Job	Truss	Truss Type	Qty	Ply	CWEH - Fong B25000499
B	A1	Common Supported Gable	1	1	Job Reference (optional)

PARR Truss Woodinville, Inc., Woodinville, WA, user — Run: 8.82 S Sep 12 2024 Print: 8.820 S Sep 12 2024 MiTek Industries, Inc. Mon Apr 28 10:38:49 — Page: 1

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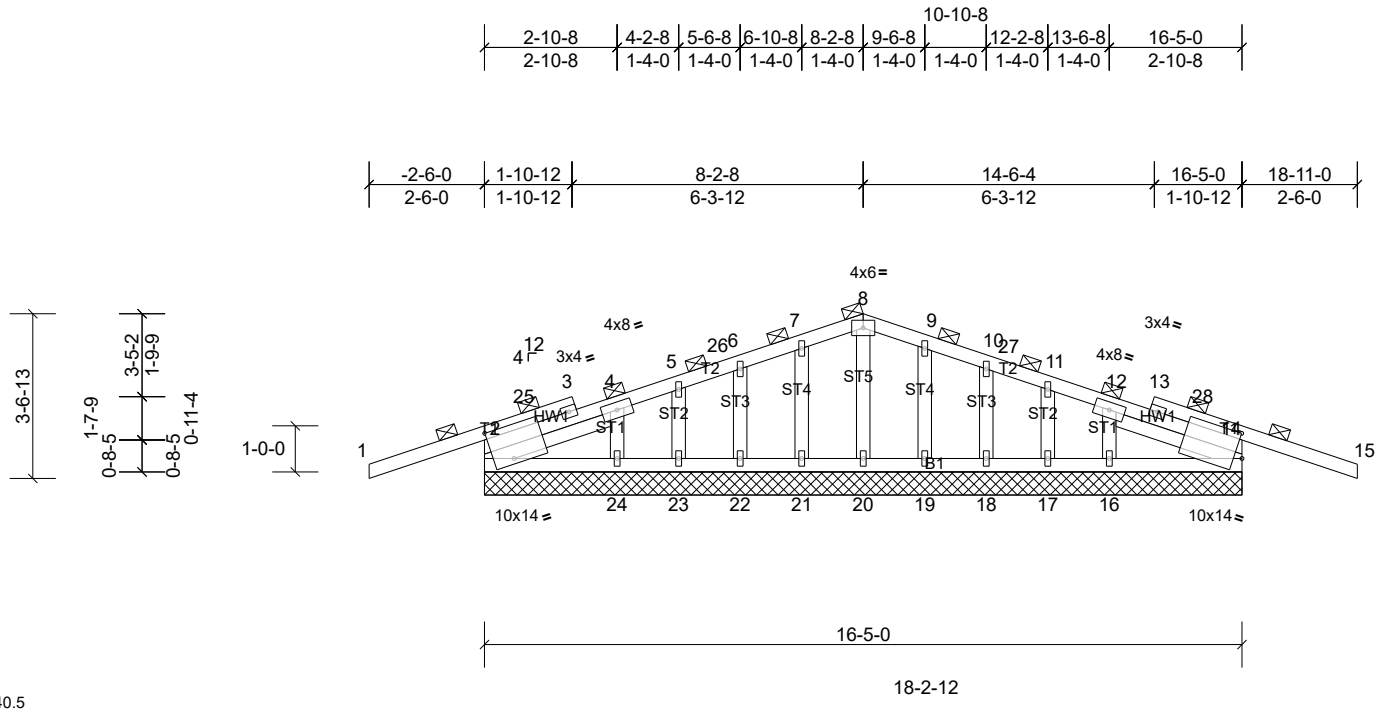


Scale = 1:40.5

Plate Offsets (X, Y): [2:0-5-3,0-8-10], [14:0-2-2,0-6-3]

Loading	(psf)	Spacing	3-6-12	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.15	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.05	Horz(CT)	0.00	14	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 90 lb	FT = 20%

LUMBER

TOP CHORD	2x4 DF 2400F 2.0E *Except* T2:2x4 DF No.2
BOT CHORD	2x4 DF No.2
OTHERS	2x4 DF No.2
SLIDER	Left 2x4 DF No.2 -- 2-10-14, Right 2x4 DF No.2 -- 2-10-14

BRACING

TOP CHORD	2-0-0 oc purlins (4-5-10 max.) (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS All bearings 16-5-0.

(lb) - Max Horiz 2=44 (LC 13)

Max Uplift All uplift 100 (lb) or less at joint(s) 17, 18, 19, 21, 22, 23 except 2=-158 (LC 14), 14=-158 (LC 14), 16=-224 (LC 18), 24=-224 (LC 18)

Max Grav All reactions 250 (lb) or less at joint(s) 20 except 2=1011 (LC 18), 14=1011 (LC 18), 16=254 (LC 20), 17=299 (LC 20), 18=290 (LC 20), 19=308 (LC 20), 21=308 (LC 19), 22=290 (LC 19), 23=299 (LC 19), 24=254 (LC 19)

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

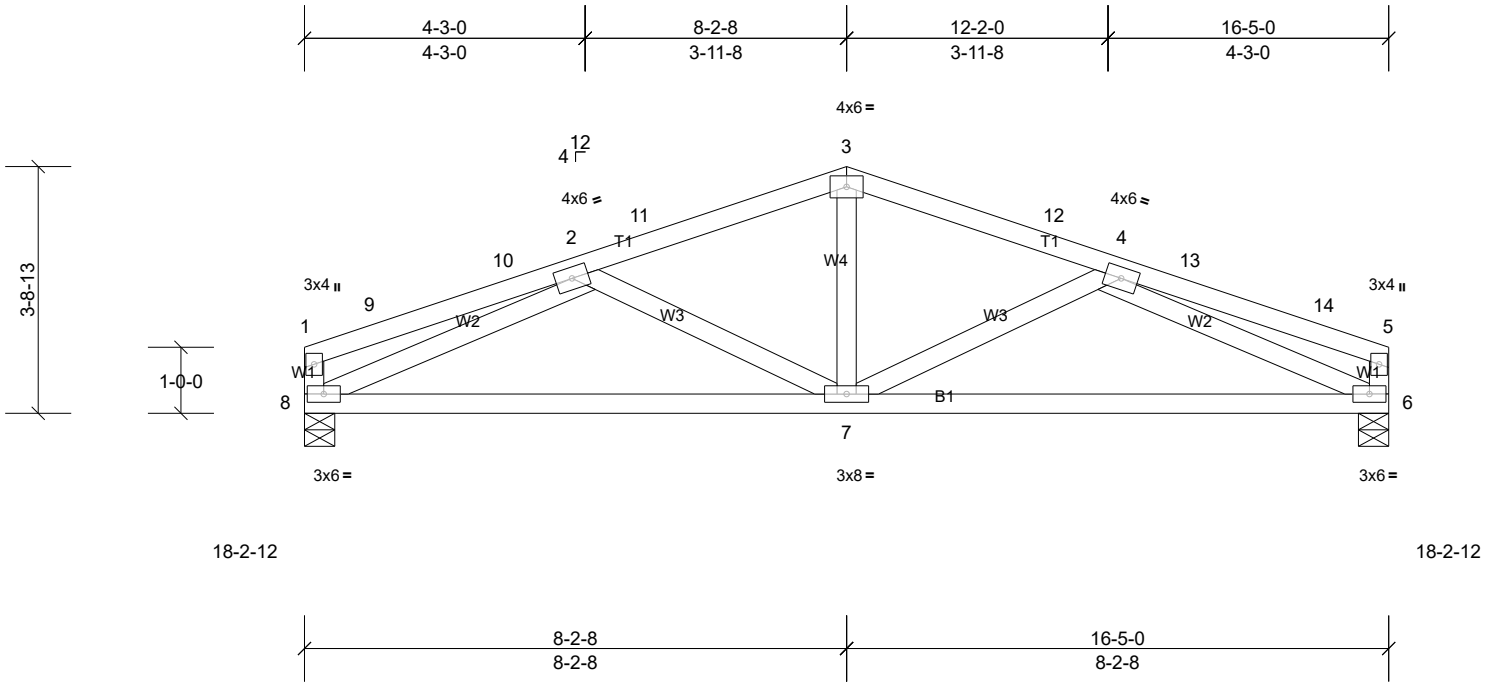
WEBS 7-21=-261/88, 5-23=-255/85, 4-24=-194/253, 9-19=-261/88, 11-17=-255/85, 12-16=-194/253

NOTES

1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=5.5psf; BCDL=4.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -2-6-0 to 0-2-12, Exterior(2N) 0-2-12 to 8-2-8, Corner(3R) 8-2-8 to 11-2-8, Exterior(2N) 11-2-8 to 18-11-0 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) 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; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00; IBC 1607.11.2 minimum roof live load applied where required.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
6) All plates are 1.5x4 (||) MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 1-4-0 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 3-06-00 tall by 2-00-00 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 100 lb uplift at joint(s) 21, 22, 23, 19, 18, 17 except (jt=lb) 2=157, 14=157, 24=224, 16=224.
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	CWEH - Fong B25000499
B	A2	Common	1	1	Job Reference (optional)



Scale = 1:34

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.26	Vert(LL)	-0.08	6-7	>999	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.54	Vert(CT)	-0.16	6-7	>999	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.02	6	n/a	n/a		
BCLL	0.0 *	Code	IBC2021/TPI2014	Matrix-MS		Wind(LL)	0.01	7	>999	240		
BCDL	10.0										Weight: 75 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2

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

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

REACTIONS (lb/size) 6=726/0-5-8, (min. 0-1-8), 8=726/0-5-8, (min. 0-1-8)
Max Horiz 8=38 (LC 13)
Max Uplift 6=-13 (LC 14), 8=-13 (LC 14)
Max Grav 6=824 (LC 19), 8=824 (LC 18)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-1012/123, 3-11=-951/136, 3-12=-951/136, 4-12=-1012/123
BOT CHORD 7-8=-158/1201, 6-7=-144/1201
WEBS 3-7=-4/354, 4-7=-350/93, 2-7=-350/93, 2-8=-1148/159, 4-6=-1148/159

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=5.5psf; BCDL=4.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior (1) 3-1-12 to 8-2-8, Exterior(2R) 8-2-8 to 11-2-8, Interior (1) 11-2-8 to 16-3-4 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 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00; IBC 1607.11.2 minimum roof live load applied where required.
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 13 lb uplift at joint 8 and 13 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CWEH - Fong B25000499
B	A3	Common Girder	1	2	Job Reference (optional)

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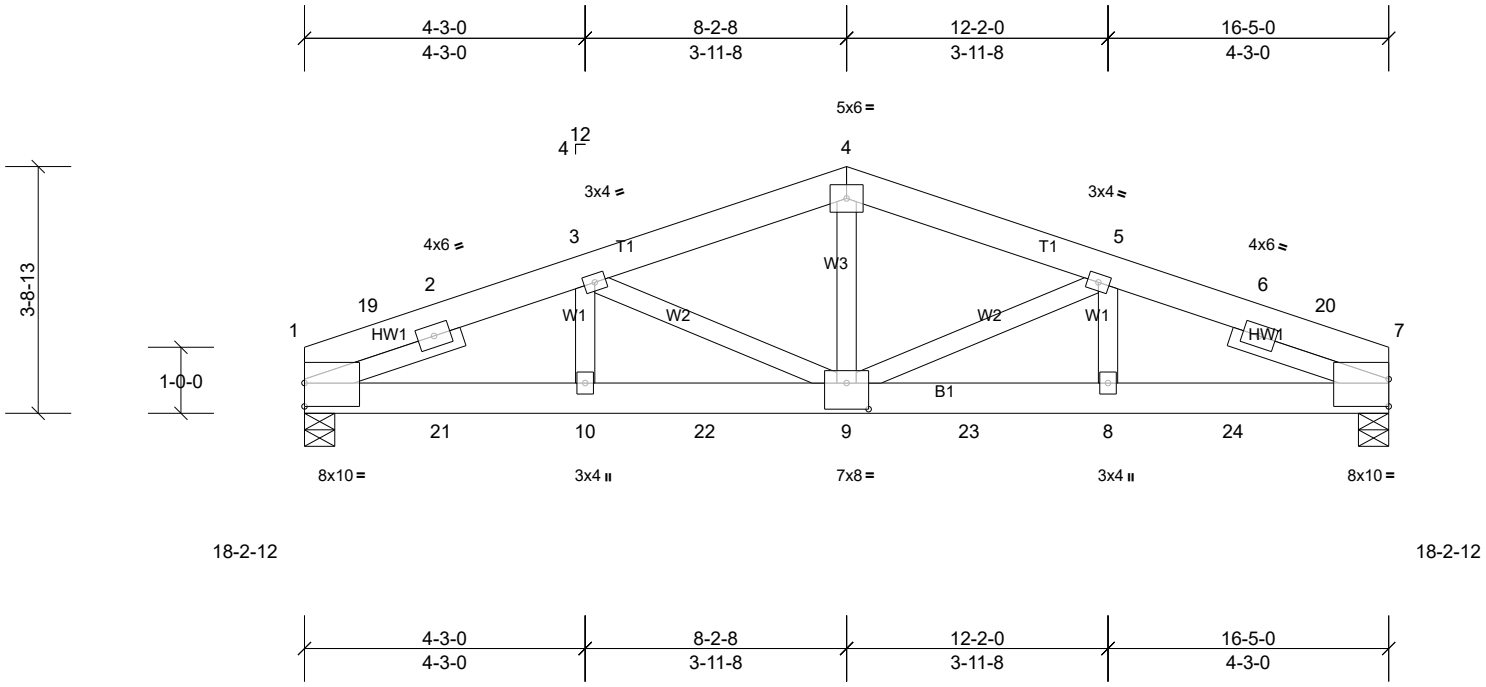

Scale = 1:34

Plate Offsets (X, Y): [1:Edge,0-4-4], [7:Edge,0-4-15], [9:0-4-0,0-4-12]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.12	8-9	>999	360	MT20	185/148
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.56	Vert(CT)	-0.20	8-9	>962	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.42	Horz(CT)	0.05	7	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-MS		Wind(LL)	0.05	8-9	>999	240		
BCDL	10.0										Weight: 185 lb	FT = 20%

LUMBER

TOP CHORD	2x6 HF No.2
BOT CHORD	2x6 DF 2400F 2.0E
WEBS	2x4 DF No.2
SLIDER	Left 2x4 DF No.2 -- 2-6-0, Right 2x4 DF No.2 -- 2-6-0

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-4-3 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=5149/0-5-8, (min. 0-2-10), 7=5060/0-5-8, (min. 0-2-9)
Max Horiz 1=-21 (LC 8)
Max Uplift 1=-114 (LC 10), 7=-112 (LC 10)
Max Grav 1=5245 (LC 14), 7=5156 (LC 15)

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

TOP CHORD	1-19=-5056/110, 2-19=-4895/113, 2-3=-9680/227, 3-4=-8107/206, 4-5=-8107/206, 5-6=-9674/226, 6-20=-4855/112, 7-20=-4886/109
BOT CHORD	1-21=-189/8966, 10-21=-189/8966, 10-22=-189/8966, 9-22=-189/8966, 9-23=-189/8958, 8-23=-189/8958, 8-24=-189/8958, 7-24=-189/8958
WEBS	3-10=-14/1594, 3-9=-1408/47, 4-9=-81/4357, 5-9=-1398/47, 5-8=-14/1600

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 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-8-0 oc.
Web connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=5.5psf; BCDL=4.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00; IBC 1607.11.2 minimum roof live load applied where required.
5) Unbalanced snow loads have been considered for this design.
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 3-06-00 tall by 2-00-00 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 114 lb uplift at joint 1 and 112 lb uplift at joint 7.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1247 lb down and 28 lb up at 2-0-12, 1247 lb down and 28 lb up at 4-0-12, 1247 lb down and 28 lb up at 6-0-12, 1247 lb down and 28 lb up at 8-0-12, 1247 lb down and 28 lb up at 10-0-12, and 1247 lb down and 28 lb up at 12-0-12, and 1247 lb down and 28 lb up at 14-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (lb/ft)

Continued on page 2

Vert: 1-4=-70, 4-7=-70, 11-15=-20

Concentrated Loads (lb)

Vert: 10=-1247 (F), 9=-1247 (F), 8=-1247 (F), 21=-1247 (F), 22=-1247 (F), 23=-1247 (F), 24=-1247 (F)

Job	Truss	Truss Type	Qty	Ply	CWEH - Fong B25000499
B	B1	Scissor Supported Gable	1	1	Job Reference (optional)

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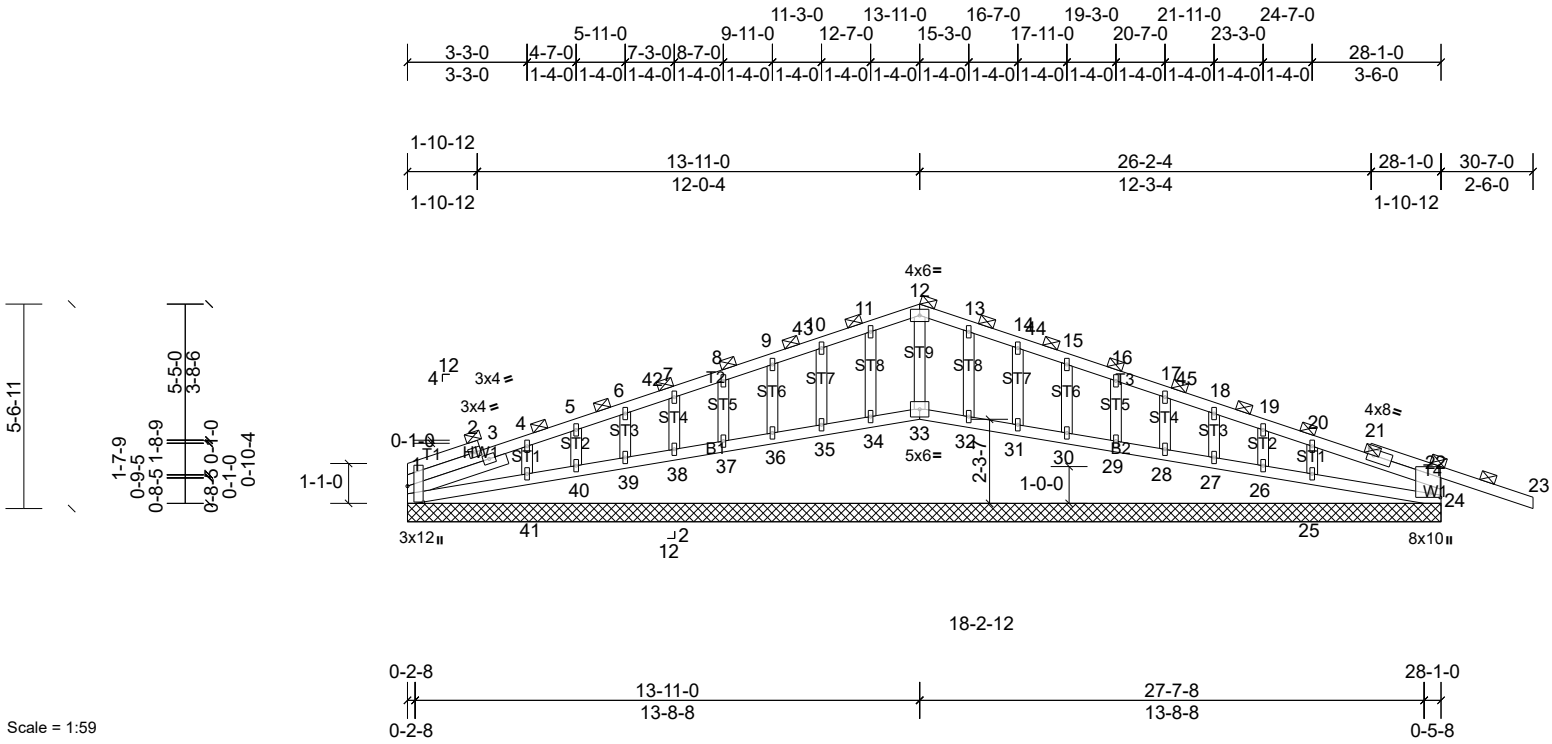


Plate Offsets (X, Y): [1:0-5-3,Edge], [24:0-1-4,0-3-4]

Loading	(psf)	Spacing	3-6-12	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.05	Horz(CT)	0.00	24	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-MS								
BCDL	10.0										Weight: 131 lb	FT = 20%

LUMBER

TOP CHORD	2x4 DF No.2 *Except* T4:2x4 DF 2400F 2.0E
BOT CHORD	2x4 DF No.2
WEBS	2x4 DF No.2
OTHERS	2x4 DF No.2
SLIDER	Left 2x4 DF No.2 -- 2-10-8

BRACING

TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 28-1-0.

(lb) - Max Horiz 1=-83 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 26, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40, 41 except 24=-146 (LC 14), 25=-151 (LC 18)

Max Grav All reactions 250 (lb) or less at joint(s) 1, 26, 27, 33, 39, 40 except 24=898 (LC 18), 25=291 (LC 5), 28=274 (LC 20), 29=296 (LC 20), 30=293 (LC 20), 31=289 (LC 20), 32=313 (LC 20), 34=313 (LC 19), 35=290 (LC 19), 36=293 (LC 19), 37=297 (LC 19), 38=272 (LC 19), 41=435 (LC 1)

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

TOP CHORD 22-24=-810/163

WEBS 11-34=-262/85, 4-41=-327/69, 13-32=-262/83

NOTES

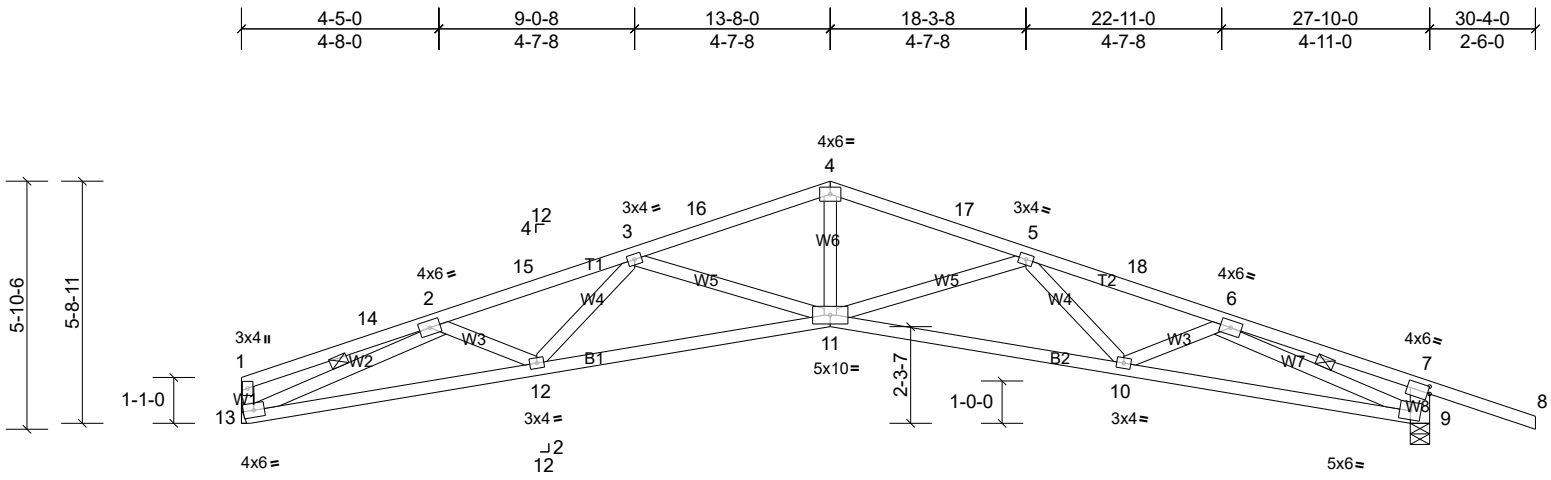
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=5.5psf; BCDL=4.0psf; h=25ft; B=45ft; L=28ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) 0-2-15 to 3-3-0, Exterior(2N) 3-3-0 to 13-11-0, Corner(3R) 13-11-0 to 16-11-0, Exterior(2N) 16-11-0 to 30-7-0 zone; 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) 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; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00; IBC 1607.11.2 minimum roof live load applied where required.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
6) All plates are 1.5x4 (||) MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 1-4-0 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 3-06-00 tall by 2-00-00 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 100 lb uplift at joint(s) 1, 34, 35, 36, 37, 38, 39, 40, 41, 32, 31, 30, 29, 28, 27, 26 except (jt=lb) 24=146, 25=151.
12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1, 33, 34, 35, 36, 37, 38, 39, 40, 41, 32, 31, 30, 29, 28, 27, 26, 25.

Continued on page 2

13) 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	CWEH - Fong B25000499
B	B2	Scissor	7	1	Job Reference (optional)



Scale = 1:59.4

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.27	10-11	>999	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.51	10-11	>648	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.28	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-MS		Wind(LL)	0.10	10-11	>999	240		
BCDL	10.0										Weight: 131 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2 *Except* W8:2x6 HF No.2

REACTIONS (lb/size) 9=1447/0-5-8, (min. 0-1-8), 13=1237/ Mechanical, (min. 0-1-8)
Max Horiz 13=-65 (LC 12)
Max Uplift 9=-80 (LC 14), 13=-20 (LC 14)
Max Grav 9=1474 (LC 20), 13=1267 (LC 19)

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-13, 6-9

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 1-14=-286/37, 2-15=-3502/241, 3-15=-3452/250, 3-16=-2939/223, 4-16=-2884/233, 4-17=-2884/237, 5-17=-2940/227, 5-18=-3420/303, 6-18=-3459/288, 6-7=-217/310, 7-9=-441/200
BOT CHORD 12-13=-165/3058, 11-12=-154/3370, 10-11=-169/3356, 9-10=-253/3006
WEBS 4-11=-72/1527, 5-11=-752/112, 6-10=0/375, 3-11=-753/96, 2-12=0/367, 2-13=-3141/227, 6-9=-3195/337

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=5.5psf; BCDL=4.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-4-12 to 3-4-12, Interior (1) 3-4-12 to 14-2-0, Exterior(2R) 14-2-0 to 17-2-0, Interior (1) 17-2-0 to 30-10-0 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 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00; IBC 1607.11.2 minimum roof live load applied where required.
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 13 and 80 lb uplift at joint 9.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CWEH - Fong B25000499
B	B2X	Scissor	1	1	Job Reference (optional)

PARR Truss Woodinville, Inc., Woodinville, WA, user — Run: 8.82 S Sep 12 2024 Print: 8.820 S Sep 12 2024 MiTek Industries, Inc. Mon Apr 28 10:38:51 — Page: 1

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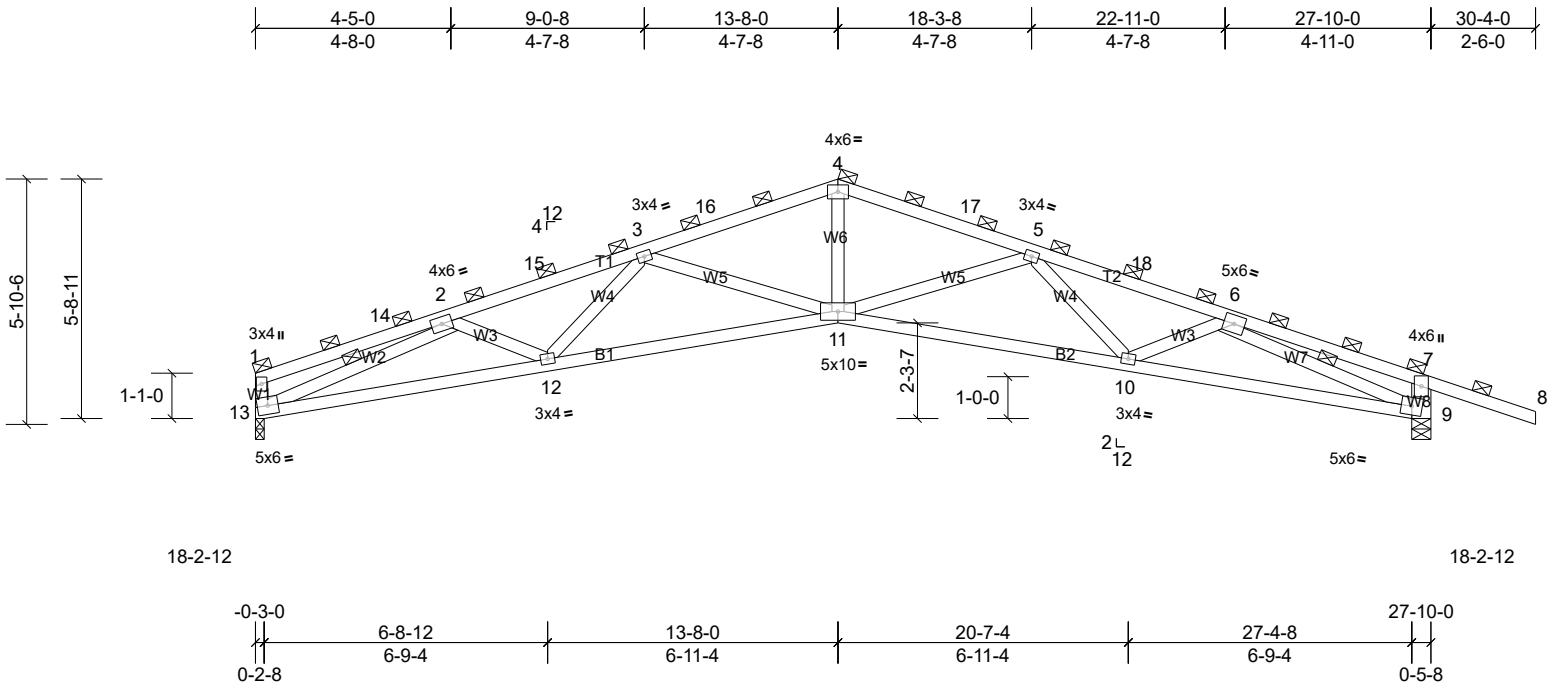


Scale = 1:60

Loading	(psf)	Spacing	2-0-8	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	-0.26	10-11	>999	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.87	Vert(CT)	-0.51	11-12	>649	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.47	Horz(CT)	0.29	9	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-MS		Wind(LL)	0.10	11-12	>999	240		
BCDL	10.0										Weight: 131 lb	FT = 20%

LUMBER

TOP CHORD	2x4 DF No.2 *Except* T2:2x4 DF No.1&Btr
BOT CHORD	2x4 DF No.2
WEBS	2x4 DF No.2 *Except* W8:2x6 HF No.2

BRACING

TOP CHORD	2-0-0 oc purlins (2-11-12 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 2-13, 6-9

REACTIONS (lb/size) 9=1477/0-5-8, (min. 0-1-8), 13=1263/0-2-8, (min. 0-1-8)
Max Horiz 13=-67 (LC 12)
Max Uplift 9=-82 (LC 14), 13=-21 (LC 14)
Max Grav 9=1505 (LC 20), 13=1294 (LC 19)

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

TOP CHORD 1-14=-292/37, 2-15=-3575/246, 3-15=-3524/255, 3-16=-3001/228, 4-16=-2944/238, 4-17=-2944/242, 5-17=-3001/231, 5-18=-3489/309, 6-18=-3529/294, 6-7=-233/304, 7-9=-461/205

BOT CHORD 12-13=-168/3122, 11-12=-157/3440, 10-11=-173/3426, 9-10=-258/3063

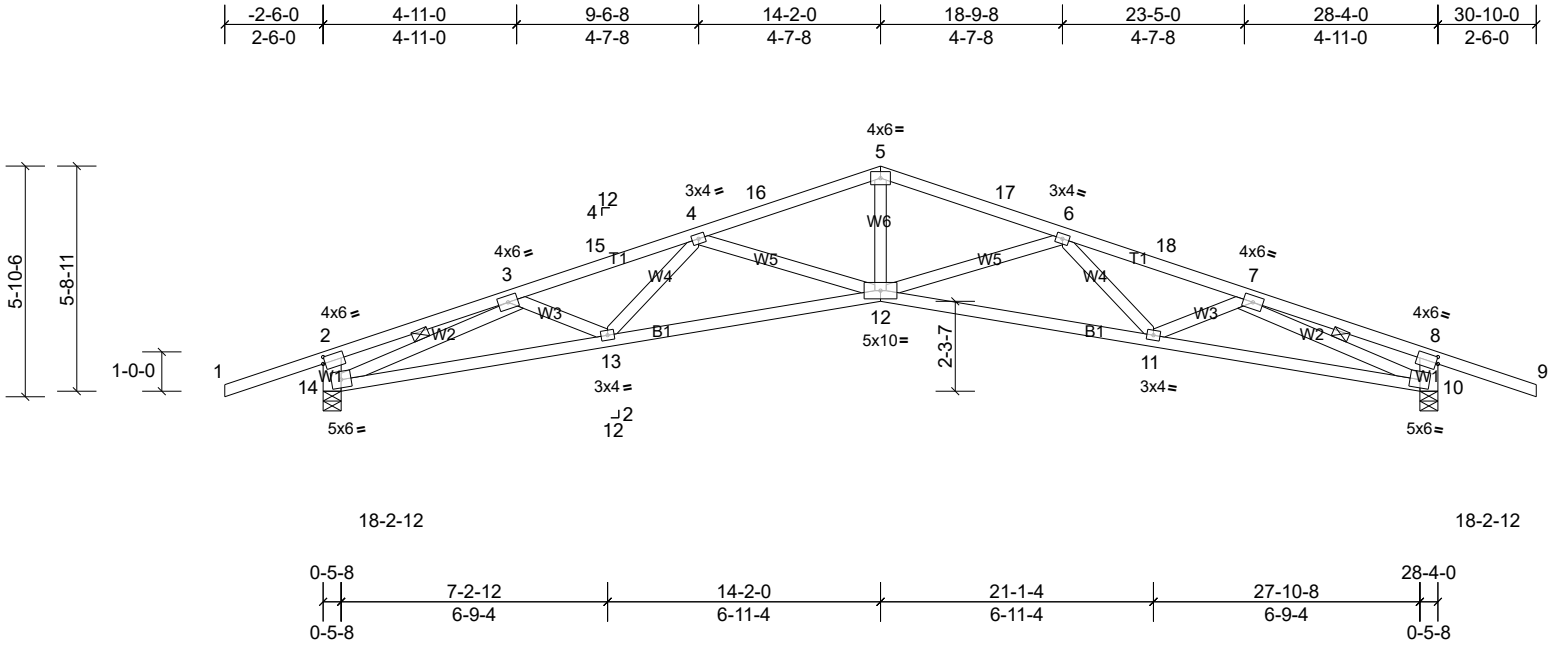
WEBS 4-11=-73/1559, 5-11=-768/114, 6-10=0/386, 3-11=-768/98, 2-12=0/375, 2-13=-3207/232, 6-9=-3236/341

NOTES

1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=5.5psf; BCDL=4.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) 0-4-12 to 3-4-12, Interior (1) 3-4-12 to 14-2-0, Exterior(2R) 14-2-0 to 17-2-0, Interior (1) 17-2-0 to 30-10-0 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 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00; IBC 1607.11.2 minimum roof live load applied where required.
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 13, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 13.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 13 and 82 lb uplift at joint 9.
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	CWEH - Fong B25000499
B	B3	Scissor	10	1	Job Reference (optional)



Scale = 1:58.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.27	12-13	>999	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.77	Vert(CT)	-0.52	12-13	>645	240		
TCDL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.29	10	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-MS		Wind(LL)	0.10	12-13	>999	240		
BCDL	10.0										Weight: 135 lb	FT = 20%

LUMBER
TOP CHORD 2x4 DF No.2
BOT CHORD 2x4 DF No.2
WEBS 2x4 DF No.2 *Except* W1:2x6 HF No.2

REACTIONS (lb/size) 10=1445/0-5-8, (min. 0-1-8), 14=1445/0-5-8, (min. 0-1-8)
Max Horiz 14=-63 (LC 12)
Max Uplift 10=-78 (LC 14), 14=-78 (LC 14)
Max Grav 10=1475 (LC 20), 14=1475 (LC 19)

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-14, 7-10

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 2-3=-217/313, 3-15=-3463/233, 4-15=-3424/242, 4-16=-2931/220, 5-16=-2875/231, 5-17=-2875/235, 6-17=-2931/224, 6-18=-3424/301, 7-18=-3463/286, 7-8=-217/313, 2-14=-441/107, 8-10=-441/200
BOT CHORD 13-14=-154/3010, 12-13=-150/3360, 11-12=-167/3360, 10-11=-252/3010
WEBS 5-12=-71/1524, 6-12=-751/112, 7-11=0/374, 4-12=-751/95, 3-13=0/374, 3-14=-3198/263, 7-10=-3198/336

NOTES
1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=5.5psf; BCDL=4.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -2-6-0 to 0-2-12, Interior (1) 0-2-12 to 14-2-0, Exterior(2R) 14-2-0 to 17-2-0, Interior (1) 17-2-0 to 30-10-0 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 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00; IBC 1607.11.2 minimum roof live load applied where required.
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 14, 10 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 78 lb uplift at joint 14 and 78 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CWEH - Fong B25000499
B	B3X	Scissor	1	1	Job Reference (optional)

PARR Truss Woodinville, Inc., Woodinville, WA, user — Run: 8.82 S Sep 12 2024 Print: 8.820 S Sep 12 2024 MiTek Industries, Inc. Mon Apr 28 10:38:52 — Page: 1

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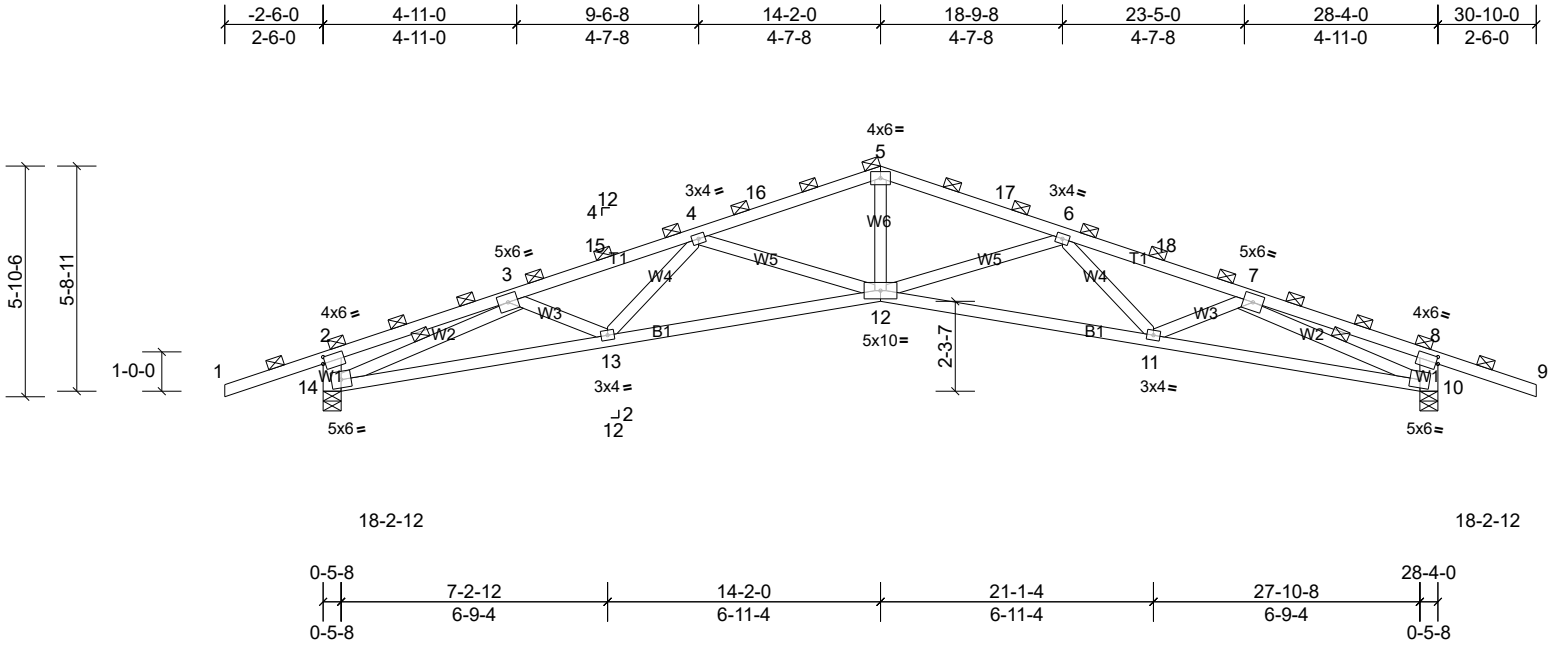


Scale = 1:58.2

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

Loading	(psf)	Spacing	2-0-8	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.77	Vert(LL)	-0.26	12-13	>999	360	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.86	Vert(CT)	-0.51	12-13	>658	240		
TCDL	10.0	Rep Stress Incr	NO	WB	0.47	Horz(CT)	0.29	10	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-MS		Wind(LL)	0.10	12-13	>999	240		
BCDL	10.0										Weight: 135 lb	FT = 20%

LUMBER

TOP CHORD	2x4 DF No.1&Btr
BOT CHORD	2x4 DF No.2
WEBS	2x4 DF No.2 *Except* W1:2x6 HF No.2

REACTIONS (lb/size) 10=1476/0-5-8, (min. 0-1-8), 14=1476/0-5-8, (min. 0-1-8)
Max Horiz 14=64 (LC 13)
Max Uplift 10=-80 (LC 14), 14=-80 (LC 14)
Max Grav 10=1506 (LC 20), 14=1506 (LC 19)

BRACING

TOP CHORD	2-0-0 oc purlins (3-3-7 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 3-14, 7-10

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

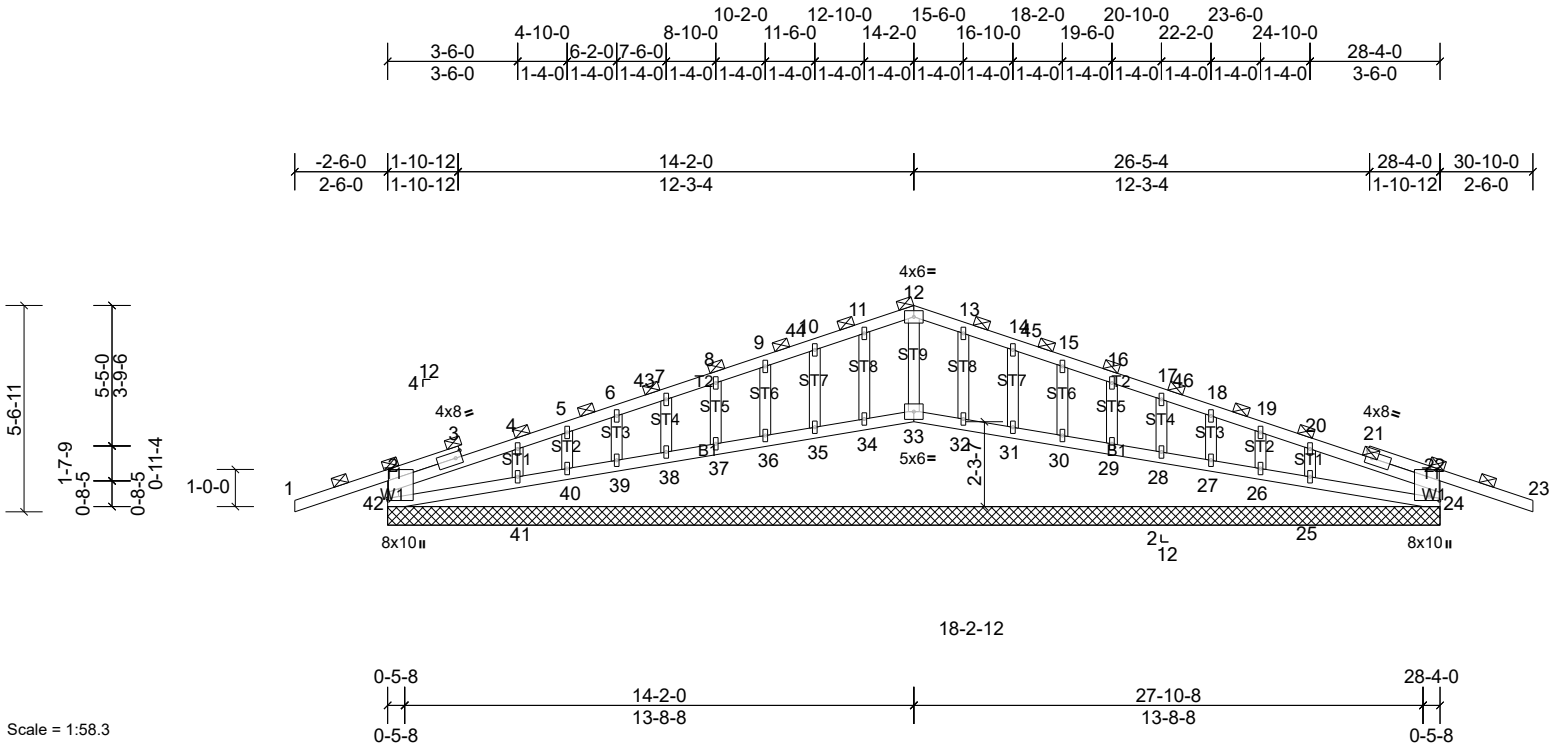
TOP CHORD	2-3=-234/307, 3-15=-3533/238, 4-15=-3493/247, 4-16=-2992/225, 5-16=-2935/236, 5-17=-2935/239, 6-17=-2992/229, 6-18=-3493/307, 7-18=-3533/292, 7-8=-234/307, 2-14=-461/110, 8-10=-461/205
BOT CHORD	13-14=-157/3067, 12-13=-153/3430, 11-12=-170/3430, 10-11=-256/3067
WEBS	5-12=-72/1555, 6-12=-767/114, 7-11=0/385, 4-12=-767/97, 3-13=0/385, 3-14=-3239/265, 7-10=-3239/339

NOTES

1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=5.5psf; BCDL=4.0psf; h=25ft; B=45ft; L=28ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior(2E) -2-6-0 to 0-2-12, Interior (1) 0-2-12 to 14-2-0, Exterior(2R) 14-2-0 to 17-2-0, Interior (1) 17-2-0 to 30-10-0 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 7-16; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00; IBC 1607.11.2 minimum roof live load applied where required.
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 14, 10 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 80 lb uplift at joint 14 and 80 lb uplift at joint 10.
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	CWEH - Fong B25000499
B	B4	Scissor Supported Gable	1	1	Job Reference (optional)



Scale = 1:58.3

Plate Offsets (X, Y): [24:0-1-4,0-3-4], [42:0-0-11,0-0-4]

Loading	(psf)	Spacing	3-6-12	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow = 25.0)		Lumber DOL	1.15	BC	0.12	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	NO	WB	0.04	Horz(CT)	-0.01	24	n/a	n/a		
BCLL	0.0*	Code	IBC2021/TPI2014	Matrix-MR								
BCDL	10.0										Weight: 131 lb	FT = 20%

LUMBER

TOP CHORD	2x4 DF 2400F 2.0E *Except* T2:2x4 DF No.2
BOT CHORD	2x4 DF No.2
WEBS	2x4 DF No.2
OTHERS	2x4 DF No.2

BRACING

TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS All bearings 28-4-0.

(lb) - Max Horiz 42=-100 (LC 12)

Max Uplift All uplift 100 (lb) or less at joint(s) 26, 27, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40 except 24=-146 (LC 14), 25=-133 (LC 18), 41=-133 (LC 18), 42=-146 (LC 14)

Max Grav All reactions 250 (lb) or less at joint(s) 26, 27, 33, 39, 40 except 24=876 (LC 18), 25=294 (LC 1), 28=274 (LC 20), 29=296 (LC 20), 30=293 (LC 20), 31=289 (LC 20), 32=313 (LC 20), 34=313 (LC 19), 35=289 (LC 19), 36=293 (LC 19), 37=296 (LC 19), 38=274 (LC 19), 41=294 (LC 1), 42=876 (LC 18)

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

TOP CHORD	2-42=-782/182, 22-24=-782/173
WEBS	11-34=-262/85, 13-32=-262/84

NOTES

1) Wind: ASCE 7-16; Vult=110mph (3-second gust) Vasd=87mph; TCDL=5.5psf; BCDL=4.0psf; h=25ft; B=45ft; L=28ft; eave=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner(3E) -2-6-0 to 0-6-0, Exterior(2N) 0-6-0 to 14-2-0, Corner(3R) 14-2-0 to 17-2-0, Exterior(2N) 17-2-0 to 30-10-0 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) 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; Pf=25.0 psf (Lum DOL = 1.15 Plate DOL = 1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.00; IBC 1607.11.2 minimum roof live load applied where required.
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
6) All plates are 1.5x4 (||) 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 1-4-0 oc.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 34, 35, 36, 37, 38, 39, 40, 32, 31, 30, 29, 28, 27, 26 except (jt=lb) 42=145, 24=145, 41=132, 25=132.
13) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 33, 34, 35, 36, 37, 38, 39, 40, 41, 32, 31, 30, 29, 28, 27, 26, 25.

Continued on page 2

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

LOAD CASE(S) Standard