Job	Truss	Truss Type	Qty	Ply	Feathered Elk Ranch
Q2400560	A01	Scissor Supported Gable	1	1	Job Reference (optional)

Truss Craft Structural Components, LLC, Cheyenne, WY, 82007 Run: 8.73 S Mar 6 2024 Print: 8.730 S Mar 6 2024 MiTek Industries, Inc. Wed Mar 27 10:30:09 Page: 1

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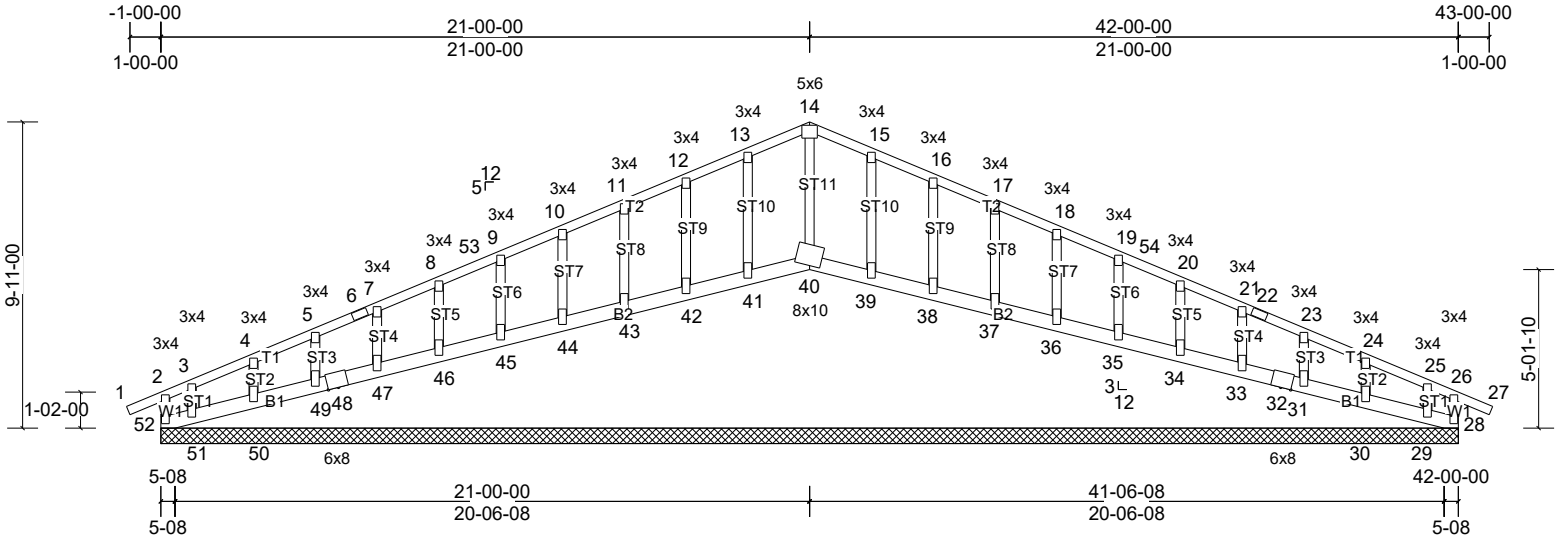

Scale = 1:74.9

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	95.5	Plate Grip DOL	1.00	TC	0.26	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow = 124.0)		Lumber DOL	1.00	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.00	28	n/a	n/a		
BCLL	0.0	Code	IRC2021/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 190 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SPF 1650F 1.5E
BOT CHORD	2x6 SPF 1650F 1.5E
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2

BRACING

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

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

REACTIONS All bearings 42-00-00.

(lb) - Max Horiz 52=131 (LC 18)

Max Uplift All uplift 100 (lb) or less at joint(s) 28, 30, 31, 33, 34, 35, 36, 37, 38, 39, 41, 42, 43, 44, 45, 46, 47, 49, 50, 52 except 29=-167 (LC 15), 51=-198 (LC 14)

Max Grav All reactions 250 (lb) or less at joint(s) 29, 51 except 28=462 (LC 22), 30=491 (LC 22), 31=456 (LC 22), 33=464 (LC 1), 34=466 (LC 22), 35=631 (LC 22), 36=670 (LC 22), 37=665 (LC 22), 38=654 (LC 22), 39=716 (LC 22), 40=435 (LC 29), 41=716 (LC 21), 42=654 (LC 21), 43=665 (LC 21), 44=670 (LC 21), 45=631 (LC 21), 46=466 (LC 21), 47=464 (LC 1), 49=456 (LC 21), 50=491 (LC 21), 52=462 (LC 21)

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

TOP CHORD 2-52=-432/61, 11-12=-107/275, 12-13=-116/317, 13-14=-134/356, 14-15=-134/356, 15-16=-116/317, 16-17=-107/275, 26-28=-432/56

WEBS 14-40=-406/35, 13-41=-673/78, 12-42=-614/84, 11-43=-624/81, 10-44=-630/82, 9-45=-590/82, 8-46=-426/82, 7-47=-423/83, 5-49=-416/81, 4-50=-447/109, 15-39=-673/78, 16-38=-614/84, 17-37=-624/81, 18-36=-630/82, 19-35=-590/82, 20-34=-426/82, 21-33=-423/83, 23-31=-416/81, 24-30=-447/109

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3E) -1-0-11 to 3-0-0, Exterior(2N) 3-0-0 to 21-0-0, Corner(3R) 21-0-0 to 25-0-0, Exterior(2N) 25-0-0 to 43-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pg= 124.0 psf; Pf=95.5 psf (Lum DOL=1.00 Plate DOL=1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 95.5 psf on overhangs non-concurrent with other live loads.
6) All plates are 3x6 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 52, 28, 41, 42, 43, 44, 45, 46, 47, 49, 50, 39, 38, 37, 36, 35, 34, 33, 31, 30 except (jt=lb) 51=198, 29=167.
12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 40, 41, 42, 43, 44, 45, 46, 47, 49, 50, 51, 39, 38, 37, 36, 35, 34, 33, 31, 30, 29.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Feathered Elk Ranch
Q2400560	A02	Scissor	9	2	Job Reference (optional)

Truss Craft Structural Components, LLC, Cheyenne, WY, 82007 Run: 8.73 S Mar 6 2024 Print: 8.730 S Mar 6 2024 MiTek Industries, Inc. Wed Mar 27 10:30:09 Page: 1

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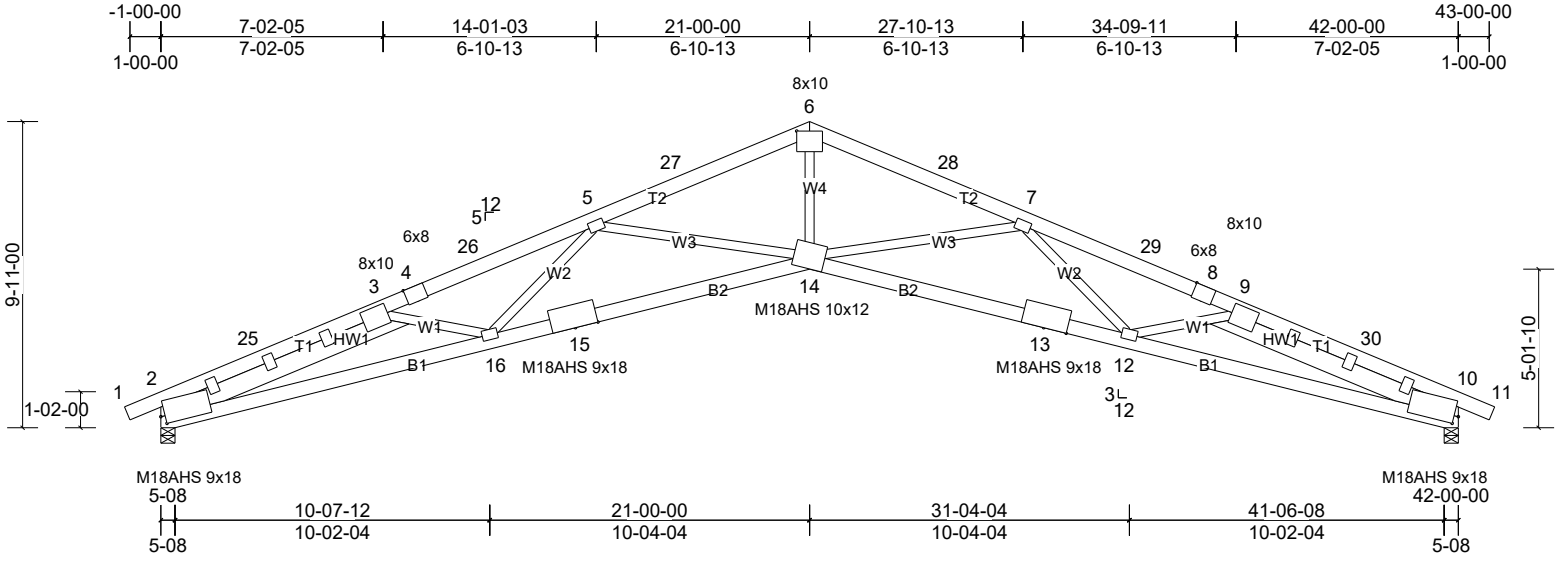

Scale = 1:74.9

Plate Offsets (X, Y): [2:1-11,3-02], [4:4-00,Edge], [6:5-00,2-04], [8:4-00,Edge], [10:1-11,3-02]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	95.5	Plate Grip DOL	1.00	TC	0.74	Vert(LL)	-1.08	12-14	>466	240	MT20	197/144
(Ground Snow = 124.0)		Lumber DOL	1.00	BC	0.61	Vert(CT)	-1.33	12-14	>379	180	M18AHS	169/162
TCDL	10.0	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.83	10	n/a	n/a		
BCLL	0.0	Code	IRC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 533 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 1650F 1.5E
BOT CHORD	2x6 DF 2400F 2.0E
WEBS	2x4 SPF No.2 *Except* W4:2x4 SPF 1650F 1.5E
SLIDER	Left 2x8 DF 2400F 2.0E -- 8-06-13, Right 2x8 DF 2400F 2.0E -- 8-06-13

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-3-7 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=5080/5-08, (min. 2-07), 10=5080/5-08, (min. 2-07)
Max Horiz 2=-162 (LC 19)
Max Uplift 2=-266 (LC 14), 10=-266 (LC 15)

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

TOP CHORD 2-25=-5183/332, 3-25=-4915/354, 3-4=-15778/753, 4-26=-15608/762, 5-26=-15587/780, 5-27=-13210/494, 6-27=-12905/523, 6-28=-12905/518, 7-28=-13210/490, 7-29=-15587/613, 8-29=-15608/595, 8-9=-15778/586, 9-30=-4914/314, 10-30=-5183/295

BOT CHORD 2-16=-913/14684, 15-16=-734/14926, 14-15=-717/14963, 13-14=-483/14963, 12-13=-500/14926, 10-12=-603/14684

WEBS 6-14=-247/8602, 7-14=-3934/446, 7-12=-590/364, 9-12=0/757, 5-14=-3934/428, 5-16=-590/364, 3-16=0/757

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 6-00 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 9-00 oc.
Web connected as follows: 2x4 - 1 row at 9-00 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-1-1 to 3-1-5, Interior (1) 3-1-5 to 21-0-0, Exterior(2R) 21-0-0 to 25-2-6, Interior (1) 25-2-6 to 43-1-1 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
4) TCLL: ASCE 7-16; Pg= 124.0 psf; Pf=95.5 psf (Lum DOL=1.00 Plate DOL=1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 95.5 psf on overhangs non-concurrent with other live loads.
7) All plates are MT20 plates unless otherwise indicated.
8) All plates are 4x6 MT20 unless otherwise indicated.
9) The Fabrication Tolerance at joint 14 = 8%
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) Bearing at joint(s) 2, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 266 lb uplift at joint 2 and 266 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Feathered Elk Ranch
Q2400560	A03	Common	12	1	Job Reference (optional)

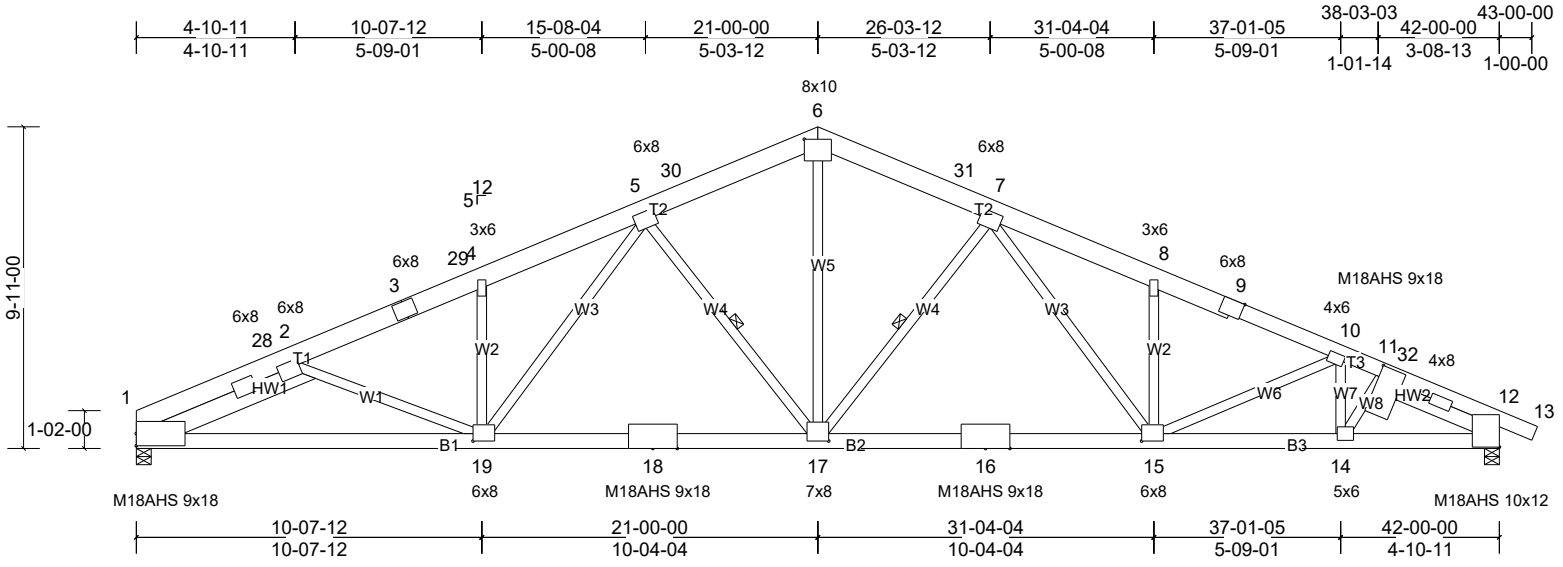

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Plate Offsets (X, Y): [2:4-00,2-04], [6:5-00,3-04], [9:4-00,Edge], [11:4-07,2-06], [12:Edge,8-03], [15:2-12,2-12], [17:4-00,2-12], [19:1-08,2-12]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	95.5	Plate Grip DOL	1.00	TC	0.43	Vert(LL)	-0.42	17-19	>999	240	MT20	220/195
(Ground Snow = 124.0)		Lumber DOL	1.00	BC	0.87	Vert(CT)	-0.54	17-19	>932	180	M18AHS	142/136
TCDL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.21	12	n/a	n/a		
BCLL	0.0	Code	IRC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 313 lb	FT = 20%

LUMBER

TOP CHORD	2x8 DF 2400F 2.0E *Except* T3:2x6 DF 2400F 2.0E
BOT CHORD	2x6 DF 2400F 2.0E *Except* B2:2x6 SPF 1650F 1.5E
WEBS	2x4 SPF 1650F 1.5E *Except* W2,W1,W6,W7:2x4 SPF No.2
SLIDER	Left 2x8 DF 2400F 2.0E -- 5-09-00, Right 2x6 DF 2400F 2.0E -- 3-11-12

REACTIONS (lb/size) 1=4847/5-08, (min. 4-13), 12=5083/5-08, (min. 5-01)
Max Horiz 1=-168 (LC 19)
Max Uplift 1=-242 (LC 14), 12=-267 (LC 15)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-1-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-17, 7-17

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

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

TOP CHORD	1-28=-4024/180, 2-28=-3829/188, 2-3=-8525/396, 3-29=-8297/409, 4-29=-8104/410, 4-5=-8611/510, 5-30=-6168/386, 6-30=-5972/408, 6-31=-5972/405, 7-31=-6170/383, 7-8=-8530/512, 8-9=-8233/415, 9-10=-8518/401, 10-11=-8106/429, 11-32=-1948/143, 12-32=-2171/139
BOT CHORD	1-19=-517/7883, 18-19=-286/6679, 17-18=-286/6679, 16-17=-204/6680, 15-16=-204/6680, 14-15=-326/7627, 12-14=-309/7078
WEBS	4-19=-1456/200, 5-19=-170/2090, 2-19=-185/320, 5-17=-2744/276, 6-17=-159/3378, 7-17=-2705/278, 7-15=-172/1991, 8-15=-1440/199, 10-15=-1/468, 10-14=-1203/88, 11-14=-38/1199

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) 0-0-0 to 4-2-6, Interior (1) 4-2-6 to 21-0-0, Exterior(2R) 21-0-0 to 25-2-6, Interior (1) 25-2-6 to 43-1-1 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 7-16; Pg= 124.0 psf; Pf=95.5 psf (Lum DOL=1.00 Plate DOL=1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 95.5 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) All plates are 6x8 MT20 unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 242 lb uplift at joint 1 and 267 lb uplift at joint 12.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Feathered Elk Ranch
Q2400560	A04	Common	5	1	Job Reference (optional)

Truss Craft Structural Components, LLC, Cheyenne, WY, 82007 Run: 8.73 S Mar 6 2024 Print: 8.730 S Mar 6 2024 MiTek Industries, Inc. Wed Mar 27 10:30:09 Page: 1

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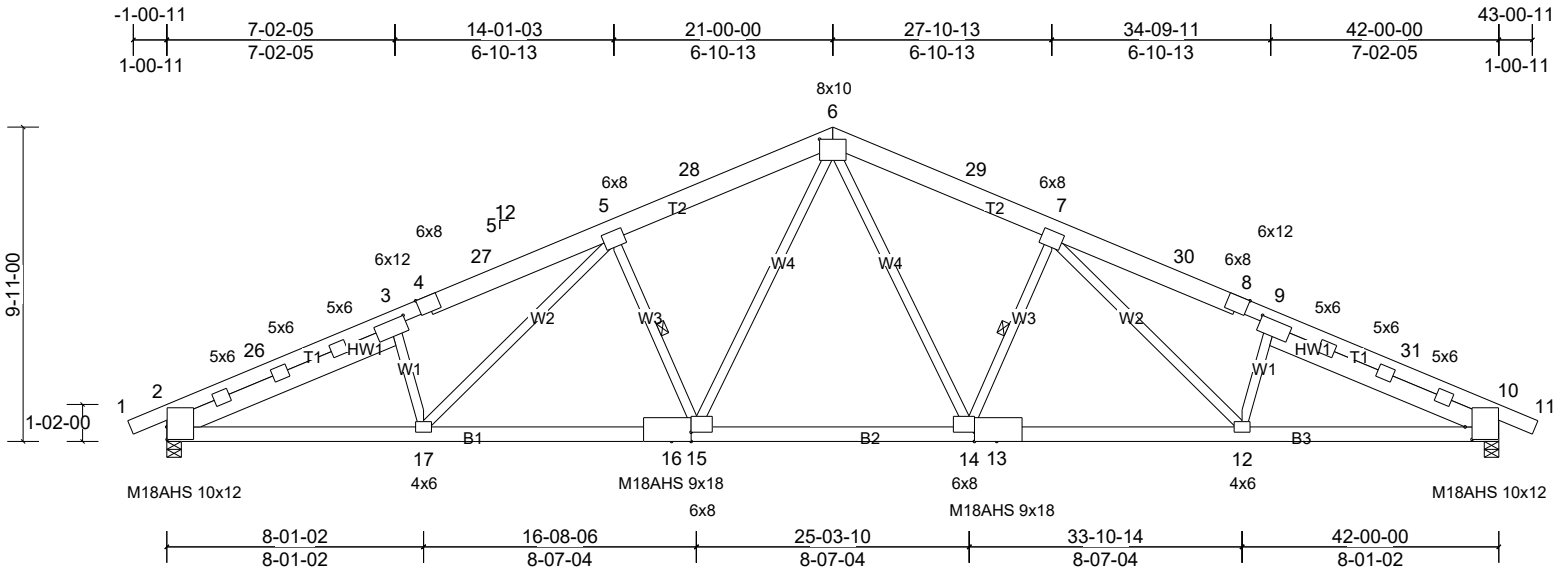

Scale = 1:73

Plate Offsets (X, Y): [2:4-12,0-02], [3:6-00,2-04], [4:4-00,Edge], [6:5-00,3-04], [8:4-00,Edge], [9:6-00,2-04], [10:4-12,2-10], [13:8-06,Edge], [14:2-00,2-00], [15:2-00,2-00], [16:7-06,Edge]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	95.5	Plate Grip DOL	1.00	TC	0.60	Vert(LL)	-0.40	15-17	>999	240	MT20	197/144
(Ground Snow = 124.0)		Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.50	15-17	>999	180	M18AHS	142/136
TCDL	10.0	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.21	10	n/a	n/a		
BCLL	0.0	Code	IRC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 308 lb	FT = 20%

LUMBER

TOP CHORD	2x8 DF 2400F 2.0E *Except* T1:2x6 SPF 1650F 1.5E
BOT CHORD	2x6 DF 2400F 2.0E *Except* B2:2x6 SPF 1650F 1.5E
WEBS	2x4 SPF No.2 *Except* W2,W4:2x4 SPF 1650F 1.5E
SLIDER	Left 2x8 DF 2400F 2.0E -- 7-08-12, Right 2x8 DF 2400F 2.0E -- 7-08-12

REACTIONS (lb/size) 2=5092/5-08, (min. 5-01), 10=5092/5-08, (min. 5-01)
Max Horiz 2=-161 (LC 19)
Max Uplift 2=-268 (LC 14), 10=-268 (LC 15)

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-8-14 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 5-15, 7-14

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

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

TOP CHORD	2-26=-2898/236, 3-26=-2635/255, 3-4=-8610/476, 4-27=-8364/486, 5-27=-8343/503, 5-28=-7206/436, 6-28=-6914/455, 6-29=-6914/455, 7-29=-7205/436, 7-30=-8343/504, 8-30=-8364/486, 8-9=-8610/477, 9-31=-2634/253, 10-31=-2898/234
BOT CHORD	2-17=-466/7890, 16-17=-334/7089, 15-16=-334/7089, 14-15=-138/5480, 13-14=-226/7088, 12-13=-226/7088, 10-12=-305/7890
WEBS	3-17=-691/195, 5-17=-126/1022, 5-15=-2634/304, 6-15=-197/2906, 6-14=-197/2906, 7-14=-2634/305, 7-12=-127/1022, 9-12=-691/195

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-1-12 to 3-0-11, Interior (1) 3-0-11 to 21-0-0, Exterior(2R) 21-0-0 to 25-2-6, Interior (1) 25-2-6 to 43-1-12 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 7-16; Pg= 124.0 psf; Pf=95.5 psf (Lum DOL=1.00 Plate DOL=1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 95.5 psf on overhangs non-concurrent with other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 268 lb uplift at joint 2 and 268 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Feathered Elk Ranch
Q2400560	A05	Common Supported Gable	1	1	Job Reference (optional)

Truss Craft Structural Components, LLC, Cheyenne, WY, 82007 Run: 8.73 S Mar 6 2024 Print: 8.730 S Mar 6 2024 MiTek Industries, Inc. Wed Mar 27 10:30:09 Page: 1
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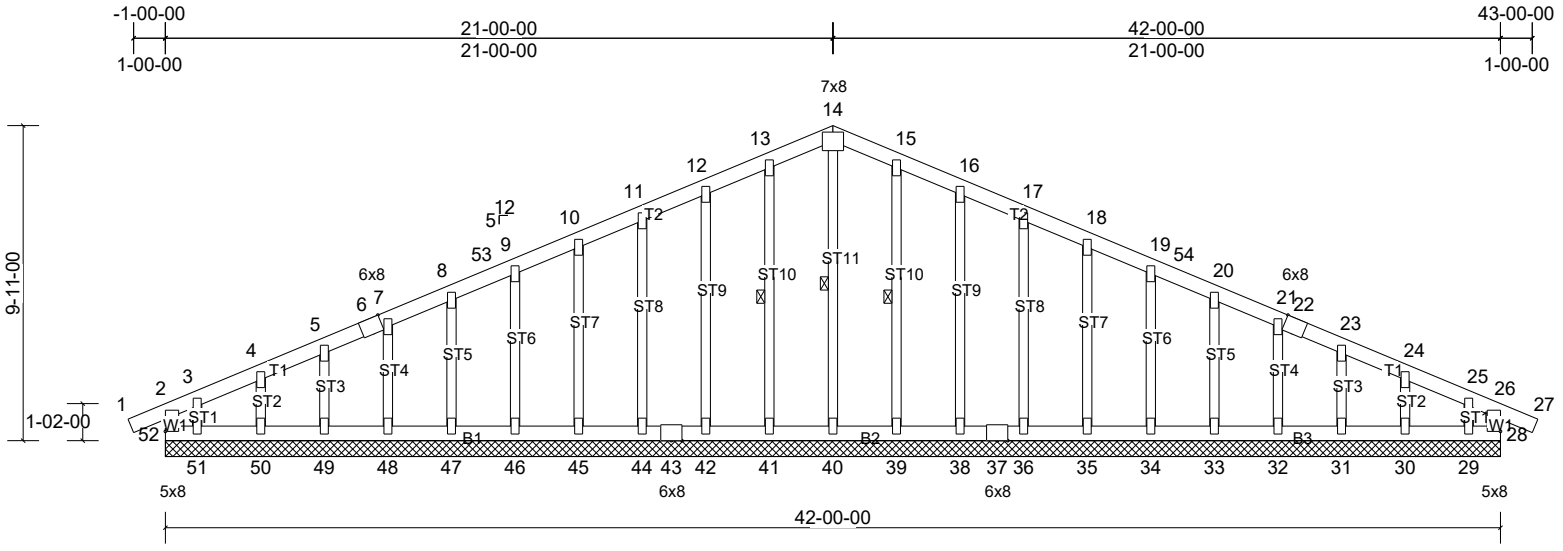


Scale = 1:72.8

Plate Offsets (X, Y): [6:3-14,Edge], [22:3-14,Edge], [28:Edge,3-08]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	95.5	Plate Grip DOL	1.00	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow = 124.0)		Lumber DOL	1.00	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.00	28	n/a	n/a		
BCLL	0.0	Code	IRC2021/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 274 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 1650F 1.5E
BOT CHORD	2x6 SPF 1650F 1.5E
WEBS	2x4 SPF No.2
OTHERS	2x4 SPF No.2 *Except* ST11,ST10:2x4 SPF 1650F 1.5E

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 14-40, 13-41, 15-39

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

REACTIONS All bearings 42-00-00.
(lb) - Max Horiz 52=-137 (LC 19)
Max Uplift All uplift 100 (lb) or less at joint(s) 28, 30, 31, 32, 33, 34, 35, 36, 38, 39, 41, 42, 44, 45, 46, 47, 48, 49, 50, 52 except 29=-133 (LC 15), 51=-169 (LC 14)
Max Grav All reactions 250 (lb) or less at joint(s) 29, 51 except 28=508 (LC 22), 30=480 (LC 22), 31=461 (LC 22), 32=463 (LC 1), 33=477 (LC 22), 34=624 (LC 22), 35=671 (LC 22), 36=665 (LC 22), 38=668 (LC 22), 39=688 (LC 22), 40=422 (LC 1), 41=688 (LC 21), 42=668 (LC 21), 44=665 (LC 21), 45=671 (LC 21), 46=624 (LC 21), 47=477 (LC 21), 48=463 (LC 1), 49=461 (LC 21), 50=480 (LC 21), 52=508 (LC 21)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-52=-484/72, 11-12=-139/270, 12-13=-150/314, 13-14=-163/343, 14-15=-163/343, 15-16=-150/314, 16-17=-139/270, 26-28=-484/68
WEBS 14-40=-381/20, 13-41=-648/52, 12-42=-628/92, 11-44=-624/82, 10-45=-630/81, 9-46=-584/82, 8-47=-436/82, 7-48=-422/82, 5-49=-421/81, 4-50=-436/108, 15-39=-648/50, 16-38=-628/92, 17-36=-624/82, 18-35=-630/81, 19-34=-584/82, 20-33=-436/82, 21-32=-422/82, 23-31=-421/81, 24-30=-436/108

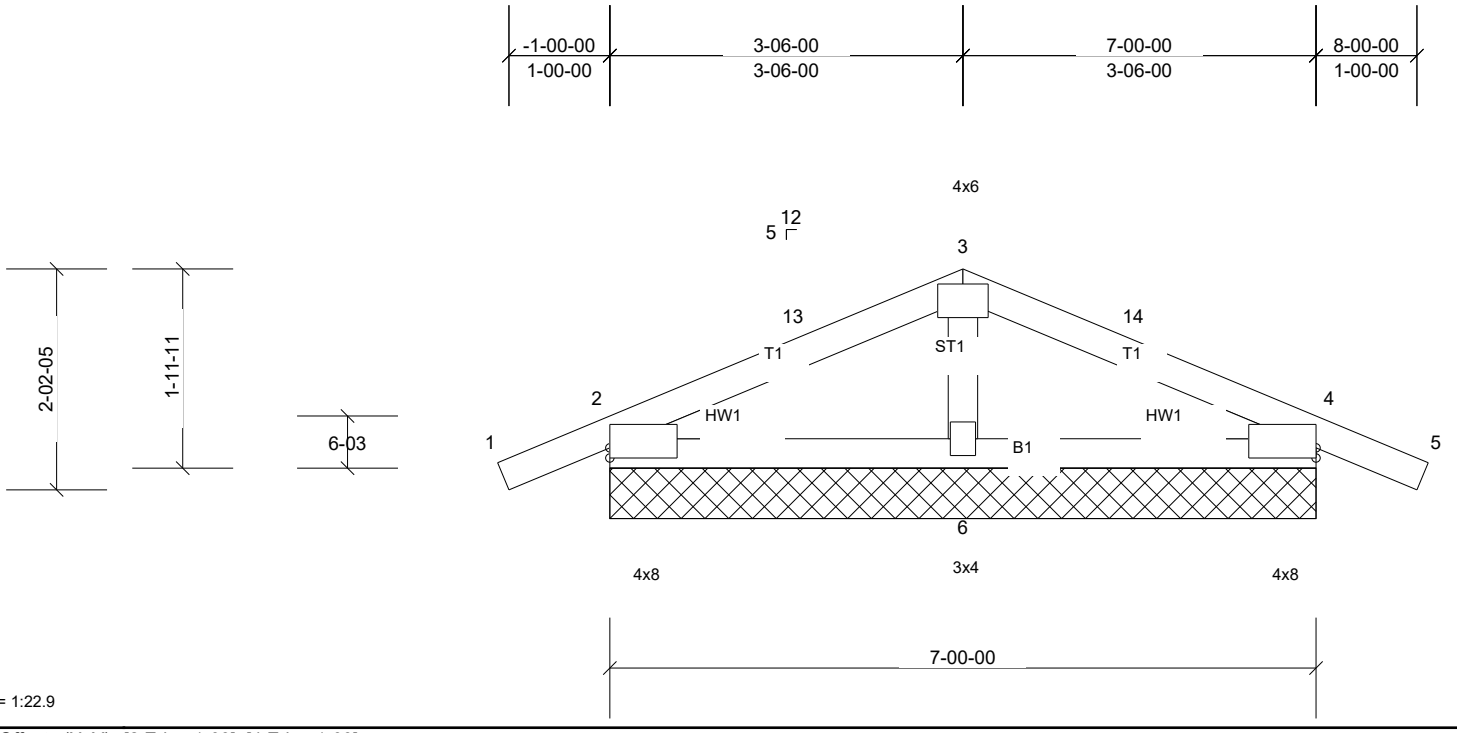
NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3E) -1-1-1 to 3-0-0, Exterior(2N) 3-0-0 to 21-0-0, Corner(3R) 21-0-0 to 25-0-0, Exterior(2N) 25-0-0 to 43-1-1 zone; cantilever left 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 7-16; Pg= 124.0 psf; Pf=95.5 psf (Lum DOL=1.00 Plate DOL=1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 95.5 psf on overhangs non-concurrent with other live loads.
6) All plates are 3x6 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
9) Gable studs spaced at 2-0-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 7

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 52, 28, 41, 42, 44, 45, 46, 47, 48, 49, 50, 39, 38, 36, 35, 34, 33, 32, 31, 30 except (jt=lb) 51=168, 29=133.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Feathered Elk Ranch
Q2400560	G01	Common Supported Gable	1	1	Job Reference (optional)



Scale = 1:22.9

Plate Offsets (X, Y): [2:Edge,1-03], [4:Edge,1-03]

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	95.5	Plate Grip DOL	1.00	TC	0.73	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow = 124.0)		Lumber DOL	1.00	BC	0.77	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	-0.02	4	n/a	n/a		
BCLL	0.0	Code	IRC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 23 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SPF 2100F 1.8E
BOT CHORD	2x4 SPF 1650F 1.5E
OTHERS	2x4 SPF No.2
WEDGE	Left: 2x4 SPF No.2 Right: 2x4 SPF No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 7-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 3-11-2 oc bracing.

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

REACTIONS All bearings 7-00-00.

(lb) - Max Horiz 2=33 (LC 14), 7=33 (LC 14)
Max Uplift All uplift 100 (lb) or less at joint(s) except 2=-646 (LC 22), 6=-132 (LC 15), 7=-646 (LC 22)
Max Grav All reactions 250 (lb) or less at joint(s) except 2=646 (LC 21), 6=2482 (LC 22), 7=646 (LC 21)

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

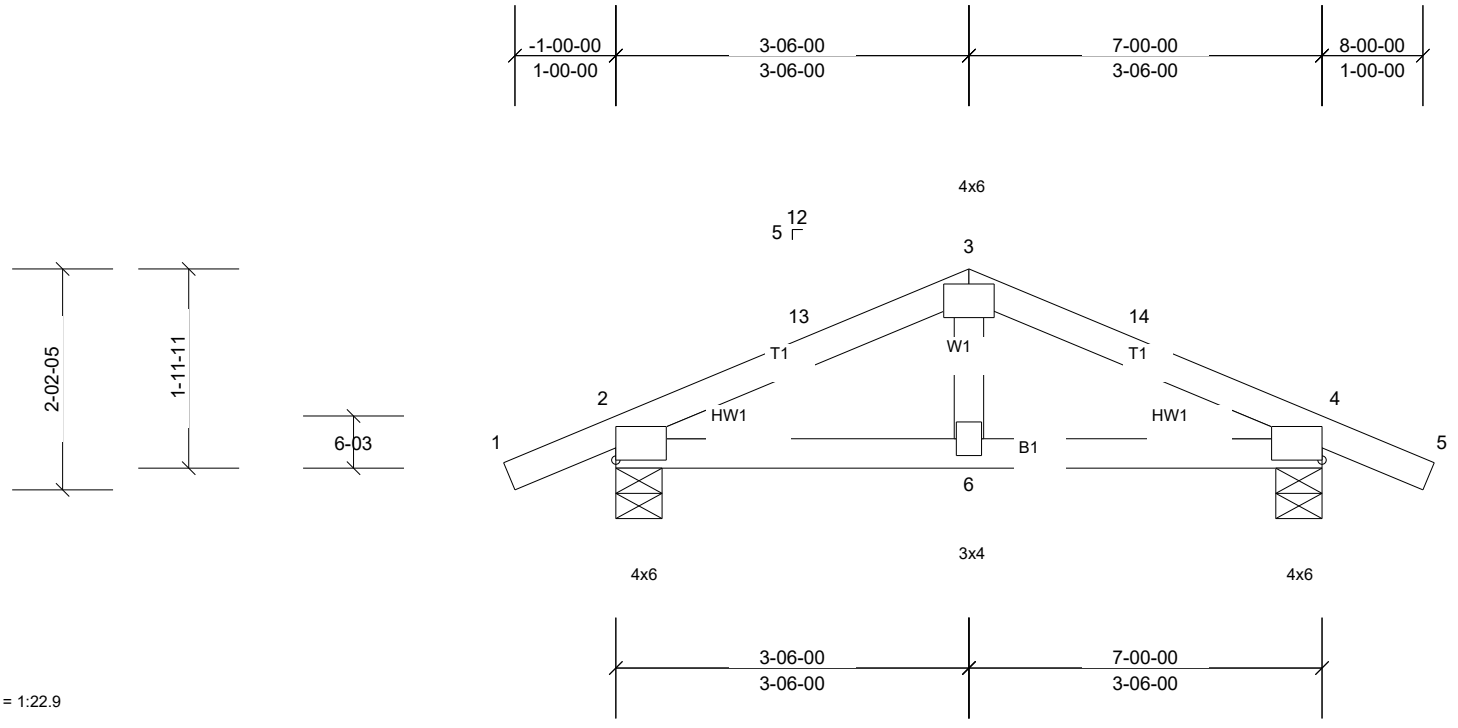
TOP CHORD	2-13=-469/1882, 3-13=-461/1928, 3-14=-462/2021, 4-14=-470/1881
BOT CHORD	2-6=-1737/548, 4-6=-1737/548
WEBS	3-6=-2050/563

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3E) -1-0-11 to 1-11-5, Exterior(2N) 1-11-5 to 3-6-0, Corner(3R) 3-6-0 to 7-0-0, Exterior(2N) 7-0-0 to 8-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) TCLL: ASCE 7-16; Pg= 124.0 psf; Pf=95.5 psf (Lum DOL=1.00 Plate DOL=1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 95.5 psf on overhangs non-concurrent with other live loads.
6) Gable requires continuous bottom chord bearing.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 646 lb uplift at joint 2, 131 lb uplift at joint 6 and 646 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Feathered Elk Ranch
Q2400560	G02	Common	1	1	Job Reference (optional)



Scale = 1:22.9

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	95.5	Plate Grip DOL	1.00	TC	0.41	Vert(LL)	-0.02	6-9	>999	240	MT20	197/144
(Ground Snow = 124.0)		Lumber DOL	1.00	BC	0.28	Vert(CT)	-0.02	6-9	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.01	4	n/a	n/a		
BCLL	0.0	Code	IRC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 23 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SPF 2100F 1.8E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 SPF No.2
WEDGE	Left: 2x4 SPF No.2 Right: 2x4 SPF No.2

BRACING

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

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

REACTIONS (lb/size) 2=1031/5-08, (min. 1-15), 4=1031/5-08, (min. 1-15)
Max Horiz 2=33 (LC 14)
Max Uplift 2=-66 (LC 14), 4=-66 (LC 15)
Max Grav 2=1241 (LC 21), 4=1241 (LC 22)

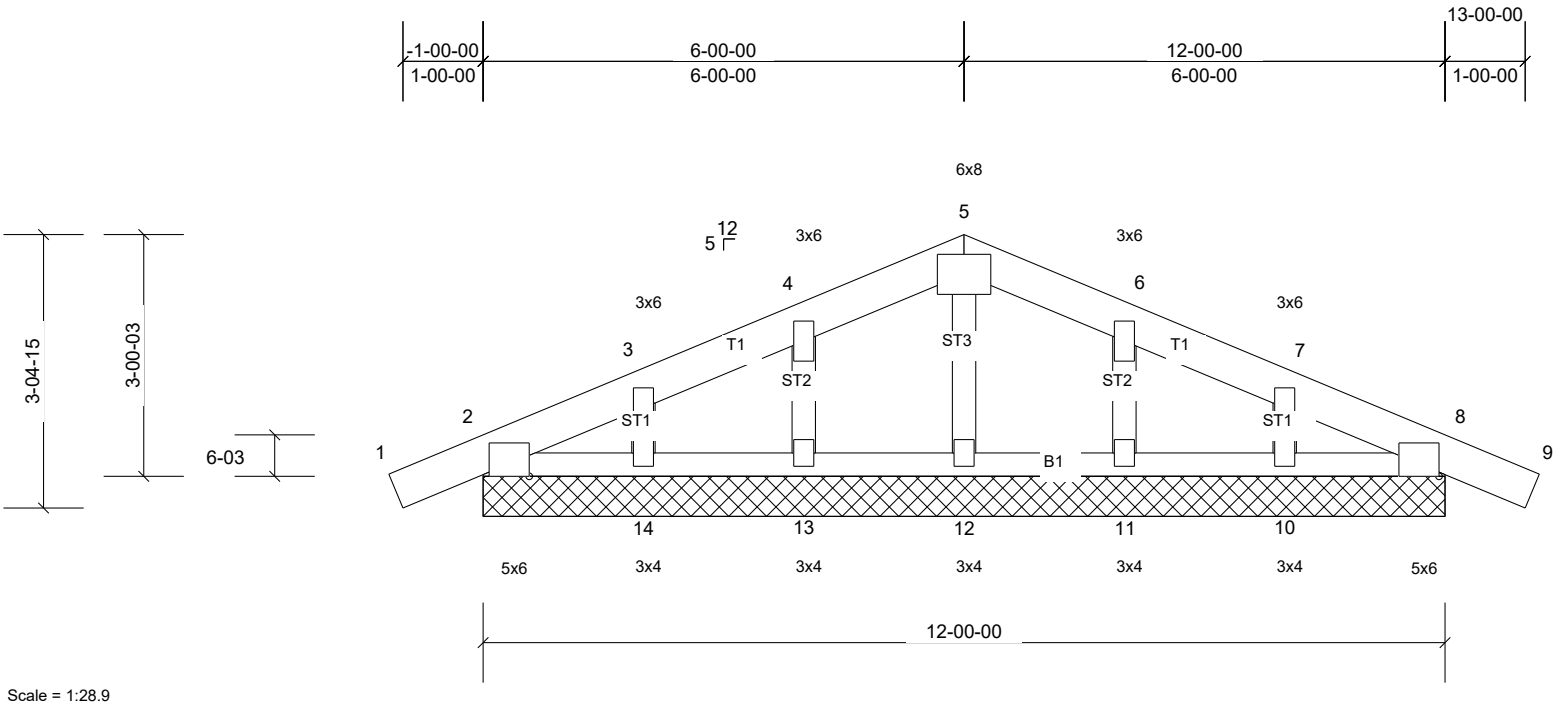
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-1019/212, 3-13=-859/195, 3-14=-859/195, 4-14=-1019/190
BOT CHORD 2-6=-111/793, 4-6=-83/793

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-0-11 to 1-11-5, Interior (1) 1-11-5 to 3-6-0, Exterior(2R) 3-6-0 to 7-0-0, Interior (1) 7-0-0 to 8-0-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-16; Pg= 124.0 psf; Pf=95.5 psf (Lum DOL=1.00 Plate DOL=1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 95.5 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 2 and 66 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Feathered Elk Ranch
Q2400560	H01	Common Supported Gable	1	1	Job Reference (optional)



Scale = 1:28.9

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	95.5	Plate Grip DOL	1.00	TC	0.13	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow = 124.0)		Lumber DOL	1.00	BC	0.03	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	8	n/a	n/a		
BCLL	0.0	Code	IRC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 49 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
OTHERS 2x4 SPF No.2

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

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

REACTIONS All bearings 12-00-00.
(lb) - Max Horiz 2=-52 (LC 15), 15=-52 (LC 15)
Max Uplift All uplift 100 (lb) or less at joint(s) 2, 8, 10, 11, 13, 14, 15, 19
Max Grav All reactions 250 (lb) or less at joint(s) except 2=722 (LC 21), 8=722 (LC 22), 10=589 (LC 22), 11=731 (LC 22), 12=348 (LC 1), 13=731 (LC 21), 14=589 (LC 21), 15=722 (LC 21), 19=722 (LC 22)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-12=-307/0, 4-13=-692/138, 3-14=-546/111, 6-11=-692/138, 7-10=-546/111

NOTES
1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Corner (3E) -1-1-1 to 2-0-0, Exterior(2N) 2-0-0 to 6-0-0, Corner(3R) 6-0-0 to 9-0-0, Exterior(2N) 9-0-0 to 13-1-1 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 7-16; Pg= 124.0 psf; Pf=95.5 psf (Lum DOL=1.00 Plate DOL=1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 95.5 psf on overhangs non-concurrent with other live loads.
6) Gable requires continuous bottom chord bearing.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 14, 11, 10, 2, 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Feathered Elk Ranch
Q2400560	H02	Common	5	1	Job Reference (optional)

Truss Craft Structural Components, LLC, Cheyenne, WY, 82007 Run: 8.73 S Mar 6 2024 Print: 8.730 S Mar 6 2024 MiTek Industries, Inc. Wed Mar 27 10:30:09 Page: 1

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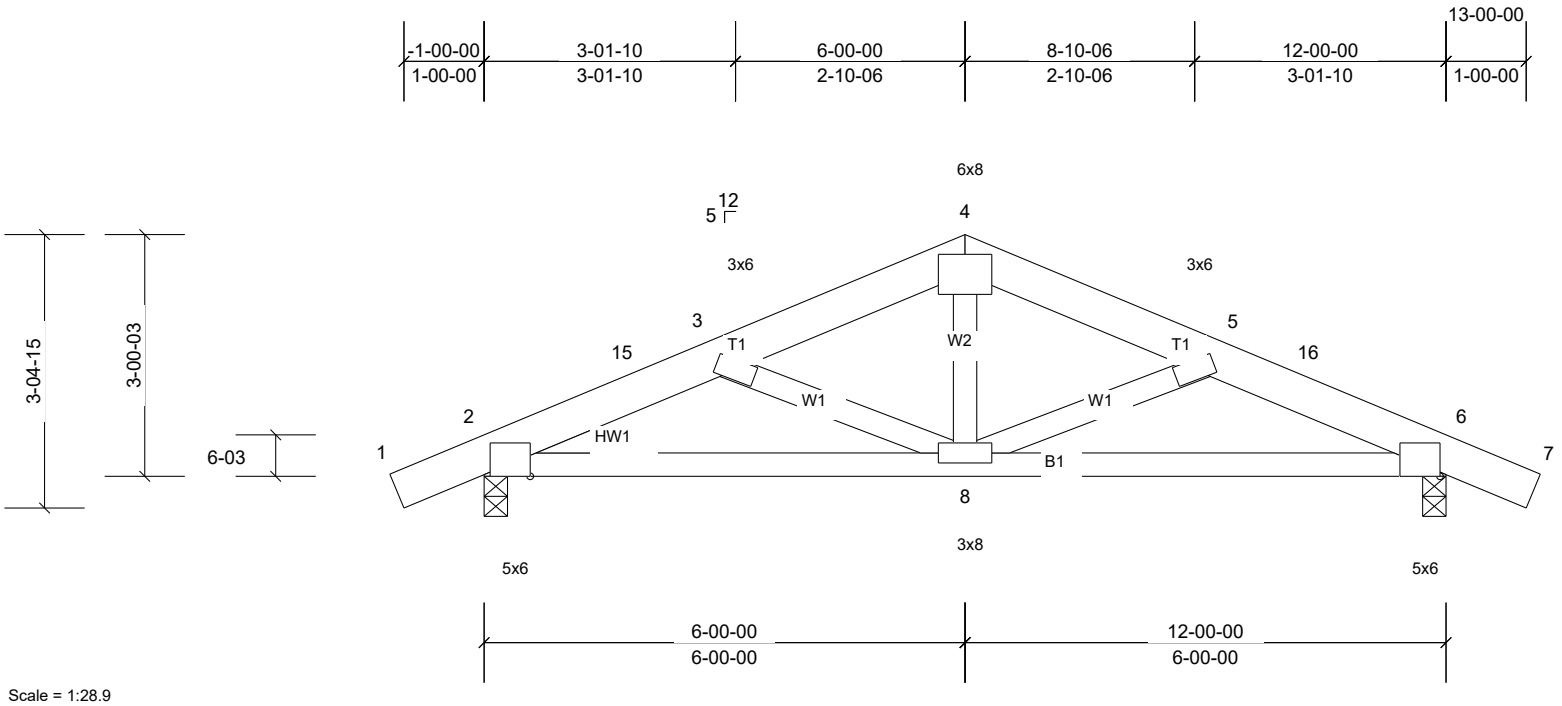

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Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	95.5	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.06	8	>999	240	MT20	197/144
(Ground Snow = 124.0)		Lumber DOL	1.00	BC	0.50	Vert(CT)	-0.07	8-11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.03	6	n/a	n/a		
BCLL	0.0	Code	IRC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 52 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 SPF No.2
WEDGE	Left: 2x4 SPF No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-4-4 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=1615/3-08, (min. 3-01), 6=1615/3-08, (min. 3-01)
Max Horiz 2=-52 (LC 15)
Max Uplift 2=-95 (LC 14), 6=-95 (LC 15)
Max Grav 2=1961 (LC 21), 6=1961 (LC 22)

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

TOP CHORD	2-15=-2723/332, 3-15=-2574/342, 3-4=-1778/244, 4-5=-1778/244, 5-16=-2574/342, 6-16=-2723/332
BOT CHORD	2-8=-252/2381, 6-8=-251/2381
WEBS	4-8=-47/614, 3-8=-1037/172, 5-8=-1037/172

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-1-1 to 1-10-15, Interior (1) 1-10-15 to 6-0-0, Exterior(2R) 6-0-0 to 9-1-12, Interior (1) 9-1-12 to 13-1-1 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 7-16; Pg= 124.0 psf; Pf=95.5 psf (Lum DOL=1.00 Plate DOL=1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 95.5 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 95 lb uplift at joint 2 and 95 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Feathered Elk Ranch
Q2400560	H03	Common	1	1	Job Reference (optional)

Truss Craft Structural Components, LLC, Cheyenne, WY, 82007 Run: 8.73 S Mar 6 2024 Print: 8.730 S Mar 6 2024 MiTek Industries, Inc. Wed Mar 27 10:30:09 Page: 1

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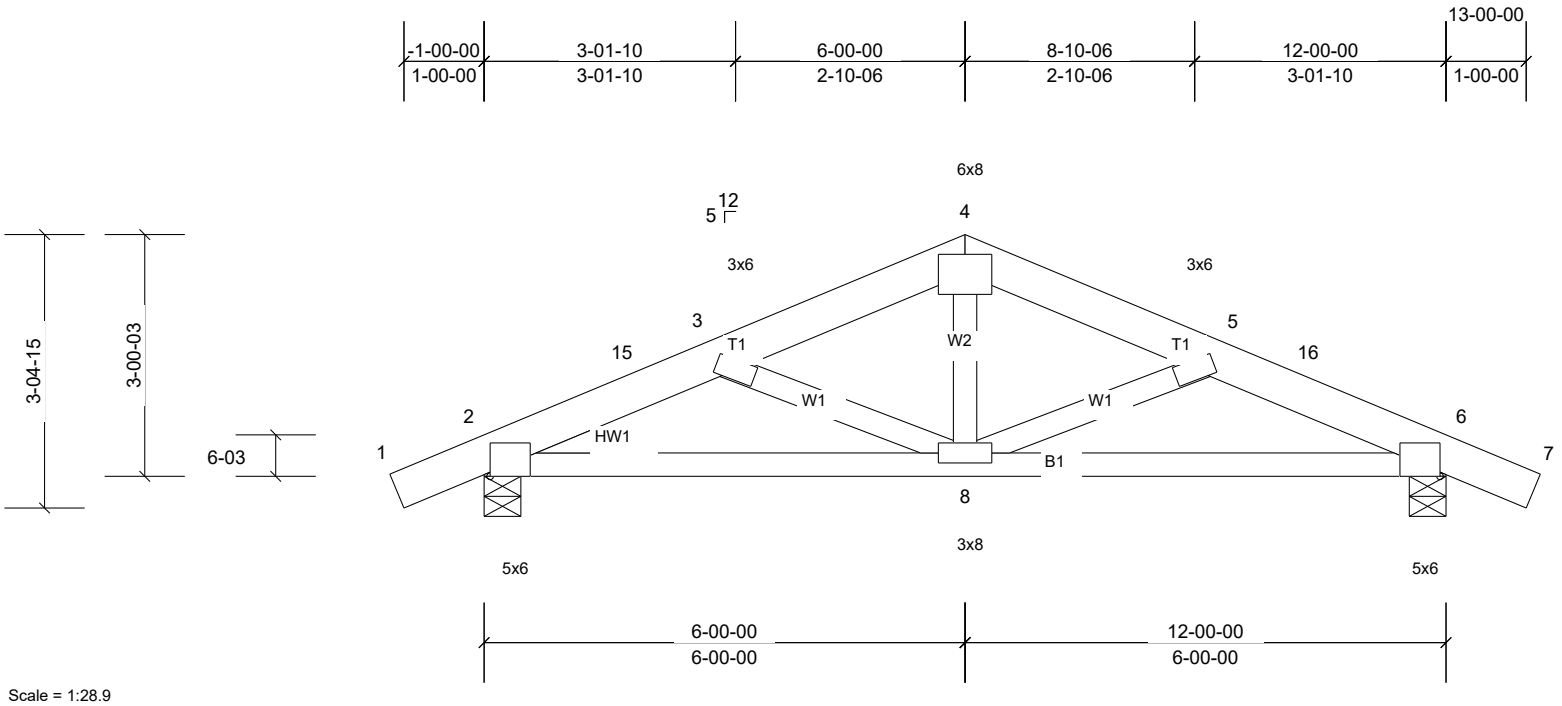

Scale = 1:28.9

Loading	(psf)	Spacing	2-00-00	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	95.5	Plate Grip DOL	1.00	TC	0.27	Vert(LL)	-0.06	8	>999	240	MT20	197/144
(Ground Snow = 124.0)		Lumber DOL	1.00	BC	0.50	Vert(CT)	-0.07	8-11	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.03	6	n/a	n/a		
BCLL	0.0	Code	IRC2021/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 52 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SPF 1650F 1.5E
BOT CHORD	2x4 SPF 1650F 1.5E
WEBS	2x4 SPF No.2
WEDGE	Left: 2x4 SPF No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-4-4 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=1615/5-08, (min. 3-01), 6=1615/5-08, (min. 3-01)
Max Horiz 2=52 (LC 14)
Max Uplift 2=-95 (LC 14), 6=-95 (LC 15)
Max Grav 2=1961 (LC 21), 6=1961 (LC 22)

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

TOP CHORD	2-15=-2723/332, 3-15=-2574/342, 3-4=-1778/244, 4-5=-1778/244, 5-16=-2574/342, 6-16=-2723/332
BOT CHORD	2-8=-252/2381, 6-8=-251/2381
WEBS	4-8=-47/614, 3-8=-1037/172, 5-8=-1037/172

NOTES

1) Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior zone and C-C Exterior(2E) -1-1-1 to 1-10-15, Interior (1) 1-10-15 to 6-0-0, Exterior(2R) 6-0-0 to 9-1-12, Interior (1) 9-1-12 to 13-1-1 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 7-16; Pg= 124.0 psf; Pf=95.5 psf (Lum DOL=1.00 Plate DOL=1.00); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 16.0 psf or 1.00 times flat roof load of 95.5 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 95 lb uplift at joint 2 and 95 lb uplift at joint 6.

LOAD CASE(S) Standard