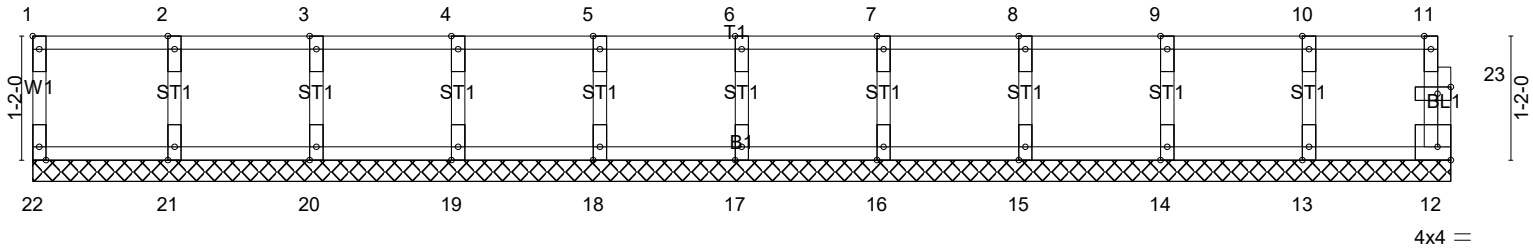

13-4-0

13-4-0

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [12:Edge,0-1-8], [23:0-1-8,0-0-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 56 lb	FT = 20%F, 11%

LUMBER-

TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-

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

REACTIONS. All bearings 13-4-0.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

NOTES-

1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	F2	Floor	21	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:04:56 2023 Page 1

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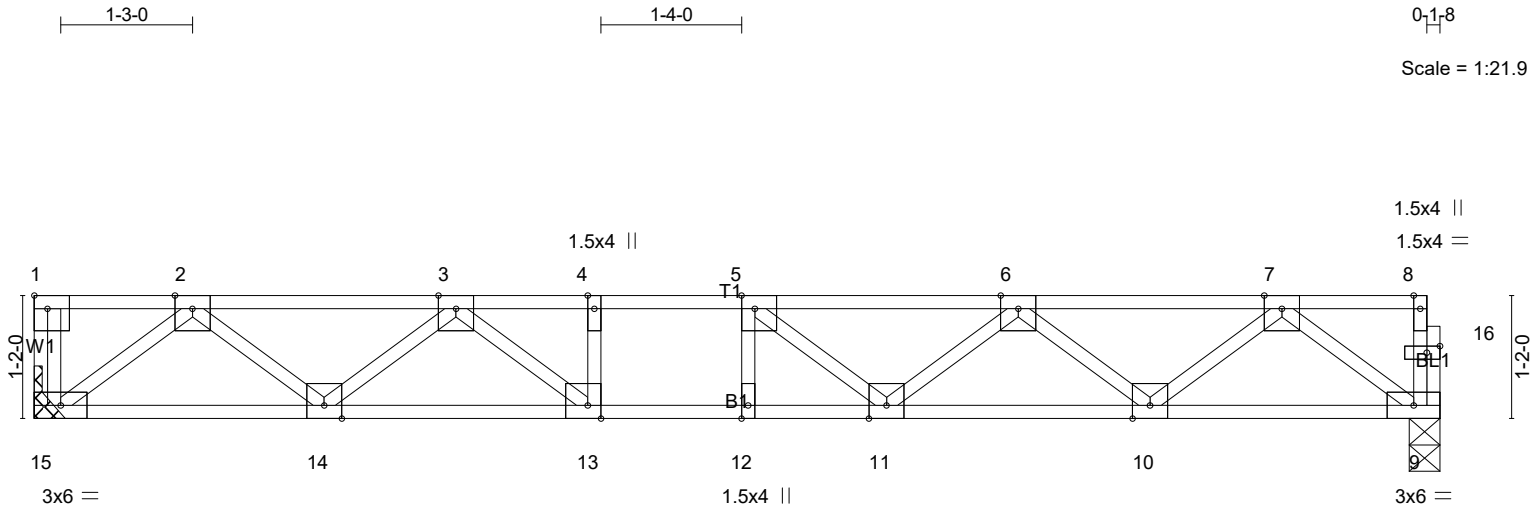

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [5:0-1-8,Edge], [13:0-1-8,Edge], [16:0-1-8,0-0-12]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.16	Vert(LL)	-0.07	12	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.29	Vert(CT)	-0.10	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.02	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 68 lb	FT = 20%F, 11%

LUMBER-

TOP CHORD 2x4 SP 2400F 2.0E(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat)

BRACING-

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

REACTIONS. (lb/size) 15=575/Mechanical, 9=570/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1124/0, 3-4=-1776/0, 4-5=-1776/0, 5-6=-1689/0, 6-7=-1136/0
BOT CHORD 14-15=0/704, 13-14=0/1532, 12-13=0/1776, 11-12=0/1776, 10-11=0/1550, 9-10=0/698
WEBS 2-15=-884/0, 2-14=0/546, 3-14=-531/0, 3-13=0/439, 7-9=-874/0, 7-10=0/570, 6-10=-539/0, 5-11=-255/49

NOTES-

1) Unbalanced floor live loads have been considered for this design.
2) All plates are 4x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	F3	Floor Supported Gable	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:04:57 2023 Page 1

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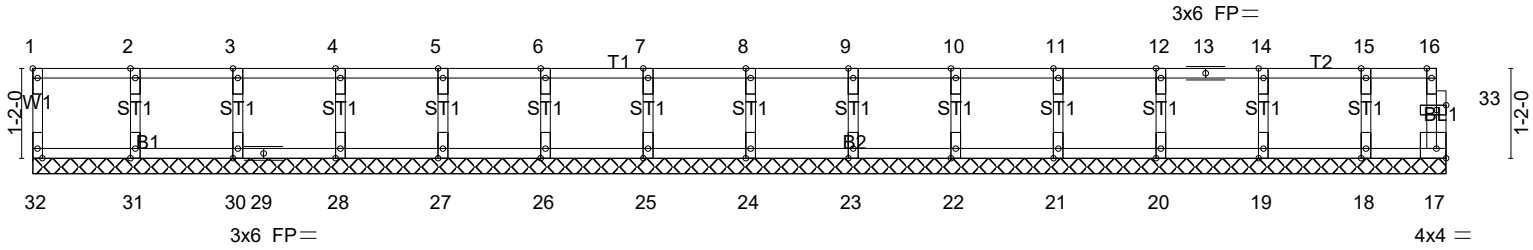

18-4-8

18-4-8

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [17:Edge,0-1-8], [33:0-1-8,0-0-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	17	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 76 lb	FT = 20%F, 11%

LUMBER-

TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)
OTHERS 2x4 SP No.3(flat)

BRACING-

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

REACTIONS. All bearings 18-4-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 32, 17, 31, 30, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18

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

NOTES-

1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	F4	Floor	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:04:58 2023 Page 1

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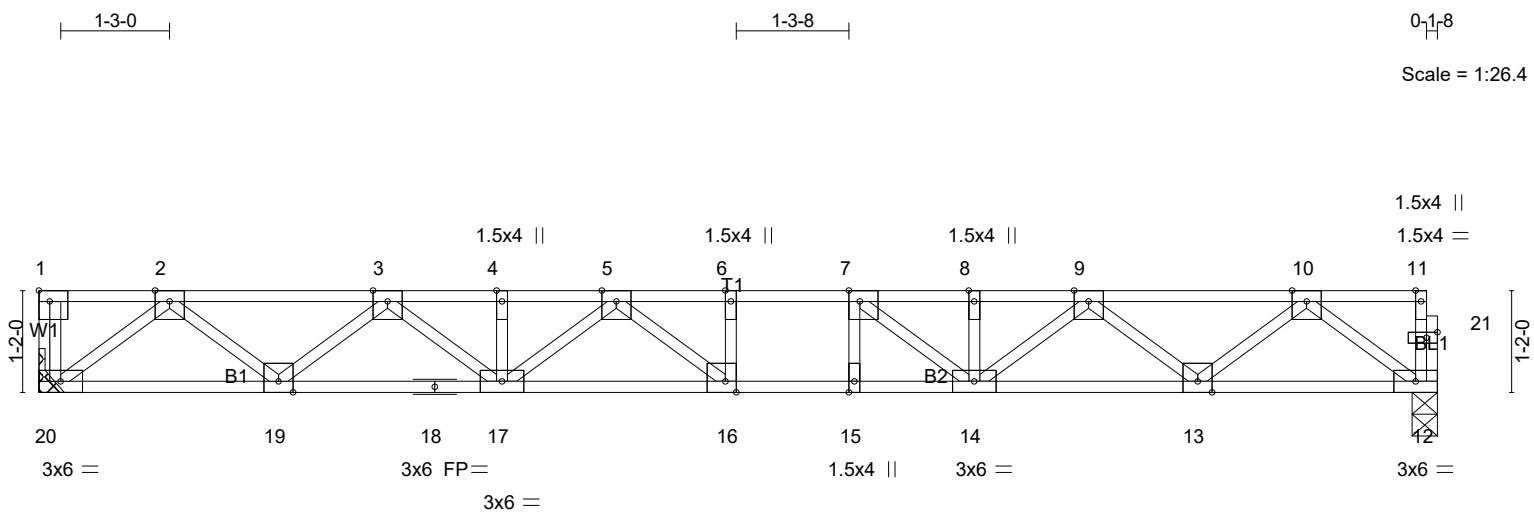

16-0-8
16-0-8

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [16:0-1-8,Edge], [21:0-1-8,0-0-12]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.18	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.80	Vert(CT)	-0.25	16-17	>767	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.05	12	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 84 lb	FT = 20%F, 11%

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

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

REACTIONS. (lb/size) 20=694/Mechanical, 12=689/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1429/0, 3-4=-2321/0, 4-5=-2321/0, 5-6=-2597/0, 6-7=-2597/0, 7-8=-2310/0, 8-9=-2310/0, 9-10=-1431/0
BOT CHORD 19-20=0/862, 18-19=0/1972, 17-18=0/1972, 16-17=0/2547, 15-16=0/2597, 14-15=0/2597, 13-14=0/1970, 12-13=0/862
WEBS 2-20=-1081/0, 2-19=0/738, 3-19=-707/0, 3-17=0/446, 10-12=-1079/0, 10-13=0/741, 9-13=-701/0, 9-14=0/434, 7-14=-531/0, 5-17=-287/0, 5-16=-149/309

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 4x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	F5	Floor	12	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:04:59 2023 Page 1

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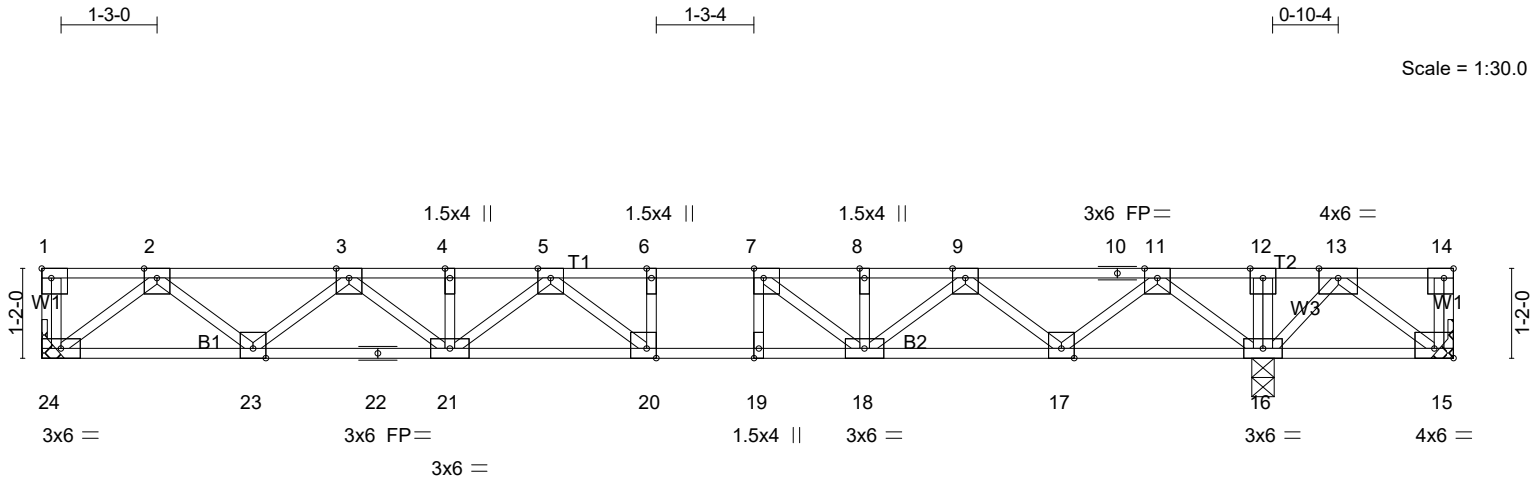

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [7:0-1-8,Edge], [14:0-1-8,Edge], [15:Edge,0-1-8], [20:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.25	Vert(LL)	-0.10	20-21	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.32	Vert(CT)	-0.15	20-21	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.02	16	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 98 lb	FT = 20%F, 11%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 16-17,15-16.

REACTIONS. (lb/size) 24=583/Mechanical, 15=-627/Mechanical, 16=1638/0-3-8 (min. 0-1-8)
Max Uplift15=-700(LC 3)
Max Grav24=584(LC 3), 16=1638(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1150/0, 3-4=-1777/0, 4-5=-1777/0, 5-6=-1702/0, 6-7=-1702/0, 7-8=-1180/0, 8-9=-1180/0, 11-12=0/1627, 12-13=0/1626
BOT CHORD 23-24=0/715, 22-23=0/1565, 21-22=0/1565, 20-21=0/1859, 19-20=0/1702, 18-19=0/1702, 17-18=0/718, 16-17=-653/0, 15-16=-939/0
WEBS 2-24=-897/0, 2-23=0/566, 3-23=-541/0, 3-21=0/271, 11-16=-1226/0, 11-17=0/907, 9-17=-872/0, 9-18=0/590, 7-18=-708/0, 5-20=-312/103, 13-15=0/1178, 13-16=-1067/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 4x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 700 lb uplift at joint 15.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	F6	Floor	9	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:04:59 2023 Page 1

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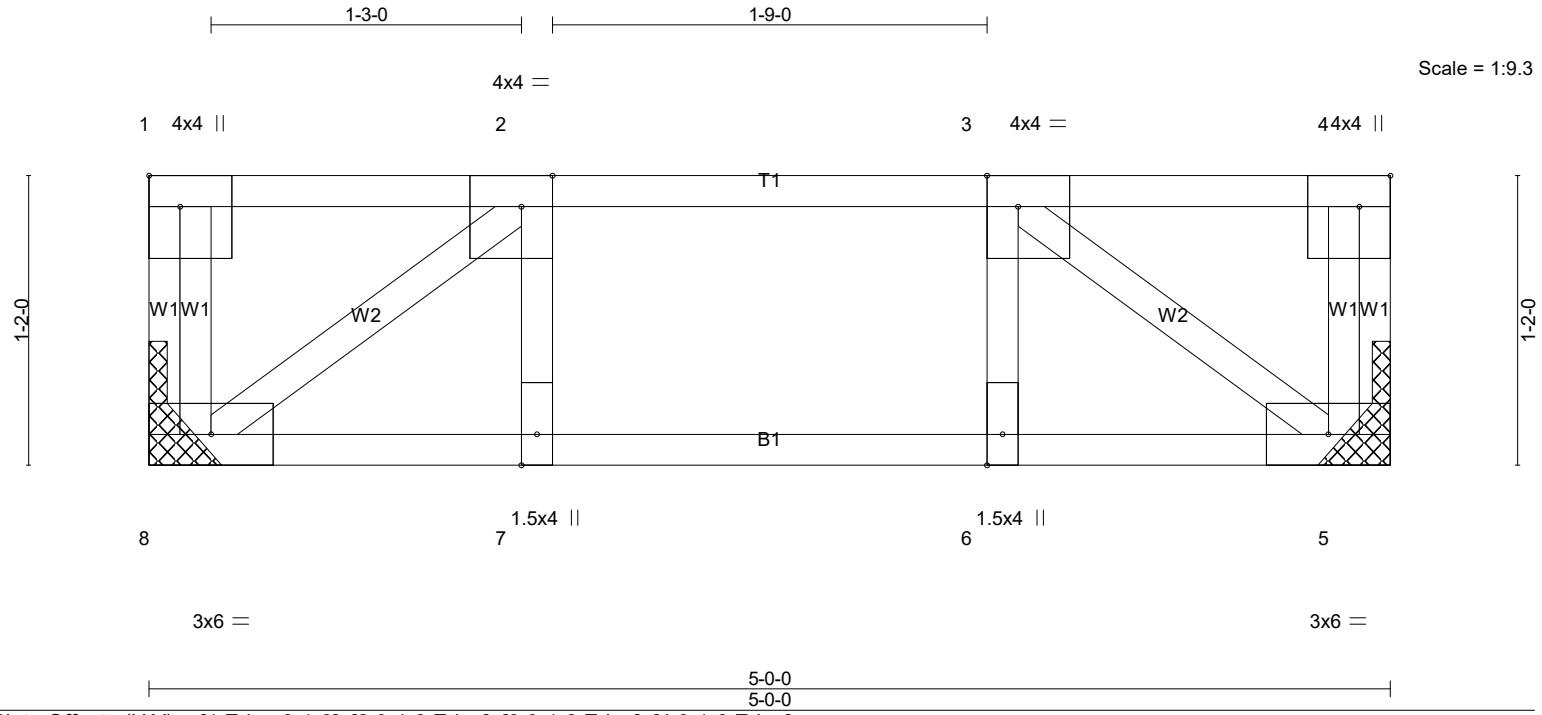

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-1-8,Edge], [3:0-1-8,Edge], [4:0-1-8,Edge]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.13	Vert(LL)	-0.01	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.11	Vert(CT)	-0.01	7	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 28 lb	FT = 20%F, 11%

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=209/Mechanical, 5=209/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-275/0, 3-5=-275/0

NOTES-

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	F7	Floor	2	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:04:59 2023 Page 1

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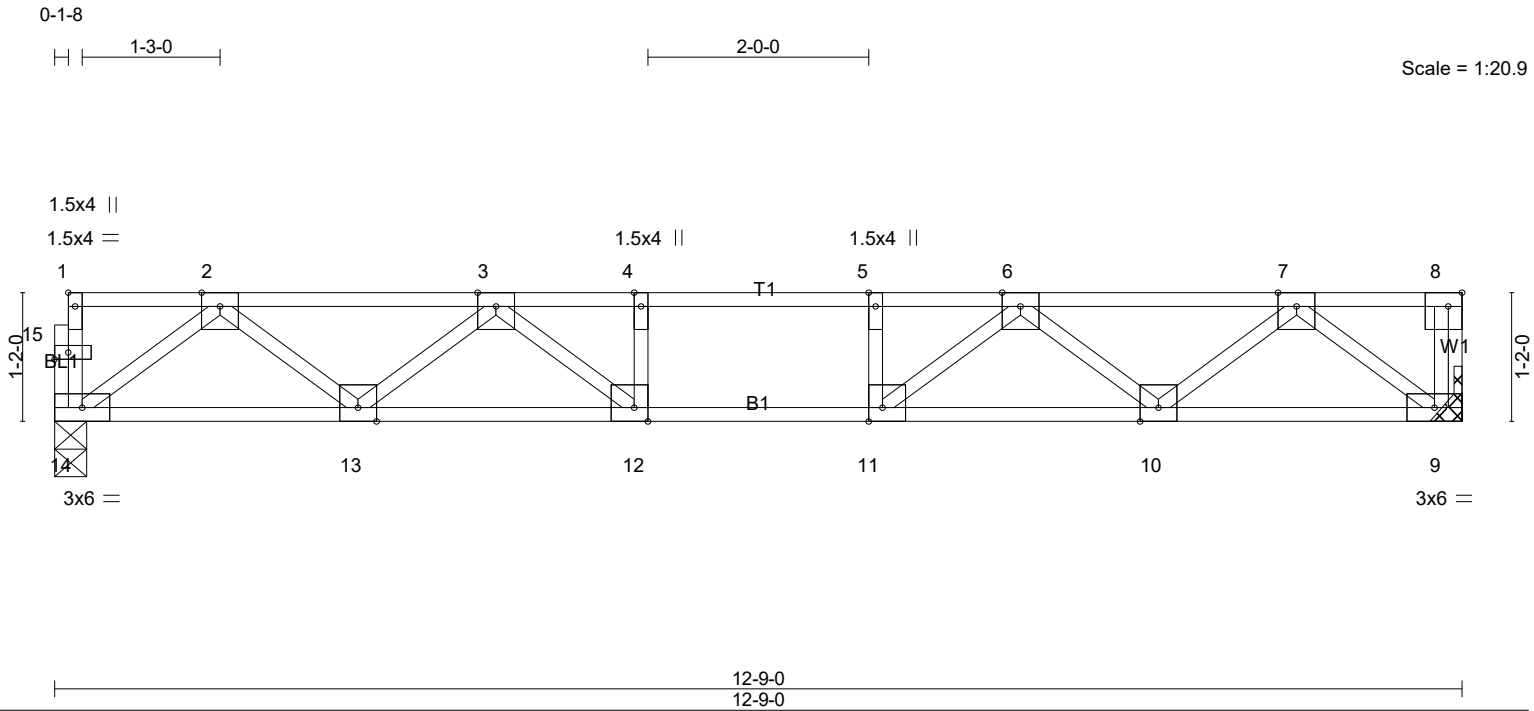

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [8:0-1-8,Edge], [11:0-1-8,Edge], [12:0-1-8,Edge], [15:0-1-8,0-0-12]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.17	Vert(LL)	-0.06	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.20	Vert(CT)	-0.08	10-11	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.02	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 64 lb	FT = 20%F, 11%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 14=545/0-3-8 (min. 0-1-8), 9=550/Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1066/0, 3-4=-1616/0, 4-5=-1616/0, 5-6=-1616/0, 6-7=-1066/0
BOT CHORD 13-14=0/672, 12-13=0/1431, 11-12=0/1616, 10-11=0/1431, 9-10=0/673
WEBS 2-14=-842/0, 2-13=0/512, 3-13=-476/0, 3-12=0/398, 7-9=-844/0, 7-10=0/511, 6-10=-475/0, 6-11=0/398

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 4x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	F8	Floor Supported Gable	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:00 2023 Page 1

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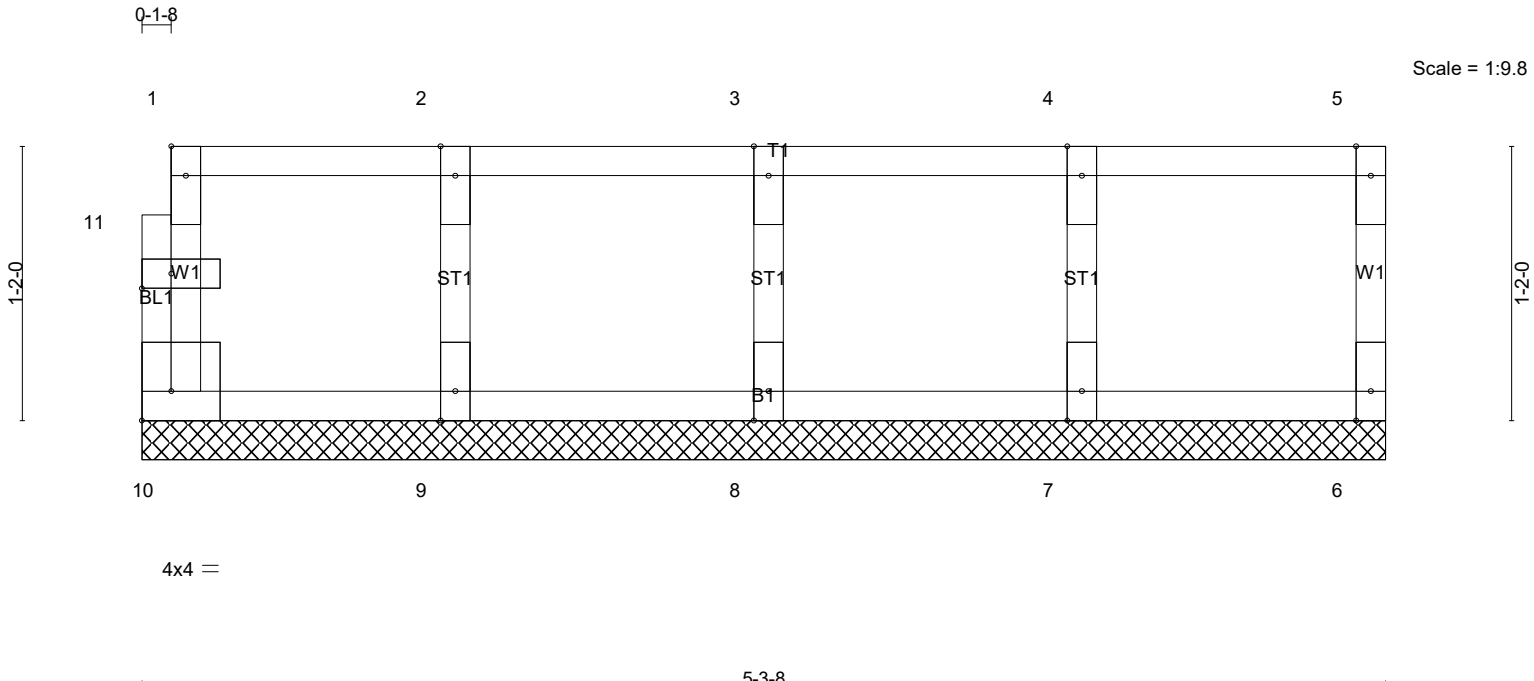

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [10:Edge,0-1-8], [11:0-1-8,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-R							Weight: 23 lb	FT = 20%F, 11%

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.3(flat)
OTHERS	2x4 SP No.3(flat)

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-3-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 5-3-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 10, 6, 9, 8, 7

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

NOTES-
1) All plates are 1.5x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
6) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	F9	Floor	5	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:00 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-zLgQ3hiu01PgeC589SNd2XMUekb5QO5_mlkY6dzvpbX

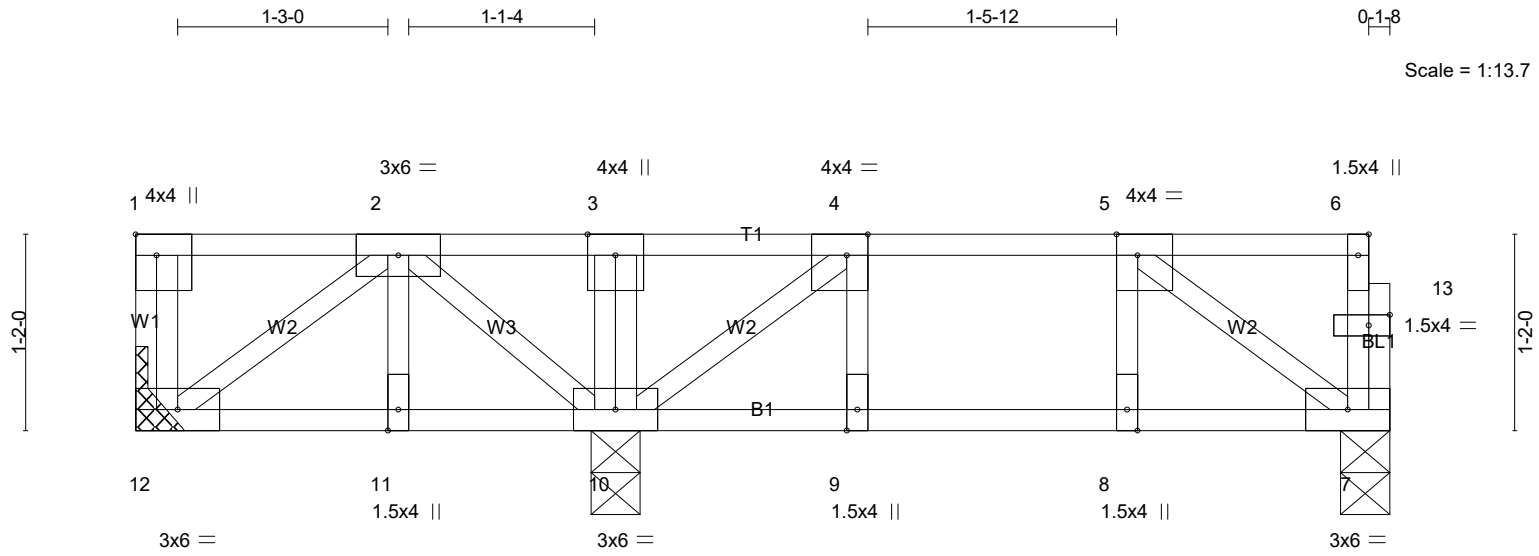

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [13:0-1-8,0-0-12]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	-0.00	8	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.08	Vert(CT)	-0.00	8	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	7	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-P							Weight: 43 lb	FT = 20%F, 11%

LUMBER-

TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING-

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

REACTIONS. (lb/size) 12=111/Mechanical, 7=186/0-3-8 (min. 0-1-8), 10=331/0-3-8 (min. 0-1-8)
Max Grav 12=136(LC 8), 7=187(LC 4), 10=353(LC 7)

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

NOTES-

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	F10	Floor	4	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:01 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-RXEoG1jWnLXXGMgKi9usblveV8x49rR7_OU5e4zvpbW

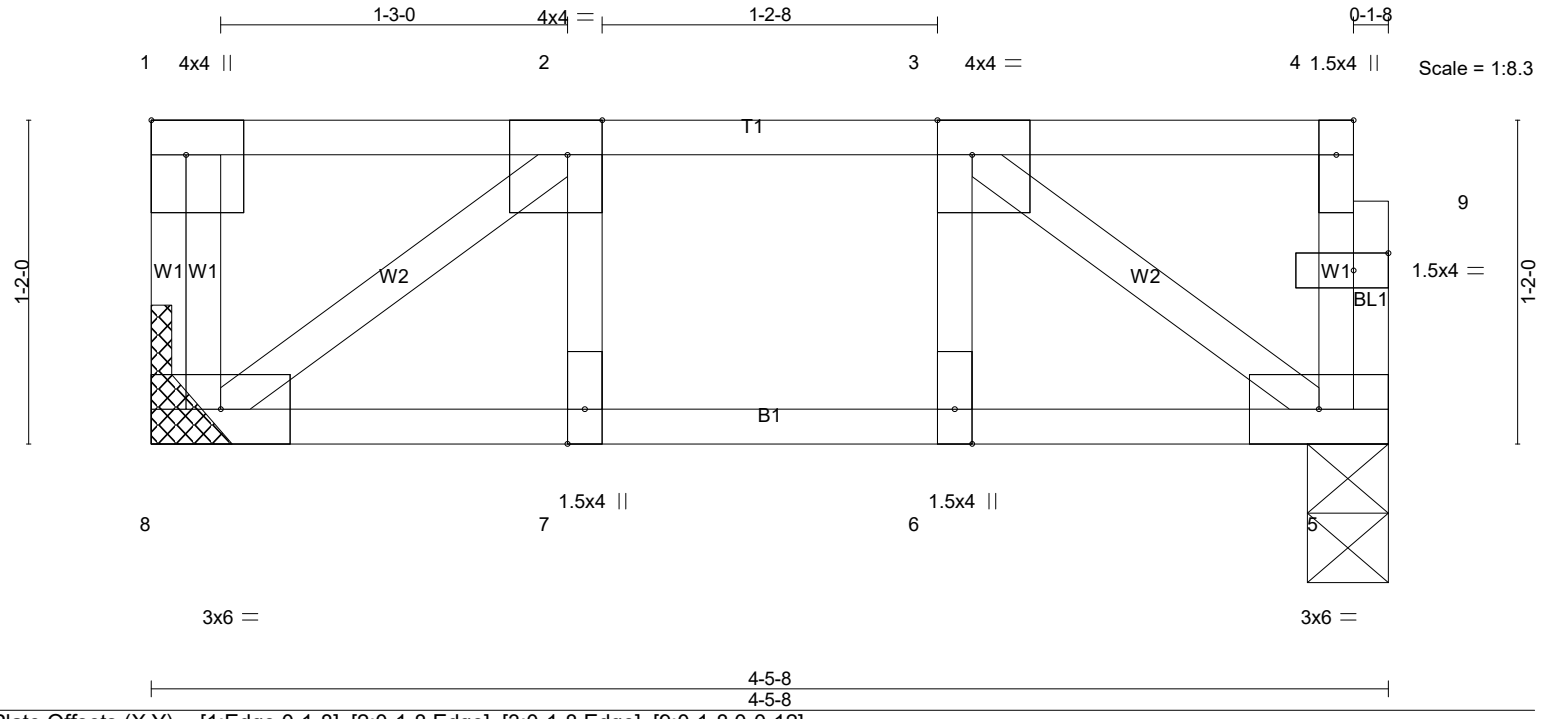

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [2:0-1-8,Edge], [3:0-1-8,Edge], [9:0-1-8,0-0-12]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.10	Vert(LL)	-0.00	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.09	Vert(CT)	-0.01	7	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	5	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 26 lb	FT = 20%F, 11%

LUMBER-

TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-5-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=185/Mechanical, 5=180/0-3-8 (min. 0-1-8)

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

NOTES-

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	F11	Floor	6	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:01 2023 Page 1

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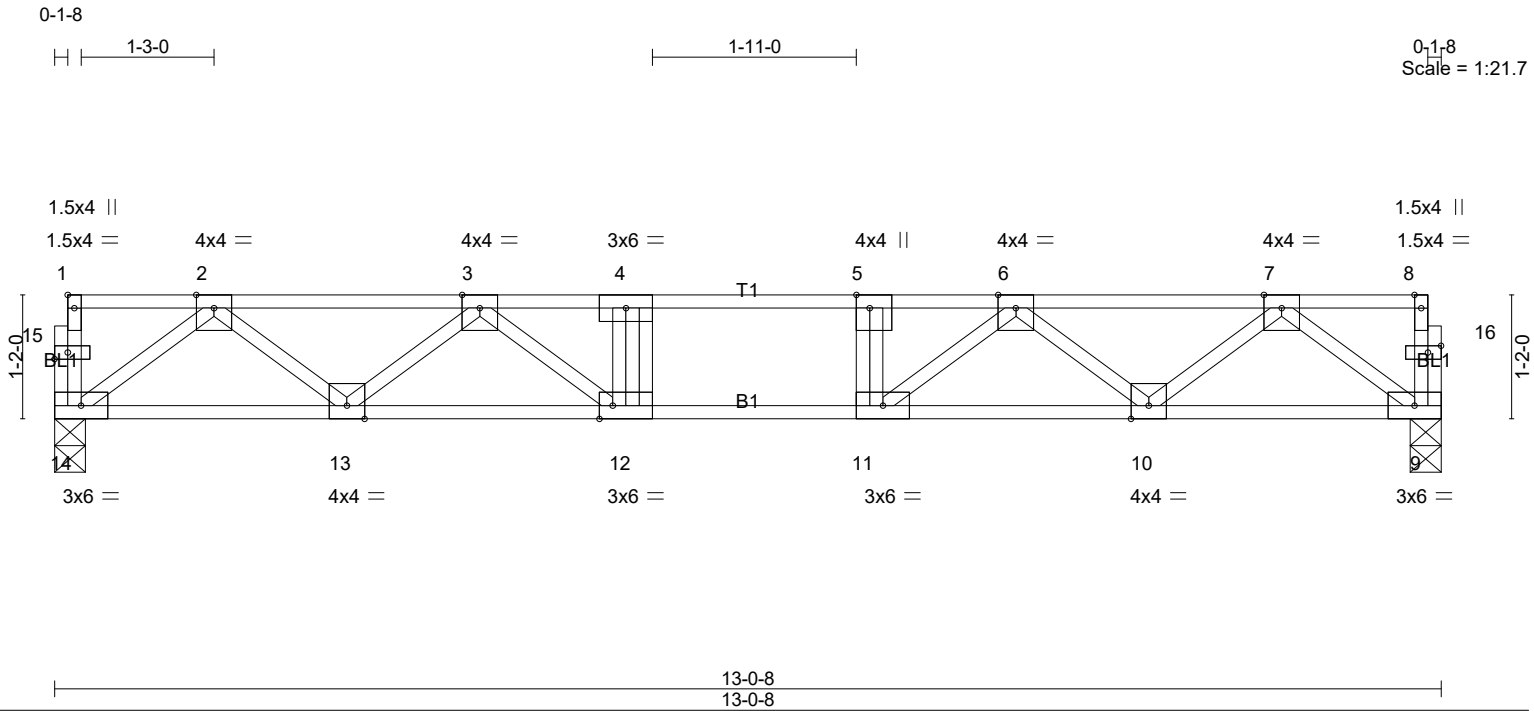

13-0-8
13-0-8

Plate Offsets (X,Y)-- [1:Edge,0-0-12], [5:0-1-8,Edge], [12:0-1-8,Edge], [15:0-1-8,0-0-12], [16:0-1-8,0-0-12]

LOADING (psf)		**SPACING-**	1-7-3	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.00	TC	0.20	Vert(LL)	-0.07	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.22	Vert(CT)	-0.09	12-13	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.02	9	n/a	n/a		
BCDL	5.0	Code IRC2018/TPI2014		Matrix-S							Weight: 69 lb	FT = 20%F, 11%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E(flat)
BOT CHORD 2x4 SP 2400F 2.0E(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) 14=557/0-3-8 (min. 0-1-8), 9=557/0-3-8 (min. 0-1-8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1098/0, 3-4=-1684/0, 4-5=-1692/0, 5-6=-1692/0, 6-7=-1097/0
BOT CHORD 13-14=0/689, 12-13=0/1478, 11-12=0/1692, 10-11=0/1478, 9-10=0/689
WEBS 2-14=-863/0, 2-13=0/532, 3-13=-495/0, 3-12=0/421, 7-9=-863/0, 7-10=0/531, 6-10=-496/0, 6-11=0/432

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	G1	GABLE	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:02 2023 Page 1

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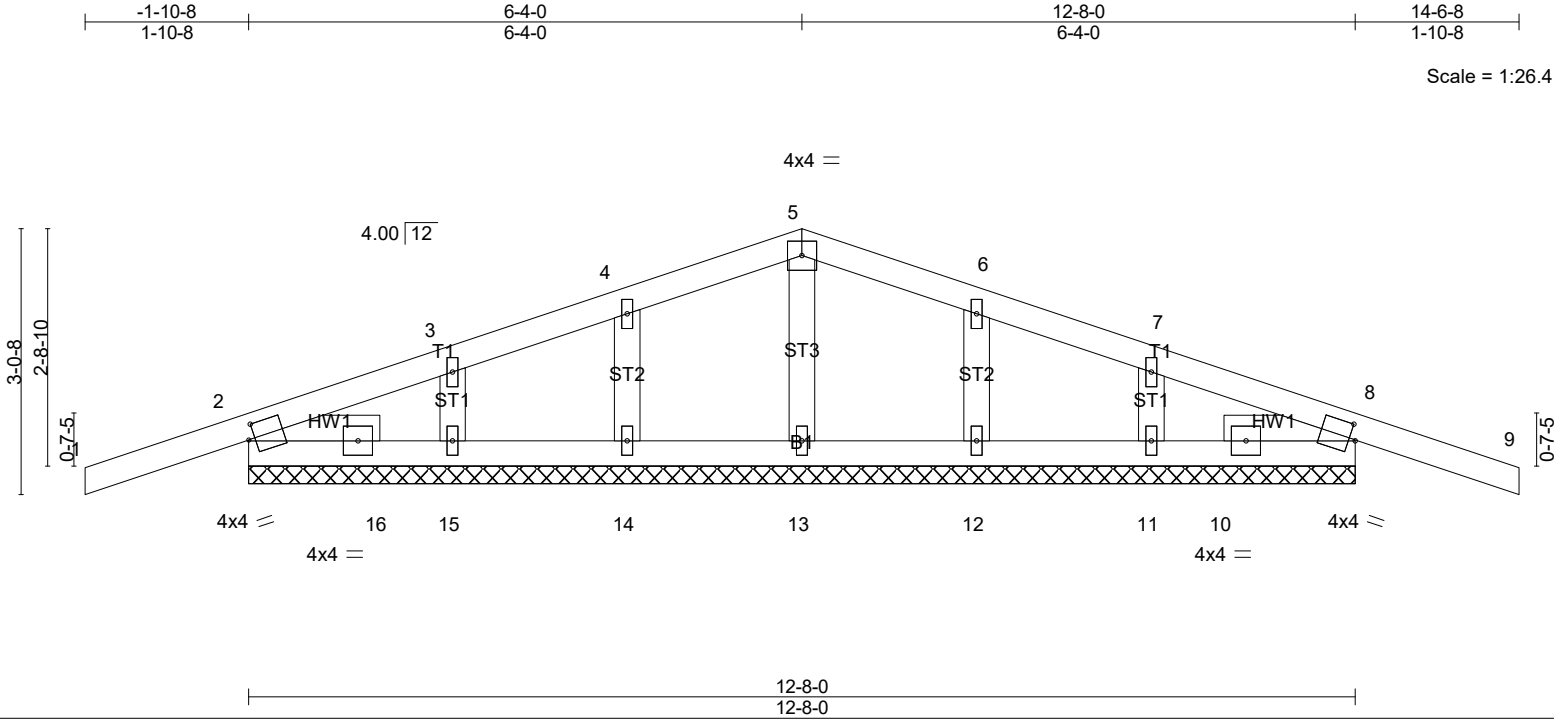

Plate Offsets (X,Y)-- [2:0-0-14,0-2-0], [8:0-0-14,0-2-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.01	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	-0.02	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 59 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 - 1-6-0, Right 2x4 SP No.3 -È 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. All bearings 12-8-0.
(lb) - Max Horz 2=-33(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 14, 12 except 2=-100(LC 8), 8=-100(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 13, 14, 15, 12, 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 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 12 except (jt=lb) 2=100, 8=100.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	G2	GABLE	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:02 2023 Page 1

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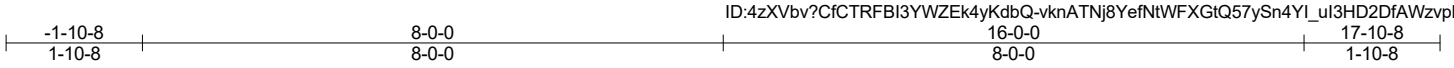
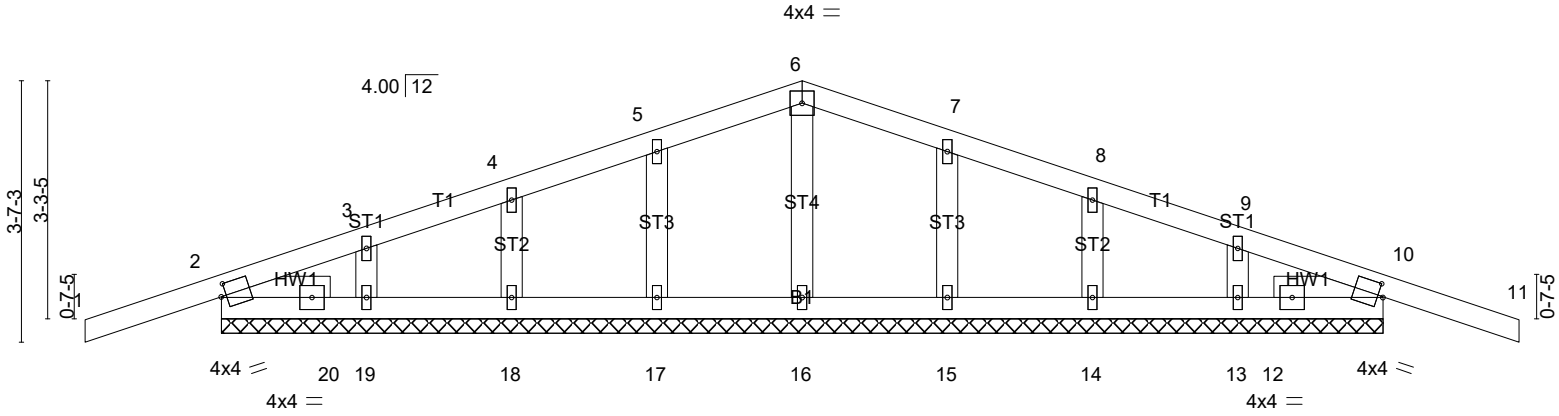


Scale: 3/8"=1'



16-0-0
16-0-0

Plate Offsets (X,Y)-- [2:0-0-14,0-2-0], [10:0-0-14,0-2-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.01	11	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	-0.02	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 76 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 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. All bearings 16-0-0.
(lb) - Max Horz 2=40(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 17, 18, 15, 14 except 2=-100(LC 8), 10=-100(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 16, 17, 18, 19, 15, 14, 13

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 18, 15, 14 except (jt=lb) 2=100, 10=100.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	G3	GABLE	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:03 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-NwLYhikmJynEVfqjqaxKgA_yUxahdjpQSizCjyzvpbU

-1-10-8	5-6-12	10-10-0	16-1-4	21-8-0	23-6-8
1-10-8	5-6-12	5-3-4	5-3-4	5-6-12	1-10-8

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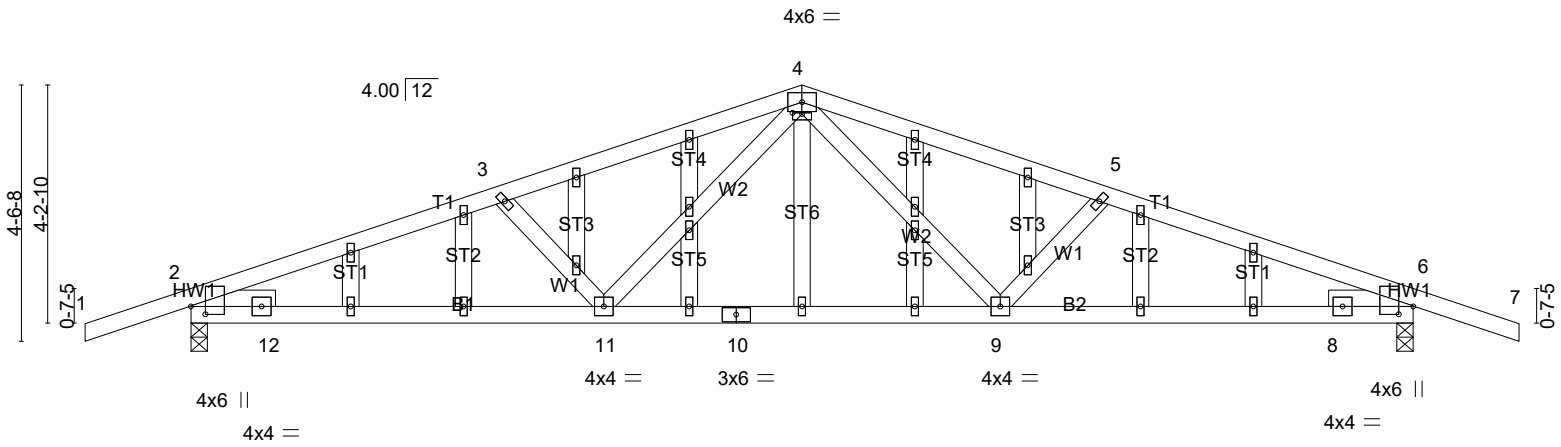


7-3-13	14-4-3	21-8-0
7-3-13	7-0-5	7-3-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.08	9-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.18	9-11	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.06	9-11	>999	240	Weight: 126 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP 2400F 2.0E
BOT CHORD	2x4 SP 2400F 2.0E
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=979/0-3-8 (min. 0-1-8), 6=979/0-3-8 (min. 0-1-8)
Max Horz 2=-52(LC 6)
Max Uplift2=-131(LC 8), 6=-131(LC 8)

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

TOP CHORD	2-3=-1781/146, 3-4=-1591/128, 4-5=-1591/128, 5-6=-1781/146
BOT CHORD	2-12=-52/853, 11-12=-67/1639, 10-11=-15/1183, 9-10=-15/1183, 8-9=-67/1639, 6-8=-52/853
WEBS	3-11=-292/98, 4-11=0/454, 4-9=0/454, 5-9=-292/98

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=131, 6=131.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	G3	GABLE	1	1	Job Reference (optional)

LOAD CASE(S) Standard

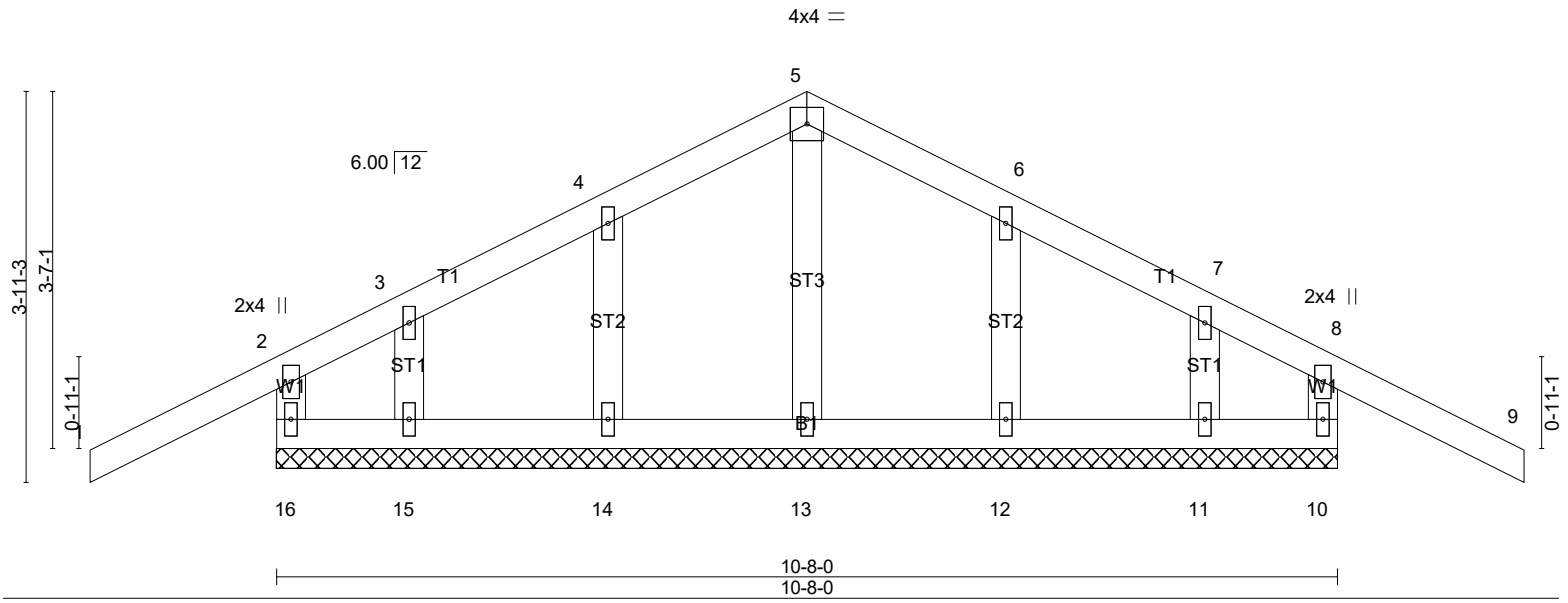
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	G4	Common Supported Gable	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:03 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-NwLYhikmJynEVfqjqaxKgA_x_xeXdl4QSizCjyzvpbU

-1-10-8	5-4-0	10-8-0	12-6-8
1-10-8	5-4-0	5-4-0	1-10-8

Scale = 1:23.2



LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.02	9	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.04	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 55 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 10-0-0 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 10-8-0.

(lb) - Max Horz 16=93(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) 14, 15, 12, 11 except 16=-111(LC 8), 10=-111(LC 8)

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-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 15 , 12, 11 except (jt=lb) 16=111, 10=111.
11) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	G5	Common Supported Gable	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:04 2023 Page 1

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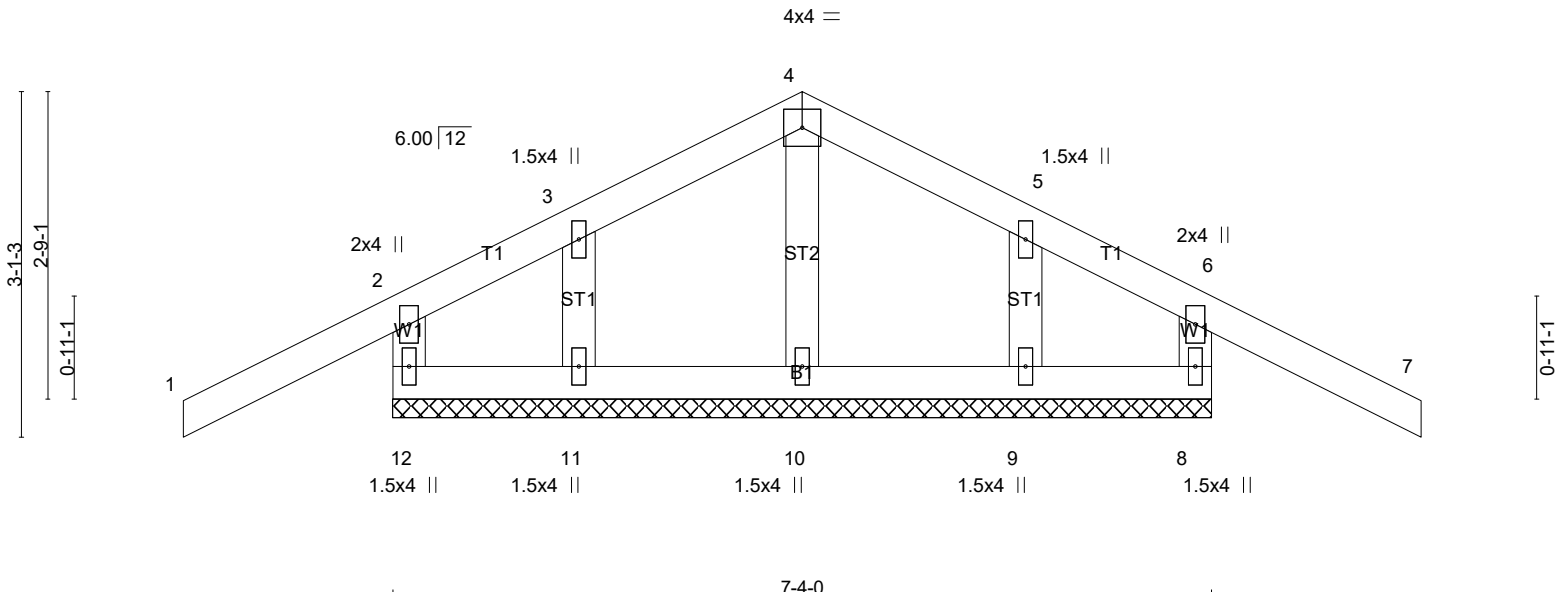
-1-10-8 / 1-10-8 | 3-8-0 / 3-8-0 | 7-4-0 / 3-8-0 | 9-2-8 / 1-10-8

Scale = 1:20.6



7-4-0 / 7-4-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.03	7	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.04	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-R							Weight: 38 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 7-4-0 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 7-4-0.

(lb) - Max Horz 12=77(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) 11, 9 except 12=-101(LC 8), 8=-101(LC 8)

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-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 9 except (jt=lb) 12=101, 8=101.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	G6	GABLE	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:04 2023 Page 1

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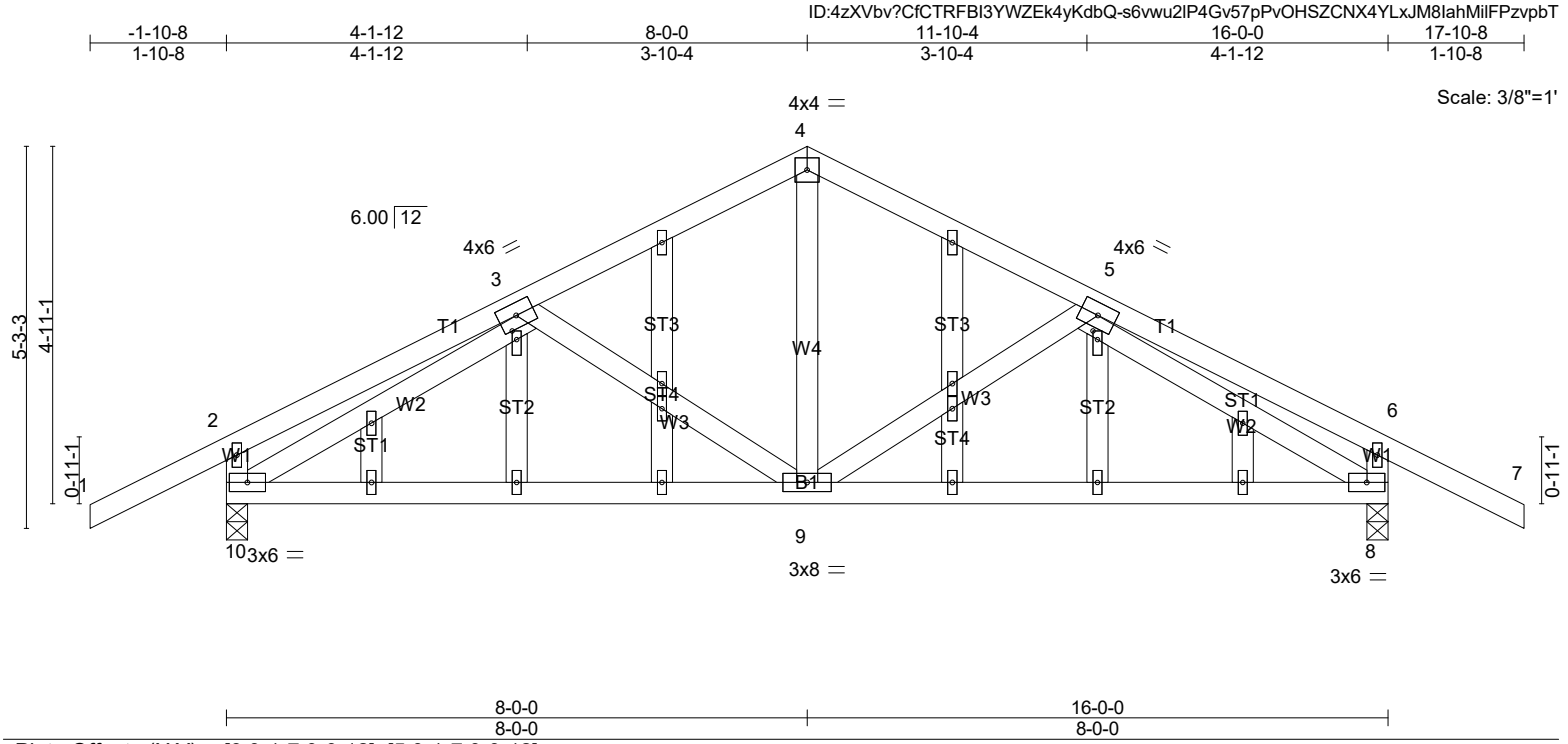

Plate Offsets (X,Y)-- [3:0-1-7,0-0-12], [5:0-1-7,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.05	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.10	8-9	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.01	9	>999	240	Weight: 110 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 10=750/0-3-8 (min. 0-1-8), 8=750/0-3-8 (min. 0-1-8)
Max Horz 10=-119(LC 6)
Max Uplift10=-118(LC 8), 8=-118(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-663/75, 4-5=-663/75, 2-10=-305/93, 6-8=-305/93
BOT CHORD 9-10=0/651, 8-9=0/651
WEBS 4-9=0/365, 3-10=-661/119, 5-8=-661/119

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=118, 8=118.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	GR1	Common Girder	1	2	Job Reference (optional)

C&R Building Supply, Autryville NC — 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:05 2023 Page 1

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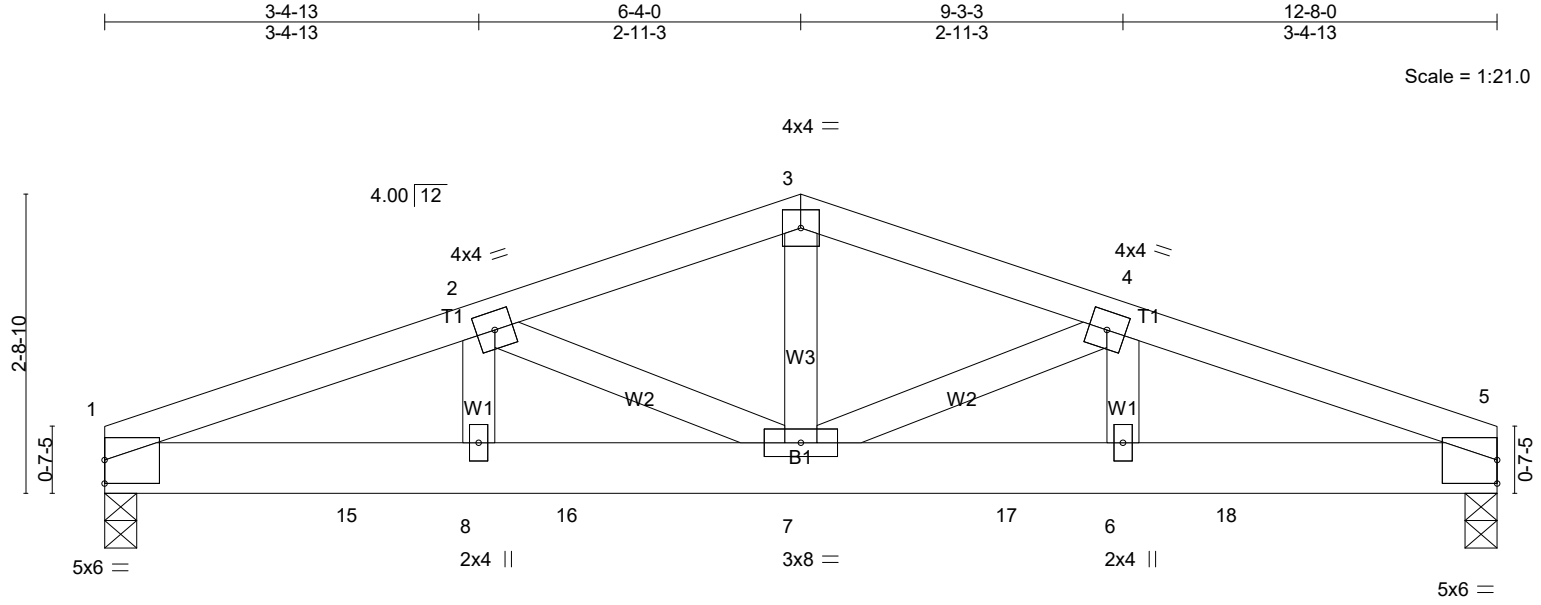

Plate Offsets (X,Y)-- [1:0-0-0,0-2-9], [5:Edge,0-2-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.04	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.47	Vert(CT)	-0.09	7-8	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.40	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.03	7	>999	240	Weight: 128 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=2439/0-3-8 (min. 0-1-8), 5=4318/0-3-8 (min. 0-2-9)
Max Horz 1=-26(LC 25)
Max Uplift1=-176(LC 8), 5=-428(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4054/317, 2-3=-3421/284, 3-4=-3426/284, 4-5=-4658/389
BOT CHORD 1-15=-275/3801, 8-15=-275/3801, 8-16=-275/3801, 7-16=-275/3801, 7-17=-346/4399, 6-17=-346/4399, 6-18=-346/4399, 5-18=-346/4399
WEBS 3-7=-125/1924, 4-7=-1324/145, 4-6=-69/794, 2-7=-664/67, 2-8=-22/400

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=176, 5=428.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 526 lb down and 37 lb up at 0-0-0, 519 lb down and 45 lb up at 2-3-4, 519 lb down and 45 lb up at 4-3-4, 519 lb down and 45 lb up at 6-3-4, 519 lb down and 45 lb up at 8-3-4, and 519 lb down and 45 lb up at 10-3-4, and 2622 lb down and 316 lb up at 12-2-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-5=-60, 9-12=-20
   Concentrated Loads (lb)
      Vert: 7=-519(B) 9=-526(B) 14=-2622(B) 15=-519(B) 16=-519(B) 17=-519(B) 18=-519(B)

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	GR2	Common Girder	1	2	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:06 2023 Page 1

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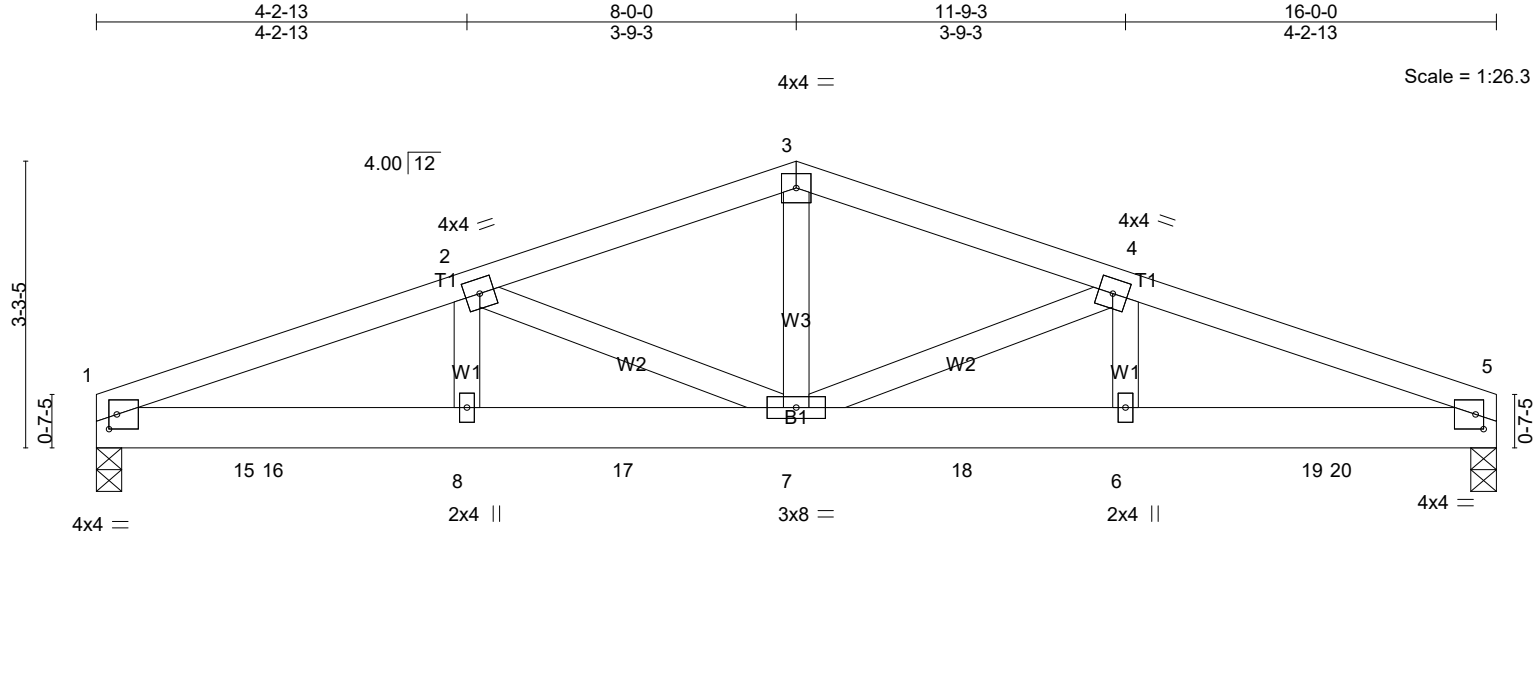

Plate Offsets (X,Y)-- [1:0-1-1,0-2-0], [5:0-1-1,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	-0.06	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.11	6-7	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.34	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.04	6-7	>999	240	Weight: 163 lb	FT = 20%

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

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

REACTIONS. (lb/size) 1=1983/0-3-8 (min. 0-1-8), 5=1983/0-3-8 (min. 0-1-8)
Max Horz 1=-33(LC 6)
Max Uplift1=-184(LC 8), 5=-184(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4017/399, 2-3=-3048/324, 3-4=-3048/324, 4-5=-4017/399
BOT CHORD 1-15=-347/3769, 15-16=-347/3769, 8-16=-347/3769, 8-17=-347/3769, 7-17=-347/3769, 7-18=-347/3769, 6-18=-347/3769, 6-19=-347/3769, 19-20=-347/3769, 5-20=-347/3769
WEBS 3-7=-135/1657, 4-7=-1027/118, 4-6=-34/530, 2-7=-1027/118, 2-8=-34/530

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=184, 5=184.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

NOTES-

9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 285 lb down and 27 lb up at 1-8-12, 302 lb down and 41 lb up at 2-0-12, 302 lb down and 41 lb up at 4-0-12, 302 lb down and 41 lb up at 6-0-12, 302 lb down and 41 lb up at 8-0-0, 302 lb down and 41 lb up at 9-11-4, 302 lb down and 41 lb up at 11-11-4, and 302 lb down and 41 lb up at 13-11-4, and 285 lb down and 27 lb up at 14-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-5=-60, 9-12=-20
   Concentrated Loads (lb)
      Vert: 6=-302(B) 7=-302(B) 8=-302(B) 15=-285(B) 16=-302(B) 17=-302(B) 18=-302(B) 19=-302(B) 20=-285(B)

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	GR3	Common Girder	1	2	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:07 2023 Page 1

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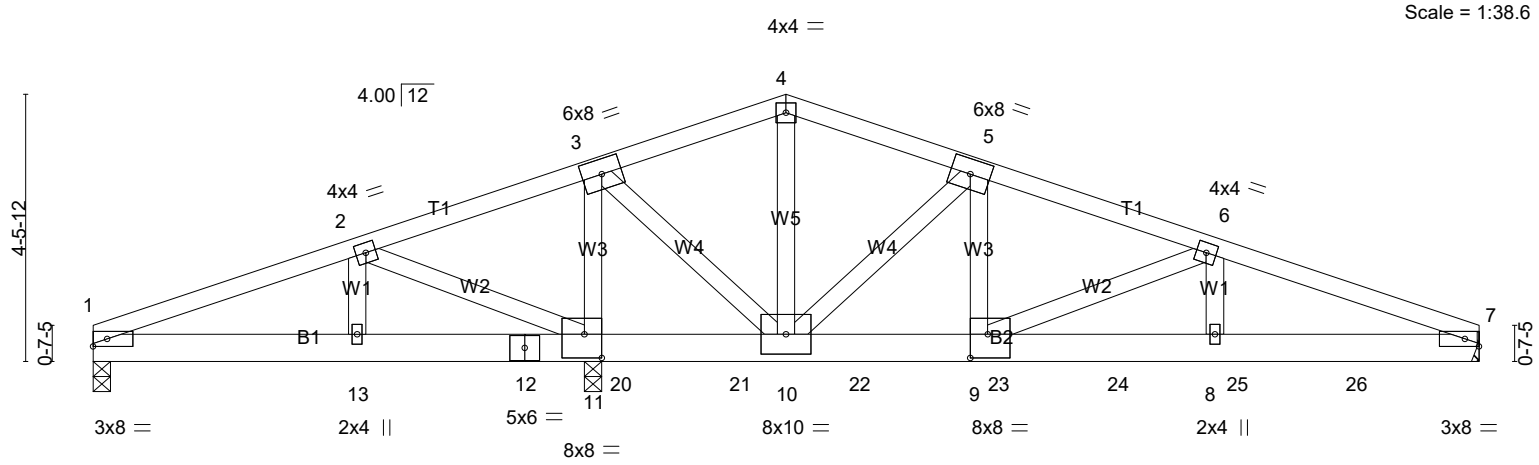
4-5-2	8-4-10	11-7-7	14-10-4	18-9-11	23-2-14
4-5-2	3-11-7	3-2-13	3-2-13	3-11-7	4-5-2

Scale = 1:38.6



4-5-2	8-4-10	11-7-7	14-10-4	18-9-11	23-2-14
4-5-2	3-11-7	3-2-13	3-2-13	3-11-7	4-5-2

Plate Offsets (X,Y)-- [9:0-3-8,0-4-12], [11:0-3-8,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.51	Vert(LL)	-0.09	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.67	Vert(CT)	-0.17	8-9	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.95	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.07	8-9	>999	240	Weight: 264 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3 *Except*
W4: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 1=-662/0-3-8 (min. 0-1-8), 7=2636/Mechanical, 11=7758/0-3-8 (req. 0-4-9)
Max Horz 1=-47(LC 6)
Max Uplift1=-804(LC 20), 7=-301(LC 8), 11=-885(LC 8)
Max Grav 1=216(LC 6), 7=2637(LC 20), 11=7758(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-370/2317, 2-3=-314/2712, 3-4=-2242/320, 4-5=-2243/320, 5-6=-6270/834, 6-7=-6349/772
BOT CHORD 1-13=-2171/385, 12-13=-2171/385, 11-12=-2171/385, 11-20=-2542/356, 20-21=-2542/356, 10-21=-2542/356, 10-22=-720/5929, 9-22=-720/5929, 9-23=-698/5962, 23-24=-698/5962, 8-24=-698/5962, 8-25=-698/5962, 25-26=-698/5962, 7-26=-698/5962
WEBS 4-10=-193/1287, 5-10=-5246/718, 5-9=-580/4601, 6-9=-370/265, 3-10=-756/6340, 3-11=-6090/780, 2-11=-581/82

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

Continued on page 2

NOTES-

7) WARNING: Required bearing size at joint(s) 11 greater than input bearing size.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=804, 7=301, 11=885.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1123 lb down and 106 lb up at 8-10-2, 1123 lb down and 106 lb up at 10-10-2, 1243 lb down and 175 lb up at 12-10-2, 3701 lb down and 553 lb up at 14-9-6, 285 lb down and 27 lb up at 15-2-2, and 204 lb down and 24 lb up at 17-2-2, and 134 lb down and 22 lb up at 19-2-2 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-4=-60, 4-7=-60, 14-17=-20
   Concentrated Loads (lb)
      Vert: 9=-3701 20=-1123(B) 21=-1123(B) 22=-1243 23=-285(B) 24=-204 25=-134 26=-59

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	GR4	Common Girder	1	2	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:07 2023 Page 1

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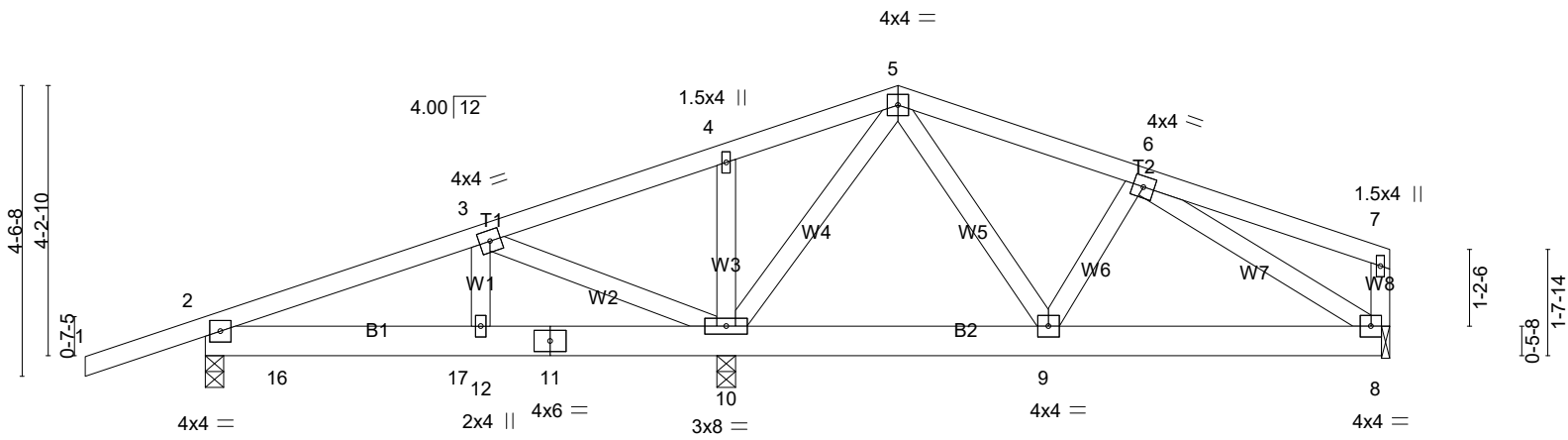
-1-10-8	4-3-11	8-1-12	10-10-0	14-6-6	18-6-4
1-10-8	4-3-11	3-10-1	2-8-4	3-8-6	3-11-14

Scale = 1:35.7



4-3-11	8-1-12	13-2-4	18-6-4
4-3-11	3-10-1	5-0-8	5-4-0

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.01	12-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	-0.01	12-15	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.09	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.00	12-15	>999	240	Weight: 222 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 9-10.

REACTIONS. (lb/size) 2=725/0-3-8 (min. 0-1-8), 10=997/0-3-8 (min. 0-1-8), 8=334/0-1-8 (min. 0-1-8)
Max Horz 2=88(LC 7)
Max Uplift 2=-99(LC 8), 10=-63(LC 8), 8=-28(LC 34)
Max Grav 2=733(LC 19), 10=997(LC 1), 8=364(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-534/1, 3-4=-6/264, 5-6=-319/65
BOT CHORD 2-16=-1/477, 16-17=-1/477, 12-17=-1/477, 11-12=-1/477, 10-11=-1/477, 8-9=-23/335
WEBS 3-12=0/281, 3-10=-734/35, 5-10=-491/31, 5-9=-5/280, 6-8=-356/22

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
7) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 8.

Continued on page 2

NOTES-

10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 358 lb down and 30 lb up at 1-1-8, and 116 lb down and 56 lb up at 3-11-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-5=-60, 5-7=-60, 8-13=-20
   Concentrated Loads (lb)
      Vert: 16=-358(B) 17=-116(B)

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	GR5	Common Girder	1	2	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:08 2023 Page 1

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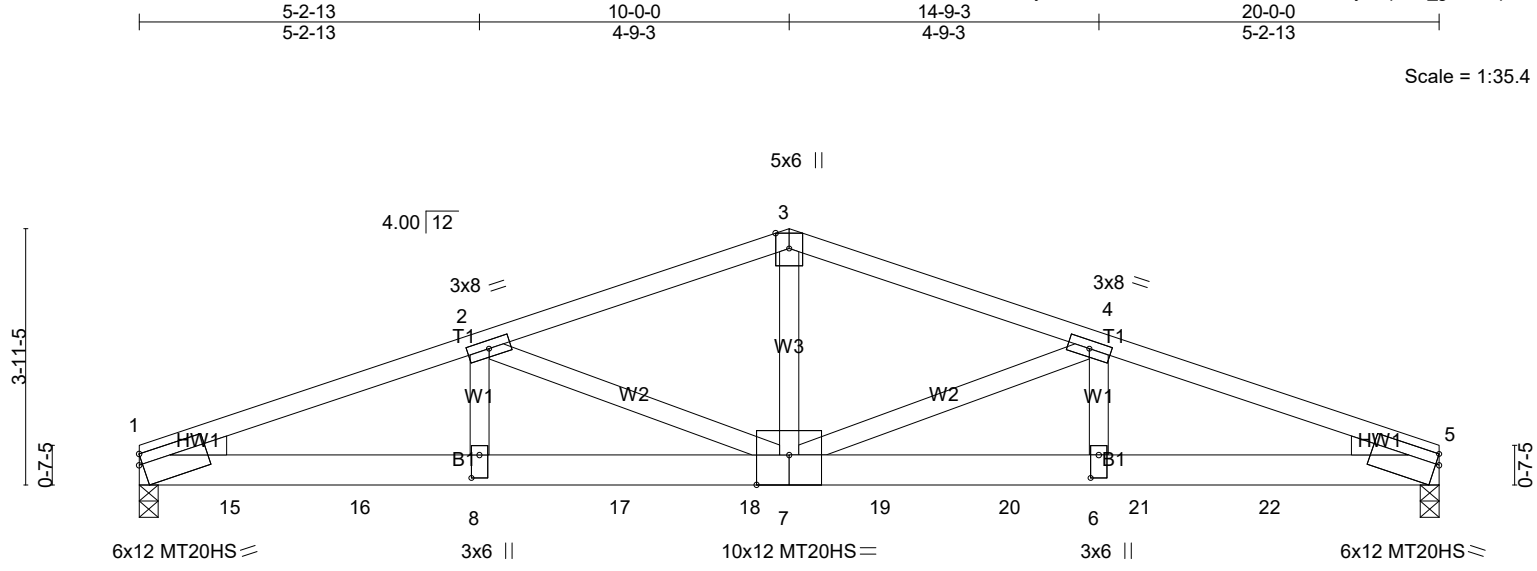

Plate Offsets (X,Y)-- [1:Edge,0-2-0], [5:Edge,0-2-0], [6:0-4-4,0-1-8], [7:0-6-0,Edge], [8:0-4-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.21	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.81	Vert(CT)	-0.41	6-7	>579	360	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.09	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.16	6-7	>999	240	Weight: 209 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
W3: 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=7206/0-3-8 (min. 0-3-0), 5=7631/0-3-8 (min. 0-3-3)
Max Horz 1=41(LC 26)
Max Uplift1=-669(LC 8), 5=-658(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-15306/1366, 2-3=-11435/1026, 3-4=-11434/1025, 4-5=-15187/1332
BOT CHORD 1-15=-1257/14449, 15-16=-1257/14449, 8-16=-1257/14449, 8-17=-1257/14449, 17-18=-1257/14449, 7-18=-1257/14449, 7-19=-1224/14332, 19-20=-1224/14332, 6-20=-1224/14332, 6-21=-1224/14332, 21-22=-1224/14332, 5-22=-1224/14332
WEBS 3-7=-554/6797, 4-7=-3834/363, 4-6=-179/2527, 2-7=-3960/399, 2-8=-200/2599

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 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

Continued on page 2

NOTES-

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=669, 5=658.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1429 lb down and 189 lb up at 1-4-12, 1310 lb down and 121 lb up at 3-4-12, 1310 lb down and 121 lb up at 5-4-12, 1310 lb down and 121 lb up at 7-4-12, 1310 lb down and 121 lb up at 9-4-12, 1310 lb down and 121 lb up at 11-4-12, 1313 lb down and 123 lb up at 13-4-12, 1313 lb down and 123 lb up at 15-4-12, and 1313 lb down and 123 lb up at 17-4-12, and 1317 lb down and 119 lb up at 19-4-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-5=-60, 9-12=-20
   Concentrated Loads (lb)
      Vert: 8=-1310(F) 14=-1317(F) 15=-1429(F) 16=-1310(F) 17=-1310(F) 18=-1310(F) 19=-1310(F) 20=-1313(F) 21=-1313(F) 22=-1313(F)

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	H1	HIP	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:09 2023 Page 1

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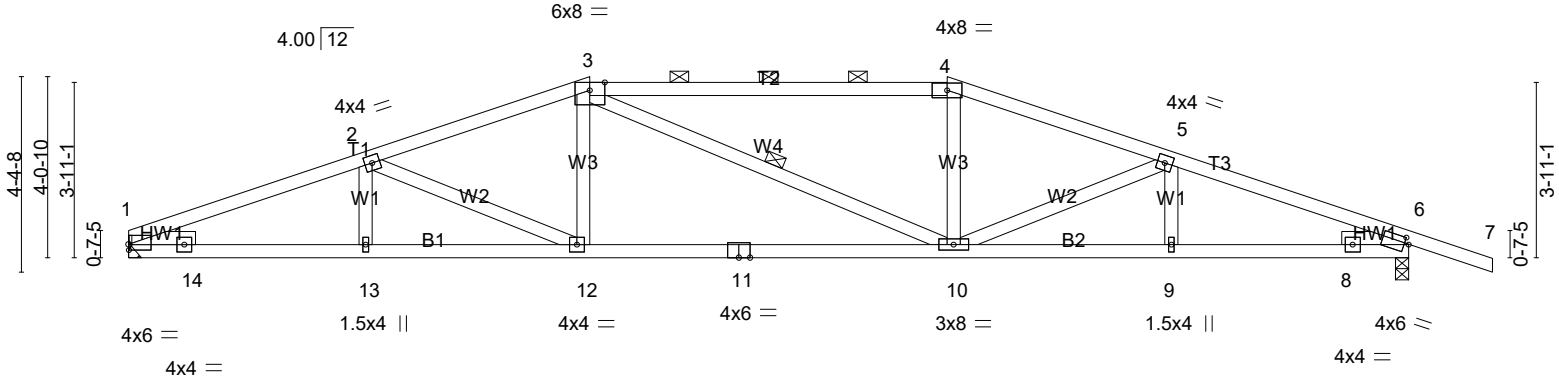
5-3-12	10-4-0	18-4-0	23-4-4	28-8-0	30-6-8
5-3-12	5-0-4	8-0-0	5-0-4	5-3-12	1-10-8

Scale = 1:51.6



5-3-12	10-4-0	18-4-0	23-4-4	28-8-0
5-3-12	5-0-4	8-0-0	5-0-4	5-3-12

Plate Offsets (X,Y)-- [1:0-0-1,0-1-10], [6:0-1-2,0-1-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.12	10-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.29	10-12	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.07	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.08	9-10	>999	240	Weight: 138 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-9-8 max.): 3-4.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-10

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

REACTIONS. (lb/size) 1=1143/Mechanical, 6=1263/0-3-8 (min. 0-1-8)
Max Horz 1=-53(LC 6)
Max Uplift1=-86(LC 8), 6=-155(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2528/212, 2-3=-2268/202, 3-4=-2121/208, 4-5=-2261/197, 5-6=-2484/188
BOT CHORD 1-14=-125/1252, 13-14=-133/2343, 12-13=-133/2343, 11-12=-82/2127, 10-11=-82/2127, 9-10=-108/2299, 8-9=-108/2299, 6-8=-43/1115
WEBS 2-12=-251/58, 3-12=0/369, 4-10=0/366

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
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) 1 except (jt=lb) 6=155.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Continued on page 2

NOTES-

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	H2	HIP GIRDER	1	2	Job Reference (optional)

C&R Building Supply, Autryville NC — 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:10 2023 Page 1

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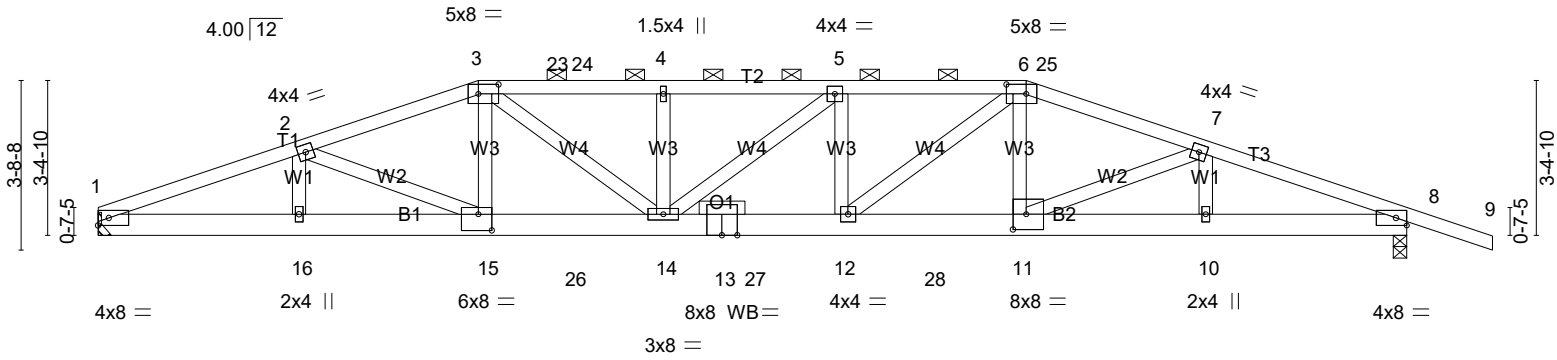
4-4-13	8-4-0	12-4-9	16-3-7	20-4-0	24-3-3	28-8-0	30-6-8
4-4-13	3-11-3	4-0-9	3-10-13	4-0-9	3-11-3	4-4-13	1-10-8

Scale = 1:50.5



4-4-13	8-4-0	12-4-9	16-3-7	20-4-0	24-3-3	28-8-0
4-4-13	3-11-3	4-0-9	3-10-13	4-0-9	3-11-3	4-4-13

Plate Offsets (X,Y)-- [3:0-5-4,0-2-8], [6:0-5-4,0-2-8], [11:0-3-8,0-4-0], [15:0-3-8,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.29	12-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.99	Vert(CT)	-0.58	12-14	>598	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.39	Horz(CT)	0.09	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.24	12-14	>999	240	Weight: 335 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.1 *Except*
B2: 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-3-10 oc purlins, except
2-0-0 oc purlins (3-4-13 max.): 3-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=3575/Mechanical, 8=3721/0-3-8 (min. 0-1-9)
Max Horz 1=-46(LC 6)
Max Uplift1=-451(LC 8), 8=-533(LC 8)

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

TOP CHORD 1-2=-8773/1140, 2-3=-9559/1283, 3-23=-10308/1382, 23-24=-10308/1382, 4-24=-10308/1382, 4-5=-10308/1382, 5-25=-10361/1397, 6-25=-10361/1397, 6-7=-9607/1313, 7-8=-8755/1137

BOT CHORD 1-16=-1017/8251, 15-16=-1017/8251, 15-26=-1128/9139, 14-26=-1128/9139, 13-14=-1284/10361, 13-27=-1284/10361, 12-27=-1284/10361, 12-28=-1157/9183, 11-28=-1157/9183, 10-11=-1014/8239, 8-10=-1014/8239

WEBS 2-16=-685/146, 2-15=-256/1064, 3-15=-226/1870, 3-14=-175/1552, 5-12=-250/94, 6-12=-159/1558, 6-11=-247/1894, 7-11=-245/1092, 7-10=-746/168

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 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

NOTES-

7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=451, 8=533.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1629 lb down and 273 lb up at 8-4-0, 314 lb down and 49 lb up at 10-4-12, 314 lb down and 49 lb up at 12-4-12, 314 lb down and 49 lb up at 14-4-0, 314 lb down and 49 lb up at 16-3-4, and 314 lb down and 49 lb up at 18-3-4, and 1694 lb down and 306 lb up at 20-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-6=-60, 6-9=-60, 17-20=-20
   Concentrated Loads (lb)
   Vert: 15=-1629(B) 14=-314(B) 12=-314(B) 11=-1694(B) 26=-314(B) 27=-314(B) 28=-314(B)

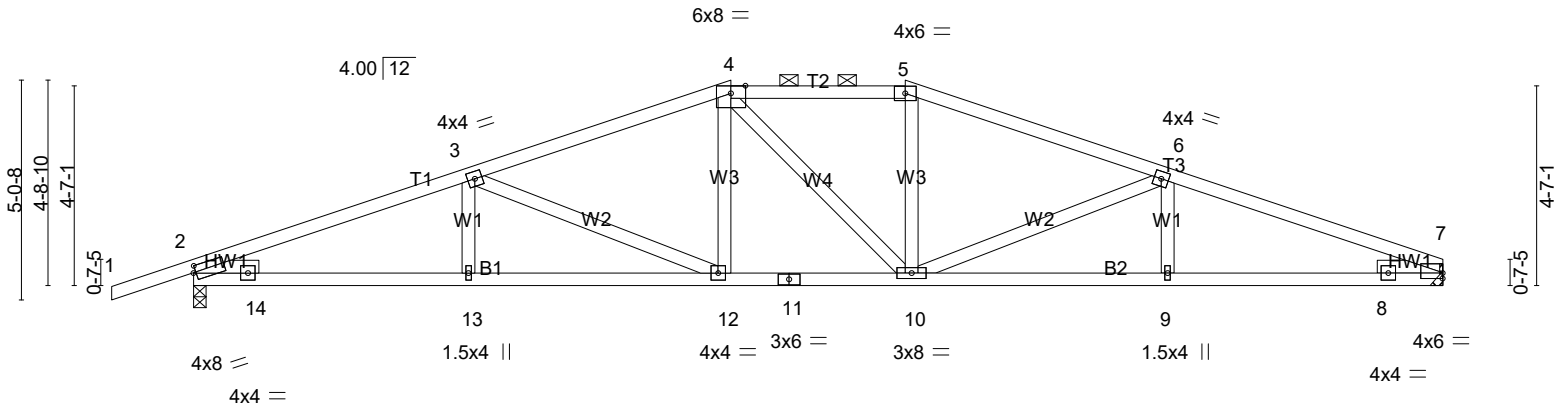
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	HP1	Hip	2	1	Job Reference (optional)

C&R Building Supply, Autryville NC — 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:10 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-gGGC96p9g6gFrks3kYZzSen8cmx1mqtS3I94S2zvpbN

-1-10-8	6-3-12	12-4-0	16-4-0	22-4-4	28-8-0
1-10-8	6-3-12	6-0-4	4-0-0	6-0-4	6-3-12

Scale = 1:52.9



6-3-12	12-4-0	16-4-0	22-4-4	28-8-0
6-3-12	6-0-4	4-0-0	6-0-4	6-3-12

Plate Offsets (X,Y)-- [2:0-0-11,0-1-14], [7:0-0-1,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.12	12-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.42	Vert(CT)	-0.25	12-13	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.07	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.09	12-13	>999	240	Weight: 140 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-11-14 max.): 4-5.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 7=1143/Mechanical, 2=1263/0-3-8 (min. 0-1-8)
Max Horz 2=62(LC 7)
Max Uplift7=-86(LC 8), 2=-155(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2515/194, 3-4=-2035/195, 4-5=-1877/205, 5-6=-2039/196, 6-7=-2549/214
BOT CHORD 2-14=-84/1154, 13-14=-138/2327, 12-13=-138/2327, 11-12=-82/1874, 10-11=-82/1874, 9-10=-158/2362, 8-9=-158/2362, 7-8=-165/1288
WEBS 3-12=-514/62, 4-12=0/351, 5-10=0/353, 6-10=-548/83

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
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) 7 except (jt=lb) 2=155.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

LOAD CASE(S) Standard

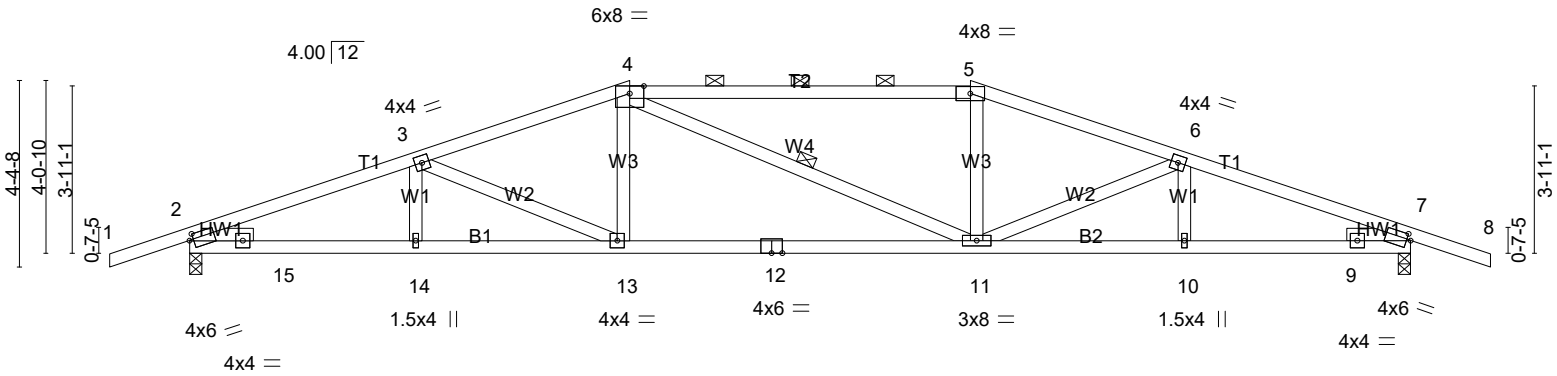
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	HP2	Hip	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:11 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-8SqaMSqoRPo6TuRFIG4C?sKG_AGQVLabIyvd?VzvpbM

-1-10-8	5-3-12	10-4-0	18-4-0	23-4-4	28-8-0	30-6-8
1-10-8	5-3-12	5-0-4	8-0-0	5-0-4	5-3-12	1-10-8

Scale = 1:54.1



5-3-12	10-4-0	18-4-0	23-4-4	28-8-0
5-3-12	5-0-4	8-0-0	5-0-4	5-3-12

Plate Offsets (X,Y)-- [2:0-1-2,0-1-10], [7:0-1-2,0-1-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.12	11-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.41	Vert(CT)	-0.29	11-13	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.07	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.08	10-11	>999	240	Weight: 141 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP 2400F 2.0E
BOT CHORD	2x4 SP 2400F 2.0E
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-9-13 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 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=1259/0-3-8 (min. 0-1-8), 7=1259/0-3-8 (min. 0-1-8)
Max Horz 2=52(LC 7)
Max Uplift2=-153(LC 8), 7=-153(LC 8)

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

TOP CHORD	2-3=-2475/183, 3-4=-2249/191, 4-5=-2111/202, 5-6=-2249/191, 6-7=-2475/183
BOT CHORD	2-15=-40/1111, 14-15=-103/2291, 13-14=-103/2291, 12-13=-72/2110, 11-12=-72/2110, 10-11=-103/2291, 9-10=-103/2291, 7-9=-40/1111
WEBS	4-13=0/365, 5-11=0/365

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=153, 7=153.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

LOAD CASE(S) Standard

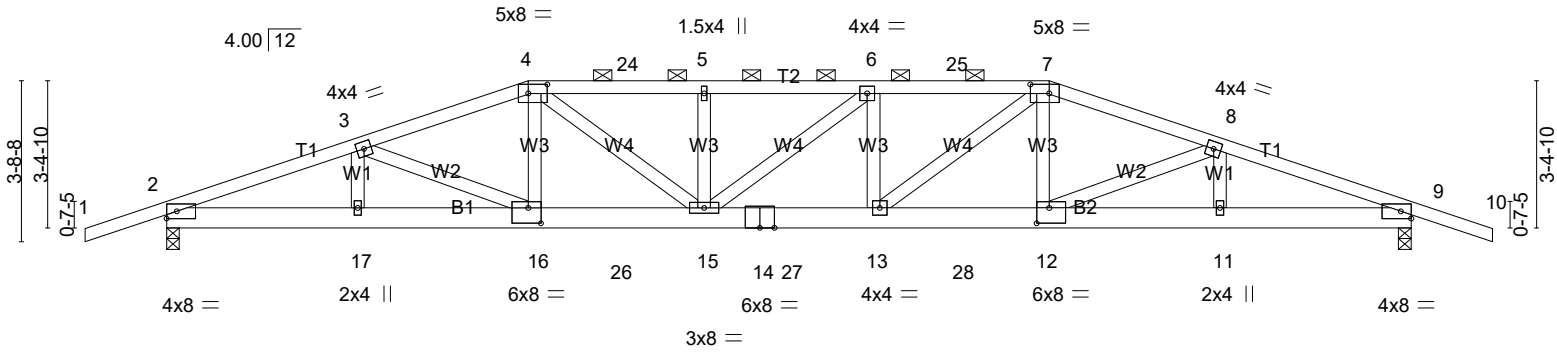
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	HP3	Hip Girder	1	2	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:12 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-dfOyanrQBjwz420SszbRX3sNZaTUEl2lWceBXxzvpbL

-1-10-8	4-4-13	8-4-0	12-4-9	16-3-7	20-4-0	24-3-3	28-8-0	30-6-8
1-10-8	4-4-13	3-11-3	4-0-9	3-10-13	4-0-9	3-11-3	4-4-13	1-10-8

Scale = 1:53.1



4-4-13	8-4-0	12-4-9	16-3-7	20-4-0	24-3-3	28-8-0
4-4-13	3-11-3	4-0-9	3-10-13	4-0-9	3-11-3	4-4-13

Plate Offsets (X,Y)-- [4:0-5-4,0-2-8], [7:0-5-4,0-2-8], [12:0-3-8,0-4-4], [16:0-3-8,0-4-4]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.15	TC	0.75	Vert(LL)	-0.29	13-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	1.00	Vert(CT)	-0.58	13-15	>593	360		
BCLL	0.0 *	Rep Stress Incr NO	WB	0.38	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.24	13-15	>999	240	Weight: 337 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-7 oc purlins, except
2-0-0 oc purlins (3-5-14 max.): 4-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=3627/0-3-8 (min. 0-2-2), 9=3627/0-3-8 (min. 0-2-2)
Max Horz 2=44(LC 26)
Max Uplift2=-482(LC 8), 9=-482(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-8541/1008, 3-4=-9342/1163, 4-24=-10052/1238, 5-24=-10052/1238, 5-6=-10052/1238, 6-25=-10092/1243, 7-25=-10092/1243, 7-8=-9333/1161, 8-9=-8544/1008
BOT CHORD 2-17=-891/8031, 16-17=-891/8031, 16-26=-1013/8932, 15-26=-1013/8932, 14-15=-1131/10092, 14-27=-1131/10092, 13-27=-1131/10092, 13-28=-1012/8922, 12-28=-1012/8922, 11-12=-892/8034, 9-11=-892/8034
WEBS 3-17=-694/153, 3-16=-227/1049, 4-16=-209/1838, 4-15=-139/1489, 6-13=-258/92, 7-13=-148/1549, 7-12=-205/1806, 8-12=-229/1037, 8-11=-687/151

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 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.

Continued on page 2

NOTES-

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=482, 9=482.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1616 lb down and 265 lb up at 8-4-0, 300 lb down and 41 lb up at 10-4-12, 300 lb down and 41 lb up at 12-4-12, 300 lb down and 41 lb up at 14-4-0, 300 lb down and 41 lb up at 16-3-4, and 300 lb down and 41 lb up at 18-3-4, and 1616 lb down and 265 lb up at 20-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-7=-60, 7-10=-60, 18-21=-20
   Concentrated Loads (lb)
   Vert: 16=-1616(F) 15=-300(F) 13=-300(F) 12=-1616(F) 26=-300(F) 27=-300(F) 28=-300(F)

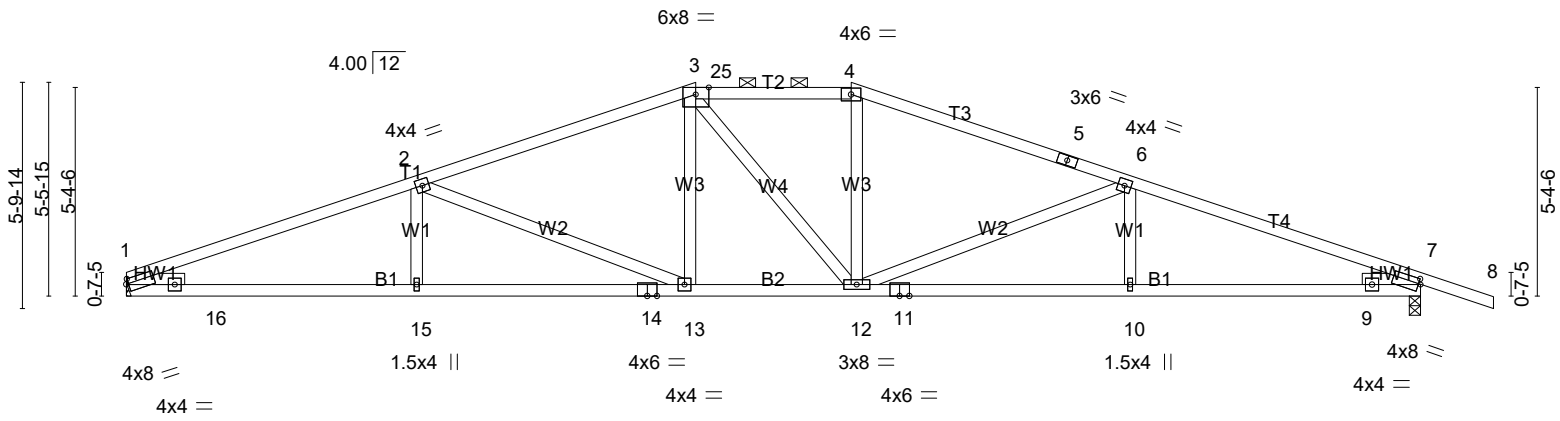
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	HP4	Hip	2	1	Job Reference (optional)

C&R Building Supply, Autryville NC — 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:12 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-dfOyanrQBjwz420SszbRX3sTyabLEeYlWceBXxzvpbL

7-5-12	14-8-0	18-8-0	25-10-4	33-4-0	35-2-8
7-5-12	7-2-4	4-0-0	7-2-4	7-5-12	1-10-8

Scale = 1:59.3



7-5-12	14-8-0	18-8-0	25-10-4	33-4-0
7-5-12	7-2-4	4-0-0	7-2-4	7-5-12

Plate Offsets (X,Y)-- [1:0-0-11,0-1-8], [7:0-0-11,0-1-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.17	10-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.36	10-12	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.10	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.12	10-12	>999	240	Weight: 162 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-6-3 max.): 3-4.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 1=1330/Mechanical, 7=1449/0-3-8 (min. 0-1-8)
Max Horz 1=-74(LC 6)
Max Uplift1=-101(LC 8), 7=-169(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3038/255, 2-3=-2356/230, 3-25=-2164/239, 4-25=-2164/239, 4-5=-2284/228, 5-6=-2355/205, 6-7=-3004/238
BOT CHORD 1-16=-196/1555, 15-16=-161/2817, 14-15=-161/2817, 13-14=-161/2817, 12-13=-65/2165, 11-12=-143/2782, 10-11=-143/2782, 9-10=-143/2782, 7-9=-117/1431
WEBS 2-13=-726/103, 3-13=0/417, 4-12=0/415, 6-12=-692/86

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=33ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
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) except (jt=lb) 1=101, 7=169.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Continued on page 2

NOTES-

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

LOAD CASE(S) Standard

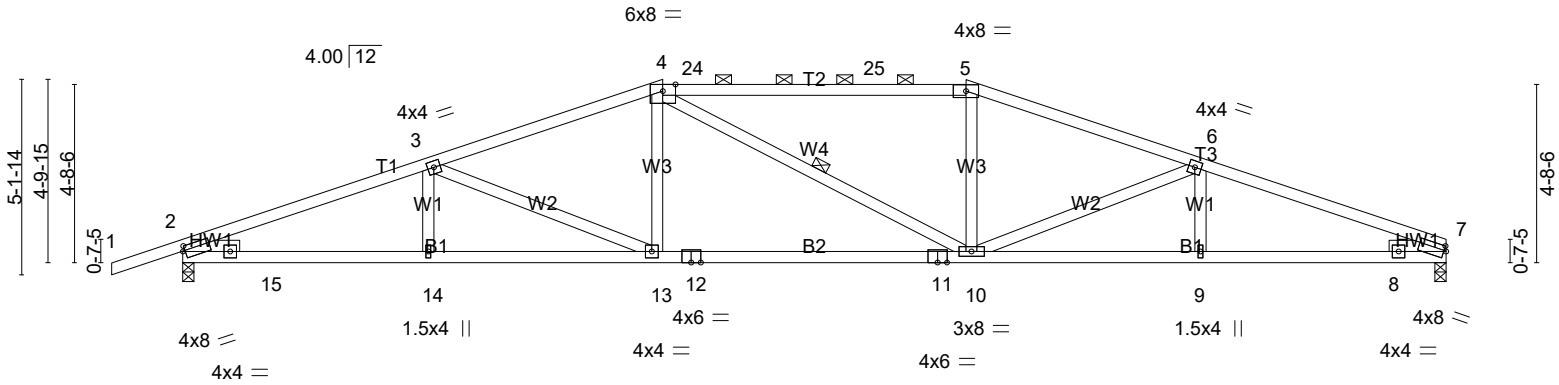
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	HP5	Hip	2	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:13 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-5ryKn7s2y12qiCbePg6g4HPa7zwvzCMulGOk3NzvpbK

-1-10-8	6-5-12	12-8-0	20-8-0	26-10-4	33-4-0
1-10-8	6-5-12	6-2-4	8-0-0	6-2-4	6-5-12

Scale = 1:60.8



6-5-12	12-8-0	20-8-0	26-10-4	33-4-0
6-5-12	6-2-4	8-0-0	6-2-4	6-5-12

Plate Offsets (X,Y)-- [2:0-0-11,0-1-10], [7:0-0-11,0-1-10]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.15	TC	0.63	Vert(LL)	-0.19	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.54	Vert(CT)	-0.40	10-13	>991	360		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.38	Horz(CT)	0.09	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.14	13-14	>999	240	Weight: 160 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except* T2: 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-4-14 max.): 4-5.
BOT CHORD Rigid ceiling directly applied.
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. (lb/size) 7=1330/0-3-8 (min. 0-1-8), 2=1449/0-3-8 (min. 0-1-8)
Max Horz 2=65(LC 7)
Max Uplift7=-101(LC 8), 2=-169(LC 8)

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

TOP CHORD 2-3=-2997/233, 3-4=-2586/233, 4-24=-2407/246, 24-25=-2407/246, 5-25=-2407/246, 5-6=-2591/236, 6-7=-3034/254
BOT CHORD 2-15=-105/1315, 14-15=-173/2780, 13-14=-173/2780, 12-13=-119/2403, 11-12=-119/2403, 10-11=-119/2403, 9-10=-194/2817, 8-9=-194/2817, 7-8=-195/1465
WEBS 3-13=-428/61, 4-13=0/433, 5-10=0/435, 6-10=-461/81

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=33ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=101, 2=169.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Continued on page 2

NOTES-

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

LOAD CASE(S) Standard

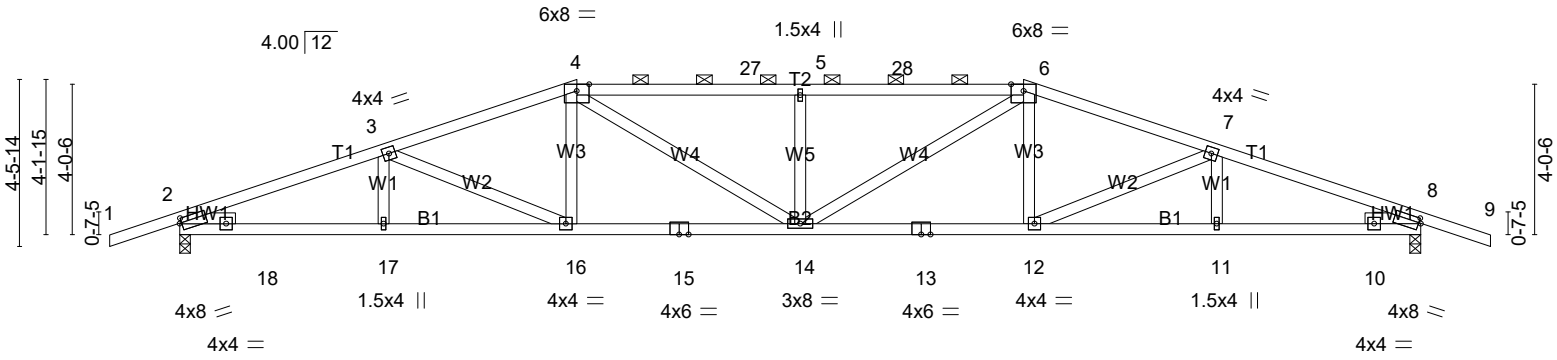
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	HP6	Hip	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:14 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-Z1Wi?TtgjKAhKMAqzOdvcUyleNGzigM2_w7HcqzvpbJ

-1-10-8	5-5-12	10-8-0	16-8-0	22-8-0	27-10-4	33-4-0	35-2-8
1-10-8	5-5-12	5-2-4	6-0-0	6-0-0	5-2-4	5-5-12	1-10-8

Scale = 1:61.9



5-5-12	10-8-0	16-8-0	22-8-0	27-10-4	33-4-0
5-5-12	5-2-4	6-0-0	6-0-0	5-2-4	5-5-12

Plate Offsets (X,Y)-- [2:0-0-11,0-1-10], [8:0-0-11,0-1-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.22	14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.55	Vert(CT)	-0.44	14	>906	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.09	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.17	14	>999	240	Weight: 168 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (2-10-12 max.): 4-6.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=1446/0-3-8 (min. 0-1-8), 8=1446/0-3-8 (min. 0-1-8)
Max Horz 2=55(LC 7)
Max Uplift2=-167(LC 8), 8=-167(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2973/220, 3-4=-2743/235, 4-27=-2996/274, 5-27=-2998/274, 5-28=-2998/274, 6-28=-2996/274, 6-7=-2743/235, 7-8=-2973/220
BOT CHORD 2-18=-40/1236, 17-18=-139/2762, 16-17=-139/2762, 15-16=-108/2572, 14-15=-108/2572, 13-14=-108/2572, 12-13=-108/2572, 11-12=-139/2762, 10-11=-139/2762, 8-10=-40/1236
WEBS 4-16=0/321, 4-14=-39/635, 5-14=-438/121, 6-14=-39/635, 6-12=0/321

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=33ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=167, 8=167.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

LOAD CASE(S) Standard

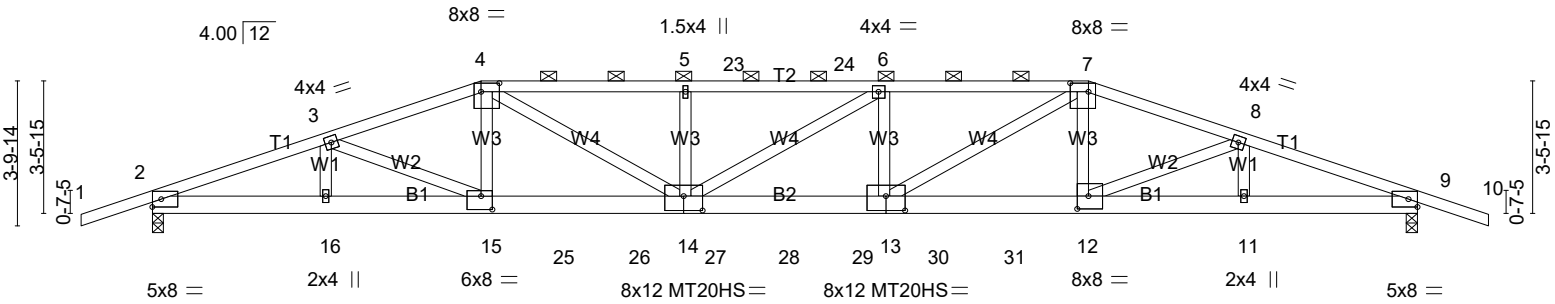
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	HP7	Hip Girder	2	2	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:15 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-1E44CptIUeIXxWI1X5989iUxenbeR3WBCatr8GzvpbI

-1-10-8	4-6-13	8-8-0	14-0-9	19-3-7	24-8-0	28-9-3	33-4-0	35-2-8
1-10-8	4-6-13	4-1-3	5-4-9	5-2-13	5-4-9	4-1-3	4-6-13	1-10-8

Scale = 1:60.7



4-6-13	8-8-0	14-0-9	19-3-7	24-8-0	28-9-3	33-4-0
4-6-13	4-1-3	5-4-9	5-2-13	5-4-9	4-1-3	4-6-13

Plate Offsets (X,Y)-- [4:0-5-12,0-2-12], [7:0-5-12,0-2-12], [12:0-3-8,0-4-0], [13:0-6-0,0-4-8], [14:0-6-0,0-4-8], [15:0-3-8,0-4-4]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.15	TC	0.57	Vert(LL)	-0.33	13-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.58	Vert(CT)	-0.66	13-14	>605	360	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr NO	WB	0.53	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014	Matrix-MS		Wind(LL)	0.27	13-14	>999	240	Weight: 387 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-14 oc purlins, except
2-0-0 oc purlins (4-7-1 max.): 4-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=4119/0-3-8 (min. 0-1-11), 9=4119/0-3-8 (min. 0-1-11)
Max Horz 2=-47(LC 25)
Max Uplift2=-522(LC 8), 9=-522(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-9868/1120, 3-4=-10829/1287, 4-5=-12408/1450, 5-23=-12413/1452, 23-24=-12413/1452, 6-24=-12413/1452, 6-7=-12443/1456, 7-8=-10820/1285, 8-9=-9871/1120
BOT CHORD 2-16=-997/9280, 15-16=-997/9280, 15-25=-1128/10344, 25-26=-1128/10344, 14-26=-1128/10344, 14-27=-1341/12447, 27-28=-1341/12447, 28-29=-1341/12447, 13-29=-1341/12447, 13-30=-1126/10335, 30-31=-1126/10335, 12-31=-1126/10335, 11-12=-997/9283, 9-11=-997/9283
WEBS 3-16=-782/158, 3-15=-219/1238, 4-15=-197/1882, 4-14=-239/2489, 5-14=-314/112, 6-13=-348/114, 7-13=-247/2539, 7-12=-194/1859, 8-12=-221/1226, 8-11=-774/157

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 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=33ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

NOTES-

8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=522, 9=522.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1573 lb down and 253 lb up at 8-8-0, 314 lb down and 43 lb up at 10-8-12, 314 lb down and 43 lb up at 12-8-12, 314 lb down and 43 lb up at 14-8-12, 314 lb down and 43 lb up at 16-8-0, 314 lb down and 43 lb up at 18-7-4, 314 lb down and 43 lb up at 20-7-4, and 314 lb down and 43 lb up at 22-7-4, and 1573 lb down and 253 lb up at 24-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-7=-60, 7-10=-60, 17-20=-20
   Concentrated Loads (lb)
   Vert: 15=-1573(B) 12=-1573(B) 25=-314(B) 26=-314(B) 27=-314(B) 28=-314(B) 29=-314(B) 30=-314(B) 31=-314(B)

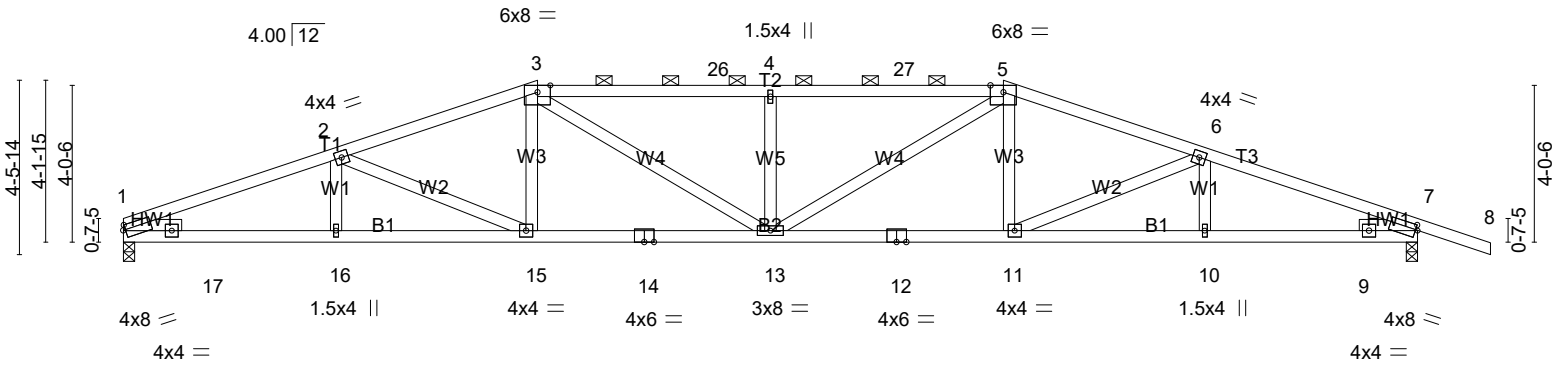
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	HP8	Hip	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC — 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:15 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-1E44CptIUeIXxWl1X5989iU?incfR7ZBCatr8GzvpbI

5-5-12	10-8-0	16-8-0	22-8-0	27-10-4	33-4-0	35-2-8
5-5-12	5-2-4	6-0-0	6-0-0	5-2-4	5-5-12	1-10-8

Scale = 1:59.3



5-5-12	10-8-0	16-8-0	22-8-0	27-10-4	33-4-0
5-5-12	5-2-4	6-0-0	6-0-0	5-2-4	5-5-12

Plate Offsets (X,Y)-- [1:0-0-11,0-1-8], [7:0-0-11,0-1-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.18	13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.36	13-15	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.10	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.13	13	>999	240	Weight: 165 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (4-7-1 max.): 3-5.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 1=1330/0-3-8 (min. 0-1-8), 7=1449/0-3-8 (min. 0-1-8)
Max Horz 1=-57(LC 6)
Max Uplift1=-101(LC 8), 7=-169(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3027/250, 2-3=-2762/246, 3-26=-3011/283, 4-26=-3013/282, 4-27=-3013/282, 5-27=-3011/283, 5-6=-2751/240, 6-7=-2983/225
BOT CHORD 1-17=-136/1448, 16-17=-168/2813, 15-16=-168/2813, 14-15=-118/2590, 13-14=-118/2590, 12-13=-113/2582, 11-12=-113/2582, 10-11=-143/2769, 9-10=-143/2769, 7-9=-53/1312
WEBS 2-15=-260/57, 3-15=0/320, 3-13=-37/635, 4-13=-436/121, 5-13=-43/643, 5-11=0/317

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=33ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=101, 7=169.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	HP8	Hip	1	1	Job Reference (optional)

NOTES-

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

LOAD CASE(S) Standard

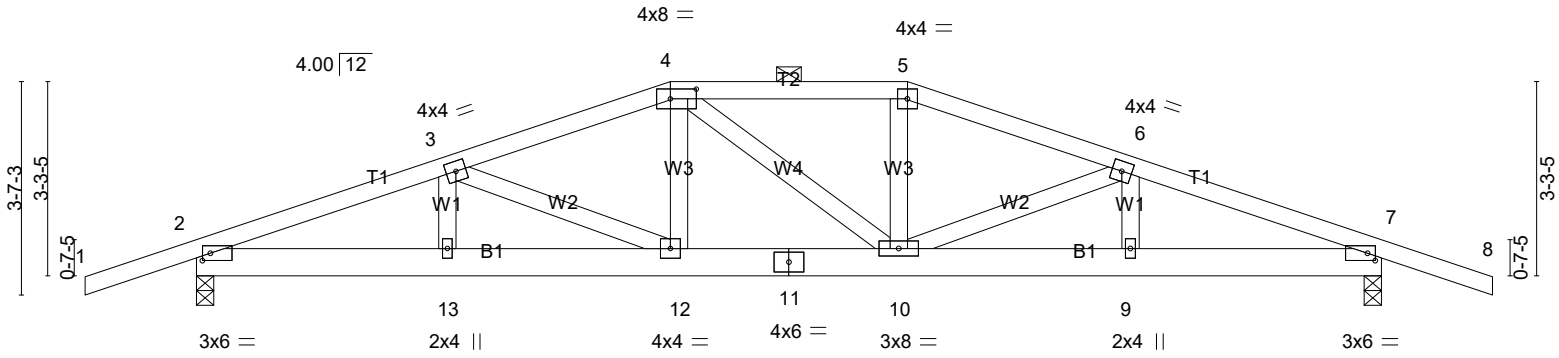
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	HP9	Hip Girder	1	2	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:16 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-VQeTQ9uwFyQOZfKD5pgNiv1ALBywAavLREcOgizvpbH

-1-10-8	4-2-13	8-0-0	12-0-0	15-9-3	20-0-0	21-10-8
1-10-8	4-2-13	3-9-3	4-0-0	3-9-3	4-2-13	1-10-8

Scale = 1:38.9



4-2-13	8-0-0	12-0-0	15-9-3	20-0-0
4-2-13	3-9-3	4-0-0	3-9-3	4-2-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.09	10-12	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.52	Vert(CT)	-0.17	10-12	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.26	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.07	10-12	>999	240	Weight: 226 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-14 oc purlins, except
2-0-0 oc purlins (5-9-9 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=2054/0-3-8 (min. 0-1-8), 7=2054/0-3-8 (min. 0-1-8)
Max Horz 2=-40(LC 25)
Max Uplift2=-303(LC 8), 7=-303(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4507/547, 3-4=-4745/639, 4-5=-4537/623, 5-6=-4741/637, 6-7=-4508/547
BOT CHORD 2-13=-457/4222, 12-13=-457/4222, 11-12=-515/4541, 10-11=-515/4541, 9-10=-457/4224, 7-9=-457/4224
WEBS 3-13=-343/112, 3-12=-233/443, 4-12=-131/1258, 5-10=-130/1249, 6-10=-237/438, 6-9=-339/111

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=303, 7=303.

Continued on page 2

NOTES-

9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 998 lb down and 174 lb up at 8-0-0, and 287 lb down and 53 lb up at 10-0-0, and 998 lb down and 174 lb up at 11-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-5=-60, 5-8=-60, 14-17=-20
   Concentrated Loads (lb)
   Vert: 11=-287(F) 12=-998(F) 10=-998(F)

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	HP10	Hip Girder	1	2	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:17 2023 Page 1

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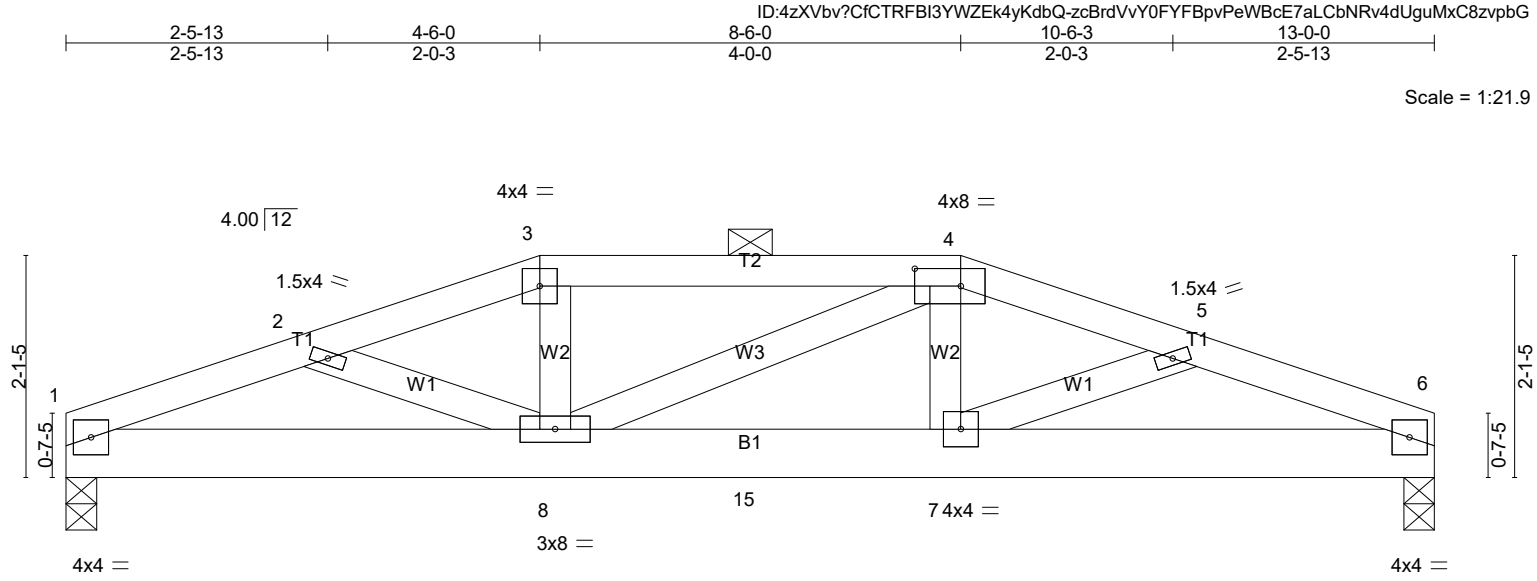

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.03	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.24	Vert(CT)	-0.06	7-8	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.10	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.02	7-8	>999	240	Weight: 134 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=1026/0-3-8 (min. 0-1-8), 6=1026/0-3-8 (min. 0-1-8)
Max Horz 1=18(LC 26)
Max Uplift1=-96(LC 8), 6=-96(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2236/240, 2-3=-2282/232, 3-4=-2204/231, 4-5=-2300/235, 5-6=-2243/241
BOT CHORD 1-8=-205/2061, 8-15=-192/2221, 7-15=-192/2221, 6-7=-206/2066
WEBS 3-8=-8/487, 4-7=-9/496

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 438 lb down and 64 lb up at 4-6-0, and 135 lb down and 30 lb up at 6-6-0, and 438 lb down and 64 lb up at 8-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-4=-60, 4-6=-60, 9-12=-20
   Concentrated Loads (lb)
   Vert: 8=-438(B) 7=-438(B) 15=-135(B)

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	HP11	Hip Girder	1	2	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:18 2023 Page 1

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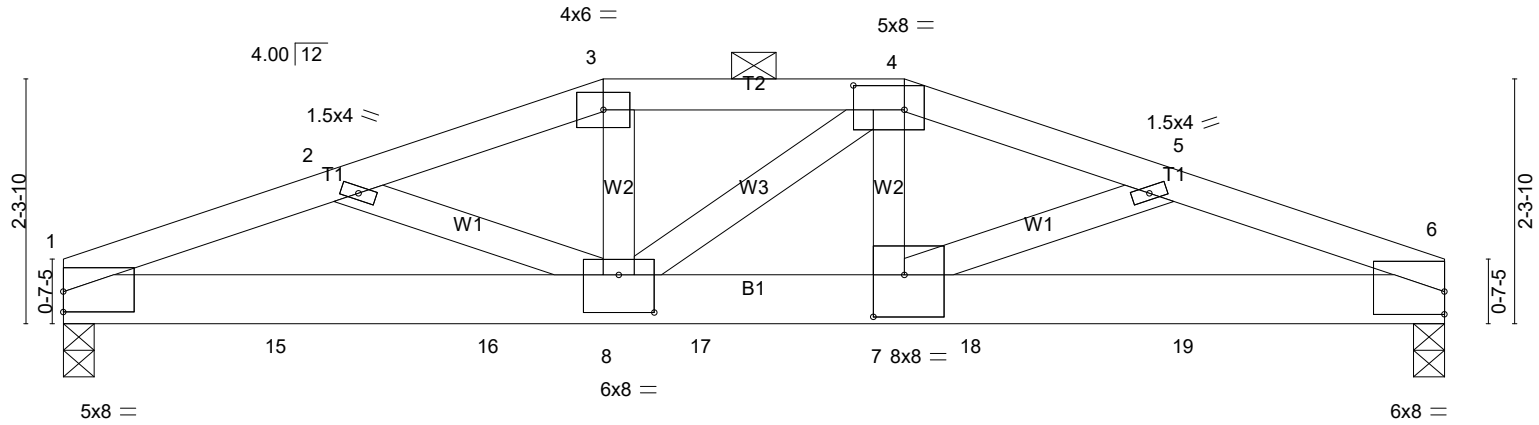
2-9-5	5-1-0	7-11-0	10-2-11	13-0-0
2-9-5	2-3-11	2-10-0	2-3-11	2-9-5

Scale = 1:21.7



5-1-0	7-11-0	13-0-0
5-1-0	2-10-0	5-1-0

Plate Offsets (X,Y)-- [1:0-0-0,0-2-5], [4:0-5-12,0-2-12], [6:0-0-0,0-2-9], [7:0-3-8,0-4-12], [8:0-4-0,0-4-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.10	7-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.20	7-14	>784	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.72	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MS		Wind(LL)	0.08	7-14	>999	240	Weight: 135 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-3 oc purlins, except
2-0-0 oc purlins (3-11-6 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=4534/0-3-8 (min. 0-1-14), 6=5933/0-3-8 (min. 0-2-7)
Max Horz 1=21(LC 7)
Max Uplift1=-412(LC 8), 6=-599(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-9243/883, 2-3=-9297/868, 3-4=-9018/851, 4-5=-9974/968, 5-6=-9982/992
BOT CHORD 1-15=-812/8699, 15-16=-812/8699, 8-16=-812/8699, 8-17=-901/9714, 7-17=-901/9714, 7-18=-919/9413, 18-19=-919/9413, 6-19=-919/9413
WEBS 2-8=-129/252, 3-8=-219/2730, 4-8=-917/148, 4-7=-327/3460

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 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=412, 6=599.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

NOTES-

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

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1313 lb down and 123 lb up at 2-0-12, 1313 lb down and 123 lb up at 4-0-12, 1313 lb down and 123 lb up at 6-0-12, 1313 lb down and 123 lb up at 8-0-12, 1429 lb down and 189 lb up at 8-7-4, and 1310 lb down and 121 lb up at 10-7-4, and 1435 lb down and 183 lb up at 12-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 3-4=-60, 4-6=-60, 9-12=-20
   Concentrated Loads (lb)
   Vert: 7=-1313(B) 14=-1435(B) 15=-1313(B) 16=-1313(B) 17=-1313(B) 18=-1429(B) 19=-1310(B)

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	J1	Jack-Closed	7	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:18 2023 Page 1

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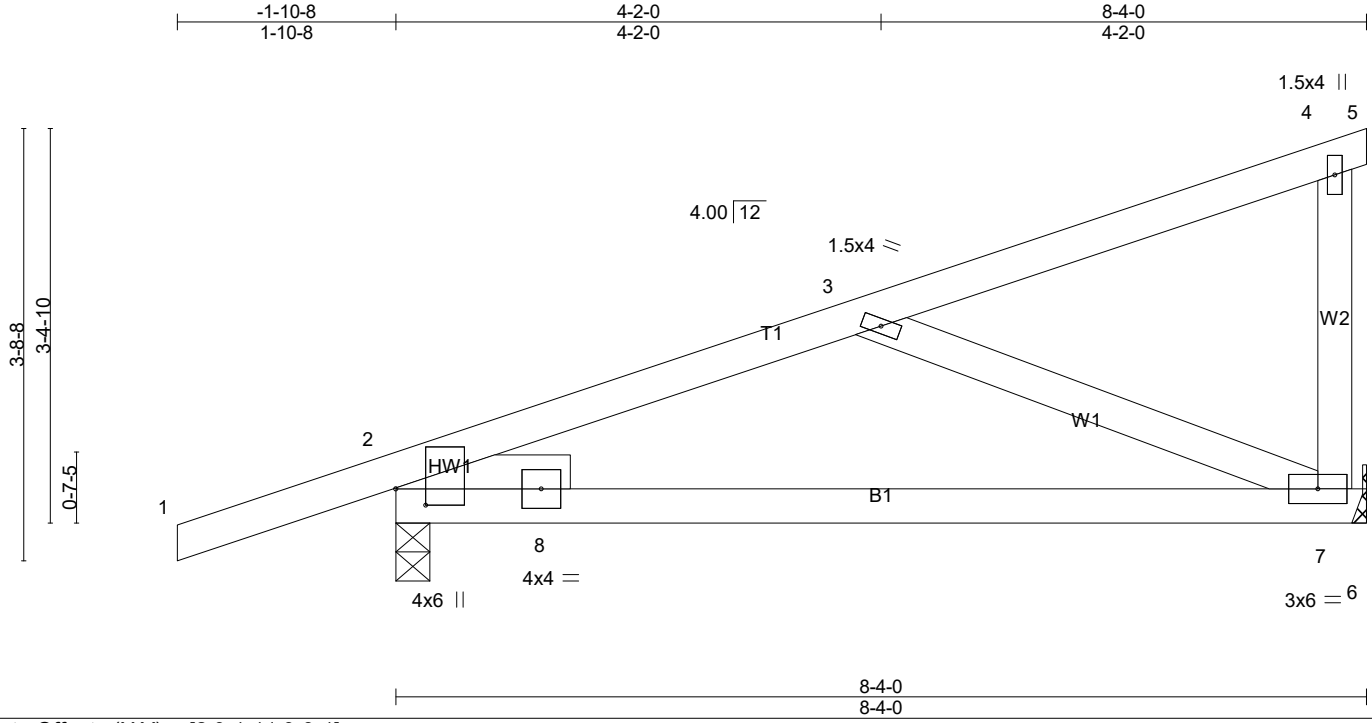

Plate Offsets (X,Y)-- [2:0-1-11,0-3-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.10	7-11	>995	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.19	7-11	>509	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	-0.01	7-11	>999	240	Weight: 41 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=448/0-3-8 (min. 0-1-8), 7=320/Mechanical
Max Horz 2=121(LC 7)
Max Uplift2=-93(LC 8), 7=-21(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-425/58
BOT CHORD 2-8=-275/14, 7-8=-54/394
WEBS 3-7=-424/67

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	J2	Jack-Open	22	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:19 2023 Page 1

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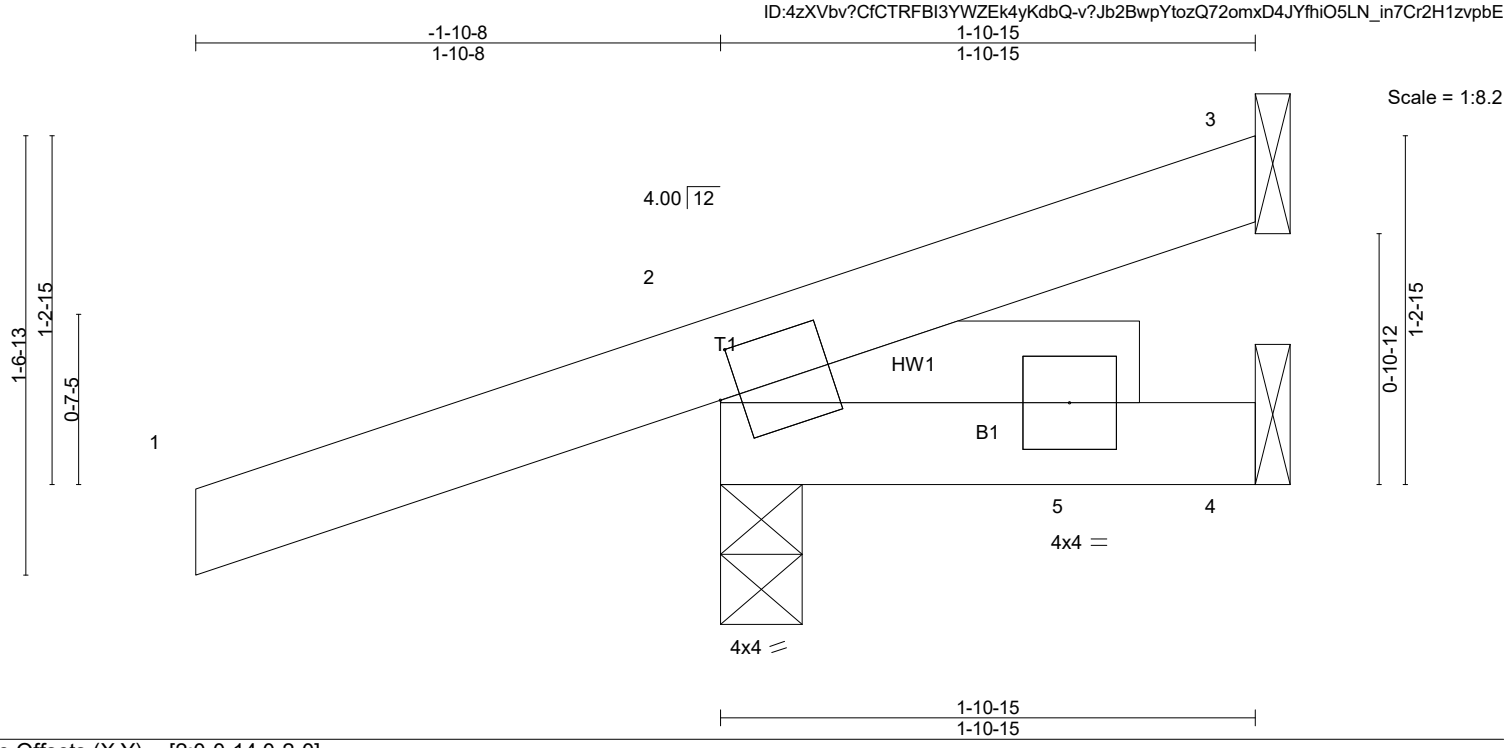

Plate Offsets (X,Y)-- [2:0-0-14,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	0.00	8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.02	Vert(CT)	-0.00	8	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP		Wind(LL)	-0.00	8	>999	240	Weight: 11 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS. (lb/size) 3=24/Mechanical, 2=244/0-3-8 (min. 0-1-8), 4=-3/Mechanical
Max Horz 2=48(LC 8)
Max Uplift 3=-5(LC 5), 2=-95(LC 8), 4=-3(LC 1)
Max Grav 3=24(LC 1), 2=244(LC 1), 4=24(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	J3	Jack-Open	21	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:19 2023 Page 1

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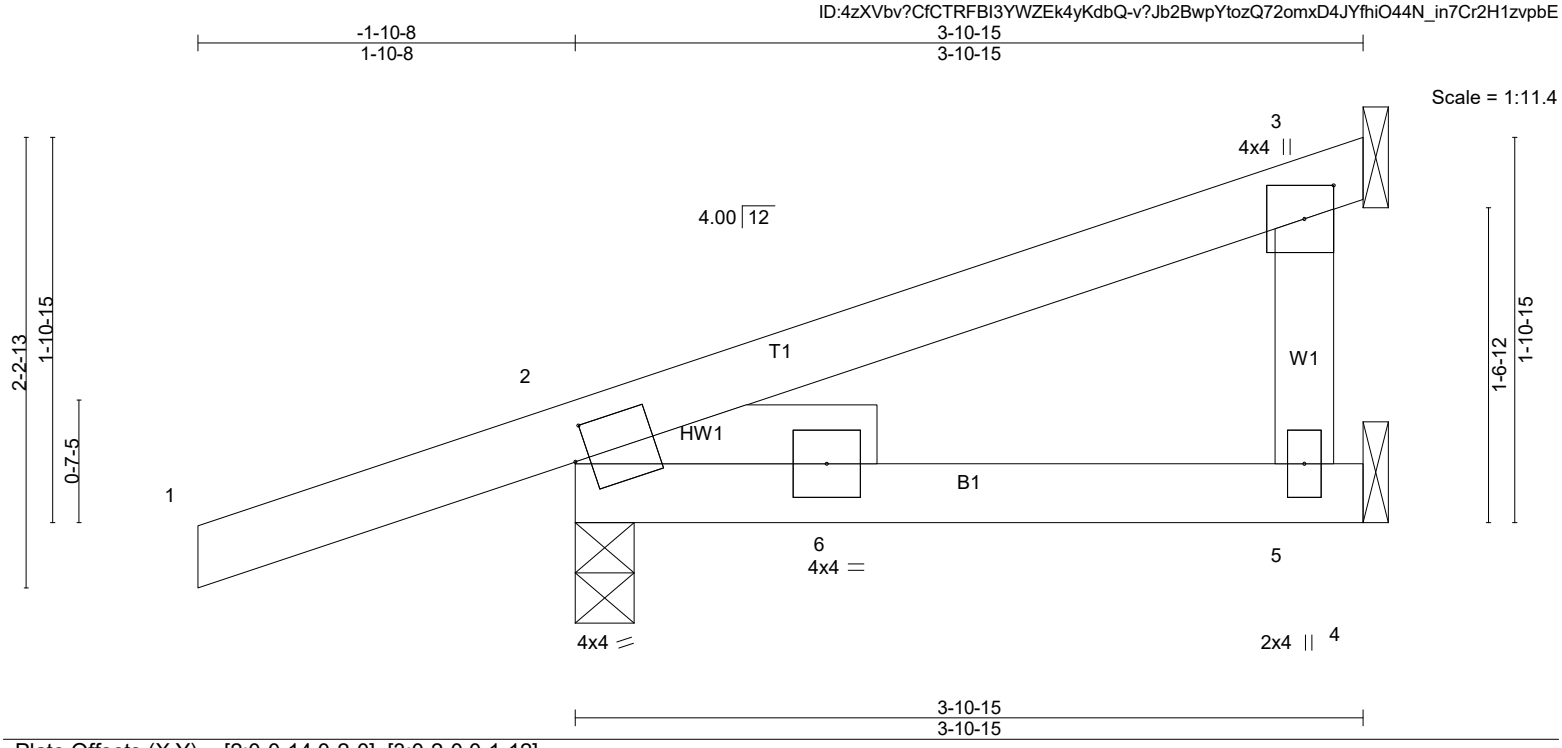

Plate Offsets (X,Y)-- [2:0-0-14,0-2-0], [3:0-2-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.01	5-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.10	Vert(CT)	-0.01	5-9	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP		Wind(LL)	0.00	5-9	>999	240	Weight: 19 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=286/0-3-8 (min. 0-1-8), 5=43/Mechanical, 3=78/Mechanical
Max Horz 2=65(LC 8)
Max Uplift 2=-83(LC 8), 3=-20(LC 8)
Max Grav 2=286(LC 1), 5=74(LC 3), 3=78(LC 1)

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

NOTES-

1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	J4	Jack-Open	17	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:20 2023 Page 1

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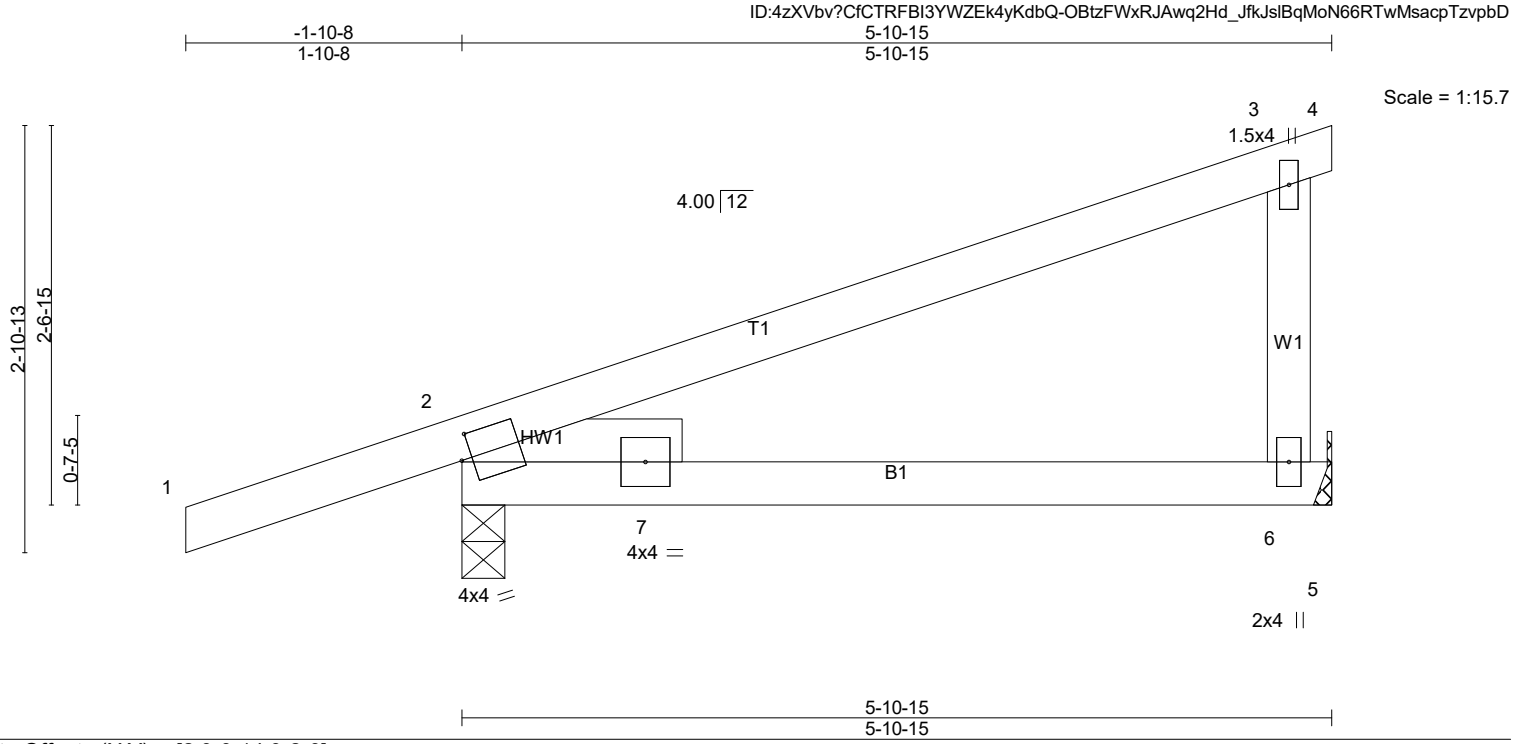

Plate Offsets (X,Y)-- [2:0-0-14,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.03	6-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.31	Vert(CT)	-0.08	6-10	>804	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.02	6-10	>999	240	Weight: 26 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=356/0-3-8 (min. 0-1-8), 6=218/Mechanical
Max Horz 2=88(LC 8)
Max Uplift2=-79(LC 8), 6=-20(LC 8)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	J5	Jack-Partial	13	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:21 2023 Page 1

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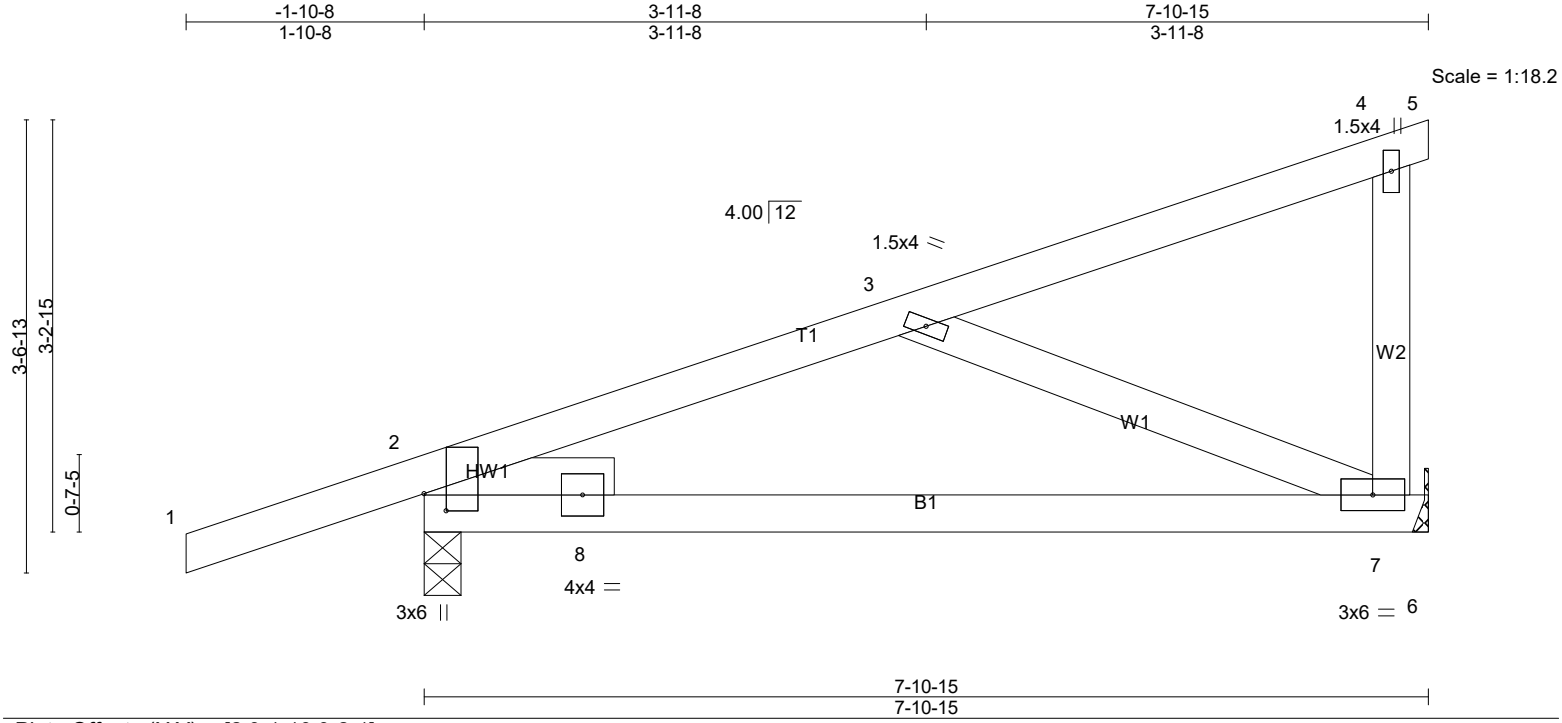

Plate Offsets (X,Y)-- [2:0-1-10,0-2-1]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.08	7-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.43	Vert(CT)	-0.15	7-11	>620	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	-0.01	7-11	>999	240	Weight: 39 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=431/0-3-8 (min. 0-1-8), 7=303/Mechanical
Max Horz 2=108(LC 8)
Max Uplift2=-79(LC 8), 7=-33(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-392/17
BOT CHORD 7-8=-59/363
WEBS 3-7=-392/64

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	J6	Jack-Closed	7	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:21 2023 Page 1

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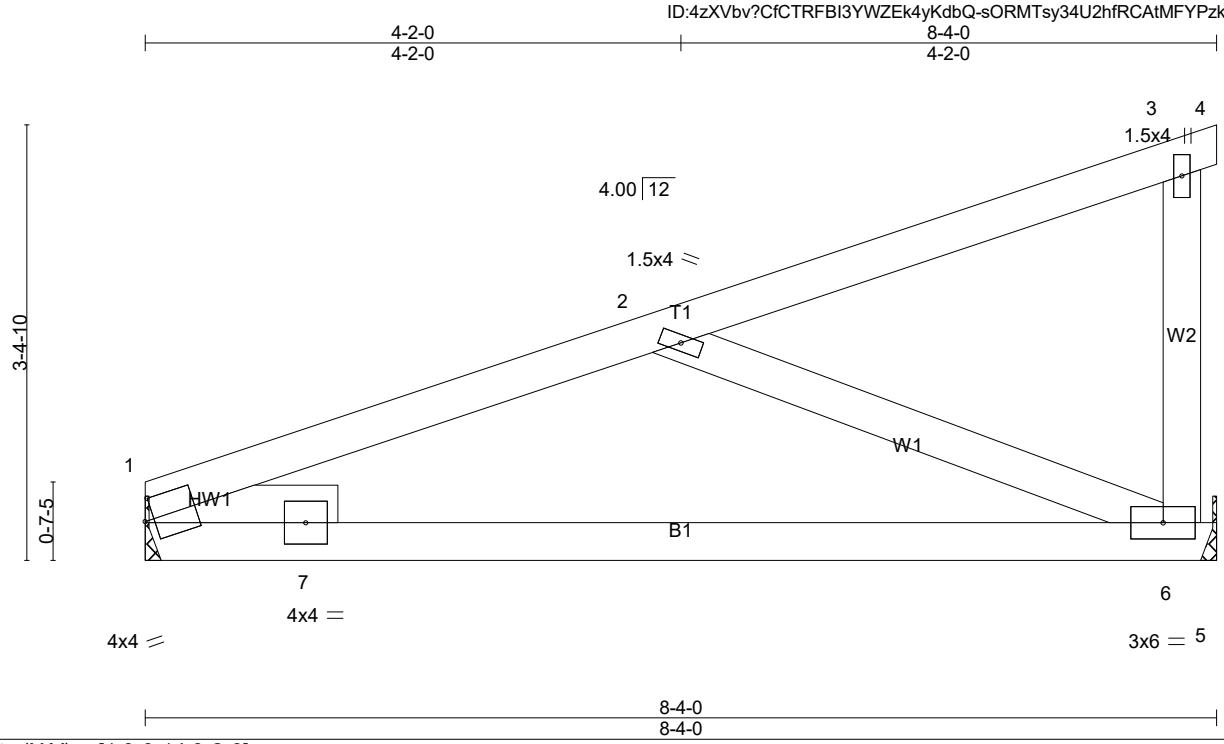

Plate Offsets (X,Y)-- [1:0-0-14,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.10	6-10	>993	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.50	Vert(CT)	-0.20	6-10	>493	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.01	6-10	>999	240	Weight: 38 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 1=322/Mechanical, 6=334/Mechanical
Max Horz 1=111(LC 7)
Max Uplift1=-21(LC 8), 6=-29(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-457/77
BOT CHORD 6-7=-57/432
WEBS 2-6=-464/90

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	J7	Jack-Open	3	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:22 2023 Page 1

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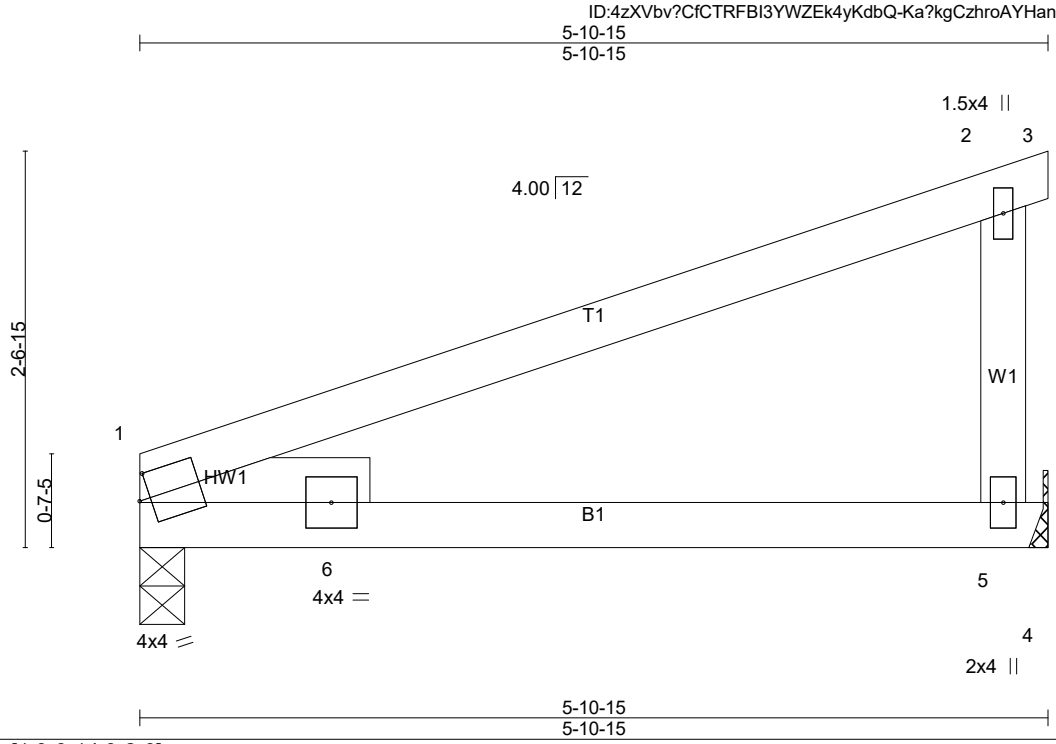

Plate Offsets (X,Y)-- [1:0-0-14,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.05	5-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.10	5-9	>660	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.02	1	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.04	5-9	>999	240	Weight: 23 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 1=224/0-3-8 (min. 0-1-8), 5=237/Mechanical
Max Horz 1=59(LC 8)
Max Uplift1=-4(LC 8), 5=-31(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 1-6=-160/352

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	J8	Jack-Partial	3	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:22 2023 Page 1

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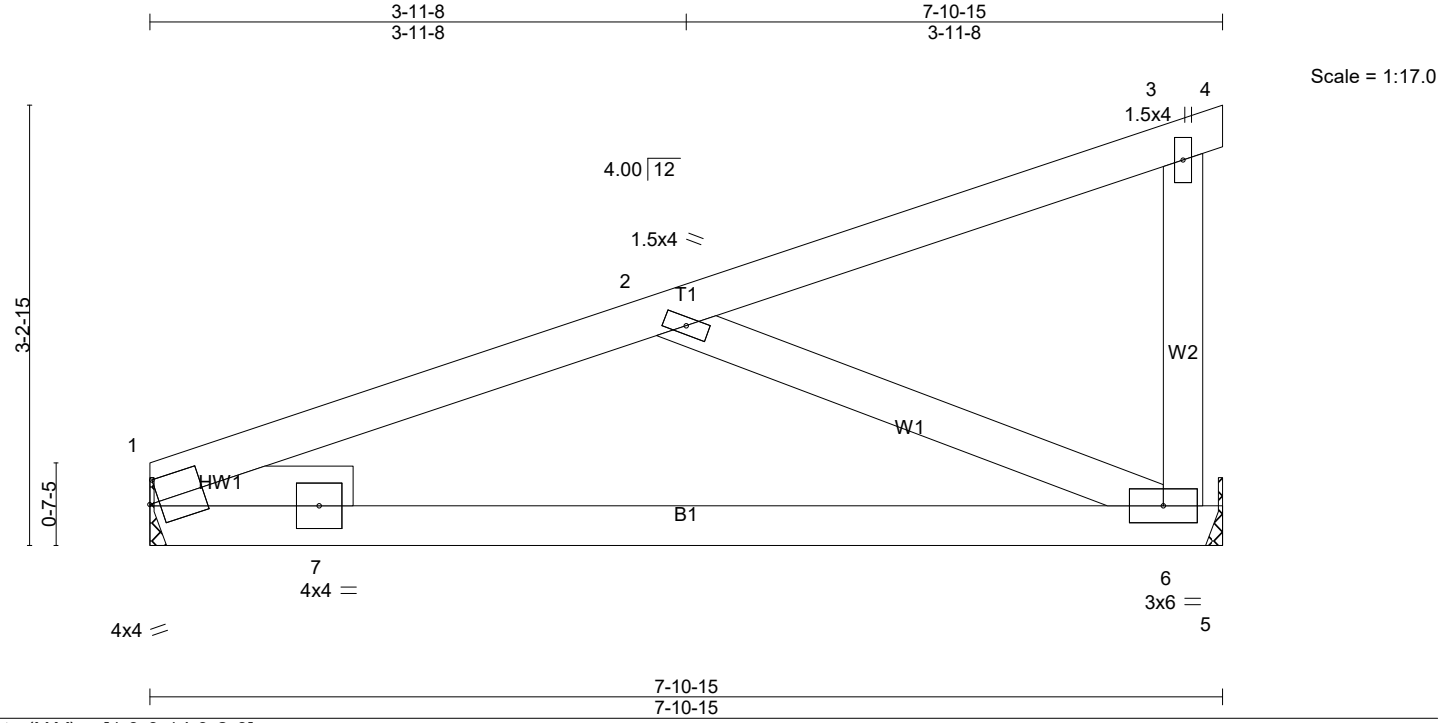

Plate Offsets (X,Y)-- [1:0-0-14,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.08	6-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.44	Vert(CT)	-0.15	6-10	>598	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.01	6-10	>999	240	Weight: 36 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 1=305/Mechanical, 6=317/Mechanical
Max Horz 1=79(LC 8)
Max Uplift1=-7(LC 8), 6=-40(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-426/37
BOT CHORD 6-7=-81/403
WEBS 2-6=-434/88

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 6.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	J9	Jack-Open	2	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:22 2023 Page 1

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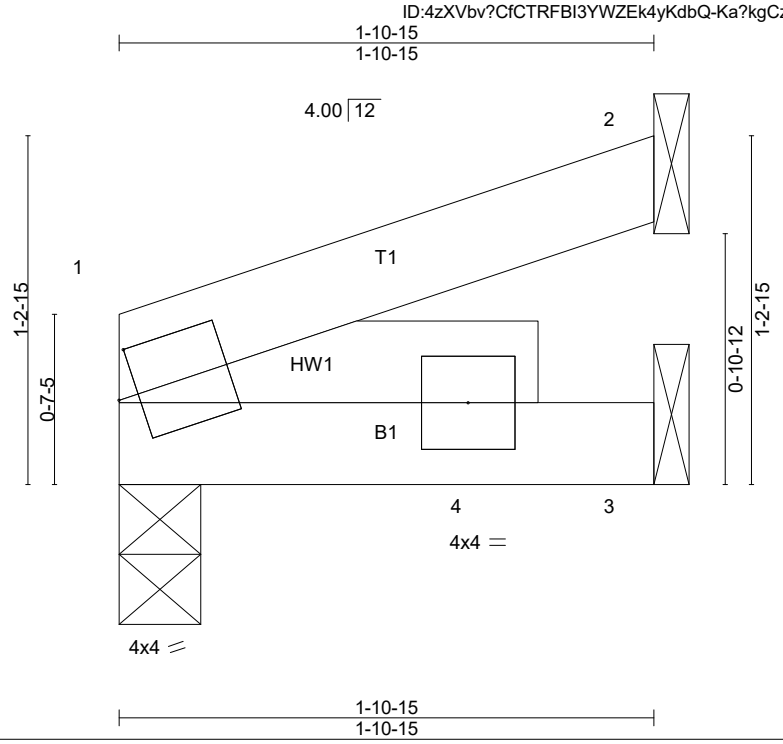

Scale = 1:8.2

Plate Offsets (X,Y)-- [1:0-0-14,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	-0.00	7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	-0.00	7	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	1	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP		Wind(LL)	0.00	7	>999	240	Weight: 8 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 1=76/0-3-8 (min. 0-1-8), 2=41/Mechanical, 3=35/Mechanical
Max Horz 1=19(LC 8)
Max Uplift2=-12(LC 8)
Max Grav 1=76(LC 1), 2=41(LC 1), 3=37(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	J10	Jack-Open	3	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:23 2023 Page 1

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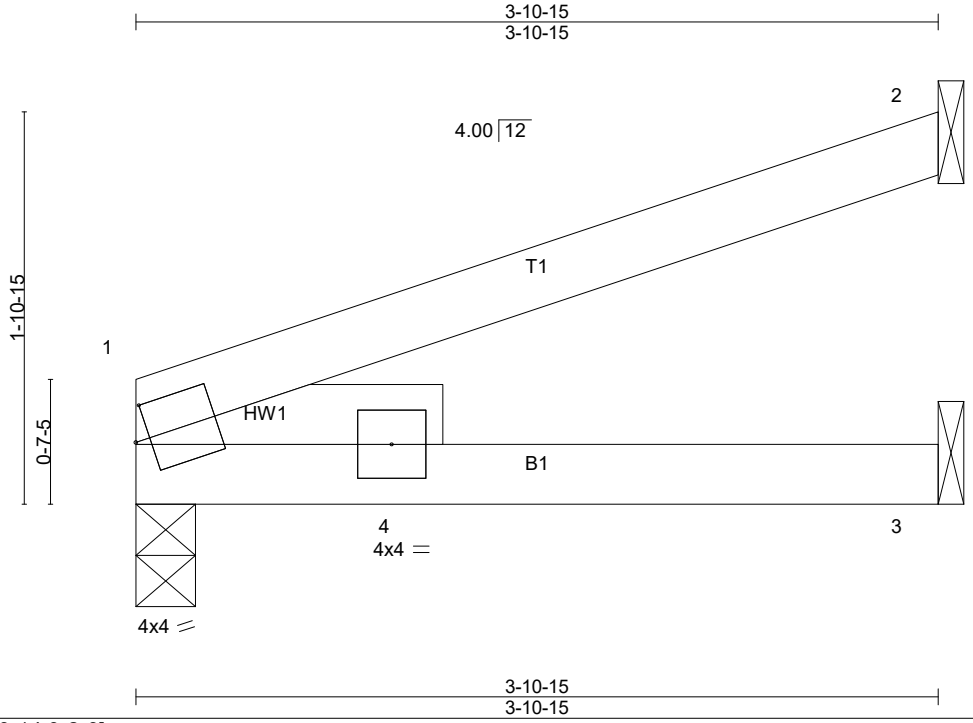

Plate Offsets (X,Y)-- [1:0-0-14,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.01	3-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.02	3-7	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	1	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP		Wind(LL)	0.01	3-7	>999	240	Weight: 14 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 1=154/0-3-8 (min. 0-1-8), 2=97/Mechanical, 3=57/Mechanical
Max Horz 1=39(LC 8)
Max Uplift 1=-2(LC 8), 2=-29(LC 8)
Max Grav 1=154(LC 1), 2=97(LC 1), 3=71(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	J11	Jack-Closed	18	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:23 2023 Page 1

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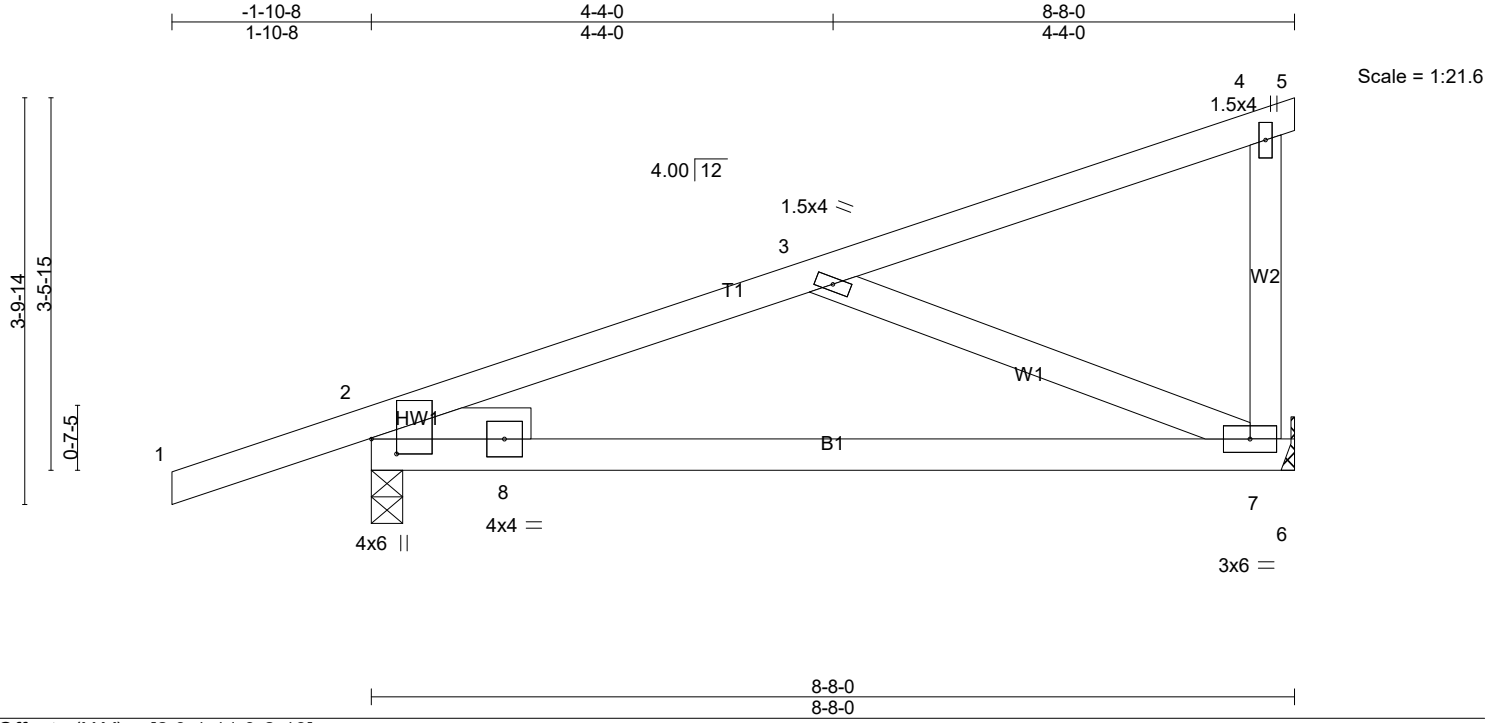

Plate Offsets (X,Y)-- [2:0-1-11,0-2-13]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.12	7-11	>866	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.23	7-11	>443	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	-0.01	7-11	>999	240	Weight: 43 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=461/0-3-8 (min. 0-1-8), 7=334/Mechanical
Max Horz 2=125(LC 7)
Max Uplift2=-93(LC 8), 7=-23(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-448/62
BOT CHORD 2-8=-310/9, 7-8=-57/416
WEBS 3-7=-447/72

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	J12	Jack-Partial	3	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:24 2023 Page 1

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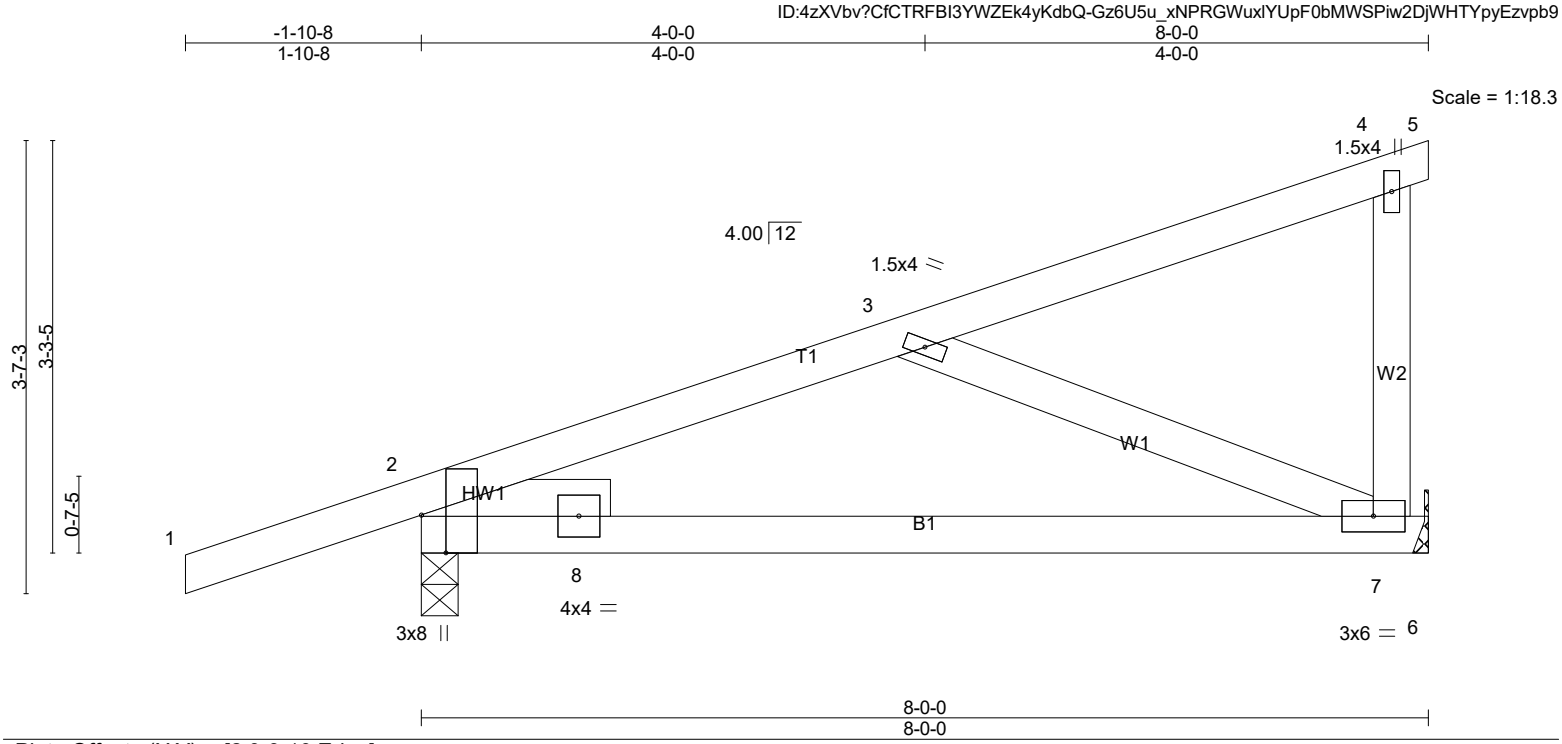

Plate Offsets (X,Y)-- [2:0-3-10,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.37	Vert(LL)	-0.08	7-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.45	Vert(CT)	-0.16	7-11	>595	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	-0.01	7-11	>999	240	Weight: 40 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=434/0-3-8 (min. 0-1-8), 7=307/Mechanical
Max Horz 2=109(LC 8)
Max Uplift2=-79(LC 8), 7=-33(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-399/18
BOT CHORD 7-8=-60/369
WEBS 3-7=-398/65

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	J13	Jack-Open	3	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:24 2023 Page 1

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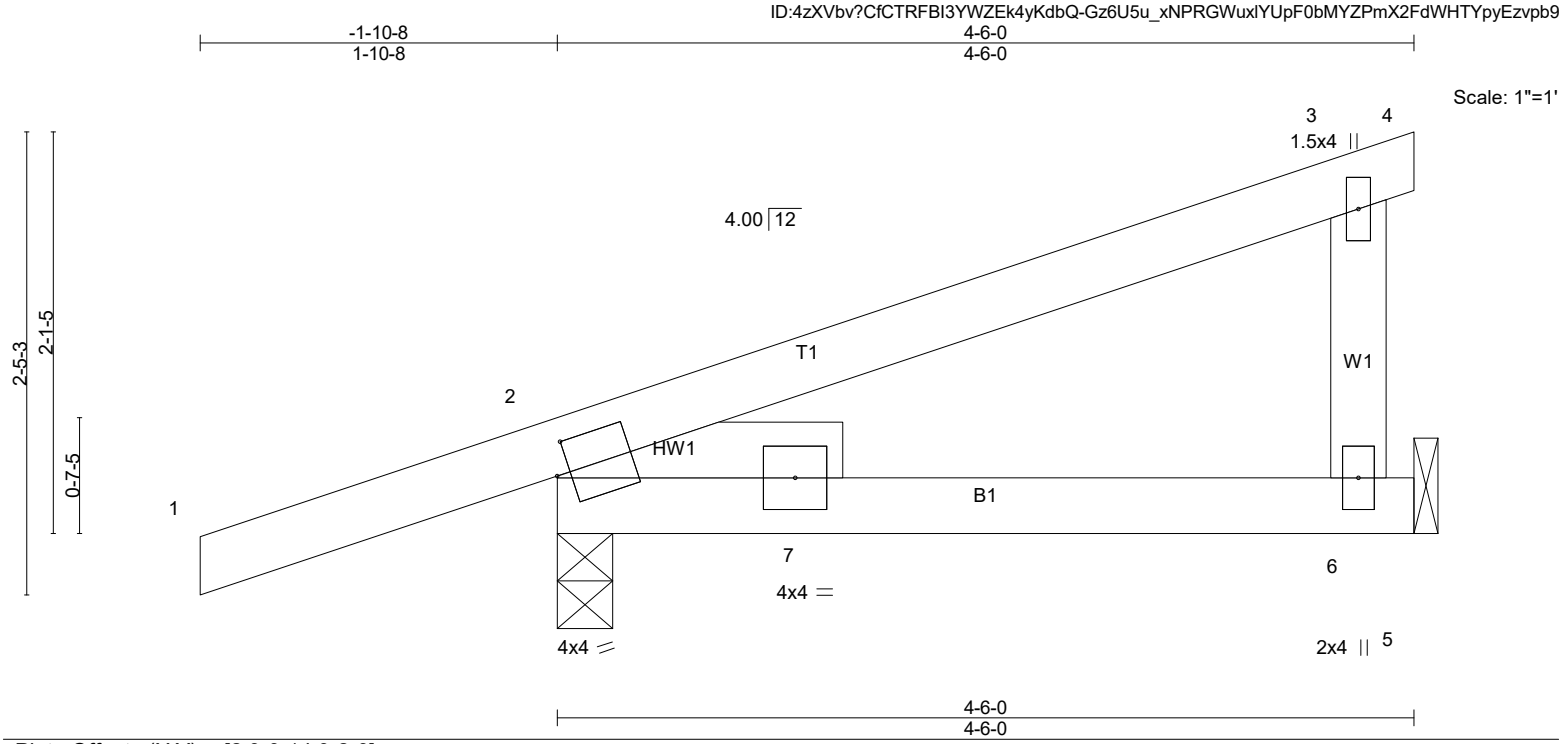


Plate Offsets (X,Y)-- [2:0-0-14,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.01	6-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.02	6-10	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.01	6-10	>999	240	Weight: 21 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=305/0-3-8 (min. 0-1-8), 6=155/Mechanical
Max Horz 2=74(LC 8)
Max Uplift2=-80(LC 8), 6=-10(LC 8)

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

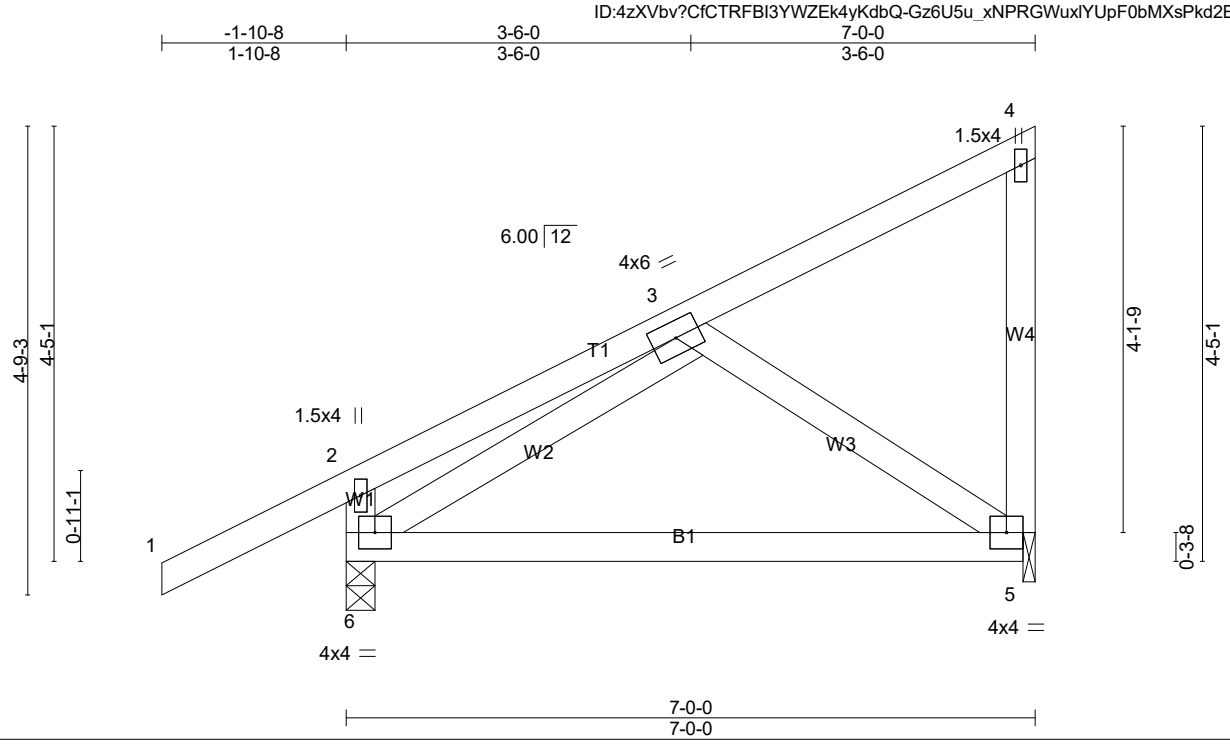
NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	M1	Monopitch	12	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:24 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-Gz6U5u_xNPRGWuxlYUpF0bMXsPkd2EwWHTYpyEzvpb9



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.09	5-6	>947	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.27	Vert(CT)	-0.17	5-6	>473	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.00	6	****	240	Weight: 43 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 6=408/0-3-8 (min. 0-1-8), 5=250/0-1-8 (min. 0-1-8)
Max Horz 6=168(LC 5)
Max Uplift 6=-92(LC 8), 5=-39(LC 5)
Max Grav 6=408(LC 1), 5=256(LC 13)

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

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 5.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	M2	Monopitch	4	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:25 2023 Page 1

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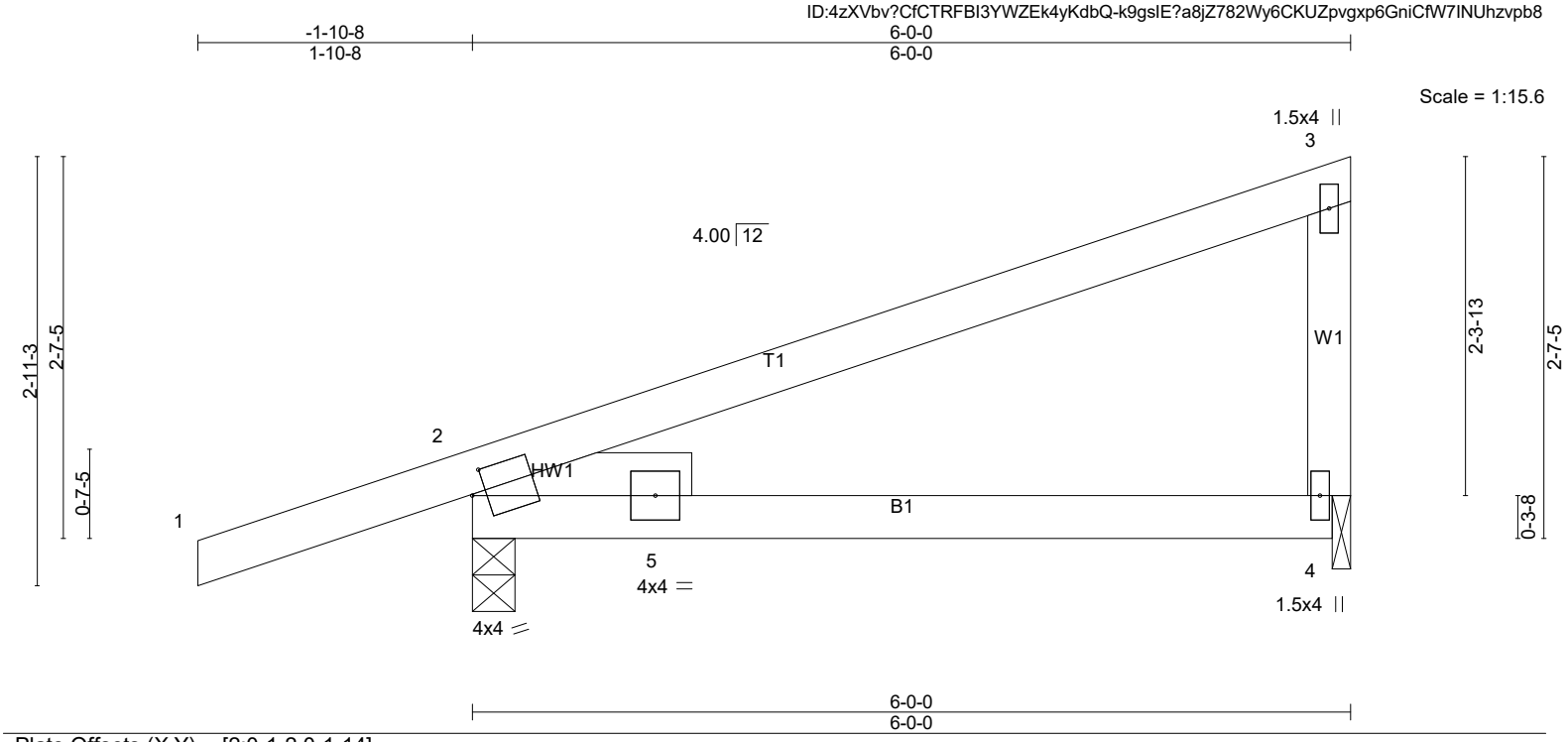

Plate Offsets (X,Y)-- [2:0-1-2,0-1-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.03	4-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.08	4-8	>889	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.02	4-8	>999	240	Weight: 26 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=365/0-3-8 (min. 0-1-8), 4=216/0-1-8 (min. 0-1-8)
Max Horz 2=92(LC 7)
Max Uplift2=-90(LC 8), 4=-10(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-5=-112/274

NOTES-
1) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
4) 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.
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	MG1	Monopitch Girder	1	2	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:25 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-k9gsIE?a8jZ782Wy6CKUZpvm0p6fngBfW7INUhzvpb8

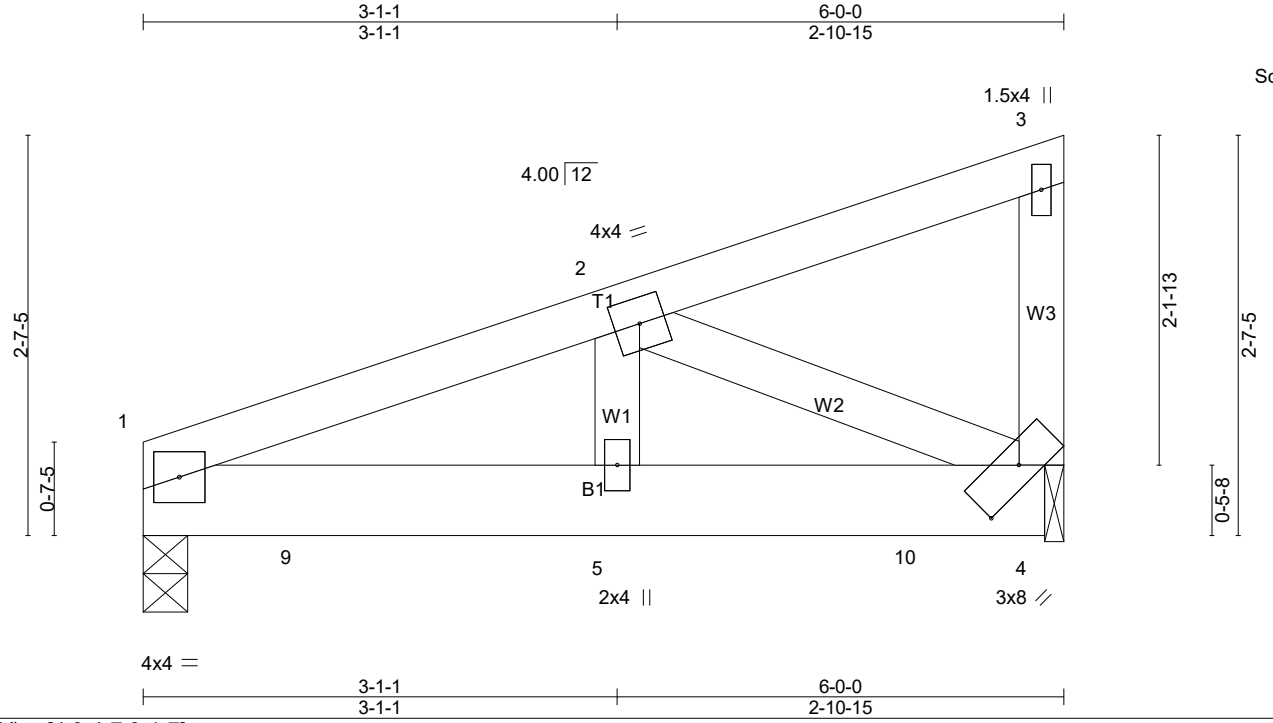

Plate Offsets (X,Y)-- [4:0-4-7,0-1-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.06	Vert(LL)	-0.01	5	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.16	Vert(CT)	-0.01	5	>999	360		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.13	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-MP		Wind(LL)	0.00	5	>999	240	Weight: 63 lb	FT = 20%

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

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

REACTIONS. (lb/size) 1=781/0-3-8 (min. 0-1-8), 4=839/0-1-8 (min. 0-1-8)
Max Horz 1=80(LC 7)
Max Uplift1=-70(LC 8), 4=-79(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1097/107
BOT CHORD 1-9=-98/1019, 5-9=-98/1019, 5-10=-98/1019, 4-10=-98/1019
WEBS 2-5=-25/625, 2-4=-1119/123

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
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) 1, 4.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 383 lb down and 46 lb up at 1-0-12, and 383 lb down and 46 lb up at 3-0-12, and 385 lb down and 44 lb up at 5-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-60, 4-6=-20
   Concentrated Loads (lb)
   Vert: 5=-383(F) 9=-383(F) 10=-385(F)

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	SG1	Common	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:26 2023 Page 1

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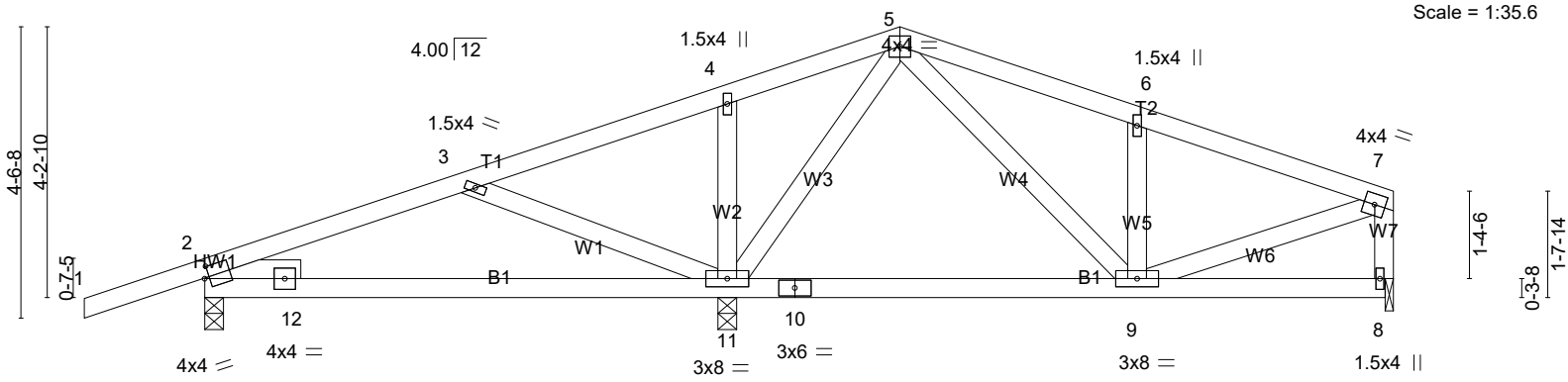
-1-10-8	4-2-10	8-1-12	10-10-0	14-6-6	18-6-4
1-10-8	4-2-10	3-11-2	2-8-4	3-8-6	3-11-14

Scale = 1:35.6



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

Plate Offsets (X,Y)-- [2:0-0-14,0-2-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.04	11-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.08	11-15	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.00	9	>999	240	Weight: 97 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=392/0-3-8 (min. 0-1-8), 11=829/0-3-8 (min. 0-1-8), 8=362/0-1-8 (min. 0-1-8)
Max Horz 2=91(LC 7)
Max Uplift 2=-65(LC 8), 11=-107(LC 8), 8=-6(LC 8)
Max Grav 2=400(LC 19), 11=829(LC 1), 8=377(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-296/0, 5-6=-420/62, 6-7=-415/19, 7-8=-342/23
BOT CHORD 11-12=0/267
WEBS 3-11=-379/83, 5-11=-391/96, 5-9=-54/324, 7-9=0/336

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Bearing at joint(s) 8 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) 8.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8 except (jt=lb) 11=107.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

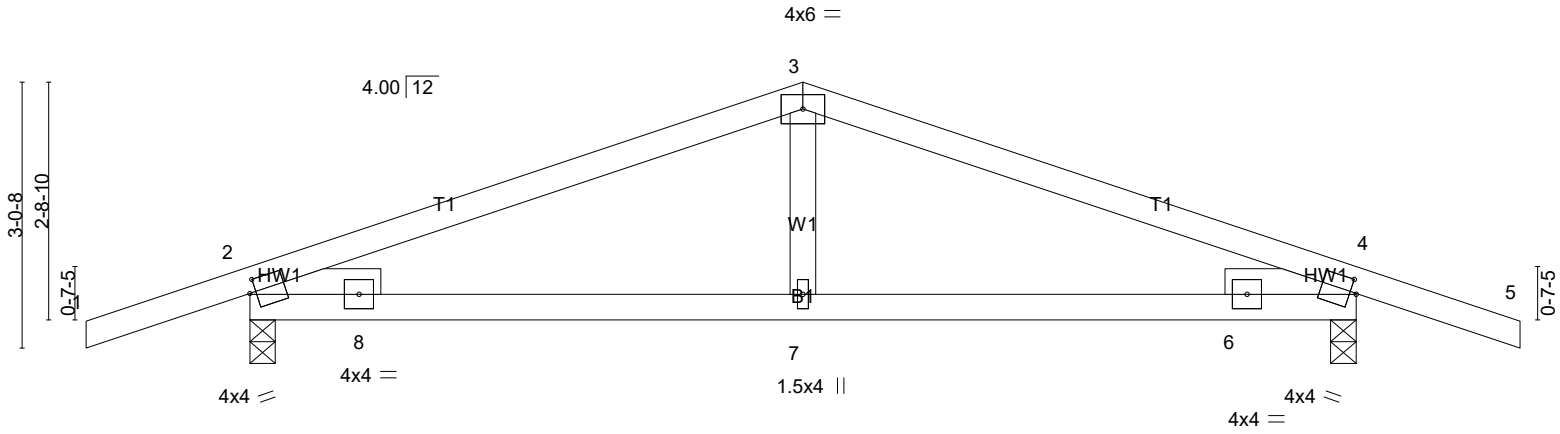
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T1	Common	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:26 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-CLEFWa0Cu0h_mC58gvrj50RtmDS2W8_pkn1w17zvpb7

-1-10-8 / 1-10-8 | 6-4-0 / 6-4-0 | 12-8-0 / 6-4-0 | 14-6-8 / 1-10-8

Scale = 1:26.4



6-4-0 / 6-4-0 | 12-8-0 / 6-4-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.03	7-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.05	7-11	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.01	7-15	>999	240	Weight: 52 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=619/0-3-8 (min. 0-1-8), 4=619/0-3-8 (min. 0-1-8)
Max Horz 2=-33(LC 6)
Max Uplift2=-103(LC 8), 4=-103(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-787/51, 3-4=-787/51
BOT CHORD 2-8=-21/515, 7-8=0/697, 6-7=0/697, 4-6=-34/515

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=103, 4=103.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T2	Common	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:27 2023 Page 1

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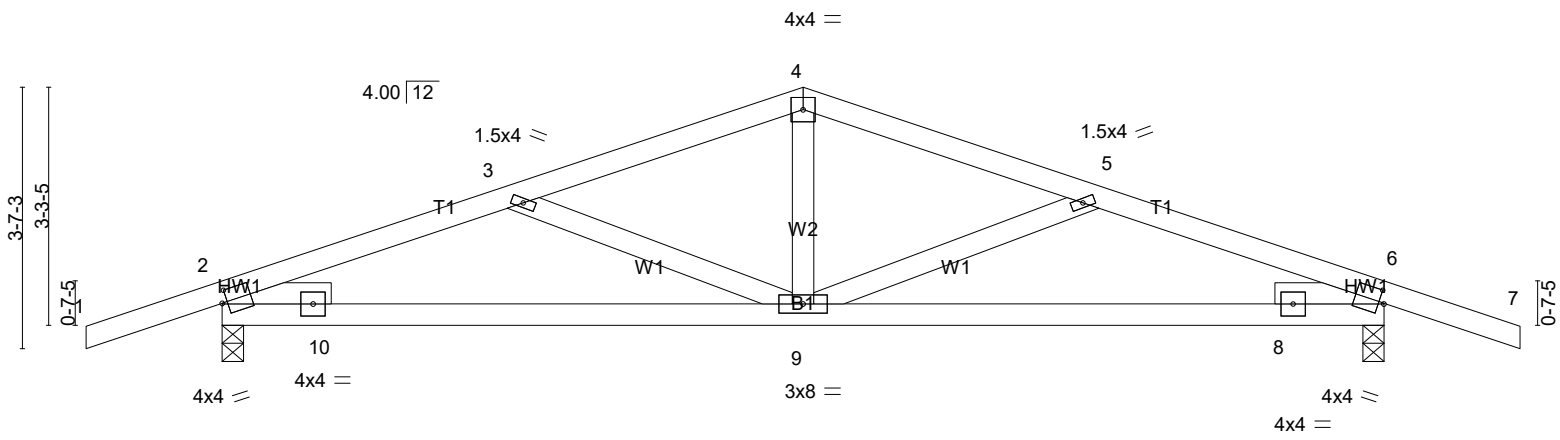
-1-10-8	4-1-12	8-0-0	11-10-4	16-0-0	17-10-8
1-10-8	4-1-12	3-10-4	3-10-4	4-1-12	1-10-8

Scale: 3/8"=1'



8-0-0	16-0-0
8-0-0	8-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	-0.04	9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.08	9-17	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.03	9	>999	240	Weight: 76 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=752/0-3-8 (min. 0-1-8), 6=752/0-3-8 (min. 0-1-8)
Max Horz 2=40(LC 7)
Max Uplift2=-113(LC 8), 6=-113(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1200/101, 3-4=-946/64, 4-5=-946/64, 5-6=-1200/101
BOT CHORD 2-10=-31/507, 9-10=-31/1103, 8-9=-31/1103, 6-8=-38/507
WEBS 3-9=-291/69, 4-9=0/385, 5-9=-291/69

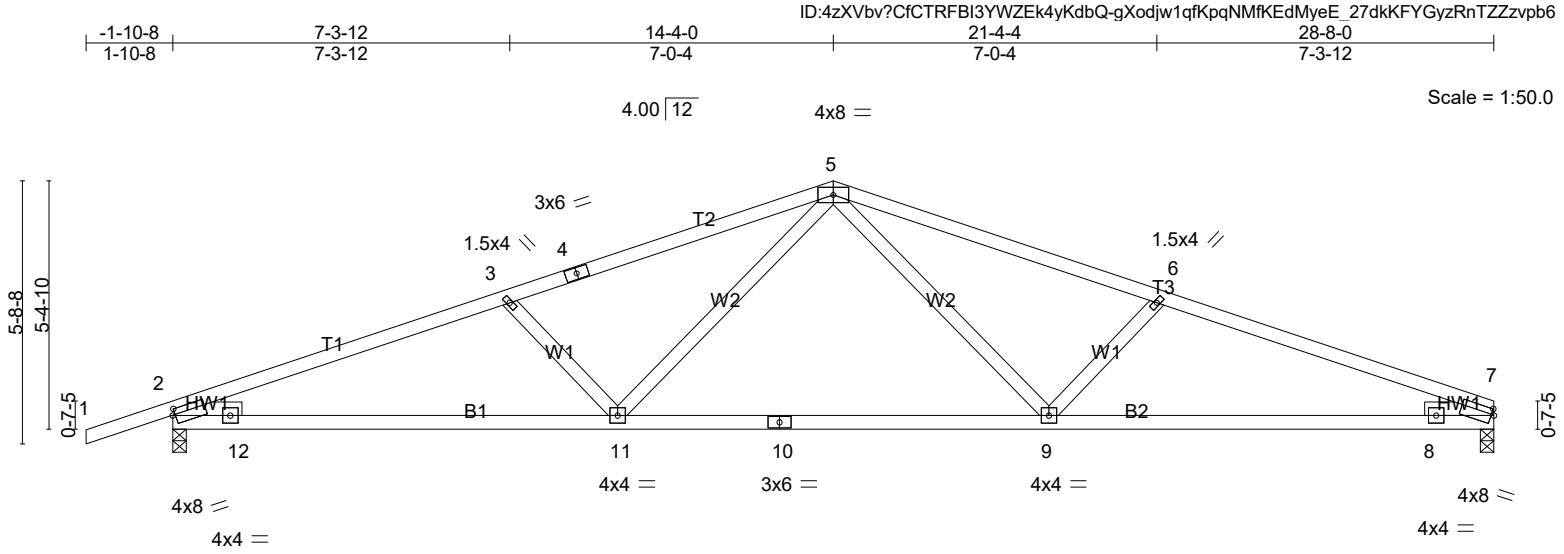
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=113, 6=113.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T3	Common	5	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:27 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-gXodjw1qfKpqNMfKEdMyeE_27dkKFYGyzRnTZZzvpb6



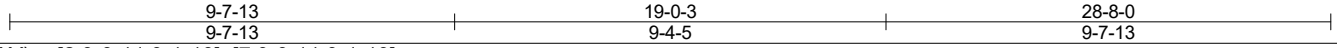


Plate Offsets (X,Y)-- [2:0-0-11,0-1-10], [7:0-0-11,0-1-10]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.15	9-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.40	Vert(CT)	-0.35	9-11	>975	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.11	9-11	>999	240	Weight: 125 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 7=1143/0-3-8 (min. 0-1-8), 2=1263/0-3-8 (min. 0-1-8)
Max Horz 2=72(LC 7)
Max Uplift7=-86(LC 8), 2=-155(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2500/223, 3-4=-2221/172, 4-5=-2155/193, 5-6=-2240/204, 6-7=-2523/237
BOT CHORD 2-12=-184/1216, 11-12=-158/2308, 10-11=-74/1623, 9-10=-74/1623, 8-9=-172/2334, 7-8=-255/1331
WEBS 3-11=-425/141, 5-11=0/661, 5-9=0/684, 6-9=-438/149

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=29ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 2=155.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

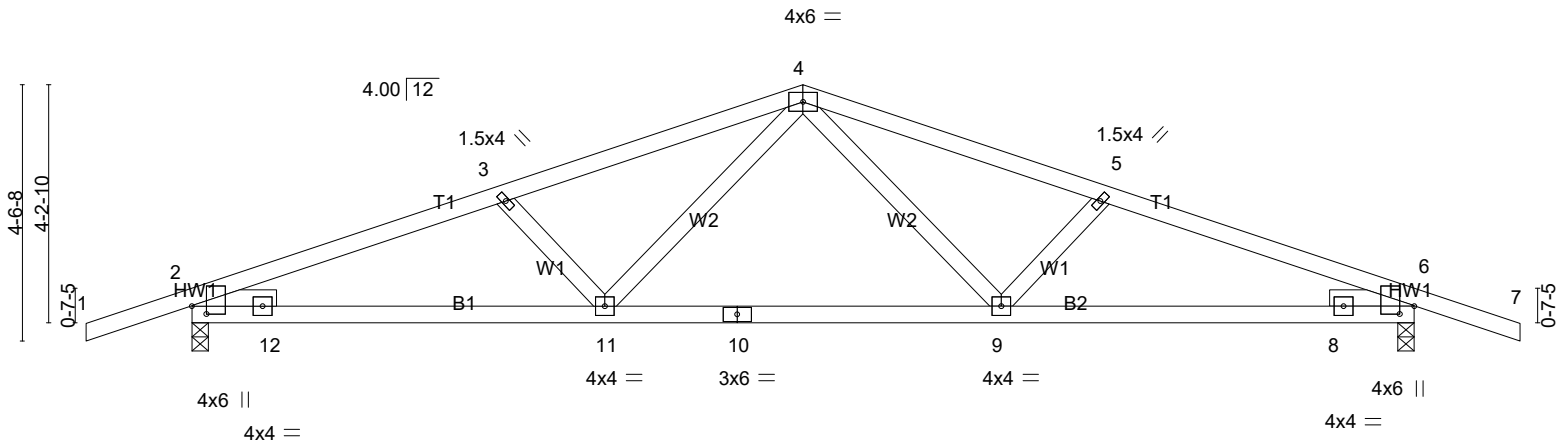
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T4	Common	6	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:28 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-9kM?xG1SQexh?VEXnKtBBRXEA06X_1?6C5W150zvpb5

-1-10-8	5-6-12	10-10-0	16-1-4	21-8-0	23-6-8
1-10-8	5-6-12	5-3-4	5-3-4	5-6-12	1-10-8

Scale = 1:40.8



7-3-13	14-4-3	21-8-0
7-3-13	7-0-5	7-3-13

Plate Offsets (X,Y)-- [2:0-1-11,0-3-1], [6:0-1-11,0-3-1]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL 1.15	TC	0.19	Vert(LL)	-0.08	9-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL 1.15	BC	0.27	Vert(CT)	-0.18	9-11	>999	360		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.19	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014	Matrix-AS		Wind(LL)	0.06	9-11	>999	240	Weight: 100 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=979/0-3-8 (min. 0-1-8), 6=979/0-3-8 (min. 0-1-8)
Max Horz 2=-52(LC 6)
Max Uplift2=-131(LC 8), 6=-131(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1781/146, 3-4=-1591/128, 4-5=-1591/128, 5-6=-1781/146
BOT CHORD 2-12=-52/853, 11-12=-67/1639, 10-11=-15/1183, 9-10=-15/1183, 8-9=-67/1639, 6-8=-52/853
WEBS 3-11=-292/98, 4-11=0/454, 4-9=0/454, 5-9=-292/98

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=131, 6=131.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

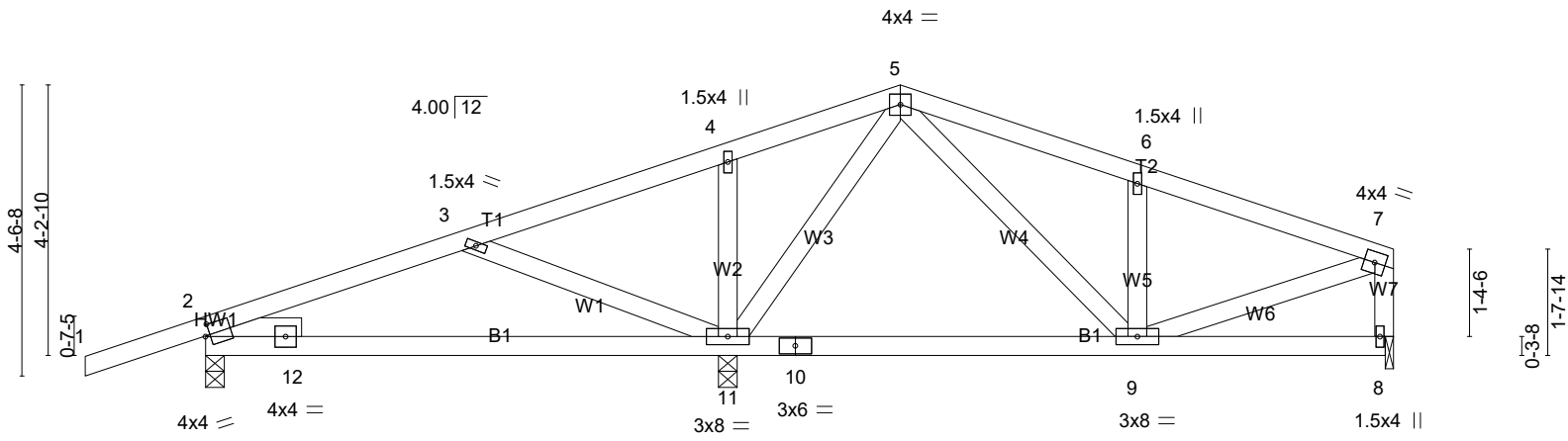
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T5	Common	8	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:28 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-9kM?xG1SQexh?VEXnKtBBRXEU07n_1A6C5W150zvpb5

-1-10-8	4-2-10	8-1-12	10-10-0	14-6-6	18-6-4
1-10-8	4-2-10	3-11-2	2-8-4	3-8-6	3-11-14

Scale = 1:35.6



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

Plate Offsets (X,Y)-- [2:0-0-14,0-2-2]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.04	11-15	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.08	11-15	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.00	9	>999	240	Weight: 97 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=392/0-3-8 (min. 0-1-8), 11=829/0-3-8 (min. 0-1-8), 8=362/0-1-8 (min. 0-1-8)
Max Horz 2=91(LC 7)
Max Uplift 2=-65(LC 8), 11=-107(LC 8), 8=-6(LC 8)
Max Grav 2=400(LC 19), 11=829(LC 1), 8=377(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-296/0, 5-6=-420/62, 6-7=-415/19, 7-8=-342/23
BOT CHORD 11-12=0/267
WEBS 3-11=-379/83, 5-11=-391/96, 5-9=-54/324, 7-9=0/336

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Bearing at joint(s) 8 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) 8.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8 except (jt=lb) 11=107.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

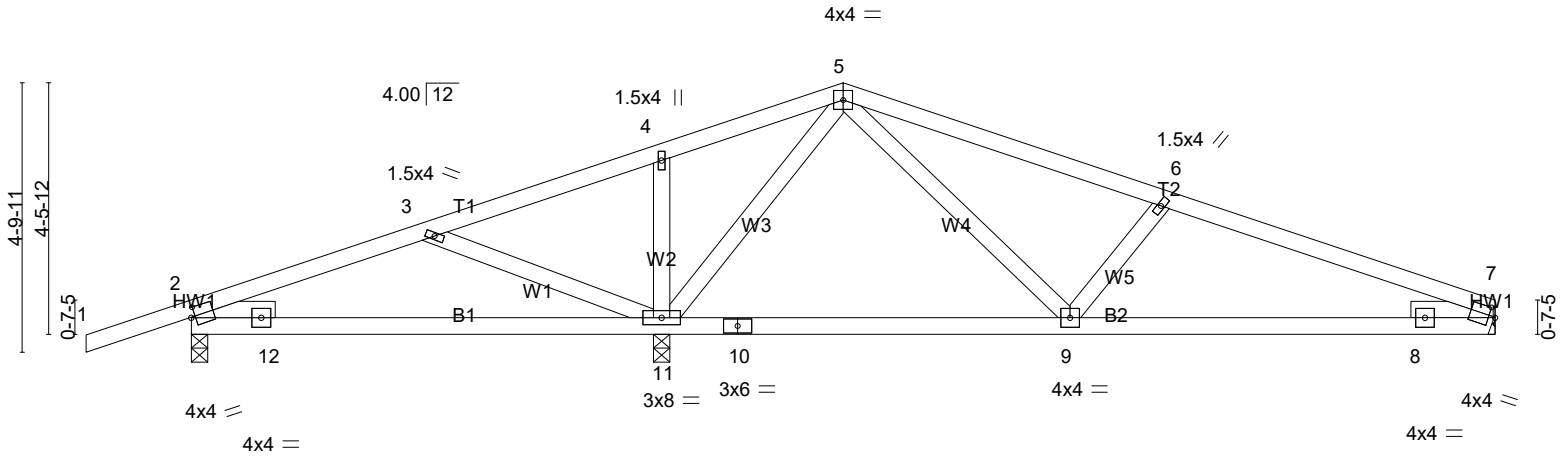
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T6	Common	7	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:29 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-dwwN8b24Bx3YdfpjL2PQjf3QUQTsjQ4FQlGadSzvpb4

-1-10-8	4-4-1	8-4-10	11-7-7	17-3-6	23-2-14
1-10-8	4-4-1	4-0-9	3-2-13	5-7-15	5-11-7

Scale = 1:41.1



8-4-10	15-8-0	23-2-14
8-4-10	7-3-6	7-6-14

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.16	Vert(LL)	-0.04	11-19	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.20	Vert(CT)	-0.09	11-19	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.02	9-15	>999	240	Weight: 109 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 7=532/Mechanical, 2=351/0-3-8 (min. 0-1-8), 11=1089/0-3-8 (min. 0-1-8)
Max Horz 2=57(LC 7)
Max Uplift7=-25(LC 8), 2=-60(LC 8), 11=-123(LC 8)
Max Grav 7=539(LC 20), 2=388(LC 19), 11=1089(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-258/1, 3-4=-100/288, 4-5=-56/281, 5-6=-732/47, 6-7=-946/65
BOT CHORD 8-9=-20/861, 7-8=-109/561
WEBS 3-11=-410/86, 5-11=-711/125, 5-9=-24/606, 6-9=-370/126

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 2 except (jt=lb) 11=123.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T7	COMMON	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:29 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-dwwN8b24Bx3YdfpjL2PQjf3NyQUkjRmFQlGadSzvpb4

-1-10-8	5-4-1	10-4-10	11-7-7	17-3-6	23-2-14	25-1-6
1-10-8	5-4-1	5-0-9	1-2-13	5-7-15	5-11-8	1-10-8

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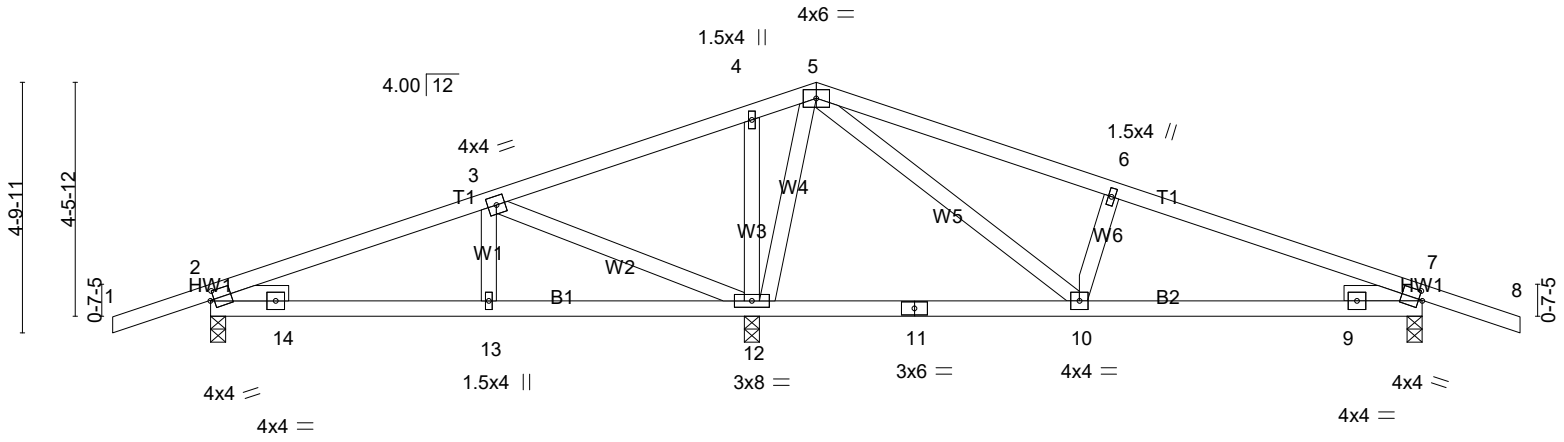

5-4-1	10-4-10	16-8-0	23-2-14
5-4-1	5-0-9	6-3-6	6-6-14

Plate Offsets (X,Y)-- [2:0-0-14,0-2-2], [7:0-0-14,0-2-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.02	10-21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.05	10-21	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.01	10	>999	240	Weight: 116 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=402/0-3-8 (min. 0-1-8), 12=1157/0-3-8 (min. 0-1-8), 7=525/0-3-8 (min. 0-1-8)
Max Horz 2=-55(LC 6)
Max Uplift 2=-85(LC 8), 12=-92(LC 8), 7=-95(LC 8)
Max Grav 2=442(LC 19), 12=1157(LC 1), 7=550(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-379/8, 3-4=-24/392, 4-5=0/353, 5-6=-547/67, 6-7=-630/40
BOT CHORD 13-14=0/324, 12-13=0/324, 9-10=0/558, 7-9=-16/356
WEBS 3-12=-602/67, 5-12=-633/70, 5-10=-48/715, 6-10=-343/115

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 7.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T8	COMMON	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:29 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-dwwN8b24Bx3YdfpjL2PQjf3O1QUjjRmFQlGadSzvpb4

-1-10-8	5-4-1	10-4-10	11-7-7	17-3-6	23-2-14	25-1-6
1-10-8	5-4-1	5-0-9	1-2-13	5-7-15	5-11-8	1-10-8

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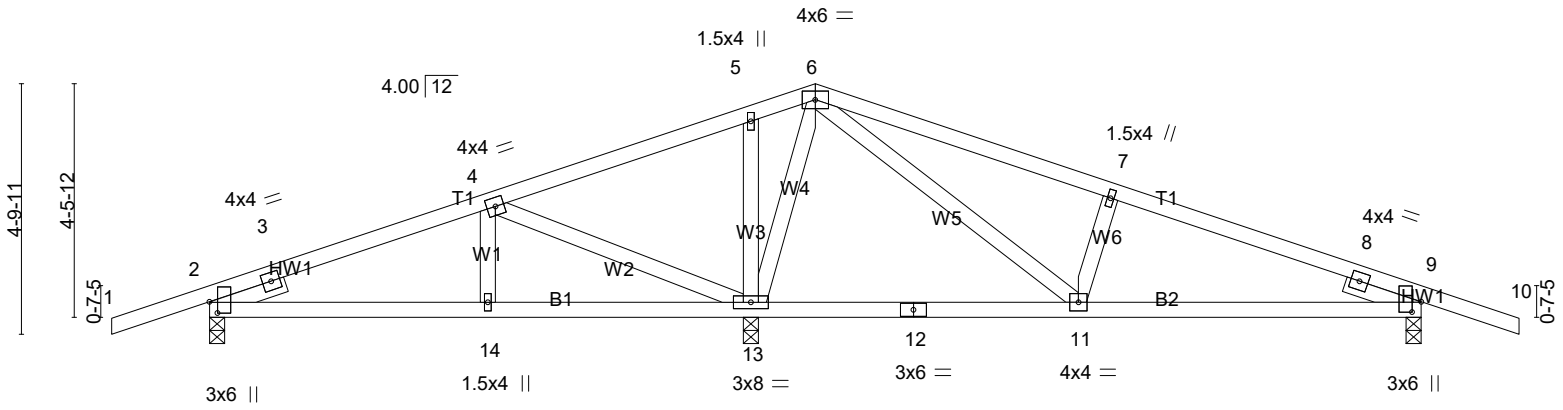


5-4-1	10-4-10	16-8-0	23-2-14
5-4-1	5-0-9	6-3-6	6-6-14

Plate Offsets (X,Y)-- [2:0-2-10,0-1-14], [9:0-2-6,0-2-2]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.32	Vert(LL)	-0.02	11-21	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	-0.05	11-21	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.01	11	>999	240	Weight: 116 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=406/0-3-8 (min. 0-1-8), 13=1151/0-3-8 (min. 0-1-8), 9=528/0-3-8 (min. 0-1-8)
Max Horz 2=-55(LC 6)
Max Uplift 2=-89(LC 8), 13=-85(LC 8), 9=-98(LC 8)
Max Grav 2=443(LC 19), 13=1151(LC 1), 9=551(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-375/18, 4-5=-14/383, 5-6=0/344, 6-7=-551/75, 7-8=-626/48, 8-9=-337/0
BOT CHORD 2-14=0/327, 13-14=0/327, 9-11=0/561
WEBS 4-13=-601/66, 6-13=-628/64, 6-11=-47/714, 7-11=-340/114

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 13, 9.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

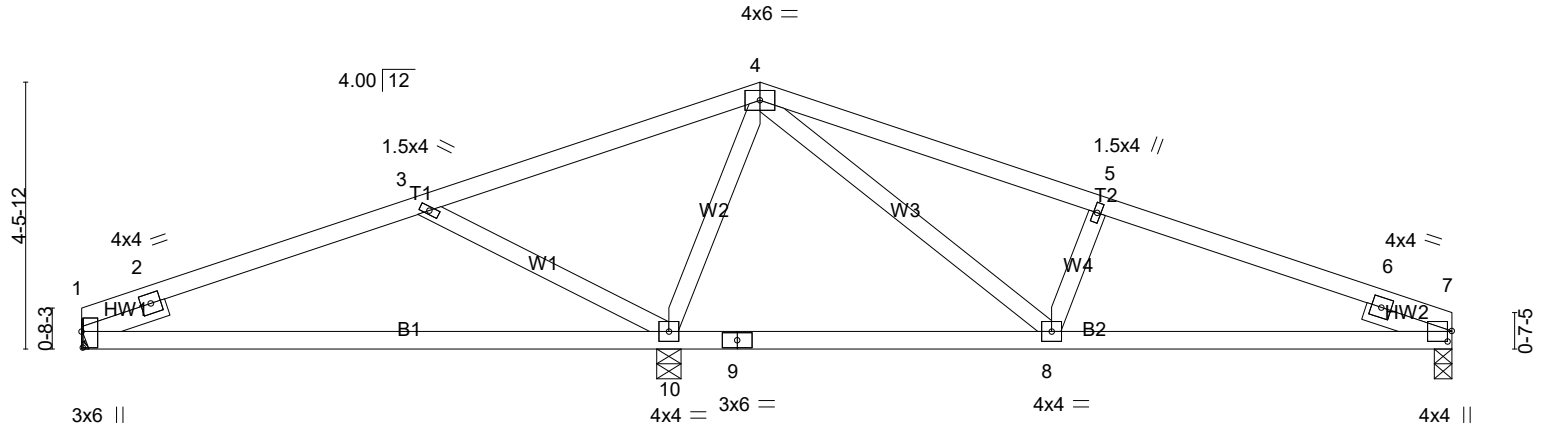
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T9	Common	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:30 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-56UlMx3iyFBPEpOvvlwfGscXbqneSv2OfP?8Auzvpb3

5-10-2	11-4-12	17-0-11	23-0-3
5-10-2	5-6-10	5-7-15	5-11-7

Scale = 1:38.7



9-10-6	16-3-8	23-0-3
9-10-6	6-5-2	6-8-10

Plate Offsets (X,Y)-- [1:0-3-4,0-0-4], [7:0-2-2,0-0-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.39	Vert(LL)	-0.11	10-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.30	Vert(CT)	-0.24	10-13	>497	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.02	1	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.02	8-17	>999	240	Weight: 101 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 1=352/Mechanical, 7=494/0-3-8 (min. 0-1-8), 10=995/0-4-15 (min. 0-1-8)
Max Horz 1=-47(LC 6)
Max Uplift1=-4(LC 8), 7=-21(LC 8), 10=-117(LC 8)
Max Grav 1=383(LC 19), 7=499(LC 20), 10=995(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-733/0, 2-3=-409/31, 4-5=-737/68, 5-6=-834/49, 6-7=-546/0
BOT CHORD 1-10=0/439, 7-8=-5/760
WEBS 3-10=-514/145, 4-10=-605/158, 4-8=-71/680, 5-8=-346/117

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7 except (jt=lb) 10=117.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

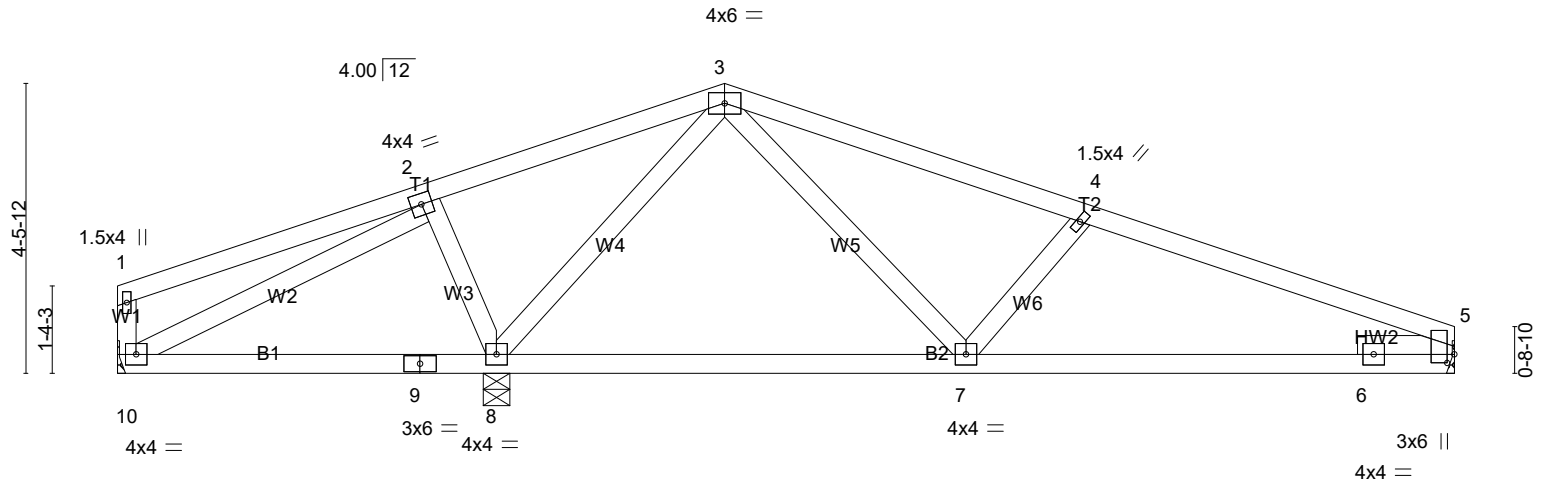
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T10	Common	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:30 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-56UlMx3iyFBPEpOvvlwfGscZ0qoFSsAOfP?8Auzvpb3

4-10-2	9-4-12	14-10-11	20-8-3
4-10-2	4-6-10	5-6-0	5-9-8

Scale = 1:35.6



5-10-6	13-1-8	20-8-3
5-10-6	7-3-2	7-6-10

Plate Offsets (X,Y)-- [5:0-1-9,0-1-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.30	Vert(LL)	-0.03	7-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	-0.07	7-8	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.01	7	>999	240	Weight: 98 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Right 2x4 SP No.3 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 5=532/Mechanical, 8=1040/0-4-15 (min. 0-1-8), 10=71/Mechanical
Max Horz 10=-75(LC 6)
Max Uplift 5=-37(LC 8), 8=-94(LC 8), 10=-28(LC 20)
Max Grav 5=532(LC 1), 8=1040(LC 1), 10=144(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-9/324, 3-4=-676/74, 4-5=-895/96
BOT CHORD 6-7=-50/805, 5-6=-124/387
WEBS 2-8=-335/112, 3-8=-766/95, 3-7=-6/550, 4-7=-353/121

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 8, 10.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

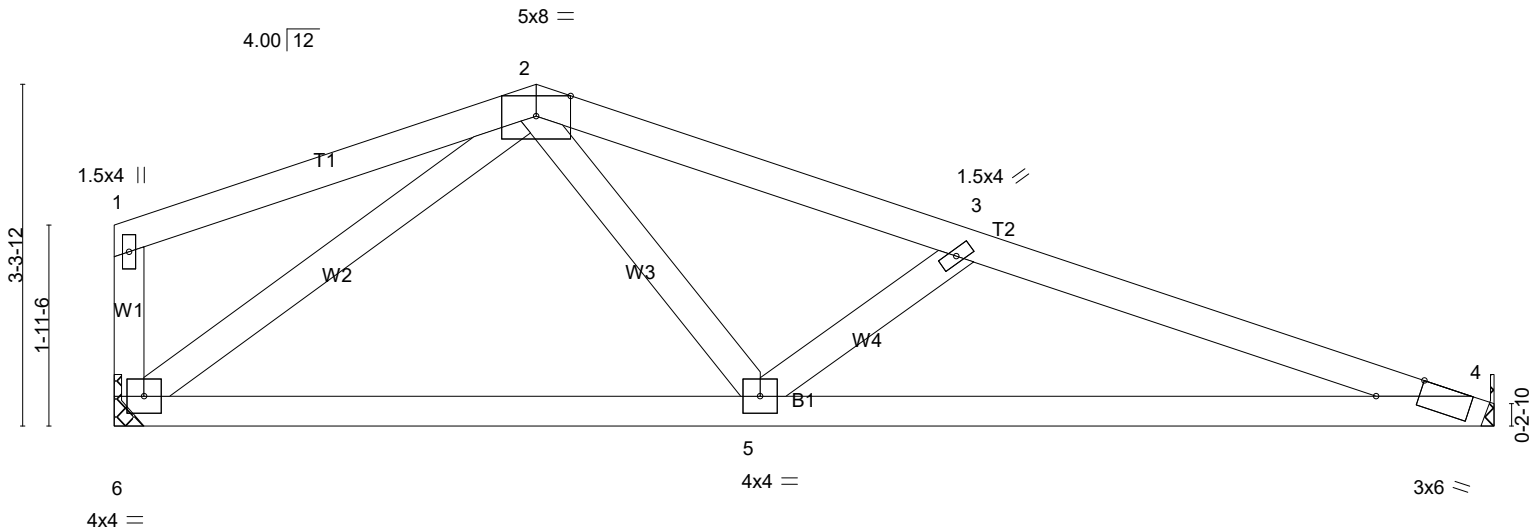
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T11	Common	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:31 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-ZJ28ZH4KjZJGszz5TSRuo49jME8_BMZYu3lhiKzvpb2

4-1-2 | 8-2-0 | 13-4-9
4-1-2 | 4-0-14 | 5-2-9

Scale = 1:22.3



6-3-3 | 13-4-9
6-3-3 | 7-1-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.05	5-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	-0.11	5-7	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	-0.02	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.04	5-7	>999	240	Weight: 58 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 4=527/Mechanical, 6=527/Mechanical
Max Horz 4=-81(LC 6)
Max Uplift4=-40(LC 8), 6=-41(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-866/77, 3-4=-1133/119
BOT CHORD 5-6=-20/498, 4-5=-87/1064
WEBS 2-5=0/487, 3-5=-373/105, 2-6=-560/46

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 6.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T12	Common	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:31 2023 Page 1

ID:4zXVbv?CfCTRFBl3YWZEk4yKdbQ-ZJ28ZH4KjZJGszz5TSRuo49i4E9rBPrYu3lhiKzvpb2

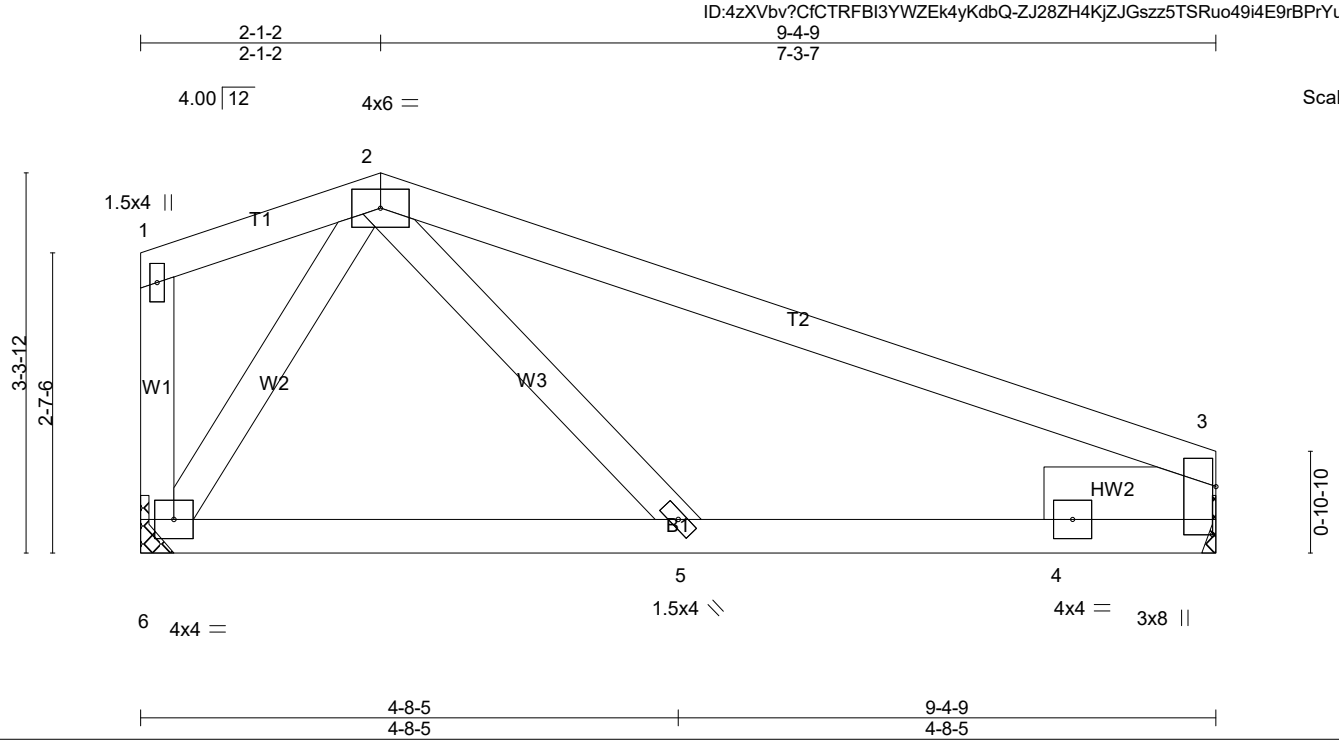


Plate Offsets (X,Y)-- [3:0-5-0,0-0-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.02	5-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.17	Vert(CT)	-0.02	5-9	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.01	5-9	>999	240	Weight: 46 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.1 -È 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 3=369/Mechanical, 6=369/Mechanical
Max Horz 3=-91(LC 6)
Max Uplift3=-27(LC 8), 6=-30(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-452/41
BOT CHORD 4-5=-12/365, 3-4=-194/575
WEBS 2-5=0/264, 2-6=-416/76

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 6.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

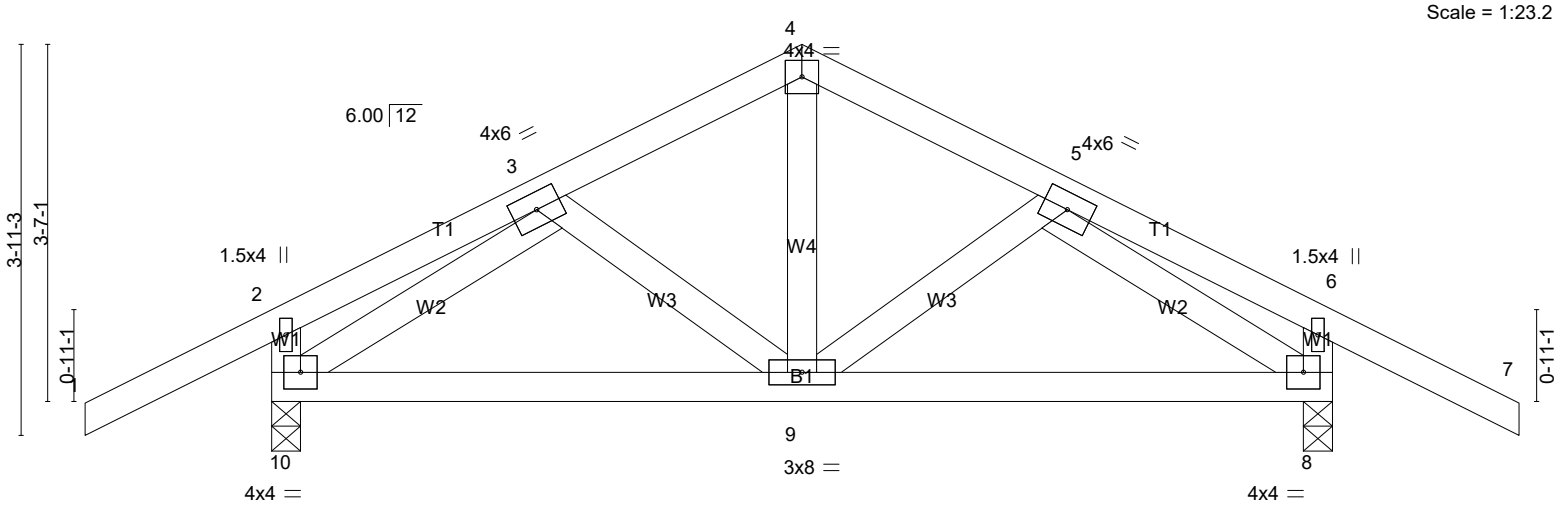
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T13	Common	2	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:32 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-1VbWmd5zUsR7U7YI0Ay7LHhvqeW2ws5h7jUEEnzvpb1

-1-10-8	2-9-12	5-4-0	7-10-4	10-8-0	12-6-8
1-10-8	2-9-12	2-6-4	2-6-4	2-9-12	1-10-8

Scale = 1:23.2



5-4-0	10-8-0
5-4-0	5-4-0

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.01	9-10	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.02	9-10	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.00	9	>999	240	Weight: 64 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 10=536/0-3-8 (min. 0-1-8), 8=536/0-3-8 (min. 0-1-8)
Max Horz 10=-93(LC 6)
Max Uplift10=-101(LC 8), 8=-101(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-383/40, 4-5=-383/40
BOT CHORD 9-10=0/352, 8-9=0/337
WEBS 3-10=-439/66, 5-8=-439/66

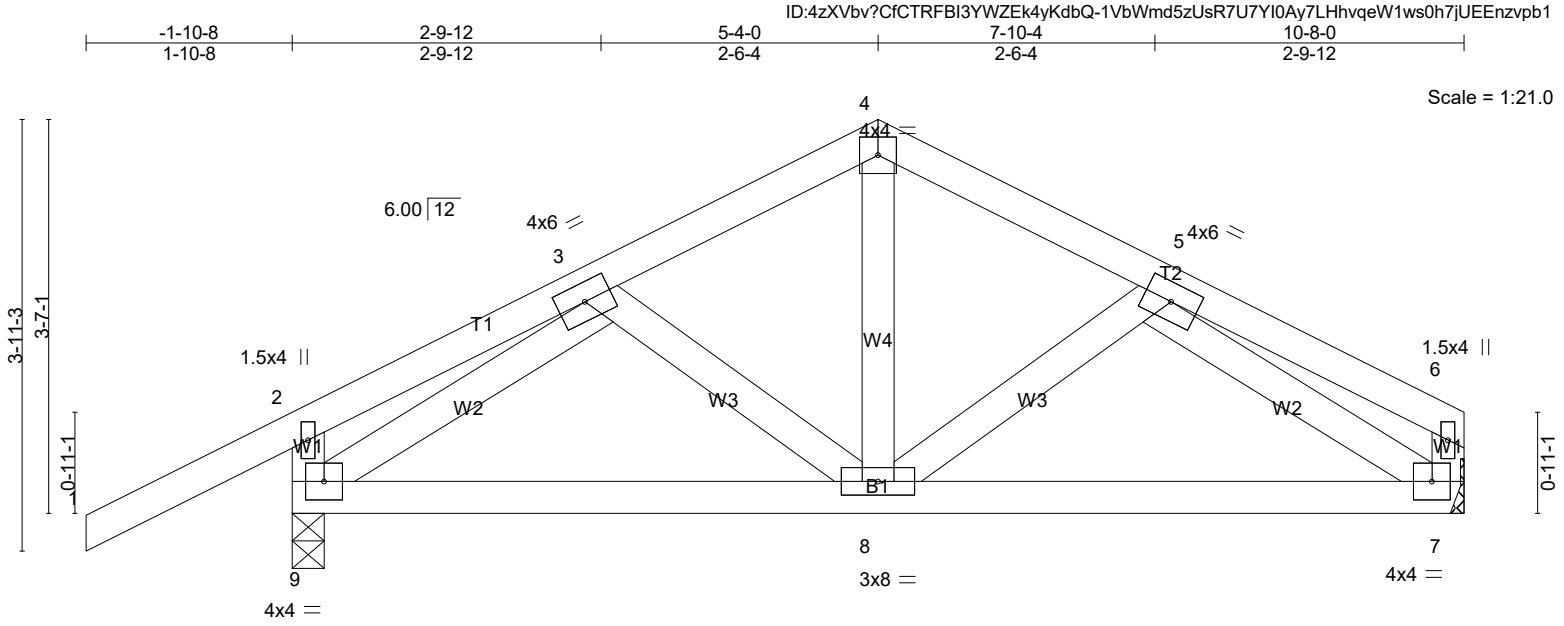
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=101, 8=101.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T14	Common	3	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:32 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-1VbWmd5zUsR7U7YI0Ay7LHhvqeW1ws0h7jUEEnzvpb1



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.01	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	-0.02	8-9	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.00	8	>999	240	Weight: 61 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 9=548/0-3-8 (min. 0-1-8), 7=403/Mechanical
Max Horz 9=90(LC 7)
Max Uplift9=-107(LC 8), 7=-26(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-404/50, 4-5=-406/51
BOT CHORD 8-9=-5/353, 7-8=-14/391
WEBS 3-9=-456/74, 5-7=-371/41

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 9=107.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T15	Common	5	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:33 2023 Page 1

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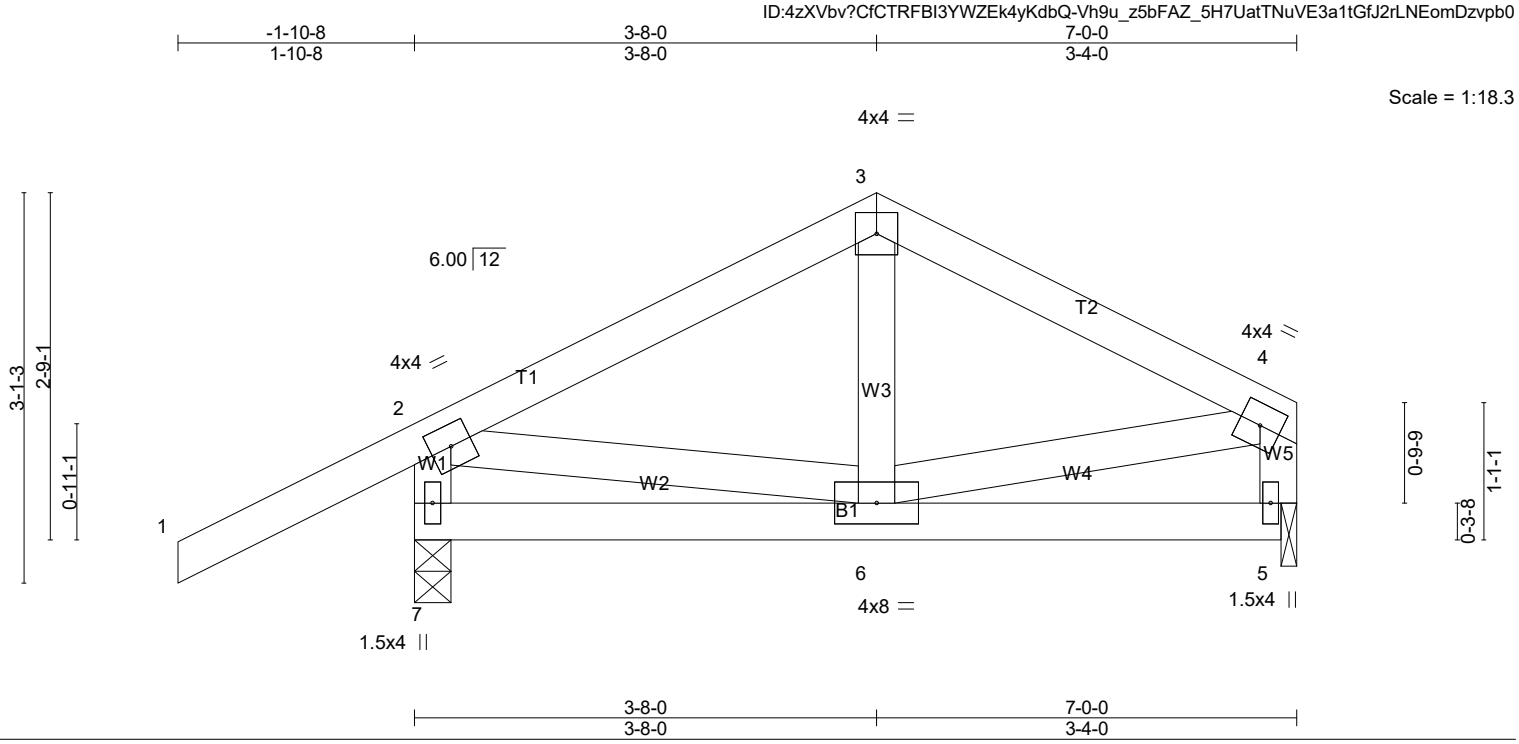


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	-0.00	6-7	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.05	Vert(CT)	-0.01	6-7	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.00	7	>999	240	Weight: 39 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 7=408/0-3-8 (min. 0-1-8), 5=250/0-1-8 (min. 0-1-8)
Max Horz 7=78(LC 7)
Max Uplift7=-99(LC 8), 5=-12(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-252/25, 2-7=-379/115

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Bearing at joint(s) 5 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) 5.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 5.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

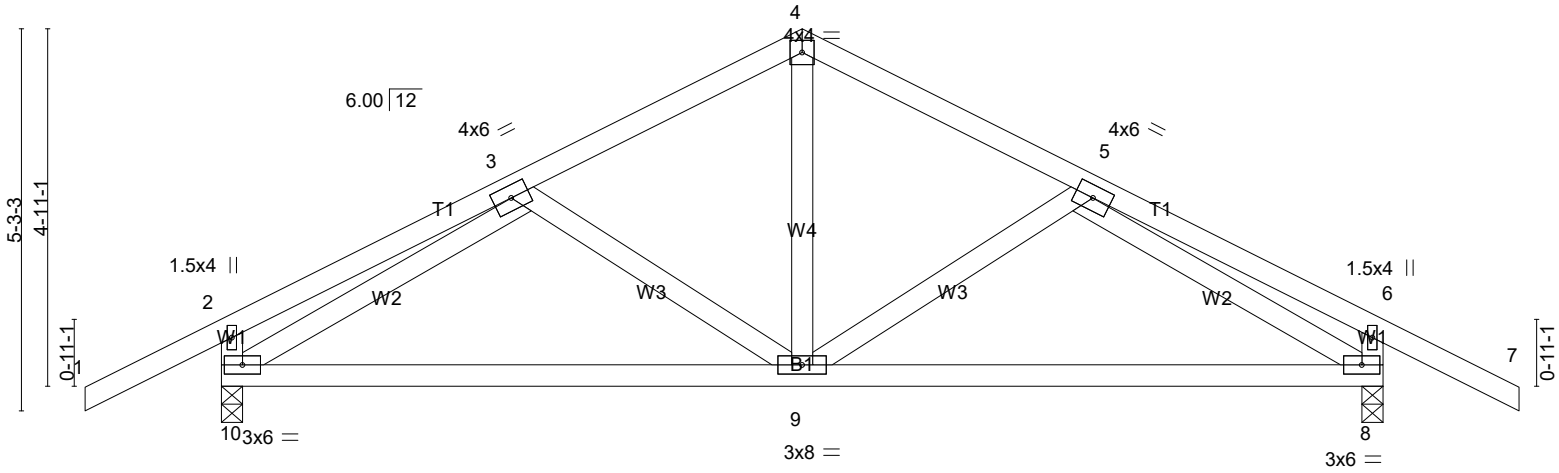
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T16	Common	5	1	Job Reference (optional)

C&R Building Supply, Autryville NC — 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:33 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-Vh9u_z5bFAZ_5H7UatTNuVE1D1q5fGTrLNEomDzvpb0

-1-10-8	4-1-12	8-0-0	11-10-4	16-0-0	17-10-8
1-10-8	4-1-12	3-10-4	3-10-4	4-1-12	1-10-8

Scale: 3/8"=1'



8-0-0	16-0-0
8-0-0	8-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.43	Vert(LL)	-0.05	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	-0.10	8-9	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.01	9	>999	240	Weight: 92 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 10=750/0-3-8 (min. 0-1-8), 8=750/0-3-8 (min. 0-1-8)
Max Horz 10=-119(LC 6)
Max Uplift10=-118(LC 8), 8=-118(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-663/75, 4-5=-663/75, 2-10=-305/93, 6-8=-305/93
BOT CHORD 9-10=0/651, 8-9=0/651
WEBS 4-9=0/365, 3-10=-661/119, 5-8=-661/119

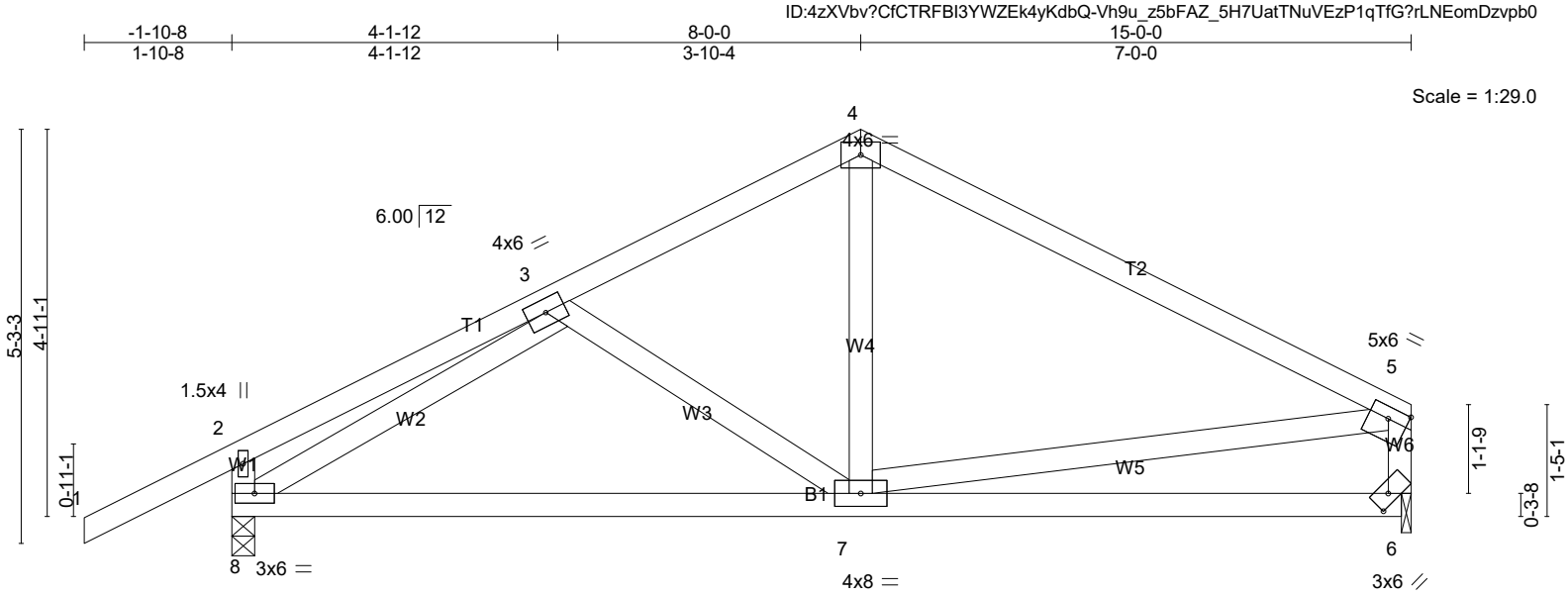
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=118, 8=118.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T17	Common	2	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:33 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-Vh9u_z5bFAZ_5H7UatTNuVEzP1qTfG?rLNEomDzvpb0



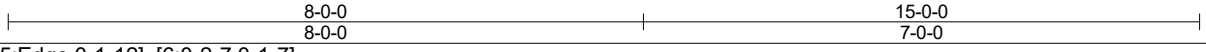


Plate Offsets (X,Y)-- [5:Edge,0-1-12], [6:0-2-7,0-1-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.67	Vert(LL)	-0.05	7-8	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.23	Vert(CT)	-0.10	7-8	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.01	7	>999	240	Weight: 82 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 8=718/0-3-8 (min. 0-1-8), 6=580/0-1-8 (min. 0-1-8)
Max Horz 8=126(LC 7)
Max Uplift8=-118(LC 8), 6=-41(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-611/81, 4-5=-658/72, 5-6=-515/77, 2-8=-314/99
BOT CHORD 7-8=-20/597
WEBS 4-7=0/288, 5-7=0/322, 3-8=-588/110

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Bearing at joint(s) 6 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) 6.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 8=118.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T17A	QUEENPOST	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:34 2023 Page 1

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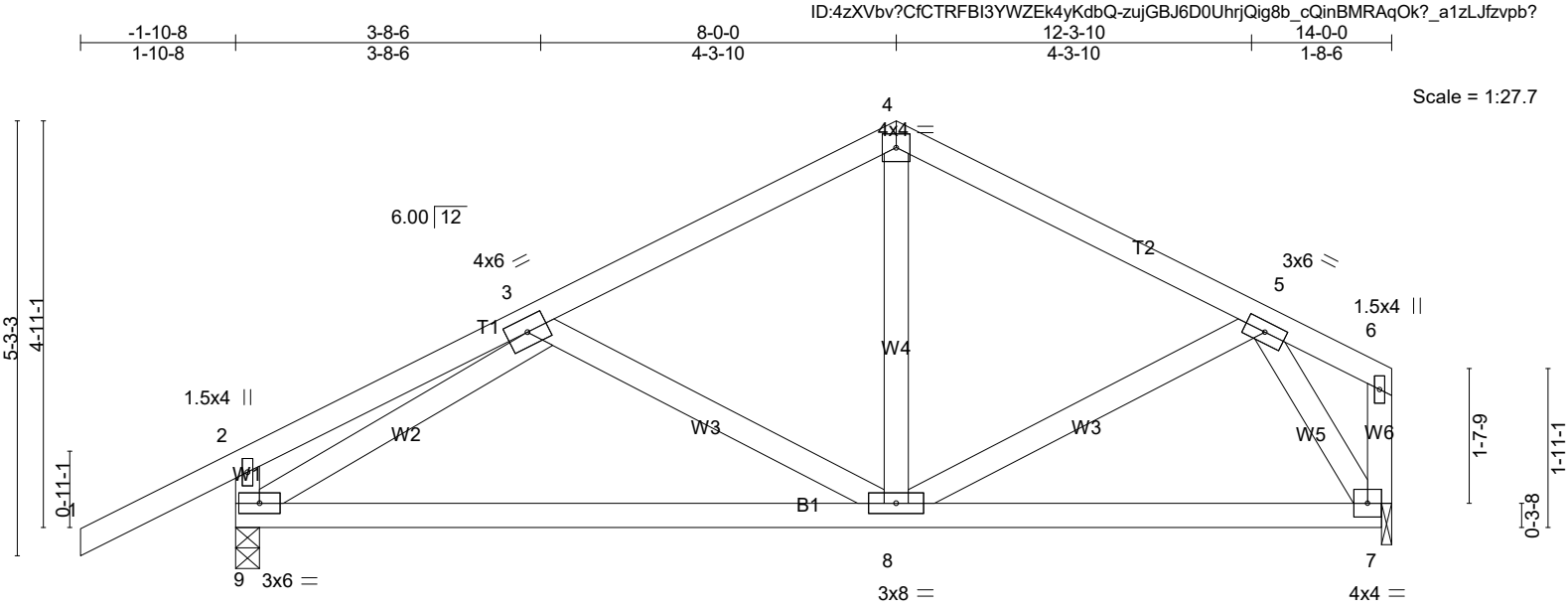

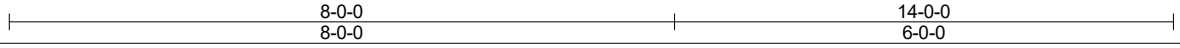

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.06	8-9	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.12	8-9	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.01	8	>999	240	Weight: 81 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 9=679/0-3-8 (min. 0-1-8), 7=539/0-1-8 (min. 0-1-8)
Max Horz 9=135(LC 7)
Max Uplift9=-115(LC 8), 7=-38(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-532/73, 4-5=-534/73, 2-9=-270/78
BOT CHORD 8-9=-43/549, 7-8=-10/305
WEBS 4-8=0/252, 5-7=-570/78, 3-9=-580/144

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Bearing at joint(s) 7 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) 7.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 9=115.
8) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T18	FAN	6	1	Job Reference (optional)

C&R Building Supply, Autryville NC — 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:34 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-zujGBJ6D0UhrjQig8b_cQinE5R6IOh2_a1zLJfzvpb?

-1-10-8 | 5-10-7 | 11-3-4 | 16-8-0 | 22-0-12 | 27-5-9 | 33-4-0

1-10-8 | 5-10-7 | 5-4-12 | 5-4-12 | 5-4-12 | 5-4-12 | 5-10-7

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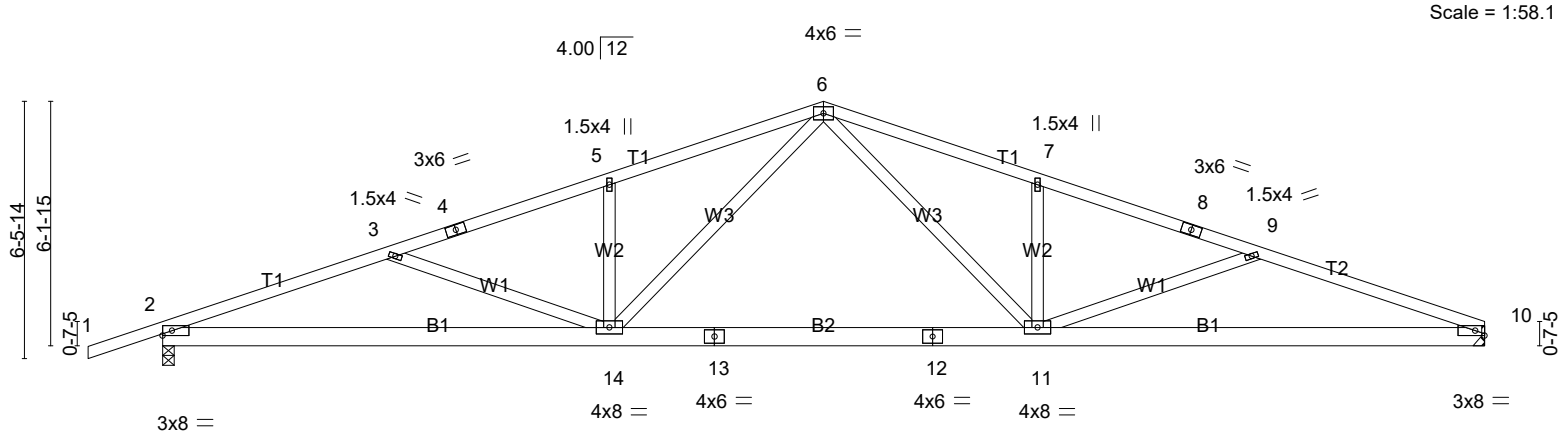


11-3-4 | 22-0-12 | 33-4-0

11-3-4 | 10-9-9 | 11-3-4

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.19	11-14	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.51	Vert(CT)	-0.38	11-14	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.14	11-14	>999	240	Weight: 184 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 2=1449/0-3-8 (min. 0-1-11), 10=1330/Mechanical
Max Horz 2=84(LC 7)
Max Uplift2=-169(LC 8), 10=-101(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3134/295, 3-4=-2734/198, 4-5=-2687/213, 5-6=-2741/275, 6-7=-2754/283, 7-8=-2700/221, 8-9=-2748/206, 9-10=-3163/312
BOT CHORD 2-14=-233/2913, 13-14=-75/1902, 12-13=-75/1902, 11-12=-75/1902, 10-11=-252/2943
WEBS 5-14=-365/132, 7-11=-361/130, 3-14=-412/133, 6-14=-50/970, 6-11=-61/986, 9-11=-431/144

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=33ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=169, 10=101.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T19	Common	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC

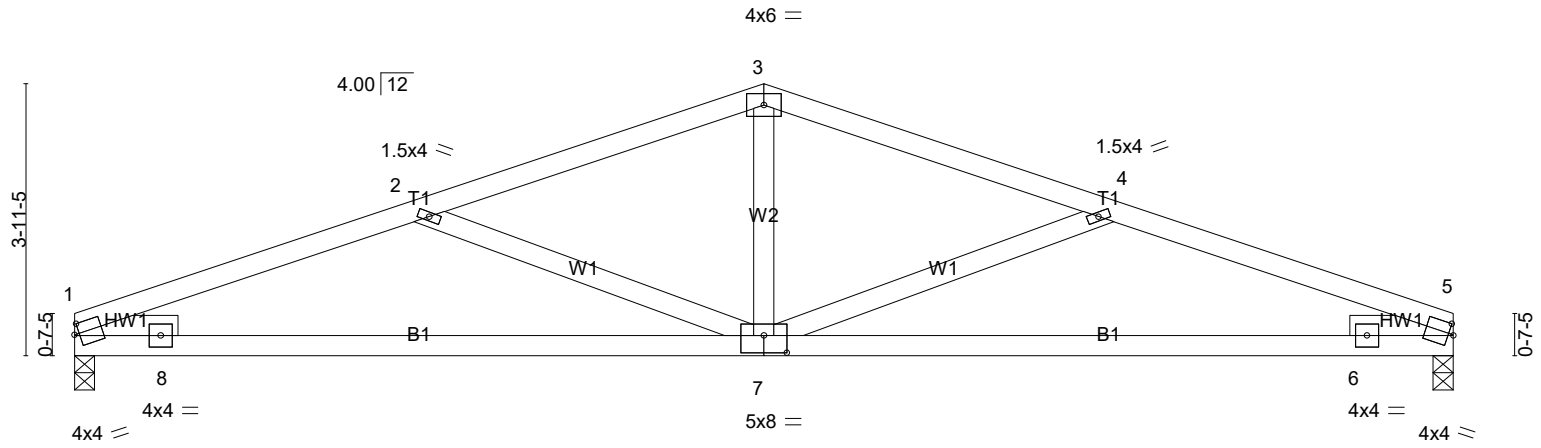
8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:35 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-R4HePf7rnnpiLaHtilWrzwJQSrUy7Bq8phjur6zvpb_

5-1-12 | 10-0-0 | 14-10-4 | 20-0-0

5-1-12 | 4-10-4 | 4-10-4 | 5-1-12

Scale = 1:33.4



10-0-0 | 20-0-0

10-0-0 | 10-0-0

Plate Offsets (X,Y)-- [1:0-0-14,0-1-12], [5:0-0-14,0-1-14], [7:0-4-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.09	7-11	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.35	Vert(CT)	-0.19	7-11	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.03	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.05	7	>999	240	Weight: 86 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP 2400F 2.0E
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 -È 1-6-0, Right 2x4 SP No.3 -È 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 1=800/0-3-8 (min. 0-1-8), 5=800/0-3-8 (min. 0-1-8)
Max Horz 1=41(LC 7)
Max Uplift1=-62(LC 8), 5=-62(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1651/181, 2-3=-1267/110, 3-4=-1267/110, 4-5=-1651/181
BOT CHORD 1-8=-206/794, 7-8=-131/1529, 6-7=-131/1529, 5-6=-206/794
WEBS 2-7=-438/117, 3-7=0/519, 4-7=-438/117

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	T20	FAN	5	1	Job Reference (optional)

C&R Building Supply, Autryville NC — 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:35 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-R4HePf7rnnpiLaHtilWrzwJPLrS178J8phjur6zvpb_

5-10-7	11-3-4	16-8-0	22-0-12	27-5-9	33-4-0
5-10-7	5-4-12	5-4-12	5-4-12	5-4-12	5-10-7

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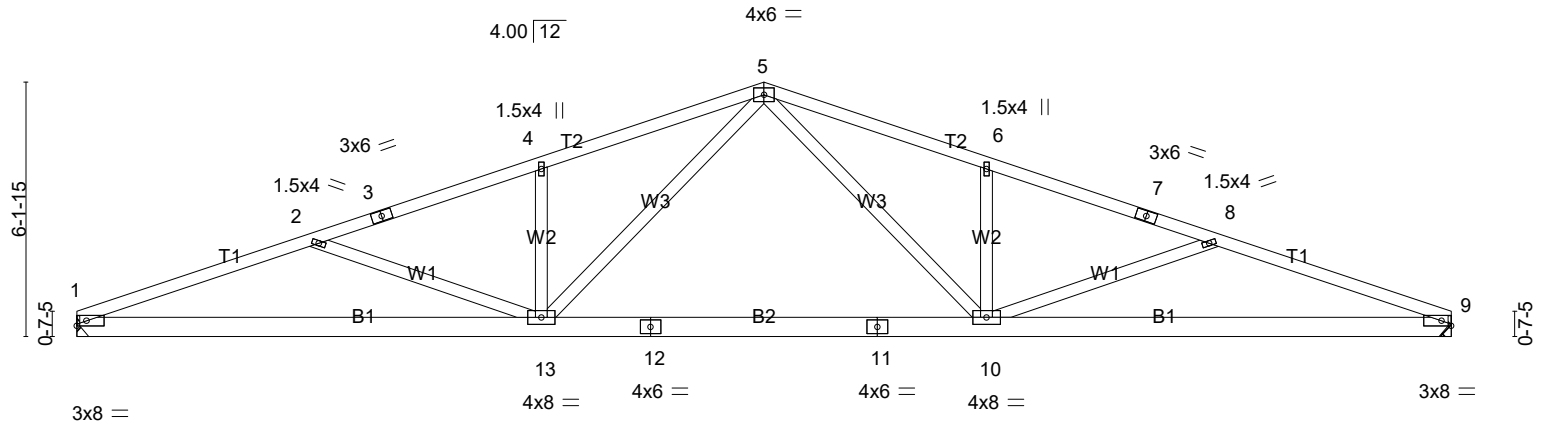


11-3-4	22-0-12	33-4-0
11-3-4	10-9-9	11-3-4

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.19	10-13	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.48	Vert(CT)	-0.38	10-13	>999	360		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-AS		Wind(LL)	0.14	10-13	>999	240	Weight: 181 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x6 SP No.1
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

REACTIONS. (lb/size) 1=1333/Mechanical, 9=1333/Mechanical
Max Horz 1=74(LC 7)
Max Uplift1=-103(LC 8), 9=-103(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3172/317, 2-3=-2756/211, 3-4=-2708/226, 4-5=-2762/288, 5-6=-2762/288, 6-7=-2708/226, 7-8=-2756/211, 8-9=-3172/317
BOT CHORD 1-13=-256/2951, 12-13=-81/1913, 11-12=-81/1913, 10-11=-81/1913, 9-10=-256/2951
WEBS 4-13=-361/130, 6-10=-361/130, 2-13=-431/144, 5-13=-59/985, 5-10=-59/985, 8-10=-431/144

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=33ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=103, 9=103.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

LOAD CASE(S) Standard

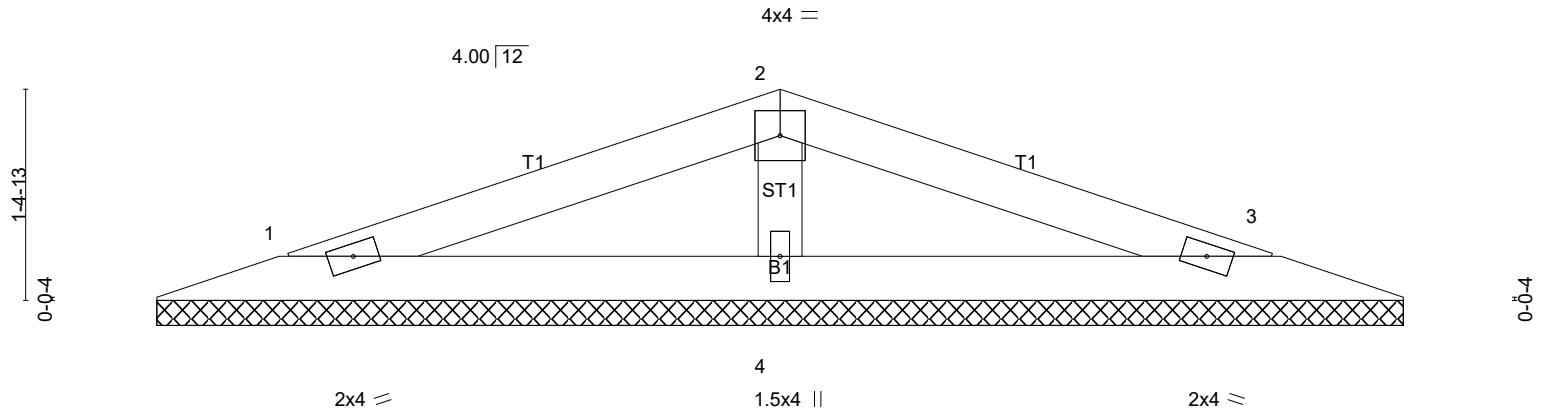
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	V1	Valley	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:36 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-wGr1c?8TY5xZzkr3F014V7sdoFu0shLH1LSSMYzvpaz

4-2-8 / 4-2-8 — 8-5-0 / 4-2-8

Scale = 1:15.3



0-0-12 / 0-0-12 — 8-5-0 / 8-4-4

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 24 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

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

REACTIONS. (lb/size) 1=127/8-3-8 (min. 0-1-8), 3=127/8-3-8 (min. 0-1-8), 4=269/8-3-8 (min. 0-1-8)
Max Horz 1=-13(LC 6)
Max Uplift1=-19(LC 8), 3=-19(LC 8), 4=-2(LC 8)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	V2	Valley	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:36 2023 Page 1

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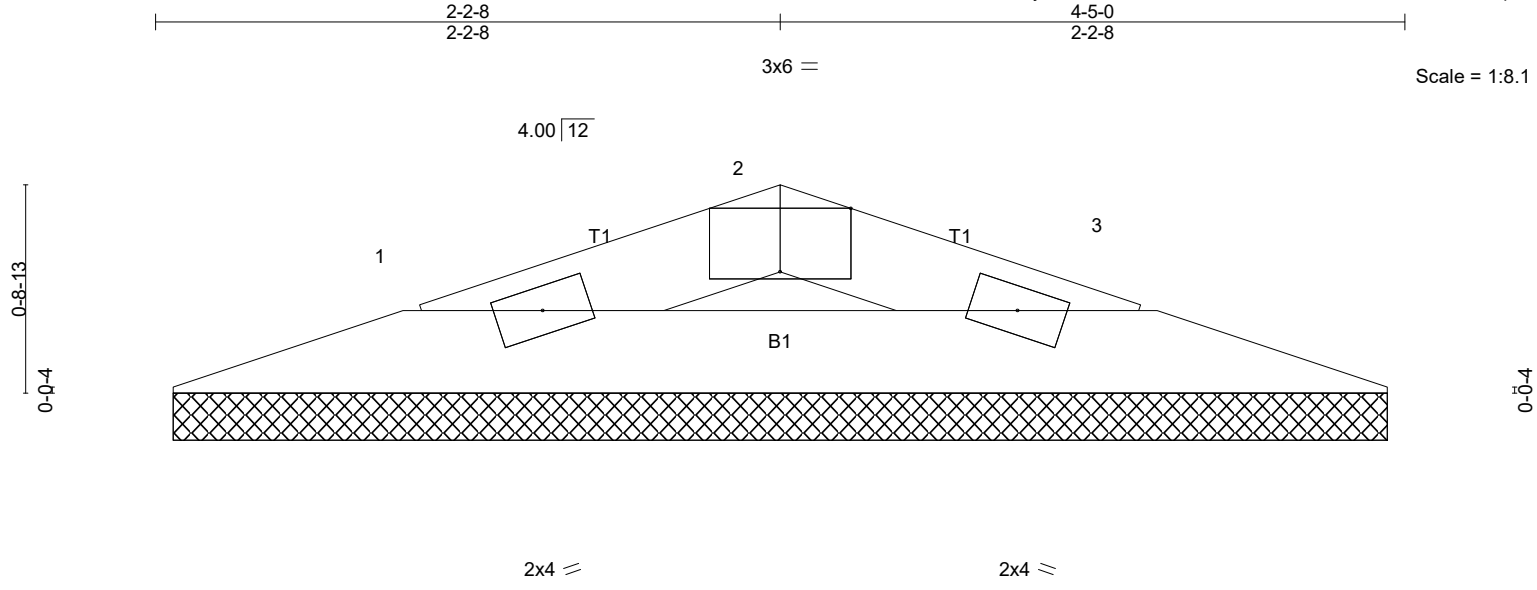

Plate Offsets (X,Y)-- [2:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.01	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 10 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-0 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=101/4-3-8 (min. 0-1-8), 3=101/4-3-8 (min. 0-1-8)
Max Horz 1=5(LC 7)
Max Uplift1=-8(LC 8), 3=-8(LC 8)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	V3	Valley	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:37 2023 Page 1

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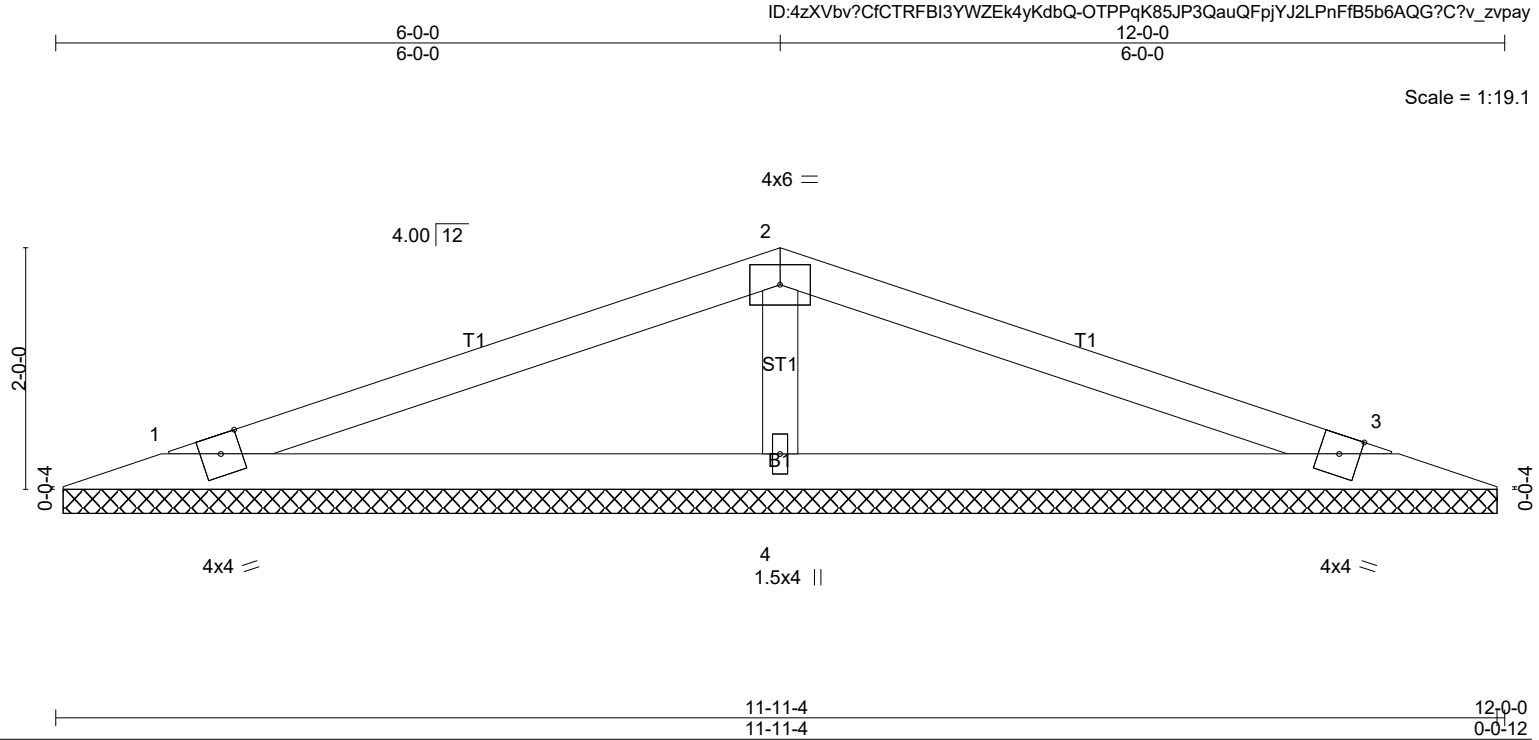

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.25	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 36 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

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

REACTIONS. (lb/size) 1=175/11-10-8 (min. 0-1-8), 3=175/11-10-8 (min. 0-1-8), 4=460/11-10-8 (min. 0-1-8)
Max Horz 1=-21(LC 6)
Max Uplift 1=-21(LC 8), 3=-21(LC 8), 4=-20(LC 8)
Max Grav 1=180(LC 19), 3=180(LC 20), 4=460(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-318/84

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	V4	Valley	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:37 2023 Page 1

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4-0-0 8-0-0
4-0-0 4-0-0

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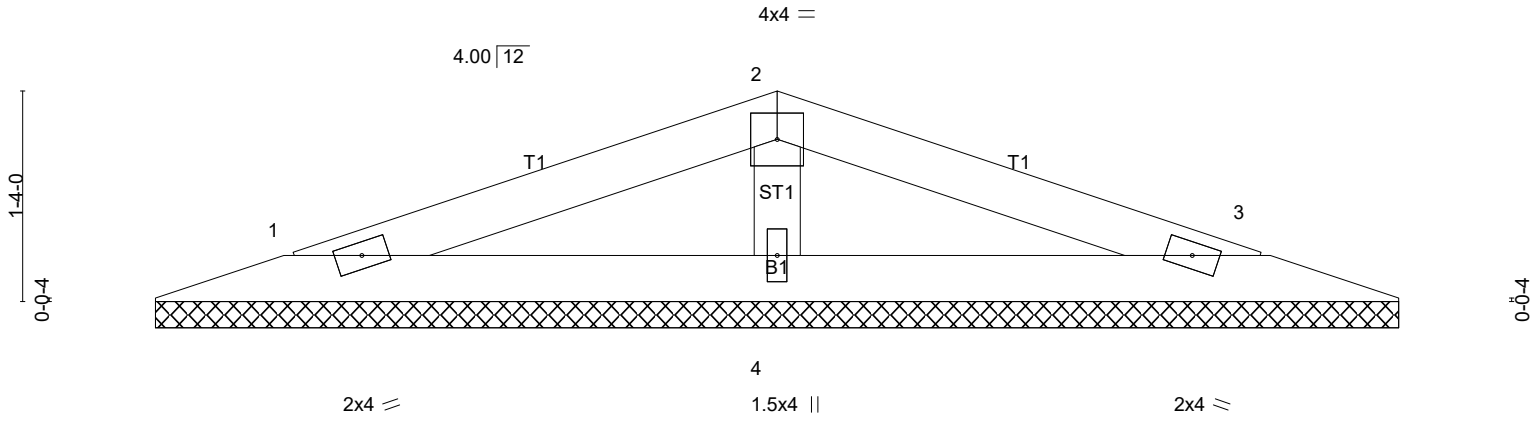

0-0-12 8-0-0
0-0-12 7-11-4

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 22 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

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

REACTIONS. (lb/size) 1=119/7-10-8 (min. 0-1-8), 3=119/7-10-8 (min. 0-1-8), 4=252/7-10-8 (min. 0-1-8)
Max Horz 1=13(LC 7)
Max Uplift1=-18(LC 8), 3=-18(LC 8), 4=-2(LC 8)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	V5	Valley	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:37 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-OTPPqK85JP3QauQFpjYJ2LPoKfCwb7IQG?C?v_zvpay

8-10-8 17-9-0
8-10-8 8-10-8

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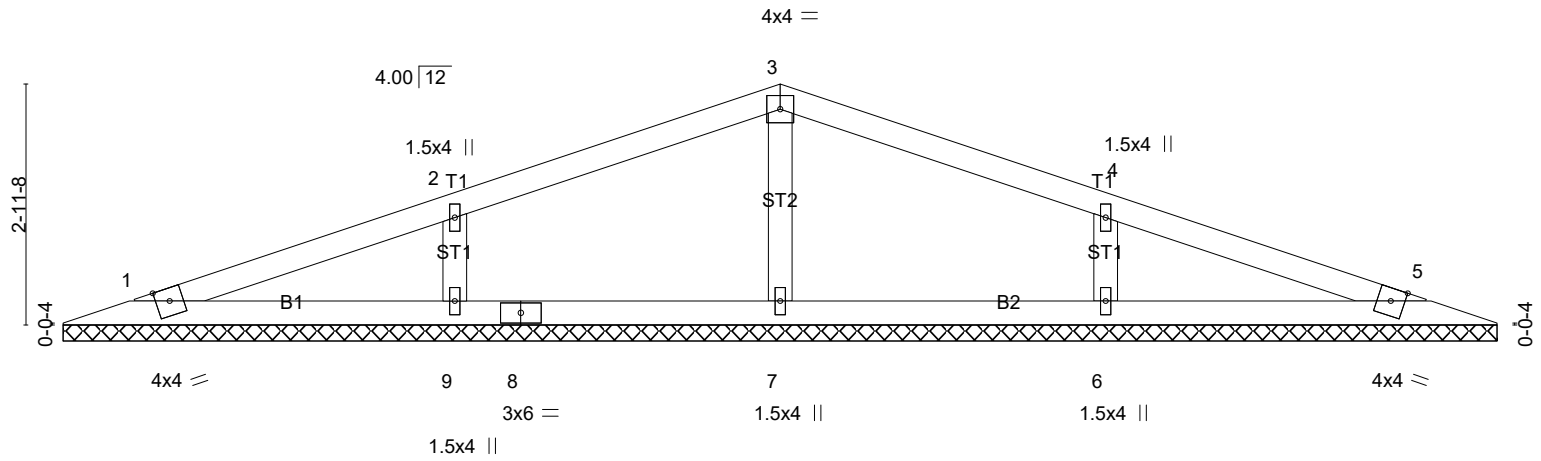

0-0-12 17-9-0
0-0-12 17-8-4

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 58 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

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

REACTIONS. All bearings 17-7-8.
(lb) - Max Horz 1=-33(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 9, 6
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=270(LC 1), 9=378(LC 19), 6=378(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-285/97, 4-6=-285/97

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 9, 6.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	V6	Valley	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:38 2023 Page 1

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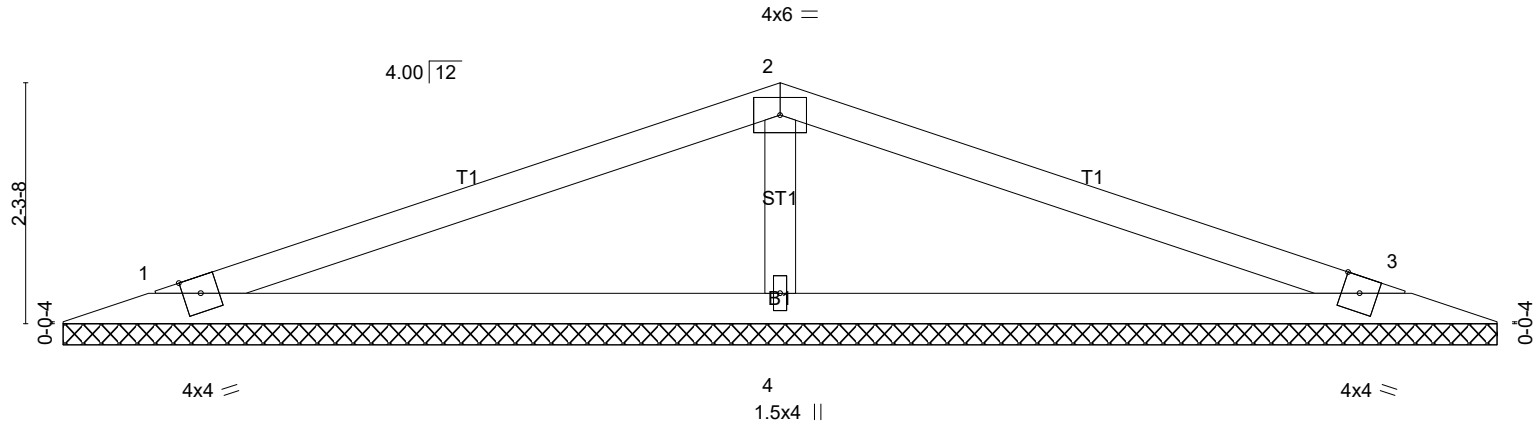
6-10-8 13-9-0
6-10-8 6-10-8

Scale = 1:21.9



13-8-4 13-9-0
13-8-4 0-0-12

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.34	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 41 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

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

REACTIONS. (lb/size) 1=205/13-7-8 (min. 0-1-8), 3=205/13-7-8 (min. 0-1-8), 4=539/13-7-8 (min. 0-1-8)
Max Horz 1=-24(LC 6)
Max Uplift 1=-25(LC 8), 3=-25(LC 8), 4=-23(LC 8)
Max Grav 1=211(LC 19), 3=211(LC 20), 4=539(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-373/98

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	V7	Valley	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:38 2023 Page 1

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4-10-8 9-9-0
4-10-8 4-10-8

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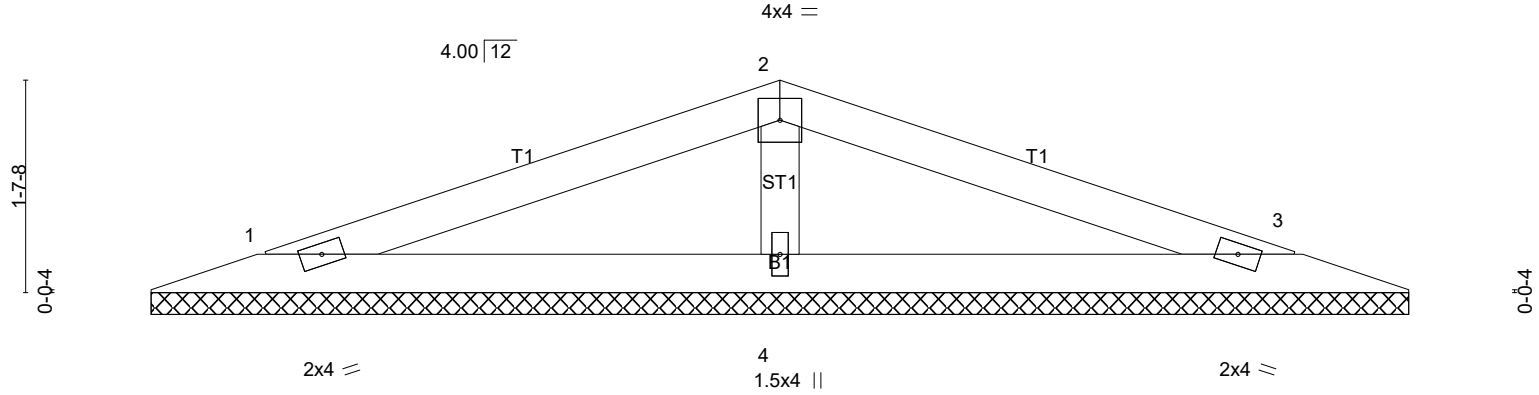

9-8-4 9-9-0
9-8-4 0-0-12

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 28 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

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

REACTIONS. (lb/size) 1=136/9-7-8 (min. 0-1-8), 3=136/9-7-8 (min. 0-1-8), 4=357/9-7-8 (min. 0-1-8)
Max Horz 1=-16(LC 6)
Max Uplift 1=-17(LC 8), 3=-17(LC 8), 4=-15(LC 8)
Max Grav 1=140(LC 19), 3=140(LC 20), 4=357(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	V8	Valley	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:38 2023 Page 1

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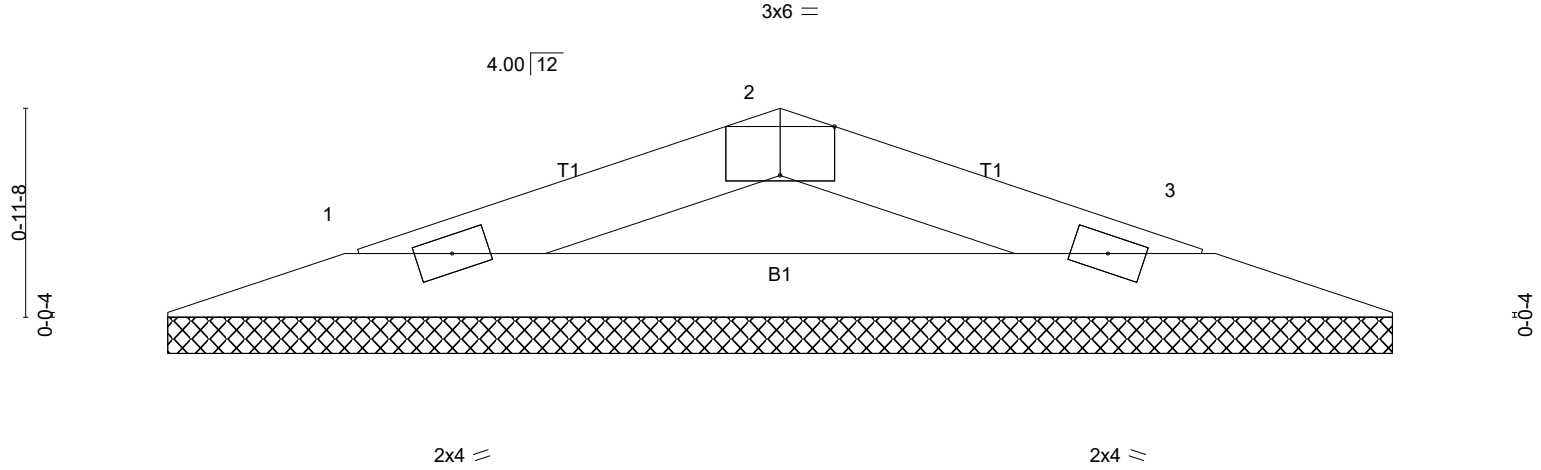
2-10-8 5-9-0
2-10-8 2-10-8

Scale = 1:10.6



0-0-12 5-9-0
0-0-12 5-8-4

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.19	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 14 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP No.2

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

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

REACTIONS. (lb/size) 1=155/5-7-8 (min. 0-1-8), 3=155/5-7-8 (min. 0-1-8)
Max Horz 1=-8(LC 6)
Max Uplift1=-12(LC 8), 3=-12(LC 8)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

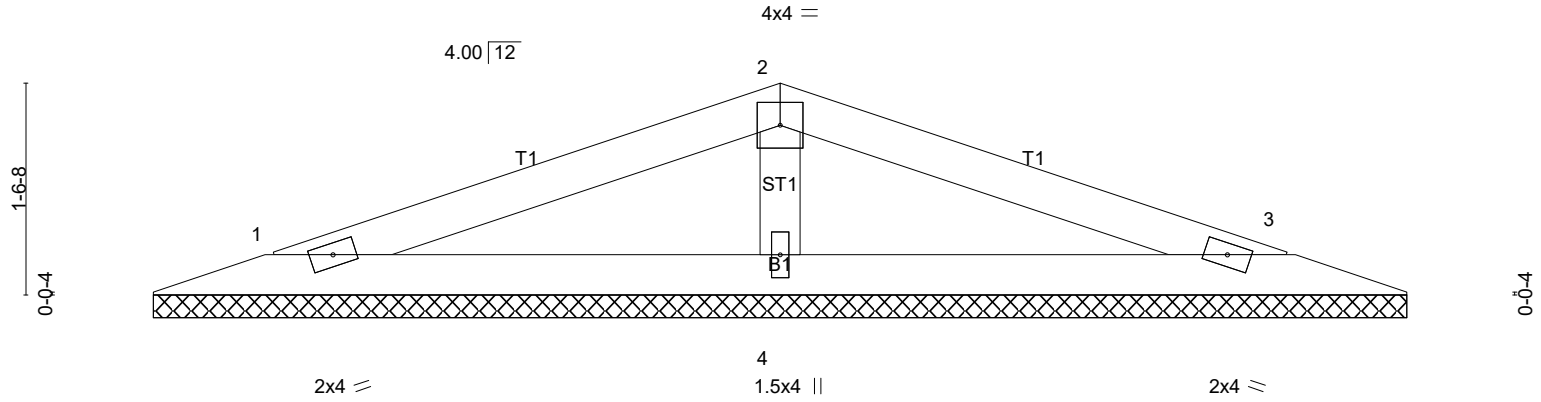
Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	V9	Valley	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:39 2023 Page 1

ID:4zXVbv?CfCTRFBI3YWZEk4yKdbQ-KrW9E0AMr0K8qCaex8an7mU84SuM31yjkJh6ztzvpaw

4-7-8 9-3-0
4-7-8 4-7-8

Scale = 1:16.8



9-2-4 9-3-0
9-2-4 0-0-12

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-S							Weight: 27 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

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

REACTIONS. (lb/size) 1=127/9-1-8 (min. 0-1-8), 3=127/9-1-8 (min. 0-1-8), 4=335/9-1-8 (min. 0-1-8)
Max Horz 1=-15(LC 6)
Max Uplift 1=-16(LC 8), 3=-16(LC 8), 4=-14(LC 8)
Max Grav 1=131(LC 19), 3=131(LC 20), 4=335(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Whittenton Bldrs/Miller
27070A	V10	Valley	1	1	Job Reference (optional)

C&R Building Supply, Autryville NC 8.430 s Jan 20 2021 MiTek Industries, Inc. Fri Jan 13 10:05:39 2023 Page 1

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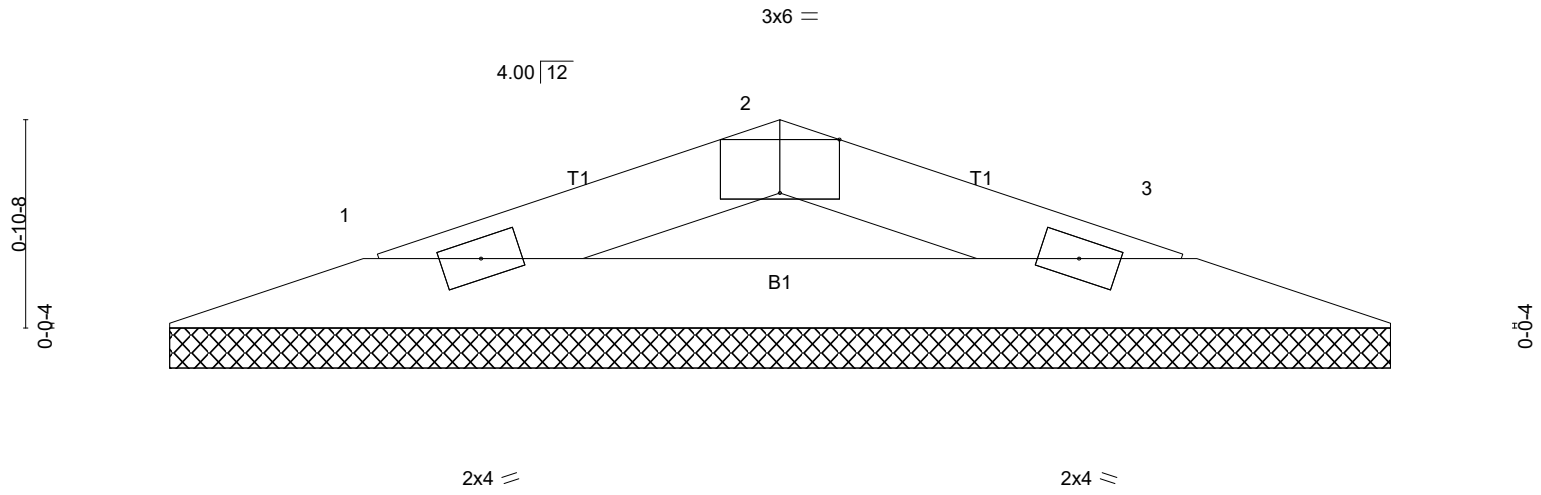
2-7-8 5-3-0
2-7-8 2-7-8

Scale = 1:9.7



5-2-4 5-3-0
5-2-4 0-0-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.02	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code IRC2018/TPI2014		Matrix-P							Weight: 13 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP 2400F 2.0E
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-0 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=135/5-1-8 (min. 0-1-8), 3=135/5-1-8 (min. 0-1-8)
Max Horz 1=-7(LC 6)
Max Uplift1=-10(LC 8), 3=-10(LC 8)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=140mph (3-second gust) Vasd=111mph; TCDL=6.0psf; BCDL=6.0psf; h=20ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
7) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard