Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	A1	Common	2	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 — Run: 8.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:20 2021 Page 1

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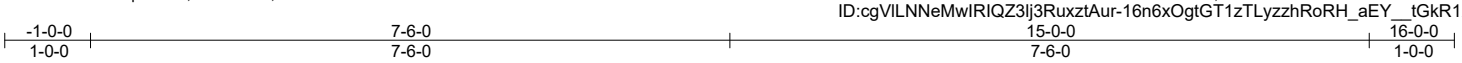

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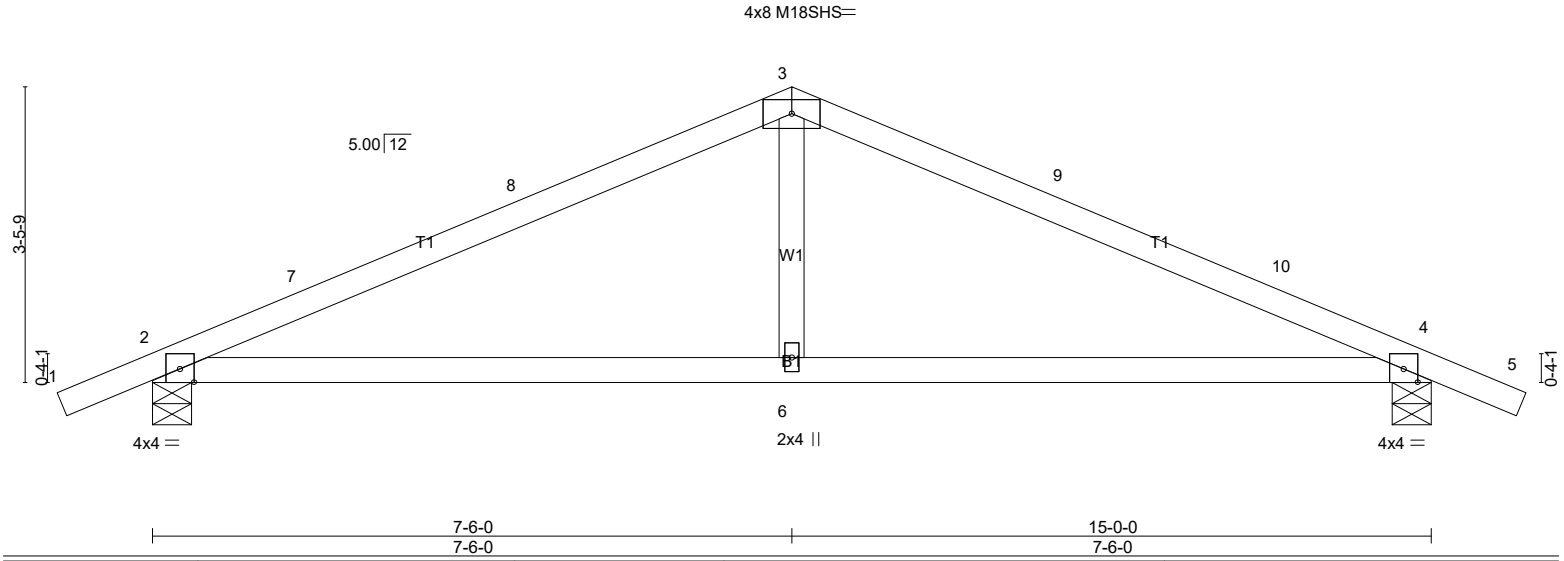

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.59	Vert(LL)	-0.11	4-6	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.39	Vert(CT)	-0.16	2-6	>999	240	M18SHS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.02	4	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.03	4-6	>999	240	Weight: 49 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
WEBS 2x4 DF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-8 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=838/0-5-8 (min. 0-1-8), 4=838/0-5-8 (min. 0-1-8)
Max Horz 2=36(LC 11)
Max Uplift 2=-75(LC 12), 4=-75(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-1205/181, 7-8=-1094/190, 3-8=-980/203, 3-9=-980/203, 9-10=-1094/190, 4-10=-1205/181
BOT CHORD 2-6=-107/1003, 4-6=-107/1003
WEBS 3-6=0/289

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-0-11 to 1-11-5, Interior(1) 1-11-5 to 7-6-0, Exterior(2R) 7-6-0 to 10-6-0, Interior(1) 10-6-0 to 16-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	A1G	Common Supported Gable	1	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:21 2021 Page 1
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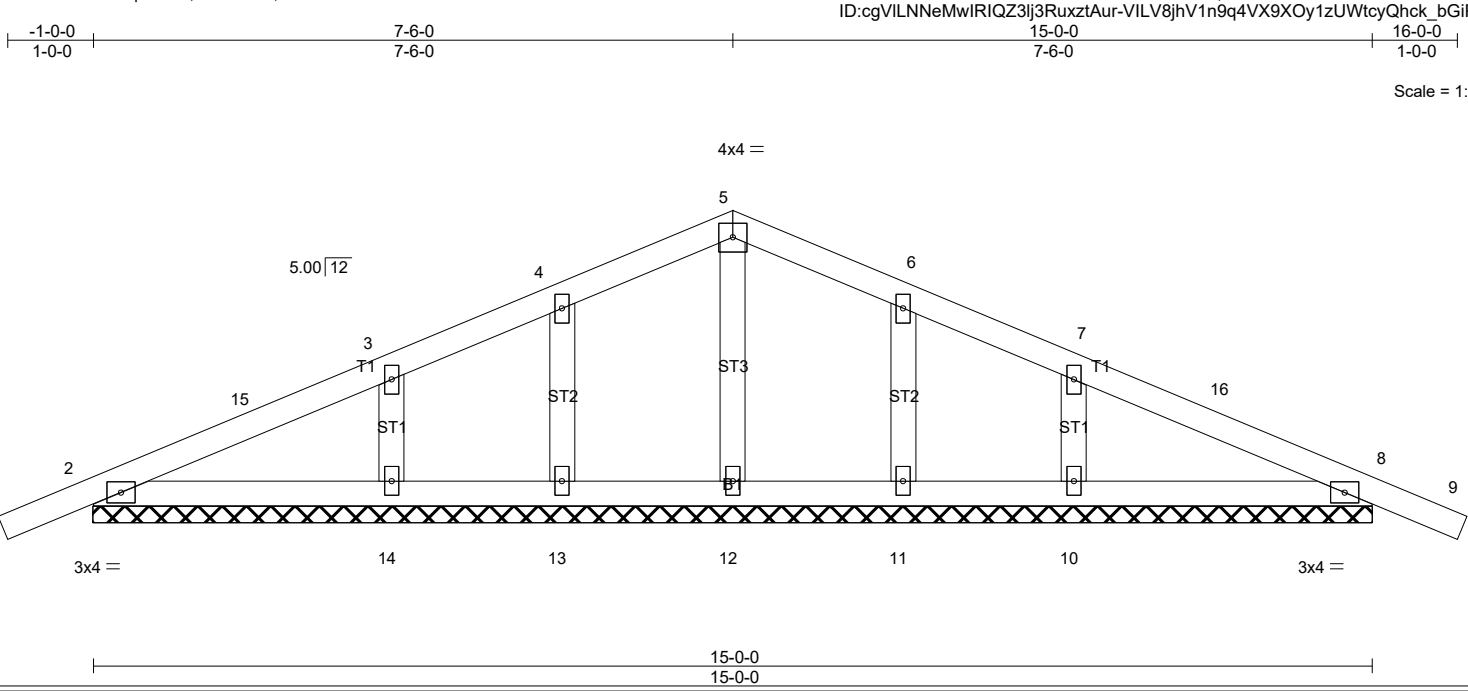

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.10	Vert(LL)	0.00	9	n/r	120	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 58 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
OTHERS 2x4 DF Stud/Std

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 15-0-0.
(lb) - Max Horz2=-36(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 14, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 12, 13, 11 except 2=258(LC 1), 8=258(LC 1), 14=329(LC 1), 10=329(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-14=-267/117, 7-10=-267/117

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-0-11 to 1-11-5, Exterior(2N) 1-11-5 to 7-6-0, Corner(3R) 7-6-0 to 10-6-0, Exterior(2N) 10-6-0 to 16-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 14, 11, 10.
10) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	B1	Common	1	1	Job Reference (optional)

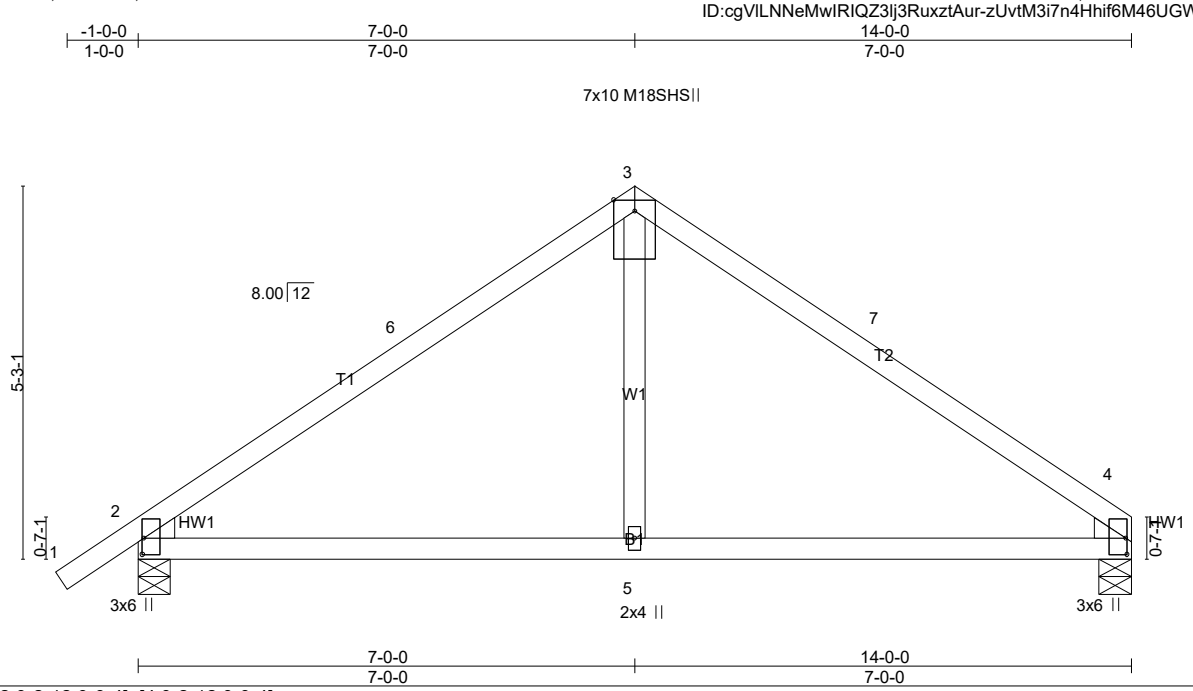

Plate Offsets (X,Y)-- [2:0-2-12,0-0-4], [4:0-2-12,0-0-4]

LOADING(psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.09	4-5	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.13	4-5	>999	240	M18SHS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	4	n/a	n/a		
BCDL	7.0	Code IRC2018/TPI2014		Matrix-R		Wind(LL)	0.03	4-5	>999	240	Weight: 51 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
WEBS 2x4 DF Stud/Std
WEDGE
Left: 2x4 DF Stud/Std , Right: 2x4 DF Stud/Std

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

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

REACTIONS. (lb/size) 2=795/0-5-8 (min. 0-1-8), 4=672/0-5-8 (min. 0-1-8)
Max Horz 2=82(LC 11)
Max Uplift 2=-75(LC 12), 4=-37(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-6=-855/90, 3-6=-546/108, 3-7=-543/110, 4-7=-852/92
BOT CHORD 2-5=-14/567, 4-5=-14/567
WEBS 3-5=0/273

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-1-0 to 1-11-0, Interior(1) 1-11-0 to 7-0-0, Exterior(2R) 7-0-0 to 10-0-0, Interior(1) 10-0-0 to 13-9-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) 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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	B1G	Common Supported Gable	1	1	Job Reference (optional)

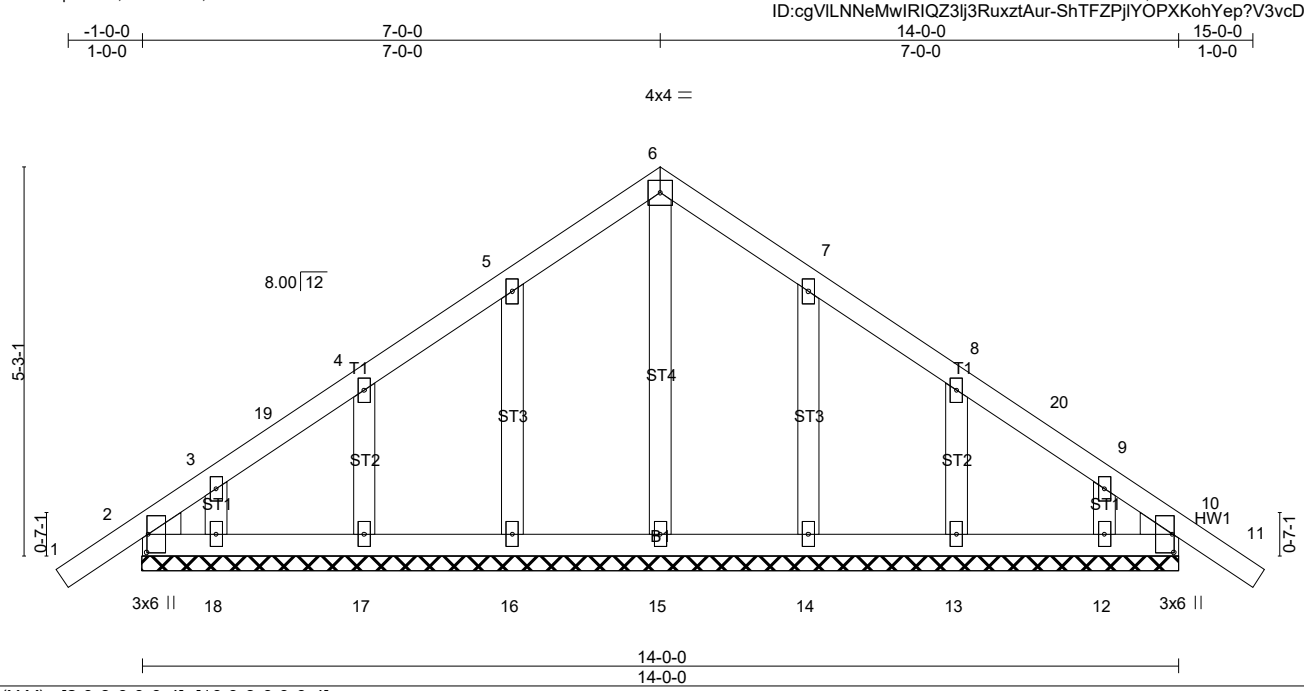

Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [10:0-3-0,0-0-4]

LOADING(psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	-0.00	11	n/r	120	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	-0.00	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	10	n/a	n/a		
BCDL	7.0	Code IRC2018/TPI2014		Matrix-R							Weight: 70 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
OTHERS 2x4 DF Stud/Std
WEDGE
Left: 2x4 DF Stud/Std , Right: 2x4 DF Stud/Std

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

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

REACTIONS. All bearings 14-0-0.
(lb) - Max Horz2=84(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 16, 17, 18, 14, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 16, 17, 18, 14, 13, 12

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=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-1-0 to 1-11-0, Exterior(2N) 1-11-0 to 7-0-0, Corner(3R) 7-0-0 to 10-0-0, Exterior(2N) 10-0-0 to 15-1-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 16, 17, 18, 14, 13, 12.
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	Rockwell/Dalton1/21(ID)DG
B0083-21	B2	Common Girder	1	2	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:25 2021 Page 1
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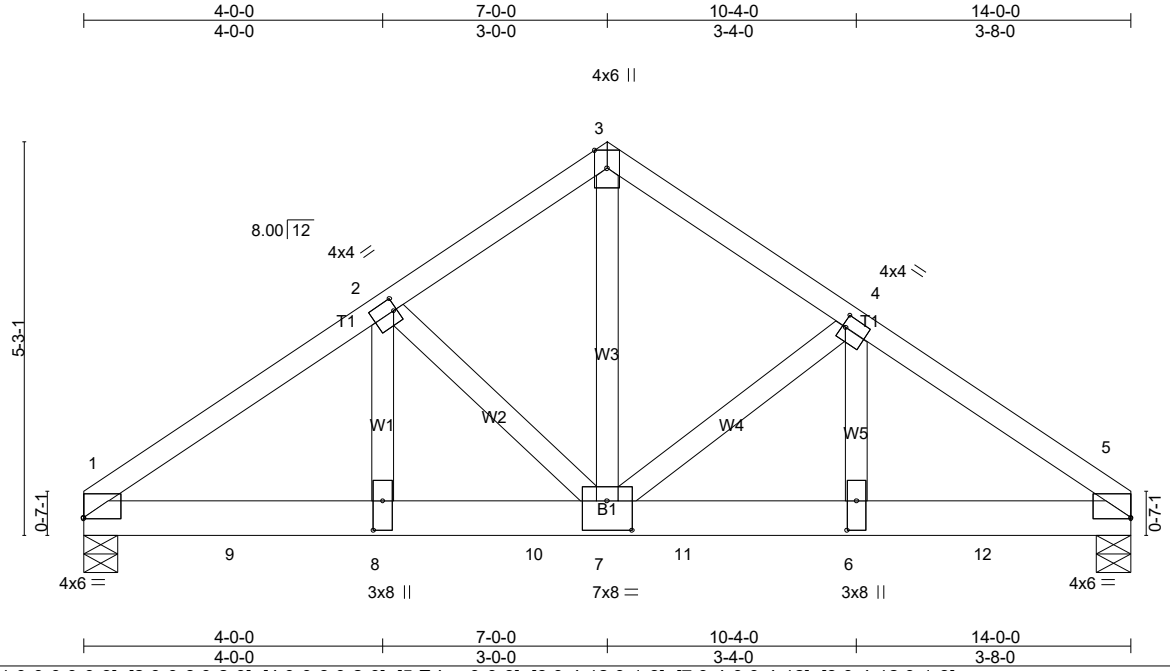

Plate Offsets (X,Y)-- [1:0-0-0,0-0-3], [2:0-0-8,0-2-0], [4:0-0-8,0-2-0], [5:Edge,0-0-3], [6:0-4-12,0-1-8], [7:0-4-0,0-4-12], [8:0-4-12,0-1-8]

LOADING(psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.10	6-7	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.90	Vert(CT)	-0.14	6-7	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.83	Horz(CT)	0.05	5	n/a	n/a		
BCDL	7.0	Code IRC2018/TPI2014		Matrix-R		Wind(LL)	0.03	6-7	>999	240	Weight: 152 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x4 DF Stud/Std *Except*
W3: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=6898/0-5-8 (min. 0-3-11), 5=7070/0-5-8 (min. 0-3-12)
Max Horz1=-76(LC 25)
Max Uplift1=-429(LC 8), 5=-441(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-9589/610, 2-3=-6697/461, 3-4=-6689/459, 4-5=-9848/626
BOT CHORD 1-9=-448/7609, 8-9=-448/7609, 8-10=-448/7609, 7-10=-448/7609, 7-11=-463/7789, 6-11=-463/7789, 6-12=-463/7789, 5-12=-463/7789
WEBS 3-7=-456/7018, 4-7=-2899/218, 4-6=-211/3753, 2-7=-2893/216, 2-8=-210/3744

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 0-4-0 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=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=429, 5=441.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2105 lb down and 137 lb up at 2-0-12, 2105 lb down and 137 lb up at 4-0-12, 2105 lb down and 137 lb up at 6-0-12, 2103 lb down and 138 lb up at 8-0-12, and 2103 lb down and 138 lb up at 10-0-12, and 2093 lb down and 137 lb up at 12-0-12 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=-86, 3-5=-86, 1-5=-14

Continued on page 2

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 6=-2103(B) 8=-2105(B) 9=-2105(B) 10=-2105(B) 11=-2103(B) 12=-2093(B)

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	C1	Common	1	1	Job Reference (optional)

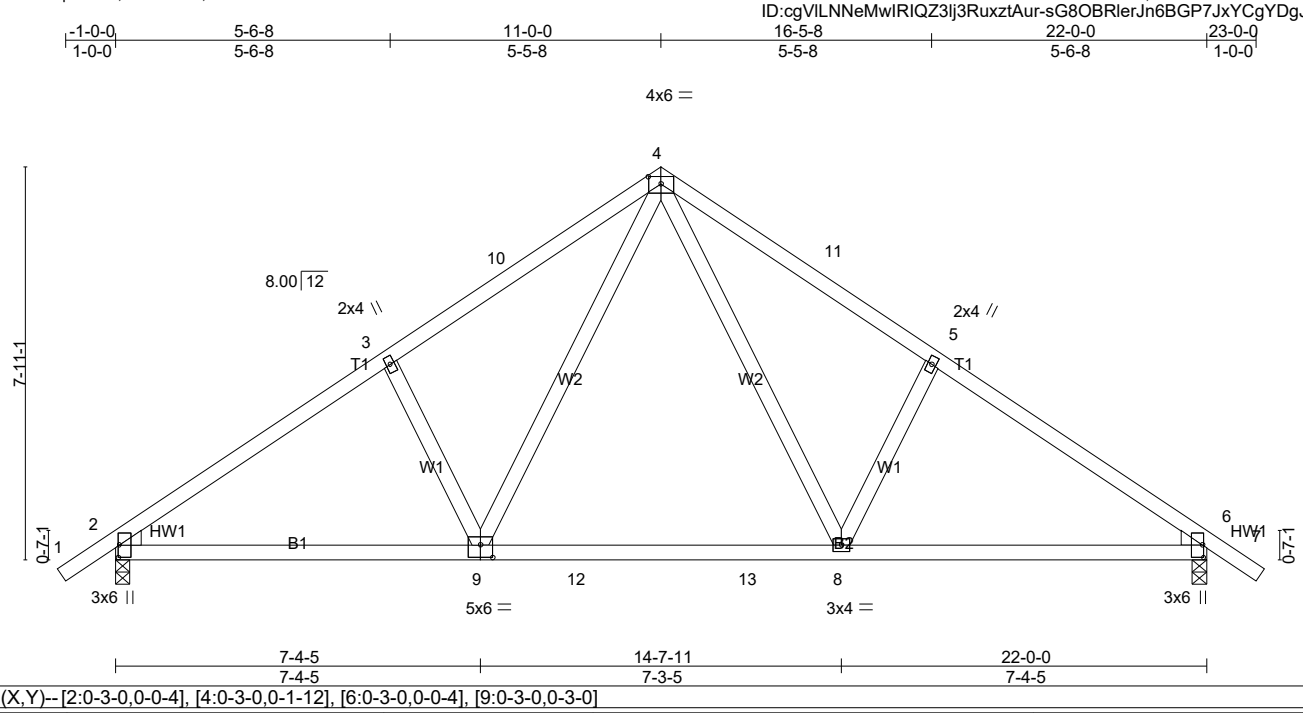

Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [4:0-3-0,0-1-12], [6:0-3-0,0-0-4], [9:0-3-0,0-3-0]

LOADING(psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL 1.15	TC	0.36	Vert(LL)	-0.10	8-9	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL 1.15	BC	0.38	Vert(CT)	-0.13	8-9	>999	240		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.26	Horz(CT)	0.03	6	n/a	n/a		
BCDL	7.0	Code IRC2018/TPI2014	Matrix-R		Wind(LL)	0.02	2-9	>999	240	Weight: 104 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
WEBS 2x4 DF Stud/Std
WEDGE
Left: 2x4 DF Stud/Std , Right: 2x4 DF Stud/Std

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

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

REACTIONS. (lb/size) 2=1191/0-3-8 (min. 0-1-8), 6=1191/0-3-8 (min. 0-1-8)
Max Horz 2=126(LC 11)
Max Uplift 2=-94(LC 12), 6=-94(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1547/121, 3-10=-1367/149, 4-10=-1258/163, 4-11=-1258/163, 5-11=-1367/149, 5-6=-1547/121
BOT CHORD 2-9=-34/1242, 9-12=0/843, 12-13=0/843, 8-13=0/843, 6-8=-33/1162
WEBS 4-8=-48/606, 5-8=-384/114, 4-9=-48/606, 3-9=-384/114

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-1-0 to 1-11-0, Interior(1) 1-11-0 to 11-0-0, Exterior(2R) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 23-1-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	C1G	Common Supported Gable	1	1	Job Reference (optional)

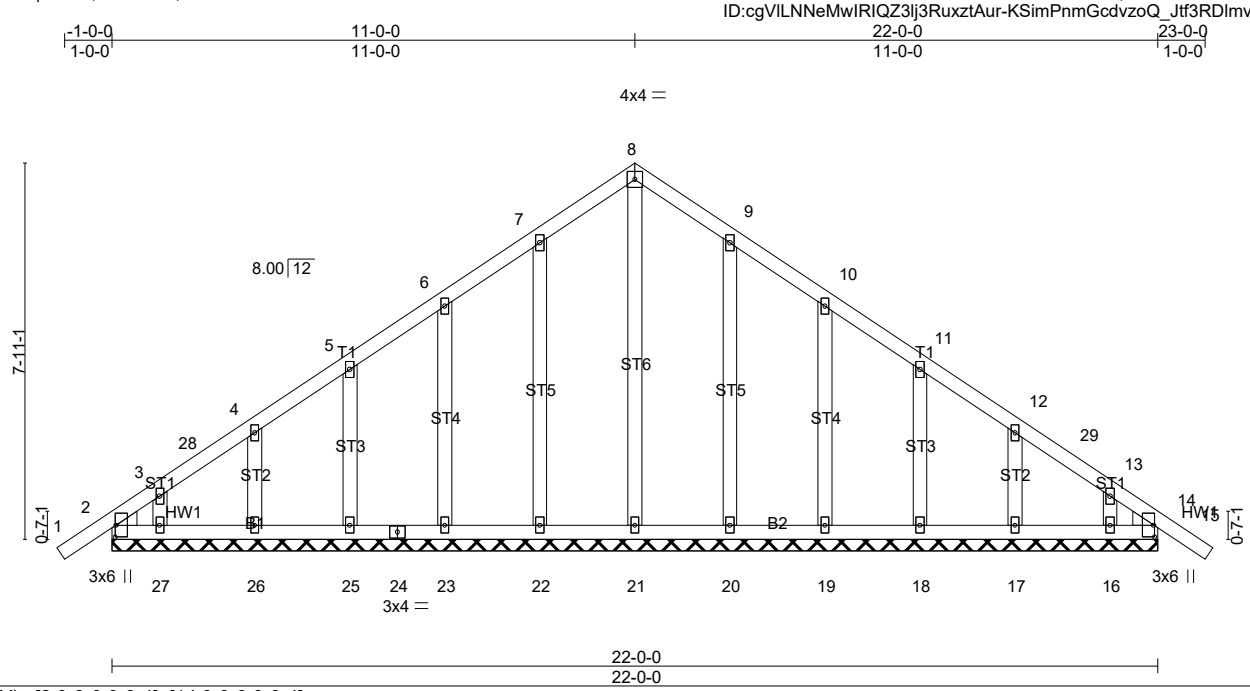

Plate Offsets (X,Y)-- [2:0-3-0,0-0-4], [14:0-3-0,0-0-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.07	Vert(LL)	-0.00	15	n/r	120	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	-0.00	15	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	14	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 126 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
OTHERS 2x4 DF Stud/Std
WEDGE
Left: 2x4 DF Stud/Std , Right: 2x4 DF Stud/Std

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

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

REACTIONS. All bearings 22-0-0.
(lb) - Max Horz 2=126(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 22, 23, 25, 26, 27, 20, 19, 18, 17, 16, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 21, 22, 23, 25, 26, 27, 20, 19, 18, 17, 16, 14

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=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-1-0 to 1-11-0, Exterior(2N) 1-11-0 to 11-0-0, Corner(3R) 11-0-0 to 14-0-0, Exterior(2N) 14-0-0 to 23-1-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 22, 23, 25, 26, 27, 20, 19, 18, 17, 16, 14.
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	Rockwell/Dalton1/21(ID)DG
B0083-21	C2	Common Girder	1	2	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:29 2021 Page 1
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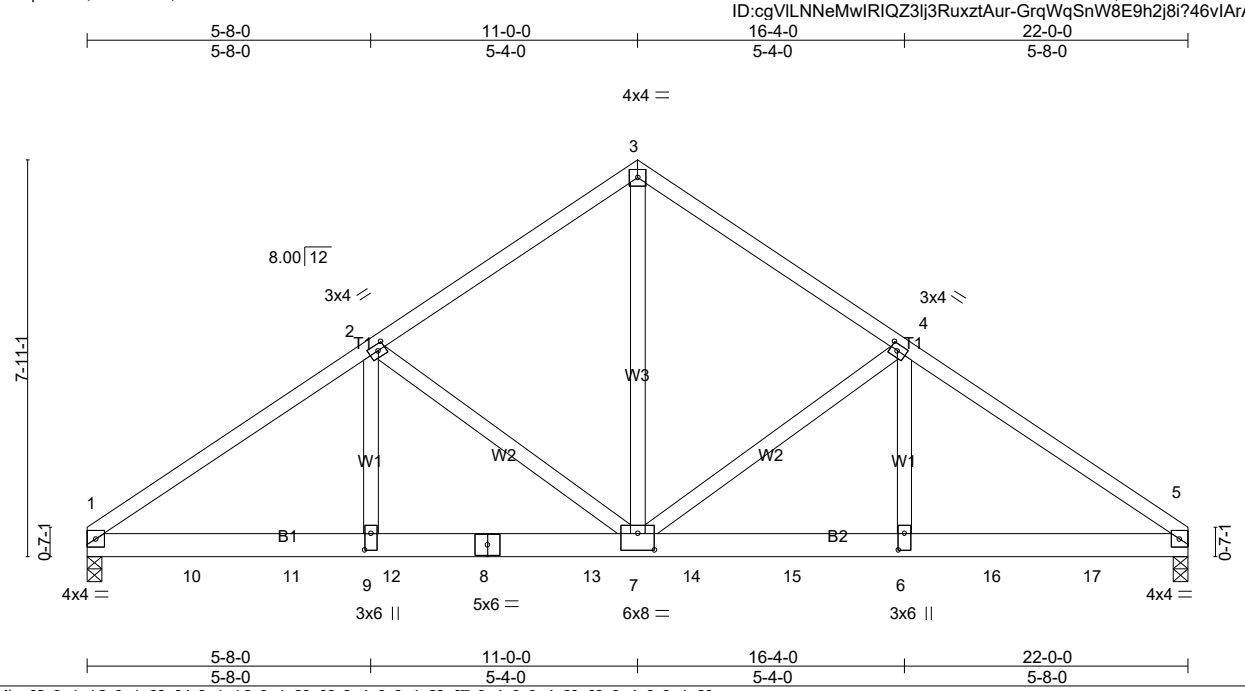

Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [4:0-1-12,0-1-8], [6:0-4-0,0-1-8], [7:0-4-0,0-4-0], [9:0-4-0,0-1-8]

LOADING(psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.41	Vert(LL)	-0.12	7-9	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.58	Vert(CT)	-0.16	7-9	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.94	Horz(CT)	0.05	5	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.03	7-9	>999	240	Weight: 239 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x4 DF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=4444/0-3-8 (min. 0-2-6), 5=4497/0-3-8 (min. 0-2-6)
Max Horz1=-117(LC 25)
Max Uplift1=-290(LC 8), 5=-294(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6480/441, 2-3=-4380/348, 3-4=-4381/348, 4-5=-6483/441
BOT CHORD 1-10=-304/5191, 10-11=-304/5191, 9-11=-304/5191, 9-12=-304/5191, 8-12=-304/5191, 8-13=-304/5191, 7-13=-304/5191, 7-14=-304/5194, 14-15=-304/5194, 6-15=-304/5194, 6-16=-304/5194, 16-17=-304/5194, 5-17=-304/5194
WEBS 3-7=-298/4257, 4-7=-2094/193, 4-6=-99/2095, 2-7=-2089/193, 2-9=-99/2093

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=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=290, 5=294.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 677 lb down and 51 lb up at 2-0-12, 677 lb down and 51 lb up at 4-0-12, 677 lb down and 51 lb up at 6-0-12, 677 lb down and 51 lb up at 8-0-12, 677 lb down and 51 lb up at 10-0-12, 677 lb down and 51 lb up at 12-0-12, 677 lb down and 51 lb up at 14-0-12, 677 lb down and 51 lb up at 16-0-12, and 677 lb down and 51 lb up at 18-0-12, and 677 lb down and 51 lb up at 20-0-12 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

Continued on page 2

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-3=-86, 3-5=-86, 1-5=-14
Concentrated Loads (lb)
Vert: 8=-677(B) 6=-677(B) 10=-677(B) 11=-677(B) 12=-677(B) 13=-677(B) 14=-677(B) 15=-677(B) 16=-677(B) 17=-677(B)

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	D1	Common	2	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:30 2021 Page 1
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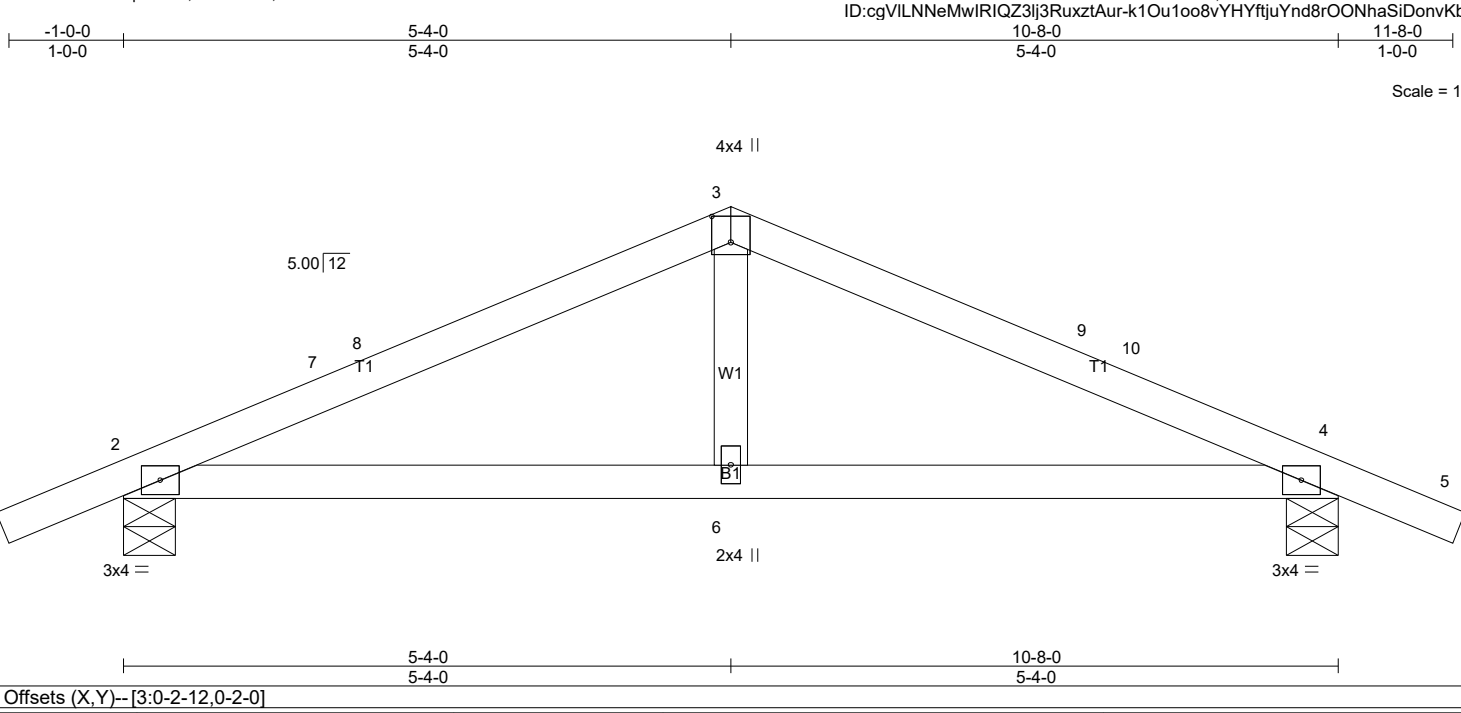

Plate Offsets (X,Y)-- [3:0-2-12,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	-0.02	4-6	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.18	Vert(CT)	-0.04	4-6	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	4	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.01	2-6	>999	240	Weight: 36 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
WEBS 2x4 DF Stud/Std

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

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

REACTIONS. (lb/size) 2=621/0-5-8 (min. 0-1-8), 4=621/0-5-8 (min. 0-1-8)
Max Horz 2=-27(LC 10)
Max Uplift 2=-62(LC 12), 4=-62(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-806/171, 7-8=-733/172, 3-8=-725/183, 3-9=-725/183, 9-10=-733/172, 4-10=-806/171
BOT CHORD 2-6=-97/663, 4-6=-97/663

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-0-11 to 1-11-5, Interior(1) 1-11-5 to 5-4-0, Exterior(2R) 5-4-0 to 8-4-0, Interior(1) 8-4-0 to 11-8-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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	Rockwell/Dalton1/21(ID)DG
B0083-21	D1G	Common Supported Gable	1	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:31 2021 Page 1
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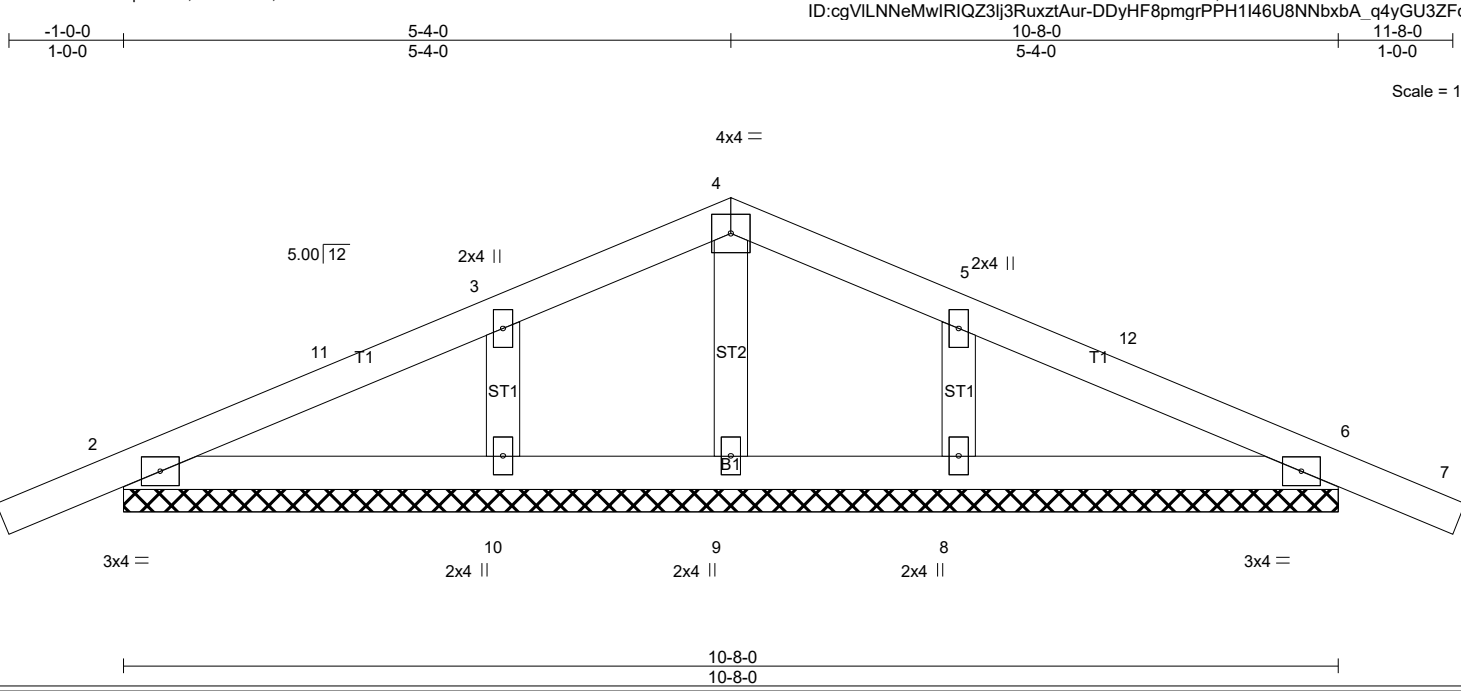

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	0.00	6	n/r	120	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.04	Vert(CT)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	6	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-R							Weight: 39 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
OTHERS 2x4 DF Stud/Std

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 10-8-0.
(lb) - Max Horz2=-27(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 10=322(LC 23), 8=322(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-10=-263/136, 5-8=-263/136

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-0-11 to 1-11-5, Exterior(2N) 1-11-5 to 5-4-0, Corner(3R) 5-4-0 to 8-4-0, Exterior(2N) 8-4-0 to 11-8-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
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	Rockwell/Dalton1/21(ID)DG
B0083-21	E1	Common Girder	1	2	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:32 2021 Page 1
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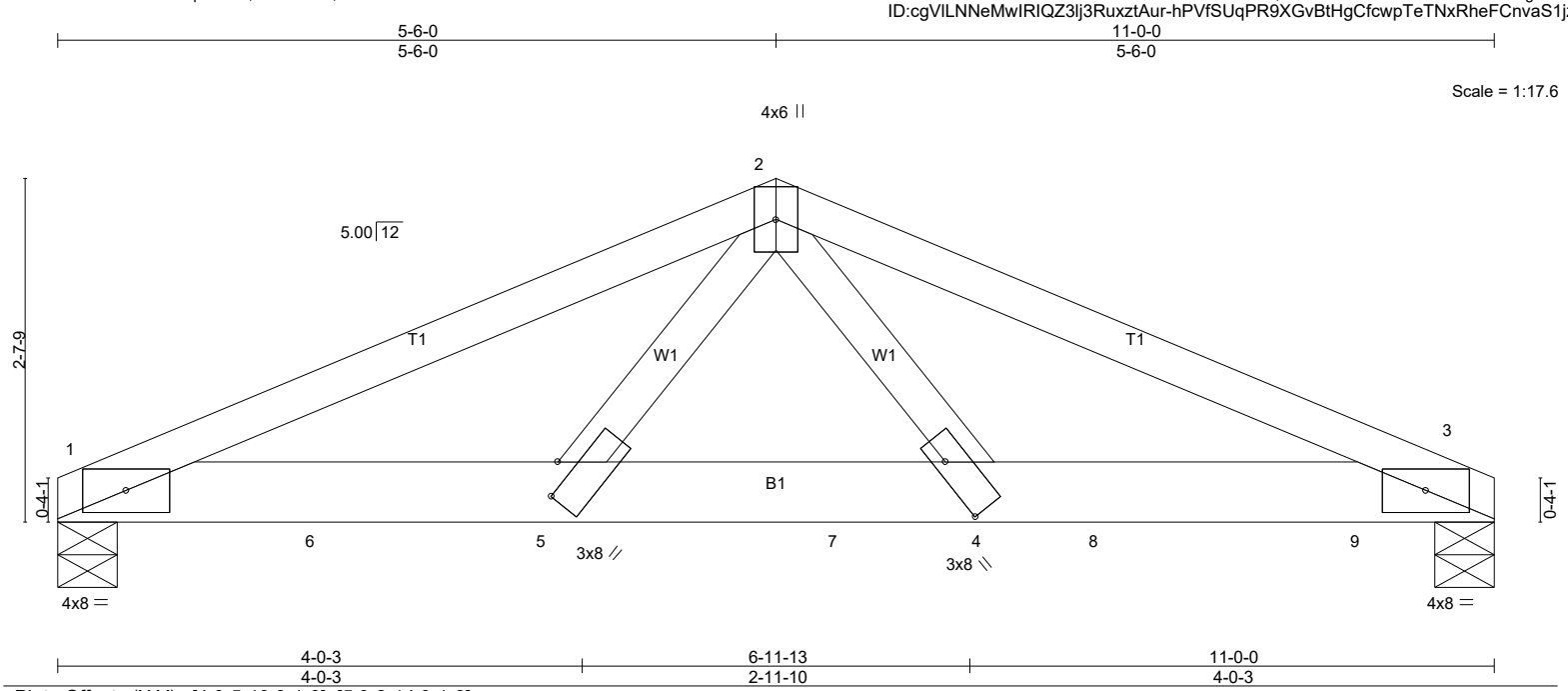


Plate Offsets (X,Y)-- [4:0-5-10,0-1-0], [5:0-2-14,0-1-8]

LOADING(psf)		SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 35.0		Plate Grip DOL 1.15	TC 0.64	Vert(LL) -0.13 4-5 >981 360	MT20 220/195
TCDL 8.0		Lumber DOL 1.15	BC 0.99	Vert(CT) -0.18 4-5 >689 240	
BCLL 0.0	*	Rep Stress Incr NO	WB 0.34	Horz(CT) 0.04 3 n/a n/a	
BCDL 7.0		Code IRC2018/TPI2014	Matrix-R	Wind(LL) 0.04 4-5 >999 240	Weight: 93 lb FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x6 DF 1800F 1.6E
WEBS 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

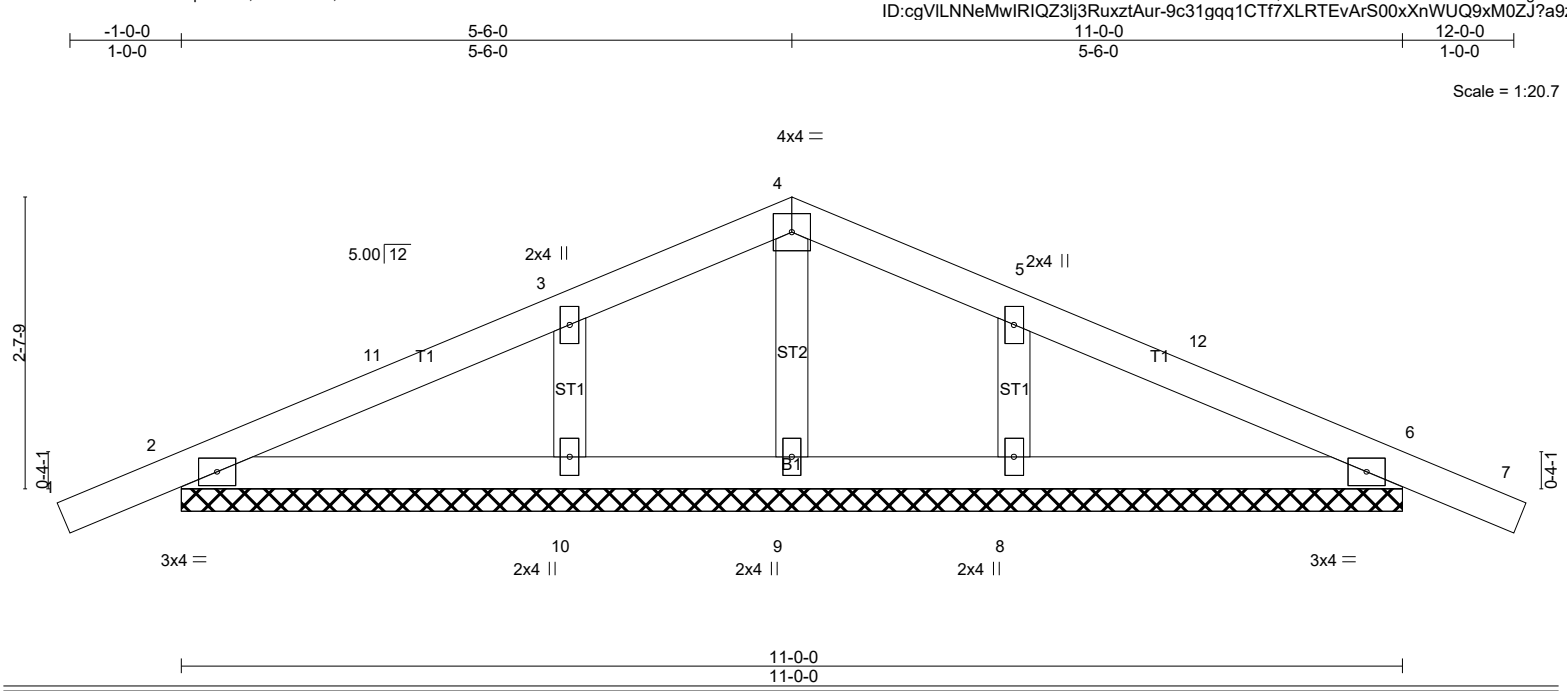
REACTIONS. (lb/size) 1=5273/0-5-8 (min. 0-2-13), 3=6306/0-5-8 (min. 0-3-6)
Max Horz1=-22(LC 25)
Max Uplift1=-323(LC 8), 3=-385(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-10514/647, 2-3=-10488/645
BOT CHORD 1-6=-564/9633, 5-6=-564/9633, 5-7=-409/6797, 4-7=-409/6797, 4-8=-562/9612, 8-9=-562/9612, 3-9=-562/9612
WEBS 2-4=-258/4763, 2-5=-260/4798

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 0-2-0 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=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=323, 3=385.
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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2105 lb down and 135 lb up at 2-0-12, 2105 lb down and 135 lb up at 4-0-12, 2105 lb down and 135 lb up at 6-0-12, and 2104 lb down and 135 lb up at 8-0-12, and 2106 lb down and 133 lb up at 10-0-12 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: 1-2=-86, 2-3=-86, 1-3=-14
Concentrated Loads (lb)
Vert: 5=-2105(F) 6=-2105(F) 7=-2105(F) 8=-2104(F) 9=-2106(F)

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	E1G	Common Supported Gable	1	1	Job Reference (optional)



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 35.0	Plate Grip DOL 1.15	TC 0.10	Vert(LL) 0.00 7 n/r 120	MT20 220/195
TCDL 8.0	Lumber DOL 1.15	BC 0.04	Vert(CT) 0.00 7 n/r 120	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.05	Horz(CT) 0.00 6 n/a n/a	
BCDL 7.0	Code IRC2018/TPI2014	Matrix-R		Weight: 40 lb FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
OTHERS 2x4 DF Stud/Std

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

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

REACTIONS. All bearings 11-0-0.
(lb) - Max Horz2=-27(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 9 except 2=254(LC 1), 6=254(LC 1), 10=339(LC 23), 8=339(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-10=-276/140, 5-8=-276/140

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -1-0-11 to 1-11-5, Exterior(2N) 1-11-5 to 5-6-0, Corner(3R) 5-6-0 to 8-6-0, Exterior(2N) 8-6-0 to 12-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

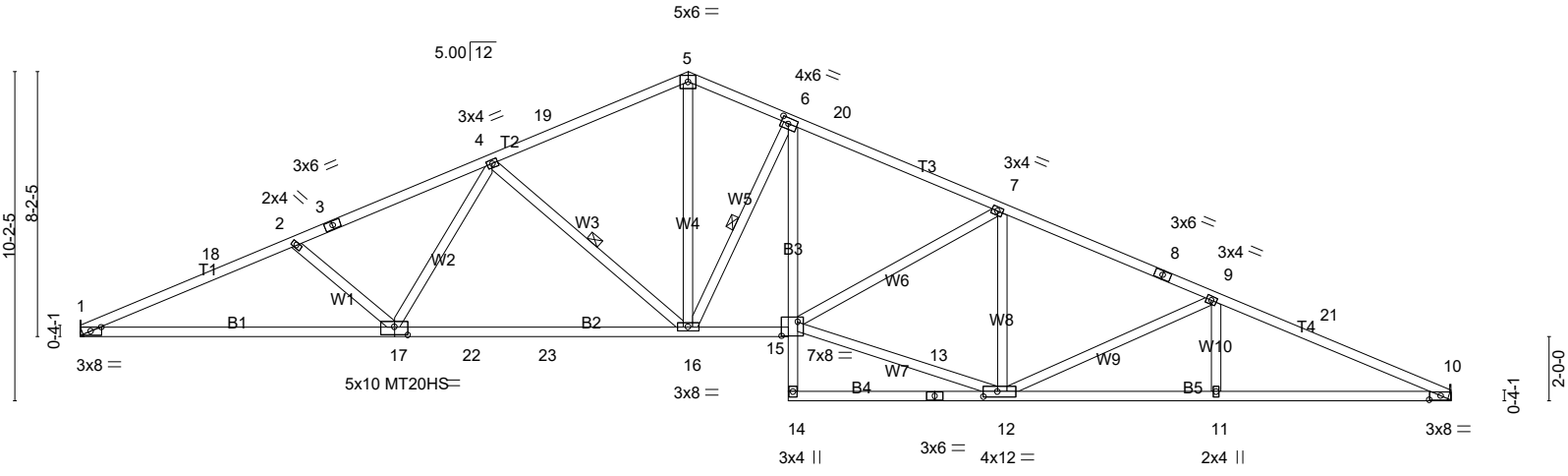
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	F1	Roof Special	3	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 — Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:34 2021 Page 1
ID:cgVlLNNeMwIRIQZ3lj3RuxztAur-dodPtArfzmn_8V0fndh4?EZwyBeY9PFVFD3Z6bztAD

6-8-10	12-9-6	18-10-3	21-11-8	28-7-1	35-2-10	42-6-0
6-8-10	6-0-13	6-0-13	3-1-5	6-7-9	6-7-9	7-3-6

Scale = 1:70.2



9-9-0	18-10-3	21-11-8	28-7-1	35-2-10	42-6-0
9-9-0	9-1-3	3-1-5	6-7-9	6-7-9	7-3-6

Plate Offsets (X,Y)--[1:0-4-2,0-1-8], [6:0-2-12,0-2-0], [10:0-4-2,0-1-8], [12:0-5-4,0-2-0], [15:0-6-0,0-5-4], [17:0-5-0,0-3-0]

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.52	16-17	>974	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.95	Vert(CT)	-0.76	16-17	>667	240	MT20HS	165/146
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.27	10	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.16	15-16	>999	240	Weight: 214 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
WEBS 2x4 DF Stud/Std *Except*
W7: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 1-17.
WEBS 1 Row at midpt 4-16, 6-16

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

REACTIONS. (lb/size) 1=2119/Mechanical, 10=2119/Mechanical
Max Horz1=-118(LC 10)
Max Uplift1=-121(LC 12), 10=-123(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-4755/362, 2-18=-4612/373, 2-3=-4293/321, 3-4=-4208/339, 4-19=-3188/291, 5-19=-3085/309, 5-6=-3125/314, 6-20=-3764/343, 7-20=-3957/333, 7-8=-3706/320, 8-9=-3845/301, 9-21=-4613/349, 10-21=-4756/336
BOT CHORD 1-17=-247/4306, 17-22=-169/3565, 22-23=-169/3565, 16-23=-169/3565, 15-16=-139/3531, 6-15=-69/1319, 11-12=-270/4275, 10-11=-270/4275
WEBS 2-17=-578/123, 4-17=-1/754, 4-16=-968/127, 5-16=-150/2006, 6-16=-1525/163, 12-15=-200/3535, 7-15=-152/297, 7-12=-674/84, 9-12=-938/103, 9-11=0/254

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-12 to 4-3-12, Interior(1) 4-3-12 to 18-10-3, Exterior(2R) 18-10-3 to 23-1-3, Interior(1) 23-1-3 to 42-5-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
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=121, 10=123.
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.

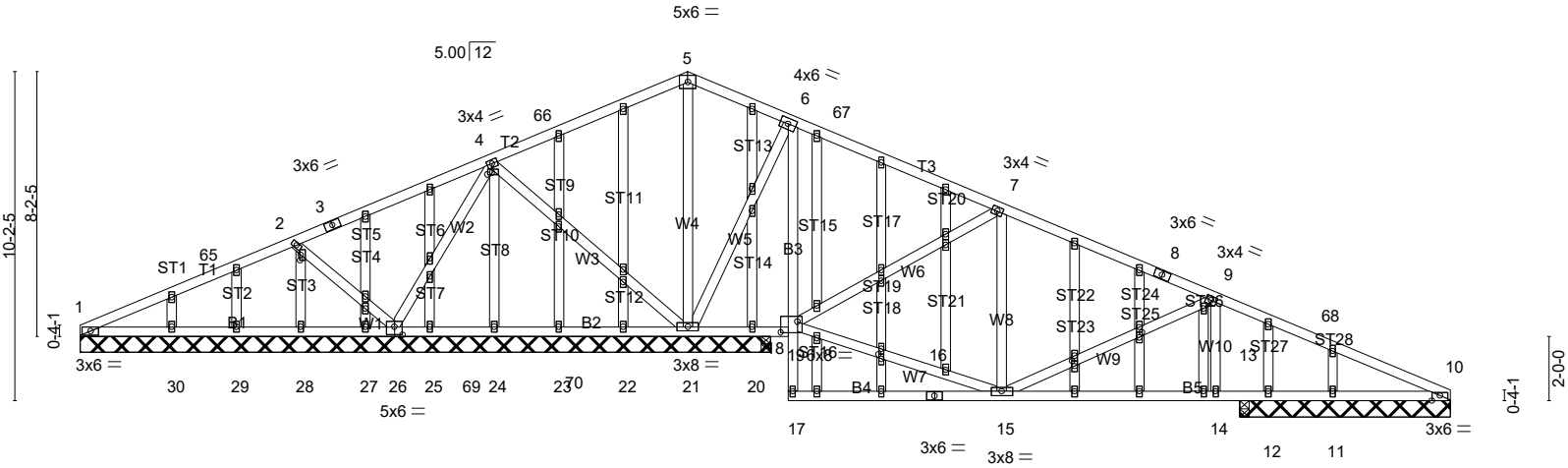
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	F1G	GABLE	1	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 — Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:39 2021 Page 1
ID:cgVlLNNeMwIRlQZ3lj3RuxztAur-_mRIwtvonJQGFGvdaAHFiHGswCQkqhKEOVmKnpztAD

6-8-10 | 12-9-6 | 18-10-3 | 21-11-8 | 28-7-1 | 35-2-10 | 42-6-0
6-8-10 | 6-0-13 | 6-0-13 | 3-1-5 | 6-7-9 | 6-7-9 | 7-3-6

Scale = 1:70.2



9-9-0 | 18-10-3 | 21-5-0 | 21-11-8 | 28-7-1 | 35-2-10 | 36-3-0 | 42-6-0
9-9-0 | 9-1-3 | 2-6-13 | 0-6-8 | 6-7-9 | 6-7-9 | 1-0-6 | 6-3-0

Plate Offsets (X,Y)--[4:0-1-12,0-0-11], [10:0-3-0,Edge], [18:0-6-4,0-4-0], [26:0-3-0,0-3-0], [39:0-2-0,0-0-6], [51:0-1-11,0-1-0], [57:0-1-14,0-1-0], [60:0-1-14,0-1-0]

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.08	14-15	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.12	14-15	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.01	10	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.02	14-15	>999	240	Weight: 310 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr *Except*
B3: 2x4 DF Stud/Std
WEBS 2x4 DF Stud/Std
OTHERS 2x4 DF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 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. All bearings 21-5-0 except (jt=length) 12=6-6-8, 11=6-6-8, 10=6-6-8, 19=0-3-8, 13=0-3-8.
(lb) - Max Horz1=-118(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 29, 30, 11, 10, 19 except 26=-122(LC 12), 21=-109(LC 12), 20=-571(LC 24), 12=-795(LC 24), 13=-110(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 22, 23, 24, 25, 27, 28, 29, 30, 20, 12 except 1=271(LC 23), 26=833(LC 23), 21=1382(LC 1), 11=293(LC 18), 10=430(LC 24), 19=1074(LC 24), 13=1280(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-65=-338/62, 3-4=0/413, 4-66=0/429, 5-66=0/552, 5-6=0/515, 6-67=0/345, 7-8=-395/88, 8-9=-568/68, 9-68=-542/56, 10-68=-673/43
BOT CHORD 20-21=-271/133, 19-20=-271/133, 18-19=-380/139, 14-15=-1/512, 13-14=-1/512, 12-13=-1/512, 11-12=-1/512, 10-11=-1/512
WEBS 2-26=-581/129, 4-26=-505/204, 4-21=-364/92, 5-21=-744/57, 6-21=-435/73, 15-18=0/384, 7-18=-754/102, 9-14=-537/102

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 4-3-0, Interior(1) 4-3-0 to 18-10-3, Exterior(2R) 18-10-3 to 23-1-3, Interior(1) 23-1-3 to 42-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 29, 30, 11, 10, 19 except (jt=lb) 26=122, 21=109, 20=571, 12=795, 13=110.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

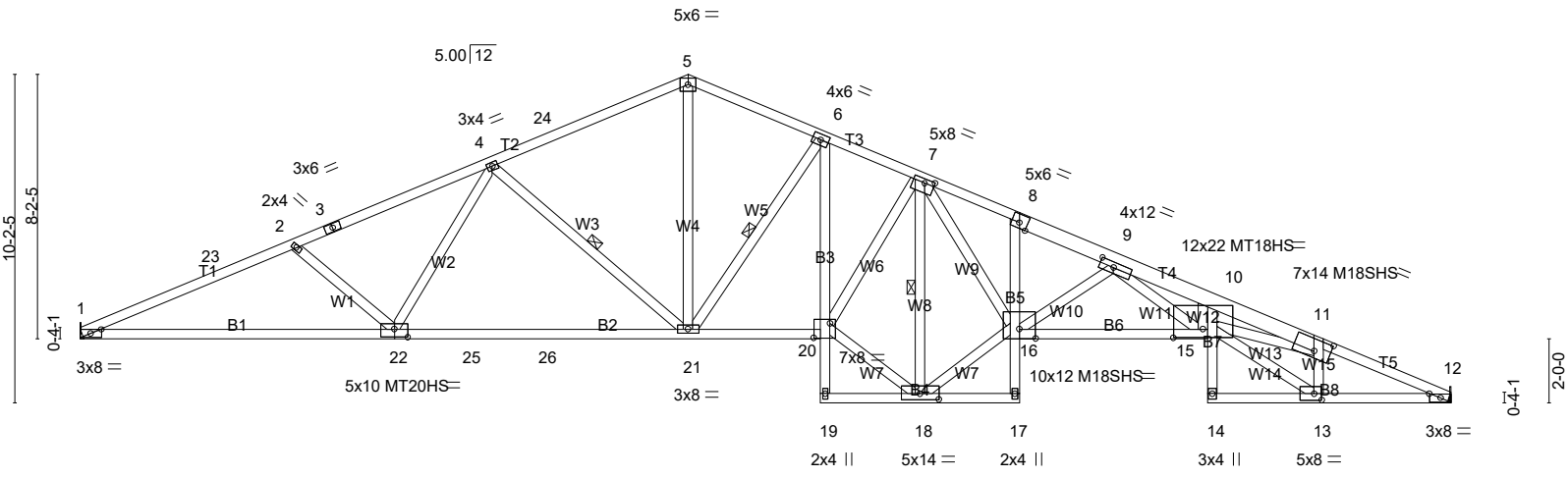
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	F2	ROOF SPECIAL	2	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:41 2021 Page 1
ID:cgVlLNNeMwIRIQZ3lj3RuxztAur-w8Y2LZw2Jwg_UZ3?ibJjniL4S019la2XspFQshztAD

6-8-10	12-9-6	18-10-3	22-11-8	26-0-8	29-1-8	32-0-8	34-11-8	38-4-14	42-6-0
6-8-10	6-0-13	6-0-13	4-1-5	3-1-0	3-1-0	2-11-0	2-11-0	3-5-6	4-1-2

Scale = 1:70.2



9-9-0	18-10-3	22-11-8	26-0-8	29-1-8	34-11-8	38-4-14	42-6-0
9-9-0	9-1-3	4-1-5	3-1-0	3-1-0	5-10-0	3-5-6	4-1-2

Plate Offsets (X,Y)--[1:0-4-2,0-1-8], [7:0-3-10,0-1-8], [9:0-5-4,0-2-0], [10:0-11-0,0-3-4], [11:0-6-0,0-4-8], [12:0-4-2,0-1-8], [13:0-2-12,0-2-8], [18:0-7-0,0-2-4], [20:0-6-0,0-5-8], [22:0-5-0,0-3-0]

LOADING(psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 35.0	Plate Grip DOL 1.15	TC 1.00	Vert(LL) -1.04 15-16 >489 360	MT20 220/195
TCDL 8.0	Lumber DOL 1.15	BC 0.95	Vert(CT) -1.50 15-16 >339 240	MT20HS 165/146
BCLL 0.0 *	Rep Stress Incr YES	WB 0.88	Horz(CT) 0.67 12 n/a n/a	M18SHS 220/195
BCDL 7.0	Code IRC2018/TPI2014	Matrix-SH	Wind(LL) 0.33 15-16 >999 240	Weight: 248 lb FT = 20%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr *Except*
T4: 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr *Except*
B3,B5: 2x4 DF Stud/Std, B6: 2x4 DF 2400F 2.0E
WEBS 2x4 DF Stud/Std *Except*
W7,W8,W9,W14,W13,W11: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
2-2-0 oc bracing: 1-22
7-10-3 oc bracing: 14-15.
WEBS 1 Row at midpt 4-21, 6-21, 7-18

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

REACTIONS. (lb/size) 1=2118/Mechanical, 12=2117/Mechanical
Max Horz1=-118(LC 10)
Max Uplift1=-121(LC 12), 12=-124(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-23=-4753/362, 2-23=-4610/373, 2-3=-4293/322, 3-4=-4209/340, 4-24=-3181/291, 5-24=-3071/308, 5-6=-3136/311, 6-7=-4159/359, 7-8=-5803/464, 8-9=-5924/438, 9-10=-11828/809, 10-11=-11514/786, 11-12=-5126/373
BOT CHORD 1-22=-247/4303, 22-25=-172/3566, 25-26=-172/3566, 21-26=-172/3566, 20-21=-161/3807, 6-20=-87/1534, 15-16=-431/7262, 10-15=0/403, 13-14=-22/359, 12-13=-317/4686
WEBS 2-22=-572/122, 4-22=0/752, 4-21=-991/133, 5-21=-142/1996, 6-21=-1691/167, 18-20=-180/3846, 7-20=-23/1276, 7-18=-4334/231, 16-18=-164/3657, 7-16=-254/4265, 9-16=-2374/192, 13-15=-341/5004, 11-13=-2521/205, 11-15=-348/5810, 9-15=-294/4810

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-0-12 to 4-3-12, Interior(1) 4-3-12 to 18-10-3, Exterior(2R) 18-10-3 to 23-1-4, Interior(1) 23-1-4 to 42-5-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
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=121, 12=124.
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.

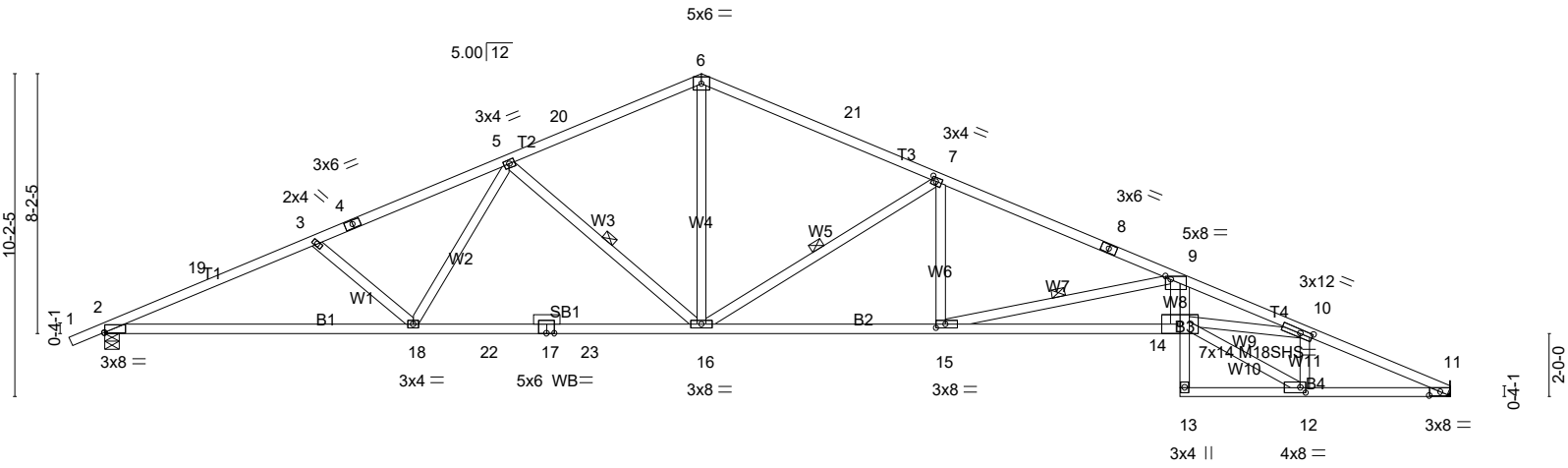
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	F3	ROOF SPECIAL	1	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:42 2021 Page 1
ID:cgVlLNNeMwIRIQZ3lj3RuxztAur-OL6RYvxg4Eor6jdCFIryKwuIZPN01?Sg5T?_O8ztAD

1-0-0	6-8-10	12-9-6	18-10-3	26-4-14	33-11-8	37-10-14	42-6-0
1-0-0	6-8-10	6-0-13	6-0-13	7-6-10	7-6-10	3-11-6	4-7-2

Scale = 1:71.5



9-9-0	18-10-3	26-4-14	33-11-8	37-10-14	42-6-0
9-9-0	9-1-3	7-6-10	7-6-10	3-11-6	4-7-2

Plate Offsets (X,Y)-- [2:0-0-0,0-0-2], [7:0-1-12,0-1-8], [9:0-2-0,0-1-4], [10:0-4-12,0-1-8], [11:0-4-2,0-1-8], [12:0-2-0,0-2-0], [15:0-3-8,0-1-8]

LOADING(psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.88	14-15	>574	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.91	Vert(CT)	-1.29	14-15	>394	240	M18SHS	220/195
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.52	11	n/a	n/a		
BCDL	7.0	Code IRC2018/TPI2014		Matrix-SH		Wind(LL)	0.28	14-15	>999	240	Weight: 204 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr *Except*
T3,T4: 2x4 DF 2400F 2.0E
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr *Except*
B3,B2: 2x4 DF 2400F 2.0E
WEBS 2x4 DF Stud/Std *Except*
W7,W10,W9,W8: 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
OTHERS 2x4 DF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-1-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-16, 7-16, 9-15

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

REACTIONS. (lb/size) 2=2222/0-5-8 (min. 0-2-6), 11=2107/Mechanical
Max Horz 2=119(LC 11)
Max Uplift 2=-154(LC 12), 11=-123(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-4629/328, 3-19=-4527/348, 3-4=-4203/303, 4-5=-4120/321, 5-20=-3150/285, 6-20=-3045/303, 6-21=-3045/302, 7-21=-3186/289, 7-8=-4923/382, 8-9=-5030/365, 9-10=-9370/648, 10-11=-4879/363
BOT CHORD 2-18=-236/4175, 18-22=-166/3510, 17-22=-166/3510, 17-23=-166/3510, 16-23=-166/3510, 15-16=-222/4544, 14-15=-557/9008, 9-14=-103/2284, 12-13=-21/332, 11-12=-300/4418
WEBS 3-18=-517/108, 5-18=0/697, 5-16=-963/129, 6-16=-110/1906, 7-16=-2057/191, 7-15=-7/1182, 9-15=-4561/347, 12-14=-313/4581, 10-14=-228/4155, 10-12=-2045/179

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-0-11 to 3-2-5, Interior(1) 3-2-5 to 18-10-3, Exterior(2R) 18-10-3 to 23-1-3, Interior(1) 23-1-3 to 42-5-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
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) 2=154, 11=123.
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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	F4	ROOF SPECIAL	3	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:43 2021 Page 1
ID:cgVILNNeMwIRIQZ3lj3RuxztAur-sXgpmFyIrXwijtCOp0MBs7RQEpkdmSaqJ7kXwaztAD

-1-0-0	6-8-10	12-9-6	18-10-3	24-11-5	31-0-6	37-1-8	39-5-14	42-6-0	43-6-0
1-0-0	6-8-10	6-0-13	6-0-13	6-1-2	6-1-2	6-1-2	2-4-6	3-0-2	1-0-0

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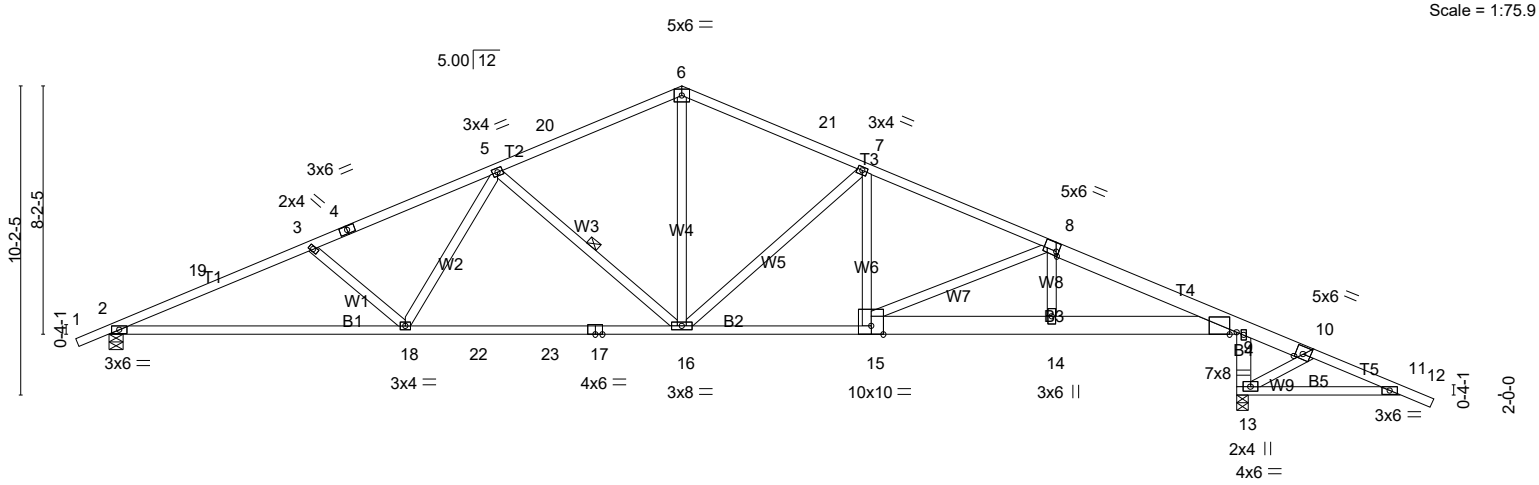


9-9-0	18-10-3	24-11-5	31-0-6	37-1-8	37-6-0	42-6-0
9-9-0	9-1-3	6-1-2	6-1-2	6-1-2	0-4-8	5-0-0

Plate Offsets (X,Y)-- [8:0-1-0,0-1-12], [9:0-2-13,Edge]

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.98	Vert(LL)	-0.37	16-18	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.54	16-18	>829	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	1.00	Horz(CT)	-0.10	13	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-SH		Wind(LL)	0.08	16	>999	240	Weight: 218 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr *Except*
T4: 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr *Except*
B4: 2x6 DF 1800F 1.6E, B3: 2x8 DF SS
WEBS 2x4 DF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-5-15 oc bracing: 9-13
6-0-0 oc bracing: 11-13.
WEBS 1 Row at midpt 5-16

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

REACTIONS. (lb/size) 2=1919/0-5-8 (min. 0-2-1), 13=2509/0-4-8 (min. 0-2-11)
Max Horz 2=-124(LC 10)
Max Uplift 2=-132(LC 12), 13=-171(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-3876/259, 3-19=-3774/278, 3-4=-3475/233, 4-5=-3392/251, 5-20=-2373/214, 6-20=-2282/232, 6-21=-2282/221, 7-21=-2375/204, 7-8=-3076/218, 8-9=-3482/124, 9-10=-53/345, 10-11=-269/751
BOT CHORD 2-18=-144/3536, 18-22=-68/2855, 22-23=-68/2855, 17-23=-68/2855, 16-17=-68/2855, 15-16=-53/2735, 14-15=-4/3107, 9-14=-10/3108, 9-13=-2881/473, 11-13=-665/283
WEBS 3-18=-523/109, 5-18=0/711, 5-16=-969/132, 6-16=-65/1372, 7-16=-879/89, 7-15=0/387, 8-15=-406/0, 10-13=-340/796

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-0-11 to 3-2-5, Interior(1) 3-2-5 to 18-10-3, Exterior(2R) 18-10-3 to 23-1-3, Interior(1) 23-1-3 to 43-6-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=132, 13=171.
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.

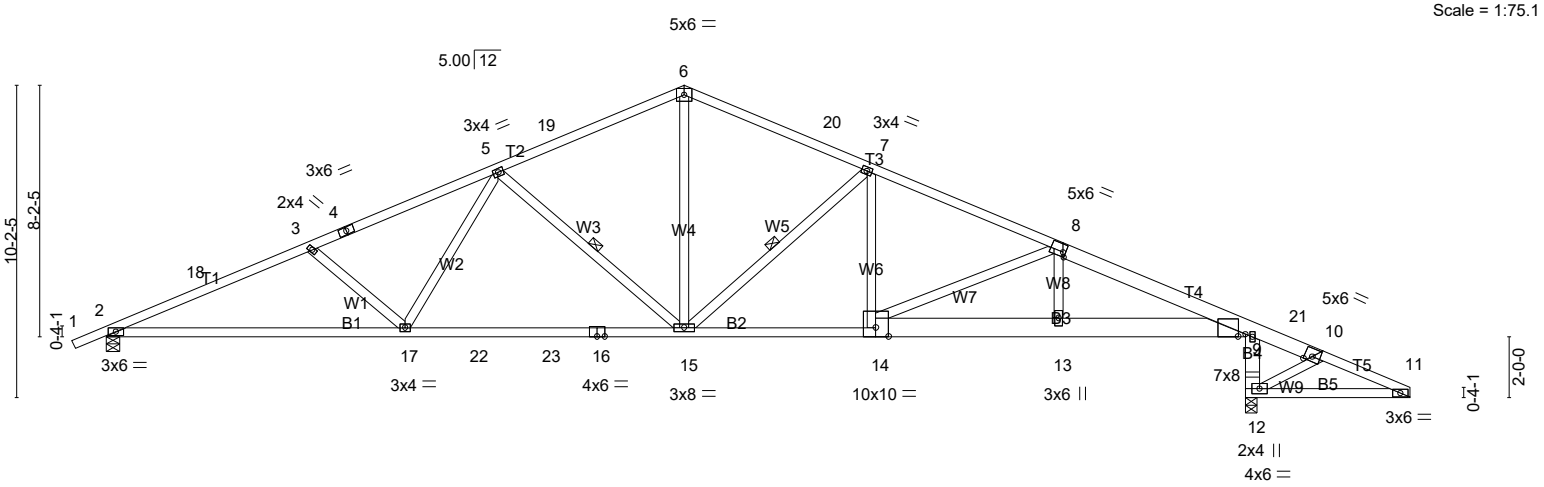
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	F5	ROOF SPECIAL	1	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:45 2021 Page 1
ID:cgVlLNNeMwIRlQZ3lj3RuxztAur-owoZBx_YN9AQzBMnxROfyYWrCdQ2ESF7nRDe?SztAD

1-0-0	6-8-10	12-9-6	18-10-3	24-11-5	31-0-6	37-1-8	39-5-14	42-6-0
1-0-0	6-8-10	6-0-13	6-0-13	6-1-2	6-1-2	6-1-2	2-4-6	3-0-2

Scale = 1:75.1



9-9-0	18-10-3	24-11-5	31-0-6	37-1-8	37-6-0	42-6-0
9-9-0	9-1-3	6-1-2	6-1-2	6-1-2	0-4-8	5-0-0

Plate Offsets (X,Y)-- [8:0-1-0,0-1-12], [9:0-2-13,Edge]

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.70	Vert(LL)	-0.37	15-17	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.83	Vert(CT)	-0.54	15-17	>821	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.10	12	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-SH		Wind(LL)	0.08	15	>999	240	Weight: 217 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr *Except*
T4: 2x6 DF 1800F 1.6E
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr *Except*
B4: 2x6 DF 1800F 1.6E, B3: 2x8 DF SS
WEBS 2x4 DF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-9-6 oc bracing: 9-12
6-0-0 oc bracing: 11-12.
WEBS 1 Row at midpt 5-15, 7-15

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

REACTIONS. (lb/size) 2=1933/0-5-8 (min. 0-2-1), 12=2405/0-4-8 (min. 0-2-9)
Max Horz 2=119(LC 11)
Max Uplift 2=-137(LC 12), 12=-139(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-3910/264, 3-18=-3808/283, 3-4=-3502/238, 4-5=-3419/256, 5-19=-2409/219, 6-19=-2309/237, 6-20=-2309/232, 7-20=-2410/214, 7-8=-3148/229, 8-9=-3639/199, 10-11=-134/471
BOT CHORD 2-17=-171/3554, 17-22=-101/2873, 22-23=-101/2873, 16-23=-101/2873, 15-16=-101/2873, 14-15=-70/2799, 13-14=-91/3261, 9-13=-95/3259, 9-12=-2601/341, 11-12=-394/136
WEBS 3-17=-523/109, 5-17=0/710, 5-15=-969/132, 6-15=-71/1393, 7-15=-912/96, 7-14=0/422, 8-14=-528/42, 10-12=-169/490

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-0-11 to 3-2-5, Interior(1) 3-2-5 to 18-10-3, Exterior(2R) 18-10-3 to 23-1-3, Interior(1) 23-1-3 to 42-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=137, 12=139.
6) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Rockwell/Dalton1/21(ID)DG
B0083-21	F6	Roof Special	10	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:46 2021 Page 1
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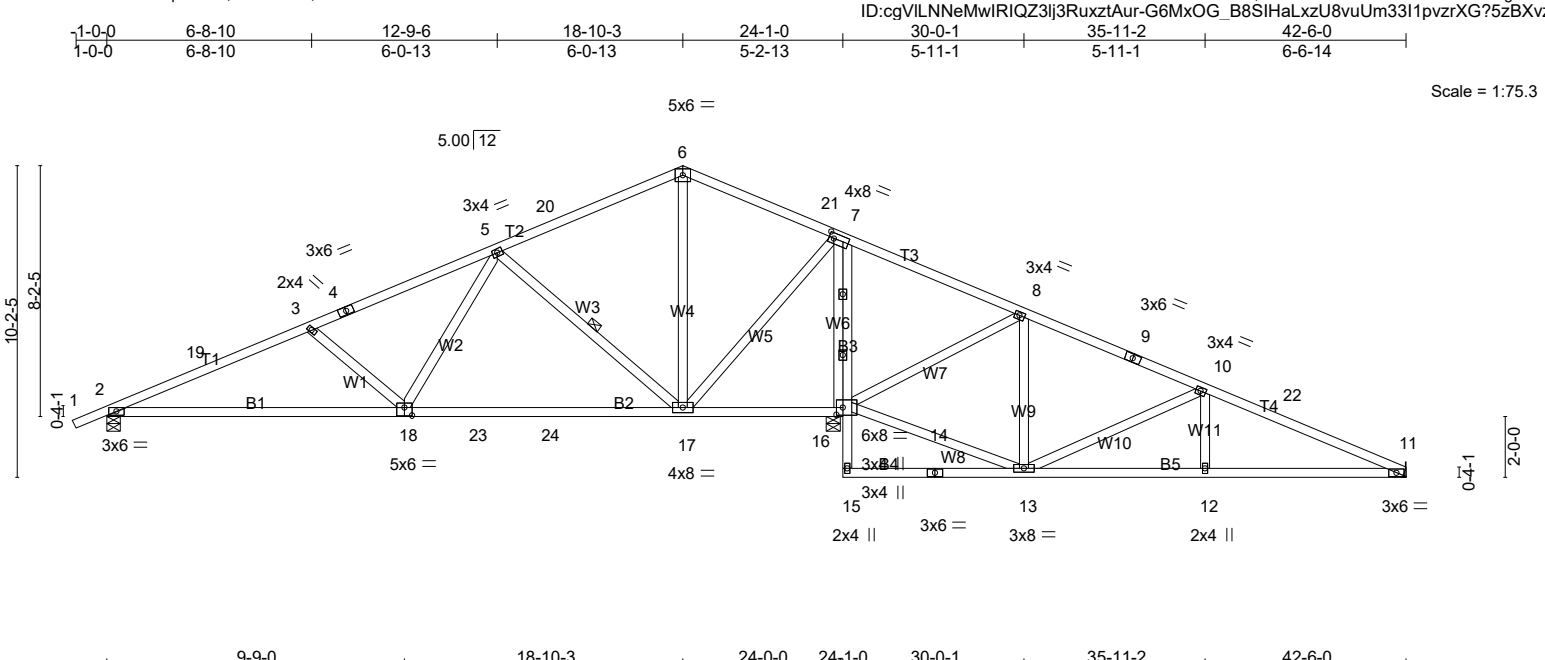

9-9-0	18-10-3	24-0-0	24-1-0	30-0-1	35-11-2	42-6-0
9-9-0	9-1-3	5-1-13	0-1-0	5-11-1	5-11-1	6-6-14

Plate Offsets (X,Y)-- [7:0-2-0,0-2-0], [16:0-2-8,0-3-0], [18:0-3-0,0-3-4]

LOADING(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	35.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.18	2-18	>999	360	MT20	220/195
TCDL	8.0	Lumber DOL	1.15	BC	0.59	Vert(CT)	-0.32	2-18	>904	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.03	16	n/a	n/a		
BCDL	7.0	Code	IRC2018/TPI2014	Matrix-R		Wind(LL)	0.04	2-18	>999	240	Weight: 218 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr *Except*
B3: 2x4 DF Stud/Std
WEBS 2x4 DF Stud/Std

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-17

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

REACTIONS. (lb/size) 2=1039/0-5-8 (min. 0-1-8), 16=2719/0-5-8 (min. 0-2-14), 11=571/Mechanical
Max Horz 2=119(LC 11)
Max Uplift 2=-89(LC 12), 16=-151(LC 12), 11=-37(LC 12)
Max Grav 2=1094(LC 23), 16=2719(LC 1), 11=691(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-1826/131, 3-19=-1724/150, 3-4=-1367/103, 4-5=-1220/121, 5-20=-262/110, 7-8=-28/1251, 8-9=-160/346, 9-10=-336/313, 10-22=-1042/93, 11-22=-1186/72
BOT CHORD 2-18=-52/1584, 18-23=0/868, 23-24=0/868, 17-24=0/868, 16-17=-1071/176, 7-16=-2124/178, 12-13=-64/999, 11-12=-64/999
WEBS 3-18=-565/113, 5-18=0/755, 5-17=-976/126, 6-17=-463/44, 7-17=-85/1665, 13-16=-316/216, 8-16=-1162/127, 8-13=-5/563, 10-13=-890/99

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-0-11 to 3-2-5, Interior(1) 3-2-5 to 18-10-3, Exterior(2R) 18-10-3 to 23-1-3, Interior(1) 23-1-3 to 42-5-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
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) 2, 11 except (jt=lb) 16=151.
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	Rockwell/Dalton1/21(ID)DG
B0083-21	F7G	GABLE	1	1	Job Reference (optional)

Snake River Truss & Components, Idaho Falls, ID 83401 Run: 83.410 s Jul 8 2020 Print: 8.410 s Jul 8 2020 MiTek Industries, Inc. Thu Jan 21 08:47:52 2021 Page 1
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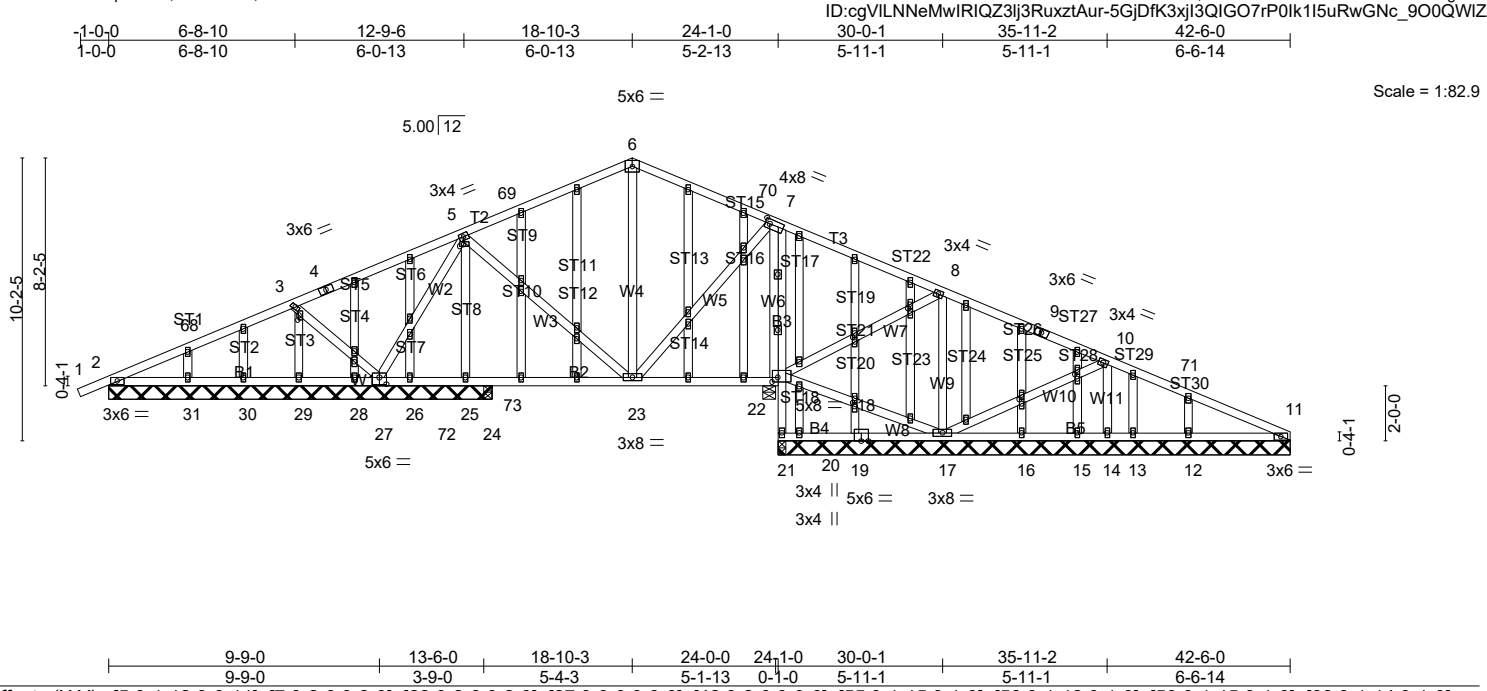

Plate Offsets (X,Y)-- [5:0-1-12,0-0-11], [7:0-2-0,0-2-0], [22:0-2-8,0-2-0], [27:0-3-0,0-3-0], [42:0-2-0,0-0-6], [55:0-1-15,0-1-0], [56:0-1-12,0-1-0], [59:0-1-15,0-1-0], [63:0-1-14,0-1-0], [65:0-1-14,0-1-0]

LOADING(psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 35.0	Plate Grip DOL 1.15	TC 0.41	Vert(LL) -0.02 11-12 >999 360	MT20 220/195
TCDL 8.0	Lumber DOL 1.15	BC 0.34	Vert(CT) -0.03 11-12 >999 240	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.61	Horz(CT) 0.01 11 n/a n/a	
BCDL 7.0	Code IRC2018/TPI2014	Matrix-R	Wind(LL) 0.01 11-12 >999 240	Weight: 318 lb FT = 0%

LUMBER-
TOP CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr
BOT CHORD 2x4 DF 1800F 1.6E or 2x4 DF No.1&Btr *Except*
B3: 2x4 DF Stud/Std
WEBS 2x4 DF Stud/Std
OTHERS 2x4 DF Stud/Std

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, Except:
6-0-0 oc bracing: 22-23,20-21,19-20,17-19.

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

REACTIONS. All bearings 18-5-0 except (jt=length) 2=13-9-8, 27=13-9-8, 22=0-5-8, 25=13-9-8, 26=13-9-8, 28=13-9-8, 29=13-9-8, 30=13-9-8, 31=13-9-8, 24=0-3-8.
(lb) - Max Horz2=119(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 21, 21, 22, 17, 14, 25, 30, 31, 13, 11 except 27=-158(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 26, 28, 29, 30, 31, 20, 19, 16, 15, 13, 12, 11, 24 except 2=381(LC 23), 27=1151(LC 1), 22=1008(LC 1), 17=481(LC 24), 14=601(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-68=-341/65, 4-5=-13/346, 5-69=-369/107, 6-69=-267/124, 7-70=-350/112
BOT CHORD 7-22=-905/117
WEBS 3-27=-582/125, 5-27=-874/115, 6-23=-280/25, 7-23=-18/424, 8-17=-442/58, 10-14=-543/93

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=4.2psf; BCDL=4.2psf; h=25ft; B=45ft; L=43ft; eave=5ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -1-0-11 to 3-2-5, Interior(1) 3-2-5 to 18-10-3, Exterior(2R) 18-10-3 to 23-1-3, Interior(1) 23-1-3 to 42-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 7.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 21, 22, 17, 14, 25, 30, 31, 13, 11 except (jt=lb) 27=158.
9) This truss is designed in accordance with the 2018 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard