

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	A	Roof Special	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:23 2021 Page 1
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-nvyPVBNGY3CRAPVTqWhlqxTFgyOwlSP_btZm2JymHHQ

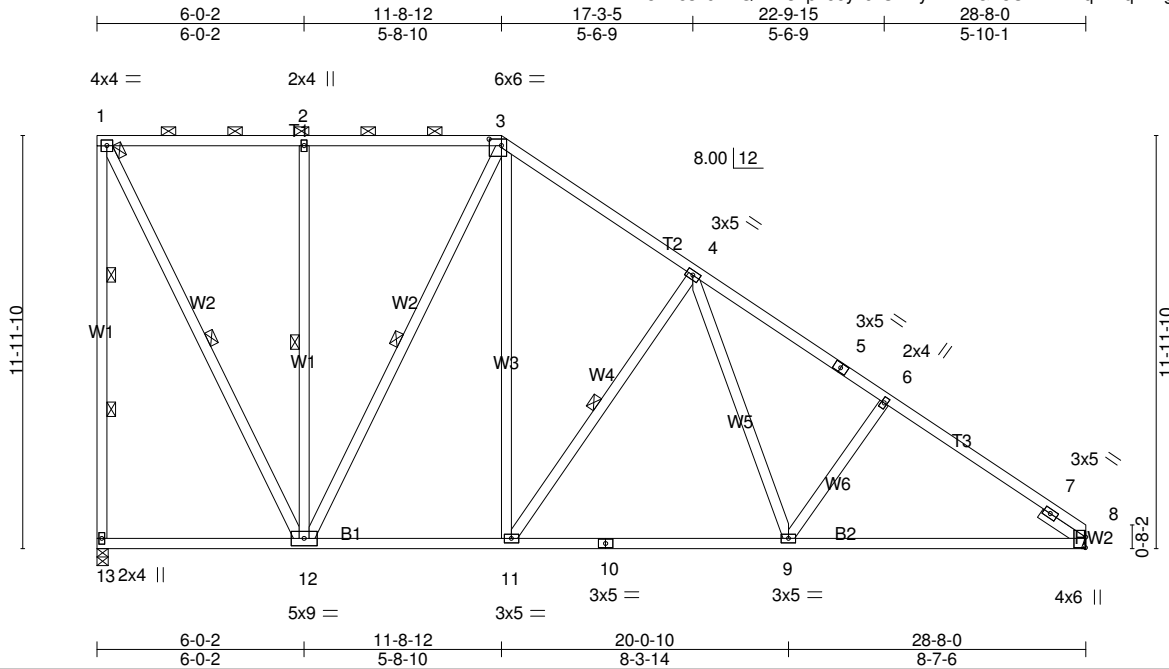


Plate Offsets (X,Y)-- [3:0-4-4,0-2-4], [8:0-3-11,0-0-1]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.90 BC 0.64 WB 0.58	Vert(LL) -0.19 Vert(CT) -0.31 Horz(CT) 0.04	9-11 9-11 8	>999 >999 n/a	240 180 n/a	MT20	197/144
TCDL 10.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IBC2015/TPI2014	Matrix-MS					Weight: 164 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-0-12 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3.
 BOT CHORD Rigid ceiling directly applied or 9-6-9 oc bracing.
 WEBS 1 Row at midpt 1-12, 2-12, 3-12, 4-11
 2 Rows at 1/3 pts 1-13

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

REACTIONS. (lb/size) 13=1141/0-4-0 (min. 0-1-15), 8=1141/Mechanical
 Max Horz 13=-444(LC 13)
 Max Uplift 13=-265(LC 8), 8=-144(LC 13)
 Max Grav 13=1254(LC 20), 8=1232(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-13=-1131/329, 1-18=-523/129, 2-18=-523/129, 2-19=-523/129, 3-19=-523/129, 3-20=-951/185, 4-20=-1038/171,
 4-5=-1466/235, 5-6=-1607/212, 6-21=-1675/211, 7-21=-1741/198, 7-8=-794/0
 BOT CHORD 13-22=-366/443, 12-22=-366/443, 12-23=0/763, 11-23=0/763, 10-11=0/1026, 10-24=0/1026, 9-24=0/1026, 8-9=-88/1360
 WEBS 1-12=-285/1154, 2-12=-410/214, 3-12=-637/208, 3-11=-161/840, 4-11=-677/299, 4-9=-92/510, 6-9=-302/222

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-8-12, Exterior(2) 11-8-12 to 14-8-12, Interior(1) 14-8-12 to 28-8-0 zone; cantilever left and right exposed; end vertical right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 265 lb uplift at joint 13 and 144 lb uplift at joint 8.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	A1CP	Piggyback	3	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:23 2021 Page 1
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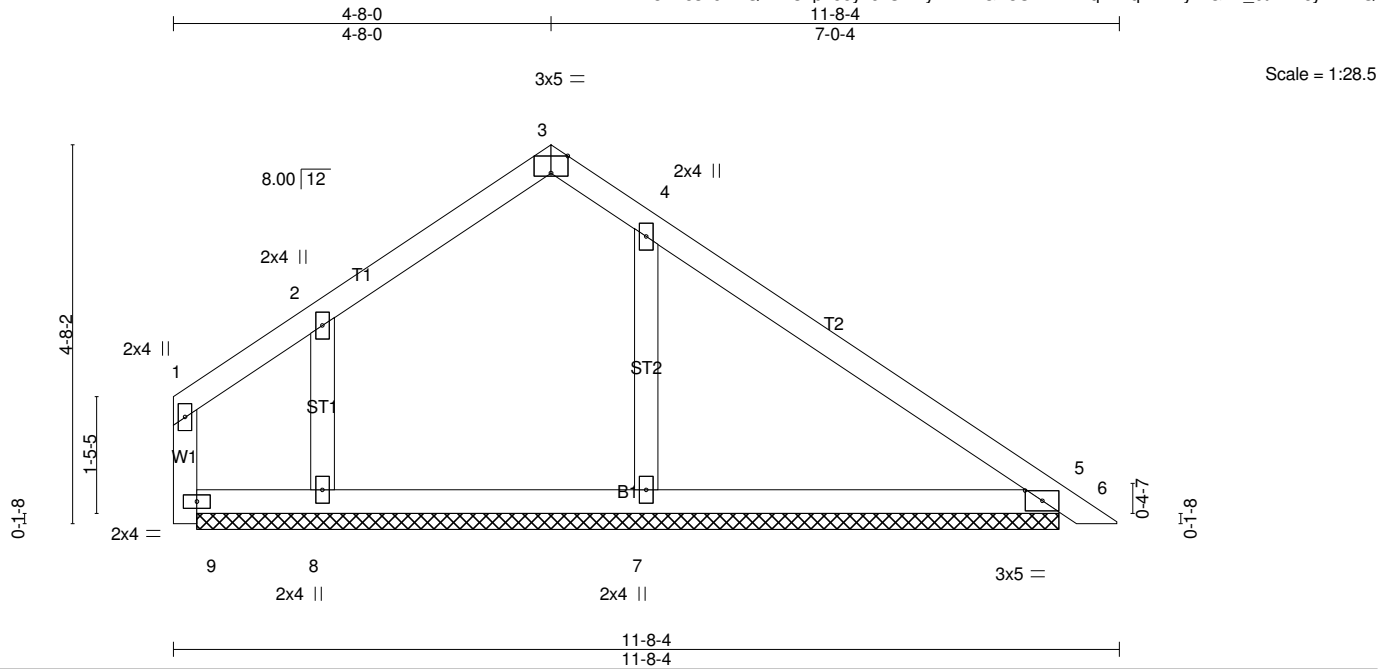


Plate Offsets (X,Y)-- [3:0-2-8,Edge], [5:0-2-9,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.27	Vert(LL)	-0.00	6	n/r	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.17	Vert(CT)	0.00	6	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.10	Horz(CT)	0.00	5	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S					Weight: 36 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

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

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

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

REACTIONS. (lb/size) 10=0/10-7-13 (min. 0-1-8), 9=40/10-7-13 (min. 0-1-8), 5=194/10-7-13 (min. 0-1-8), 7=439/10-7-13 (min. 0-1-8), 8=218/10-7-13 (min. 0-1-8)
 Max Horz 10=-106(LC 10)
 Max Uplift 9=-7(LC 10), 5=-12(LC 12), 7=-150(LC 13), 8=-120(LC 12)
 Max Grav 9=53(LC 13), 5=194(LC 1), 7=498(LC 21), 8=272(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 9-10=0/0, 1-9=-29/17, 1-2=-70/80, 2-11=-74/40, 3-11=-40/52, 3-4=-104/73, 4-12=-90/144, 12-13=-93/91, 5-13=-111/88, 5-6=0/23
 BOT CHORD 8-9=-109/144, 7-8=-109/144, 5-7=-109/144
 WEBS 4-7=-369/197, 2-8=-200/130

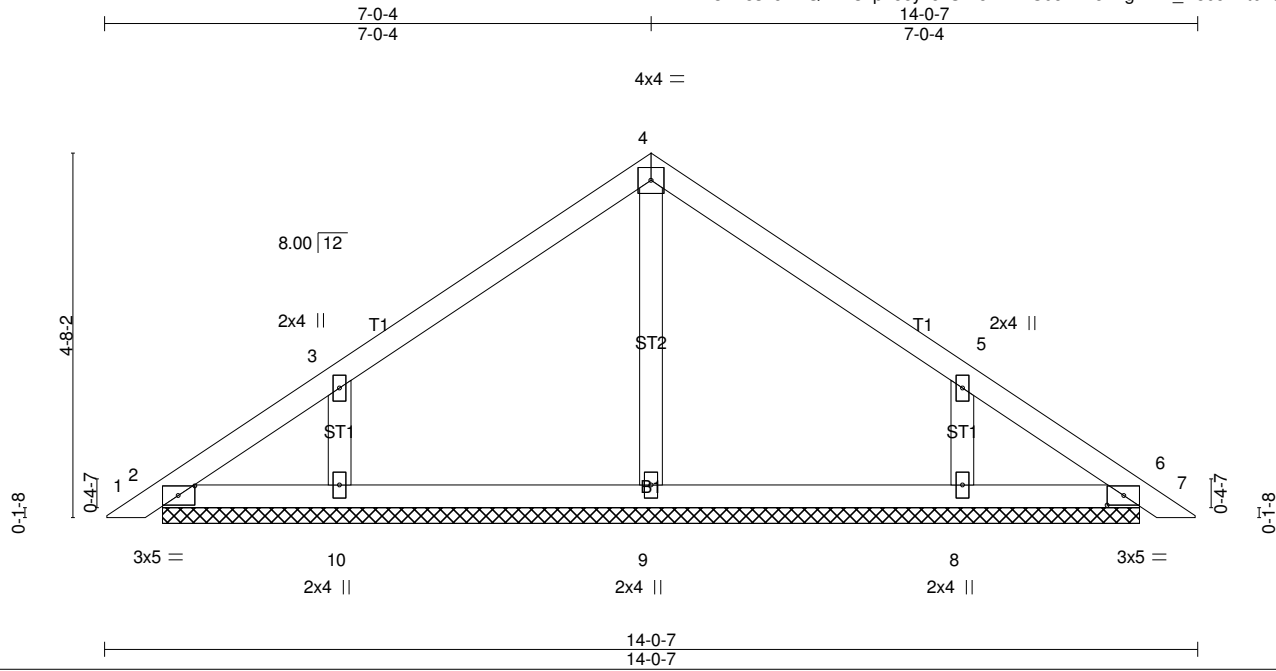
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-8-0, Exterior(2) 4-8-0 to 7-8-0, Interior(1) 7-8-0 to 11-4-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 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 7 lb uplift at joint 9, 12 lb uplift at joint 5, 150 lb uplift at joint 7 and 120 lb uplift at joint 8.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	ACP	Piggyback	7	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:24 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-F5WniXOuJMKIoZ4gNDD_N80cRLtb10V8pXIKalymHHP



Scale = 1:29.6

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	Vert(LL)	0.00	6	n/r	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.10	Vert(CT)	0.00	6	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.07	Horz(CT)	0.00	6	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 41 lb	FT = 20%

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

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=105/12-6-9 (min. 0-1-11), 6=105/12-6-9 (min. 0-1-11), 9=262/12-6-9 (min. 0-1-11), 10=293/12-6-9 (min. 0-1-11), 8=293/12-6-9 (min. 0-1-11)
Max Horz 2=-87(LC 10)
Max Uplift 2=-16(LC 8), 6=-1(LC 12), 10=-145(LC 12), 8=-144(LC 13)
Max Grav 2=108(LC 21), 6=105(LC 1), 9=262(LC 1), 10=342(LC 20), 8=342(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-3=-88/73, 3-11=-133/82, 4-11=-94/99, 4-12=-94/93, 5-12=-117/76, 5-6=-65/43, 6-7=0/23
BOT CHORD 2-10=-29/64, 9-10=-29/64, 8-9=-29/64, 6-8=-29/64
WEBS 4-9=-178/24, 3-10=-274/186, 5-8=-274/186

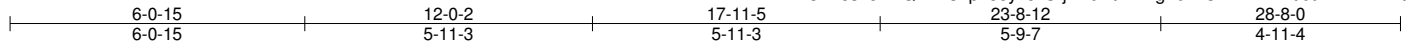
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-3-5 to 3-0-4, Interior(1) 3-0-4 to 7-0-4, Exterior(2) 7-0-4 to 10-0-4, Interior(1) 10-0-4 to 13-9-2 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 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 16 lb uplift at joint 2, 1 lb uplift at joint 6, 145 lb uplift at joint 10 and 144 lb uplift at joint 8.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	AG	Roof Special Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:25 2021 Page 1
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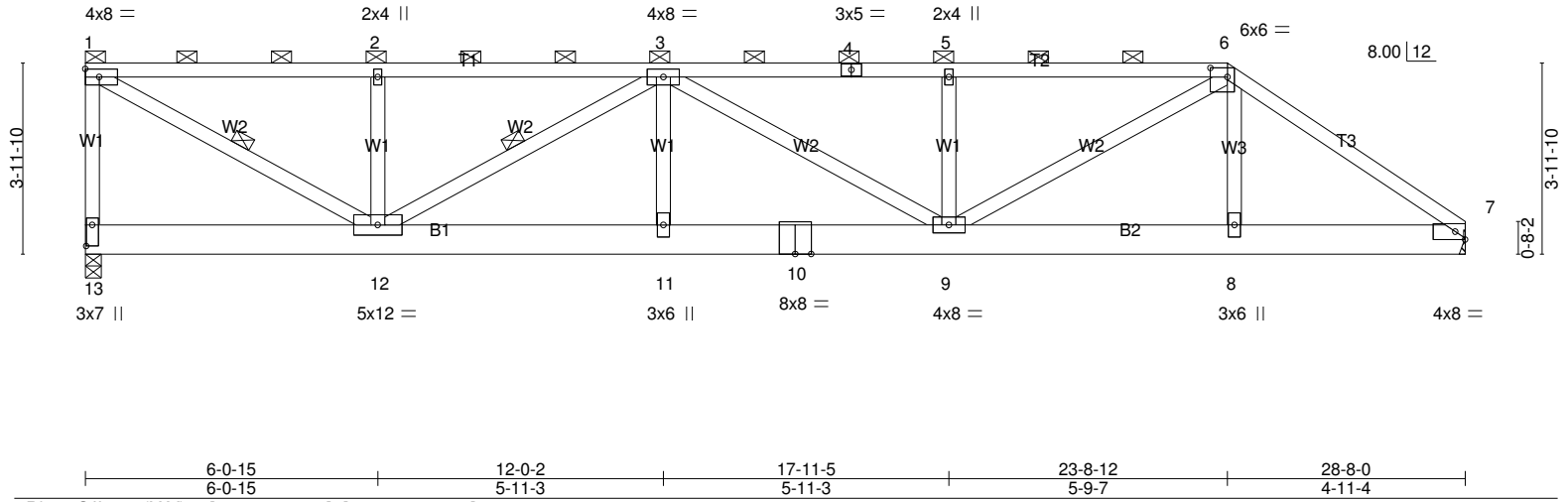


Plate Offsets (X,Y)-- [6:0-4-4,0-2-4], [13:0-5-4,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.67	Vert(LL)	0.22	9-11	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.35	Vert(CT)	-0.23	9-11	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.87	Horz(CT)	0.03	7	n/a		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 169 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x8 SP No.1
 WEBS 2x4 SPF Stud

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-10-10 oc purlins, except end verticals, and 2-0-0 oc purlins (3-0-15 max.): 1-6.
 BOT CHORD Rigid ceiling directly applied or 6-8-4 oc bracing.
 WEBS 1 Row at midpt 1-12, 3-12

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

REACTIONS. (lb/size) 13=1329/0-4-0 (min. 0-2-6), 7=1409/Mechanical
 Max Horz 13=-104(LC 30)
 Max Uplift 13=-901(LC 8), 7=-801(LC 8)
 Max Grav 13=1515(LC 40), 7=1509(LC 39)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-13=-1413/885, 1-17=-2066/1269, 17-18=-2066/1269, 18-19=-2066/1269, 2-19=-2066/1269, 2-20=-2066/1269, 20-21=-2066/1269, 3-21=-2066/1269, 3-22=-2900/1771, 4-22=-2900/1771, 4-5=-2900/1771, 5-23=-2900/1771, 23-24=-2900/1771, 24-25=-2900/1771, 6-25=-2900/1771, 6-26=-2177/1298, 26-27=-2185/1288, 7-27=-2250/1279
 BOT CHORD 13-28=-128/141, 28-29=-128/141, 12-29=-128/141, 12-30=-1821/3036, 30-31=-1821/3036, 11-31=-1821/3036, 11-32=-1821/3036, 10-32=-1821/3036, 10-33=-1821/3036, 9-33=-1821/3036, 9-34=-1003/1803, 34-35=-1003/1803, 8-35=-1003/1803, 8-36=-1005/1812, 36-37=-1005/1812, 7-37=-1005/1812
 WEBS 1-12=-1422/2318, 2-12=-469/410, 3-12=-1129/706, 3-11=-38/297, 3-9=-159/128, 5-9=-462/406, 6-9=-839/1293, 6-8=-60/282

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 23-8-12, Exterior(2) 23-8-12 to 26-8-12, Interior(1) 26-8-12 to 28-8-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 901 lb uplift at joint 13 and 801 lb uplift at joint 7.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	AG	Roof Special Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:25 2021 Page 2
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-jH49wtPW4gT9PifsxxkDvMZfti9tmHHH2B2t7CymHHO

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 81 lb down and 52 lb up at 0-1-12, 113 lb down and 127 lb up at 2-0-12, 113 lb down and 127 lb up at 4-0-12, 113 lb down and 127 lb up at 6-0-12, 113 lb down and 127 lb up at 8-0-12, 113 lb down and 127 lb up at 10-0-12, 113 lb down and 127 lb up at 12-0-12, 113 lb down and 127 lb up at 14-0-12, 113 lb down and 127 lb up at 16-0-12, 113 lb down and 127 lb up at 18-0-12, 113 lb down and 127 lb up at 20-0-12, and 113 lb down and 127 lb up at 22-0-12, and 110 lb down and 133 lb up at 23-8-12 on top chord, and 31 lb down and 28 lb up at 2-0-12, 31 lb down and 28 lb up at 4-0-12, 31 lb down and 28 lb up at 6-0-12, 31 lb down and 28 lb up at 8-0-12, 31 lb down and 28 lb up at 10-0-12, 31 lb down and 28 lb up at 12-0-12, 31 lb down and 28 lb up at 14-0-12, 31 lb down and 28 lb up at 16-0-12, 31 lb down and 28 lb up at 18-0-12, 31 lb down and 28 lb up at 20-0-12, 31 lb down and 28 lb up at 22-0-12, 31 lb down and 28 lb up at 23-8-0, and 86 lb down and 67 lb up at 25-8-0, and 86 lb down and 58 lb up at 26-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

11) 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 + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-6=-60, 6-7=-60, 13-14=-20

Concentrated Loads (lb)

Vert: 1=-38 4=-11(B) 12=-10(B) 2=-11(B) 3=-11(B) 11=-10(B) 5=-11(B) 9=-10(B) 6=-11(B) 8=-10(B) 17=-11(B) 19=-11(B) 20=-11(B) 21=-11(B) 22=-11(B) 23=-11(B) 25=-11(B) 28=-10(B) 29=-10(B) 30=-10(B) 31=-10(B) 32=-10(B) 33=-10(B) 34=-10(B) 35=-10(B) 36=-86(B) 37=-86(B)

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	AGE	Common Supported Gable	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:26 2021 Page 1
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4x4 =

Scale = 1:74.1

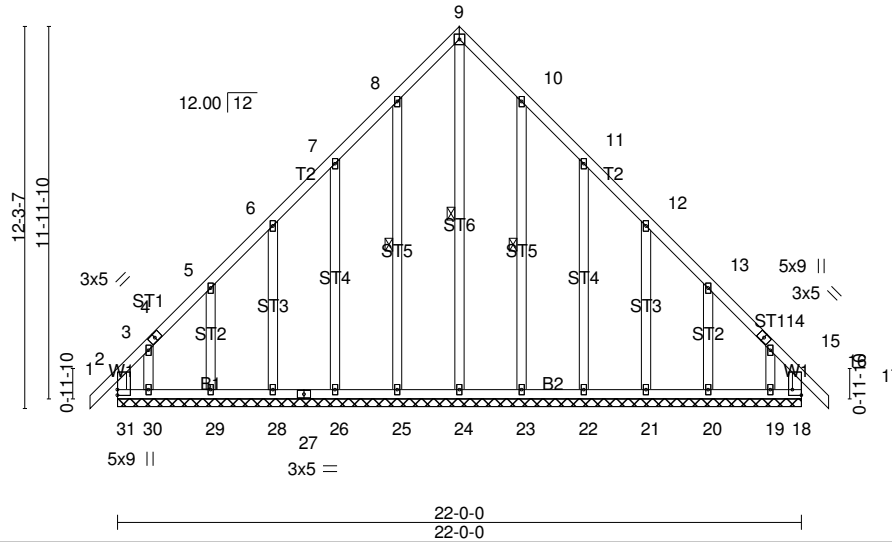


Plate Offsets (X,Y)-- [16:Edge,0-3-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.21	Vert(LL)	0.00	16	n/r	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.13	Vert(CT)	-0.00	16	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.28	Horz(CT)	0.01	18	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 140 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 9-24, 8-25, 10-23

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

REACTIONS. (lb/size) 31=126/22-0-0 (min. 0-2-15), 18=126/22-0-0 (min. 0-2-15), 24=137/22-0-0 (min. 0-2-15), 25=166/22-0-0 (min. 0-2-15), 26=160/22-0-0 (min. 0-2-15), 28=158/22-0-0 (min. 0-2-15), 29=168/22-0-0 (min. 0-2-15), 30=83/22-0-0 (min. 0-2-15), 23=166/22-0-0 (min. 0-2-15), 22=160/22-0-0 (min. 0-2-15), 21=158/22-0-0 (min. 0-2-15), 20=168/22-0-0 (min. 0-2-15), 19=83/22-0-0 (min. 0-2-15)
Max Horz 31=-251(LC 10)
Max Uplift 31=-264(LC 10), 18=-211(LC 11), 24=-54(LC 11), 25=-100(LC 12), 26=-124(LC 12), 28=-117(LC 12), 29=-104(LC 12), 30=-305(LC 12), 23=-98(LC 13), 22=-125(LC 13), 21=-117(LC 13), 20=-105(LC 13), 19=-289(LC 13)
Max Grav 31=366(LC 12), 18=337(LC 13), 24=374(LC 13), 25=204(LC 20), 26=200(LC 20), 28=200(LC 20), 29=199(LC 20), 30=293(LC 10), 23=202(LC 21), 22=201(LC 21), 21=199(LC 21), 20=200(LC 21), 19=264(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-31=-255/182, 1-2=0/72, 2-3=-331/267, 3-4=-185/151, 4-5=-184/177, 5-6=-137/127, 6-7=-138/165, 7-8=-220/245, 8-9=-301/333, 9-10=-301/333, 10-11=-220/243, 11-12=-121/145, 12-13=-105/91, 13-14=-154/140, 14-15=-160/114, 15-16=-306/220, 16-17=0/72, 16-18=-233/168
BOT CHORD 30-31=-159/207, 29-30=-159/207, 28-29=-159/207, 27-28=-159/207, 26-27=-159/207, 25-26=-159/207, 24-25=-159/207, 23-24=-159/207, 22-23=-159/207, 21-22=-159/207, 20-21=-159/207, 19-20=-159/207, 18-19=-159/207
WEBS 9-24=-391/291, 8-25=-164/124, 7-26=-180/149, 6-28=-168/138, 5-29=-174/140, 3-30=-199/207, 10-23=-162/122, 11-22=-180/150, 12-21=-168/138, 13-20=-174/140, 15-19=-203/200

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) 0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 11-0-0, Corner(3) 11-0-0 to 14-0-0, Exterior(2) 14-0-0 to 22-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 5) All plates are 2x4 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 8) Gable studs spaced at 2-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	AGE	Common Supported Gable	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:26 2021 Page 2
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-BUeY7CQ8r_b01sE2VeFSSZ5xn9YbVtjQHrnQfeymHHN

NOTES-

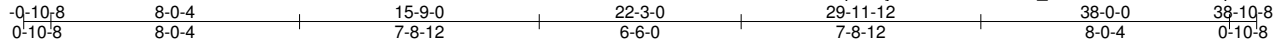
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 264 lb uplift at joint 31, 211 lb uplift at joint 18, 54 lb uplift at joint 24, 100 lb uplift at joint 25, 124 lb uplift at joint 26, 117 lb uplift at joint 28, 104 lb uplift at joint 29, 305 lb uplift at joint 30, 98 lb uplift at joint 23, 125 lb uplift at joint 22, 117 lb uplift at joint 21, 105 lb uplift at joint 20 and 289 lb uplift at joint 19.
- 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	AH	Hip	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:26 2021 Page 1
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-BUeY7CQ8r_b01sE2VeFSSZ5lv9WpVkJQHrnmQfeymHHN



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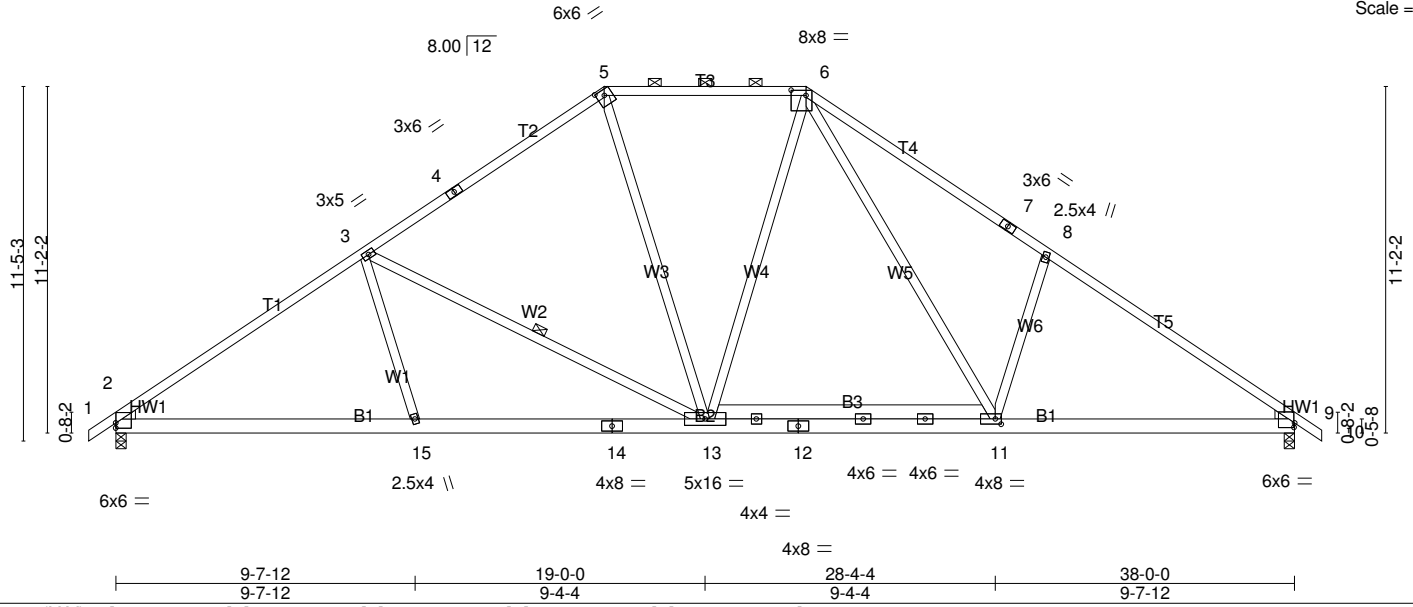


Plate Offsets (X,Y)-- [2:0-0,0-0-2-0], [5:0-3-0,0-2-3], [6:0-5-12,0-2-0], [9:0-0-4,0-1-12], [11:0-2-4,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.97	Vert(LL) -0.11 11-13	>999	240		MT20	197/144
(Roof Snow=20.0)	Lumber DOL 1.15	BC 0.31	Vert(CT) -0.20 11-13	>999	180			
TCDL 10.0	Rep Stress Incr YES	WB 0.88	Horz(CT) 0.05 9	n/a	n/a			
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-MS						
BCDL 10.0							Weight: 203 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2 *Except*
 T4: 2x4 SPF 1650F 1.5E
 BOT CHORD 2x6 SPF 1650F 1.5E
 WEBS 2x4 SPF Stud
 WEDGE
 Left: 2x4 SPF Stud , Right: 2x4 SPF Stud

BRACING-
 TOP CHORD Structural wood sheathing directly applied, except
 2-0-0 oc purlins (4-1-8 max.): 5-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 3-13

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

REACTIONS. (lb/size) 2=1573/0-4-0 (min. 0-2-10), 9=1573/0-4-0 (min. 0-2-11)
 Max Horz 2=215(LC 11)
 Max Uplift 2=-267(LC 12), 9=-267(LC 13)
 Max Grav 2=1664(LC 20), 9=1699(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-22=-2338/421, 3-22=-2144/445, 3-23=-1638/388, 4-23=-1557/398, 4-5=-1519/421, 5-24=-1429/425,
 24-25=-1429/425, 6-25=-1429/425, 6-26=-2235/565, 7-26=-2288/540, 7-8=-2354/532, 8-27=-2221/443, 9-27=-2415/419,
 9-10=0/49
 BOT CHORD 2-28=-332/1981, 28-29=-332/1981, 15-29=-332/1981, 14-15=-300/2057, 13-14=-300/2057, 13-30=-76/1355,
 12-30=-74/1361, 12-31=-72/1373, 11-31=-74/1367, 11-32=-255/1882, 32-33=-255/1882, 9-33=-255/1882
 WEBS 3-15=0/391, 3-13=-867/276, 5-13=-64/571, 6-13=-48/208, 6-11=-278/964, 8-11=-529/360

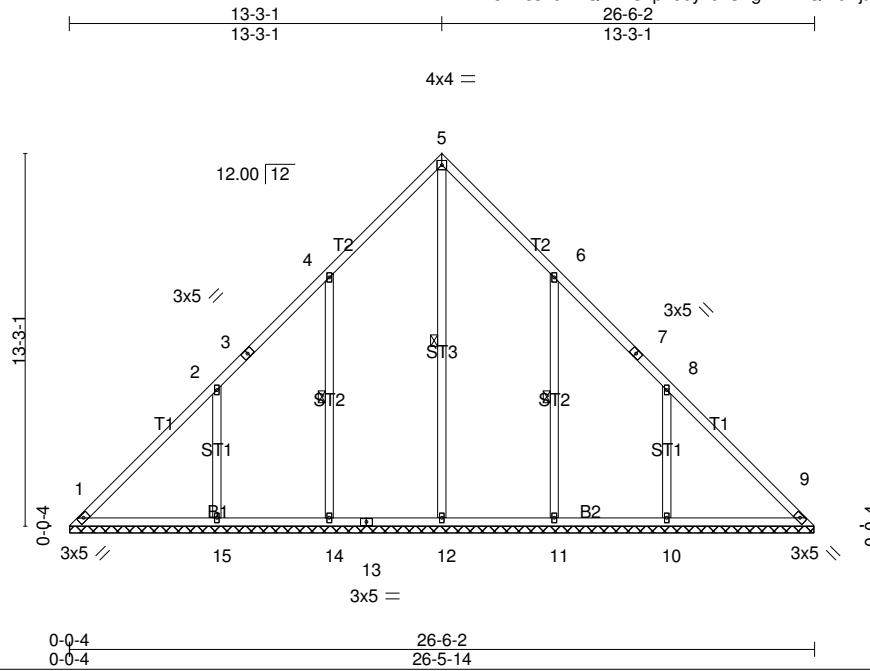
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-11-2, Interior(1) 2-11-2 to 15-9-0, Exterior(2) 15-9-0 to 21-1-8, Interior(1) 21-1-8 to 22-3-0, Exterior(2) 22-3-0 to 27-7-8, Interior(1) 27-7-8 to 38-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 267 lb uplift at joint 2 and 267 lb uplift at joint 9.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	AV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:27 2021 Page 1
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-fgBwLYQmbHjt0pF3Mmh_ne5MZulEK8aVVX_B4ymHHM



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.16	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.21	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 9 n/a n/a		
	Code IBC2015/TPI2014			Weight: 117 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 5-12, 4-14, 6-11

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

REACTIONS. (lb/size) 1=202/26-5-10 (min. 0-3-14), 12=226/26-5-10 (min. 0-3-14), 14=302/26-5-10 (min. 0-3-14), 15=415/26-5-10 (min. 0-3-14), 11=302/26-5-10 (min. 0-3-14), 10=415/26-5-10 (min. 0-3-14), 9=202/26-5-10 (min. 0-3-14)
 Max Horz 1=250(LC 9)
 Max Uplift 1=-37(LC 10), 14=-227(LC 12), 15=-300(LC 12), 11=-226(LC 13), 10=-300(LC 13)
 Max Grav 1=236(LC 21), 12=362(LC 22), 14=512(LC 19), 15=573(LC 19), 11=511(LC 20), 10=573(LC 20), 9=216(LC 22)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-16=-334/217, 2-16=-317/256, 2-3=-218/106, 3-4=-219/125, 4-17=-263/228, 5-17=-233/249, 5-18=-233/227, 6-18=-263/205, 6-7=-63/70, 7-8=-175/48, 8-19=-278/215, 9-19=-295/176
 BOT CHORD 1-15=-194/286, 14-15=-194/286, 13-14=-194/286, 12-13=-194/286, 11-12=-194/286, 10-11=-194/286, 9-10=-194/286
 WEBS 5-12=-223/129, 4-14=-331/277, 2-15=-425/343, 6-11=-331/276, 8-10=-425/343

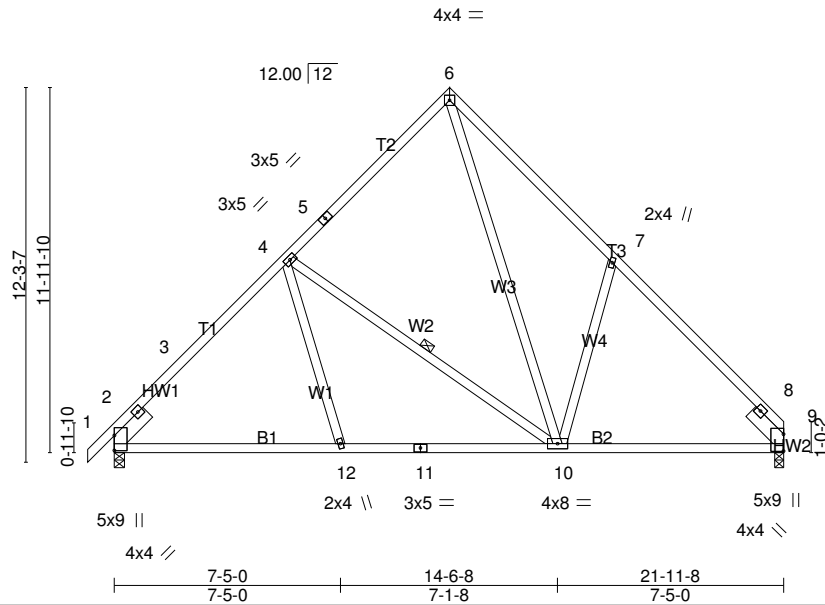
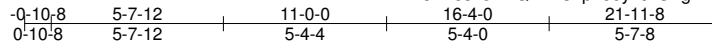
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 13-3-1, Exterior(2) 13-3-1 to 16-3-1, Interior(1) 16-3-1 to 26-1-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) All plates are 2x4 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 1, 227 lb uplift at joint 14, 300 lb uplift at joint 15, 226 lb uplift at joint 11 and 300 lb uplift at joint 10.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	B	Common	10	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:27 2021 Page 1
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-fgBwLYQmbHjtf0pF3Mmh_ne5rZq1E8paVVX_B4ymHHM



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.32	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.44	Vert(LL) -0.09 12-19 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 1.00	Vert(CT) -0.14 12-19 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.03 9 n/a n/a		
	Code IBC2015/TPI2014			Weight: 108 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 SLIDER Left 2x6 SPF 1650F 1.5E -δ 1-6-0, Right 2x6 SPF 1650F 1.5E -δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-10

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

REACTIONS. (lb/size) 9=877/0-3-8 (min. 0-1-8), 2=932/0-4-0 (min. 0-1-9)
 Max Horz 2=224(LC 9)
 Max Uplift 9=-139(LC 12), 2=-146(LC 12)
 Max Grav 9=945(LC 20), 2=986(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/62, 2-3=-417/0, 3-21=-1026/191, 4-21=-872/211, 4-5=-697/239, 5-22=-612/250, 6-22=-599/268, 6-23=-924/378,
 7-23=-986/349, 7-24=-869/212, 8-24=-1023/195, 8-9=-384/0
 BOT CHORD 2-25=-151/759, 25-26=-151/759, 12-26=-151/759, 11-12=-129/819, 10-11=-129/819, 10-27=-63/661, 27-28=-63/661,
 9-28=-63/661
 WEBS 4-12=0/299, 4-10=-518/238, 6-10=-328/838, 7-10=-390/341

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-10-8 to 2-1-8, Interior(1) 2-1-8 to 11-0-0, Exterior(2) 11-0-0 to 14-0-0, Interior(1) 14-0-0 to 21-11-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 139 lb uplift at joint 9 and 146 lb uplift at joint 2.
 - 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	BCP	Piggyback	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:28 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-8sIIyURPMbrkGANRc3HwX_BGoZDKzpOjk9GXjWymHLL

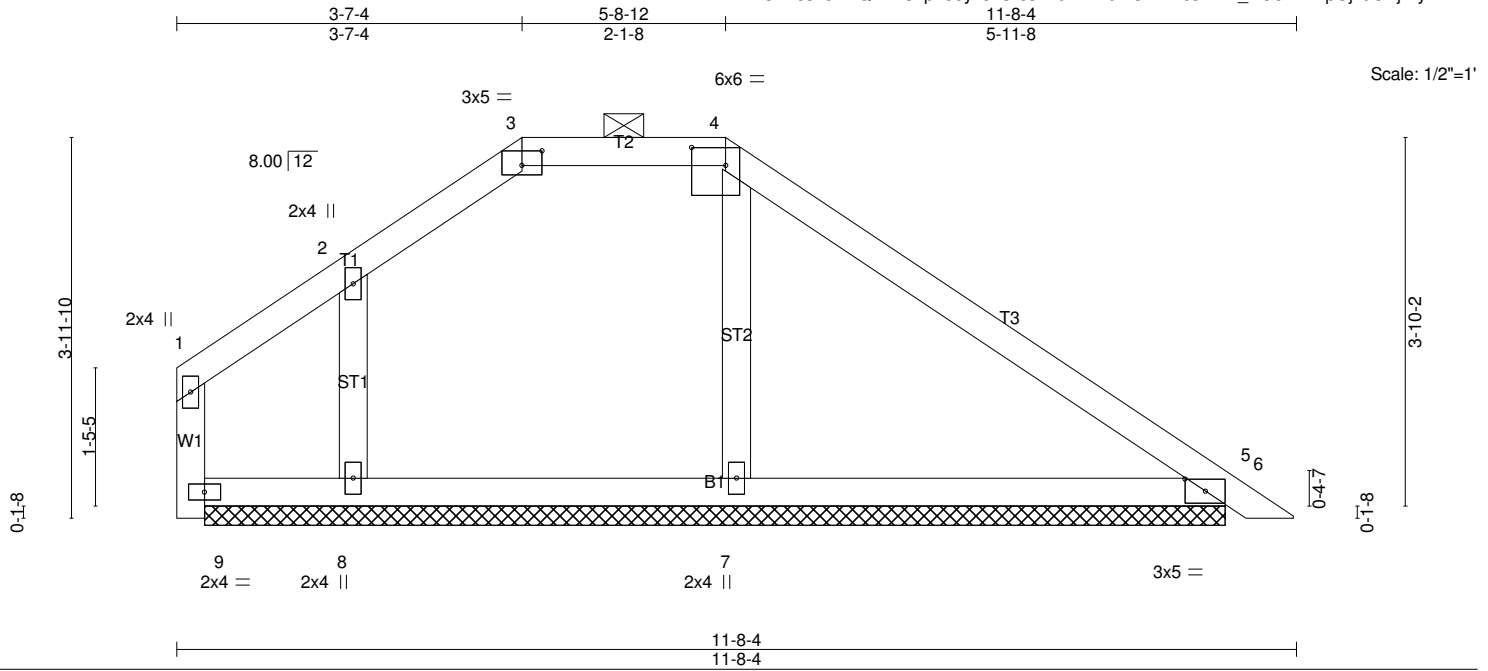


Plate Offsets (X,Y)-- [3:0-2-8,0-1-13], [4:0-4-4,0-2-4], [5:0-2-9,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.30	Vert(LL)	-0.00	6	n/r	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.18	Vert(CT)	0.00	6	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.08	Horz(CT)	0.00	5	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S					Weight: 36 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

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

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

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

REACTIONS. (lb/size) 10=0/10-7-13 (min. 0-1-8), 9=92/10-7-13 (min. 0-1-8), 5=226/10-7-13 (min. 0-1-8), 7=389/10-7-13 (min. 0-1-8), 8=185/10-7-13 (min. 0-1-8)
 Max Horz 10=-93(LC 10)
 Max Uplift 9=-20(LC 13), 5=-39(LC 13), 7=-82(LC 13), 8=-53(LC 12)
 Max Grav 9=92(LC 1), 5=226(LC 1), 7=413(LC 21), 8=210(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 9-10=0/0, 1-9=-69/46, 1-2=-67/44, 2-11=-111/95, 3-11=-88/99, 3-4=-96/104, 4-12=-76/96, 12-13=-76/76, 5-13=-148/74, 5-6=0/23
 BOT CHORD 8-9=-74/88, 7-8=-74/88, 5-7=-79/92
 WEBS 4-7=-276/140, 2-8=-162/93

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 3-7-4, Exterior(2) 3-7-4 to 9-11-11, Interior(1) 9-11-11 to 11-4-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 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 20 lb uplift at joint 9, 39 lb uplift at joint 5, 82 lb uplift at joint 7 and 53 lb uplift at joint 8.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
 - 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

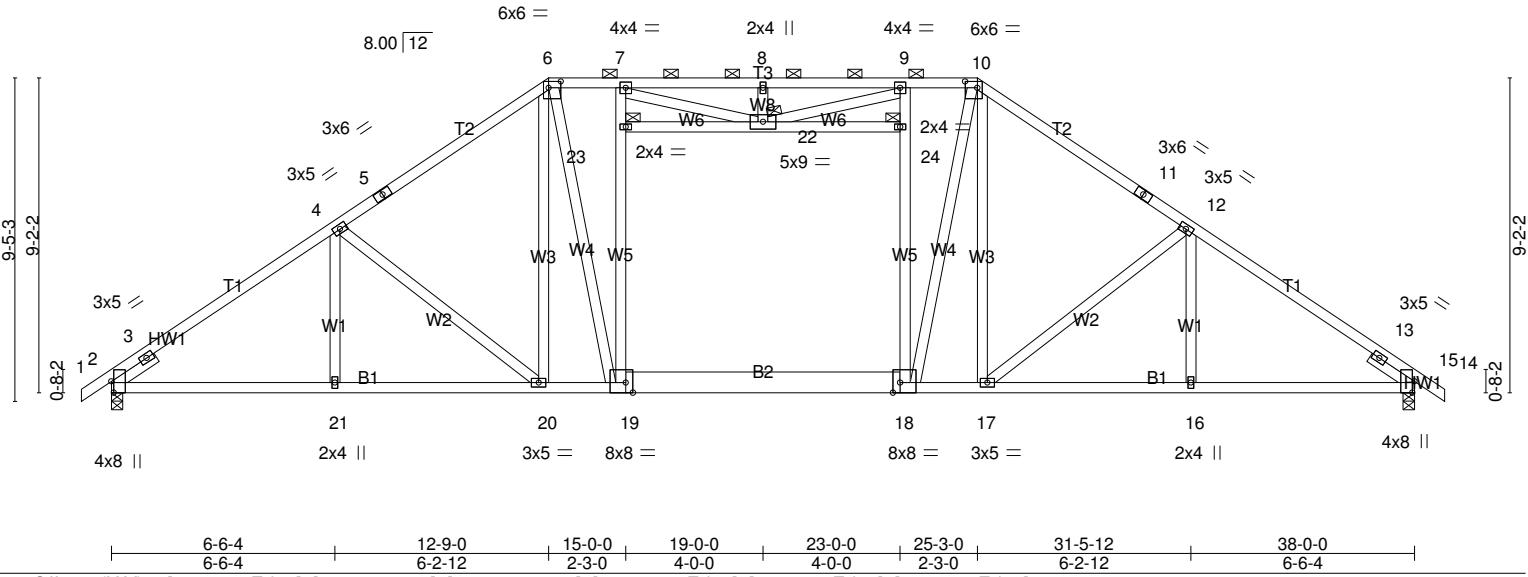
Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	BH	Hip	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:29 2021 Page 1
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-c3JgIES17vzbuKydAmo94BjK9MQji98tzp05GzymHHK

-0-10-8	6-6-4	12-9-0	15-0-0	19-0-0	23-0-0	25-3-0	31-5-12	38-0-0	38-10-8
0-10-8	6-6-4	6-2-12	2-3-0	4-0-0	4-0-0	2-3-0	6-2-12	6-6-4	0-10-8

Scale = 1:67.2



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.71	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.74	Vert(LL) 0.18 19-20 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.56	Vert(CT) -0.25 18-19 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.10 14 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 220 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 B2: 2x8 SP No.1
 WEBS 2x4 SPF Stud
 SLIDER Left 2x4 SPF Stud -Ø 1-6-0, Right 2x4 SPF Stud -Ø 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-7-13 oc purlins, except 2-0-0 oc purlins (4-1-0 max.): 6-10.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 JOINTS 1 Brace at Jt(s): 22, 23, 24

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

REACTIONS. (lb/size) 2=1573/0-4-0 (min. 0-2-8), 14=1573/0-4-0 (min. 0-2-8)
 Max Horz2=176(LC 11)
 Max Uplift2=-249(LC 12), 14=-249(LC 13)
 Max Grav2=1583(LC 20), 14=1583(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-823/42, 3-33=-2232/426, 4-33=-2096/443, 4-34=-1883/433, 5-34=-1844/434, 5-6=-1791/460, 6-7=-1582/453, 7-35=-1912/630, 8-35=-1912/630, 8-36=-1912/630, 9-36=-1912/630, 9-10=-1582/453, 10-11=-1791/460, 11-37=-1844/434, 12-37=-1883/433, 12-38=-2097/443, 13-38=-2232/426, 13-14=-823/42, 14-15=0/49
 BOT CHORD 2-21=-296/1886, 20-21=-296/1886, 19-20=-189/1511, 18-19=-166/1605, 17-18=-131/1464, 16-17=-272/1776, 14-16=-272/1776
 WEBS 4-21=0/221, 4-20=-470/230, 6-20=-132/422, 6-19=-276/580, 8-22=-240/128, 10-18=-276/580, 10-17=-132/422, 12-17=-469/230, 12-16=0/221, 19-23=-298/230, 7-23=-290/228, 18-24=-298/230, 9-24=-290/228, 22-23=-42/37, 22-24=-42/37, 7-22=-247/378, 9-22=-248/378

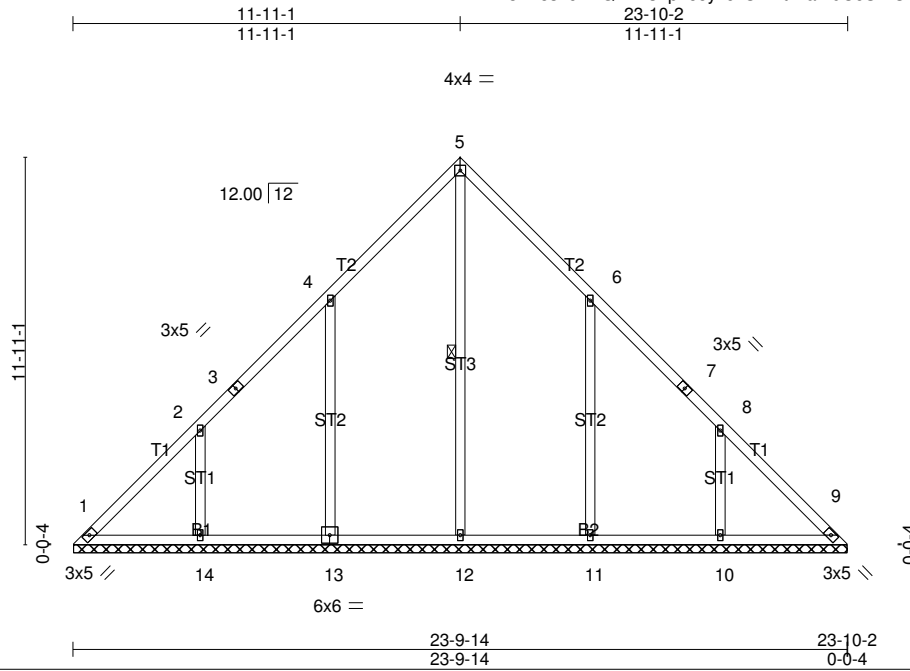
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-11-2, Interior(1) 2-11-2 to 12-9-0, Exterior(2) 12-9-0 to 18-1-8, Interior(1) 18-1-8 to 25-3-0, Exterior(2) 25-3-0 to 30-7-8, Interior(1) 30-7-8 to 38-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 249 lb uplift at joint 2 and 249 lb uplift at joint 14.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	BV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:30 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-4Ft2zaTfuC5SWUXqkUJOcPGeFmvGRee0CTleoPymHHJ



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.18	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.15	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.41	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 9 n/a n/a		
	Code IBC2015/TPI2014			Weight: 102 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-12

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

REACTIONS. (lb/size) 1=152/23-9-10 (min. 0-3-9), 12=216/23-9-10 (min. 0-3-9), 13=330/23-9-10 (min. 0-3-9), 14=335/23-9-10 (min. 0-3-9), 11=330/23-9-10 (min. 0-3-9), 10=336/23-9-10 (min. 0-3-9), 9=153/23-9-10 (min. 0-3-9)
Max Horz 1=224(LC 11)
Max Uplift1=63(LC 10), 13=247(LC 12), 14=242(LC 12), 11=246(LC 13), 10=242(LC 13), 9=26(LC 11)
Max Grav 1=198(LC 12), 12=348(LC 22), 13=546(LC 19), 14=475(LC 19), 11=544(LC 20), 10=476(LC 20), 9=173(LC 22)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-15=-318/204, 2-15=-299/234, 2-3=-200/90, 3-4=-127/120, 4-16=-240/203, 5-16=-210/224, 5-17=-210/204, 6-17=-240/183, 6-7=-76/67, 7-8=-161/38, 8-18=-263/201, 9-18=-283/171
BOT CHORD 1-14=-170/253, 13-14=-170/253, 12-13=-170/253, 11-12=-170/253, 10-11=-170/253, 9-10=-170/253
WEBS 5-12=-191/104, 4-13=-358/297, 2-14=-347/281, 6-11=-357/296, 8-10=-347/282

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 11-11-1, Exterior(2) 11-11-1 to 14-11-1, Interior(1) 14-11-1 to 23-5-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) All plates are 2x4 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 1, 247 lb uplift at joint 13, 242 lb uplift at joint 14, 246 lb uplift at joint 11, 242 lb uplift at joint 10 and 26 lb uplift at joint 9.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	C	Roof Special	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:30 2021 Page 1
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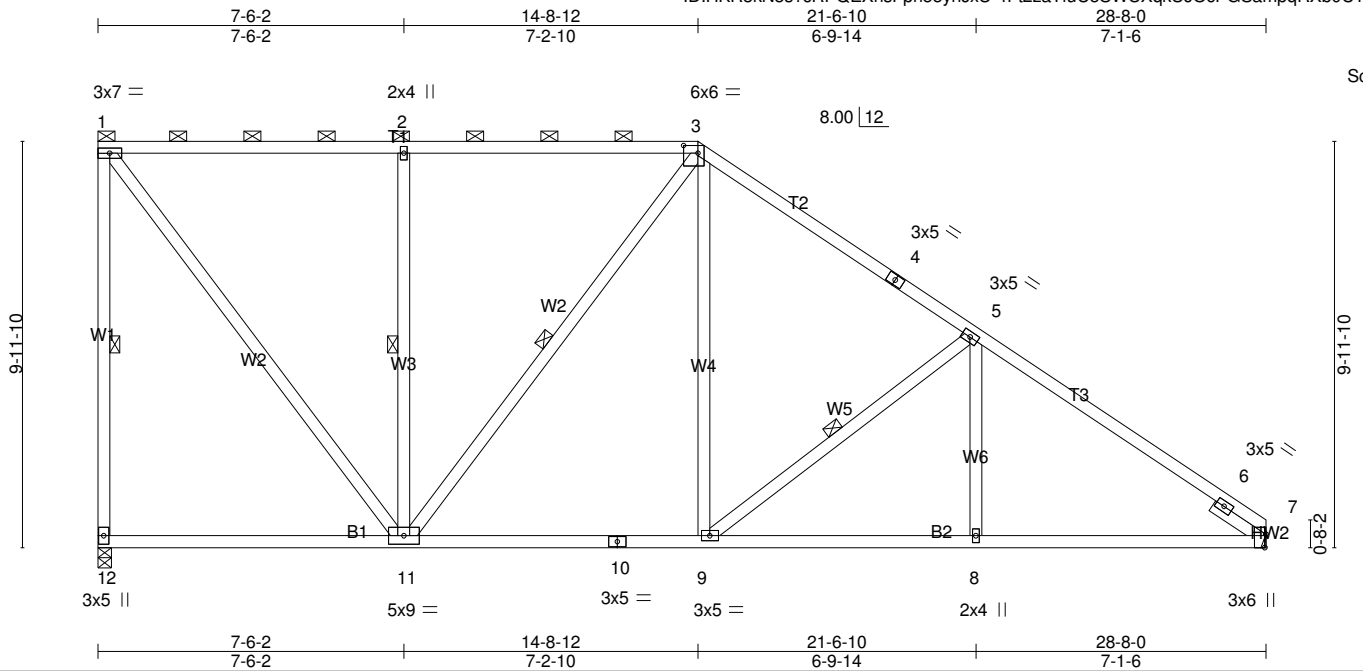


Plate Offsets (X,Y)-- [3:0-4-4,0-2-4], [7:0-3-15,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.92 BC 0.56 WB 0.87	in (loc) l/defl L/d Vert(LL) -0.11 11-12 >999 240 Vert(CT) -0.20 11-12 >999 180 Horz(CT) 0.03 7 n/a n/a	MT20	197/144
TCDL 10.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IBC2015/TPI2014	Matrix-MS		Weight: 144 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud *Except*
 W1: 2x4 SPF No.2
 SLIDER Right 2x4 SPF Stud -Ø 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-3-5 oc purlins, except end verticals, and 2-0-0 oc purlins (5-10-15 max.): 1-3.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 1-12, 2-11, 3-11, 5-9

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

REACTIONS. (lb/size) 12=1141/0-4-0 (min. 0-1-14), 7=1141/Mechanical
 Max Horz 12=-286(LC 10)
 Max Uplift12=-272(LC 8), 7=-194(LC 13)
 Max Grav 12=1194(LC 2), 7=1166(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-12=-1076/318, 1-17=-771/290, 2-17=-771/290, 2-18=-771/290, 3-18=-771/290, 3-19=-1099/316, 4-19=-1105/302,
 4-5=-1205/287, 5-20=-1460/312, 6-20=-1610/293, 6-7=-665/0
 BOT CHORD 12-21=-331/335, 11-21=-331/335, 11-22=-43/907, 10-22=-43/907, 9-10=-43/907, 8-9=-161/1254, 7-8=-161/1254
 WEBS 1-11=-287/1123, 2-11=-514/264, 3-11=-378/127, 3-9=-72/578, 5-9=-569/269, 5-8=0/262

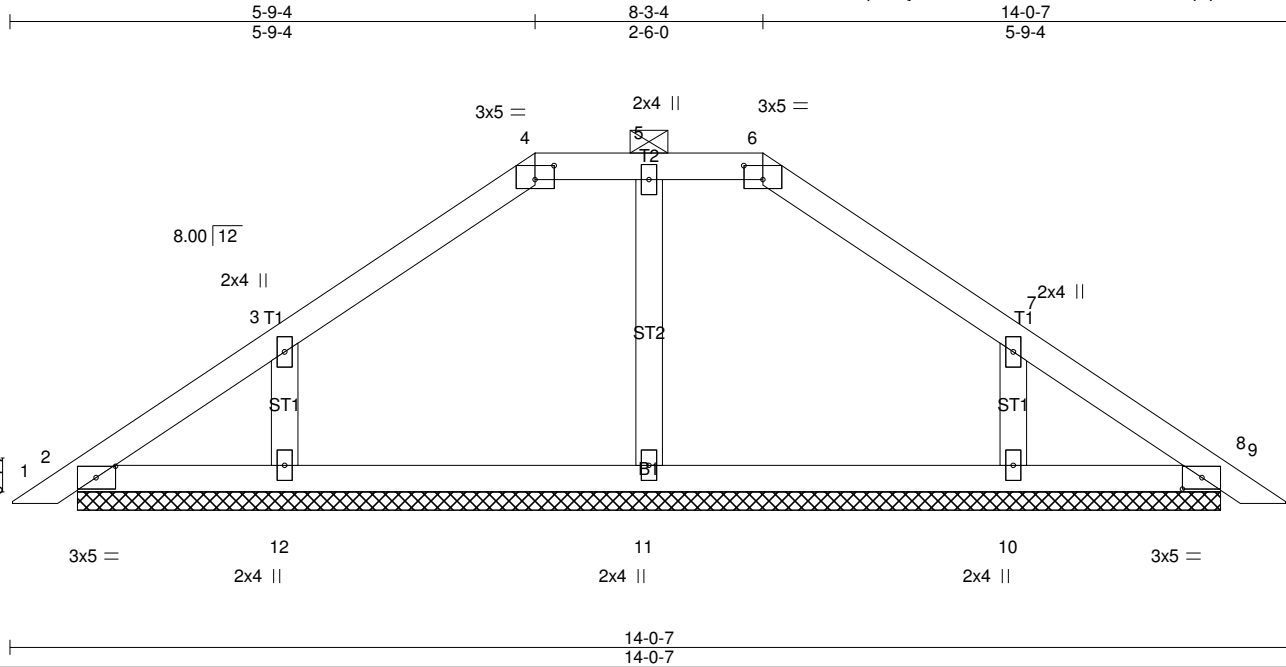
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 14-8-12, Exterior(2) 14-8-12 to 17-8-12, Interior(1) 17-8-12 to 28-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 272 lb uplift at joint 12 and 194 lb uplift at joint 7.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	CCP	Piggyback	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:31 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-YRRRAwTHfWDJ8d60lBrd9cpqUAG8ABdAQ7VBKrymHHI



Scale = 1:25.3

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	0.00	8	n/r	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.11	Vert(CT)	0.00	8	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.05	Horz(CT)	0.00	8	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 40 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-6.
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=170/12-6-9 (min. 0-1-11), 8=170/12-6-9 (min. 0-1-11), 11=214/12-6-9 (min. 0-1-11), 12=253/12-6-9 (min. 0-1-11), 10=253/12-6-9 (min. 0-1-11)
Max Horz 2=71(LC 11)
Max Uplift 2=-26(LC 13), 8=-21(LC 12), 12=-113(LC 12), 10=-112(LC 13)
Max Grav 2=170(LC 1), 8=170(LC 1), 11=214(LC 1), 12=297(LC 20), 10=296(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-13=-168/49, 3-13=-108/56, 3-4=-193/109, 4-5=-144/114, 5-6=-144/114, 6-7=-193/109, 7-14=-98/44,
8-14=-168/37, 8-9=0/23
BOT CHORD 2-12=-22/117, 11-12=-22/117, 10-11=-22/117, 8-10=-22/117
WEBS 5-11=-130/49, 3-12=-226/152, 7-10=-224/151

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-3-5 to 3-0-4, Interior(1) 3-0-4 to 5-9-4, Exterior(2) 5-9-4 to 12-6-2, Interior(1) 12-6-2 to 13-9-2 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 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 26 lb uplift at joint 2, 21 lb uplift at joint 8, 113 lb uplift at joint 12 and 112 lb uplift at joint 10.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
 - 11) Graphical 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	Fejerang - Charleston F
QUOTE FILE	D	Common	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:32 2021 Page 1
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-0d?pOGUvQqLAlnhCrvMshqLvKaUnvVpJfnElslymHHH

0-10-8	5-6-6	10-10-11	16-3-0	21-7-5	26-11-10	32-6-0	33-4-8
0-10-8	5-6-6	5-4-5	5-4-5	5-4-5	5-4-5	5-6-6	0-10-8

Scale = 1:57.2

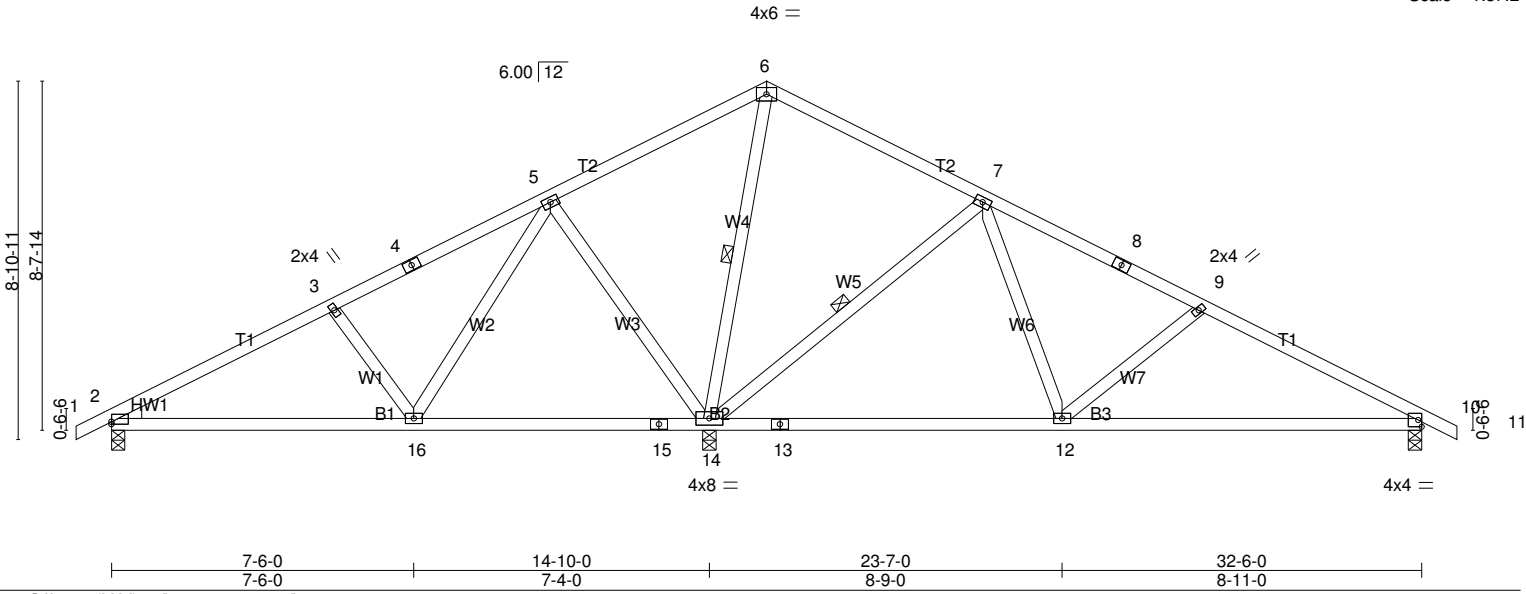


Plate Offsets (X,Y)-- [2:0-0,0-0-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.46	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.59	Vert(LL) -0.11 12-22 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.63	Vert(CT) -0.22 12-22 >954 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.01 2 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 131 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 WEDGE
 Left: 2x4 SPF Stud

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-11-9 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 6-0-0 oc bracing: 14-16.
 WEBS 1 Row at midpt 6-14, 7-14

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

REACTIONS. (lb/size) 2=451/0-4-0 (min. 0-1-8), 14=1656/0-4-0 (min. 0-2-10), 10=598/0-4-0 (min. 0-1-8)
 Max Horz 2=112(LC 14)
 Max Uplift 2=-89(LC 14), 14=-303(LC 14), 10=-136(LC 15)
 Max Grav 2=508(LC 21), 14=1664(LC 24), 10=650(LC 22)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/39, 2-23=-588/88, 3-23=-524/100, 3-4=-404/73, 4-5=-272/91, 5-24=-25/368, 24-25=-17/403, 6-25=-14/483,
 6-26=0/365, 26-27=0/283, 7-27=0/248, 7-8=-471/143, 8-9=-604/130, 9-28=-805/206, 10-28=-869/188, 10-11=0/39
 BOT CHORD 2-16=-128/468, 16-29=-125/193, 29-30=-125/193, 15-30=-125/193, 14-15=-125/193, 13-14=0/346, 13-31=0/346,
 31-32=0/346, 12-32=0/346, 10-12=-109/720
 WEBS 3-16=-310/199, 5-16=-94/506, 5-14=-638/264, 6-14=-620/118, 7-14=-734/252, 7-12=-26/490, 9-12=-332/207

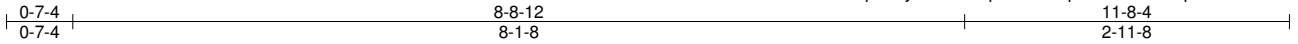
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-4-8, Interior(1) 2-4-8 to 16-3-0, Exterior(2) 16-3-0 to 19-6-0, Interior(1) 19-6-0 to 33-4-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 5) All plates are 3x5 MT20 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 2, 303 lb uplift at joint 14 and 136 lb uplift at joint 10.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	DCP	Piggyback	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

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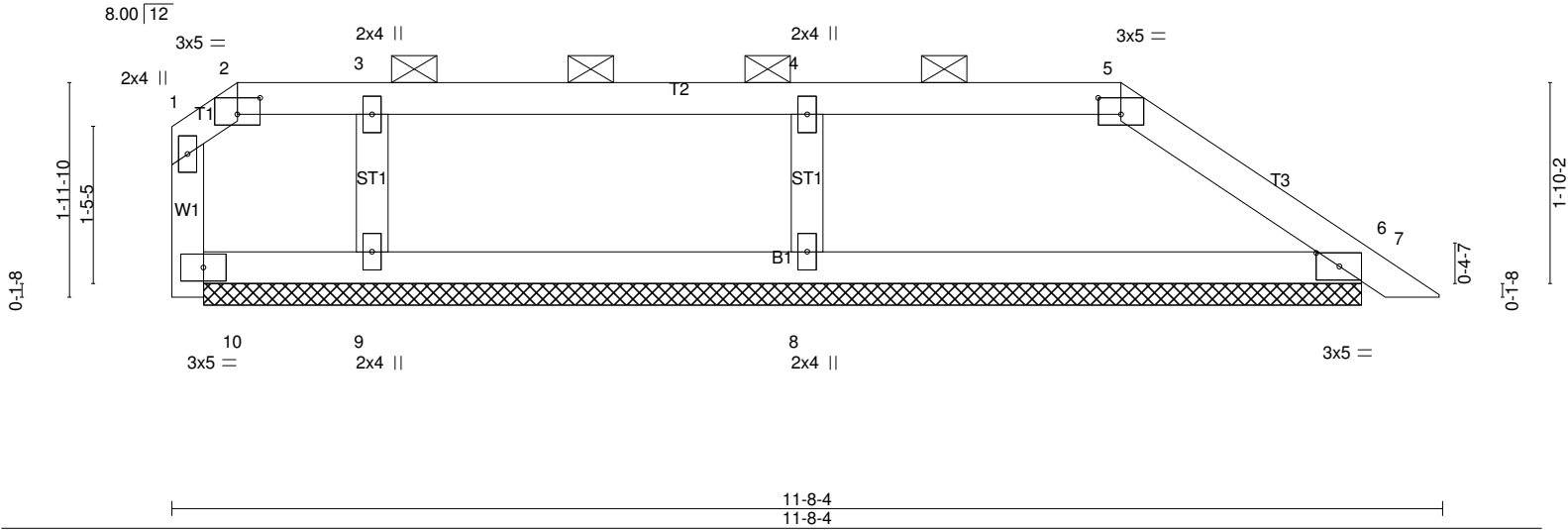


Plate Offsets (X,Y)-- [2:0-2-8,0-1-13], [5:0-2-8,0-1-13], [6:0-2-9,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.23	Vert(LL)	-0.00	7	n/r	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.17	Vert(CT)	0.00	7	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.06	Horz(CT)	-0.00	10	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S					Weight: 31 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 2-5.
 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) 11=0/10-7-13 (min. 0-1-8), 10=137/10-7-13 (min. 0-1-8), 6=227/10-7-13 (min. 0-1-8), 8=407/10-7-13 (min. 0-1-8), 9=121/10-7-13 (min. 0-1-8)
 Max Horz 11=-54(LC 10)
 Max Uplift 10=-50(LC 13), 6=-50(LC 13), 8=-91(LC 8), 9=-59(LC 9)
 Max Grav 10=137(LC 1), 6=227(LC 1), 8=407(LC 1), 9=129(LC 23)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 10-11=0/0, 1-10=-79/45, 1-2=-124/83, 2-3=-107/80, 3-12=-107/80, 12-13=-107/80, 4-13=-107/80, 4-5=-107/80, 5-6=-172/79, 6-7=0/23
 BOT CHORD 9-10=-19/96, 8-9=-19/96, 6-8=-19/96
 WEBS 4-8=-286/166, 3-9=-120/94

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 4-10-3, Interior(1) 4-10-3 to 8-8-12, Exterior(2) 8-8-12 to 11-4-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 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 50 lb uplift at joint 10, 50 lb uplift at joint 6, 91 lb uplift at joint 8 and 59 lb uplift at joint 9.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
 - 11) Graphical 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	Fejerang - Charleston F
QUOTE FILE	DGE	Common Structural Gable	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:33 2021 Page 2
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-UqZBbcVXB7T1NxGOPct5E1u4B_q9eu3SuR_IPkymHHG

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejering - Charleston F
QUOTE FILE	DH	Hip Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:35 2021 Page 1
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-QCgx0HXojllcFQnX1vZJSzMvnW06nPLITPTcymHHE

0-10-8	3-7-0	6-9-0	11-6-12	16-6-4	21-5-12	26-5-4	31-3-0	34-5-0	38-0-0	38-10-8
0-10-8	3-7-0	3-2-0	4-9-12	4-11-8	4-11-8	4-11-8	4-9-12	3-2-0	3-7-0	0-10-8

Scale = 1:65.0

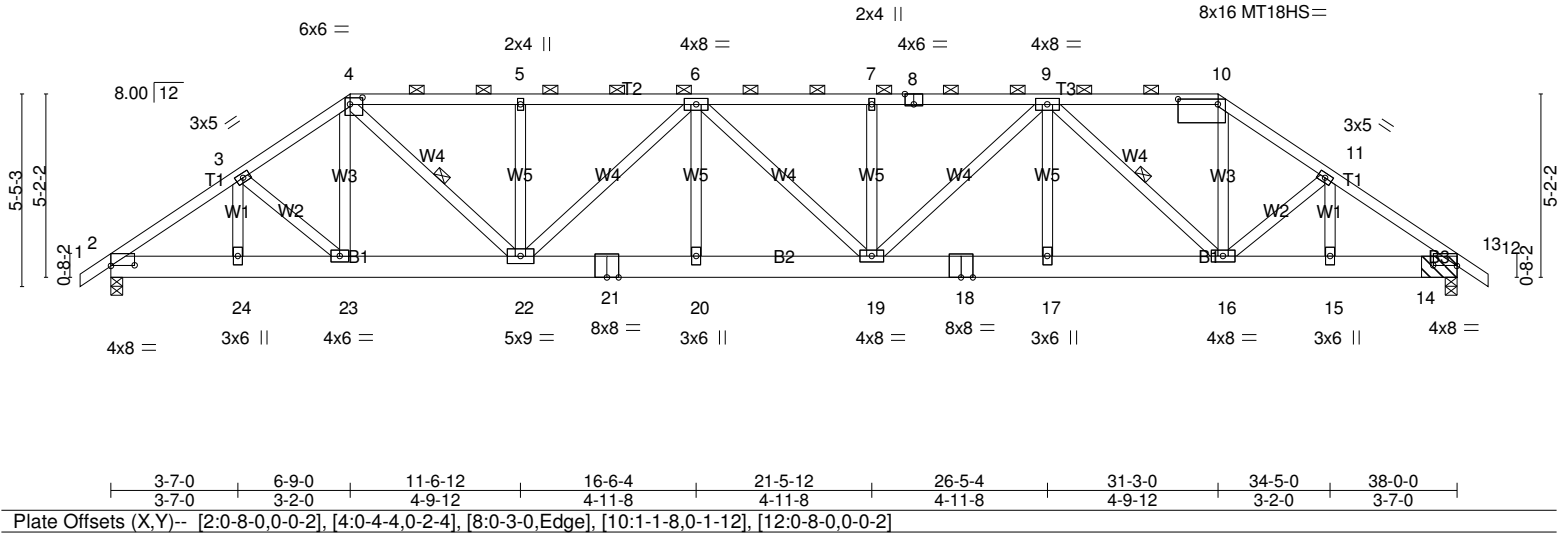


Plate Offsets (X,Y)-- [2:0-8-0,0-0-2], [4:0-4-4,0-2-4], [8:0-3-0,Edge], [10:1-1-8,0-1-12], [12:0-8-0,0-0-2]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.76	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.56	Vert(LL) 0.43 19-20 >999 240	MT18HS	197/144
TCDL 10.0	Lumber DOL 1.15	WB 0.96	Vert(CT) -0.47 19-20 >964 180		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.08 12 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 248 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-11-0 oc purlins, except 2-0-0 oc purlins (2-4-12 max.): 4-10.
BOT CHORD 2x8 SP No.1	BOT CHORD Rigid ceiling directly applied or 5-2-8 oc bracing.
WEBS 2x4 SPF Stud	WEBS 1 Row at midpt 4-22, 9-16

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

REACTIONS. (lb/size) 2=2361/0-4-0 (min. 0-4-0), 12=2398/(0-4-0 + bearing block) (req. 0-4-2)
 Max Horz 2=-99(LC 10)
 Max Uplift 2=-1302(LC 12), 12=-1368(LC 13)
 Max Grav 2=2555(LC 38), 12=2620(LC 39)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-31=-3741/2051, 31-32=-3688/2058, 3-32=-3671/2064, 3-4=-3761/2181, 4-33=-4415/2632, 33-34=-4415/2632, 5-34=-4415/2632, 5-35=-4415/2632, 35-36=-4415/2632, 36-37=-4415/2632, 6-37=-4415/2632, 6-38=-5144/3077, 38-39=-5144/3077, 7-39=-5144/3077, 7-8=-5144/3077, 8-40=-5144/3077, 40-41=-5144/3077, 9-41=-5144/3077, 9-42=-3122/1895, 42-43=-3122/1895, 43-44=-3122/1895, 10-44=-3122/1895, 10-11=-3855/2280, 11-45=-3779/2168, 45-46=-3794/2163, 12-46=-3849/2155, 12-13=0/49
 BOT CHORD 2-47=-1695/3117, 24-47=-1695/3117, 24-48=-1695/3117, 23-48=-1695/3117, 23-49=-1745/3134, 49-50=-1745/3134, 22-50=-1745/3134, 22-51=-2997/5222, 21-51=-2997/5222, 21-52=-2997/5222, 20-52=-2997/5222, 20-53=-2997/5222, 53-54=-2997/5222, 19-54=-2997/5222, 19-55=-2576/4531, 18-55=-2576/4531, 18-56=-2576/4531, 17-56=-2576/4531, 17-57=-2576/4531, 57-58=-2576/4531, 58-59=-2576/4531, 16-59=-2576/4531, 16-60=-1734/3145, 15-60=-1734/3145, 15-61=-1734/3145, 14-61=-1734/3145, 12-14=-1734/3145
 WEBS 3-24=-207/171, 3-23=-259/248, 4-23=-275/570, 4-22=-1169/1894, 5-22=-321/240, 6-22=-1062/666, 6-20=-218/424, 6-19=-45/32, 7-19=-304/224, 9-19=-549/914, 9-17=-188/374, 9-16=-1932/1175, 10-16=-1078/1871, 11-16=-276/259, 11-15=-188/163

- NOTES-**
- 2x8 SP No.1 bearing block 12" long at jt. 12 attached to front face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners. Bearing is assumed to be SPF 1650F 1.5E.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-10-8 to 2-11-2, Interior(1) 2-11-2 to 6-9-0, Exterior(2) 6-9-0 to 12-1-8, Interior(1) 12-1-8 to 31-3-0, Exterior(2) 31-3-0 to 36-7-8, Interior(1) 36-7-8 to 38-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * 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.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	DH	Hip Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:35 2021 Page 2
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NOTES-

- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1302 lb uplift at joint 2 and 1368 lb uplift at joint 12.
- 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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) 84 lb down and 96 lb up at 6-9-0, 87 lb down and 90 lb up at 8-9-12, 87 lb down and 90 lb up at 10-9-12, 86 lb down and 90 lb up at 12-9-12, 86 lb down and 90 lb up at 14-9-12, 86 lb down and 90 lb up at 16-9-12, 86 lb down and 90 lb up at 18-9-12, 86 lb down and 90 lb up at 20-9-12, 86 lb down and 90 lb up at 22-9-12, 86 lb down and 90 lb up at 24-9-12, 87 lb down and 90 lb up at 26-9-12, 87 lb down and 90 lb up at 28-9-12, and 85 lb down and 94 lb up at 30-9-12, and 84 lb down and 96 lb up at 31-3-0 on top chord, and 147 lb down and 91 lb up at 2-9-12, 137 lb down and 90 lb up at 4-9-12, 108 lb down and 102 lb up at 6-9-12, 108 lb down and 102 lb up at 8-9-12, 108 lb down and 102 lb up at 10-9-12, 108 lb down and 102 lb up at 12-9-12, 108 lb down and 102 lb up at 14-9-12, 108 lb down and 102 lb up at 16-9-12, 108 lb down and 102 lb up at 18-9-12, 108 lb down and 102 lb up at 20-9-12, 108 lb down and 102 lb up at 22-9-12, 108 lb down and 102 lb up at 24-9-12, 108 lb down and 102 lb up at 26-9-12, 108 lb down and 102 lb up at 28-9-12, 108 lb down and 102 lb up at 30-9-12, 108 lb down and 102 lb up at 31-2-4, and 137 lb down and 90 lb up at 33-2-4, and 147 lb down and 91 lb up at 35-2-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) 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 + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-4=-60, 4-10=-60, 10-13=-60, 25-28=-20

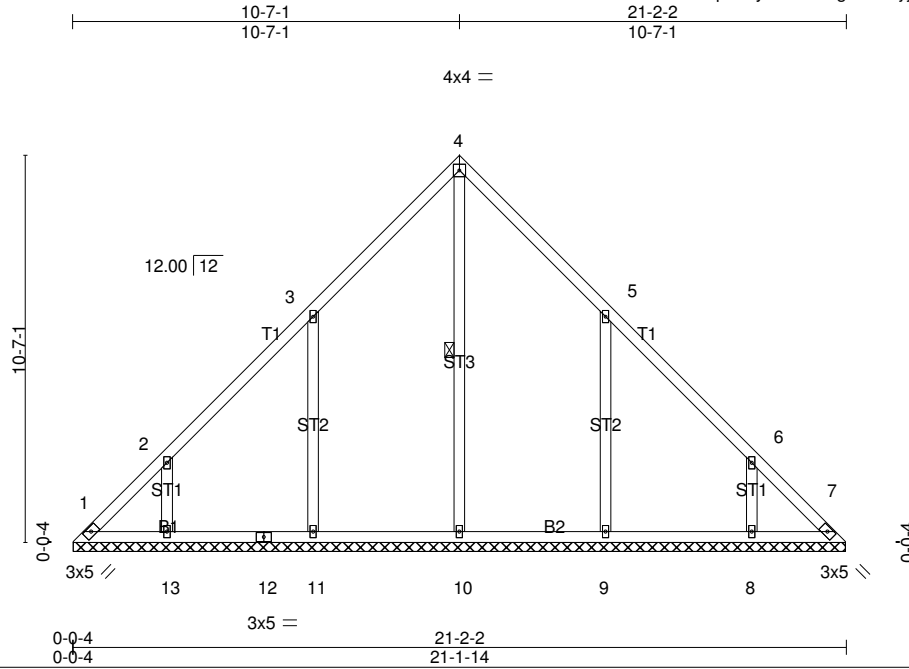
Concentrated Loads (lb)

Vert: 8=-0(F) 10=-0(F) 23=-74(F) 4=-0(F) 6=-0(F) 20=-74(F) 16=-74(F) 33=-0(F) 34=-0(F) 36=-0(F) 37=-0(F) 38=-0(F) 39=-0(F) 40=-0(F) 42=-0(F) 43=-0(F) 44=-0(F) 47=-147(F) 48=-137(F) 49=-74(F) 50=-74(F) 51=-74(F) 52=-74(F) 53=-74(F) 54=-74(F) 55=-74(F) 56=-74(F) 57=-74(F) 58=-74(F) 59=-74(F) 60=-137(F) 61=-147(F)

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	DV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:35 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-QCgx0HXojjlcFQnX1vZJSzV0ncb6xrlLITPTcymHHE



Scale = 1:63.0

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.18	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.14	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.29	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 7 n/a n/a		
	Code IBC2015/TPI2014			Weight: 87 lb	FT = 20%

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

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

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

REACTIONS. (lb/size) 1=94/21-1-10 (min. 0-3-1), 7=94/21-1-10 (min. 0-3-1), 10=210/21-1-10 (min. 0-3-1), 11=343/21-1-10 (min. 0-3-1), 13=276/21-1-10 (min. 0-3-1), 9=343/21-1-10 (min. 0-3-1), 8=276/21-1-10 (min. 0-3-1)
Max Horz 1=198(LC 9)
Max Uplift 1=97(LC 10), 7=65(LC 11), 11=257(LC 12), 13=198(LC 12), 9=256(LC 13), 8=198(LC 13)
Max Grav 1=202(LC 12), 7=181(LC 13), 10=342(LC 22), 11=550(LC 19), 13=362(LC 19), 9=549(LC 20), 8=362(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-306/215, 2-14=-188/78, 3-14=-122/129, 3-15=-217/177, 4-15=-186/199, 4-16=-186/181, 5-16=-217/160, 5-17=-87/83, 6-17=-153/32, 6-7=-274/193
BOT CHORD 1-13=-144/219, 13-18=-144/219, 12-18=-144/219, 11-12=-144/219, 10-11=-144/219, 9-10=-144/219, 9-19=-144/219, 8-19=-144/219, 7-8=-144/219
WEBS 4-10=-157/74, 3-11=-369/307, 2-13=-291/237, 5-9=-369/306, 6-8=-291/238

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 10-7-1, Exterior(2) 10-7-1 to 13-7-1, Interior(1) 13-7-1 to 20-9-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) All plates are 2x4 MT20 unless otherwise indicated.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 97 lb uplift at joint 1, 65 lb uplift at joint 7, 257 lb uplift at joint 11, 198 lb uplift at joint 13, 256 lb uplift at joint 9 and 198 lb uplift at joint 8.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	E	Roof Special	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:36 2021 Page 1
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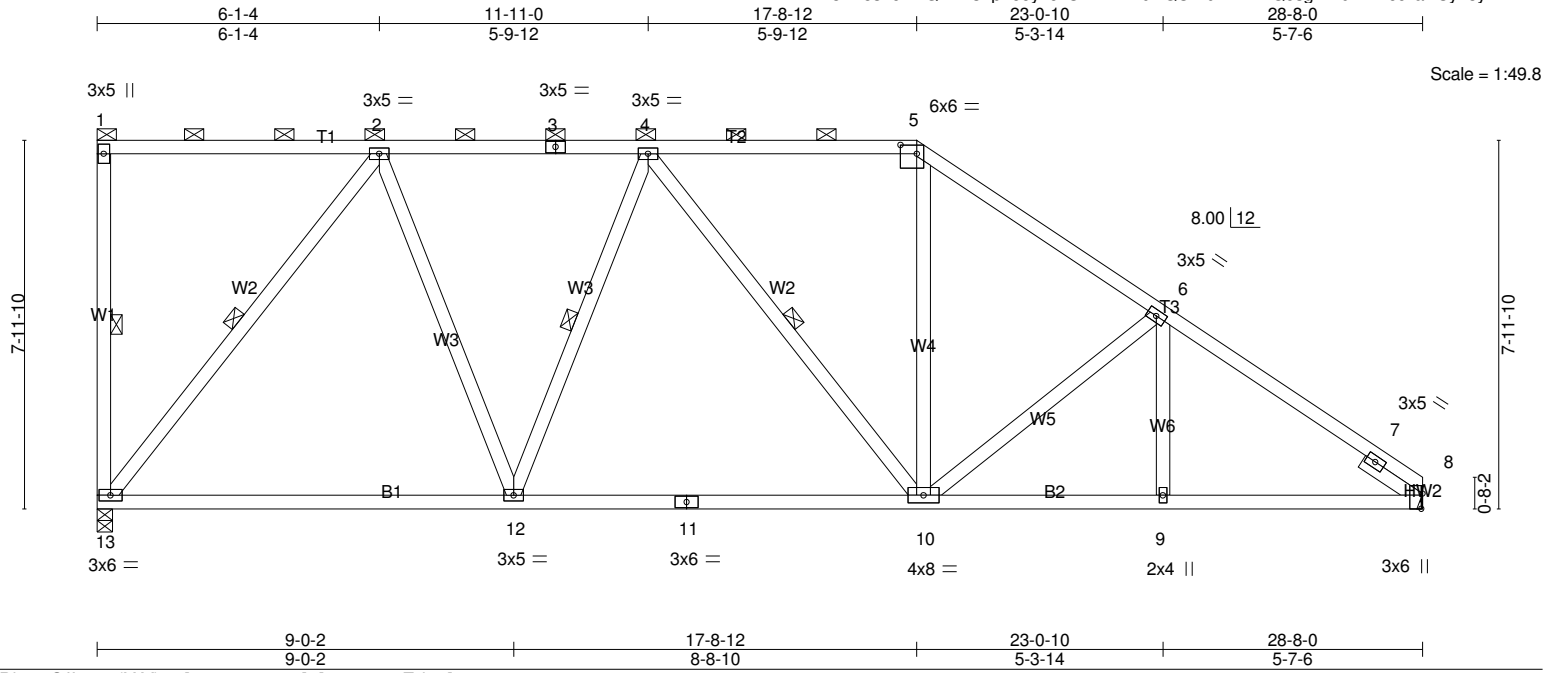


Plate Offsets (X,Y)-- [5:0-4-4,0-2-4], [8:0-3-15,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.62	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.85	Vert(LL) -0.19 12-13 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.64	Vert(CT) -0.36 12-13 >945 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.05 8 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 138 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-3-1 oc purlins, except end verticals, and 2-0-0 oc purlins (5-4-9 max.): 1-5.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 1-13, 2-13, 4-12, 4-10

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

REACTIONS. (lb/size) 13=1141/0-4-0 (min. 0-1-13), 8=1141/Mechanical
 Max Horz 13=-227(LC 10)
 Max Uplift 13=-271(LC 8), 8=-181(LC 13)
 Max Grav 13=1174(LC 2), 8=1144(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-13=-153/89, 1-18=-131/131, 2-18=-131/131, 2-3=-1033/282, 3-4=-1033/282, 4-19=-1054/312, 5-19=-1054/312, 5-20=-1277/325, 6-20=-1353/311, 6-21=-1487/323, 7-21=-1618/310, 7-8=-666/28
 BOT CHORD 13-22=-158/802, 22-23=-158/802, 12-23=-158/802, 12-24=-171/1114, 11-24=-171/1114, 11-25=-171/1114, 10-25=-171/1114, 9-10=-187/1281, 8-9=-187/1281
 WEBS 2-13=-1182/302, 2-12=-54/673, 4-12=-354/185, 4-10=-147/153, 5-10=-36/446, 6-10=-395/211, 6-9=0/157

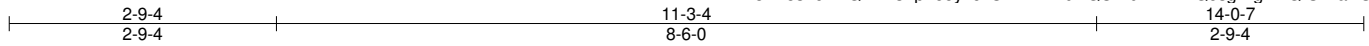
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 17-8-12, Exterior(2) 17-8-12 to 20-8-12, Interior(1) 20-8-12 to 28-8-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 271 lb uplift at joint 13 and 181 lb uplift at joint 8.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	ECP	Piggyback	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:36 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-vPEKEdXQU2rbEP?z4IQosgWglBzQrShvaPCy?3ymHHD



Scale: 1/2"=1'

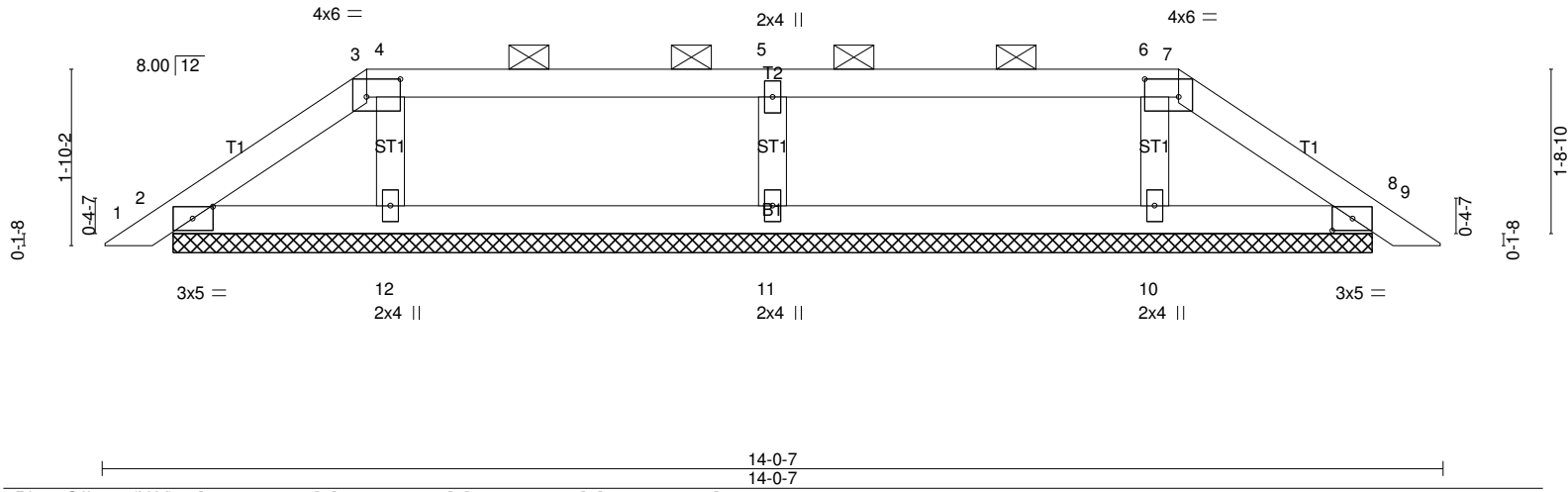


Plate Offsets (X,Y)-- [2:0-2-9,0-1-8], [3:0-4-4,0-2-4], [7:0-4-4,0-2-4], [8:0-2-9,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.18	Vert(LL)	-0.00	8	n/r	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.10	Vert(CT)	-0.00	8	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.06	Horz(CT)	0.00	8	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 35 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 3-7.
 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) 2=76/12-6-9 (min. 0-1-11), 8=76/12-6-9 (min. 0-1-11), 11=345/12-6-9 (min. 0-1-11), 12=281/12-6-9 (min. 0-1-11), 10=281/12-6-9 (min. 0-1-11)
 Max Horz 2=33(LC 11)
 Max Uplift 2=-23(LC 12), 8=-29(LC 13), 11=-87(LC 8), 12=-67(LC 9), 10=-60(LC 8)
 Max Grav 2=86(LC 20), 8=92(LC 21), 11=345(LC 1), 12=281(LC 1), 10=281(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/23, 2-3=-44/69, 3-4=-24/31, 4-5=-24/31, 5-6=-24/31, 6-7=-24/31, 7-8=-31/68, 8-9=0/23
 BOT CHORD 2-12=-29/42, 11-12=-29/42, 10-11=-29/42, 8-10=-29/42
 WEBS 5-11=-261/138, 4-12=-210/117, 6-10=-210/116

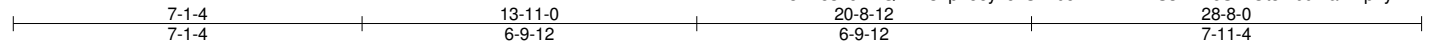
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-3-5 to 7-0-4, Interior(1) 7-0-4 to 11-3-4, Exterior(2) 11-3-4 to 13-9-2 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 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 23 lb uplift at joint 2, 29 lb uplift at joint 8, 87 lb uplift at joint 11, 67 lb uplift at joint 12 and 60 lb uplift at joint 10.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
 - 11) Graphical 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	Fejerang - Charleston F
QUOTE FILE	F	Roof Special	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:37 2021 Page 1
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-NboiRzY2FMzSsYZAeSx1Ot3hb9malY2p2yWYVymHHC



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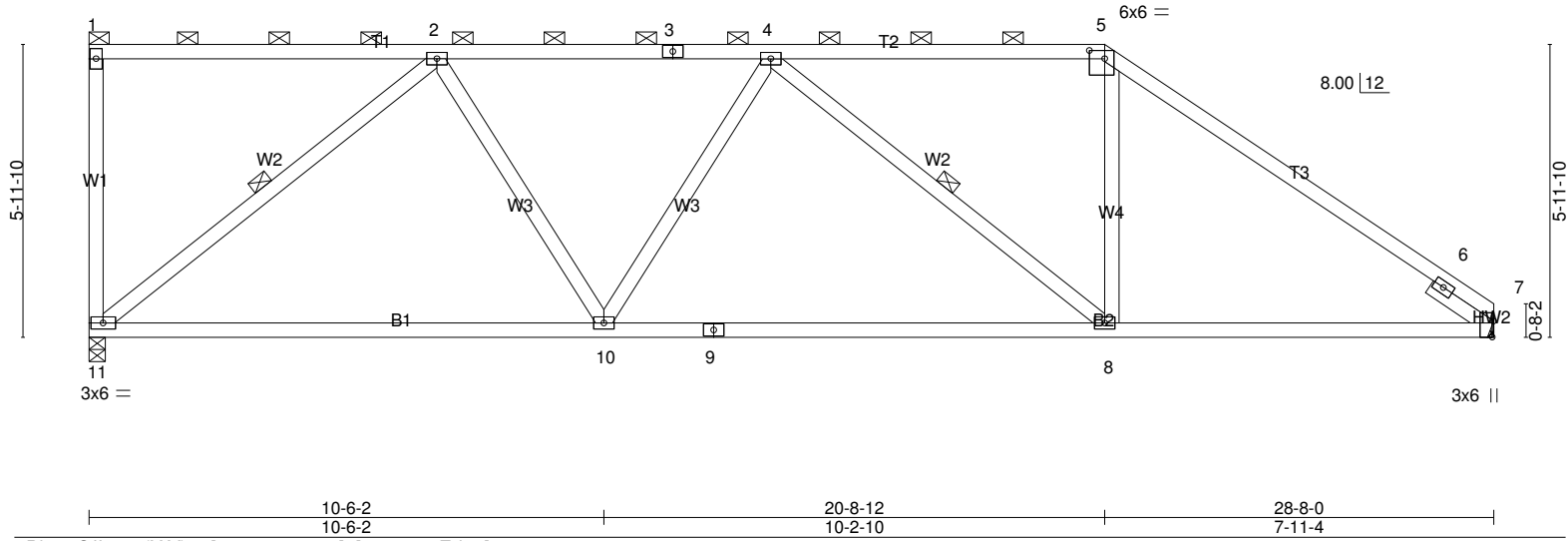


Plate Offsets (X,Y)-- [5:0-3-12,0-2-0], [7:0-3-15,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.80	Vert(LL)	-0.21 10-11	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.73	Vert(CT)	-0.43 10-11	>792	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.66	Horz(CT)	0.05 7	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS					Weight: 120 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 B1: 2x4 SP DSS
 WEBS 2x4 SPF Stud
 SLIDER Right 2x4 SPF Stud -Ø 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (4-7-2 max.): 1-5.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 2-11, 4-8

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

REACTIONS. (lb/size) 11=1141/0-4-0 (min. 0-1-13), 7=1141/Mechanical
 Max Horz 11=-168(LC 10)
 Max Uplift 11=-270(LC 8), 7=-162(LC 13)
 Max Grav 11=1141(LC 1), 7=1153(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-11=-182/96, 1-16=-109/97, 2-16=-109/97, 2-3=-1449/311, 3-4=-1449/311, 4-17=-1242/321, 5-17=-1242/321, 5-18=-1502/308, 18-19=-1510/291, 6-19=-1611/285, 6-7=-580/1
 BOT CHORD 11-20=-257/1148, 20-21=-257/1148, 10-21=-257/1148, 9-10=-287/1521, 9-22=-287/1521, 8-22=-287/1521, 8-23=-137/1253, 7-23=-137/1253
 WEBS 2-11=-1386/363, 2-10=0/591, 4-10=-230/171, 4-8=-447/212, 5-8=-16/517

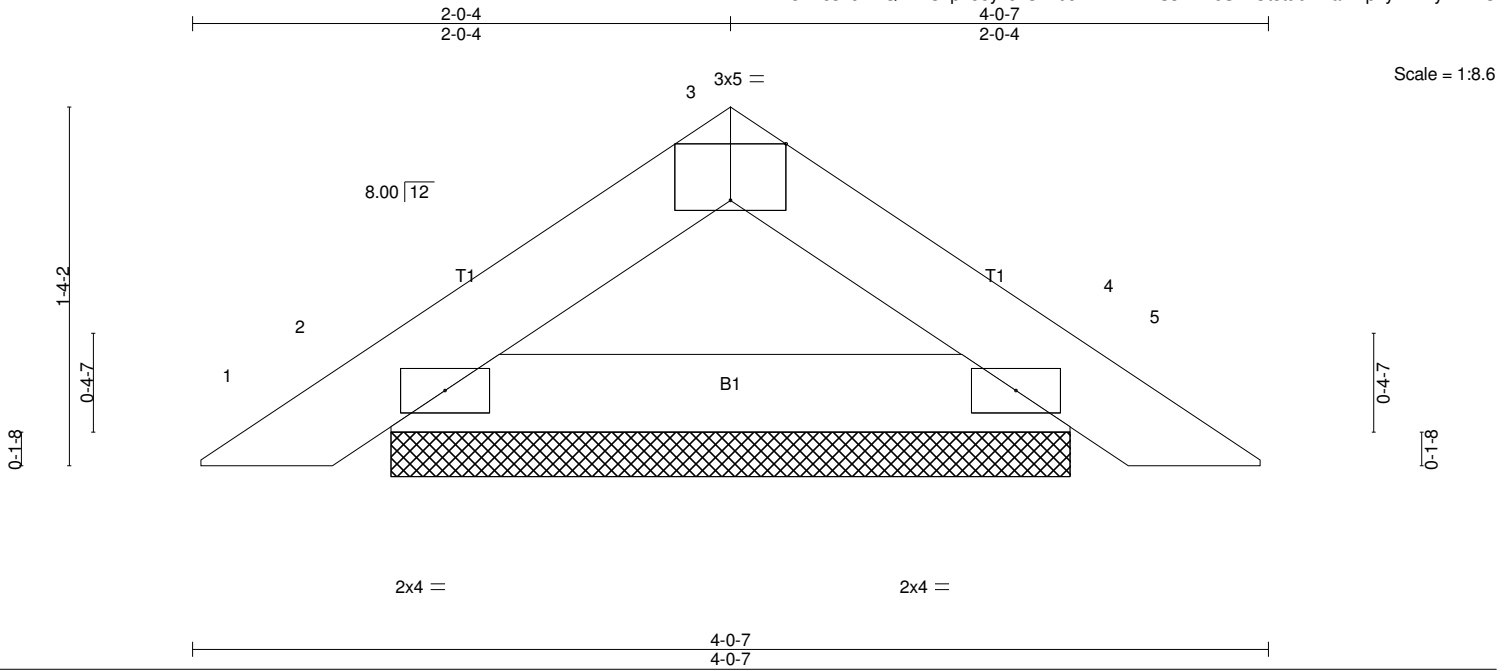
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 20-8-12, Exterior(2) 20-8-12 to 23-8-12, Interior(1) 23-8-12 to 28-8-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are 3x5 MT20 unless otherwise indicated.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 270 lb uplift at joint 11 and 162 lb uplift at joint 7.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	FCP	Piggyback	6	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:37 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-NboiRzY2FMzSsYZAeSx1Oit3tubK Davr2p2yWYVymHHC



LOADING (psf)		SPACING-		CSI.		DEFL.				PLATES GRIP	
TCLL	20.0	2-0-0		TC	0.02	in	(loc)	l/defl	L/d	MT20	197/144
(Roof Snow=20.0)		Plate Grip DOL	1.15	BC	0.06	Vert(LL)	0.00	4	n/r		
TCDL	10.0	Lumber DOL	1.15	WB	0.00	Vert(CT)	0.00	4	n/r		
BCLL	0.0 *	Rep Stress Incr	YES	Matrix-P		Horz(CT)	0.00	4	n/a		
BCDL	10.0	Code IBC2015/TPI2014								Weight: 8 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 2=130/2-6-9 (min. 0-1-8), 4=130/2-6-9 (min. 0-1-8)
Max Horz 2=22(LC 11)
Max Uplift 2=27(LC 12), 4=27(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-3=-82/36, 3-4=-82/36, 4-5=0/23
BOT CHORD 2-4=-8/52

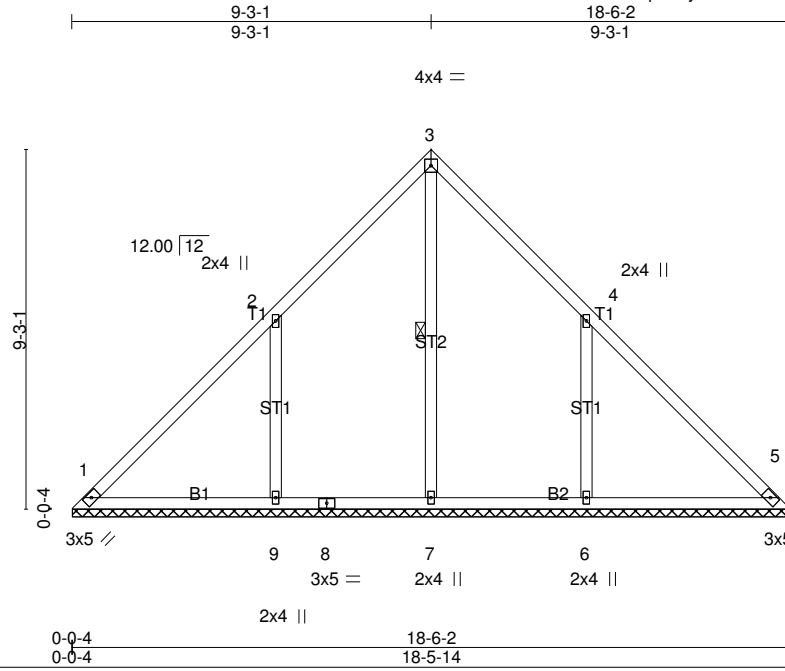
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 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 27 lb uplift at joint 2 and 27 lb uplift at joint 4.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	FV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:37 2021 Page 1
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-NboiRzY2FMzSsYZAeSx1Ot3p_bleasS2p2yWYVymHHC



Scale = 1:59.3

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.27	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.16	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.22	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.01 5 n/a n/a		
	Code IBC2015/TPI2014			Weight: 70 lb	FT = 20%

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

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

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

REACTIONS. (lb/size) 1=192/18-5-10 (min. 0-2-9), 5=192/18-5-10 (min. 0-2-9), 7=173/18-5-10 (min. 0-2-9), 9=434/18-5-10 (min. 0-2-9), 6=434/18-5-10 (min. 0-2-9)
 Max Horz 1=-172(LC 8)
 Max Uplift 1=-13(LC 8), 9=-319(LC 12), 6=-319(LC 13)
 Max Grav 1=208(LC 20), 5=192(LC 1), 7=323(LC 22), 9=597(LC 19), 6=597(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-10=-191/127, 2-10=-173/167, 2-11=-195/150, 3-11=-160/171, 3-12=-160/158, 4-12=-195/137, 4-13=-146/135, 5-13=-164/88
 BOT CHORD 1-9=-126/191, 8-9=-126/191, 7-8=-126/191, 6-7=-126/191, 5-6=-126/191
 WEBS 3-7=-133/61, 2-9=-446/363, 4-6=-446/363

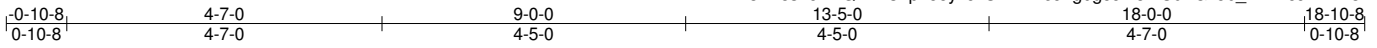
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 9-3-1, Exterior(2) 9-3-1 to 12-3-1, Interior(1) 12-3-1 to 18-1-14 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 1, 319 lb uplift at joint 9 and 319 lb uplift at joint 6.
 - 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	G	Common	4	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:38 2021 Page 1
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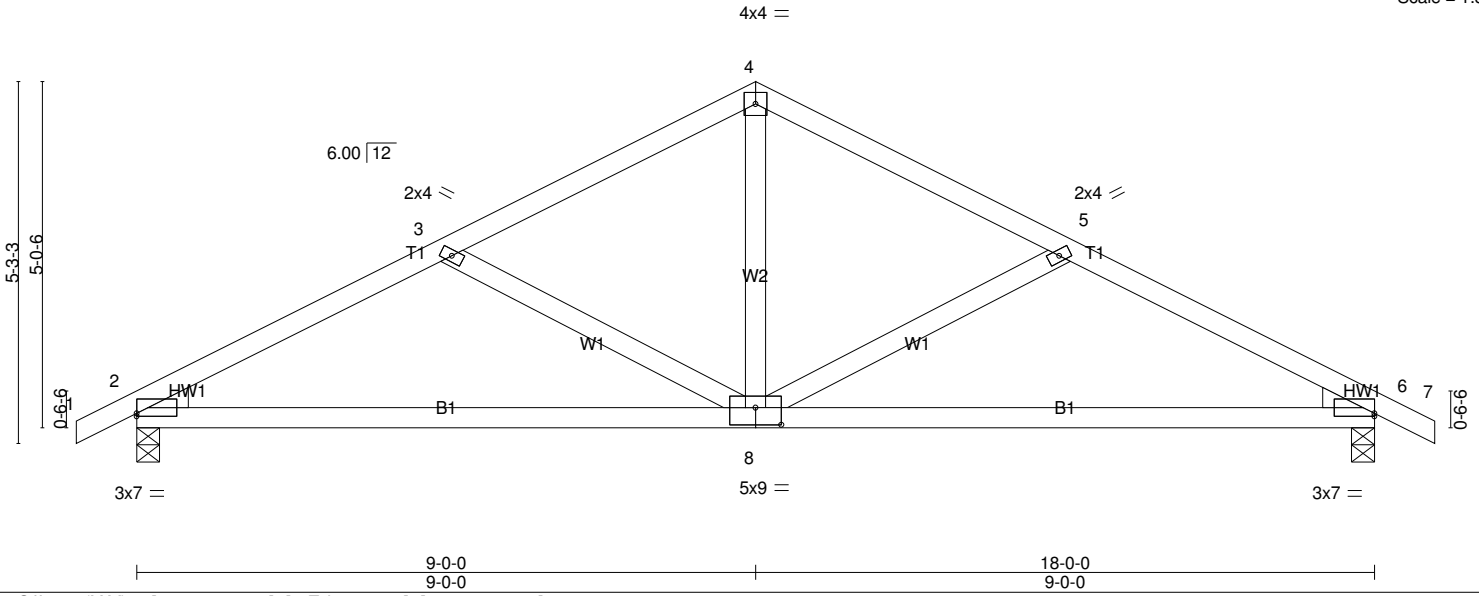


Plate Offsets (X,Y)-- [2:0-0-0,0-0-8], [6:Edge,0-0-8], [8:0-4-8,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.26	Vert(LL)	-0.10 8-14	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.63	Vert(CT)	-0.21 8-11	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.20	Horz(CT)	0.03 6	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 64 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 WEDGE
 Left: 2x4 SPF Stud , Right: 2x4 SPF Stud

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-4-10 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=772/0-4-0 (min. 0-1-8), 6=773/0-4-0 (min. 0-1-8)
 Max Horz 2=-65(LC 19)
 Max Uplift 2=-147(LC 14), 6=-147(LC 15)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/39, 2-15=-1158/247, 3-15=-1102/261, 3-16=-870/180, 4-16=-806/192, 4-17=-806/192, 5-17=-870/181,
 5-18=-1102/261, 6-18=-1158/247, 6-7=0/39
 BOT CHORD 2-8=-218/986, 6-8=-175/986
 WEBS 4-8=-31/503, 5-8=-337/196, 3-8=-337/196

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 12-0-0 to 18-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 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 147 lb uplift at joint 2 and 147 lb uplift at joint 6.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	GCP	Piggyback	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

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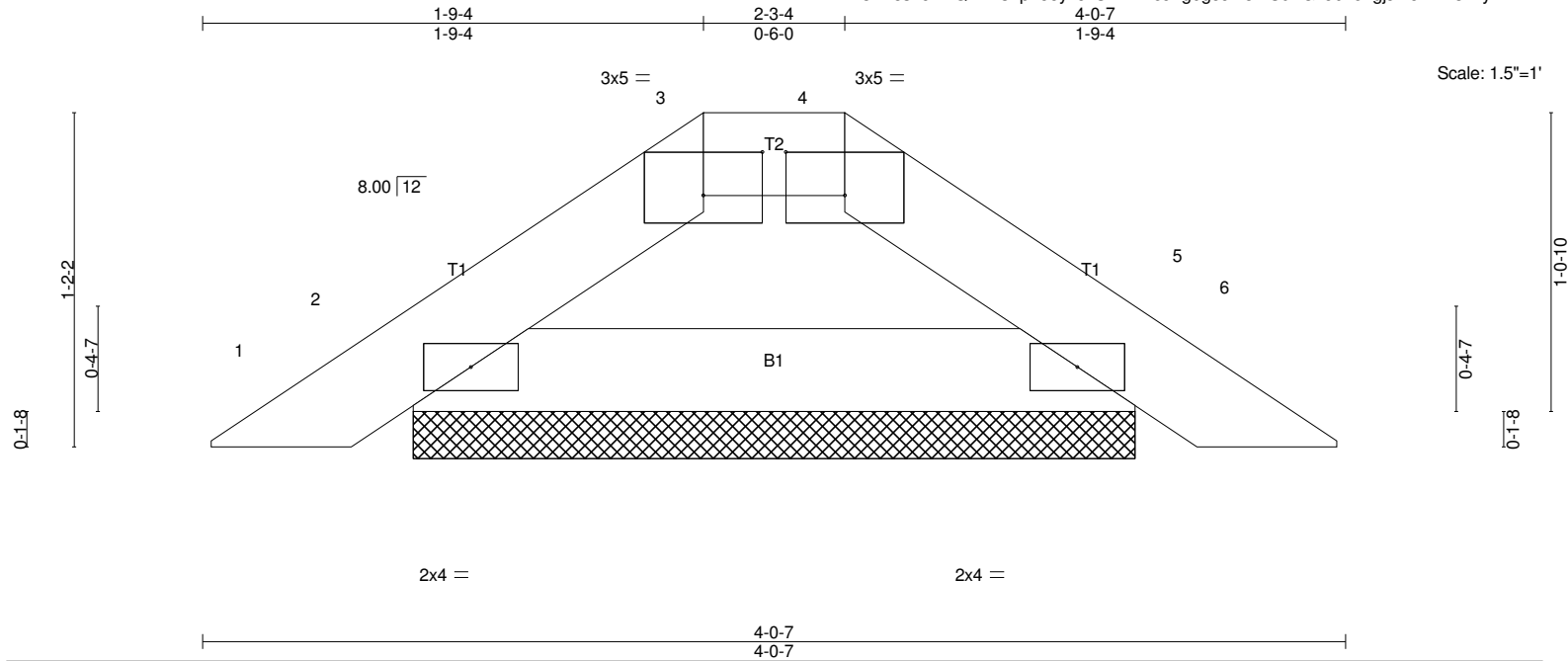


Plate Offsets (X,Y)-- [3:0-2-8,0-1-13], [4:0-2-8,0-1-13]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.02	Vert(LL)	0.00	5	n/r	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.05	Vert(CT)	0.00	5	n/r		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00	5	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-R					Weight: 8 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-7 oc purlins, except 2-0-0 oc purlins: 3-4.
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=130/2-6-9 (min. 0-1-8), 5=130/2-6-9 (min. 0-1-8)
Max Horz 2=-20(LC 10)
Max Uplift 2=-25(LC 12), 5=-25(LC 13)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/23, 2-3=-91/44, 3-4=-72/45, 4-5=-91/44, 5-6=0/23
BOT CHORD 2-5=-9/63

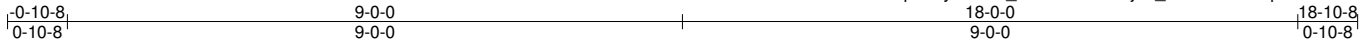
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 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 25 lb uplift at joint 2 and 25 lb uplift at joint 5.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
 - 11) Graphical 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	Fejerang - Charleston F
QUOTE FILE	GGE	Common Supported Gable	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:39 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-J_wSsfalnZDA5sjYlt_VUI8BXO0s2pRLGMRdcOymHHA



Scale = 1:33.7

Plate Offsets (X,Y)-- [2:0-0-0,0-1-0], [2:0-1-8,0-5-3], [10:Edge,0-1-0], [10:0-1-8,0-5-3]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	0.00	n/r	120	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.05	Vert(CT)	0.00	n/r	90		
TCDL 10.0	Lumber DOL 1.15	WB 0.06	Horz(CT)	0.00	10	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-S						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 69 lb	FT = 20%

LUMBER-

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

Left: 2x4 SPF Stud , Right: 2x4 SPF Stud

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=168/18-0-0 (min. 0-2-7), 15=134/18-0-0 (min. 0-2-7), 16=173/18-0-0 (min. 0-2-7), 17=133/18-0-0 (min. 0-2-7), 19=232/18-0-0 (min. 0-2-7), 14=173/18-0-0 (min. 0-2-7), 13=133/18-0-0 (min. 0-2-7), 12=232/18-0-0 (min. 0-2-7), 10=168/18-0-0 (min. 0-2-7)
Max Horz 2=-65(LC 15)
Max Uplift 2=-19(LC 15), 16=-62(LC 14), 17=-47(LC 14), 19=-92(LC 14), 14=-61(LC 15), 13=-47(LC 15), 12=-90(LC 15), 10=-18(LC 15)
Max Grav 2=168(LC 1), 15=134(LC 1), 16=215(LC 21), 17=136(LC 21), 19=232(LC 24), 14=215(LC 22), 13=136(LC 22), 12=232(LC 1), 10=168(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/21, 2-20=-82/35, 3-20=-66/58, 3-4=-58/68, 4-21=-53/103, 5-21=-44/107, 5-6=-79/156, 6-7=-79/157, 7-22=-44/108, 8-22=-53/104, 8-9=-47/69, 9-23=-39/39, 10-23=-61/13, 10-11=0/21
BOT CHORD 2-19=-27/79, 18-19=-27/79, 17-18=-27/79, 16-17=-27/79, 15-16=-27/79, 14-15=-27/79, 13-14=-27/79, 12-13=-27/79, 10-12=-27/79
WEBS 6-15=-95/0, 5-16=-173/141, 4-17=-106/81, 3-19=-166/149, 7-14=-173/141, 8-13=-106/81, 9-12=-166/149

NOTES-

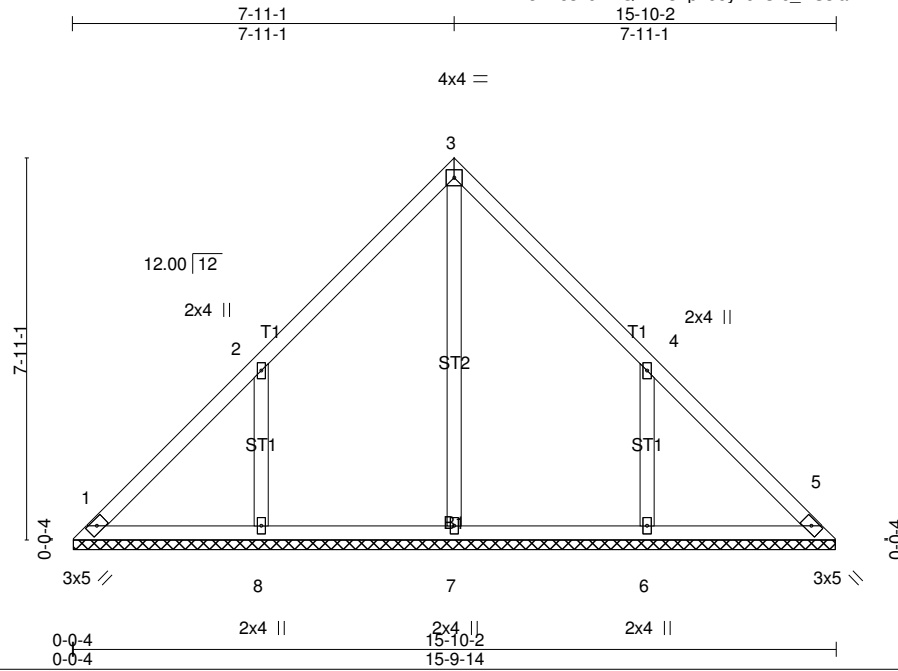
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 9-0-0, Corner(3) 9-0-0 to 12-0-0, Exterior(2) 12-0-0 to 18-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 18.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 8) Gable studs spaced at 2-0-0 oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 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.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 2, 62 lb uplift at joint 16, 47 lb uplift at joint 17, 92 lb uplift at joint 19, 61 lb uplift at joint 14, 47 lb uplift at joint 13, 90 lb uplift at joint 12 and 18 lb uplift at joint 10.
- 12) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	GV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:39 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-J_wSsfalnzDA5sjYlt_VUI8AyO_D2nxLGMRdcOymHHA



Scale: 1/4"=1'

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.18	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.16	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.15	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 5 n/a n/a		
	Code IBC2015/TPI2014			Weight: 58 lb	FT = 20%

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

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=149/15-9-10 (min. 0-2-4), 5=149/15-9-10 (min. 0-2-4), 7=207/15-9-10 (min. 0-2-4), 8=354/15-9-10 (min. 0-2-4), 6=354/15-9-10 (min. 0-2-4)
Max Horz 1=146(LC 11)
Max Uplift 1=-18(LC 8), 8=-265(LC 12), 6=-264(LC 13)
Max Grav 1=164(LC 20), 5=149(LC 1), 7=341(LC 22), 8=503(LC 19), 6=502(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-9=-166/108, 2-9=-147/139, 2-10=-183/125, 3-10=-139/146, 3-11=-139/135, 4-11=-170/113, 4-12=-125/105, 5-12=-145/74
BOT CHORD 1-8=-92/152, 7-8=-92/152, 6-7=-92/152, 5-6=-92/152
WEBS 3-7=-131/6, 2-8=-373/305, 4-6=-373/305

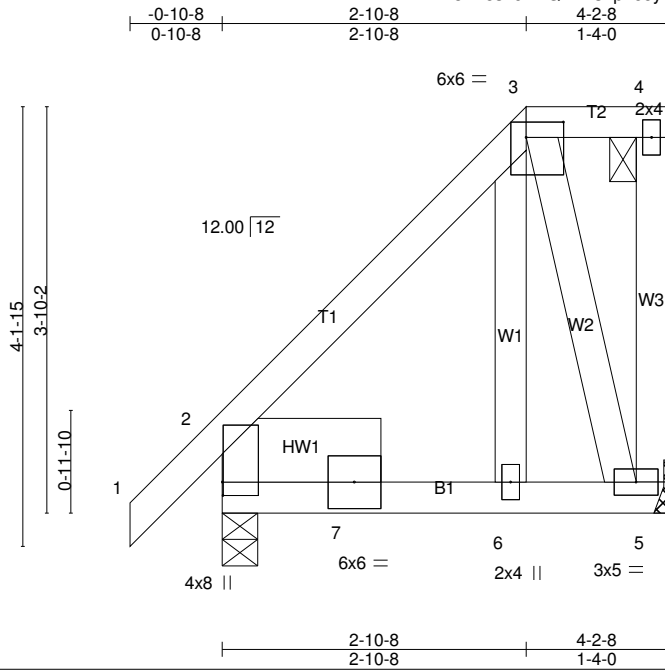
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 7-11-1, Exterior(2) 7-11-1 to 10-11-1, Interior(1) 10-11-1 to 15-5-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1, 265 lb uplift at joint 8 and 264 lb uplift at joint 6.
 - 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	HA	Half Hip	2	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:40 2021 Page 1
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Scale = 1:21.8

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.20	Vert(LL)	0.01 6-10	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.14	Vert(CT)	-0.01 6-10	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.06	Horz(CT)	0.00 2	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP					Weight: 29 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 SLIDER Left 2x8 SP No.1 -δ 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-2-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
 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) 5=157/Mechanical, 2=221/0-4-0 (min. 0-1-8)
 Max Horz 2=116(LC 11)
 Max Uplift 5=-70(LC 9), 2=-30(LC 12)
 Max Grav 5=163(LC 20), 2=221(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/62, 2-12=-145/63, 3-12=-98/68, 3-4=-67/71, 4-5=-36/29
 BOT CHORD 2-7=-288/301, 6-7=-67/95, 5-6=-65/90
 WEBS 3-6=-51/122, 3-5=-210/145

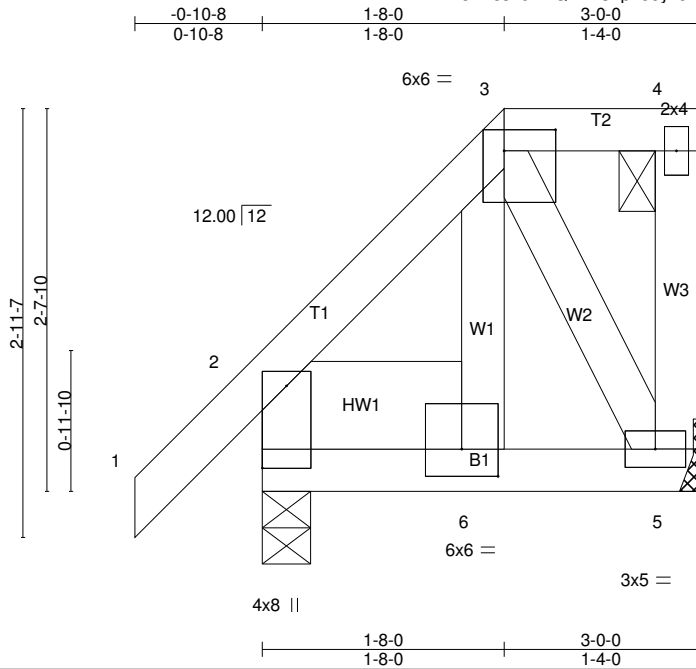
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 2-10-8, Exterior(2) 2-10-8 to 4-0-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 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) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 70 lb uplift at joint 5 and 30 lb uplift at joint 2.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	HB	Half Hip	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:40 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-nAUq3?awXHL1j0lJaV0k0WhMBoMRnGDUV0AA8qymHH9



Scale: 3/4"=1'

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	-0.00	6	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.03	Vert(CT)	-0.00	6	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.02	Horz(CT)	0.00	2	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP					Weight: 21 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

LUMBER-

TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 SLIDER Left 2x8 SP No.1 -δ 1-4-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
 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) 2=175/0-4-0 (min. 0-1-8), 5=106/Mechanical
 Max Horz 2=81(LC 11)
 Max Uplift 2=-28(LC 12), 5=-47(LC 9)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/62, 2-3=-90/50, 3-4=-44/47, 4-5=-36/29
 BOT CHORD 2-6=-128/131, 5-6=-48/65
 WEBS 3-6=-19/58, 3-5=-109/79

NOTES-

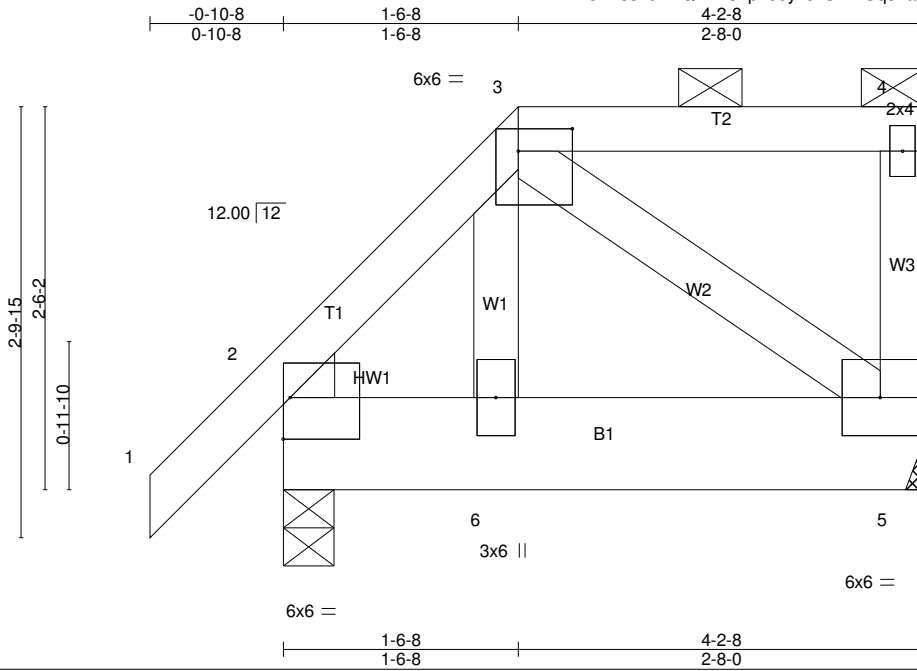
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 2 and 47 lb uplift at joint 5.
- 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	HC	Half Hip Girder	2	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:40 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-nAUq3?awXHL1j0lJaVk0WhMhoMynG9UV0AA8qymHH9



Scale = 1:15.1

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15	TC 0.12	Vert(LL)	-0.00	6	>999	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.02	Vert(CT)	-0.00	6	>999		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.03	Horz(CT)	0.00	2	n/a		
BCDL 10.0	Code IBC2015/TPI2014	Matrix-MP					Weight: 27 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x8 SP No.1
WEBS 2x4 SPF Stud
WEDGE
Left: 2x4 SPF Stud

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
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=229/0-4-0 (min. 0-1-8), 5=167/Mechanical
Max Horz 2=72(LC 11)
Max Uplift 2=-59(LC 12), 5=-71(LC 9)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-142/71, 3-10=-39/41, 4-10=-39/41, 4-5=-79/63
BOT CHORD 2-6=-73/108, 6-11=-73/104, 5-11=-73/104
WEBS 3-6=0/65, 3-5=-117/80

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 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) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 2 and 71 lb uplift at joint 5.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 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) 106 lb down and 88 lb up at 2-3-4 on top chord, and 24 lb down and 17 lb up at 2-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 12) 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 + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 5-7=-20

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	HC	Half Hip Girder	2	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

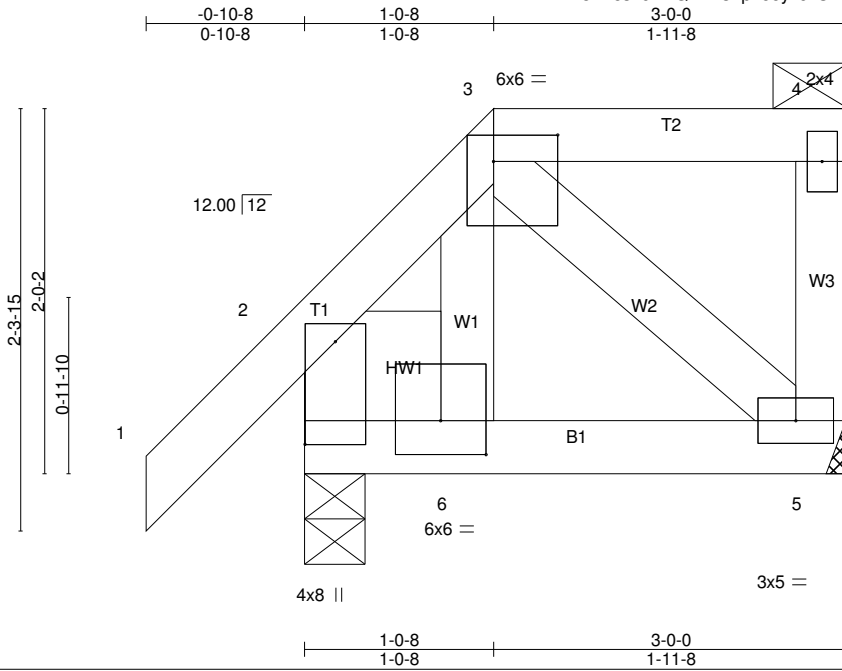
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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 10=-6(F) 11=-13(F)

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	HD	Half Hip	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:41 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-FM2DHLbYIbUuKAxtl0zJDX?ChfWjYeigwjhGymHH8



Scale = 1:12.7

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	-0.00	6	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.03	Vert(CT)	-0.00	6	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.02	Horz(CT)	0.00	2	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP					Weight: 17 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

LUMBER-

TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 SLIDER Left 2x8 SP No.1 -δ 0-9-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
 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) 2=175/0-4-0 (min. 0-1-8), 5=106/Mechanical
 Max Horz 2=62(LC 11)
 Max Uplift 2=-30(LC 12), 5=-38(LC 9)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/62, 2-3=-85/48, 3-4=-32/34, 4-5=-54/44
 BOT CHORD 2-6=-77/65, 5-6=-49/68
 WEBS 3-6=0/48, 3-5=-78/55

NOTES-

- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TC DL=4.2psf; BC DL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 2 and 38 lb uplift at joint 5.
- 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	HD1	Half Hip	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:41 2021 Page 1
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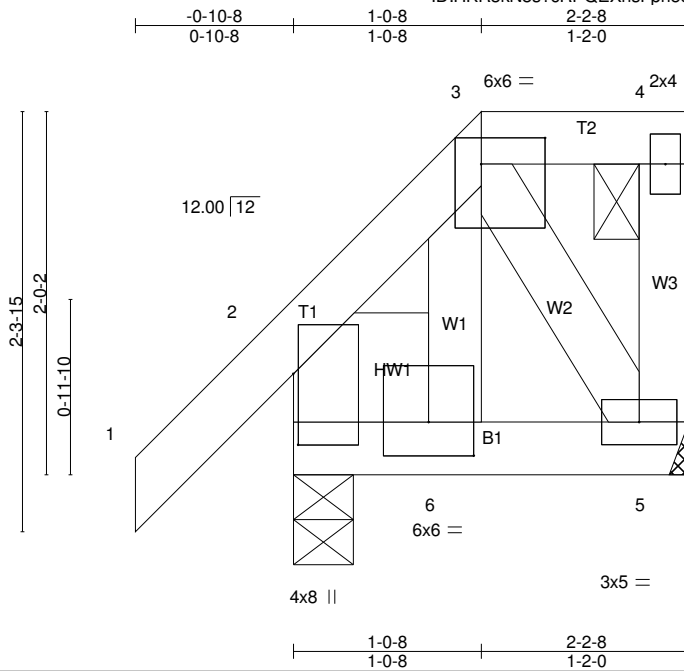


Plate Offsets (X,Y)-- [2:0-4-12,0-0-5], [3:0-4-4,0-1-12], [6:0-3-0,0-2-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	-0.00	6	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.01	Vert(CT)	-0.00	6	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.02	Horz(CT)	0.00	2	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP					Weight: 15 lb	FT = 20%
BCDL 10.0	Code IBC2015/TPI2014							

LUMBER-

TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF Stud
 SLIDER Left 2x8 SP No.1 - ð 0-9-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-2-8 oc purlins, except end verticals, and 2-0-0 oc purlins: 3-4.
 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) 2=146/0-4-0 (min. 0-1-8), 5=71/Mechanical
 Max Horz 2=62(LC 11)
 Max Uplift 2=-25(LC 12), 5=-35(LC 9)
 Max Grav 2=147(LC 18), 5=71(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/62, 2-3=-60/40, 3-4=-32/34, 4-5=-31/25
 BOT CHORD 2-6=-71/66, 5-6=-37/46
 WEBS 3-6=-13/34, 3-5=-68/54

NOTES-

- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 2 and 35 lb uplift at joint 5.
- 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

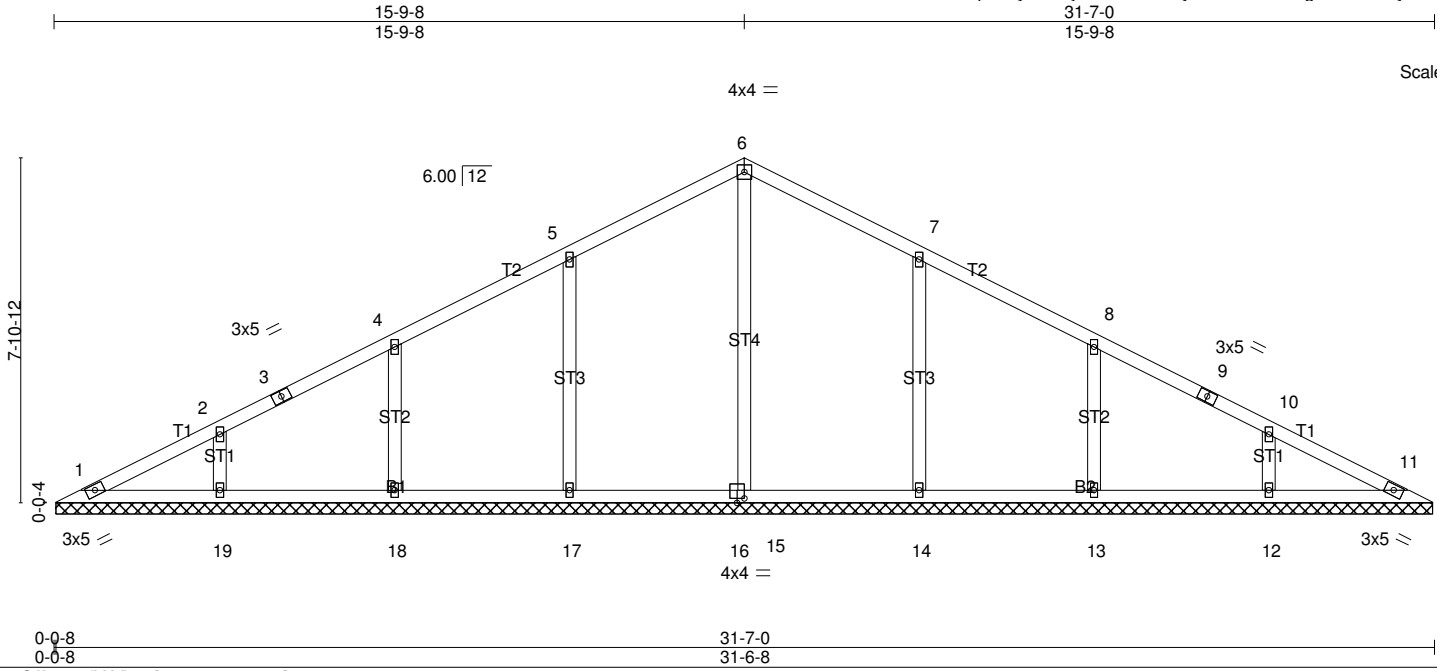


Plate Offsets (X,Y)-- [16:0-2-0,0-1-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15	TC 0.22	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Lumber DOL 1.15	BC 0.15	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.24	Vert(CT) n/a - n/a 999		
BCDL 10.0	Code IBC2015/TPI2014	Matrix-S	Horz(CT) 0.01 11 n/a n/a		
				Weight: 106 lb	FT = 20%

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

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=106/31-6-0 (min. 0-4-3), 15=273/31-6-0 (min. 0-4-3), 17=334/31-6-0 (min. 0-4-3), 18=317/31-6-0 (min. 0-4-3), 19=319/31-6-0 (min. 0-4-3), 14=334/31-6-0 (min. 0-4-3), 13=317/31-6-0 (min. 0-4-3), 12=319/31-6-0 (min. 0-4-3), 11=106/31-6-0 (min. 0-4-3)
 Max Horz 1=99(LC 18)
 Max Uplift1=9(LC 15), 17=-125(LC 14), 18=-112(LC 14), 19=-115(LC 14), 14=-125(LC 15), 13=-112(LC 15), 12=-115(LC 15)
 Max Grav 1=111(LC 25), 15=369(LC 26), 17=483(LC 3), 18=357(LC 23), 19=322(LC 20), 14=483(LC 4), 13=357(LC 24), 12=322(LC 21), 11=106(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-140/69, 2-3=-108/62, 3-4=-64/71, 4-20=-97/129, 5-20=-43/130, 5-21=-129/176, 6-21=-110/189, 6-22=-110/178, 7-22=-129/164, 7-23=-43/101, 8-23=-79/99, 8-9=-33/30, 9-10=-82/20, 10-11=-99/47
 BOT CHORD 1-19=-39/109, 18-19=-39/109, 18-24=-39/109, 17-24=-39/109, 16-17=-39/109, 15-16=-39/109, 14-15=-39/109, 14-25=-39/109, 13-25=-39/109, 12-13=-39/109, 11-12=-39/109
 WEBS 6-15=-200/0, 5-17=-339/173, 4-18=-238/161, 2-19=-239/158, 7-14=-339/173, 8-13=-238/161, 10-12=-239/158

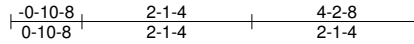
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-9 to 3-9-8, Interior(1) 3-9-8 to 15-9-8, Exterior(2) 15-9-8 to 18-11-5, Interior(1) 18-11-5 to 30-11-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 1, 125 lb uplift at joint 17, 112 lb uplift at joint 18, 115 lb uplift at joint 19, 125 lb uplift at joint 14, 112 lb uplift at joint 13 and 115 lb uplift at joint 12.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

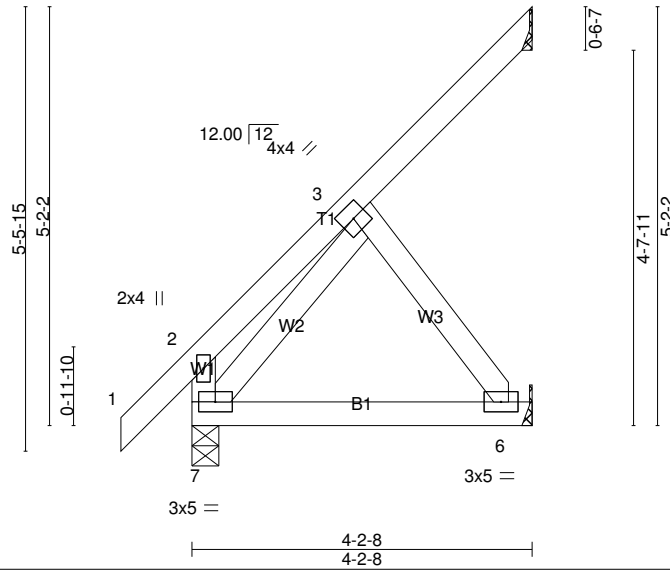
Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	JA	Jack-Partial	14	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:42 2021 Page 1
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Scale = 1:28.5



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.11	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.17	Vert(LL) -0.02 6-7 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.05	Vert(CT) -0.03 6-7 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) -0.00 4 n/a n/a		
	Code IBC2015/TPI2014			Weight: 21 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 4=58/Mechanical, 5=94/Mechanical, 7=229/0-4-0 (min. 0-1-8)
Max Horz 7=182(LC 12)
Max Uplift 4=63(LC 12), 5=82(LC 12)
Max Grav 4=75(LC 20), 5=131(LC 20), 7=229(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-7=-160/165, 1-2=0/72, 2-3=-109/131, 3-4=-61/56
BOT CHORD 6-7=-98/102, 5-6=0/0
WEBS 3-7=-208/134, 3-6=-167/160

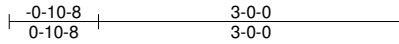
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 1-11-5, Interior(1) 1-11-5 to 4-1-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 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) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 4 and 82 lb uplift at joint 5.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

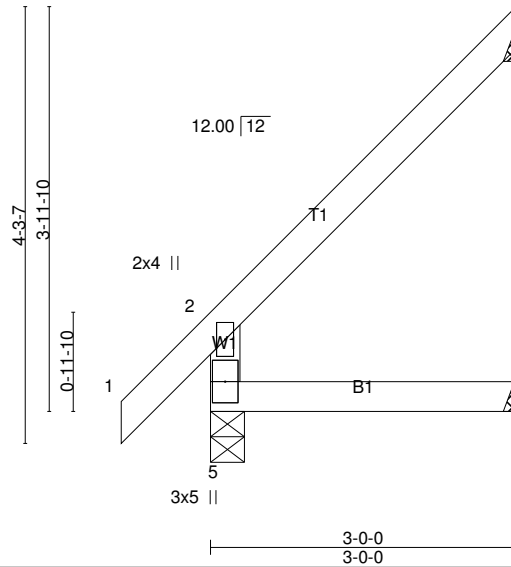
Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	JB	Jack-Open	12	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

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Scale = 1:22.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.22	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.14	Vert(LL) 0.01 4-5 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.01 4-5 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR	Horz(CT) -0.02 3 n/a n/a		
	Code IBC2015/TPI2014			Weight: 11 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-0 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) 5=184/0-4-0 (min. 0-1-8), 3=71/Mechanical, 4=30/Mechanical
Max Horz 5=135(LC 12)
Max Uplift 3=98(LC 12), 4=-12(LC 12)
Max Grav 5=184(LC 1), 3=102(LC 20), 4=53(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-158/34, 1-2=0/72, 2-6=-91/69, 3-6=-81/85
BOT CHORD 4-5=0/0

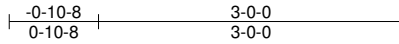
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 2-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 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) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 3 and 12 lb uplift at joint 4.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

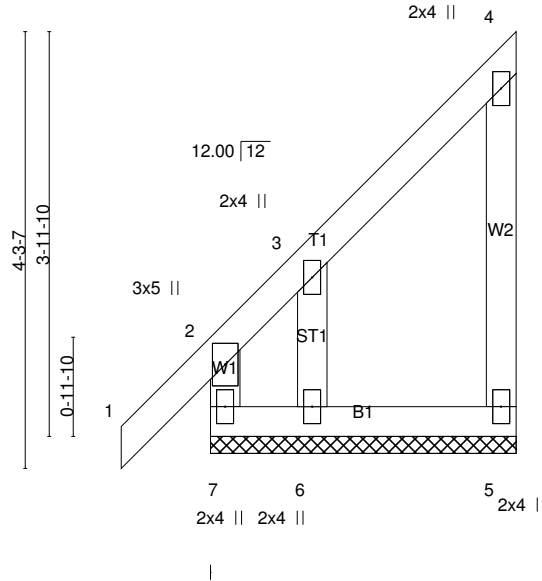
Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	JC	Jack-Open Supported Gable	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:43 2021 Page 1
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Scale = 1:22.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.19	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.08	Vert(LL) 0.00 1 n/r 120		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.06	Vert(CT) 0.00 2 n/r 90		
BCDL 10.0	Rep Stress Incr YES	Matrix-R	Horz(CT) 0.00 5 n/a n/a		
	Code IBC2015/TPI2014			Weight: 16 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-0 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) 7=113/3-0-0 (min. 0-1-8), 5=65/3-0-0 (min. 0-1-8), 6=99/3-0-0 (min. 0-1-8)
Max Horz 7=115(LC 9)
Max Uplift 7=57(LC 10), 5=-29(LC 9), 6=-163(LC 12)
Max Grav 7=174(LC 18), 5=77(LC 20), 6=187(LC 10)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-7=-161/122, 1-2=0/72, 2-3=-221/217, 3-4=-86/89, 4-5=-98/74
BOT CHORD 6-7=-63/81, 5-6=-63/81
WEBS 3-6=-215/201

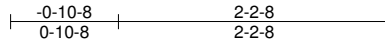
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Corner(3) -0-10-8 to 2-1-8, Exterior(2) 2-1-8 to 2-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 7) Gable studs spaced at 2-0-0 oc.
 - 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 57 lb uplift at joint 7, 29 lb uplift at joint 5 and 163 lb uplift at joint 6.
 - 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

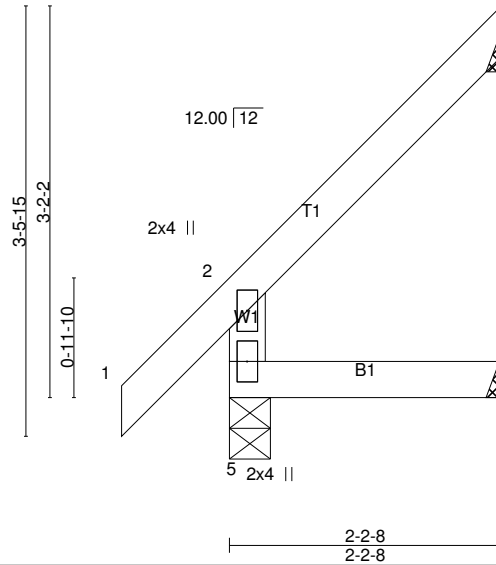
Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	JD	Jack-Open	4	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:43 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-BI9zi0dpqCkcaT1J_j2Re8IsT0MG_dKxB_PqI9ymHH6



Scale = 1:18.7



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.15	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(LL) -0.00 4-5 >999 240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.00	Vert(CT) -0.00 4-5 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR	Horz(CT) -0.01 3 n/a n/a		
	Code IBC2015/TPI2014			Weight: 8 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

REACTIONS. (lb/size) 5=157/0-4-0 (min. 0-1-8), 3=46/Mechanical, 4=18/Mechanical
Max Horz 5=104(LC 12)
Max Uplift 3=-73(LC 12), 4=-13(LC 12)
Max Grav 5=168(LC 18), 3=71(LC 20), 4=37(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-139/33, 1-2=0/72, 2-3=-69/64
BOT CHORD 4-5=0/0

NOTES-

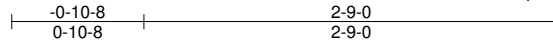
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
- 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) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 73 lb uplift at joint 3 and 13 lb uplift at joint 4.
- 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	JE	Jack-Open	2	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:43 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-BI9zi0dpqCkcaT1J_j2Re8ItU0MZ_dKxB_PqI9ymHH6



Scale = 1:15.3

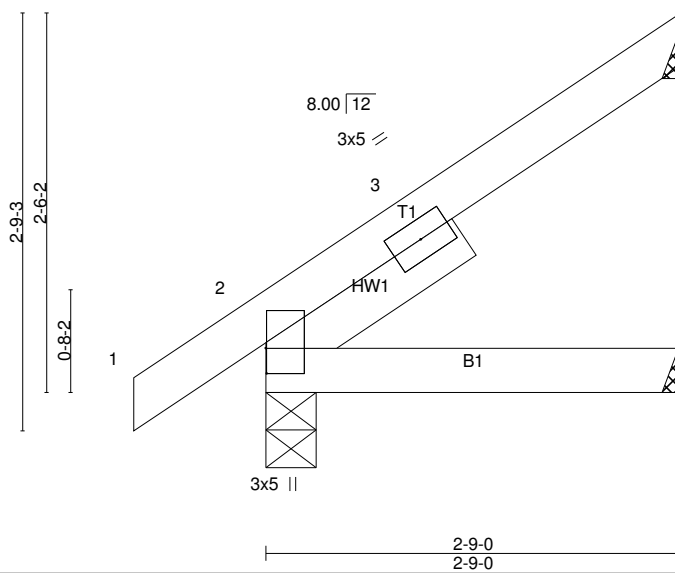


Plate Offsets (X,Y)-- [2:0-2-0,0-0-1]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.08	Vert(LL)	-0.00	8	>999	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.07	Vert(CT)	-0.01	5-8	>999		
TCDL 10.0	Lumber DOL 1.15	WB 0.00	Horz(CT)	0.00	4	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MP						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 10 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x4 SPF No.2
 SLIDER Left 2x4 SPF Stud -Ø 1-6-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-9-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=66/Mechanical, 2=169/0-4-0 (min. 0-1-8), 5=33/Mechanical
 Max Horz 2=85(LC 12)
 Max Uplift 4=54(LC 12), 2=-10(LC 12), 5=-2(LC 12)
 Max Grav 4=81(LC 20), 2=169(LC 1), 5=48(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-62/15, 3-10=-38/34, 4-10=-35/46
 BOT CHORD 2-5=0/0

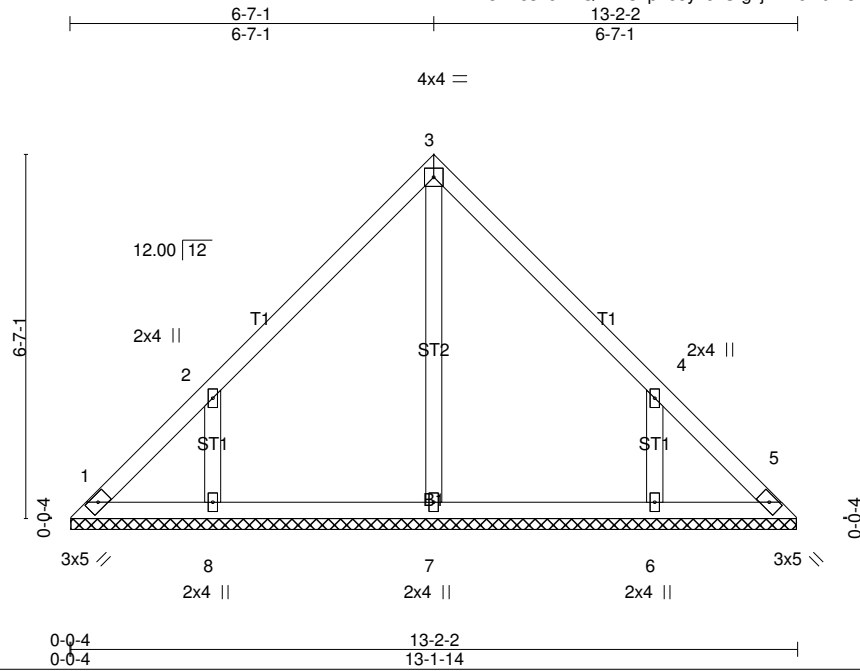
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 2-1-8, Interior(1) 2-1-8 to 2-8-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 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) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 4, 10 lb uplift at joint 2 and 2 lb uplift at joint 5.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	JV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:44 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-gxjLvMeRbWsTBdcWYQagBMr1CPhlj3t4Qe8NHbymHH5



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.15	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.13	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.11	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 5 n/a n/a		
	Code IBC2015/TPI2014			Weight: 47 lb	FT = 20%

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

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=91/13-1-10 (min. 0-1-12), 5=91/13-1-10 (min. 0-1-12), 7=222/13-1-10 (min. 0-1-12), 8=297/13-1-10 (min. 0-1-12), 6=297/13-1-10 (min. 0-1-12)
Max Horz 1=121(LC 11)
Max Uplift 1=-34(LC 10), 5=-14(LC 11), 8=-227(LC 12), 6=-227(LC 13)
Max Grav 1=111(LC 20), 5=100(LC 22), 7=324(LC 19), 8=396(LC 19), 6=396(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-153/121, 2-9=-176/100, 3-9=-117/121, 3-10=-117/113, 4-10=-156/91, 4-5=-134/93
BOT CHORD 1-8=-62/115, 8-11=-62/115, 7-11=-62/115, 7-12=-62/115, 6-12=-62/115, 5-6=-62/115
WEBS 3-7=-137/0, 2-8=-326/268, 4-6=-326/268

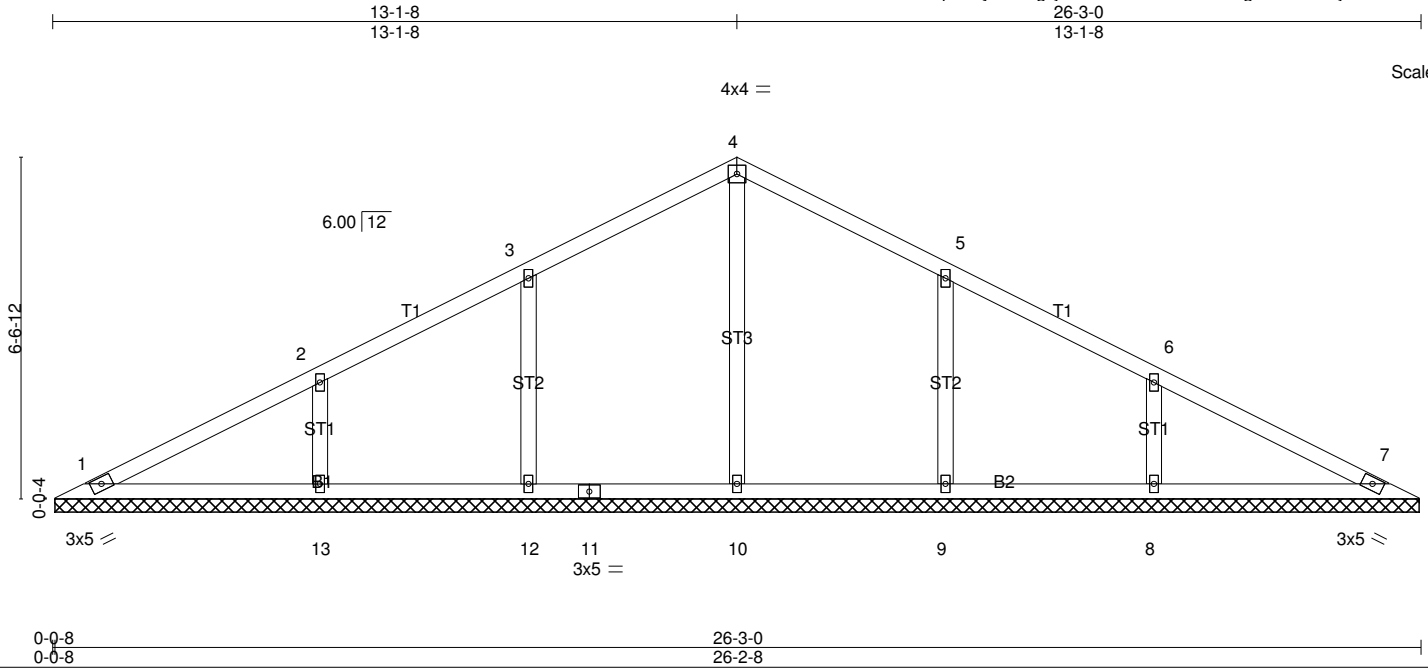
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 6-7-1, Exterior(2) 6-7-1 to 9-7-1, Interior(1) 9-7-1 to 12-9-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 1, 14 lb uplift at joint 5, 227 lb uplift at joint 8 and 227 lb uplift at joint 6.
 - 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	KV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:44 2021 Page 1
ID:HKR3kN8s?cRPQE XnsFpn55ynJxU-gxjLvMeRbWsTBdcWYQagBMr0CPhJj234Qe8NHbymHH5



Scale = 1:44.2

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2015/TPI2014	TC 0.21 BC 0.16 WB 0.16 Matrix-S	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 7 n/a n/a	MT20	197/144
TCDL 10.0				Weight: 82 lb	FT = 20%
BCLL 0.0 *					
BCDL 10.0					

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

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=157/26-2-0 (min. 0-3-4), 7=157/26-2-0 (min. 0-3-4), 10=282/26-2-0 (min. 0-3-4), 12=313/26-2-0 (min. 0-3-4), 13=389/26-2-0 (min. 0-3-4), 9=313/26-2-0 (min. 0-3-4), 8=389/26-2-0 (min. 0-3-4)
Max Horz 1=82(LC 18)
Max Uplift 1=-19(LC 15), 7=-8(LC 15), 12=-118(LC 14), 13=-138(LC 14), 9=-118(LC 15), 8=-138(LC 15)
Max Grav 1=158(LC 20), 7=158(LC 21), 10=395(LC 26), 12=378(LC 3), 13=389(LC 1), 9=378(LC 4), 8=389(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-14=-101/41, 2-14=-85/73, 2-3=-97/97, 3-15=-110/141, 4-15=-90/155, 4-16=-90/144, 5-16=-110/131, 5-6=-85/73, 6-17=-51/50, 7-17=-76/10
BOT CHORD 1-13=-29/88, 12-13=-29/88, 11-12=-29/88, 10-11=-29/88, 9-10=-29/88, 8-9=-29/88, 7-8=-29/88
WEBS 4-10=-198/0, 3-12=-305/166, 2-13=-283/187, 5-9=-305/166, 6-8=-283/187

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 13-1-8, Exterior(2) 13-1-8 to 16-1-8, Interior(1) 16-1-8 to 25-7-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) All plates are 2x4 MT20 unless otherwise indicated.
 - 5) Gable requires continuous bottom chord bearing.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 1, 8 lb uplift at joint 7, 118 lb uplift at joint 12, 138 lb uplift at joint 13, 118 lb uplift at joint 9 and 138 lb uplift at joint 8.
 - 9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	MGA	Monopitch Girder	1	2	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:45 2021 Page 2
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-88Hj6ie3Mp_KpnBi685vjZO9opwCSJ3Deluxq1ymHH4

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-7=-60, 8-13=-20

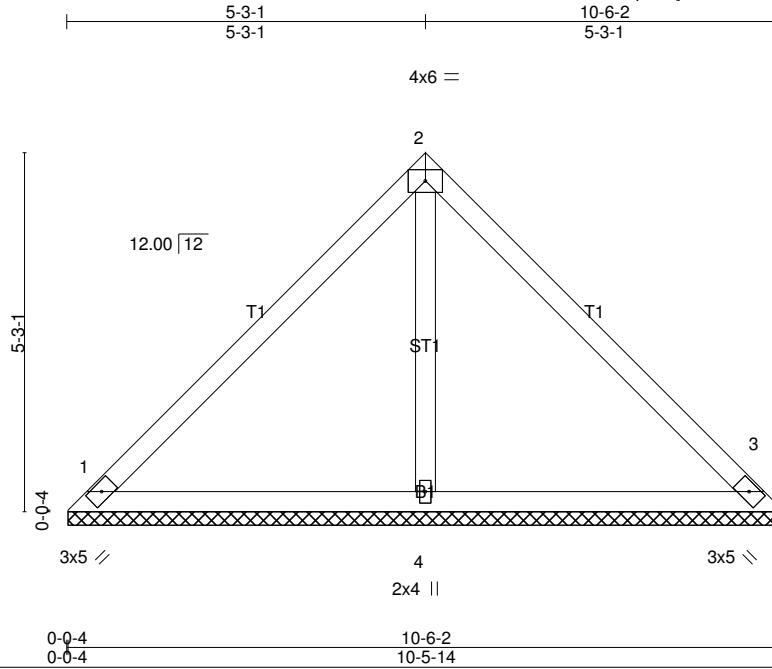
Concentrated Loads (lb)

Vert: 12=-1389(F) 9=-1121(F) 18=-1121(F) 19=-1121(F) 20=-1121(F) 21=-1121(F)

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	MV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:46 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-cKr5K2fh776BRxlugrc8GnwLhDM6ByZNtydUMUymHH3



Scale = 1:33.7

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.21	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.10	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 3 n/a n/a		
	Code IBC2015/TPI2014			Weight: 33 lb	FT = 20%

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

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=223/10-5-10 (min. 0-1-8), 3=223/10-5-10 (min. 0-1-8), 4=338/10-5-10 (min. 0-1-8)
Max Horz 1=-95(LC 8)
Max Uplift 1=-60(LC 13), 3=-60(LC 13), 4=-21(LC 12)
Max Grav 1=223(LC 1), 3=223(LC 1), 4=340(LC 19)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-5=-199/76, 5-6=-123/78, 2-6=-93/94, 2-7=-84/80, 7-8=-106/64, 3-8=-184/62
BOT CHORD 1-4=-28/76, 3-4=-28/76
WEBS 2-4=-191/66

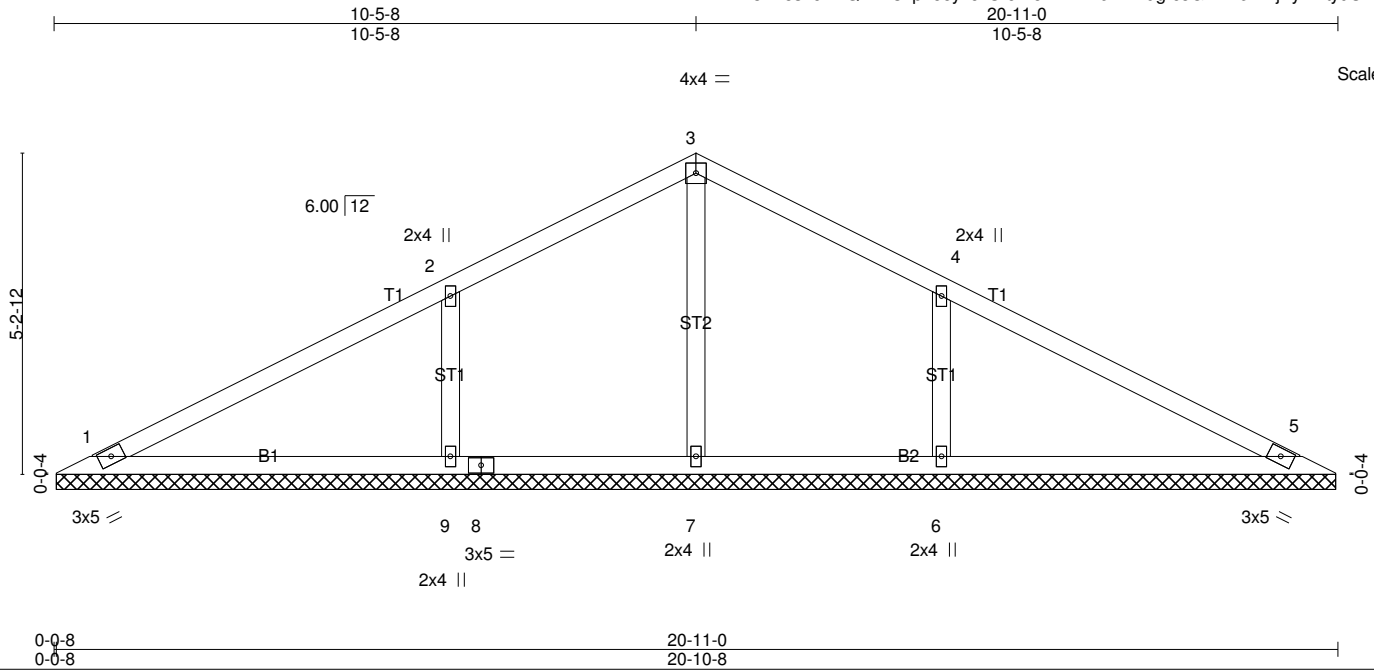
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 5-3-1, Exterior(2) 5-3-1 to 8-3-1, Interior(1) 8-3-1 to 10-1-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 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 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 60 lb uplift at joint 1, 60 lb uplift at joint 3 and 21 lb uplift at joint 4.
 - 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	NV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:46 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-ckr5K2fh776BRxlugrc8GnwK6DMjByRNtydUMUymHH3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2015/TPI2014	TC 0.38 BC 0.23 WB 0.11 Matrix-S	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(CT) n/a - n/a 999 Horz(CT) 0.00 5 n/a n/a	MT20	197/144
TCDL 10.0				Weight: 60 lb	FT = 20%
BCLL 0.0 *					
BCDL 10.0					

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

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=196/20-10-0 (min. 0-2-7), 5=196/20-10-0 (min. 0-2-7), 7=181/20-10-0 (min. 0-2-7), 9=499/20-10-0 (min. 0-2-7), 6=499/20-10-0 (min. 0-2-7)
Max Horz 1=64(LC 14)
Max Uplift 1=26(LC 15), 5=32(LC 15), 9=180(LC 14), 6=180(LC 15)
Max Grav 1=196(LC 1), 5=196(LC 1), 7=282(LC 26), 9=526(LC 20), 6=526(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-10=-89/33, 2-10=-47/89, 2-11=-103/108, 3-11=-86/122, 3-12=-86/117, 4-12=-103/104, 4-13=-20/69, 5-13=-70/6
BOT CHORD 1-9=-25/70, 8-9=-25/70, 8-14=-25/70, 7-14=-25/70, 7-15=-25/70, 6-15=-25/70, 5-6=-25/70
WEBS 3-7=-141/0, 2-9=-390/239, 4-6=-390/239

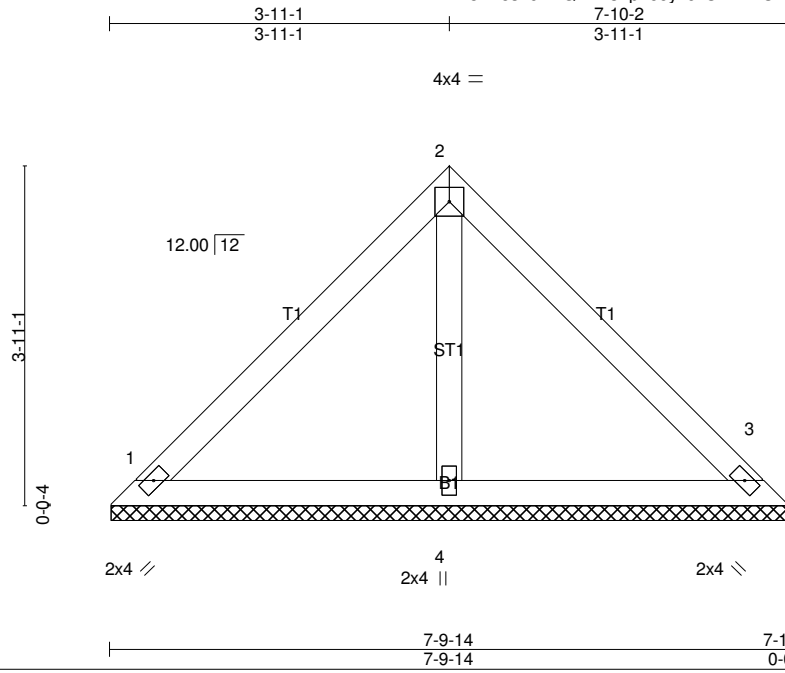
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 10-5-8, Exterior(2) 10-5-8 to 13-5-8, Interior(1) 13-5-8 to 20-3-7 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) Gable requires continuous bottom chord bearing.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 26 lb uplift at joint 1, 32 lb uplift at joint 5, 180 lb uplift at joint 9 and 180 lb uplift at joint 6.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	OV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:47 2021 Page 1
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-4WPUXOgJuRE225K5DY7No_TXHdjrwQgW6cN2uwymHH2



Scale = 1:26.6

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.22	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.11	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.04	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a		
	Code IBC2015/TPI2014			Weight: 24 lb	FT = 20%

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

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=174/7-9-10 (min. 0-1-8), 3=174/7-9-10 (min. 0-1-8), 4=222/7-9-10 (min. 0-1-8)
 Max Horz 1=-69(LC 10)
 Max Uplift1=-57(LC 13), 3=-57(LC 13)
 Max Grav 1=175(LC 20), 3=175(LC 20), 4=223(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-5=-133/51, 5-6=-82/58, 2-6=-49/67, 2-7=-49/57, 7-8=-71/48, 3-8=-121/41
 BOT CHORD 1-4=-24/52, 3-4=-24/52
 WEBS 2-4=-133/47

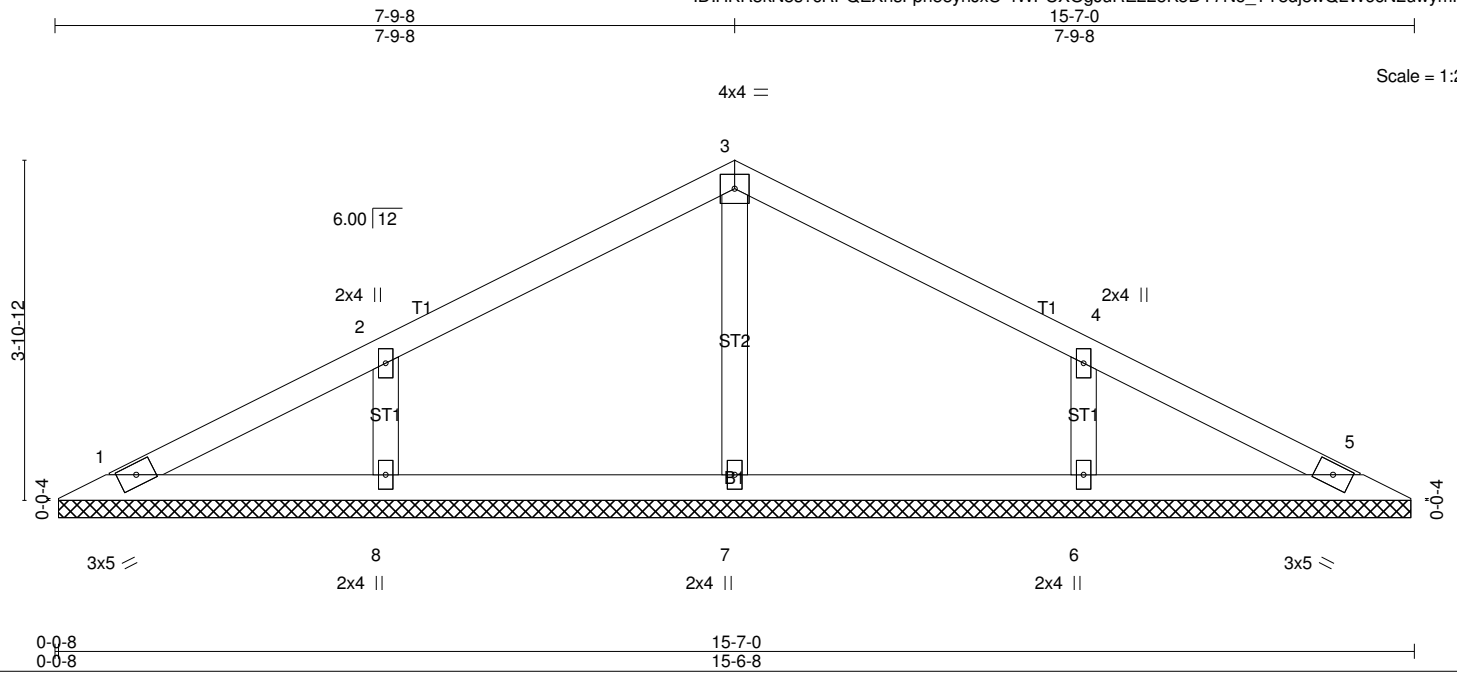
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-4-4 to 3-4-4, Interior(1) 3-4-4 to 3-11-1, Exterior(2) 3-11-1 to 6-11-1, Interior(1) 6-11-1 to 7-5-14 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 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 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 57 lb uplift at joint 1 and 57 lb uplift at joint 3.
 - 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	PV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:47 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-4WPUXOgJuRE225K5DY7No_TY8dj5wQLW6cN2uwymHH2



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.17	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.09	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.06	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 5 n/a n/a		
	Code IBC2015/TPI2014			Weight: 43 lb	FT = 20%

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

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=103/15-6-0 (min. 0-1-13), 5=103/15-6-0 (min. 0-1-13), 7=273/15-6-0 (min. 0-1-13), 8=333/15-6-0 (min. 0-1-13), 6=333/15-6-0 (min. 0-1-13)
Max Horz 1=-47(LC 19)
Max Uplift 1=-15(LC 15), 5=-9(LC 15), 8=-126(LC 14), 6=-126(LC 15)
Max Grav 1=103(LC 1), 5=103(LC 1), 7=273(LC 1), 8=348(LC 20), 6=348(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-67/45, 2-9=-88/73, 9-10=-56/79, 3-10=-53/87, 3-11=-53/86, 11-12=-56/78, 4-12=-88/73, 4-5=-52/31
BOT CHORD 1-8=-9/44, 7-8=-9/44, 6-7=-9/44, 5-6=-9/44
WEBS 3-7=-194/42, 2-8=-266/170, 4-6=-266/170

NOTES-

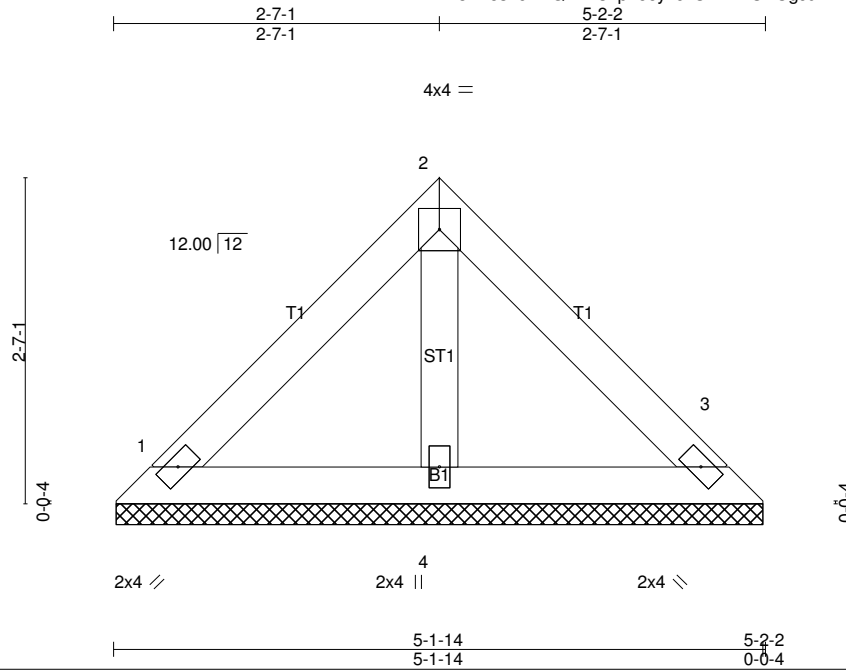
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-9 to 3-9-8, Interior(1) 3-9-8 to 7-9-8, Exterior(2) 7-9-8 to 10-9-8, Interior(1) 10-9-8 to 14-11-7 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 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 15 lb uplift at joint 1, 9 lb uplift at joint 5, 126 lb uplift at joint 8 and 126 lb uplift at joint 6.
- 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	RV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:47 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-4WPUXOgJuRE225K5DY7No_TZTdkwQ1W6cN2uwymHH2



Scale = 1:18.3

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.08	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.04	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.02	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-P	Horz(CT) 0.00 3 n/a n/a		
	Code IBC2015/TPI2014			Weight: 15 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-2 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=109/5-1-10 (min. 0-1-8), 3=109/5-1-10 (min. 0-1-8), 4=139/5-1-10 (min. 0-1-8)
Max Horz 1=-43(LC 8)
Max Uplift1=-36(LC 13), 3=-36(LC 13)
Max Grav 1=110(LC 20), 3=110(LC 20), 4=140(LC 3)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-83/42, 2-3=-76/36
BOT CHORD 1-4=-15/33, 3-4=-15/33
WEBS 2-4=-83/32

NOTES-

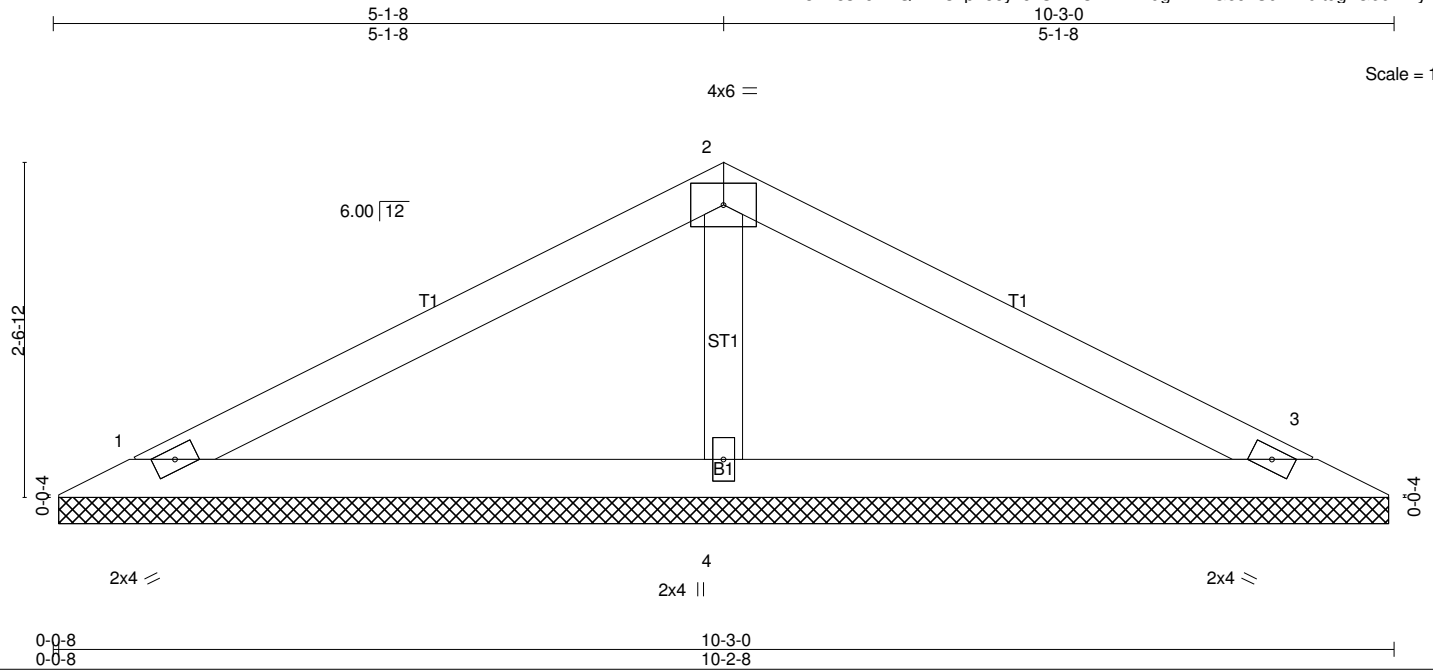
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 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 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 36 lb uplift at joint 1 and 36 lb uplift at joint 3.
- 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	SV	Valley	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:48 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-YizslkhxfkMugFvHnGecLC0ir129ftdgLG6bRMymHH1



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0 (Roof Snow=20.0)	2-0-0	TC 0.23	in (loc) l/defl L/d	MT20	197/144
TCDL 10.0	Plate Grip DOL 1.15	BC 0.17	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.06	Vert(CT) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(CT) 0.00 3 n/a n/a		
	Code IBC2015/TPI2014			Weight: 25 lb	FT = 20%

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

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=165/10-2-0 (min. 0-1-8), 3=165/10-2-0 (min. 0-1-8), 4=389/10-2-0 (min. 0-1-8)
Max Horz 1=-29(LC 19)
Max Uplift 1=-45(LC 14), 3=-50(LC 15), 4=-43(LC 14)
Max Grav 1=167(LC 20), 3=167(LC 21), 4=389(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-5=-94/41, 5-6=-43/43, 6-7=-28/46, 2-8=-23/52, 2-8=-23/52, 8-9=-28/46, 9-10=-38/43, 3-10=-94/41
BOT CHORD 1-4=0/36, 3-4=0/36
WEBS 2-4=-257/130

NOTES-

- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 5-1-8, Exterior(2) 5-1-8 to 8-1-8, Interior(1) 8-1-8 to 9-7-7 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
- 3) Unbalanced snow loads have been considered for this design.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 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 45 lb uplift at joint 1, 50 lb uplift at joint 3 and 43 lb uplift at joint 4.
- 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	TA	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:48 2021 Page 1
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-YizskhxfkMugFvHnGecLCOYi1rPfgGgLG6bRMymHH1

0-10-8	7-0-4	13-9-0	18-9-0	23-9-0	26-11-12	31-0-4	36-7-0	42-1-12	48-0-0	48-10-8
0-10-8	7-0-4	6-8-12	5-0-0	5-0-0	3-2-12	4-0-7	5-6-12	5-6-12	5-10-4	0-10-8

Scale = 1:88.6

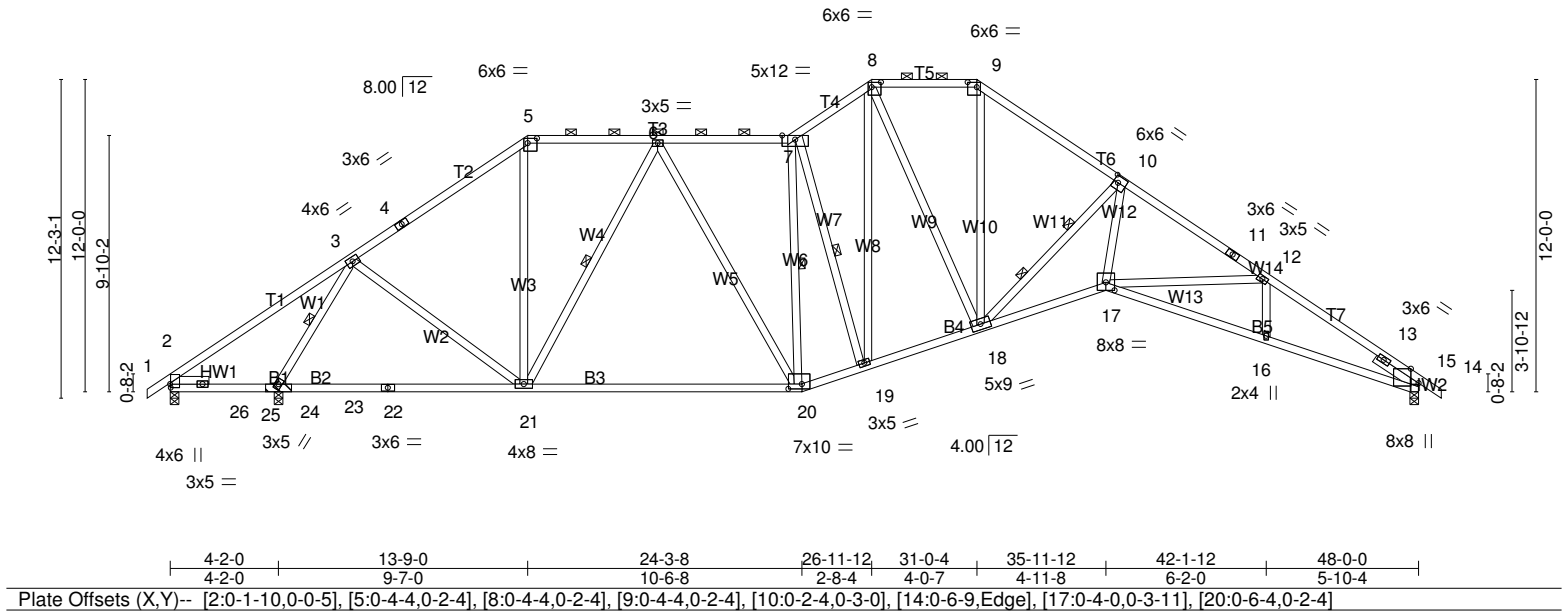


Plate Offsets (X,Y)--	[2:0-1-10,0-0-5], [5:0-4-4,0-2-4], [8:0-4-4,0-2-4], [9:0-4-4,0-2-4], [10:0-2-4,0-3-0], [14:0-6-9,Edge], [17:0-4-0,0-3-11], [20:0-6-4,0-2-4]				
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.88	Vert(LL) -0.54 20-21 >978 240	MT20	197/144
(Roof Snow=20.0)	Lumber DOL 1.15	BC 0.98	Vert(CT) -0.97 20-21 >545 180		
TCDL 10.0	Rep Stress Incr YES	WB 0.85	Horz(CT) 0.42 14 n/a n/a		
BCLL 0.0 *	Code IBC2015/TPI2014	Matrix-MS			
BCDL 10.0				Weight: 272 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* T6,T7: 2x4 SP DSS	TOP CHORD Structural wood sheathing directly applied or 2-1-8 oc purlins, except 2-0-0 oc purlins (4-0-9 max.): 5-7, 8-9.
BOT CHORD 2x4 SPF No.2 *Except* B5,B3: 2x4 SP DSS	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SPF Stud *Except* W12: 2x4 SPF No.2	WEBS 1 Row at midpt 3-24, 6-21, 7-20, 7-19 2 Rows at 1/3 pts 10-18
SLIDER Left 2x4 SPF Stud -Ø 1-6-0, Right 2x4 SPF Stud -Ø 2-0-0	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=521/0-4-0 (min. 0-1-8), 14=1741/0-4-0 (min. 0-2-12), 24=2725/(0-4-0 + bearing block) (req. 0-4-4)
 Max Horz 2=-231(LC 10)
 Max Uplift 2=528(LC 3), 14=-302(LC 13), 24=-394(LC 12)
 Max Grav 2=5(LC 8), 14=1745(LC 21), 24=2725(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-35=-73/1151, 3-35=-45/1279, 3-4=-1561/403, 4-5=-1455/431, 5-6=-1199/409, 6-7=-1901/547, 7-8=-2051/598,
 8-9=-1839/527, 9-36=-2223/574, 10-36=-2329/550, 10-11=-3996/754, 11-12=-4040/735, 12-37=-4121/769,
 13-37=-4252/748, 13-14=-1357/195, 14-15=0/49
 BOT CHORD 2-26=-475/650, 25-26=-1058/223, 24-25=-1058/223, 23-24=-266/629, 22-23=-266/629, 21-22=-266/629, 21-38=-265/1585,
 38-39=-265/1585, 20-39=-265/1585, 19-20=-267/1899, 18-19=-167/1758, 17-18=-503/3927, 16-17=-582/3621,
 14-16=-570/3572
 WEBS 3-24=-2803/492, 3-21=-46/911, 5-21=-87/550, 6-21=-908/233, 6-20=-75/569, 7-20=-912/202, 7-19=-565/268,
 8-19=-260/563, 8-18=-29/445, 9-18=-180/980, 10-18=-2694/485, 10-17=-288/2539, 12-17=-258/221, 12-16=-43/125

- NOTES-**
- 2x4 SPF No.2 bearing block 12" long at jt. 24 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF 1650F 1.5E.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 13-9-0, Exterior(2) 13-9-0 to 18-9-0, Interior(1) 18-9-0 to 26-11-12, Exterior(2) 26-11-12 to 35-9-13, Interior(1) 35-9-13 to 48-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 528 lb uplift at joint 2, 302 lb uplift at joint 14 and 394 lb uplift at joint 24.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	TA	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:48 2021 Page 2
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NOTES-

11) 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	Fejerang - Charleston F
QUOTE FILE	TB	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:49 2021 Page 2
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-0vWEy4haQ2UIIOUTLz9ruPYh2QCIO5BpZws8zpymHH0

NOTES-

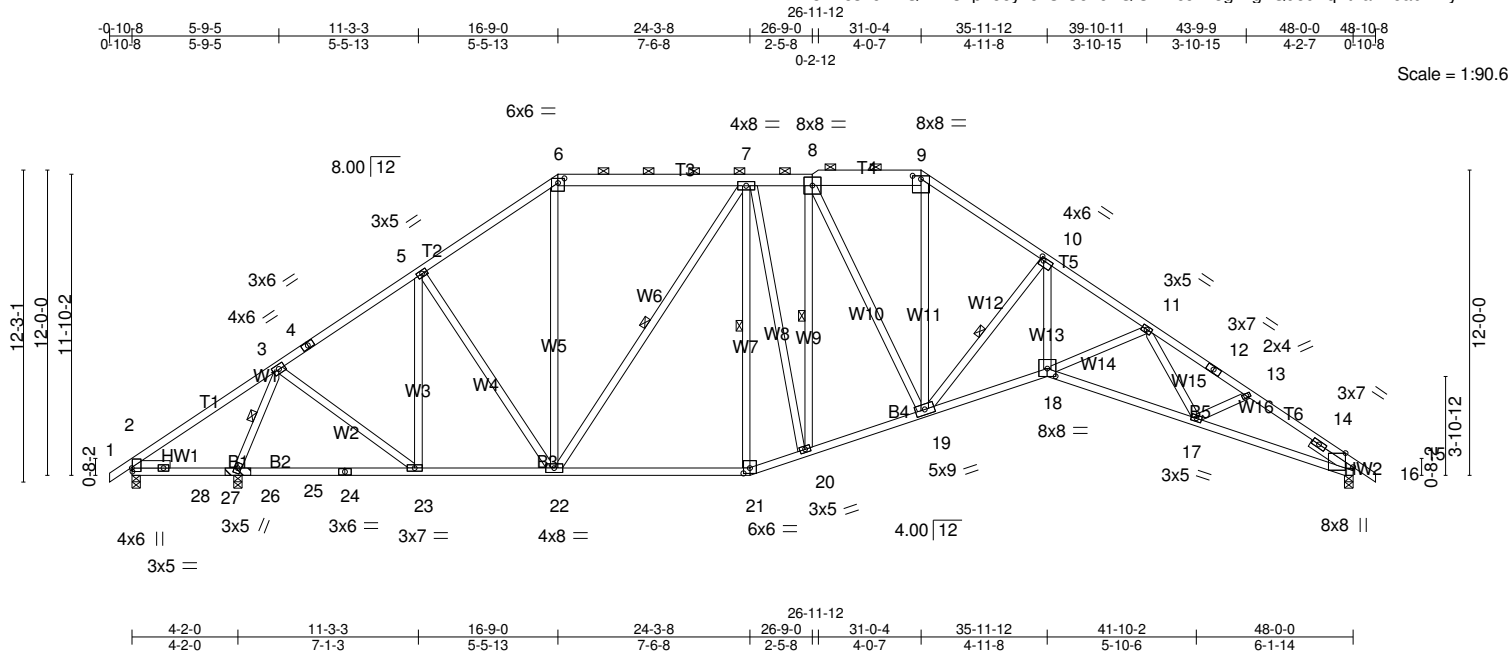
- 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	TC	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:50 2021 Page 1
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Scale = 1:90.6

Plate Offsets (X,Y)-- [2:0-1-10,0-0-5], [6:0-3-0,0-2-3], [9:0-4-0,0-1-9], [10:0-1-8,0-1-8], [15:0-6-9,Edge], [18:0-4-0,0-3-11], [21:0-3-0,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.86	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.86	Vert(LL) -0.31 17-18 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.89	Vert(CT) -0.63 17-18 >832 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.39 15 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 284 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* T3: 2x6 SPF 1650F 1.5E, T4: 2x8 SP No.1, T6: 2x4 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 2-0-11 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD 2x4 SPF No.2 *Except* B5: 2x4 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 4-7-3 oc bracing.
WEBS 2x4 SPF Stud *Except* W13: 2x4 SPF No.2	WEBS 1 Row at midpt 3-26, 7-22, 7-21, 8-20, 10-19
SLIDER Left 2x4 SPF Stud -d 1-6-0, Right 2x4 SPF Stud -d 2-0-0	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=-560/0-4-0 (min. 0-1-8), 15=1736/0-4-0 (min. 0-2-12), 26=2770/(0-4-0 + bearing block) (req. 0-4-6)
 Max Horz2=232(LC 11)
 Max Uplift2=-565(LC 22), 15=-299(LC 13), 26=-329(LC 12)
 Max Grav2=16(LC 9), 15=1736(LC 1), 26=2770(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-37=-109/1194, 3-37=-86/1300, 3-4=-1342/347, 4-5=-1205/370, 5-38=-1528/444, 6-38=-1447/467,
 6-39=-1223/439, 7-39=-1225/438, 7-40=-1639/503, 8-40=-1639/503, 8-9=-1832/505, 9-10=-2293/553, 10-11=-3976/721,
 11-12=-4067/735, 12-13=-4101/723, 13-14=-4125/761, 14-15=-1041/165, 15-16=0/49
 BOT CHORD 2-28=-359/434, 27-28=-1084/227, 26-27=-1084/227, 25-26=-231/194, 24-25=-231/194, 23-24=-231/194, 23-41=-216/1131,
 22-41=-216/1131, 22-42=-182/1546, 21-42=-182/1546, 20-21=-197/1624, 19-20=-177/1752, 18-19=-395/3435,
 17-18=-524/3681, 15-17=-567/3433
 WEBS 3-26=-2678/479, 3-23=-93/1287, 5-23=-692/135, 5-22=-80/361, 6-22=-89/530, 7-22=-659/206, 7-21=-403/123,
 7-20=-12/449, 8-20=-430/43, 8-19=-24/422, 9-19=-182/970, 10-19=-2260/405, 10-18=-286/2464, 11-18=-331/196,
 11-17=-167/110, 13-17=-4/202

- NOTES-**
- 2x4 SPF No.2 bearing block 12" long at jt. 26 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF 1650F 1.5E.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 16-9-0, Exterior(1) 16-9-0 to 21-6-10, Interior(1) 21-6-10 to 31-0-4, Exterior(2) 31-0-4 to 35-11-12, Interior(1) 35-11-12 to 48-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 565 lb uplift at joint 2, 299 lb uplift at joint 15 and 329 lb uplift at joint 26.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	TC	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:50 2021 Page 2
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NOTES-

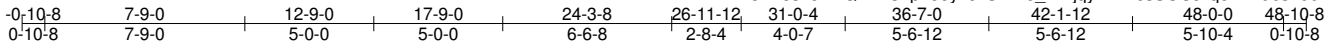
- 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	TD	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:51 2021 Page 1
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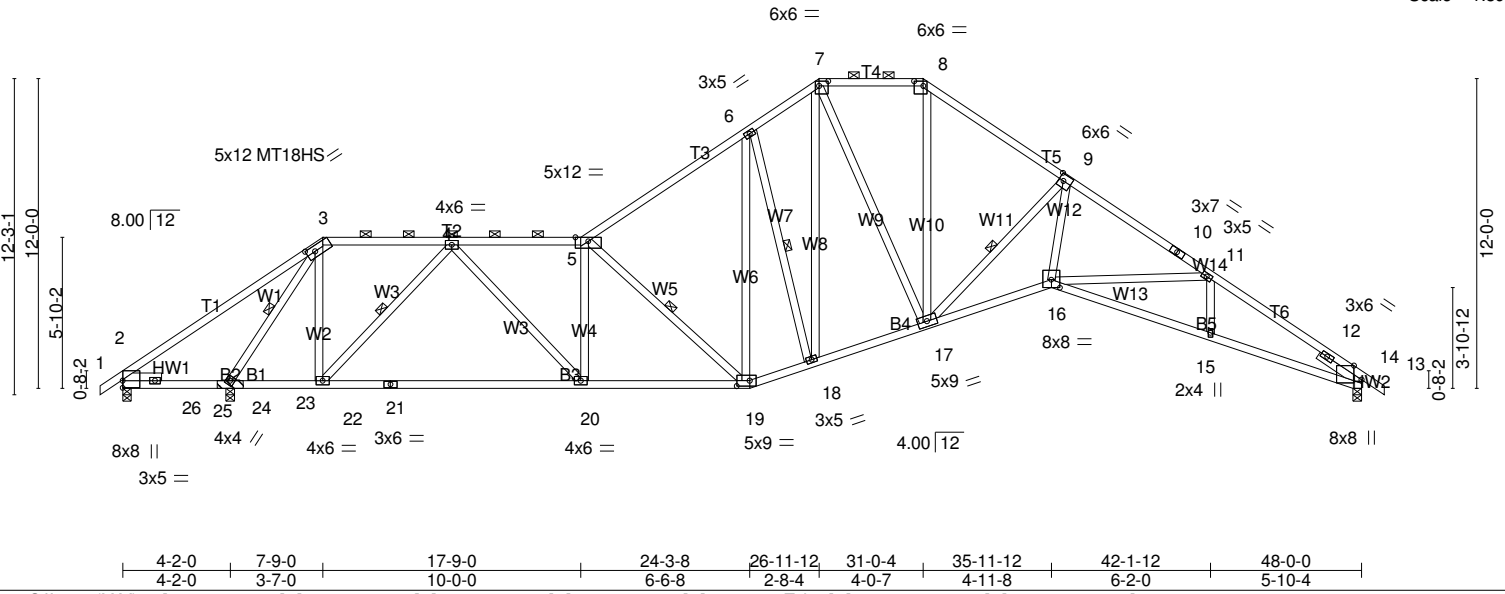


Plate Offsets (X,Y)-- [3:0-4-0,0-2-8], [7:0-4-4,0-2-4], [8:0-4-4,0-2-4], [9:0-2-4,0-3-0], [13:0-6-9,Edge], [16:0-4-0,0-3-11], [19:0-6-0,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.98	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.95	Vert(LL) -0.36 15-16 >999 240	MT18HS	197/144
TCDL 10.0	Lumber DOL 1.15	WB 1.00	Vert(CT) -0.75 15-16 >706 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.44 13 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 261 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* T6: 2x4 SP DSS	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-5-8 max.): 3-5, 7-8.
BOT CHORD 2x4 SP DSS *Except* B4,B3: 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SPF Stud *Except* W12: 2x4 SPF No.2	WEBS 1 Row at midpt 3-24, 4-22, 5-19, 6-18, 9-17
SLIDER Left 2x4 SPF Stud -ø 1-6-0, Right 2x4 SPF Stud -ø 2-0-0	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=-839/0-4-0 (min. 0-1-8), 13=1712/0-4-0 (min. 0-2-11), 24=3072/(0-4-0 + bearing block) (req. 0-4-13)
 Max Horz2=-231(LC 10)
 Max Uplift2=-839(LC 1), 13=-295(LC 13), 24=-493(LC 12)
 Max Grav2=64(LC 12), 13=1712(LC 1), 24=3072(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-35=-160/1601, 35-36=-144/1633, 3-36=-142/1761, 3-4=-412/214, 4-5=-2511/589, 5-37=-2168/522,
 6-37=-2021/538, 6-7=-2014/590, 7-8=-1778/499, 8-38=-2160/540, 9-38=-2265/516, 9-10=-3902/704, 10-11=-3948/684,
 11-39=-4046/730, 12-39=-4177/709, 12-13=-1344/185, 13-14=0/49
 BOT CHORD 2-26=-735/1021, 25-26=-1415/278, 24-25=-1415/278, 23-24=-172/536, 22-23=-172/536, 21-22=-379/1577,
 21-40=-379/1577, 40-41=-379/1577, 20-41=-379/1577, 19-20=-469/2490, 18-19=-250/1832, 17-18=-148/1696,
 16-17=-453/3838, 15-16=-546/3560, 13-15=-535/3511
 WEBS 3-24=-3198/452, 3-22=-130/1401, 4-22=-1786/378, 4-20=-191/1374, 5-20=-815/250, 5-19=-1002/313, 6-19=-83/210,
 6-18=-554/330, 7-18=-310/657, 7-17=-37/454, 8-17=-163/922, 9-17=-2648/457, 9-16=-260/2493, 11-16=-267/226,
 11-15=-42/125

- NOTES-**
- 2x4 SP DSS bearing block 12" long at jt. 24 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF 1650F 1.5E.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) -0-10-8 to 3-11-2, Interior(1) 3-11-2 to 7-9-0, Exterior(2) 7-9-0 to 12-9-0, Interior(1) 12-9-0 to 26-11-12, Exterior(2) 26-11-12 to 35-9-13, Interior(1) 35-9-13 to 48-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	TD	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

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ID:-HKR3kN8s?cRPQEXnsFpn55ynJxU-zHe_NmjyfkTXiesSOCJzqe1LEues?e61ELF1hymHH_

NOTES-

- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 839 lb uplift at joint 2, 295 lb uplift at joint 13 and 493 lb uplift at joint 24.
- 11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	TE	Piggyback Base	4	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

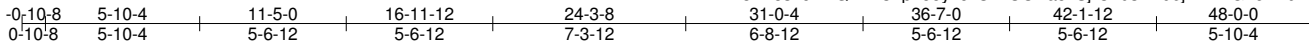
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LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejering - Charleston F
QUOTE FILE	TE1	Piggyback Base	4	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:52 2021 Page 1
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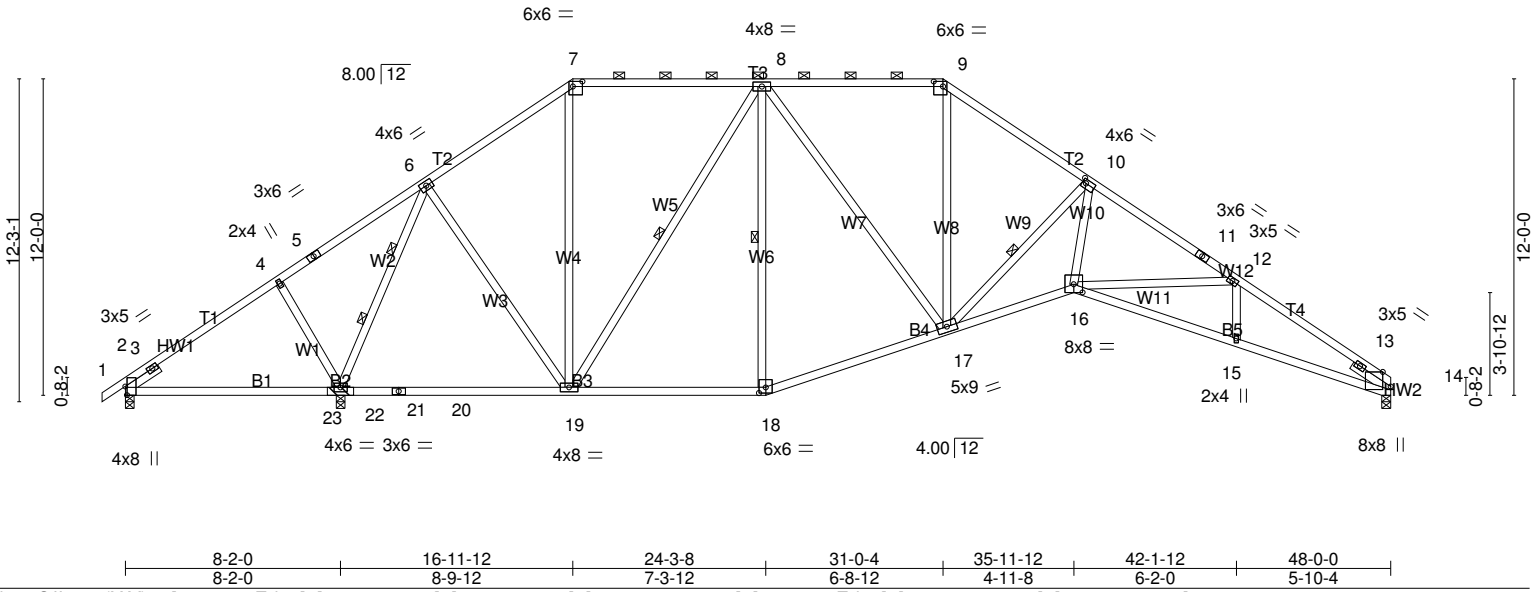


Plate Offsets (X,Y)--	[2:0-3-15,Edge], [7:0-4-4,0-2-4], [9:0-4-4,0-2-4], [10:0-1-12,0-1-12], [14:0-6-9,Edge], [16:0-4-0,0-3-11], [18:0-3-0,0-2-8]				
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.73	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.86	Vert(LL) -0.28 15-16 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.93	Vert(CT) -0.60 15-16 >800 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.35 14 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 245 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* T4: 2x4 SP DSS	TOP CHORD Structural wood sheathing directly applied or 2-2-12 oc purlins, except 2-0-0 oc purlins (4-2-12 max.): 7-9.
BOT CHORD 2x4 SPF No.2 *Except* B5: 2x4 SP DSS	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF Stud	WEBS 1 Row at midpt 8-19, 8-18, 10-17 2 Rows at 1/3 pts 6-22
SLIDER Left 2x4 SPF Stud -δ 1-6-0, Right 2x4 SPF Stud -δ 1-9-0	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=-230/0-4-0 (min. 0-1-8), 14=1468/0-4-0 (min. 0-2-5), 22=2655/(0-4-0 + bearing block) (req. 0-4-4)
 Max Horz 2=227(LC 11)
 Max Uplift 2=298(LC 22), 14=258(LC 13), 22=339(LC 12)
 Max Grav 2=76(LC 8), 14=1468(LC 1), 22=2692(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-188/146, 3-32=-88/789, 4-32=-77/921, 4-5=-60/913, 5-33=-47/940, 6-33=-37/1082, 6-7=-854/345,
 7-34=-698/338, 8-34=-698/338, 8-9=-1443/449, 9-10=-1853/479, 10-35=-3187/630, 11-35=-3284/616, 11-12=-3335/610,
 12-36=-3517/676, 13-36=-3653/655, 13-14=-1200/162
 BOT CHORD 2-23=-794/278, 22-23=-794/278, 21-22=-188/207, 21-37=-188/207, 20-37=-188/207, 20-38=-188/207, 19-38=-188/207,
 19-39=-144/1094, 18-39=-144/1094, 17-18=-162/1173, 16-17=-397/3239, 15-16=-506/3107, 14-15=-497/3066
 WEBS 4-22=-406/234, 6-22=-2299/422, 6-19=-106/1061, 7-19=-35/196, 8-19=-882/221, 8-18=-228/124, 8-17=-45/619,
 9-17=-109/662, 10-17=-2320/443, 10-16=-234/2151, 12-16=-347/233, 12-15=-19/142

- NOTES-**
- 2x4 SPF No.2 bearing block 12" long at jt. 22 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SPF 1650F 1.5E.
 - Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-10-8 to 3-11-2, Interior(1) 3-11-2 to 16-11-12, Exterior(2) 16-11-12 to 23-9-4, Interior(1) 23-9-4 to 31-0-4, Exterior(2) 31-0-4 to 37-9-11, Interior(1) 37-9-11 to 48-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 298 lb uplift at joint 2, 258 lb uplift at joint 14 and 339 lb uplift at joint 22.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	TE1	Piggyback Base	4	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

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LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	TF	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:52 2021 Page 2
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-RUCNa5kSjzsK9sD206jYV2AE1eF1bUkFFu4pZ7ymHGz

NOTES-

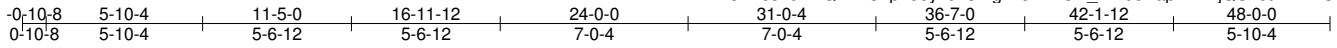
- 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	TG	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:53 2021 Page 1
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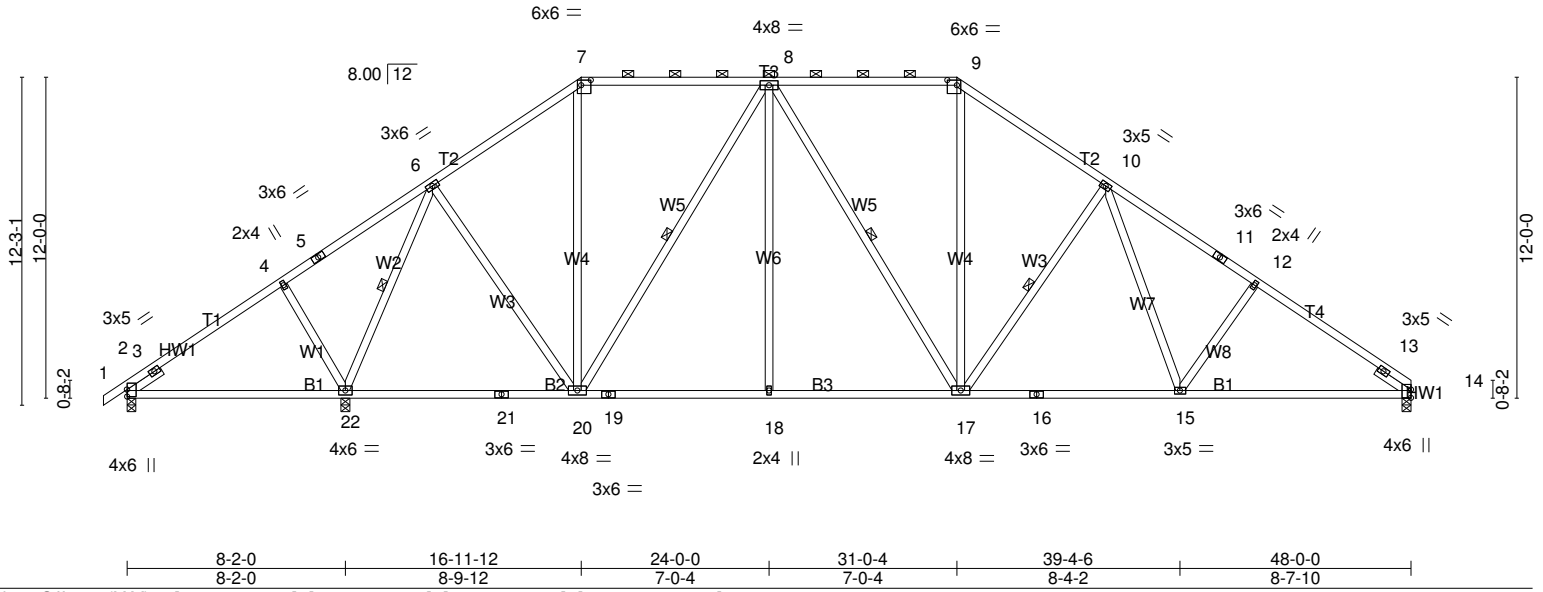


Plate Offsets (X,Y)-- [2:0-3-3,0-0-1], [7:0-4-4,0-2-4], [9:0-4-4,0-2-4], [14:0-3-11,0-0-1]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.77	Vert(LL)	-0.24 15-17	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.82	Vert(CT)	-0.40 15-17	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.89	Horz(CT)	0.10 14	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 242 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-3-7 oc purlins, except 2-0-0 oc purlins (4-5-2 max.): 7-9.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-22.
 WEBS 1 Row at midpt 6-22, 8-20, 8-17, 10-17

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

REACTIONS. (lb/size) 2=256/0-4-0 (min. 0-1-8), 22=2069/0-4-0 (min. 0-3-10), 14=1567/0-4-0 (min. 0-2-10)
 Max Horz 2=227(LC 11)
 Max Uplift 2=62(LC 12), 22=307(LC 12), 14=268(LC 13)
 Max Grav 2=256(LC 1), 22=2312(LC 20), 14=1691(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-368/0, 3-31=-78/153, 4-31=-42/232, 4-5=-52/228, 5-32=-19/296, 6-32=0/369, 6-7=-1216/391, 7-8=-961/374, 8-9=-1471/458, 9-10=-1840/489, 10-33=-2229/501, 11-33=-2301/488, 11-12=-2370/478, 12-34=-2388/477, 13-34=-2504/455, 13-14=-951/4
 BOT CHORD 2-22=-216/245, 22-35=-136/575, 21-35=-136/575, 20-21=-136/575, 19-20=-139/1407, 19-36=-139/1407, 18-36=-139/1407, 18-37=-139/1407, 17-37=-139/1407, 16-17=-203/1680, 16-38=-203/1680, 15-38=-203/1680, 14-15=-306/1980
 WEBS 4-22=-375/232, 6-22=-1851/348, 6-20=-89/844, 7-20=-55/375, 8-20=-895/211, 8-18=0/382, 8-17=-76/189, 9-17=-113/692, 10-17=-657/295, 10-15=-81/461, 12-15=-272/213

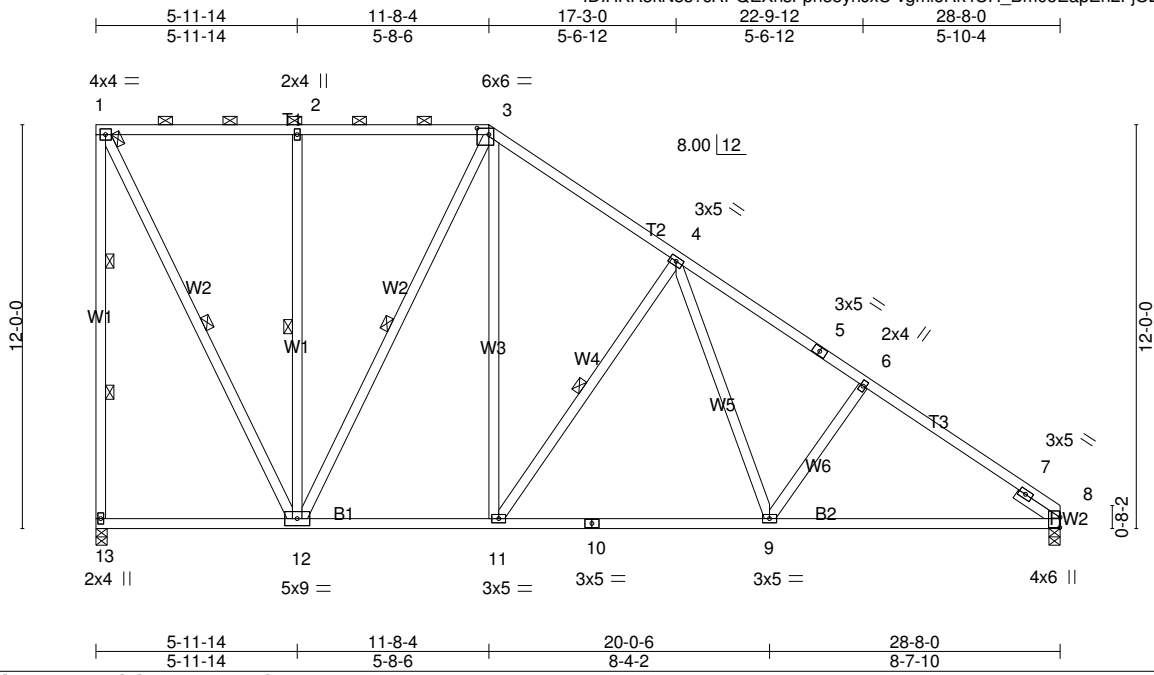
- NOTES-**
- Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-10-8 to 3-11-2, Interior(1) 3-11-2 to 16-11-12, Exterior(2) 16-11-12 to 24-0-0, Interior(1) 24-0-0 to 31-0-4, Exterior(2) 31-0-4 to 37-9-11, Interior(1) 37-9-11 to 48-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 62 lb uplift at joint 2, 307 lb uplift at joint 22 and 268 lb uplift at joint 14.
 - This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	TG1	Piggyback Base	5	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:53 2021 Page 1
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-vgmloRk4UH_Bm0oEapEn2FjO22exK?nPUYqM5aymHGy



Scale = 1:68.5

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.91	Vert(LL)	-0.19 9-11	>999	240	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.64	Vert(CT)	-0.31 9-11	>999	180		
TCDL 10.0	Lumber DOL 1.15	WB 0.58	Horz(CT)	0.04 8	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS						
BCDL 10.0	Code IBC2015/TPI2014						Weight: 165 lb	FT = 20%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-0-13 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3.
 BOT CHORD Rigid ceiling directly applied or 9-6-8 oc bracing.
 WEBS 1 Row at midpt 1-12, 2-12, 3-12, 4-11
 2 Rows at 1/3 pts 1-13

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

REACTIONS. (lb/size) 13=1141/0-4-0 (min. 0-1-15), 8=1141/0-4-0 (min. 0-1-15)
 Max Horz 13=-445(LC 13)
 Max Uplift 13=-265(LC 8), 8=-143(LC 13)
 Max Grav 13=1254(LC 20), 8=1232(LC 20)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-13=-1132/329, 1-18=-520/128, 2-18=-520/128, 2-19=-520/128, 3-19=-520/128, 3-20=-947/185, 4-20=-1035/171,
 4-5=-1464/235, 5-6=-1605/211, 6-21=-1674/211, 7-21=-1740/198, 7-8=-796/0
 BOT CHORD 13-22=-367/444, 12-22=-367/444, 12-23=0/760, 11-23=0/760, 10-11=0/1023, 10-24=0/1023, 9-24=0/1023, 8-9=-87/1359
 WEBS 1-12=-285/1154, 2-12=-409/213, 3-12=-639/209, 3-11=-162/841, 4-11=-679/299, 4-9=-93/512, 6-9=-303/223

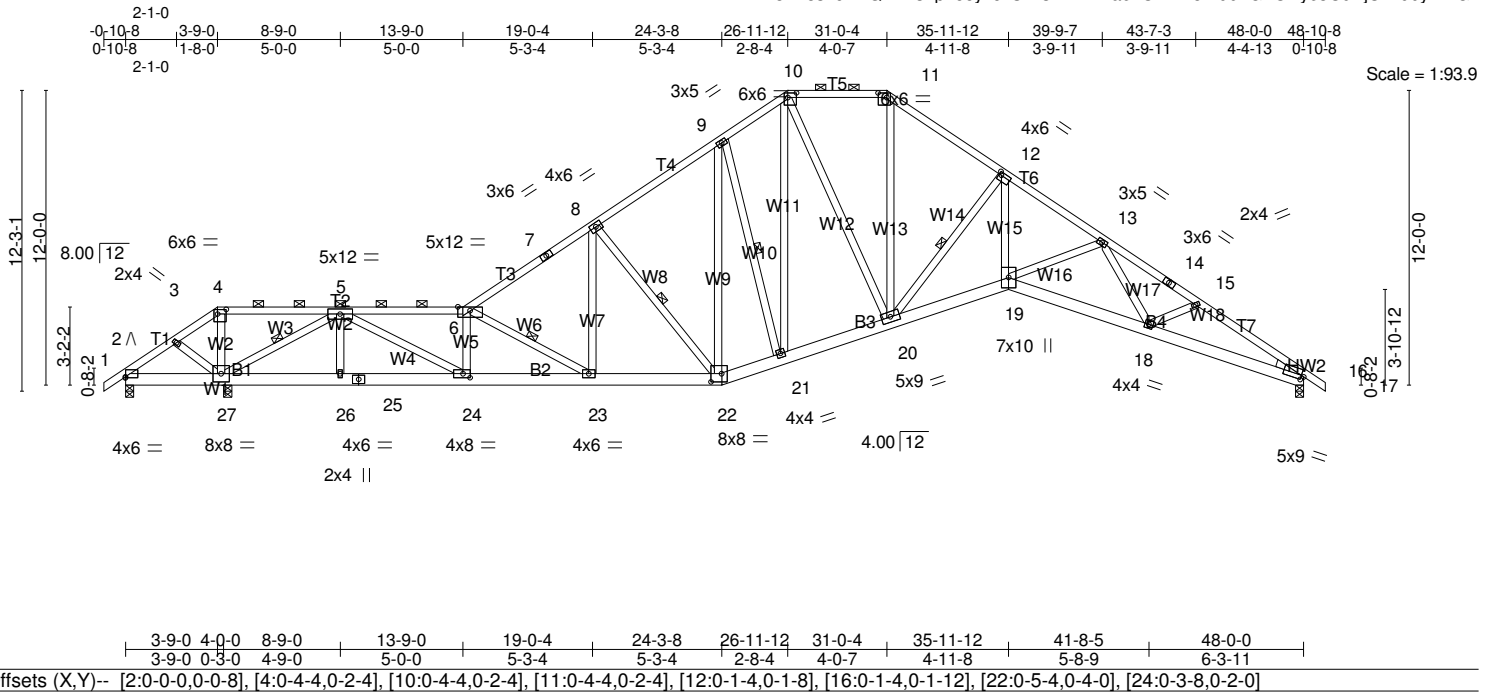
- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 11-8-4, Exterior(2) 11-8-4 to 14-8-4, Interior(1) 14-8-4 to 28-8-0 zone; cantilever left and right exposed; end vertical right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 265 lb uplift at joint 13 and 143 lb uplift at joint 8.
 - 7) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Fejering - Charleston F
QUOTE FILE	TH	Piggyback Base Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:54 2021 Page 1
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-NsK7?nliEa62OANR8Xl0bTGZORy63OuYJCvd0ymHGx



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.93	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.71	Vert(LL) -0.33 19 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.84	Vert(CT) -0.67 19 >790 180		
BCLL 0.0 *	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.33 16 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 309 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 *Except* T7: 2x4 SP DSS	TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (2-2-1 max.): 4-6, 10-11.
BOT CHORD 2x6 SP DSS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-27.
WEBS 2x4 SPF Stud *Except* W4,W15: 2x4 SPF No.2	WEBS 1 Row at midpt 5-27, 6-23, 8-22, 9-21, 12-20
WEDGE Right: 2x4 SPF Stud	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=0/0-4-0 (min. 0-1-8), 16=1796/0-4-0 (min. 0-2-13), 27=2200/0-4-0 (min. 0-3-7)
Max Horz 2=231(LC 11)
Max Uplift 2=REL, 16=-289(LC 13), 27=-1216(LC 12)
Max Grav 2=460(LC 12), 16=1796(LC 1), 27=2200(LC 1)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-750/236, 3-4=-770/316, 4-35=-638/242, 35-36=-638/242, 5-36=-638/242, 5-37=-4563/579, 6-37=-4563/579,
6-7=-3335/505, 7-8=-3223/519, 8-38=-2417/476, 9-38=-2312/497, 9-10=-2208/530, 10-11=-1951/463, 11-12=-2451/504,
12-13=-4233/646, 13-14=-4300/670, 14-15=-4328/657, 15-39=-4370/718, 16-39=-4507/716, 16-17=0/49
BOT CHORD 2-40=-299/635, 27-40=-299/635, 27-41=-292/2503, 41-42=-292/2503, 26-42=-292/2503, 25-26=-292/2503,
25-43=-292/2503, 24-43=-292/2503, 23-24=-558/4505, 22-23=-355/2721, 21-22=-197/2055, 20-21=-114/1889,
19-20=-318/3568, 18-19=-453/3877, 16-18=-544/3784
WEBS 3-27=-112/111, 4-27=-381/597, 5-27=-3130/902, 5-26=0/195, 5-24=-513/2385, 6-24=-1113/317, 6-23=-2020/230,
8-23=-44/1097, 8-22=-1253/273, 9-22=-100/456, 9-21=-649/265, 10-21=-246/764, 10-20=-43/443, 11-20=-153/1048,
12-20=-2323/370, 12-19=-243/2573, 13-19=-286/194, 13-18=-145/91, 15-18=-122/172

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-10-8 to 8-9-0, Interior(1) 8-9-0 to 26-11-12, Exterior(2) 26-11-12 to 35-10-0, Interior(1) 35-10-0 to 48-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 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) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 289 lb uplift at joint 16 and 1216 lb uplift at joint 27.
 - 9) "A" indicates Released bearing: allow for upward movement at joint(s) 2.
 - 10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	TH	Piggyback Base Girder	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:54 2021 Page 2
ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-NsK7?nliEa62OANR8Xl0bTGZORy63OuYjCZvd0ymHGx

NOTES-

- 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) 90 lb down and 105 lb up at 3-9-0, 91 lb down and 98 lb up at 5-9-12, and 91 lb down and 98 lb up at 7-9-12, and 90 lb down and 98 lb up at 9-9-12 on top chord, and 52 lb down and 54 lb up at 2-0-12, 22 lb down and 24 lb up at 3-9-12, 22 lb down and 24 lb up at 5-9-12, and 22 lb down and 24 lb up at 7-9-12, and 22 lb down and 24 lb up at 9-9-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 13) 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 + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-4=-60, 4-6=-60, 6-10=-60, 10-11=-60, 11-17=-60, 22-28=-20, 19-22=-20, 19-31=-20

Concentrated Loads (lb)

Vert: 27=0(F) 40=-52(F) 41=0(F) 42=0(F) 43=0(F)

Job	Truss	Truss Type	Qty	Ply	Fejerang - Charleston F
QUOTE FILE	TI	Piggyback Base	1	1	Job Reference (optional)

84 Lumber 0280, Coal Center, PA 15423, Marty Stiffler

Run: 8.500 s Apr 2 2021 Print: 8.500 s Apr 2 2021 MiTek Industries, Inc. Thu Aug 19 13:49:55 2021 Page 1
 ID:HKR3kN8s?cRPQEXnsFpn55ynJxU-r3uVD7mK?uEv0JydhEGF7gorcrOvowiiysJT9SymHGw

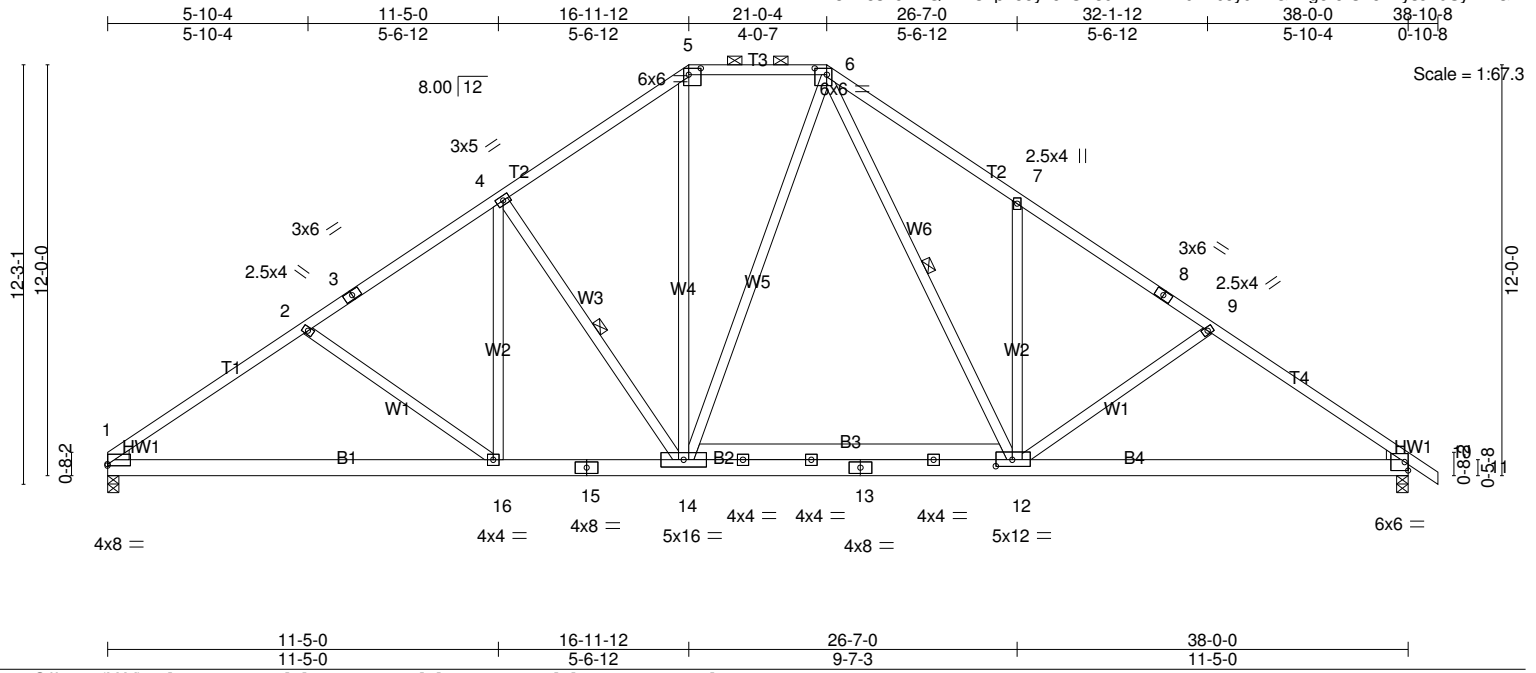


Plate Offsets (X,Y)-- [1:0-0-0,0-0-8], [5:0-4-4,0-2-4], [6:0-4-4,0-2-4], [12:0-5-12,0-2-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.39	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=20.0)	Plate Grip DOL 1.15	BC 0.35	Vert(LL) -0.13 12-14 >999 240		
TCDL 10.0	Lumber DOL 1.15	WB 0.55	Vert(CT) -0.25 16-19 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.06 10 n/a n/a		
BCDL 10.0	Code IBC2015/TPI2014			Weight: 222 lb	FT = 20%

LUMBER-
 TOP CHORD 2x4 SPF No.2
 BOT CHORD 2x6 SPF 1650F 1.5E
 WEBS 2x4 SPF Stud
 WEDGE
 Left: 2x4 SPF Stud , Right: 2x4 SPF Stud

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-7-6 oc purlins, except 2-0-0 oc purlins (4-11-14 max.): 5-6.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-14, 6-12

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

REACTIONS. (lb/size) 1=1519/0-4-0 (min. 0-2-8), 10=1573/0-4-0 (min. 0-2-10)
 Max Horz 1=-227(LC 8)
 Max Uplift1=-258(LC 12), 10=-273(LC 13)
 Max Grav 1=1610(LC 20), 10=1656(LC 21)

FORCES. (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-23=-2387/446, 2-23=-2287/469, 2-3=-2113/406, 3-4=-1989/430, 4-5=-1735/464, 5-6=-1384/432, 6-7=-2208/586,
 7-8=-2043/419, 8-9=-2119/395, 9-24=-2312/458, 10-24=-2392/435, 10-11=0/49
 BOT CHORD 1-16=-405/2061, 15-16=-218/1782, 14-15=-218/1782, 14-25=-51/1308, 13-25=-50/1316, 13-26=-51/1315, 12-26=-54/1309,
 10-12=-286/1890
 WEBS 2-16=-343/230, 4-16=-8/437, 4-14=-685/255, 5-14=-133/714, 6-14=-103/202, 6-12=-311/1019, 7-12=-444/297,
 9-12=-341/233

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Pr. Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) 0-0-0 to 3-9-10, Interior(1) 3-9-10 to 16-11-12, Exterior(2) 16-11-12 to 26-7-0, Interior(1) 26-7-0 to 38-10-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-10; Pf=20.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.10
 - 3) This truss has been designed for greater of min roof live load of 16.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 258 lb uplift at joint 1 and 273 lb uplift at joint 10.
 - 8) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard