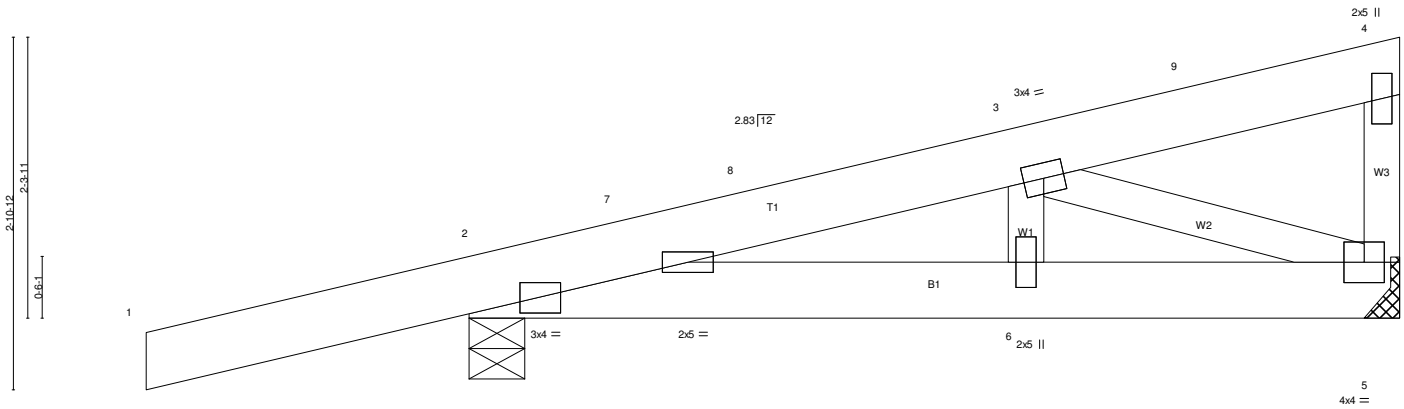
Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	CJ13	MONO TRUSS	6	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:08:48 2016 Page 1
ID:lam8x7qCWbBpwJAxwHKo4HyjDe3-wuqDlDK5M0ABc2W14N9cl25UVVpF7ATlj6c_HLznDLT

-2-7-13 / 2-7-13 | 4-6-15 / 4-6-15 | 7-7-12 / 3-0-13

Scale = 1:18.9



4-6-15 / 4-6-15 | 7-7-12 / 3-0-13

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.78	Vert(LL) -0.03 6 >999 360	MT20	197/144
(Roof Snow=40.0)	Plate Grip DOL 1.15	BC 0.31	Vert(TL) -0.04 2-6 >999 240		
TCDL 7.0	Lumber DOL 1.15	WB 0.33	Horz(TL) 0.01 5 n/a n/a		
BCLL 0.0	Rep Stress Incr NO	(Matrix)		Weight: 38 lb	FT = 4%
BCDL 10.0	Code IBC2009/TPI2007				

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

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

REACTIONS. (lb/size) 2=899/0-5-8, 5=827/Mechanical
Max Horz 2=111(LC 8)
Max Uplift 2=-322(LC 9), 5=-150(LC 9)
Max Grav 2=975(LC 13), 5=906(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-1202/65, 7-8=-1184/66, 3-8=-1124/70, 4-5=-406/127
BOT CHORD 2-6=-85/1088, 5-6=-85/1088
WEBS 3-5=-1165/111

JOINT STRESS INDEX
2 = 0.85, 2 = 0.00, 3 = 0.46, 4 = 0.23, 5 = 0.50 and 6 = 0.11

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
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 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=322, 5=150.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

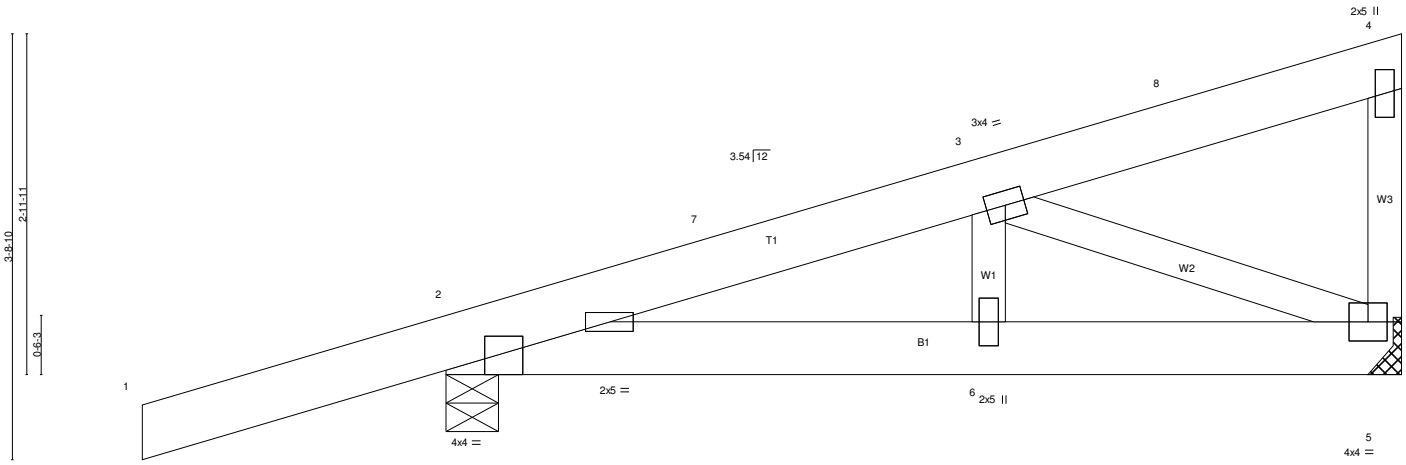
LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-39(F=-9, B=-9), 1=-94-to-2=-129, 2=-41(F=44, B=44)-to-4=-307(F=-44, B=-44)
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-39(F=-9, B=-9), 1=-94-to-2=-129, 2=-41(F=44, B=44)-to-7=-83(F=30, B=30), 7=-106(F=30, B=30)-to-4=-329(F=-44, B=-44)
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-39(F=-9, B=-9), 1=-38-to-2=-73, 2=15(F=44, B=44)-to-4=-251(F=-44, B=-44)
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-39(F=-9, B=-9), 1=-174-to-2=-209, 2=-36(F=7, B=7)-to-4=-151(F=-7, B=-7)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	CJ14	MONO TRUSS	2	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:08:49 2016 Page 1
ID:lam8x7qCWbBpwJAxwHKo4HyjDe3-O4ObzZLj7KI2EC5De5grlGehGuA?seQuxmMYqnznDLS

-2-7-13 | 4-8-14 | 8-4-2
2-7-13 | 4-8-14 | 3-7-4

Scale = 1:20.1



4-8-14 | 8-4-2
4-8-14 | 3-7-4

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.65	Vert(LL) -0.02 6 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.21	Vert(TL) -0.03 6 >999 240	
TCDL 7.0	Rep Stress Incr NO	WB 0.28	Horz(TL) 0.01 5 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 43 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.3

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

REACTIONS. (lb/size) 2=1266/0-5-8, 5=663/Mechanical
Max Horz 2=153(LC 6)
Max Uplift 2=-327(LC 9), 5=-201(LC 9)
Max Grav 2=1321(LC 2), 5=760(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-960/90, 3-7=-885/98, 4-5=-495/157
BOT CHORD 2-6=-121/779, 5-6=-121/779
WEBS 3-5=-845/173

JOINT STRESS INDEX
2 = 0.85, 2 = 0.00, 3 = 0.34, 4 = 0.28, 5 = 0.39 and 6 = 0.12

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
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 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=327, 5=201.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3, 13, 14, 15, 16, 17, 18 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-42(F=-11, B=-11), 1=-218-to-2=-185, 2=-97(F=44, B=44)-to-4=-199(F=-53, B=-53)
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-42(F=-11, B=-11), 1=-218-to-2=-185, 2=-97(F=44, B=44)-to-7=-125(F=17, B=17), 7=-152(F=17, B=17)-to-4=-226(F=-53, B=-53)
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-42(F=-11, B=-11), 1=-162-to-2=-129, 2=-41(F=44, B=44)-to-4=-143(F=-53, B=-53)
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-42(F=-11, B=-11), 1=-298-to-2=-265, 2=-92(F=7, B=7)-to-4=-30(F=-8, B=-8)

Continued on page 2

LOAD CASE(S) Standard

14) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Concentrated Loads (lb)
Vert: 7=-300
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-42(F=-11, B=-11), 1=-138-to-2=-105, 2=-17(F=44, B=44)-to-4=-119(F=-53, B=-53)

15) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Concentrated Loads (lb)
Vert: 8=-300
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-42(F=-11, B=-11), 1=-138-to-2=-105, 2=-17(F=44, B=44)-to-4=-119(F=-53, B=-53)

16) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Concentrated Loads (lb)
Vert: 4=-300
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-42(F=-11, B=-11), 1=-138-to-2=-105, 2=-17(F=44, B=44)-to-4=-119(F=-53, B=-53)

17) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Concentrated Loads (lb)
Vert: 2=-300
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-42(F=-11, B=-11), 1=-138-to-2=-105, 2=-17(F=44, B=44)-to-4=-119(F=-53, B=-53)

18) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Concentrated Loads (lb)
Vert: 3=-300
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-42(F=-11, B=-11), 1=-138-to-2=-105, 2=-17(F=44, B=44)-to-4=-119(F=-53, B=-53)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	CJ21	MONO TRUSS	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:08:49 2016 Page 1
ID:DmKX9SrqHvJgYTl8U_r1dUyjDe2-O4ObzZLj7Kl2EC5De5grlGeiVuC2sipuxmMYqnznDLS

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2-7-12 4-9-12

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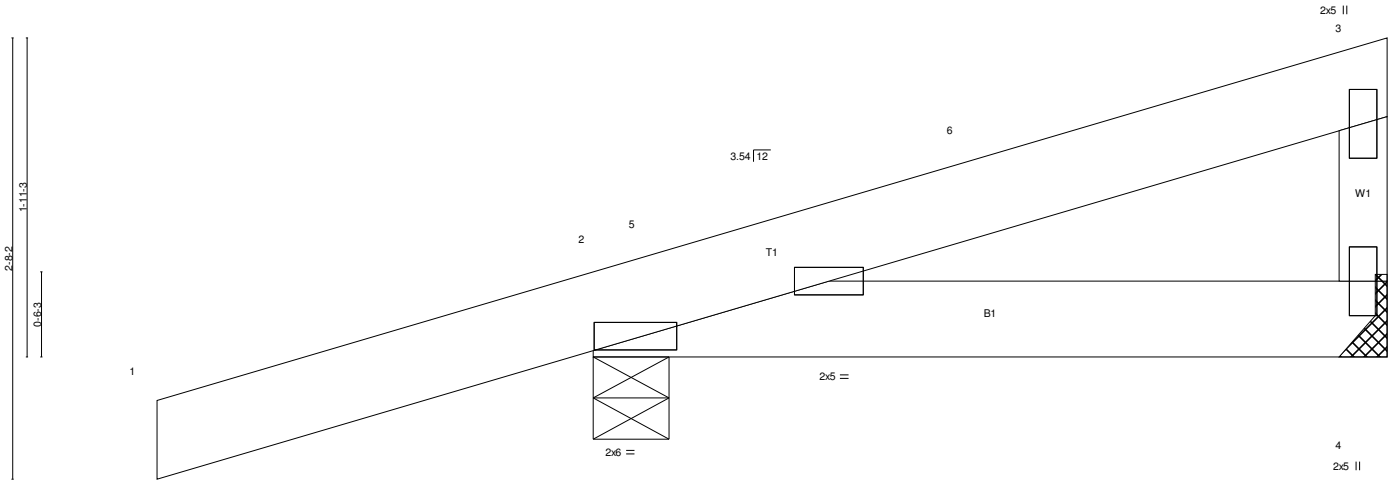

Plate Offsets (X,Y)-- [2:0-0-1,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.64	Vert(LL) -0.01 2-4 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.08	Vert(TL) -0.01 2-4 >999 240	
TCDL 7.0	Rep Stress Incr NO	WB 0.00	Horz(TL) -0.00 4 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 24 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=965/0-5-8, 4=75/Mechanical
Max Horz 2=112(LC 8)
Max Uplift 2=-296(LC 9), 4=-146(LC 13)
Max Grav 2=1192(LC 13), 4=348(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-312/181

JOINT STRESS INDEX
2 = 0.80, 2 = 0.00, 3 = 0.17 and 4 = 0.13

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
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 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=296, 4=146.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
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
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-4=-24(F=-2, B=-2), 1=-218-to-2=-169, 2=-81(F=44, B=44)-to-3=-113(F=-10, B=-10)
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-4=-24(F=-2, B=-2), 1=-218-to-2=-169, 2=-81(F=44, B=44)-to-5=-83(F=41, B=41), 5=-102(F=41, B=41)-to-3=-132(F=-10, B=-10)
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-4=-24(F=-2, B=-2), 1=-162-to-2=-113, 2=-25(F=44, B=44)-to-3=-57(F=-10, B=-10)
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-4=-24(F=-2, B=-2), 1=-298-to-2=-249, 2=-76(F=7, B=7)-to-3=-17(F=-1, B=-1)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	G1AA	MONO TRUSS	1	2	Job Reference (optional)

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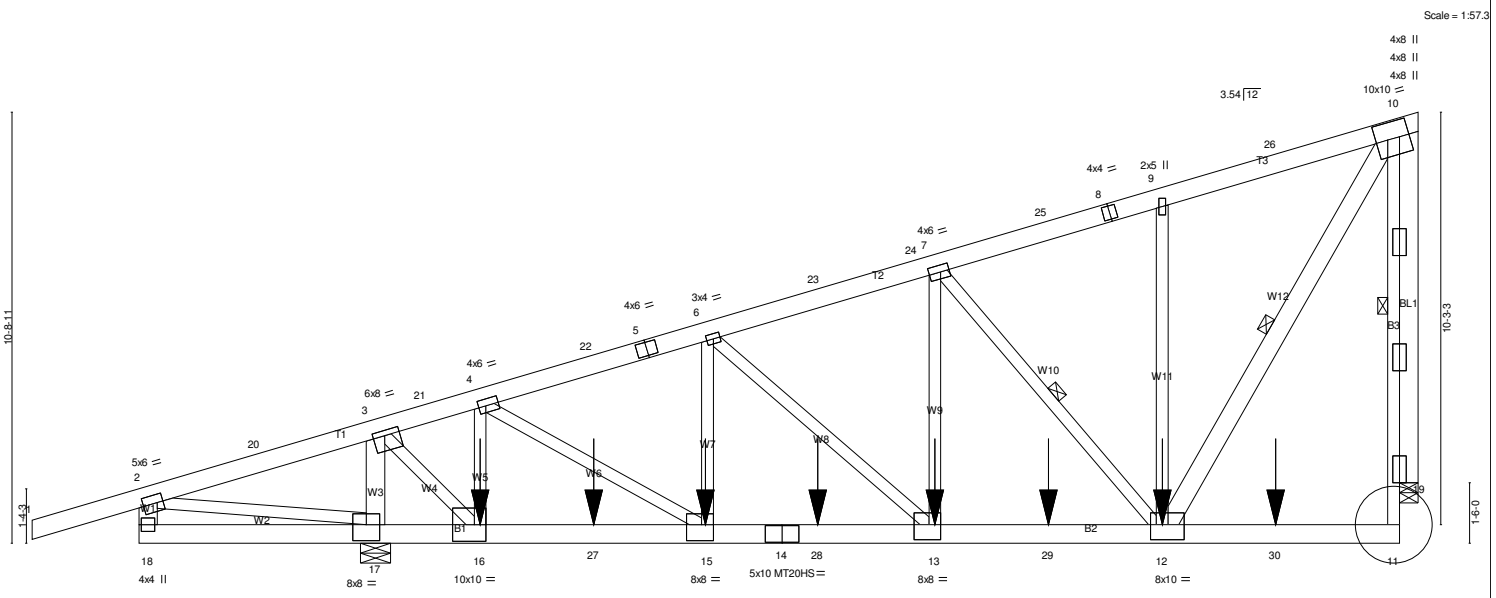
ID:_JpYqBxrPMKYViMgyg_vxAyjDdw-sGyzAvMLudQvrMgPCoB4qTBusIMcbyE1AQ55MDznDLR

-2-7-13	5-10-10	8-5-14	14-1-12	19-9-10	25-5-8	31-9-13	35-4-4
2-7-13	5-10-10	2-7-4	5-7-14	5-7-14	5-7-14	6-4-5	3-6-7



5-10-10	6-3-28-5-14	14-1-12	19-9-10	25-5-8	31-9-13	35-4-4
5-10-10	0-4-82-2-12	5-7-14	5-7-14	5-7-14	6-4-5	3-6-7

Plate Offsets (X,Y)-- [2:0-1-12,0-2-8], [3:0-3-8,0-1-8], [4:0-2-4,0-2-0], [7:0-2-8,0-2-0], [10:0-3-8,0-5-0], [11:0-0-0,0-1-12], [12:0-1-12,0-4-8], [13:0-3-8,0-4-8], [15:0-3-8,0-4-12], [16:0-3-8,0-5-0], [17:0-4-0,0-4-12], [19:0-3-0,0-2-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.20	13-15	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.89	Vert(TL)	-0.32	13-15	>951	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	NO	WB	0.89	Horz(TL)	-0.03	19	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 462 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF 2100F 1.8E *Except*
B3: 2x4 SPF No.3
WEBS 2x4 SPF No.3 *Except*
W3,W12,W1: 2x6 SPF No.2, W4: 2x4 SPF 2100F 1.8E, W6: 2x4 SPF No.2
OTHERS 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
6-0-0 oc bracing: 10-19
WEBS 1 Row at midpt 7-12, 10-12

REACTIONS. (lb/size) 17=10164/0-9-0, 19=6843/0-5-8
Max Horz 17=1199(LC 9)
Max Uplift 17=-5067(LC 9), 19=-4131(LC 9)
Max Grav 17=10313(LC 2), 19=7333(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-789/2386, 3-20=-777/2500, 3-21=-5306/3018, 4-21=-5250/3023, 4-22=-9607/4995, 5-22=-9492/4996, 5-6=-9440/5002, 6-23=-7929/3909, 23-24=-7824/3915, 7-24=-7719/3916, 7-25=-4655/2061, 8-25=-4516/2062, 8-9=-4446/2068, 9-26=-4637/2171, 10-26=-4408/2176
BOT CHORD 17-18=-1098/333, 16-17=-2335/106, 16-27=-3861/4985, 15-27=-3861/4985, 14-15=-5714/9110, 14-28=-5714/9110, 13-28=-5714/9110, 13-29=-4580/7515, 12-29=-4580/7515, 12-30=-334/87, 11-30=-334/87, 11-19=-475/707, 10-19=-6626/3655
WEBS 3-17=-10001/4936, 3-16=-5031/9952, 4-16=-4076/1772, 4-15=-2159/4806, 6-15=-1053/1224, 6-13=-2245/1520, 7-13=-2467/3884, 7-12=-4940/2897, 9-12=-892/339, 10-12=-4798/8558, 2-17=-1368/563

JOINT STRESS INDEX
2 = 0.87, 3 = 0.96, 4 = 0.95, 5 = 0.73, 6 = 0.71, 7 = 0.96, 8 = 0.53, 9 = 0.31, 10 = 0.85, 11 = 0.97, 12 = 0.95, 13 = 0.51, 14 = 0.75, 15 = 0.47, 16 = 0.80, 17 = 0.58, 18 = 0.66, 19 = 0.00, 19 = 0.80, 19 = 0.80 and 19 = 0.80

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 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 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 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 20.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
7) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
8) All plates are MT20 plates unless otherwise indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) Bearing at joint(s) 19 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=5067, 19=4131.
12) Following joints to be plated by qualified designer: Joint(s) 11, not plated.
13) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
14) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
15) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

Continued on page 2

NOTES-

16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 976 lb down and 571 lb up at 8-5-14, 976 lb down and 571 lb up at 8-5-14, 902 lb down and 528 lb up at 11-3-12, 902 lb down and 528 lb up at 11-3-12, 819 lb down and 479 lb up at 14-1-2, 819 lb down and 479 lb up at 14-1-2, 739 lb down and 432 lb up at 16-10-10, 739 lb down and 432 lb up at 16-10-10, 661 lb down and 387 lb up at 19-9-10, 661 lb down and 387 lb up at 19-9-10, 457 lb down and 267 lb up at 22-7-8, 457 lb down and 267 lb up at 22-7-8, 577 lb down and 338 lb up at 25-5-8, 577 lb down and 338 lb up at 25-5-8, and 794 lb down and 465 lb up at 28-3-6, and 794 lb down and 465 lb up at 28-3-6 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 (plf)
      Vert: 11-18=-20
   Concentrated Loads (lb)
      Vert: 16=-1952(F=-976, B=-976) 15=-1638(F=-819, B=-819) 13=-1322(F=-661, B=-661) 12=-1154(F=-577, B=-577) 27=-1804(F=-902, B=-902) 28=-1478(F=-739, B=-739) 29=-914(F=-457, B=-457) 30=-1588(F=-794, B=-794)
   Trapezoidal Loads (plf)
      Vert: 1=-173-to-2=-166, 2=-166-to-10=-95
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 11-18=-20
   Concentrated Loads (lb)
      Vert: 16=-1952(F=-976, B=-976) 15=-1638(F=-819, B=-819) 13=-1322(F=-661, B=-661) 12=-1154(F=-577, B=-577) 27=-1804(F=-902, B=-902) 28=-1478(F=-739, B=-739) 29=-914(F=-457, B=-457) 30=-1588(F=-794, B=-794)
   Trapezoidal Loads (plf)
      Vert: 1=-173-to-2=-166, 2=-166-to-24=-122, 24=-176-to-10=-150
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 11-18=-20
   Concentrated Loads (lb)
      Vert: 16=-993(F=-497, B=-497) 15=-833(F=-417, B=-417) 13=-673(F=-336, B=-336) 12=-587(F=-294, B=-294) 27=-918(F=-459, B=-459) 28=-752(F=-376, B=-376) 29=-465(F=-233, B=-233) 30=-808(F=-404, B=-404)
   Trapezoidal Loads (plf)
      Vert: 1=-117-to-2=-110, 2=-110-to-10=-39
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 11-18=-20
   Concentrated Loads (lb)
      Vert: 16=-582(F=-291, B=-291) 15=-489(F=-244, B=-244) 13=-394(F=-197, B=-197) 12=-344(F=-172, B=-172) 27=-538(F=-269, B=-269) 28=-441(F=-220, B=-220) 29=-273(F=-136, B=-136) 30=-474(F=-237, B=-237)
   Trapezoidal Loads (plf)
      Vert: 1=-253-to-2=-246, 2=-86-to-10=-15

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	G3	MONO TRUSS	1	2	Job Reference (optional)

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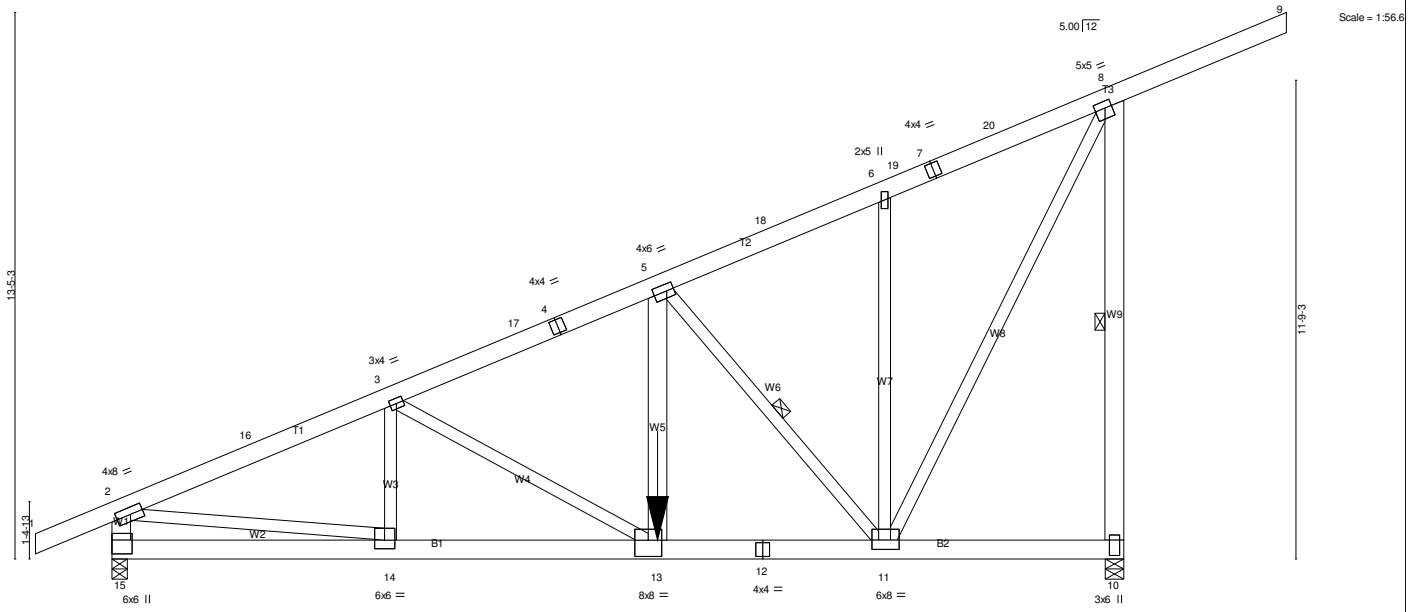
ID:whwJFty5wzaGl?W3351N1byjDdu-KTWLNFMzfxYmTWFcmWiJNhj??ileKOkBP4reugznDLQ

-1-10-8	6-10-4	13-5-0	19-0-0	24-10-8	28-10-8
1-10-8	6-10-4	6-6-12	5-7-0	5-10-8	4-0-0



6-10-4	13-5-0	19-0-0	24-10-8
6-10-4	6-6-12	5-7-0	5-10-8

Plate Offsets (X,Y)-- [2:0-3-12,0-2-0], [5:0-2-0,0-2-0], [8:0-2-0,0-2-0], [10:0-4-8,0-1-8], [11:0-2-0,0-2-12], [13:0-4-0,0-4-12], [14:0-3-0,0-2-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.83	Vert(LL) -0.15 13-14 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.58	Vert(TL) -0.24 13-14 >999 240	
TCDL 7.0	Rep Stress Incr NO	WB 0.93	Horz(TL) 0.04 10 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 375 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1,W9,W5: 2x6 SPF No.2, W8: 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 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 10-11.
WEBS 1 Row at midpt 8-10, 5-11

REACTIONS. (lb/size) 15=3564/0-4-9, 10=4165/0-5-8
Max Horz 15=804(LC 9)
Max Uplift 15=-1023(LC 9), 10=-1744(LC 9)
Max Grav 15=3575(LC 2), 10=4728(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-3411/1036, 2-16=-5783/1444, 3-16=-5627/1463, 3-17=-5878/1499, 4-17=-5759/1499, 4-5=-5729/1510, 5-18=-2430/433, 6-18=-2311/440, 6-19=-2392/515, 7-19=-2369/518, 7-20=-2311/524, 8-20=-2154/533, 8-9=-283/0, 8-10=-4662/1770
BOT CHORD 14-15=-923/1016, 13-14=-1959/5194, 12-13=-1859/5327, 11-12=-1859/5327
WEBS 2-14=-1049/4227, 3-14=-627/249, 5-13=-1418/4412, 5-11=-4910/1750, 6-11=-426/208, 8-11=-1639/4768

JOINT STRESS INDEX
2 = 0.90, 3 = 0.64, 4 = 0.81, 5 = 0.94, 6 = 0.31, 7 = 0.36, 8 = 0.92, 10 = 0.82, 11 = 0.94, 12 = 0.92, 13 = 0.71, 14 = 0.61 and 15 = 0.93

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 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-7-0 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 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=6ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
5) Unbalanced snow loads have been considered for this design.
6) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
7) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) except (jt=lb) 15=1023, 10=1744.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4350 lb down and 1421 lb up at 13-5-0 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 (plf)
Vert: 1-2=-94, 2-8=-94, 8-9=-94, 10-15=-20
Concentrated Loads (lb)
Vert: 13=-4350(F)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	G3B	MONO TRUSS	1	2	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:08:52 2016 Page 1
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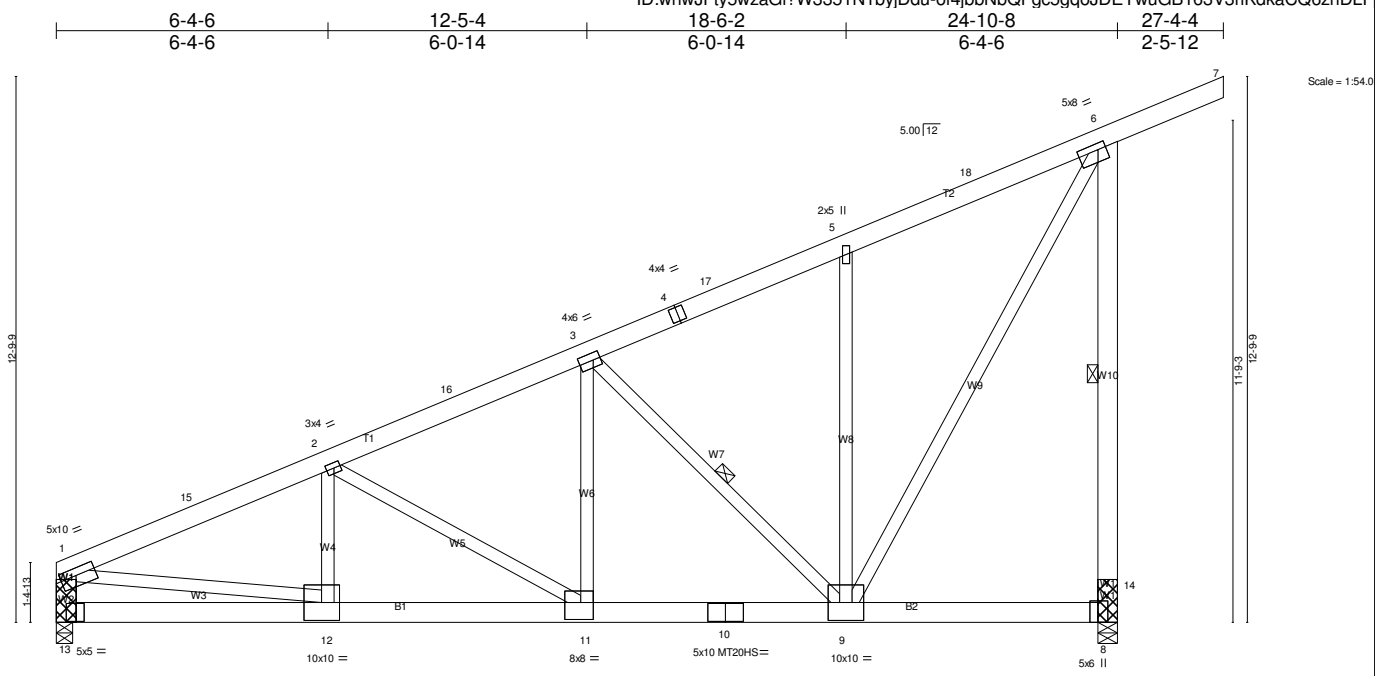


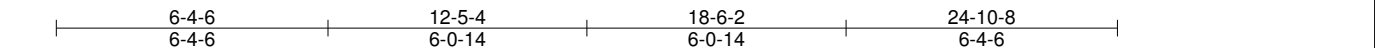


Plate Offsets (X,Y)-- [1:0-4-8,0-2-0], [2:0-1-12,0-1-8], [3:0-2-0,0-2-0], [6:0-2-4,0-1-12], [11:0-3-8,0-4-12], [13:0-2-4,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.75	Vert(LL) -0.24 11-12 >999 360	MT20	197/144
(Roof Snow=40.0)	Plate Grip DOL 1.15	BC 0.73	Vert(TL) -0.37 11-12 >786 240	MT20HS	148/108
TCDL 7.0	Lumber DOL 1.15	WB 0.95	Horz(TL) 0.05 8 n/a n/a		
BCLL 0.0	Rep Stress Incr NO	(Matrix)		Weight: 365 lb	FT = 4%
BCDL 10.0	Code IBC2009/TPI2007				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x6 SPF No.2 *Except*
W3,W9: 2x4 SPF 2100F 1.8E, W4,W5,W6,W7,W8: 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-8, 3-9

REACTIONS. (lb/size) 13=7703/(0-4-9 + bearing block) (req. 0-6-1), 8=7709/(0-5-8 + bearing block) (req. 0-6-7)
Max Horz 13=653(LC 9)
Max Uplift13=-2178(LC 9), 8=-2752(LC 9)
Max Grav 13=7738(LC 2), 8=8177(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-11373/3133, 2-15=-11215/3144, 2-16=-8708/2346, 3-16=-8532/2356, 3-4=-4766/1178, 4-17=-4611/1181, 5-17=-4601/1190, 5-18=-4761/1308, 6-18=-4403/1321, 8-14=-6844/2348, 6-14=-6844/2348
BOT CHORD 12-13=-653/44, 11-12=-3482/10372, 10-11=-2610/7884, 9-10=-2610/7884
WEBS 1-13=-6505/1803, 1-12=-2868/10514, 2-12=-567/1696, 2-11=-2896/1012, 3-11=-1372/4293, 3-9=-5177/1738, 5-9=-767/287, 6-9=-2832/8646

JOINT STRESS INDEX
1 = 1.00, 1 = 0.00, 1 = 0.00, 2 = 0.88, 3 = 0.93, 4 = 0.66, 5 = 0.31, 6 = 0.95, 8 = 0.94, 8 = 0.00, 8 = 0.00, 9 = 0.85, 10 = 0.79, 11 = 0.61, 12 = 0.96, 13 = 0.20, 13 = 0.00, 13 = 0.00, 14 = 0.00, 14 = 0.00 and 14 = 0.00

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 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-7-0 oc, 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) 2x6 SPF No.2 bearing block 12" long at jt. 13 attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. User Defined Bearing crushing capacity= 425psi.
4) 2x6 SPF No.2 bearing block 12" long at jt. 8 attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. User Defined Bearing crushing capacity= 425psi.
5) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
6) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
7) Unbalanced snow loads have been considered for this design.
8) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
9) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
10) All plates are MT20 plates unless otherwise indicated.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) Bearing at joint(s) 13, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=2178, 8=2752.
14) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
15) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
16) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Continued on page 2

LOAD CASE(S) Standard

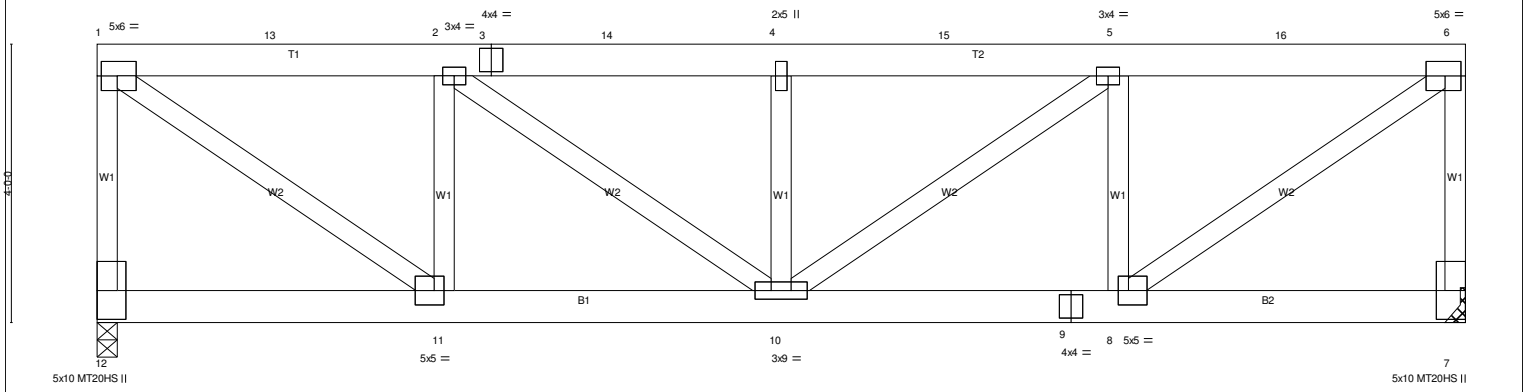
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 8-13=-483(F=-463)
   Trapezoidal Loads (plf)
      Vert: 1=-173-to-6=-102, 6=-102-to-7=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 8-13=-483(F=-463)
   Trapezoidal Loads (plf)
      Vert: 1=-173-to-5=-120, 5=-177-to-6=-159, 6=-159-to-7=-151
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 8-13=-483(F=-463)
   Trapezoidal Loads (plf)
      Vert: 1=-117-to-6=-46, 6=-46-to-7=-38
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 8-13=-158(F=-138)
   Trapezoidal Loads (plf)
      Vert: 1=-93-to-6=-22, 6=-182-to-7=-174

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	G3E	FLAT ROOF	1	2	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:08:53 2016 Page 1
ID:whwJFty5wzaGl?W3351N1byjDdu-Gre6oxODAYoTiqO_txlnS6pJLWSAoM6UsOKlzYznDLO

4-11-14	9-10-0	14-8-2	19-8-0
4-11-14	4-10-2	4-10-2	4-11-14

Scale = 1:33.1



4-11-14	9-10-0	14-8-2	19-8-0
4-11-14	4-10-2	4-10-2	4-11-14

Plate Offsets (X,Y)-- [1:0-2-12,0-2-8], [6:0-2-12,0-2-8], [7:Edge,0-3-8], [8:0-1-12,0-2-8], [11:0-1-12,0-2-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.90	Vert(LL) -0.11 10 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.51	Vert(TL) -0.18 10 >999 240	MT20HS 148/108
TCDL 7.0	Rep Stress Incr NO	WB 0.68	Horz(TL) 0.03 7 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 226 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W2: 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 10-0-0 oc bracing.

REACTIONS. (lb/size) 12=4337/0-3-8, 7=4337/Mechanical
Max Horz 12=-166(LC 5)
Max Uplift12=-1375(LC 5), 7=-1375(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-4220/1366, 1-13=-4660/1521, 2-13=-4660/1521, 2-3=-6088/1968, 3-14=-6088/1968, 4-14=-6088/1968, 4-15=-6088/1968, 5-15=-6088/1968, 5-16=-4660/1521, 6-16=-4660/1521, 6-7=-4220/1366
BOT CHORD 10-11=-1562/4660, 9-10=-1521/4660, 8-9=-1521/4660
WEBS 2-11=-3274/1135, 4-10=-1978/699, 5-8=-3274/1136, 1-11=-1776/5582, 2-10=-579/1770, 5-10=-580/1770, 6-8=-1776/5582

JOINT STRESS INDEX
1 = 0.91, 2 = 0.83, 3 = 0.87, 4 = 0.34, 5 = 0.83, 6 = 0.91, 7 = 0.78, 8 = 0.89, 9 = 0.90, 10 = 0.81, 11 = 0.89 and 12 = 0.78

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
5) Provide adequate drainage to prevent water ponding.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=1375, 7=1375.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
13) Girder carries tie-in span(s): 14-0-0 from 0-0-0 to 19-8-0

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-12=-20, 1-6=-428

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	G4	COMMON	1	2	Job Reference (optional)

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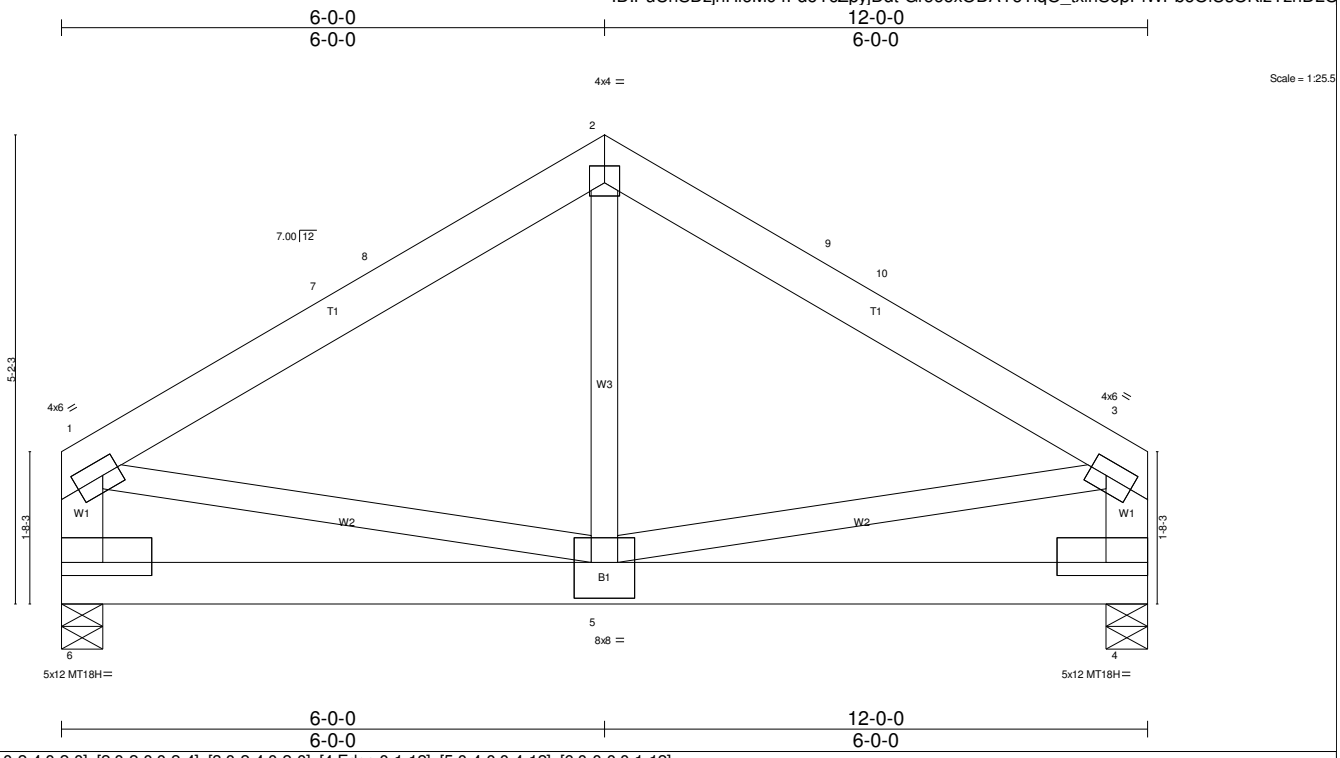

Plate Offsets (X,Y)-- [1:0-2-4,0-2-0], [2:0-2-0,0-2-4], [3:0-2-4,0-2-0], [4:Edge,0-1-12], [5:0-4-0,0-4-12], [6:0-0-0,0-1-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.56	Vert(LL)	-0.05	5-6	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.74	Vert(TL)	-0.08	5-6	>999	240	MT18H	197/144
TCDL	7.0	Rep Stress Incr	NO	WB	0.52	Horz(TL)	0.01	4	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 136 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x6 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 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=3378/0-5-8, 4=3378/0-5-8
Max Horz 6=161(LC 8)
Max Uplift6=-1137(LC 9), 4=-1137(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-2937/993, 7-8=-2785/993, 2-8=-2774/1005, 2-9=-2774/1005, 9-10=-2785/993, 3-10=-2937/993, 1-6=-1989/713, 3-4=-1989/713
BOT CHORD 5-6=-435/1197, 4-5=-396/1197
WEBS 2-5=-744/2349, 1-5=-372/1310, 3-5=-378/1310

JOINT STRESS INDEX
1 = 0.85, 2 = 0.82, 3 = 0.85, 4 = 0.87, 5 = 0.31 and 6 = 0.87

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 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
5) Unbalanced snow loads have been considered for this design.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
7) All plates are MT20 plates unless otherwise indicated.
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) except (jt=lb) 6=1137, 4=1137.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-94, 2-3=-94, 4-6=-491(F=-471)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	G6	COMMON	2	2	Job Reference (optional)

Universal Forest Products

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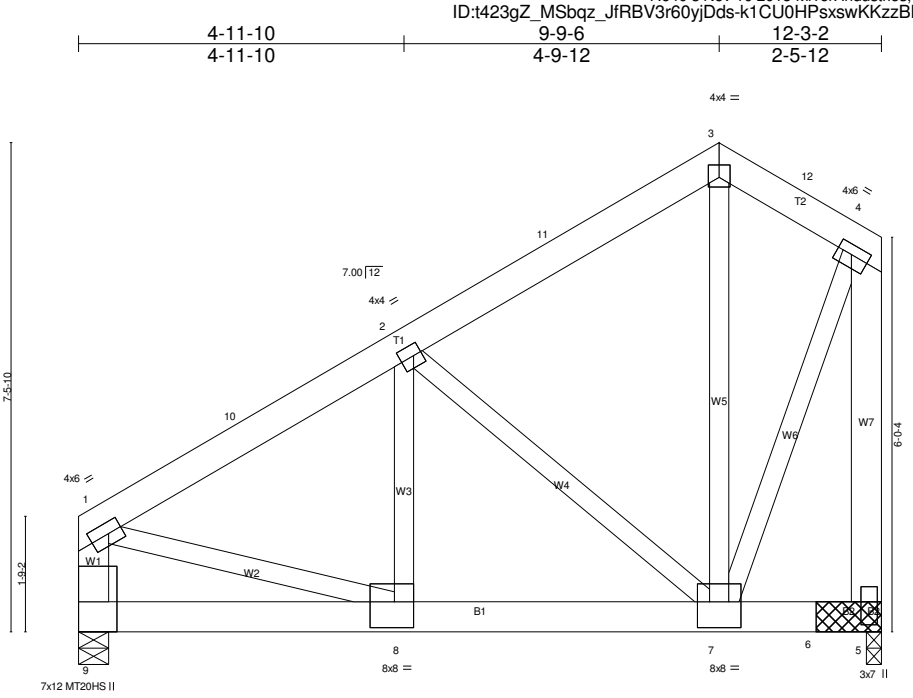

4-11-10
4-11-10
9-9-6
4-9-12
12-3-2
2-5-12

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.06	7-8	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.79	Vert(TL)	-0.10	7-8	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	NO	WB	0.68	Horz(TL)	0.01	5	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 186 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1,W7: 2x6 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 10-0-0 oc bracing.

REACTIONS. (lb/size) 9=4082/0-5-8, 5=4082/(0-2-12 + bearing block) (req. 0-3-3)
Max Horz 9=284(LC 9)
Max Uplift9=-1302(LC 9), 5=-1449(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-3677/1144, 2-10=-3531/1162, 2-11=-1464/483, 3-11=-1373/493, 3-12=-1341/525, 4-12=-1433/517, 1-9=-2682/868, 4-5=-3653/1308
BOT CHORD 8-9=-584/970, 7-8=-1149/3050
WEBS 2-8=-760/2382, 2-7=-2454/960, 3-7=-363/1066, 1-8=-594/2169, 4-7=-1088/3079

JOINT STRESS INDEX
1 = 0.82, 2 = 0.86, 3 = 0.42, 4 = 0.89, 5 = 1.00, 5 = 0.00, 5 = 0.00, 6 = 0.00, 6 = 0.00, 6 = 0.00, 7 = 0.69, 8 = 0.34 and 9 = 0.85

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 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) 2x6 SPF No.2 bearing block 12" long at jt. 5 attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. User Defined Bearing crushing capacity= 425psi.
4) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
6) Unbalanced snow loads have been considered for this design.
7) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
8) All plates are MT20 plates unless otherwise indicated.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=1302, 5=1449.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-94, 3-4=-94, 5-9=-598(F=-578)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	G10	COMMON	2	1	Job Reference (optional)

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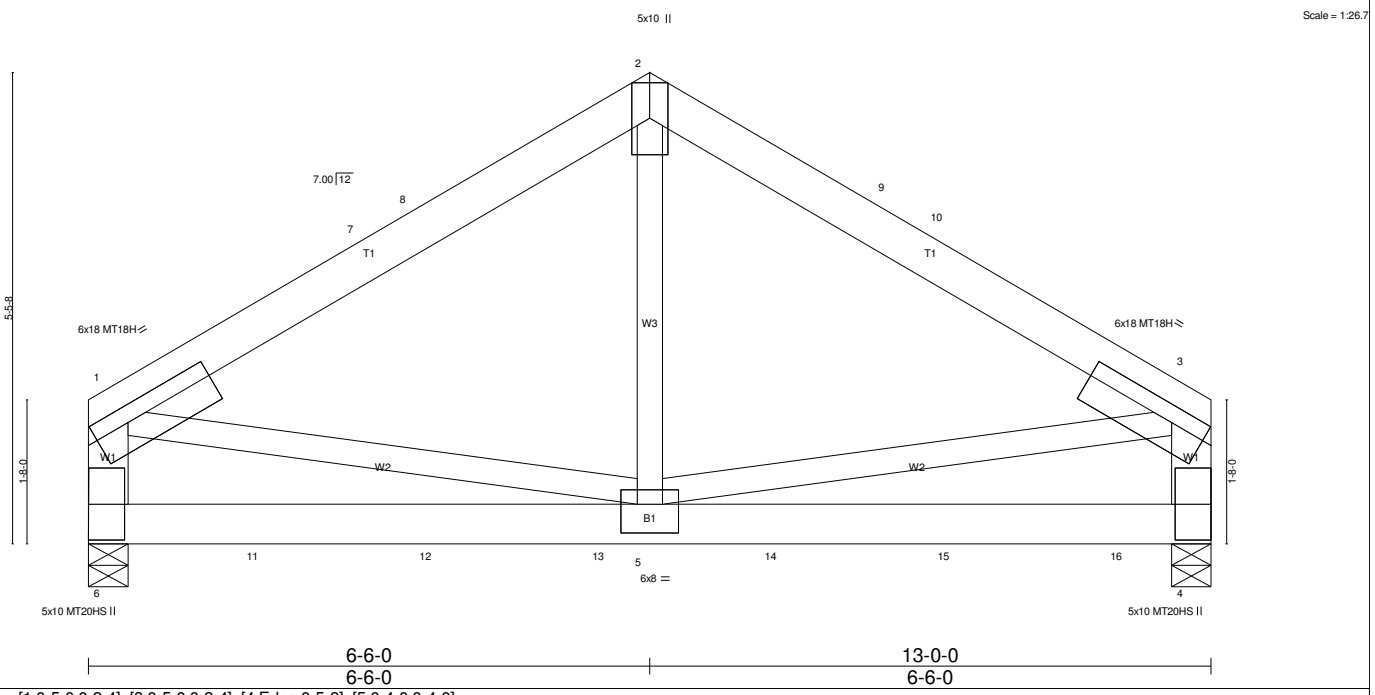

Plate Offsets (X,Y)-- [1:0-5-0,0-2-4], [3:0-5-0,0-2-4], [4:Edge,0-5-8], [5:0-4-0,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.03	5-6	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.47	Vert(TL)	-0.07	4-5	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	NO	WB	0.33	Horz(TL)	0.01	4	n/a	n/a	MT18H	197/144
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 73 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=1947/0-5-8, 4=1947/0-5-8
Max Horz 6=169(LC 8)
Max Uplift6=-521(LC 9), 4=-502(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-1985/474, 7-8=-1641/474, 2-8=-1574/488, 2-9=-1574/488, 9-10=-1641/474, 3-10=-1985/474, 1-6=-1638/396, 3-4=-1638/396
BOT CHORD 6-11=-209/790, 11-12=-209/790, 12-13=-209/790, 5-13=-209/790, 5-14=-200/790, 14-15=-200/790, 15-16=-200/790, 4-16=-200/790
WEBS 2-5=-180/747, 1-5=-87/744, 3-5=-107/744

JOINT STRESS INDEX
1 = 0.93, 2 = 0.97, 3 = 0.93, 4 = 1.00, 5 = 0.50 and 6 = 1.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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 100 lb uplift at joint(s) except (jt=lb) 6=521, 4=502.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 1, 2, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 153 lb down and 35 lb up at 0-2-12, 153 lb down and 35 lb up at 2-0-0, 153 lb down and 35 lb up at 4-0-0, 153 lb down and 35 lb up at 6-0-0, 153 lb down and 35 lb up at 8-0-0, and 153 lb down and 35 lb up at 10-0-0, and 153 lb down and 35 lb up at 12-0-0 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: 1-2=-218, 2-3=-218, 4-6=-92(F=-72)
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-8=-218, 2-8=-241, 2-3=-162, 4-6=-92(F=-72)
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-162, 2-9=-241, 3-9=-218, 4-6=-92(F=-72)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	G21	ROOF TRUSS	1	1	Job Reference (optional)

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ID:iEPKwc362Rb7iE7bXmAFLHyjDdm-DElsDdPUiA2By7YN?LnFXXuisJCzGO0mKips1RznDLM

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1-10-8	3-3-14	2-8-2	5-0-0

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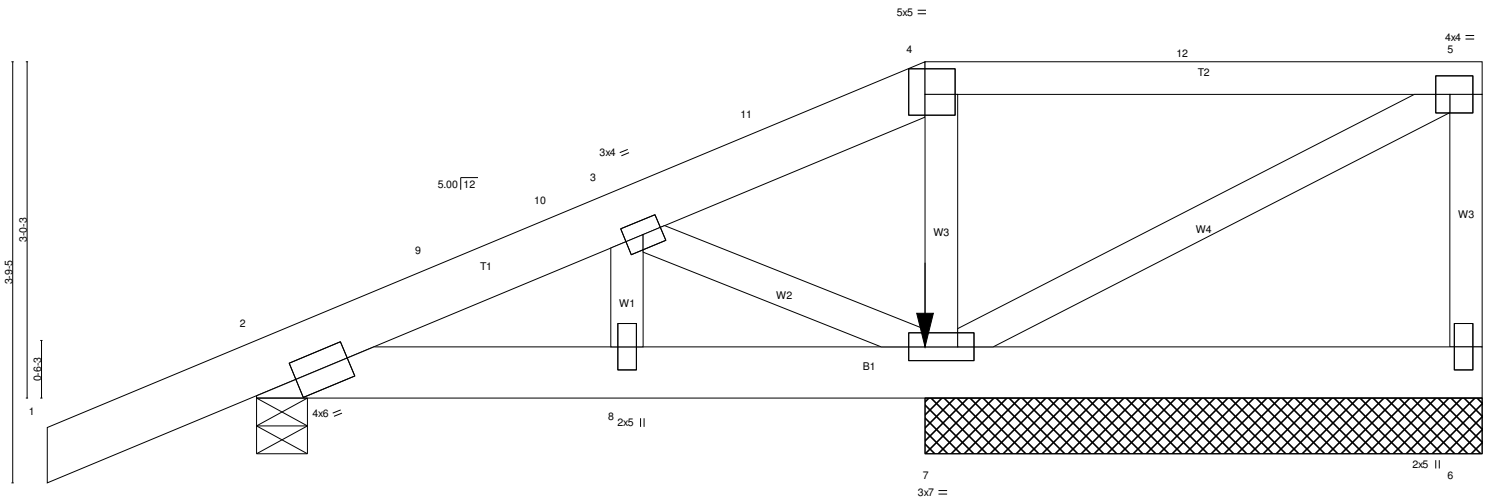

3-3-14	6-0-0	11-0-0
3-3-14	2-8-2	5-0-0

Plate Offsets (X,Y)-- [2:0-4-10,0-1-14], [4:0-3-4,0-2-12], [5:0-1-8,0-2-0], [6:0-2-8,0-0-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	0.01	2-8	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.30	Vert(TL)	-0.01	8	>999	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.15	Horz(TL)	0.00	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 56 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2 *Except*
T2: 2x4 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.3

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

REACTIONS. (lb/size) 6=160/5-0-0, 2=1041/0-5-8, 7=1368/5-0-0
Max Horz 2=203(LC 9)
Max Uplift6=-57(LC 6), 2=-321(LC 9), 7=-517(LC 9)
Max Grav 6=328(LC 19), 2=1330(LC 15), 7=1398(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-607/44, 9-10=-412/50, 3-10=-328/54, 5-6=-289/62
BOT CHORD 2-8=-139/374, 7-8=-139/374
WEBS 3-7=-522/168, 4-7=-563/145

JOINT STRESS INDEX
2 = 0.94, 3 = 0.20, 4 = 0.87, 5 = 0.88, 6 = 0.99, 7 = 0.32 and 8 = 0.05

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
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 40.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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 100 lb uplift at joint(s) 6 except (jt=lb) 2=321, 7=517.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3, 13, 14, 15 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 513 lb down and 217 lb up at 6-0-0 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: 2-7=-20, 6-7=-38(F=-18)
Concentrated Loads (lb)
Vert: 7=-513(F)
Trapezoidal Loads (plf)
Vert: 1=-218-to-4=-141, 4=-94(F=47)-to-5=-47(F=47)
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-20, 6-7=-38(F=-18)

Continued on page 2

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 7=-513(F)
Trapezoidal Loads (plf)
Vert: 1=-218-to-10=-172, 10=-182-to-4=-152, 4=-38(F=47)-to-5=9(F=47)
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-20, 6-7=-38(F=-18)
Concentrated Loads (lb)
Vert: 7=-513(F)
Trapezoidal Loads (plf)
Vert: 1=-162-to-4=-85, 4=-111(F=47)-to-5=-64(F=47)
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-20, 6-7=-18(F=1)
Concentrated Loads (lb)
Vert: 7=-153(F)
Trapezoidal Loads (plf)
Vert: 1=-298-to-2=-278, 2=-118-to-4=-61, 4=-54(F=7)-to-5=-7(F=7)
14) 3rd Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-20, 6-7=-38(F=-18)
Concentrated Loads (lb)
Vert: 7=-513(F)
Trapezoidal Loads (plf)
Vert: 1=-162-to-4=-85, 4=-150(F=47)-to-5=-103(F=47)
15) 4th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-20, 6-7=-38(F=-18)
Concentrated Loads (lb)
Vert: 7=-513(F)
Trapezoidal Loads (plf)
Vert: 1=-274-to-4=-197, 4=-38(F=47)-to-5=9(F=47)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	GE2	SPECIAL	1	1	Job Reference (optional)

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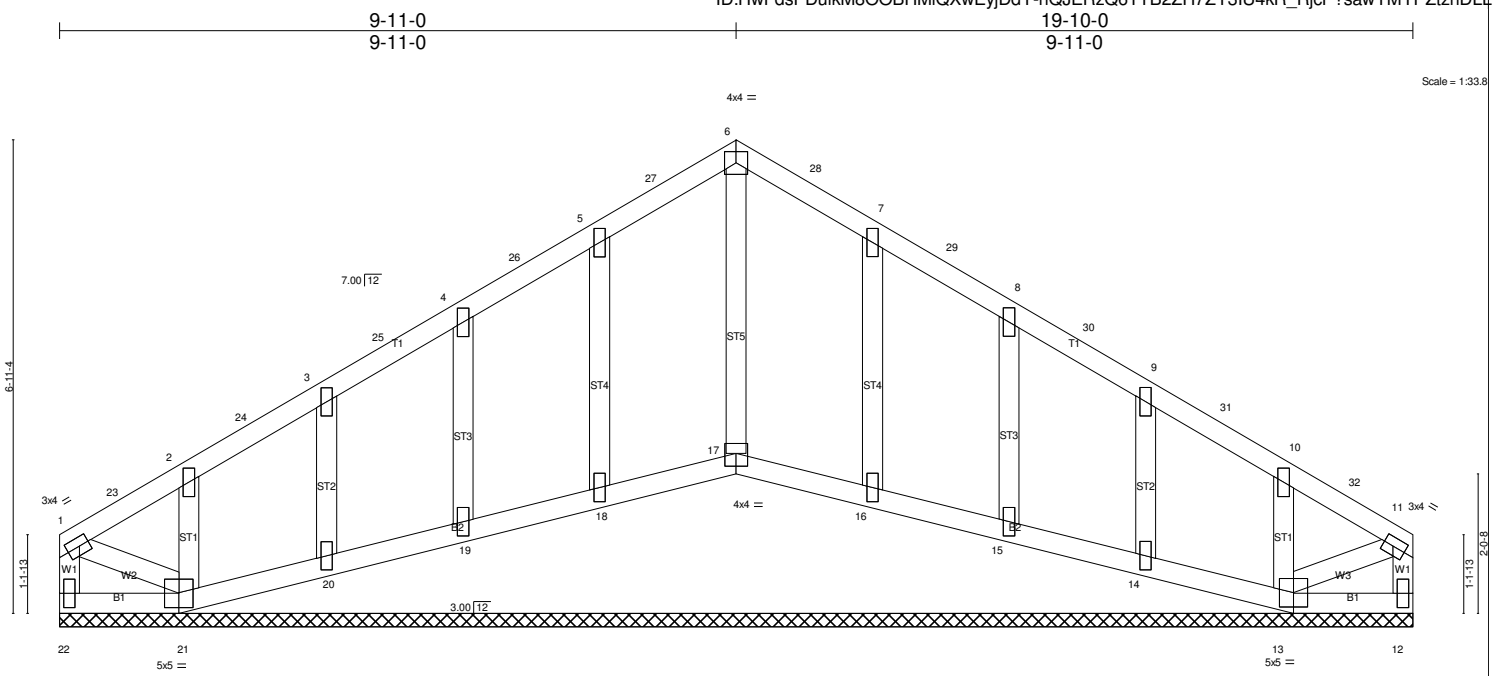

Plate Offsets (X,Y)-- [1:0-1-12,0-1-8], [11:0-1-12,0-1-8], [17:0-2-0,0-2-4]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.03	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr YES	WB	0.13	Horz(TL)	0.00	13	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 85 lb	FT = 4%
BCDL	10.0										

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3
OTHERS 2x4 SPF No.3

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, Except:
10-0-0 oc bracing: 21-22,12-13.

REACTIONS. All bearings 19-10-0.
(lb) - Max Horz 22=-168(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 22, 17, 12 except 21=-195(LC 9), 13=-195(LC 9), 18=-102(LC 9), 19=-116(LC 9), 20=-110(LC 9), 16=-102(LC 9), 15=-116(LC 9), 14=-110(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 22=319(LC 23), 21=364(LC 24), 17=334(LC 28), 13=364(LC 32), 12=319(LC 33), 18=354(LC 27), 19=357(LC 26), 20=359(LC 25), 16=354(LC 29), 15=357(LC 30), 14=359(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-17=-279/11, 5-18=-314/122, 4-19=-317/136, 3-20=-319/132, 2-21=-324/138, 7-16=-314/122, 8-15=-317/136, 9-14=-319/132, 10-13=-324/138, 1-22=-305/99, 11-12=-305/47

JOINT STRESS INDEX
1 = 0.60, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.31, 6 = 0.55, 7 = 0.31, 8 = 0.31, 9 = 0.31, 10 = 0.31, 11 = 0.60, 12 = 0.31, 13 = 0.31, 14 = 0.31, 15 = 0.31, 16 = 0.31, 17 = 0.39, 18 = 0.31, 19 = 0.31, 20 = 0.31, 21 = 0.31 and 22 = 0.31

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=2ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are 2x5 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22, 17, 12 except (jt=lb) 21=195, 13=195, 18=102, 19=116, 20=110, 16=102, 15=116, 14=110.
12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 21, 17, 13, 18, 19, 20, 16, 15, 14.
13) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
14) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	GE4	GABLE	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:08:57 2016 Page 1
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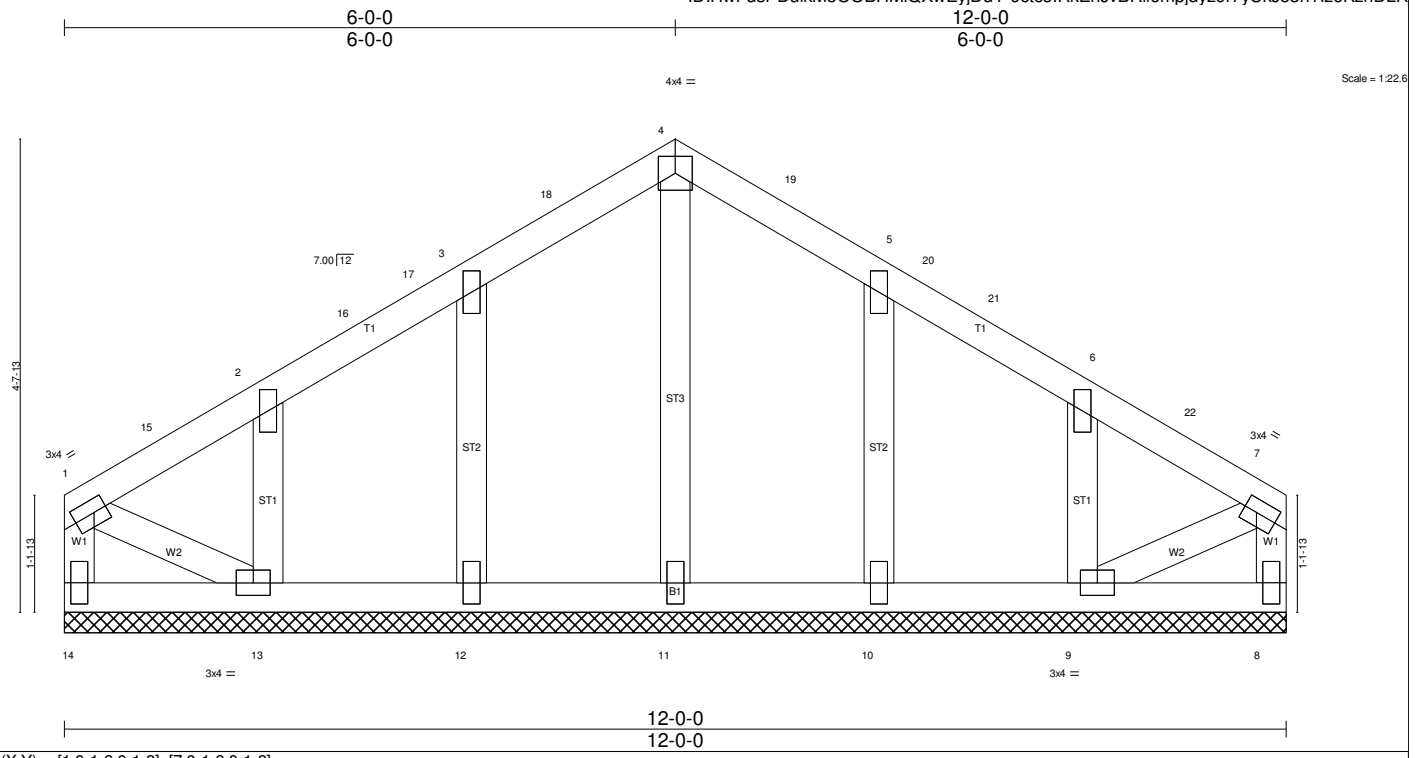

Plate Offsets (X,Y)-- [1:0-1-8,0-1-8], [7:0-1-8,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.23	Vert(LL) n/a - n/a 999	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.04	Vert(TL) n/a - n/a 999	
TCDL 7.0	Rep Stress Incr NO	WB 0.11	Horz(TL) -0.00 8 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 51 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3
OTHERS 2x4 SPF No.3

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

REACTIONS. All bearings 12-0-0.
(lb) - Max Horz 14=-144(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 14, 8 except 12=-106(LC 9), 13=-151(LC 9), 10=-106(LC 9), 9=-151(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 14=321(LC 13), 8=321(LC 20), 11=302(LC 23), 12=357(LC 22), 13=362(LC 21), 10=357(LC 24), 9=362(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-303/49, 7-8=-303/19
WEBS 4-11=-262/6, 3-12=-317/126, 2-13=-319/135, 5-10=-317/126, 6-9=-319/135

JOINT STRESS INDEX
1 = 0.69, 2 = 0.14, 3 = 0.14, 4 = 0.54, 5 = 0.14, 6 = 0.14, 7 = 0.69, 8 = 0.18, 9 = 0.15, 10 = 0.10, 11 = 0.08, 12 = 0.10, 13 = 0.15 and 14 = 0.18

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=2ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are 2x5 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 8 except (jt=lb) 12=106, 13=151, 10=106, 9=151.
12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	GE6	GABLE	2	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:08:58 2016 Page 1
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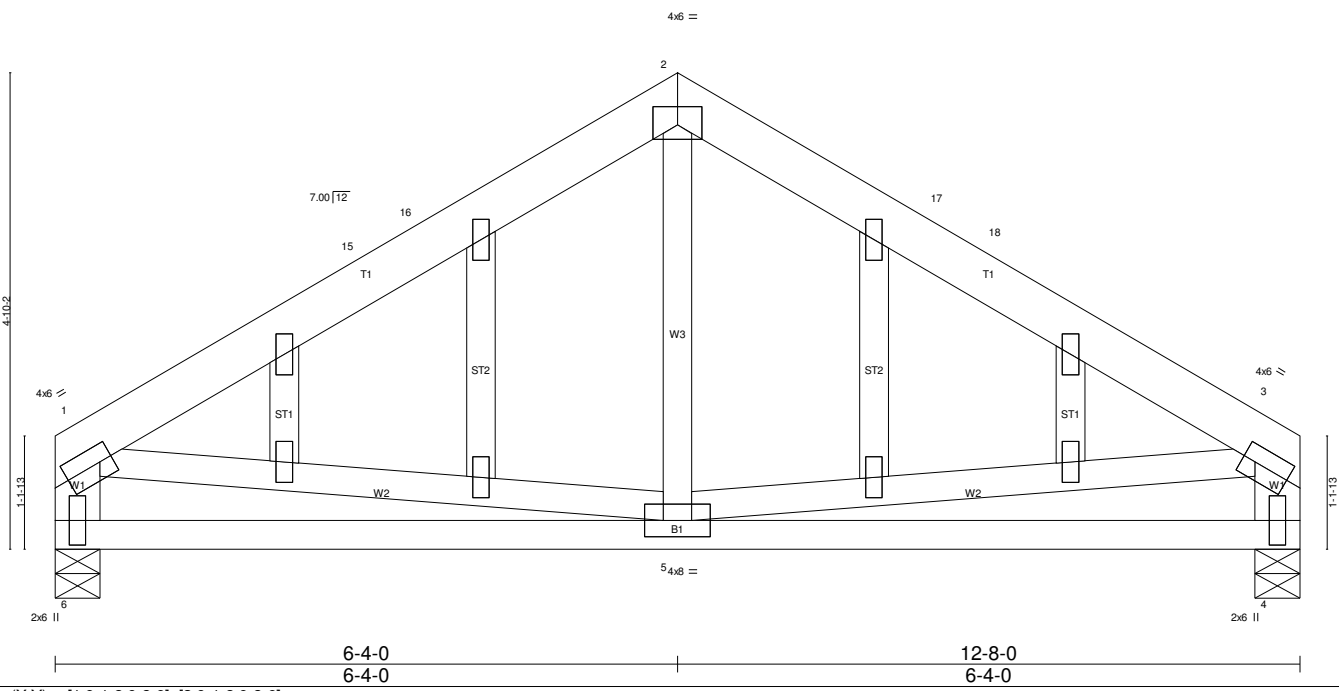

Plate Offsets (X,Y)-- [1:0-1-8,0-2-0], [3:0-1-8,0-2-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.29	Vert(LL)	-0.02	4-5	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.24	Vert(TL)	-0.05	4-5	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.01	4	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 70 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x6 SPF No.2
OTHERS 2x4 SPF No.3

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

REACTIONS. (lb/size) 6=696/0-5-8, 4=696/0-5-8
Max Horz 6=-146(LC 7)
Max Uplift6=-227(LC 9), 4=-227(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-789/252, 15-16=-644/252, 2-16=-528/265, 2-17=-528/265, 17-18=-644/252, 3-18=-789/252, 1-6=-634/258, 3-4=-634/258
BOT CHORD 5-6=-137/401, 4-5=-132/401
WEBS 1-5=-93/301, 3-5=-111/301

JOINT STRESS INDEX
1 = 0.80, 2 = 0.96, 3 = 0.80, 4 = 0.99, 5 = 0.20, 6 = 0.99, 7 = 0.00, 8 = 0.00, 9 = 0.00, 10 = 0.00, 11 = 0.00, 12 = 0.00, 13 = 0.00 and 14 = 0.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are 2x5 MT20 unless otherwise indicated.
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) except (jt=lb) 6=227, 4=227.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	GE6A	SPECIAL	2	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:08:59 2016 Page 1
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14-5-0 / 14-5-0 — 24-2-6 / 9-9-6

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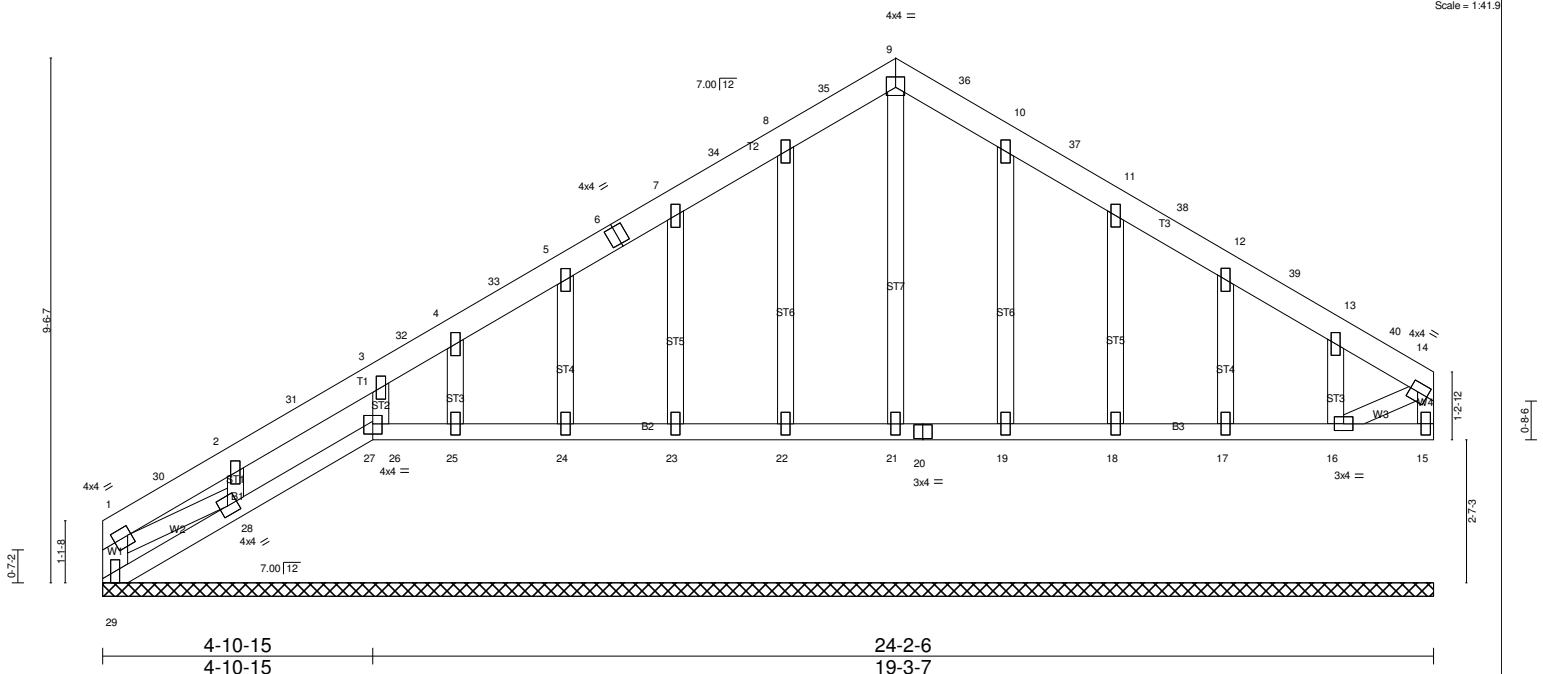

4-10-15 / 4-10-15 — 24-2-6 / 19-3-7

Plate Offsets (X,Y)-- [1:0-0-12,0-2-0], [9:0-2-0,0-2-4], [14:0-1-12,0-2-0], [27:0-2-0,0-2-4], [28:0-1-12,0-2-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.12	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.20	Horz(TL)	-0.00	15	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 124 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x6 SPF No.2
OTHERS 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 26-27.

REACTIONS. All bearings 24-2-6.
(lb) - Max Horz 29=-250(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 15, 22, 25, 19 except 29=-168(LC 7), 23=-125(LC 9), 24=-115(LC 9), 26=-165(LC 9), 28=-252(LC 9), 18=-125(LC 9), 17=-113(LC 9), 16=-146(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 27 except 29=330(LC 13), 15=318(LC 26), 21=271(LC 33), 22=316(LC 32), 23=325(LC 31), 24=335(LC 30), 25=322(LC 29), 26=270(LC 28), 28=381(LC 27), 19=323(LC 3), 18=325(LC 35), 17=335(LC 36), 16=342(LC 37)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-29=-313/52, 8-35=-116/250, 9-35=-53/256, 9-36=-53/256, 10-36=-116/250, 14-15=-303/40
WEBS 8-22=-276/90, 7-23=-285/145, 5-24=-294/136, 4-25=-285/98, 3-26=-313/137, 2-28=-328/186, 10-19=-283/90, 11-18=-285/145, 12-17=-294/134, 13-16=-300/127

JOINT STRESS INDEX
1 = 0.58, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.31, 6 = 0.53, 7 = 0.31, 8 = 0.31, 9 = 0.45, 10 = 0.31, 11 = 0.31, 12 = 0.31, 13 = 0.31, 14 = 0.48, 15 = 0.31, 16 = 0.54, 17 = 0.31, 18 = 0.31, 19 = 0.31, 20 = 0.26, 21 = 0.31, 22 = 0.31, 23 = 0.31, 24 = 0.31, 25 = 0.31, 26 = 0.00, 27 = 0.44, 28 = 0.48 and 29 = 0.32

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=2ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are 2x5 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 22, 25, 19 except (jt=lb) 29=168, 23=125, 24=115, 26=165, 28=252, 18=125, 17=113, 16=146.
12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 27, 15, 21, 22, 23, 24, 25, 26, 28, 19, 18, 17, 16.
13) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
14) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	GE9	SCISSORS	2	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:00 2016 Page 1
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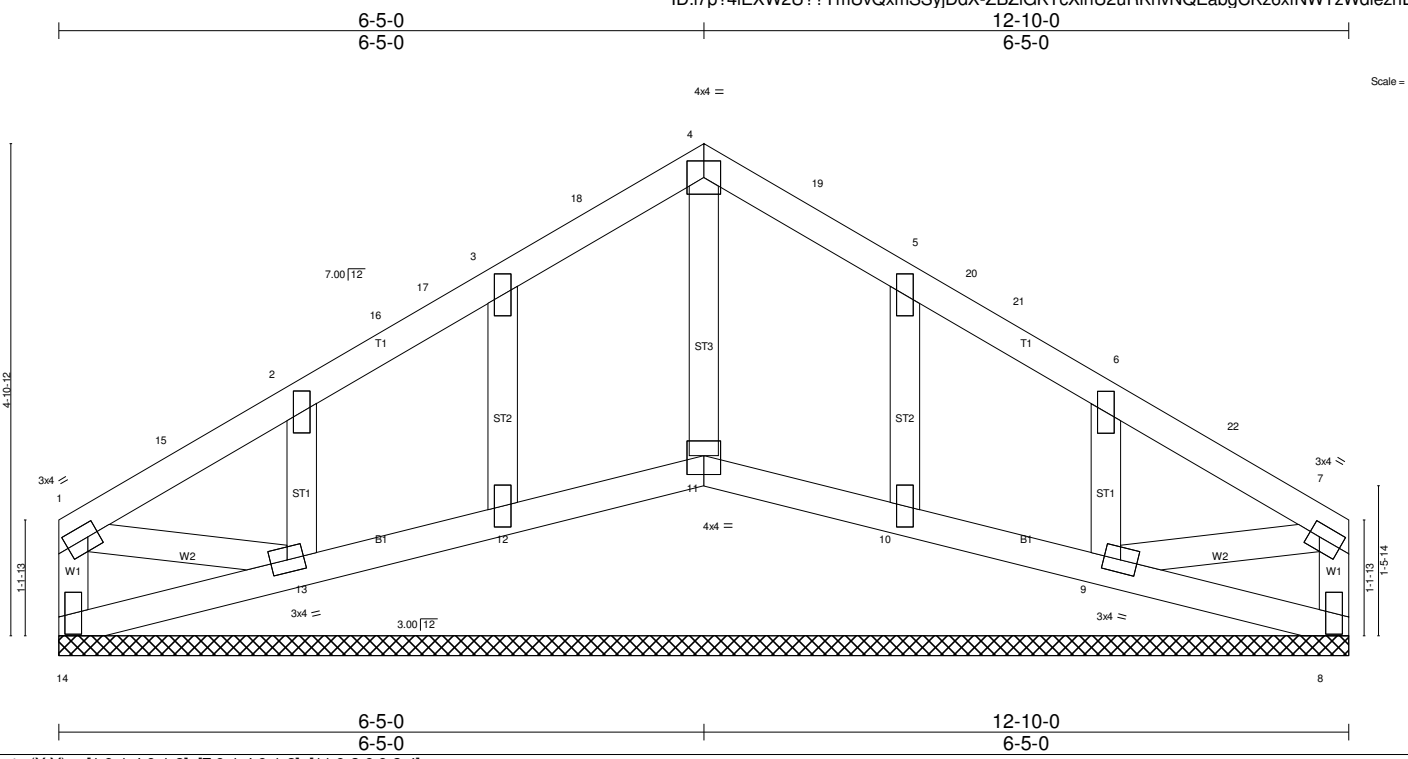

Plate Offsets (X,Y)-- [1:0-1-4,0-1-8], [7:0-1-4,0-1-8], [11:0-2-0,0-2-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.05	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.07	Horz(TL)	-0.00	8	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 51 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3
OTHERS 2x4 SPF No.3

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

REACTIONS. All bearings 12-10-0.
(lb) - Max Horz 14=154(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 14, 11, 8 except 12=-104(LC 9), 13=-164(LC 9), 10=-104(LC 9), 9=-164(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 14=330(LC 13), 11=337(LC 23), 8=330(LC 20), 12=357(LC 22), 13=374(LC 21), 10=357(LC 24), 9=374(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-311/27, 7-8=-311/27
WEBS 4-11=-279/10, 3-12=-319/123, 2-13=-325/150, 5-10=-319/123, 6-9=-325/150

JOINT STRESS INDEX
1 = 0.70, 2 = 0.14, 3 = 0.14, 4 = 0.55, 5 = 0.14, 6 = 0.14, 7 = 0.70, 8 = 0.23, 9 = 0.17, 10 = 0.10, 11 = 0.26, 12 = 0.10, 13 = 0.17 and 14 = 0.23

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=2ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are 2x5 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 11, 8 except (jt=lb) 12=104, 13=164, 10=104, 9=164.
12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 11, 12, 13, 10, 9.
13) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
14) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	GE10	GABLE	2	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:01 2016 Page 1
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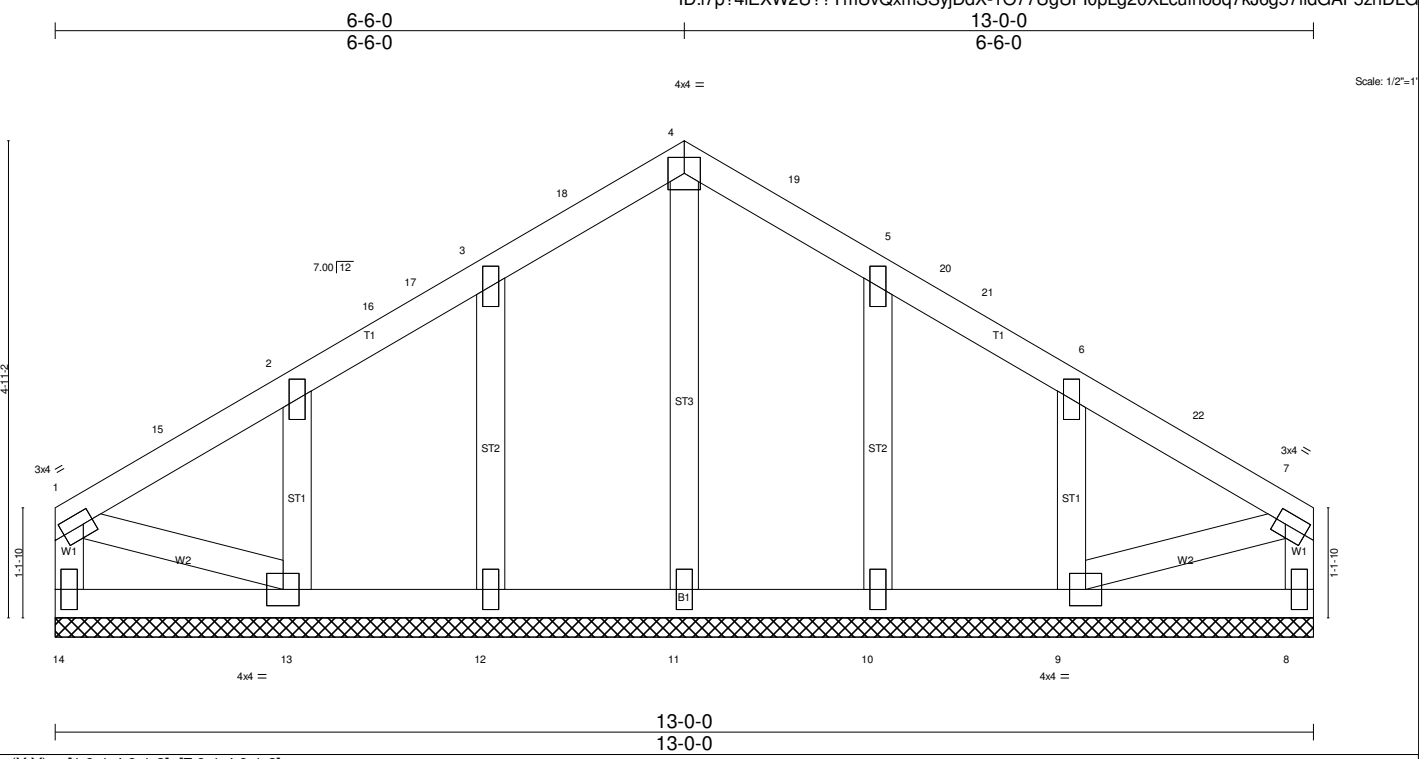

Plate Offsets (X,Y)-- [1:0-1-4,0-1-8], [7:0-1-4,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.06	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	NO	WB	0.17	Horz(TL)	0.00	8	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 56 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3
OTHERS 2x4 SPF No.3

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

REACTIONS. All bearings 13-0-0.
(lb) - Max Horz 14=152(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 14, 8 except 12=-101(LC 9), 13=-164(LC 9), 10=-101(LC 9), 9=-164(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 14=332(LC 13), 8=332(LC 20), 11=402(LC 1), 12=504(LC 2), 13=547(LC 1), 10=504(LC 3), 9=547(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-309/38, 7-8=-309/11
WEBS 4-11=-363/7, 3-12=-463/120, 2-13=-495/154, 5-10=-463/120, 6-9=-495/154

JOINT STRESS INDEX
1 = 0.77, 2 = 0.22, 3 = 0.20, 4 = 0.88, 5 = 0.20, 6 = 0.22, 7 = 0.77, 8 = 0.26, 9 = 0.19, 10 = 0.16, 11 = 0.13, 12 = 0.16, 13 = 0.19 and 14 = 0.26

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=2ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are 2x5 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 8 except (jt=lb) 12=101, 13=164, 10=101, 9=164.
12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Load case(s) 1, 2, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
14) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-218, 4-7=-218, 8-14=-20
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-17=-218, 4-17=-241, 4-7=-162, 8-14=-20
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-162, 4-20=-241, 7-20=-218, 8-14=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	GE20	GABLE	2	1	Job Reference (optional)

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ID:AiV8imHPpzsZs?V2bYUT44yjDdU-VagVh0Vt3JxCHCajvJPuJ?h0Y8fmPXmoxH?knXznDLF

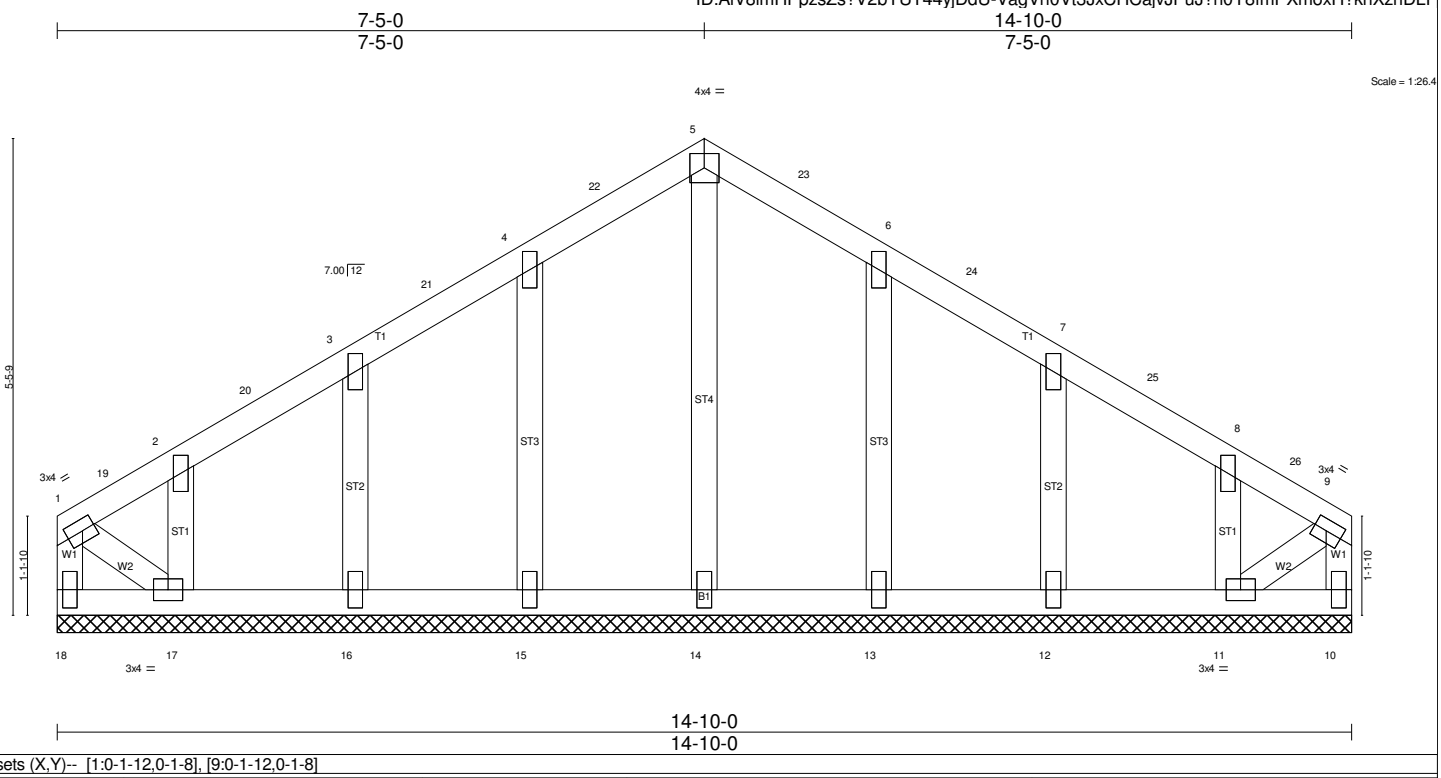

Plate Offsets (X,Y)-- [1:0-1-12,0-1-8], [9:0-1-12,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.03	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	NO	WB	0.21	Horz(TL)	0.00	10	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 64 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3
OTHERS 2x4 SPF No.3

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

REACTIONS. All bearings 14-10-0.
(lb) - Max Horz 18=-167(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 18, 10 except 15=-103(LC 9), 16=-119(LC 9), 17=-155(LC 9), 13=-103(LC 9), 12=-119(LC 9), 11=-155(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 18=309(LC 13), 10=309(LC 22), 14=410(LC 1), 15=528(LC 2), 16=493(LC 2), 17=386(LC 2), 13=528(LC 3), 12=493(LC 3), 11=386(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-297/94, 9-10=-297/45
WEBS 5-14=-370/12, 4-15=-489/122, 3-16=-451/140, 2-17=-379/115, 6-13=-489/122, 7-12=-451/140, 8-11=-379/115

JOINT STRESS INDEX
1 = 0.54, 2 = 0.17, 3 = 0.20, 4 = 0.21, 5 = 0.86, 6 = 0.21, 7 = 0.20, 8 = 0.17, 9 = 0.54, 10 = 0.13, 11 = 0.19, 12 = 0.16, 13 = 0.17, 14 = 0.13, 15 = 0.17, 16 = 0.16, 17 = 0.19 and 18 = 0.13

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=2ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are 2x5 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 10 except (jt=lb) 15=103, 16=119, 17=155, 13=103, 12=119, 11=155.
12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Load case(s) 1, 2, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
14) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-218, 5-9=-218, 10-18=-20
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-21=-218, 5-21=-245, 5-9=-162, 10-18=-20
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-162, 5-24=-245, 9-24=-218, 10-18=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	GE20A	GABLE	2	1	Job Reference (optional)

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ID:AiV8imHPpzsZs?V2bYUT44yjDdU-_mEtvMWVqd33vM9vT1w7sDDBFY?s8wUy9xlHJzznDLE

12-1-0
12-1-0

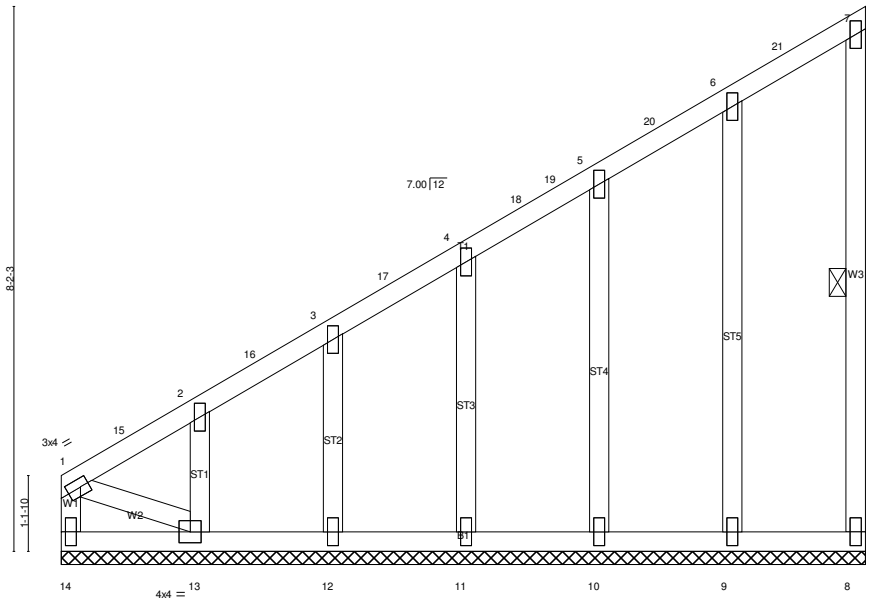

Plate Offsets (X,Y)-- [1:0-1-8,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.24	Vert(LL) n/a - n/a 999	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.04	Vert(TL) n/a - n/a 999	
TCDL 7.0	Rep Stress Incr NO	WB 0.50	Horz(TL) -0.00 8 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 65 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3
OTHERS 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-8

REACTIONS. All bearings 12-1-0.
(lb) - Max Horz 14=413(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 14, 8 except 9=-110(LC 9), 10=-114(LC 9), 11=-113(LC 9), 12=-106(LC 9), 13=-315(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 14=367(LC 9), 8=320(LC 20), 9=570(LC 2), 10=536(LC 2), 11=476(LC 1), 12=476(LC 1), 13=509(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-346/92, 1-15=-415/111, 2-15=-412/116, 2-16=-334/86, 3-16=-330/105, 3-17=-260/69, 4-17=-256/106, 7-8=-305/53
BOT CHORD 13-14=-375/119
WEBS 6-9=-534/135, 5-10=-494/133, 4-11=-436/133, 3-12=-434/130, 2-13=-445/145, 1-13=-131/412

JOINT STRESS INDEX
1 = 0.73, 2 = 0.19, 3 = 0.19, 4 = 0.19, 5 = 0.22, 6 = 0.23, 7 = 0.24, 8 = 0.14, 9 = 0.19, 10 = 0.17, 11 = 0.15, 12 = 0.15, 13 = 0.22 and 14 = 0.30

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=2ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are 2x5 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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 8 except (jt=lb) 9=110, 10=114, 11=113, 12=106, 13=315.
12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Load case(s) 1, 2, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
14) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-7=-218, 8-14=-20
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-19=-218, 7-19=-257, 8-14=-20
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-7=-162, 8-14=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	GE33	GABLE	1	1	Job Reference (optional)

Universal Forest Products

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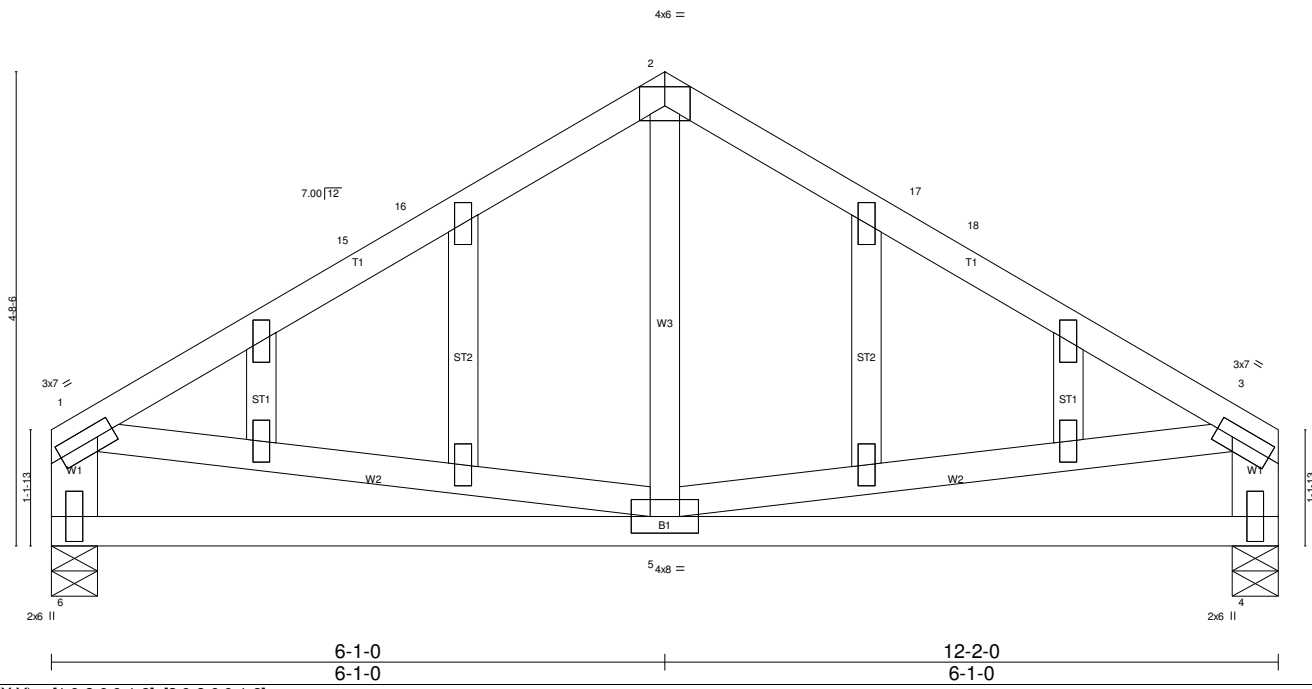

Plate Offsets (X,Y)-- [1:0-2-0,0-1-8], [3:0-2-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.58	Vert(LL)	-0.02	5-6	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.22	Vert(TL)	-0.04	5-6	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.01	4	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 59 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x6 SPF No.2
OTHERS 2x4 SPF No.3

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

REACTIONS. (lb/size) 6=667/0-5-8, 4=667/0-5-8
Max Horz 6=-146(LC 7)
Max Uplift6=-218(LC 9), 4=-218(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-738/239, 15-16=-599/239, 2-16=-488/251, 2-17=-488/251, 17-18=-599/239, 3-18=-738/239, 1-6=-607/247, 3-4=-607/247
BOT CHORD 5-6=-157/378, 4-5=-136/378
WEBS 1-5=-107/296, 3-5=-115/296

JOINT STRESS INDEX
1 = 0.92, 2 = 1.00, 3 = 0.92, 4 = 0.92, 5 = 0.21, 6 = 0.92, 7 = 0.00, 8 = 0.00, 9 = 0.00, 10 = 0.00, 11 = 0.00, 12 = 0.00, 13 = 0.00 and 14 = 0.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=6ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are 2x5 MT20 unless otherwise indicated.
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) except (jt=lb) 6=218, 4=218.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	GE34	GABLE	1	1	Job Reference (optional)

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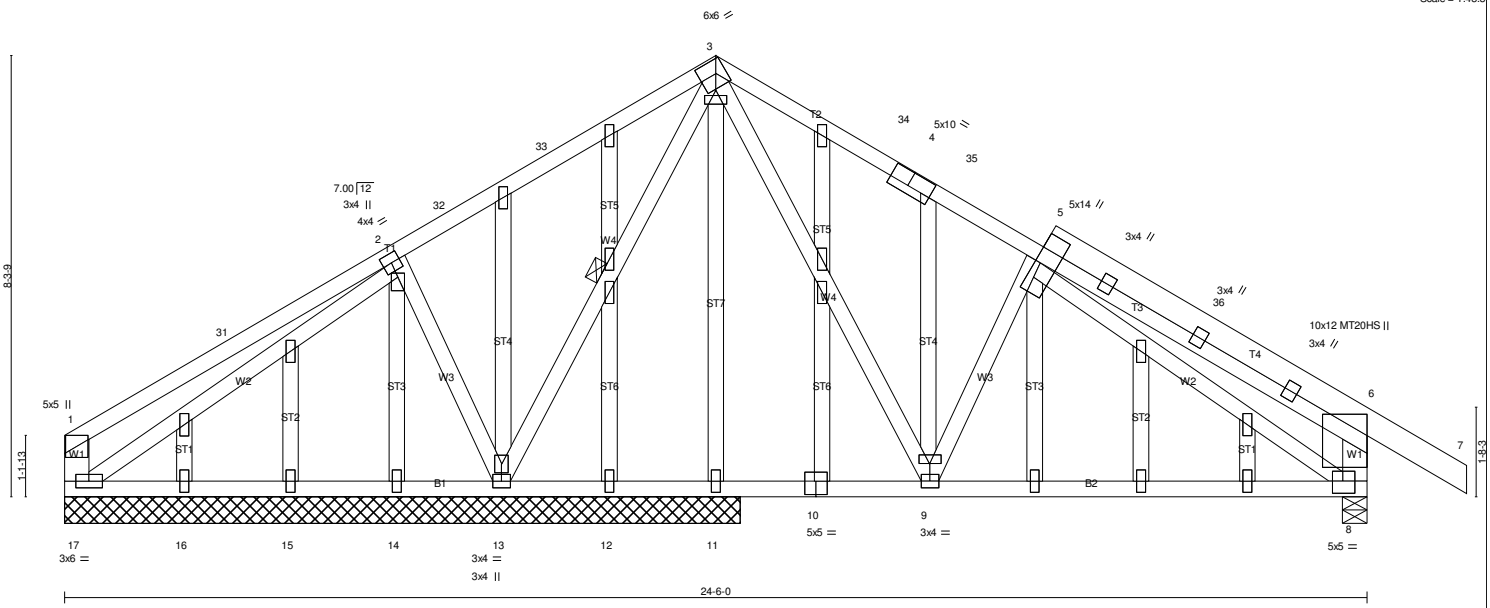
ID:nltX1WhAB2yn3vk3cv1827yiUPm-SzoG6iW7bxBvXWk60kRMPQmCExDetJw5ObUrsQznDLD

6-1-10 | 12-1-6 | 18-1-2 | 24-4-6
6-1-10 | 5-11-12 | 5-11-12 | 6-3-4

Scale = 1:43.3



8-1-0 | 16-1-12 | 24-4-6
8-1-0 | 8-0-12 | 8-2-10

Plate Offsets (X,Y)-- [2:0-0-15,0-1-8], [3:0-2-8,0-1-2], [3:0-3-12,0-3-0], [4:0-4-8,0-3-4], [6:0-8-14,0-0-0], [8:0-2-4,0-2-12], [9:0-2-8,0-0-3], [10:0-2-8,0-3-0], [13:0-1-14,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.07	8-9	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.46	Vert(TL)	-0.18	8-9	>799	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	0.74	Horz(TL)	0.02	8	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 178 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2 *Except*
T4: 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x6 SPF No.2
OTHERS 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-4-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-13

REACTIONS. All bearings 12-8-8 except (jt=length) 8=0-5-8.
(lb) - Max Horz 17=-272(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 16 except 17=-135(LC 9), 8=-444(LC 9), 13=-534(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 11, 12, 14, 15, 16 except 17=400(LC 2), 8=1088(LC 3), 13=1319(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-31=-422/285, 2-31=-269/298, 3-33=-23/267, 3-34=-633/414, 4-34=-642/400, 4-35=-672/395, 5-35=-787/388, 5-36=-279/187, 6-36=-455/164, 1-17=-413/281, 6-8=-619/367
BOT CHORD 12-13=-75/303, 11-12=-75/303, 10-11=-75/303, 9-10=-75/303, 8-9=-88/750
WEBS 2-13=-604/369, 3-13=-959/241, 3-9=-225/602, 5-9=-477/307, 5-8=-671/186

JOINT STRESS INDEX
1 = 0.77, 2 = 0.42, 2 = 0.87, 3 = 0.87, 3 = 0.63, 4 = 0.57, 5 = 0.46, 5 = 0.00, 5 = 0.91, 5 = 0.91, 5 = 0.91, 6 = 0.61, 8 = 0.78, 9 = 0.60, 9 = 0.77, 10 = 0.27, 11 = 0.31, 12 = 0.31, 13 = 0.54, 13 = 0.82, 14 = 0.31, 15 = 0.31, 16 = 0.31, 17 = 0.43, 18 = 0.31, 18 = 0.31, 19 = 0.31, 20 = 0.31, 21 = 0.31, 22 = 0.31, 23 = 0.31, 24 = 0.31, 24 = 0.31, 25 = 0.00, 26 = 0.31, 27 = 0.31, 28 = 0.31, 29 = 0.31 and 30 = 0.31

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=6ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
7) All plates are MT20 plates unless otherwise indicated.
8) All plates are 2x5 MT20 unless otherwise indicated.
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.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16 except (jt=lb) 17=135, 8=444, 13=534.
12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	GE35	GABLE	1	1	Job Reference (optional)

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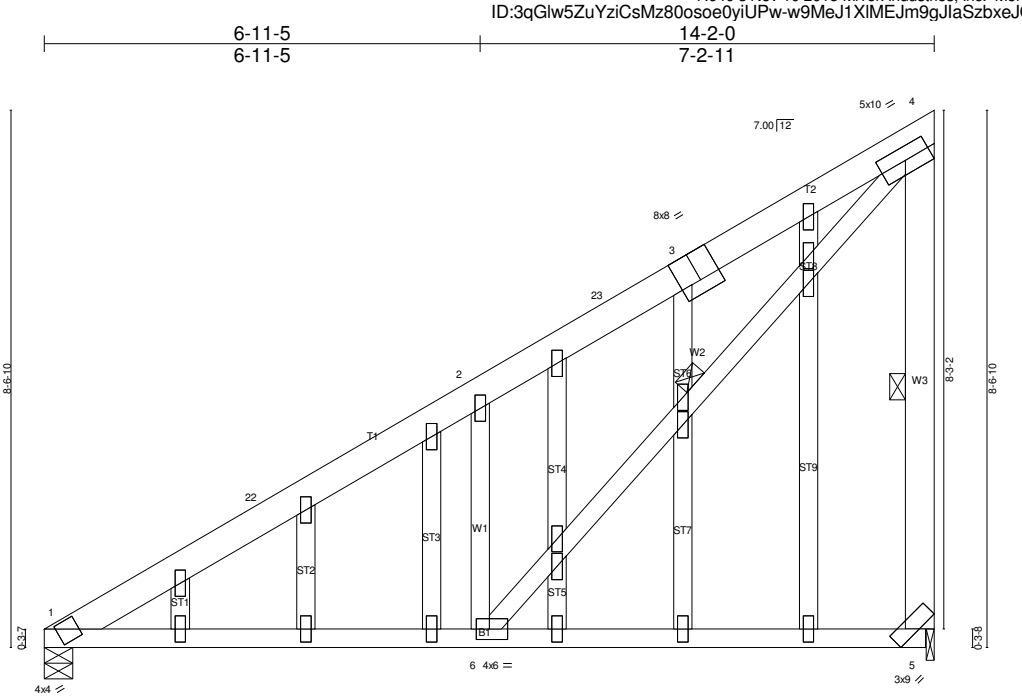

Plate Offsets (X,Y)-- [1:0-1-11,0-0-8], [3:0-4-0,Edge], [4:0-4-15,0-2-8], [5:0-3-1,Edge], [6:0-2-8,0-2-0]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.79	Vert(LL)	-0.13	1-6	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.70	Vert(TL)	-0.20	1-6	>812	240		
TCDL	7.0	Rep Stress Incr NO	WB	0.87	Horz(TL)	0.02	5	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 100 lb	FT = 4%
BCDL	10.0										

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W3: 2x6 SPF No.2
OTHERS 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-5, 4-6

REACTIONS. (lb/size) 1=1348/0-5-8, 5=1065/0-1-8
Max Horz 1=413(LC 6)
Max Uplift1=-204(LC 9), 5=-307(LC 9)
Max Grav1=1386(LC 2), 5=1240(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-22=-1769/213, 2-22=-1498/229, 2-23=-1869/476, 3-23=-1599/487, 3-4=-1559/502, 4-5=-1166/347
BOT CHORD 1-6=-265/1347
WEBS 2-6=-1314/483, 4-6=-569/1959

JOINT STRESS INDEX
1 = 0.85, 2 = 0.57, 3 = 0.41, 4 = 0.74, 5 = 0.57, 6 = 0.94, 7 = 0.00, 8 = 0.00, 9 = 0.00, 9 = 0.00, 10 = 0.00, 11 = 0.00, 12 = 0.00, 12 = 0.00, 13 = 0.00, 14 = 0.00, 15 = 0.00, 15 = 0.00, 16 = 0.00, 17 = 0.00, 18 = 0.00, 19 = 0.00, 20 = 0.00 and 21 = 0.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=6ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are 2x5 MT20 unless otherwise indicated.
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) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=204, 5=307.
12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) Load case(s) 1, 2, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
14) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-20
Trapezoidal Loads (plf)
Vert: 1=-218-to-4=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-20

Continued on page 2

LOAD CASE(S) Standard
Trapezoidal Loads (plf)
Vert: 1=-218-to-23=-138, 23=-182-to-4=-138
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-20
Trapezoidal Loads (plf)
Vert: 1=-162-to-4=-38

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	J2A	JACK	6	1	Job Reference (optional)

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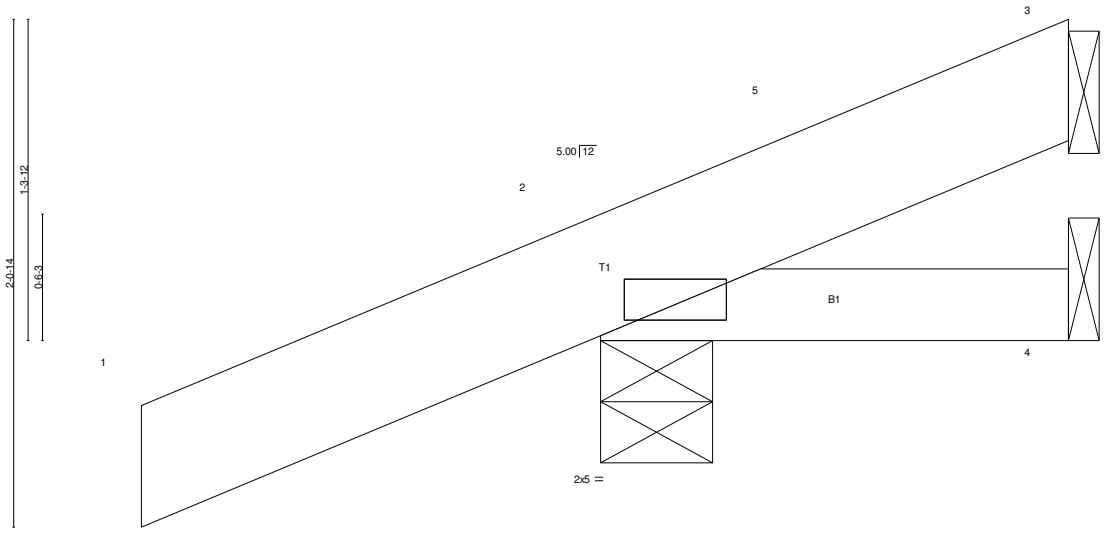

Plate Offsets (X,Y)-- [2:0-6-3,0-0-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.55	Vert(LL) -0.00 2 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.03	Vert(TL) -0.00 2-4 >999 240	
TCDL 7.0	Rep Stress Incr NO	WB 0.00	Horz(TL) -0.00 3 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 10 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2

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

REACTIONS. (lb/size) 3=-15/Mechanical, 2=856/0-5-8, 4=19/Mechanical
Max Horz 2=102(LC 9)
Max Uplift3=-169(LC 13), 2=-232(LC 9)
Max Grav 3=299(LC 16), 2=1015(LC 13), 4=37(LC 4)

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

JOINT STRESS INDEX
2 = 0.85

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=169, 2=232.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-218, 2-4=-20
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-218, 2-3=-228, 2-4=-20
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-162, 2-4=-20
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-298, 2-3=-138, 2-4=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	J2B	JACK	12	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:06 2016 Page 1
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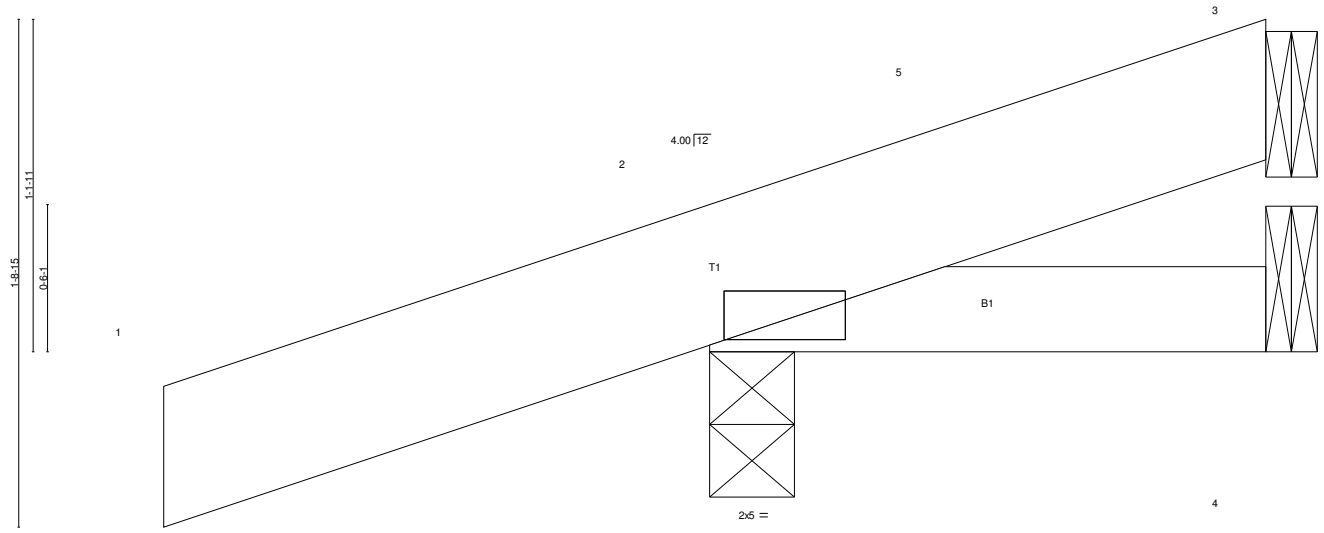

Plate Offsets (X,Y)-- [2:0-0-10,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	-0.00	2	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.03	Vert(TL)	-0.00	2-4	>999	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 10 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2

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

REACTIONS. (lb/size) 3=-9/Mechanical, 2=849/0-3-8, 4=19/Mechanical
Max Horz 2=81(LC 9)
Max Uplift3=-161(LC 13), 2=-230(LC 9)
Max Grav 3=299(LC 16), 2=1004(LC 13), 4=37(LC 4)

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

JOINT STRESS INDEX
2 = 0.79

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
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 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=161, 2=230.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-218, 2-4=-20
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-218, 2-3=-227, 2-4=-20
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-162, 2-4=-20
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-298, 2-3=-138, 2-4=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	J4A	JACK	4	1	Job Reference (optional)

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1-10-8 3-10-15

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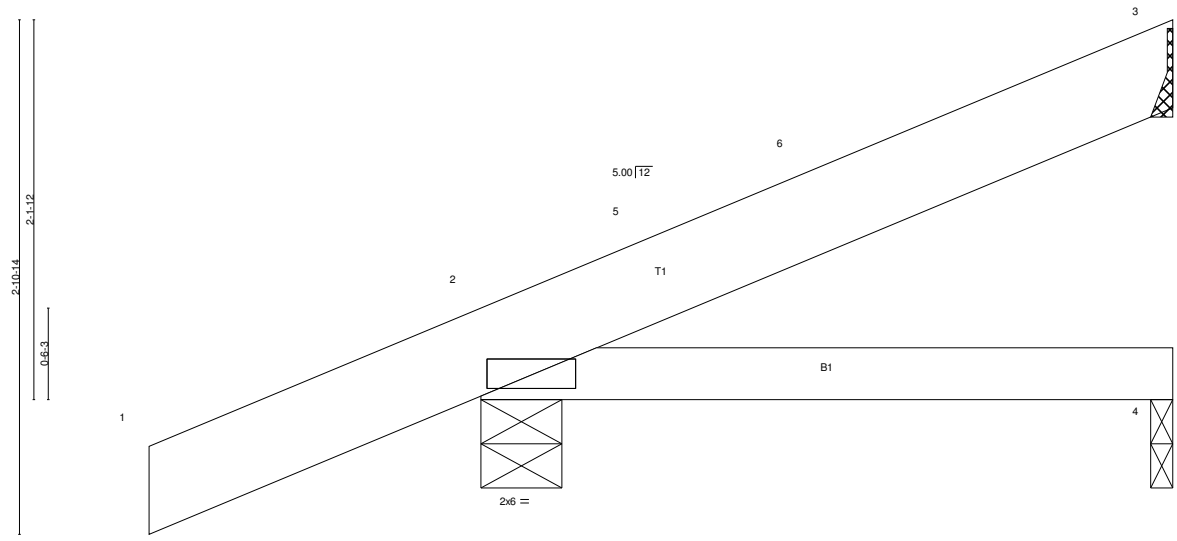

Plate Offsets (X,Y)-- [2:0-6-7,0-0-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.66	Vert(LL) 0.02 2-4 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.14	Vert(TL) -0.03 2-4 >999 240	
TCDL 7.0	Rep Stress Incr NO	WB 0.00	Horz(TL) -0.00 3 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 16 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2

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

REACTIONS. (lb/size) 3=261/Mechanical, 2=1023/0-5-8, 4=36/0-1-8
Max Horz 2=147(LC 9)
Max Uplift3=-62(LC 9), 2=-290(LC 9), 4=-35(LC 5)
Max Grav 3=317(LC 16), 2=1095(LC 13), 4=72(LC 4)

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

JOINT STRESS INDEX
2 = 0.83

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=290.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-218, 2-4=-20
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-218, 3-5=-236, 2-4=-20
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-162, 2-4=-20
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-298, 2-3=-138, 2-4=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	J4B	JACK	10	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:07 2016 Page 1
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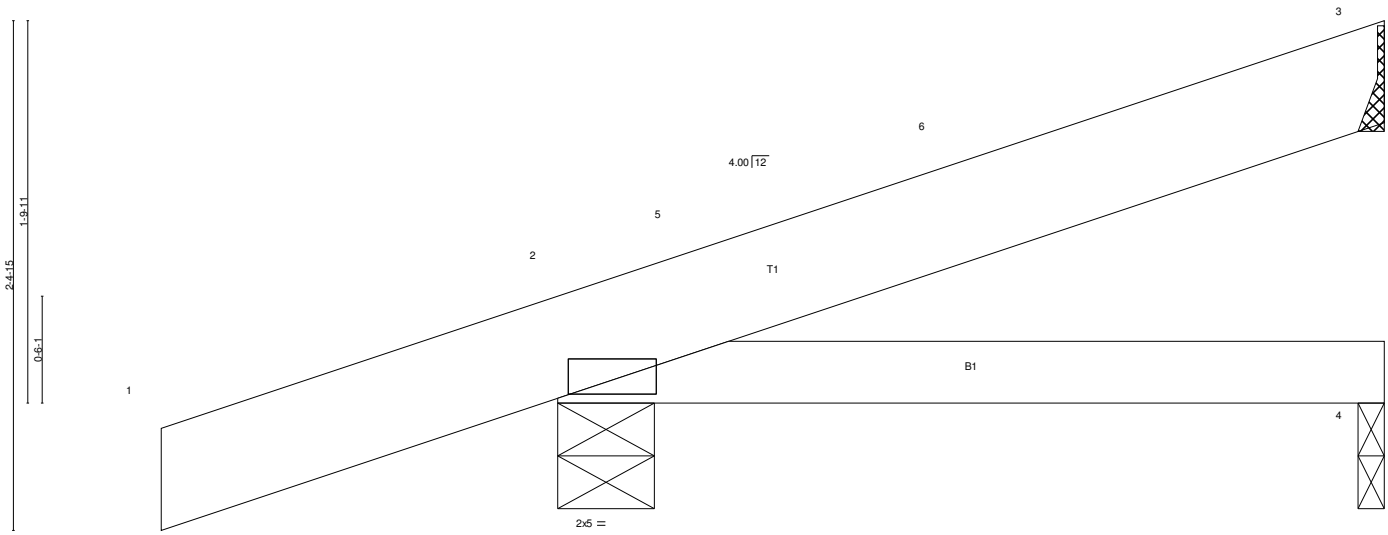

Plate Offsets (X,Y)-- [2:0-0-10,Edge]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.65	Vert(LL) 0.02 2-4 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.14	Vert(TL) -0.03 2-4 >999 240	
TCDL 7.0	Rep Stress Incr NO	WB 0.00	Horz(TL) -0.00 3 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 16 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2

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

REACTIONS. (lb/size) 3=261/Mechanical, 2=1023/0-5-8, 4=36/0-1-8
Max Horz 2=117(LC 9)
Max Uplift3=-56(LC 9), 2=-295(LC 9), 4=-35(LC 5)
Max Grav 3=317(LC 16), 2=1095(LC 13), 4=72(LC 4)

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

JOINT STRESS INDEX
2 = 0.85

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
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 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=295.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-218, 2-4=-20
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-218, 3-5=-234, 2-4=-20
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-162, 2-4=-20
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-298, 2-3=-138, 2-4=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	J4C	MONO TRUSS	2	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:07 2016 Page 1
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3-4-15
3-4-15

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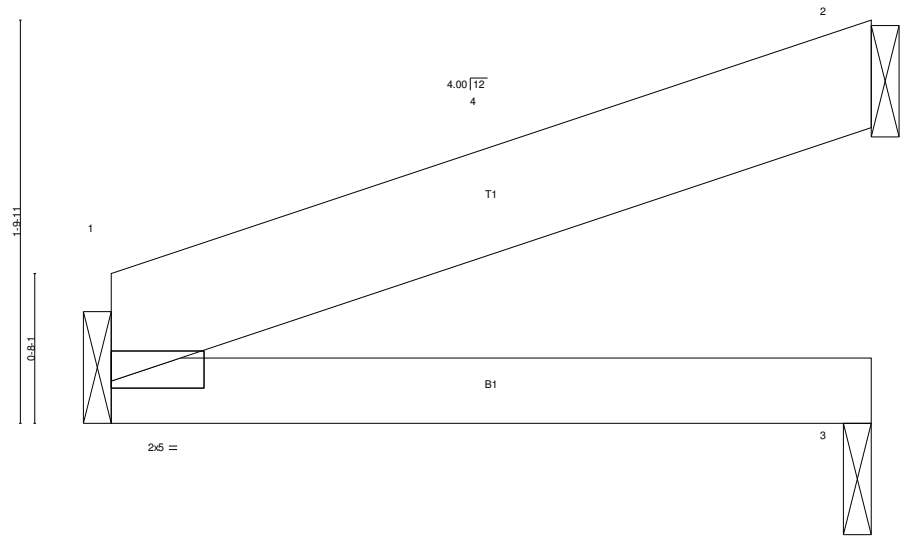

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.30	Vert(LL)	-0.01	1-3	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.12	Vert(TL)	-0.02	1-3	>999	240		
TCDL	7.0	Rep Stress Incr NO	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 11 lb	FT = 4%
BCDL	10.0										

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2

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

REACTIONS. (lb/size) 1=391/Mechanical, 3=33/0-1-8, 2=358/Mechanical
Max Horz 1=78(LC 9)
Max Uplift 1=-93(LC 9), 3=-32(LC 5), 2=-94(LC 9)
Max Grav 1=393(LC 2), 3=66(LC 4), 2=366(LC 2)

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

JOINT STRESS INDEX
1 = 0.25

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 3.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 2.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-20, 1-2=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-20, 1-4=-218, 2-4=-225
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-20, 1-2=-162

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	J13	MONO TRUSS	24	1	Job Reference (optional)

Universal Forest Products

ID:td6wpBOgS1693YGzAegpUByjDdK-sYUOkjZ0tsZUOzTgit?303Omp9Iu4rGY4ZjVSkznDLA

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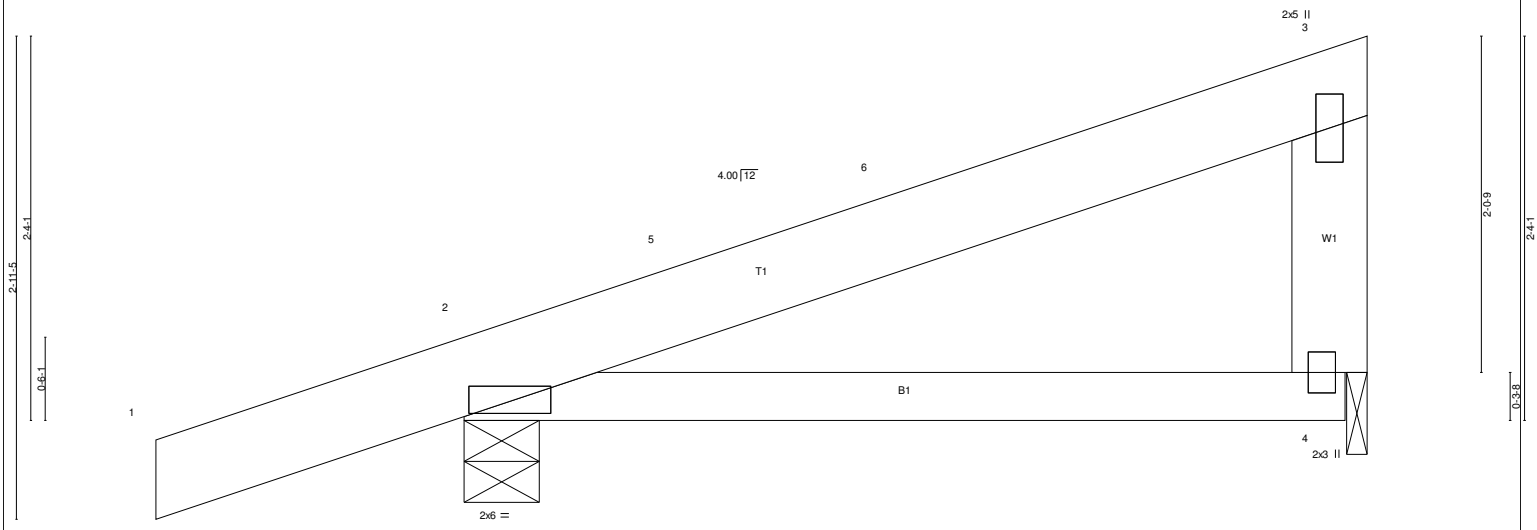

Plate Offsets (X,Y)-- [2:0-6-6,0-0-4], [4:0-1-8,0-1-3]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	0.06	2-4	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.29	Vert(TL)	-0.10	2-4	>625	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00		n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 23 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=1154/0-5-8, 4=504/0-1-8
Max Horz 2=144(LC 9)
Max Uplift 2=-326(LC 9), 4=-155(LC 9)
Max Grav 2=1183(LC 2), 4=551(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-501/106

JOINT STRESS INDEX
2 = 0.81, 3 = 0.31 and 4 = 0.11

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
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 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=326, 4=155.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20, 1-3=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20, 1-5=-218, 3-5=-238
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20, 1-3=-162
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20, 1-2=-298, 2-3=-138

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	J14	MONO TRUSS	14	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:08 2016 Page 1
ID:td6wpBOgS1693YGzAegpUByjDdK-Kk2my3Zee9hL072tFaWIZGxwHZdvpIWhJDS2?BznDL9

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1-10-8 6-0-0

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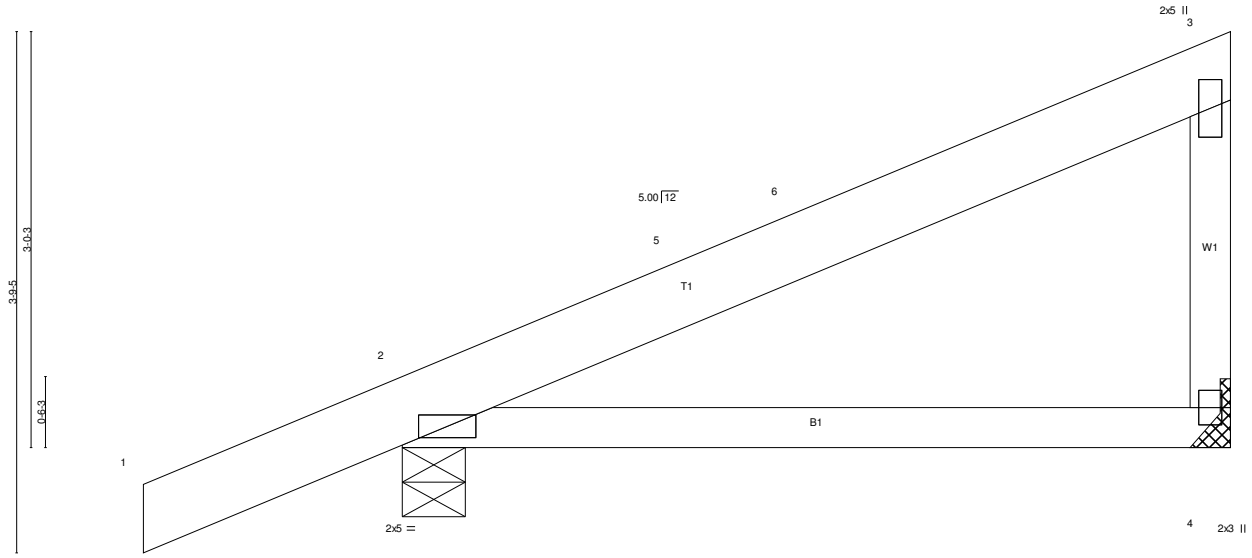

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.73	Vert(LL) 0.09 2-4 >764 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.37	Vert(TL) -0.15 2-4 >450 240	
TCDL 7.0	Rep Stress Incr NO	WB 0.00	Horz(TL) 0.00 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 25 lb FT = 4%
BCDL 10.0				

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

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

REACTIONS. (lb/size) 2=775/0-5-8, 4=543/Mechanical
Max Horz 2=193(LC 9)
Max Uplift2=-330(LC 9), 4=-190(LC 9)
Max Grav 2=803(LC 2), 4=602(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-546/135

JOINT STRESS INDEX
2 = 0.74, 3 = 0.70 and 4 = 0.32

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=330, 4=190.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-3=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-5=-159, 5=-183-to-3=-242
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20
Trapezoidal Loads (plf)
Vert: 1=-38-to-3=-162
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20

Continued on page 2

LOAD CASE(S) Standard
Trapezoidal Loads (plf)
Vert: 1=-174-to-2=-208, 2=-48-to-3=-138

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	J16	MONO TRUSS	5	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:08 2016 Page 1
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1-3-0 6-3-0

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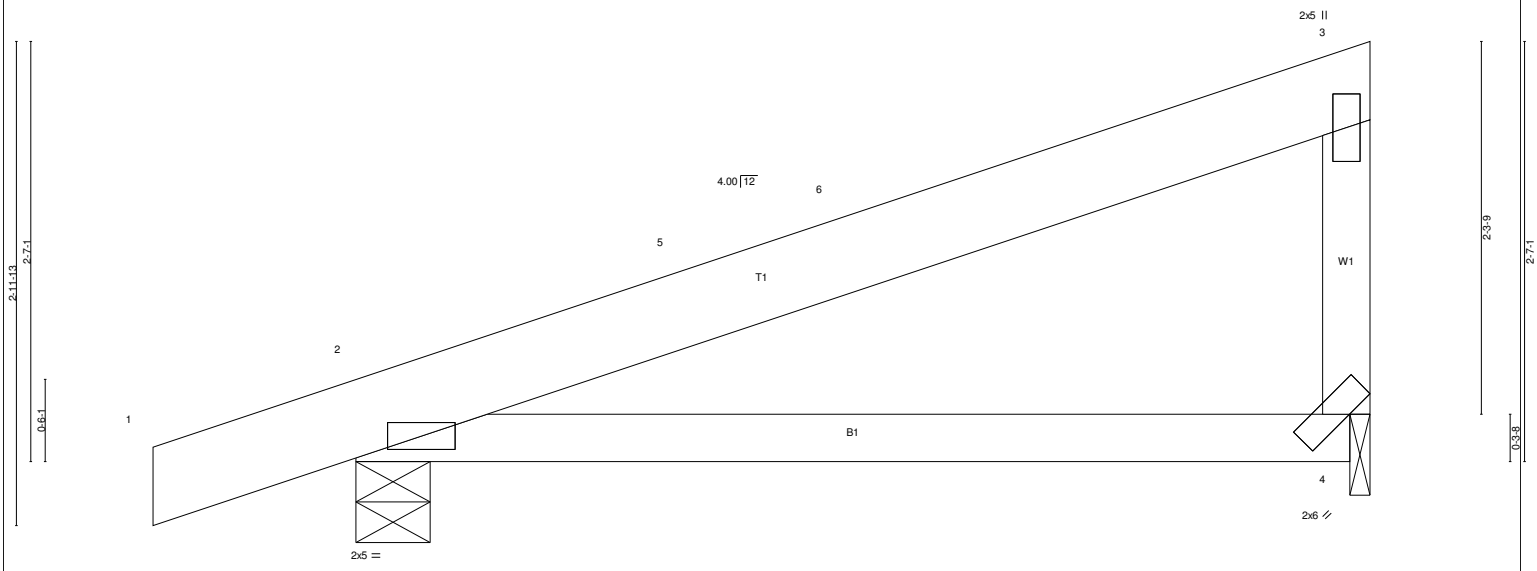

Plate Offsets (X,Y)-- [4:0-2-7,0-0-9]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.84	Vert(LL) 0.11 2-4 >670 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.41	Vert(TL) -0.18 2-4 >395 240	
TCDL 7.0	Rep Stress Incr NO	WB 0.00	Horz(TL) 0.00 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 23 lb FT = 4%
BCDL 10.0				

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

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

REACTIONS. (lb/size) 2=682/0-5-8, 4=583/0-1-8
Max Horz 2=143(LC 9)
Max Uplift 2=-289(LC 9), 4=-204(LC 9)
Max Grav 2=708(LC 2), 4=636(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-577/147

JOINT STRESS INDEX
2 = 0.61, 3 = 0.66 and 4 = 0.07

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
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 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=289, 4=204.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-3=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-5=-152, 5=-172-to-3=-238
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20
Trapezoidal Loads (plf)
Vert: 1=-38-to-3=-162

Continued on page 2

LOAD CASE(S) Standard

13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20
Trapezoidal Loads (plf)
Vert: 1=-174-to-2=-199, 2=-39-to-3=-138

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	J20	SPECIAL	12	1	Job Reference (optional)

Universal Forest Products

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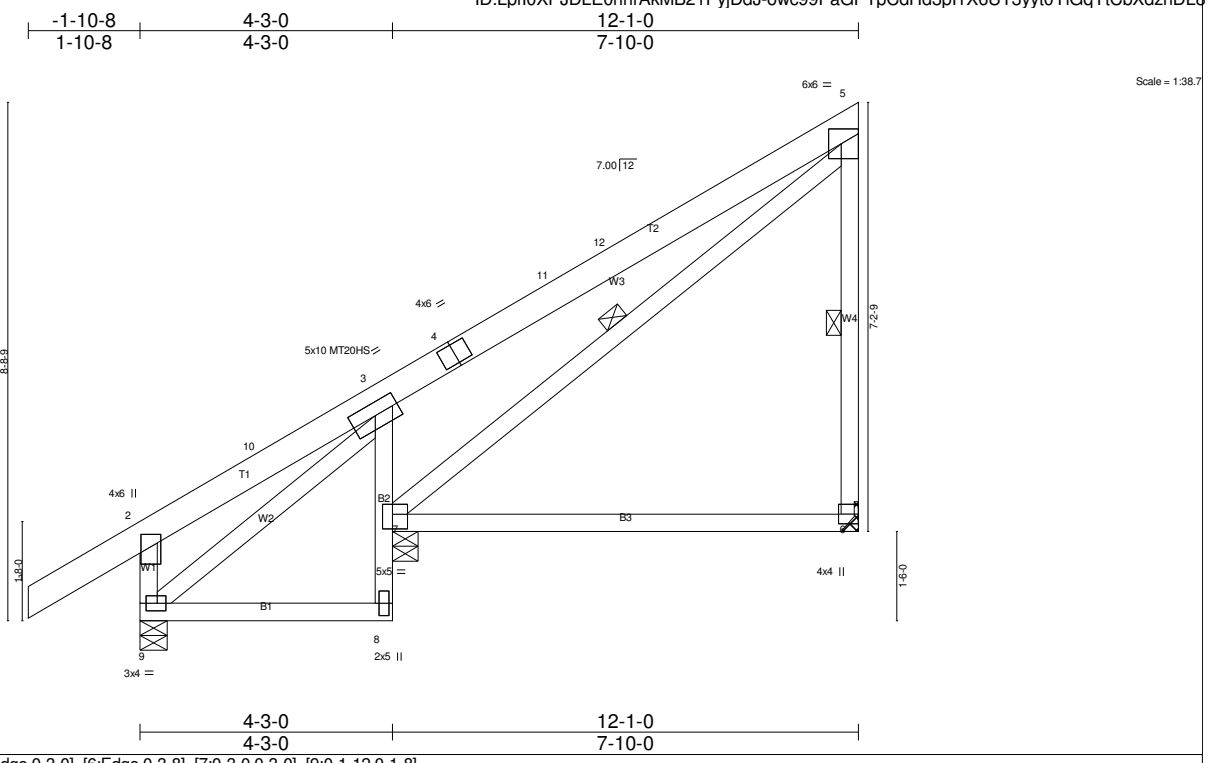

Plate Offsets (X,Y)-- [2:0-3-12,0-0-4], [5:Edge,0-3-0], [6:Edge,0-3-8], [7:0-3-0,0-3-0], [9:0-1-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.86	Vert(LL)	-0.08	6-7	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.76	Vert(TL)	-0.19	6-7	>501	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	NO	WB	0.22	Horz(TL)	-0.01	7	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 72 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W4: 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.
WEBS 1 Row at midpt 5-6, 5-7

REACTIONS. (lb/size) 6=813/Mechanical, 7=1645/0-5-2, 9=789/0-5-8
Max Horz 9=519(LC 9)
Max Uplift6=-206(LC 9), 7=-492(LC 9), 9=-23(LC 7)
Max Grav 6=950(LC 2), 7=1745(LC 2), 9=924(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/303, 2-10=-154/259, 3-10=-29/476, 3-4=-761/0, 4-11=-435/0, 11-12=-309/0, 5-6=-868/238, 2-9=-747/209
BOT CHORD 3-7=-1742/610
WEBS 3-9=-430/165

JOINT STRESS INDEX
2 = 1.00, 3 = 0.93, 4 = 0.87, 5 = 0.98, 6 = 0.95, 7 = 0.89, 8 = 0.41 and 9 = 0.70

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 6=206, 7=492.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-218, 2-5=-218, 8-9=-20, 6-7=-20
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-218, 2-11=-218, 5-11=-262, 8-9=-20, 6-7=-20
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-162, 2-5=-162, 8-9=-20, 6-7=-20
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-298, 2-5=-138, 8-9=-20, 6-7=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	J20A	MONO TRUSS	12	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:09 2016 Page 1
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1-10-8 4-3-0

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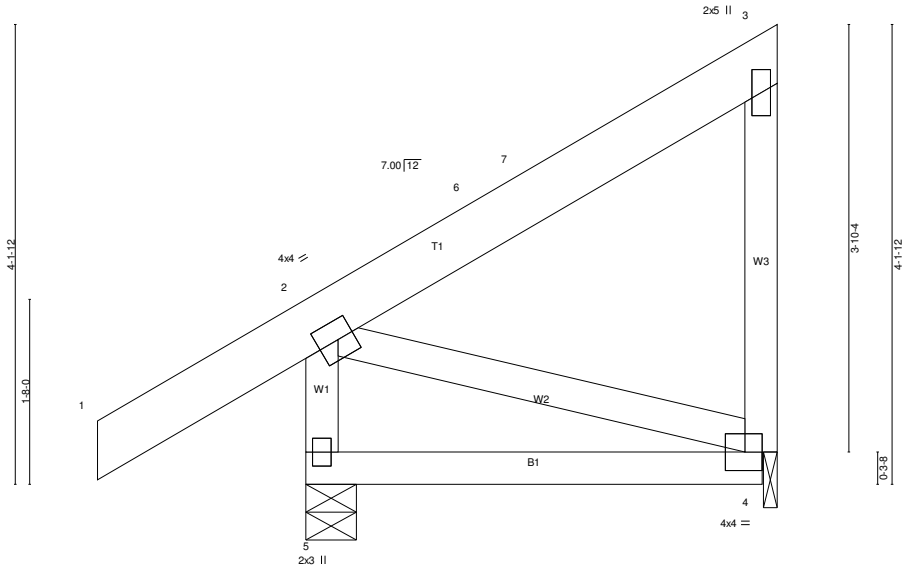

Plate Offsets (X,Y)-- [2:0-1-12,0-2-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.63	Vert(LL) -0.01 4-5 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.17	Vert(TL) -0.04 4-5 >999 240	
TCDL 7.0	Rep Stress Incr NO	WB 0.08	Horz(TL) -0.00 4 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 27 lb FT = 4%
BCDL 10.0				

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

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

REACTIONS. (lb/size) 5=1024/0-5-8, 4=359/0-1-8
Max Horz 5=265(LC 9)
Max Uplift 5=-143(LC 9), 4=-144(LC 9)
Max Grav 5=1069(LC 13), 4=395(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/303, 2-6=-282/14, 3-4=-356/82, 2-5=-1029/162
WEBS 2-4=-72/256

JOINT STRESS INDEX
2 = 0.43, 3 = 0.48, 4 = 0.11 and 5 = 0.60

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=143, 4=144.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 4-5=-20, 1-2=-218, 2-3=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 4-5=-20, 1-2=-218, 2-6=-218, 3-6=-240
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 4-5=-20, 1-2=-162, 2-3=-162
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 4-5=-20, 1-2=-298, 2-3=-138

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	J21	MONO TRUSS	5	1	Job Reference (optional)

Universal Forest Products

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ID:LpfI0XPJDLE0hhrAkMB21PyjDdJ-owc99PaGPTpCdHd3pI1X6UT6Ay1JYlmqYtCbXdznDL8

-1-10-8 / 1-10-8 | 3-6-0 / 3-6-0

Scale = 1:12.3

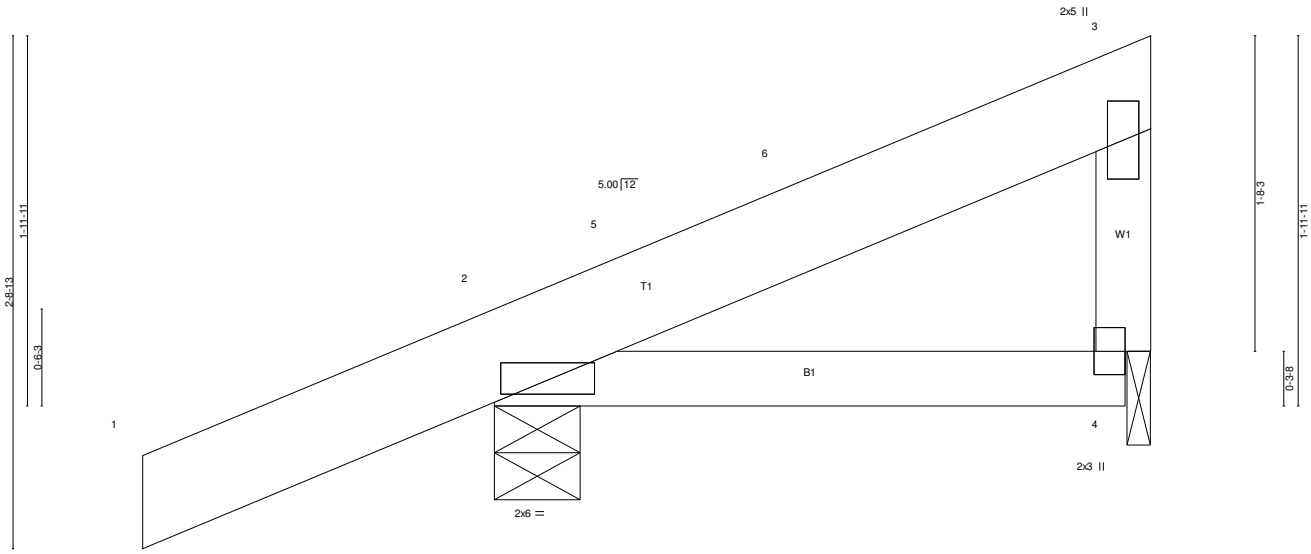

Plate Offsets (X,Y)-- [2:0-6-7,0-0-8], [4:Edge,0-1-14]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.66	Vert(LL)	-0.01	2-4	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.10	Vert(TL)	-0.01	2-4	>999	240		
TCDL	7.0	Rep Stress Incr NO	WB	0.00	Horz(TL)	0.00		n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 16 lb	FT = 4%
BCDL	10.0										

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=985/0-5-8, 4=217/0-1-8
Max Horz 2=136(LC 9)
Max Uplift 2=-237(LC 9), 4=-25(LC 9)
Max Grav 2=1085(LC 13), 4=343(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-312/40

JOINT STRESS INDEX
2 = 0.82, 3 = 0.36 and 4 = 0.07

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=237.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20, 1-3=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20, 1-5=-218, 3-5=-234
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20, 1-3=-162
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20, 1-2=-298, 2-3=-138

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	PB1	KINGPOST	2	1	Job Reference (optional)

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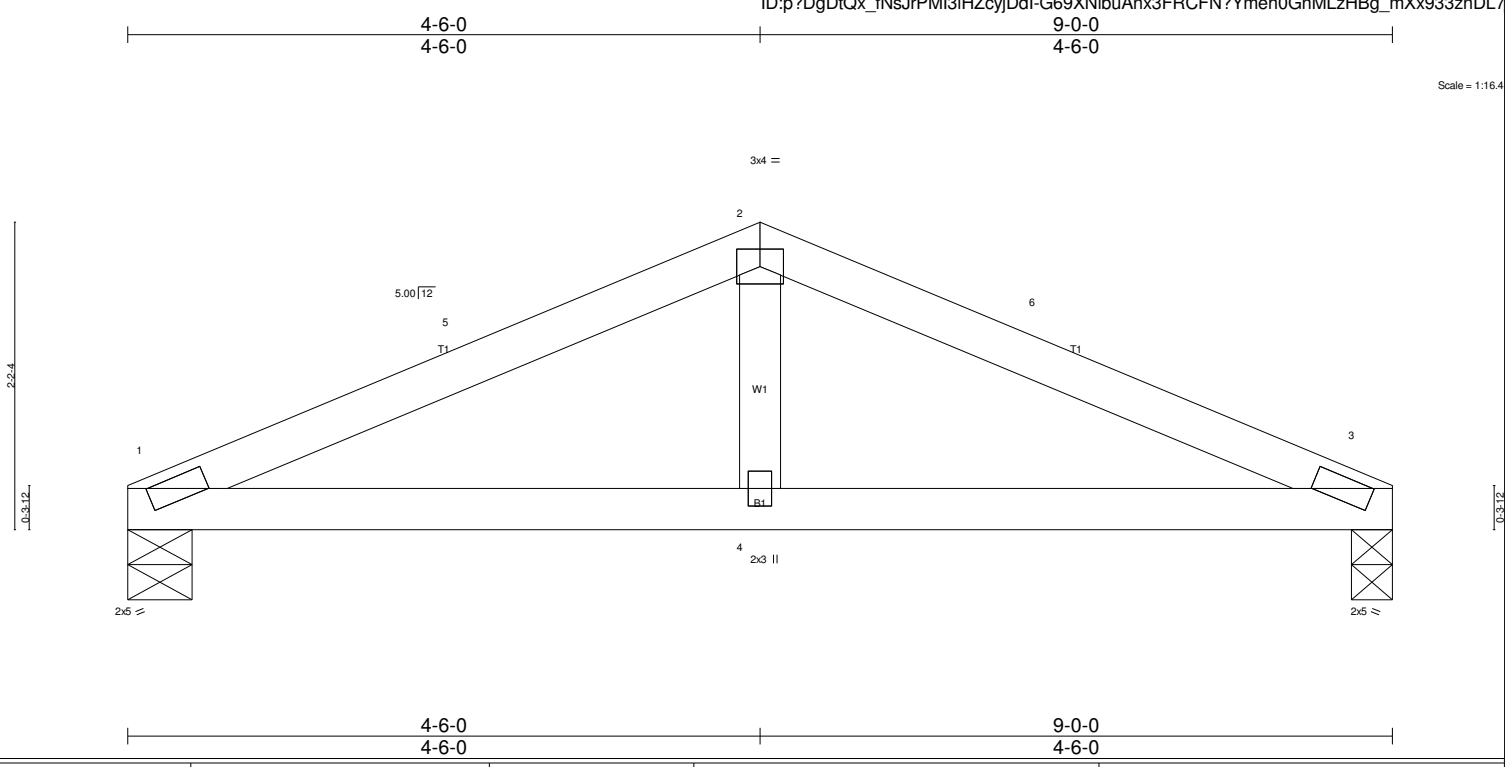
ID:p?DgDtQx_fNsJrPMI3iHZcyjDdI-G69XNlbuAnx3FRCFN?Ymeh0GnMLzHBg_mXx933znDL7



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.73	Vert(LL)	0.02	3-4	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.20	Vert(TL)	-0.03	3-4	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.01	3	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 23 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=492/0-5-8, 3=492/0-3-8
Max Horz 1=-36(LC 7)
Max Uplift1=-288(LC 9), 3=-288(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-5=-698/381, 2-5=-626/387, 2-6=-620/386, 3-6=-696/380
BOT CHORD 1-4=-296/579, 3-4=-296/579

JOINT STRESS INDEX
1 = 0.60, 2 = 0.22, 3 = 0.59 and 4 = 0.23

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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 100 lb uplift at joint(s) except (jt=lb) 1=288, 3=288.
7) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

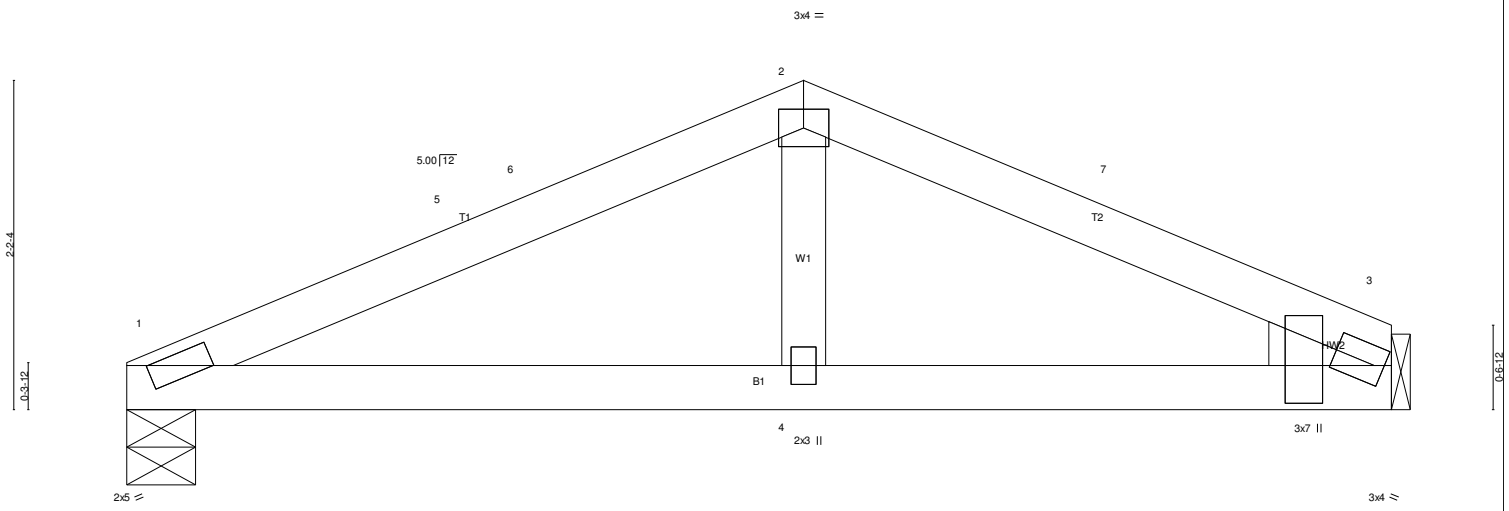
Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	PB2	KINGPOST	9	1	Job Reference (optional)

Universal Forest Products

ID:p?DgDtQx_fNsJrPMI3iHZcyjDdI-G69XNlbuAnx3FRCFN?Ymeh0GvMJrHBl_mXx933znDL7

4-6-0 | 8-4-14
4-6-0 | 3-10-14

Scale = 1:15.3



4-6-0 | 8-4-14
4-6-0 | 3-10-14

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.72	Vert(LL)	0.02	1-4	>999	360	MT20	197/144
(Roof Snow=40.0)	Plate Grip DOL 1.15	BC 0.34	Vert(TL)	-0.03	1-4	>999	240		
TCDL 7.0	Lumber DOL 1.15	WB 0.08	Horz(TL)	0.01	3	n/a	n/a		
BCLL 0.0	Rep Stress Incr YES	(Matrix)							
BCDL 10.0	Code IBC2009/TPI2007							Weight: 23 lb	FT = 4%

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3
WEDGE
Right: 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=466/0-5-8, 3=466/Mechanical
Max Horz 1=-36(LC 7)
Max Uplift1=-273(LC 9), 3=-273(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-5=-633/342, 5-6=-568/342, 2-6=-550/348, 2-7=-574/353, 3-7=-641/347
BOT CHORD 1-4=-260/520, 3-4=-260/520

JOINT STRESS INDEX
1 = 0.55, 2 = 0.20, 3 = 0.71, 3 = 0.20 and 4 = 0.21

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=273, 3=273.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	PB3	HIP	1	1	Job Reference (optional)

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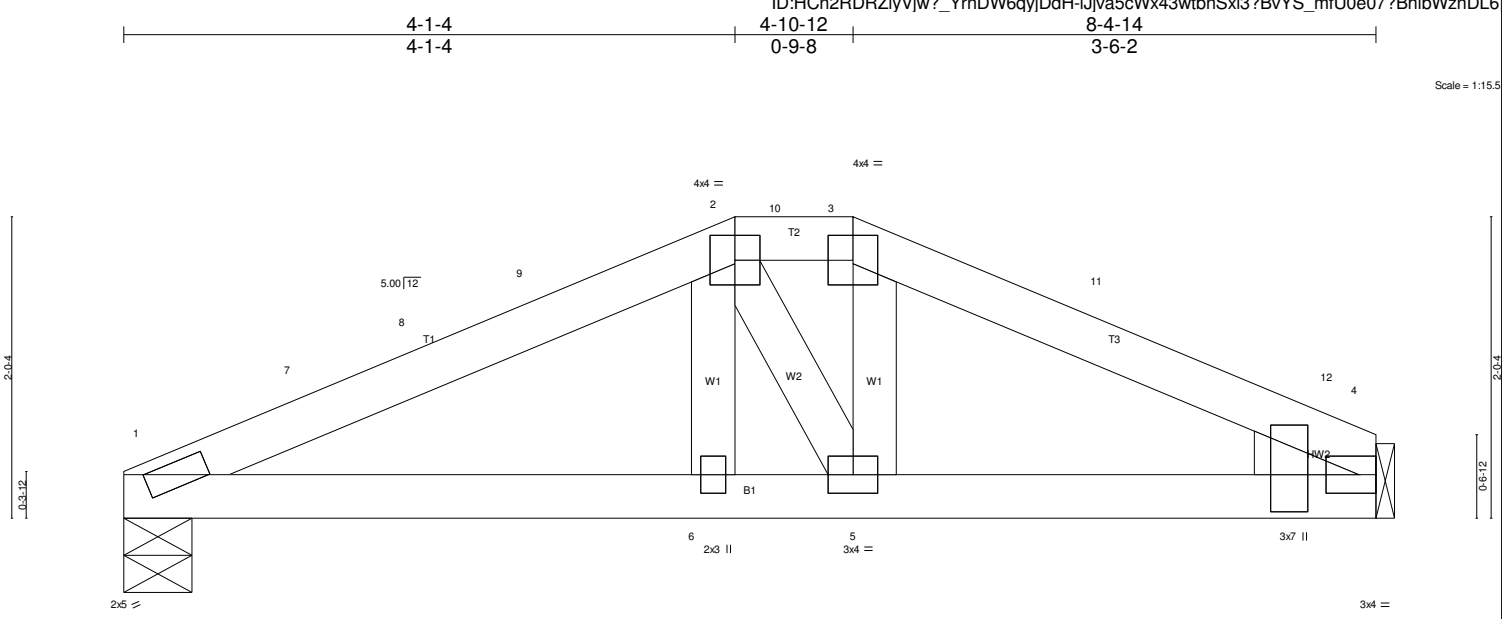


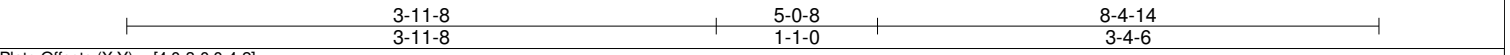


Plate Offsets (X,Y)-- [4:0-3-0,0-4-2]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.64	Vert(LL) -0.02 6 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.31	Vert(TL) -0.03 1-6 >999 240	
TCDL 7.0	Rep Stress Incr YES	WB 0.08	Horz(TL) 0.01 4 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 26 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3
WEDGE
Right: 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=466/0-5-8, 4=466/Mechanical
Max Horz 1=-33(LC 7)
Max Uplift1=-273(LC 9), 4=-273(LC 9)
Max Grav1=652(LC 18), 4=648(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-897/365, 7-8=-803/367, 8-9=-803/367, 2-9=-755/373, 2-10=-711/370, 3-10=-711/370, 3-11=-783/369, 11-12=-799/364, 4-12=-892/359
BOT CHORD 1-6=-288/733, 5-6=-283/729, 4-5=-279/717

JOINT STRESS INDEX
1 = 0.79, 2 = 0.20, 3 = 0.24, 4 = 0.67, 4 = 0.27, 5 = 0.18 and 6 = 0.13

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=273, 4=273.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

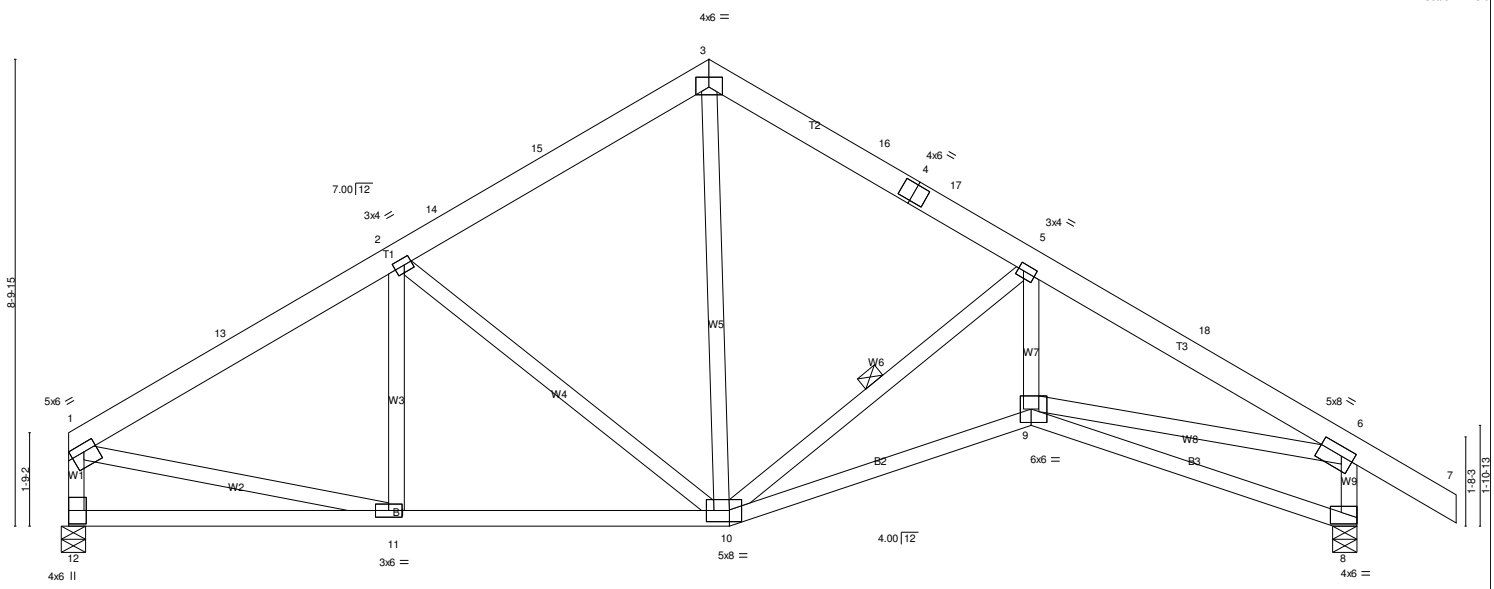
Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	S34	COMMON	7	1	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:12 2016 Page 1
ID:nltX1WhAB2yn3vk3cv1827yiUPm-DVHHnRd8iOCnUkLeUQbEj65byAwglvDHErQG8yznDL5

6-2-7	12-1-6	18-2-8	24-4-6	26-2-14
6-2-7	5-10-15	6-1-2	6-1-14	1-10-8

Scale = 1:43.6



6-2-7	12-6-0	18-2-8	24-4-6
6-2-7	6-3-9	5-8-8	6-1-14

Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-1-12,0-1-8], [5:0-1-4,0-1-8], [6:0-2-12,0-2-0], [9:0-2-8,0-3-0], [10:0-5-4,0-2-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.12	9-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.64	Vert(TL)	-0.21	9-10	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.85	Horz(TL)	0.13	8	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 134 lb	FT = 4%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-10

REACTIONS. (lb/size) 12=1364/0-5-8, 8=1570/0-5-8
Max Horz 12=-300(LC 7)
Max Uplift12=-445(LC 9), 8=-590(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-1645/539, 2-13=-1502/553, 2-14=-1297/531, 14-15=-1166/541, 3-15=-1045/554, 3-16=-1179/562, 4-16=-1196/548, 4-17=-1219/545, 5-17=-1324/543, 5-18=-2426/723, 6-18=-2585/710, 1-12=-1295/469, 6-8=-1551/609
BOT CHORD 11-12=-248/326, 10-11=-230/1299, 9-10=-401/2220
WEBS 2-10=-499/252, 3-10=-258/576, 5-10=-1444/432, 5-9=-88/1022, 1-11=-277/1121, 6-9=-393/1925

JOINT STRESS INDEX
1 = 0.94, 2 = 0.60, 3 = 0.93, 4 = 0.80, 5 = 0.88, 6 = 0.95, 8 = 0.85, 9 = 0.85, 10 = 0.76, 11 = 0.68 and 12 = 0.93

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=6ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=445, 8=590.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1	MONO PITCH	12	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:12 2016 Page 1
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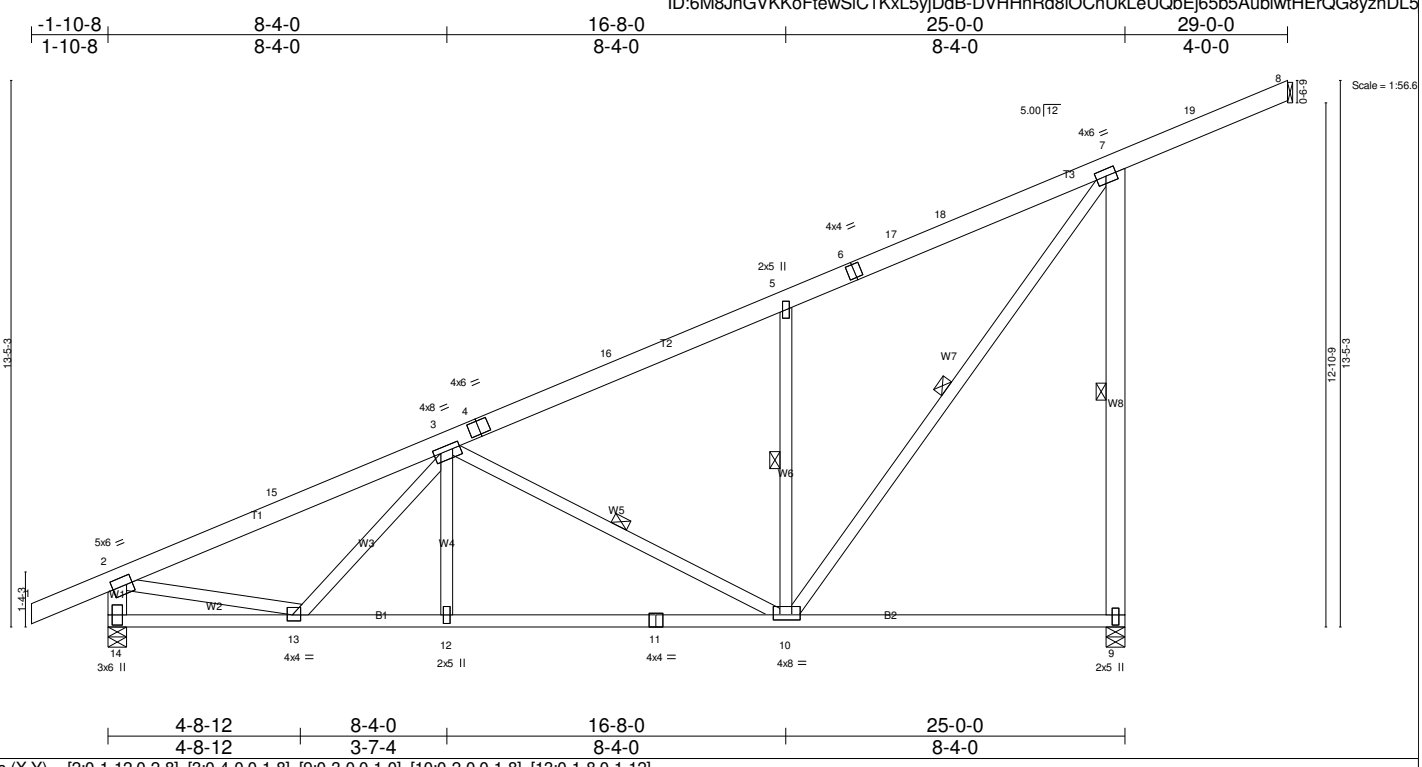


Plate Offsets (X,Y)-- [2:0-1-12,0-2-8], [3:0-4-0,0-1-8], [9:0-3-0,0-1-0], [10:0-2-0,0-1-8], [13:0-1-8,0-1-12]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.74	Vert(LL)	-0.13	9-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.71	Vert(TL)	-0.34	9-10	>873	240		
TCDL	7.0	Rep Stress Incr YES	WB	0.81	Horz(TL)	-0.05	14	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 160 lb	FT = 4%
BCDL	10.0										

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1,W8: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-10, 5-10, 7-10, 7-9

REACTIONS. (lb/size) 8=0/Mechanical, 14=1634/0-5-8, 9=1753/0-5-8
Max Horz 8=-659(LC 22), 9=659(LC 22)
Max Uplift 14=-471(LC 9), 9=-785(LC 9)
Max Grav 14=1720(LC 2), 9=2243(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-2064/370, 3-15=-1915/384, 3-4=-1536/181, 4-16=-1507/195, 5-16=-1385/208, 5-6=-1561/394, 6-17=-1458/400, 17-18=-1390/404, 7-18=-1193/417, 7-19=-746/114, 8-19=-735/125, 2-14=-1654/494
BOT CHORD 13-14=-176/410, 12-13=-188/2016, 11-12=-188/2016, 10-11=-188/2016, 9-10=-133/659
WEBS 3-12=0/260, 3-10=-876/448, 5-10=-850/476, 7-10=-726/1760, 3-13=-385/65, 2-13=-76/1418, 7-9=-2179/816

JOINT STRESS INDEX
2 = 0.97, 3 = 0.63, 4 = 0.64, 5 = 0.31, 6 = 0.66, 7 = 0.93, 9 = 0.64, 10 = 0.91, 11 = 0.84, 12 = 0.31, 13 = 0.71 and 14 = 0.82

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=471, 9=785.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

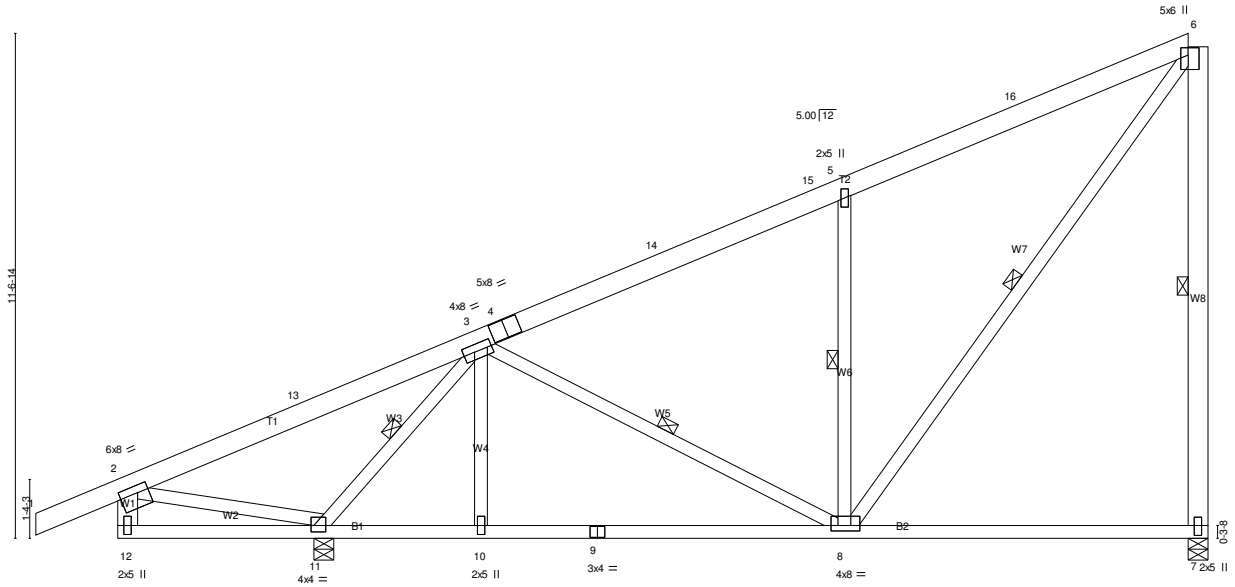
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1A	MONO PITCH	5	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:13 2016 Page 1
ID:aYihvcWy56NkG41umlrAuIyjDdA-hhrf?ndmThKe6uwq276TGKeqdaH7UM2QTVApgOznDL4

-1-10-8	8-4-0	16-8-0	25-0-0
1-10-8	8-4-0	8-4-0	8-4-0

Scale = 1:52.8



0-7-4	8-4-0	16-8-0	25-0-0
0-7-4	7-8-12	8-4-0	8-4-0

Plate Offsets (X,Y)-- [2:0-3-0,0-2-0], [3:0-3-2,0-2-0], [6:0-2-0,0-2-0], [7:0-2-12,0-1-0], [8:0-2-0,0-1-8], [11:0-0-12,0-1-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.50	Vert(LL)	-0.13	7-8	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.56	Vert(TL)	-0.32	7-8	>755	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.88	Horz(TL)	0.01	7	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 151 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W8,W1: 2x6 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, Except:
10-0-0 oc bracing: 7-8.
WEBS 1 Row at midpt 6-7, 3-8, 5-8, 6-8, 3-11

REACTIONS. (lb/size) 7=1172/0-5-8, 11=2870/0-5-8
Max Horz 11=672(LC 9)
Max Uplift7=-483(LC 9), 11=-704(LC 9)
Max Grav7=1557(LC 2), 11=2976(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-509/1528, 3-13=-496/1761, 3-4=-1287/43, 4-14=-1257/56, 14-15=-907/68, 5-15=-857/70, 5-16=-1386/284, 6-16=-1080/294
BOT CHORD 11-12=-123/365, 10-11=-423/657, 9-10=-423/657, 8-9=-423/657
WEBS 6-7=-1493/514, 2-11=-1826/751, 3-10=0/251, 3-8=-129/390, 5-8=-1375/522, 6-8=-581/1709, 3-11=-3189/622

JOINT STRESS INDEX
2 = 0.89, 3 = 0.87, 4 = 0.73, 5 = 0.51, 6 = 0.66, 7 = 0.47, 8 = 0.89, 9 = 0.81, 10 = 0.31, 11 = 0.84 and 12 = 0.59

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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 100 lb uplift at joint(s) except (jt=lb) 7=483, 11=704.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-12=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-2=-166, 2=-166-to-6=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-12=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-2=-166, 2=-166-to-15=-120, 15=-176-to-6=-150
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-12=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-2=-110, 2=-110-to-6=-38

Continued on page 2

LOAD CASE(S) Standard

13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-12=-20
Trapezoidal Loads (plf)
Vert: 1=-253-to-2=-246, 2=-86-to-6=-14

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1AA	MONO PITCH	8	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:14 2016 Page 1
ID:aYihvcWy56NkG41umlrAuIyjDdA-9uP2C6ePE?SVk2V1crdipXAtmzaoDpZZh9vMCqznDL3

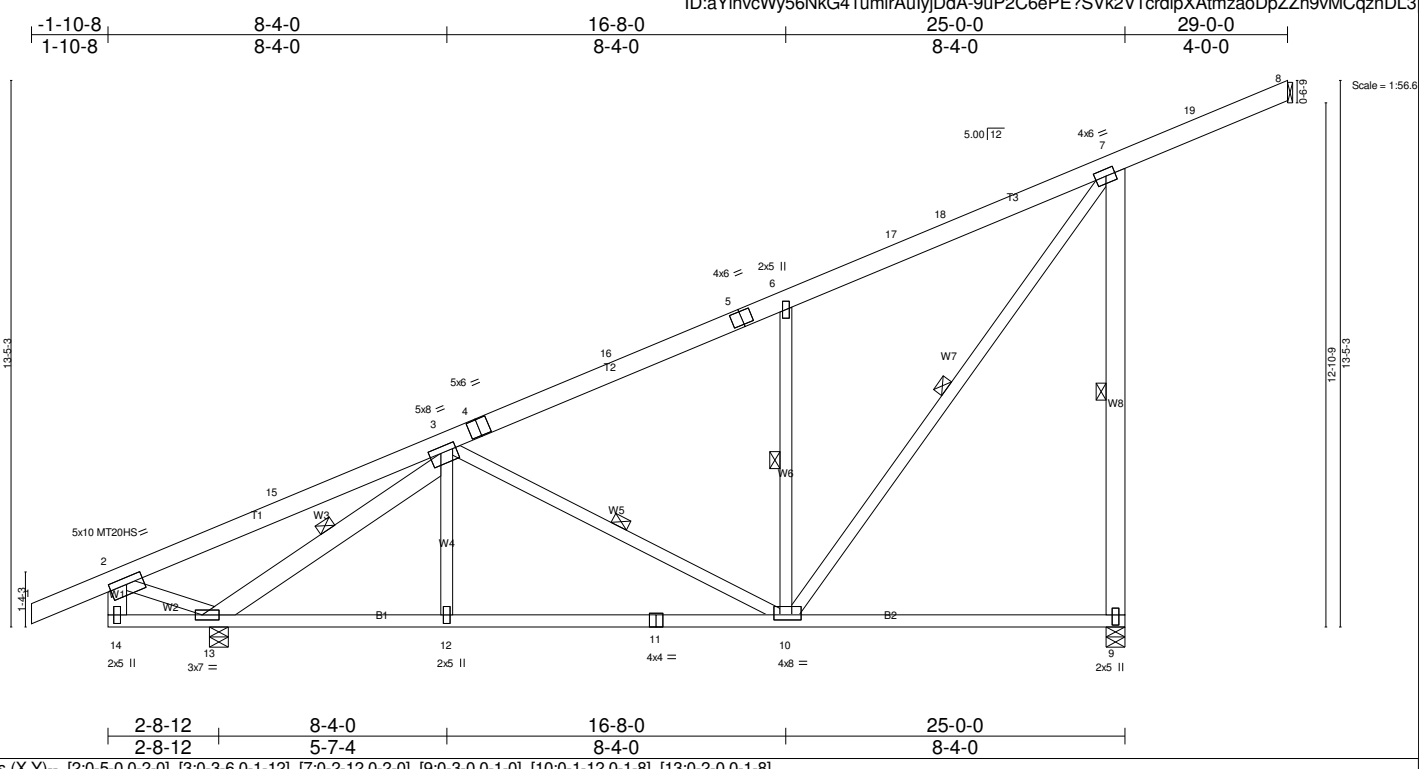


Plate Offsets (X,Y)-- [2:0-5-0,0-2-0], [3:0-3-6,0-1-12], [7:0-2-12,0-2-0], [9:0-3-0,0-1-0], [10:0-1-12,0-1-8], [13:0-2-0,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.99	Vert(LL)	-0.13	9-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.72	Vert(TL)	-0.33	9-10	>802	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	NO	WB	0.86	Horz(TL)	-0.05	13	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 164 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W3,W1,W8: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-10, 6-10, 7-10, 3-13, 7-9

REACTIONS. (lb/size) 8=0/Mechanical, 13=2693/0-5-8, 9=1905/0-5-8
Max Horz 8=-680(LC 22), 9=680(LC 22)
Max Uplift13=-596(LC 9), 9=-728(LC 9)
Max Grav 13=2790(LC 2), 9=2384(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-290/984, 3-15=-277/1203, 3-4=-1696/135, 4-16=-1652/149, 5-16=-1470/149, 5-6=-1301/162, 6-17=-1687/349, 17-18=-1471/359, 7-18=-1470/372, 7-19=-765/123, 8-19=-754/134
BOT CHORD 13-14=-94/439, 12-13=-2/1783, 11-12=-2/1783, 10-11=-2/1783, 9-10=-121/680
WEBS 3-12=0/283, 3-10=-556/286, 6-10=-1109/478, 7-10=-637/1880, 3-13=-3359/570, 2-13=-1463/597, 7-9=-2320/759

JOINT STRESS INDEX
2 = 0.91, 3 = 0.89, 4 = 0.80, 5 = 0.66, 6 = 0.41, 7 = 0.91, 9 = 0.68, 10 = 0.91, 11 = 0.77, 12 = 0.31, 13 = 0.86 and 14 = 0.66

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=596, 9=728.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 9-14=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-2=-167, 2=-167-to-8=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 9-14=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-2=-167, 2=-167-to-17=-118, 17=-179-to-8=-155
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15

Continued on page 2

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 9-14=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-2=-111, 2=-111-to-8=-38
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 9-14=-20
Trapezoidal Loads (plf)
Vert: 1=-253-to-2=-247, 2=-87-to-8=-14

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1AALTBR	MONO PITCH	0	1	Job Reference (optional)

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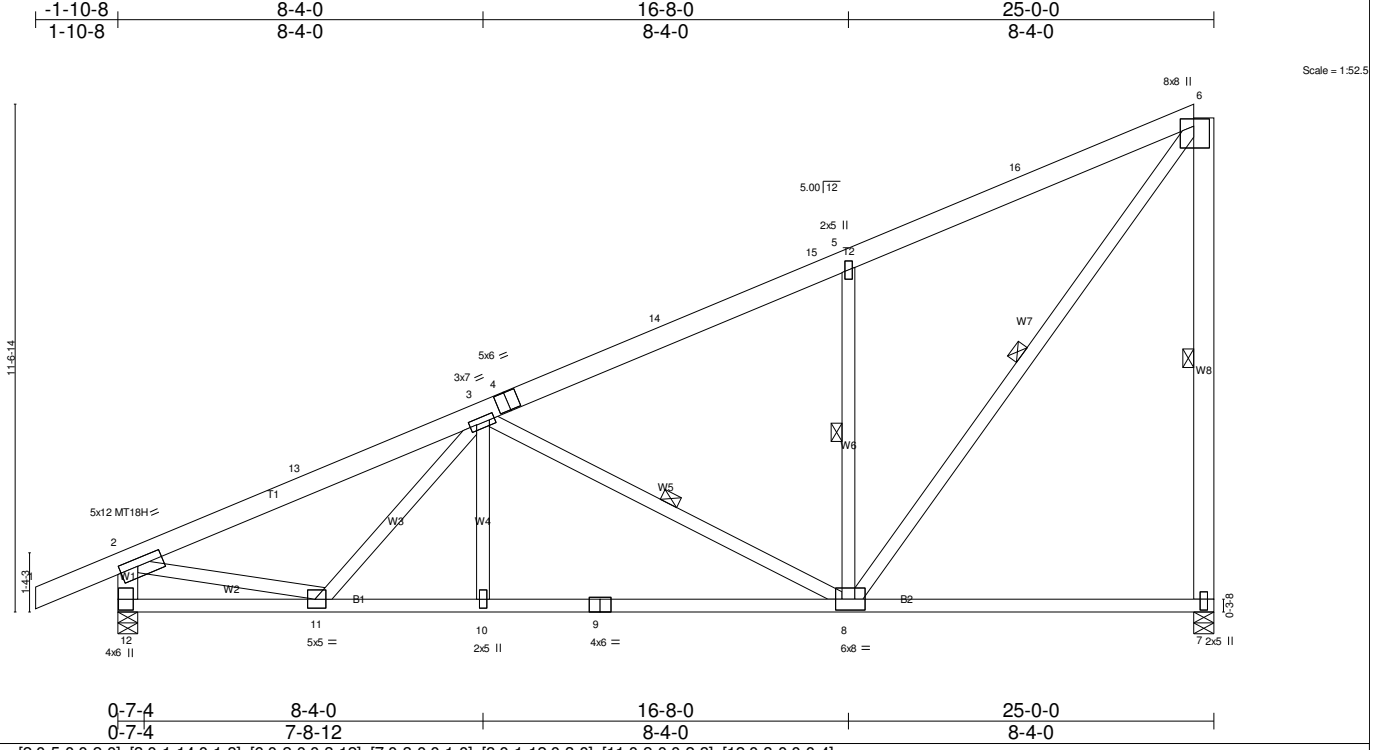

Plate Offsets (X,Y)-- [2:0-5-0,0-2-0], [3:0-1-14,0-1-8], [6:0-2-0,0-3-12], [7:0-3-0,0-1-0], [8:0-1-12,0-3-0], [11:0-2-0,0-2-8], [12:0-3-0,0-0-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.15	8-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.92	Vert(TL)	-0.33	7-8	>882	240	MT18H	197/144
TCDL	7.0	Rep Stress Incr	NO	WB	0.76	Horz(TL)	0.06	7	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 151 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF 2100F 1.8E *Except*
T1: 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W8,W1: 2x6 SPF No.2, W7: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-4-13 oc bracing.
WEBS 1 Row at midpt 6-7, 3-8, 5-8, 6-8

REACTIONS. (lb/size) 7=1680/0-5-8, 12=2363/0-5-8
Max Horz 12=672(LC 9)
Max Uplift7=-596(LC 9), 12=-463(LC 9)
Max Grav7=2083(LC 2), 12=2450(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-2717/352, 3-13=-2458/365, 3-4=-1868/168, 4-14=-1838/181, 14-15=-1488/193, 5-15=-1438/195, 5-16=-1975/411, 6-16=-1668/421, 2-12=-2380/490
BOT CHORD 11-12=-721/605, 10-11=-838/2584, 9-10=-838/2584, 8-9=-838/2584
WEBS 6-7=-2019/627, 2-11=-82/1712, 3-10=0/260, 3-8=-1254/433, 5-8=-1397/527, 6-8=-781/2638, 3-11=-487/58

JOINT STRESS INDEX
2 = 0.87, 3 = 0.93, 4 = 0.86, 5 = 0.51, 6 = 0.52, 7 = 0.59, 8 = 0.96, 9 = 0.75, 10 = 0.31, 11 = 0.69 and 12 = 0.93

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=596, 12=463.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-12=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-2=-166, 2=-166-to-6=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-12=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-2=-166, 2=-166-to-15=-120, 15=-176-to-6=-150
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15

Continued on page 2

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 7-12=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-2=-110, 2=-110-to-6=-38
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-12=-20
Trapezoidal Loads (plf)
Vert: 1=-253-to-2=-246, 2=-86-to-6=-14

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1ALTBRG	MONO PITCH	0	1	Job Reference (optional)

Universal Forest Products

ID:6M8JhGVKKoFtewSiC1KxL5yjDdB-d4zQQSf1?JaMLC4DAY8xLlj7sNzcyJ1jwpfwkHznDL2

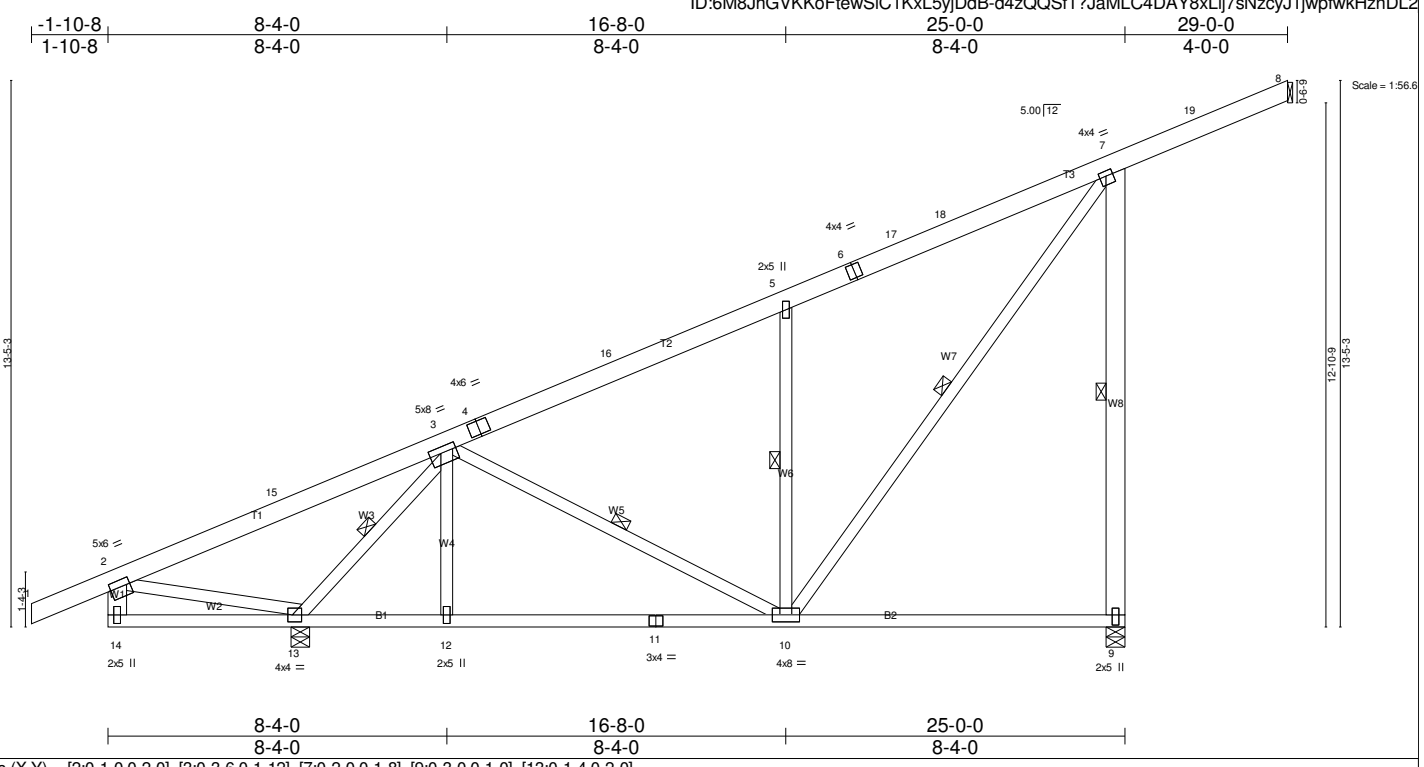

Plate Offsets (X,Y)-- [2:0-1-0,0-2-0], [3:0-3-6,0-1-12], [7:0-2-0,0-1-8], [9:0-3-0,0-1-0], [13:0-1-4,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.13	9-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.56	Vert(TL)	-0.32	9-10	>753	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.65	Horz(TL)	-0.02	13	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 160 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1,W8: 2x6 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.
WEBS 1 Row at midpt 3-10, 5-10, 7-10, 3-13, 7-9

REACTIONS. (lb/size) 8=0/Mechanical, 13=2027/0-5-8, 9=1360/0-5-8
Max Horz 8=-690(LC 22), 9=690(LC 22)
Max Uplift13=-724(LC 9), 9=-660(LC 9)
Max Grav 13=2135(LC 2), 9=1829(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-508/891, 3-15=-484/1040, 3-4=-1197/68, 4-16=-1169/82, 5-16=-926/95, 5-6=-1226/281, 6-17=-1124/288, 17-18=-1052/291, 7-18=-1049/305, 7-19=-775/127, 8-19=-763/137
BOT CHORD 13-14=-245/350, 12-13=-150/682, 11-12=-150/682, 10-11=-150/682, 9-10=-114/690
WEBS 3-12=0/250, 3-10=-129/325, 5-10=-860/477, 7-10=-523/1109, 3-13=-2331/650, 2-13=-1093/747, 7-9=-1765/692

JOINT STRESS INDEX
2 = 0.88, 3 = 0.95, 4 = 0.80, 5 = 0.32, 6 = 0.65, 7 = 0.75, 9 = 0.51, 10 = 0.83, 11 = 0.67, 12 = 0.31, 13 = 0.83 and 14 = 0.60

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=724, 9=660.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1ASHR	MONO PITCH	1	1	Job Reference (optional)

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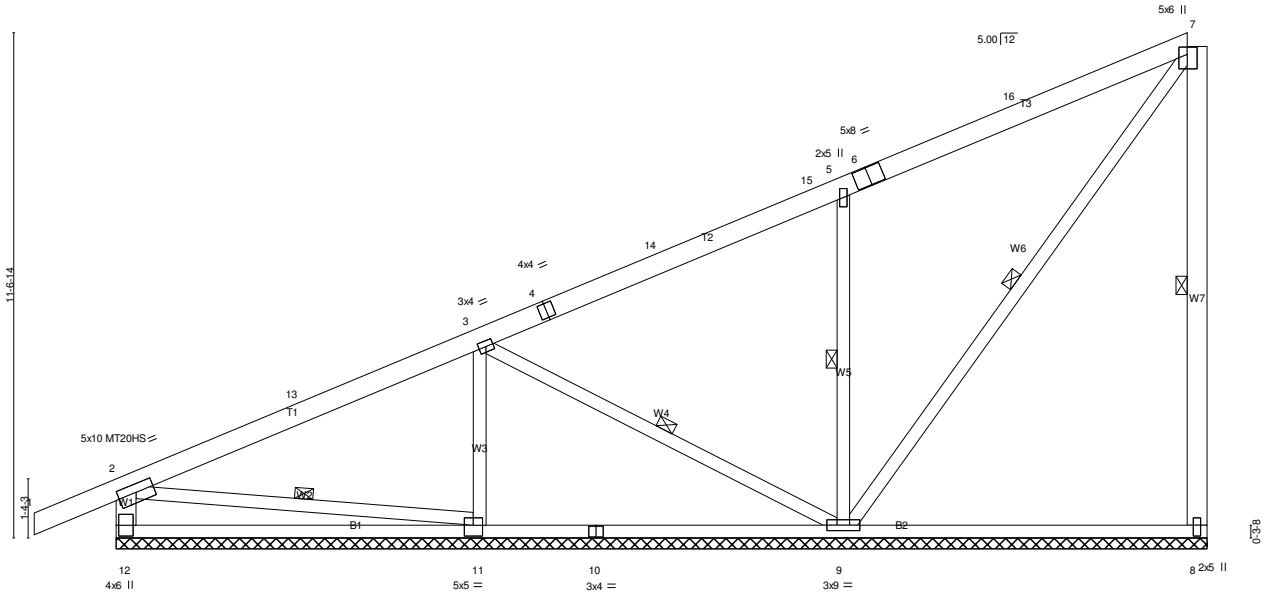
ID:2kG46yXasQVbuEb5JSNPRWyjDd9-5GXodogfmciDzMfPjGfAuyGG5nJqhnXs9TOTHjznDL1

-1-10-8	8-4-0	16-8-0	25-0-0
1-10-8	8-4-0	8-4-0	8-4-0

Scale = 1:52.8



0-7-4	8-4-0	16-8-0	25-0-0
0-7-4	7-8-12	8-4-0	8-4-0

Plate Offsets (X,Y)-- [2:0-5-0,0-2-4], [7:0-2-0,0-2-4], [8:0-3-0,0-1-0], [11:0-2-8,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	0.00	1	n/r	180	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.56	Vert(TL)	0.00	1	n/r	80	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	NO	WB	0.64	Horz(TL)	-0.02	9	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 149 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF 2100F 1.8E *Except*
T1: 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W7,W1: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-0 oc bracing.
WEBS 1 Row at midpt 7-8, 2-11, 3-9, 5-9, 7-9

REACTIONS. All bearings 25-0-0.
(lb) - Max Horz 12=672(LC 28)
Max Uplift All uplift 100 lb or less at joint(s) except 8=-493(LC 29), 12=-693(LC 28), 11=-724(LC 28), 9=-565(LC 28)
Max Grav All reactions 250 lb or less at joint(s) except 8=812(LC 16), 12=1669(LC 17), 11=1631(LC 15), 9=1883(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-1535/976, 3-13=-926/696, 3-4=-1369/1101, 4-14=-1034/974, 14-15=-706/750, 5-15=-620/670, 5-6=-608/359, 6-16=-450/311, 7-16=-285/482, 2-12=-1585/733
BOT CHORD 11-12=-1151/1027, 10-11=-609/535, 9-10=-623/549, 8-9=-648/648
WEBS 7-8=-748/524, 2-11=-1162/1205, 3-11=-1550/872, 3-9=-1076/1044, 5-9=-1401/531, 7-9=-637/529

JOINT STRESS INDEX
2 = 0.90, 3 = 0.90, 4 = 0.66, 5 = 0.51, 6 = 0.93, 7 = 0.35, 8 = 0.39, 9 = 0.81, 10 = 0.49, 11 = 0.51 and 12 = 0.88

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
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 493 lb uplift at joint 8, 693 lb uplift at joint 12, 724 lb uplift at joint 11 and 565 lb uplift at joint 9.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13, 14, 15, 16, 17, 18, 19 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
13) This truss has been designed for a total drag load of 2000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 25-0-0 for 80.0 plf.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 8-12=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-2=-166, 2=-166-to-7=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15

Continued on page 2

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 8-12=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-2=-166, 2=-166-to-15=-120, 15=-176-to-7=-150
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 8-12=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-2=-110, 2=-110-to-7=-38
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 8-12=-20
Trapezoidal Loads (plf)
Vert: 1=-253-to-2=-246, 2=-86-to-7=-14
14) Dead + Snow (balanced) + Drag LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 8-12=-20
Horz: 2-7=192
Drag: 8-12=-80
Trapezoidal Loads (plf)
Vert: 1=-173-to-2=-166, 2=-133-to-7=-61
15) Dead + Snow (balanced) + Drag LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 8-12=-20
Horz: 2-7=-192
Drag: 8-12=80
Trapezoidal Loads (plf)
Vert: 1=-173-to-2=-166, 2=-200-to-7=-127
16) Dead + Snow (Unbal. Left) + Drag LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 8-12=-20
Horz: 2-7=192
Drag: 8-12=-80
Trapezoidal Loads (plf)
Vert: 1=-173-to-2=-166, 2=-133-to-15=-86, 15=-143-to-7=-117
17) Dead + Snow (Unbal. Left) + Drag LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 8-12=-20
Horz: 2-7=-192
Drag: 8-12=80
Trapezoidal Loads (plf)
Vert: 1=-173-to-2=-166, 2=-200-to-15=-153, 15=-209-to-7=-184
18) Dead + Snow (Unbal. Right) + Drag LC#1 Left: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 8-12=-20
Horz: 2-7=192
Drag: 8-12=-80
Trapezoidal Loads (plf)
Vert: 1=-117-to-2=-110, 2=-77-to-7=-5
19) Dead + Snow (Unbal. Right) + Drag LC#1 Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 8-12=-20
Horz: 2-7=-192
Drag: 8-12=80
Trapezoidal Loads (plf)
Vert: 1=-117-to-2=-110, 2=-144-to-7=-71

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1CA	MONO PITCH	1	1	Job Reference (optional)

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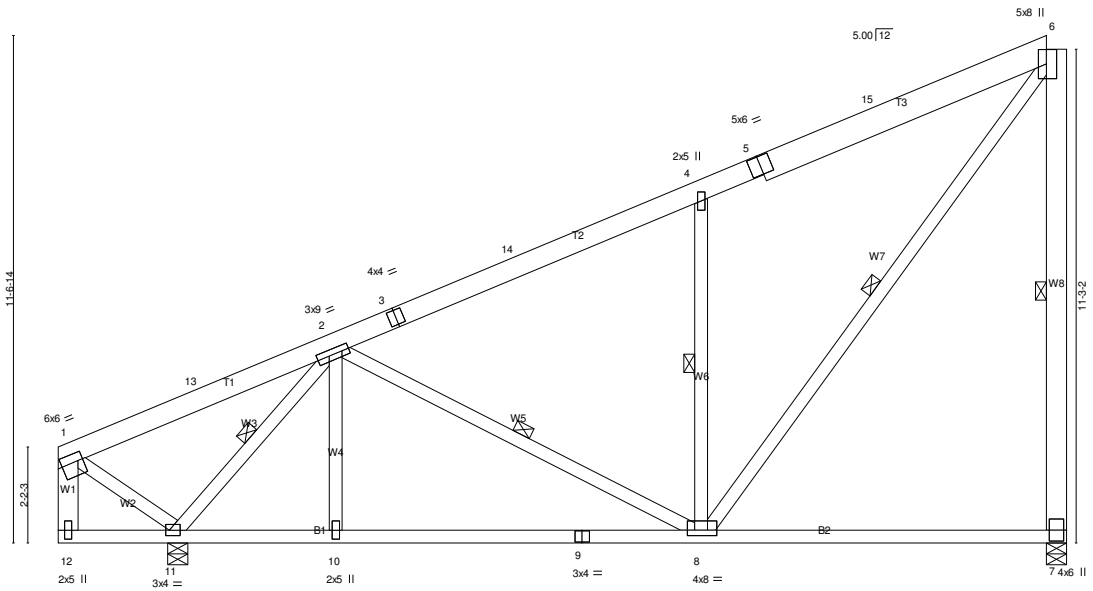
ID:TJyClzZS9LtAlhKg?bw628yjDd6-ZT4Ar8gHXwq3bWEbHzAPQAoPGBe1QB_0N781p9znDL0

6-4-0	14-8-0	23-0-0	27-0-8
6-4-0	8-4-0	8-4-0	4-0-8

Scale = 1:52.5



2-8-12	6-4-0	14-8-0	23-0-0
2-8-12	3-7-4	8-4-0	8-4-0

Plate Offsets (X,Y)-- [1:0-1-4,0-2-4], [2:0-3-6,0-1-8], [6:0-4-0,0-2-4], [8:0-2-0,0-1-8], [11:0-1-0,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.10	8-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.56	Vert(TL)	-0.24	8-10	>995	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.82	Horz(TL)	-0.03	11	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 145 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2 *Except*
T3: 2x8 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W8,W1: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 11-12.
WEBS 1 Row at midpt 6-7, 2-11, 2-8, 4-8, 6-8

REACTIONS. (lb/size) 7=1360/0-5-8, 11=2096/0-5-8
Max Horz 7=518(LC 9)
Max Uplift7=-538(LC 9), 11=-301(LC 9)
Max Grav7=1691(LC 2), 11=2179(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-23/293, 2-13=-6/482, 2-3=-1438/107, 3-14=-1217/118, 4-14=-1207/132, 4-5=-1491/326, 5-15=-1231/335, 6-15=-1212/347, 6-7=-1606/572
BOT CHORD 10-11=-110/1225, 9-10=-110/1225, 8-9=-110/1225, 7-8=-35/513
WEBS 2-11=-2295/283, 2-10=0/273, 2-8=-204/268, 4-8=-1278/499, 6-8=-657/1848, 1-11=-586/160

JOINT STRESS INDEX
1 = 0.90, 2 = 0.89, 3 = 0.38, 4 = 0.47, 5 = 0.34, 6 = 0.86, 7 = 0.87, 8 = 0.96, 9 = 0.77, 10 = 0.31, 11 = 0.91 and 12 = 0.31

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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 538 lb uplift at joint 7 and 301 lb uplift at joint 11.
7) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) Load case(s) 1, 2, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-12=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-6=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-12=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-4=-122, 4=-173-to-6=-145
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-12=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-6=-38

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1CB	SPECIAL	1	1	Job Reference (optional)

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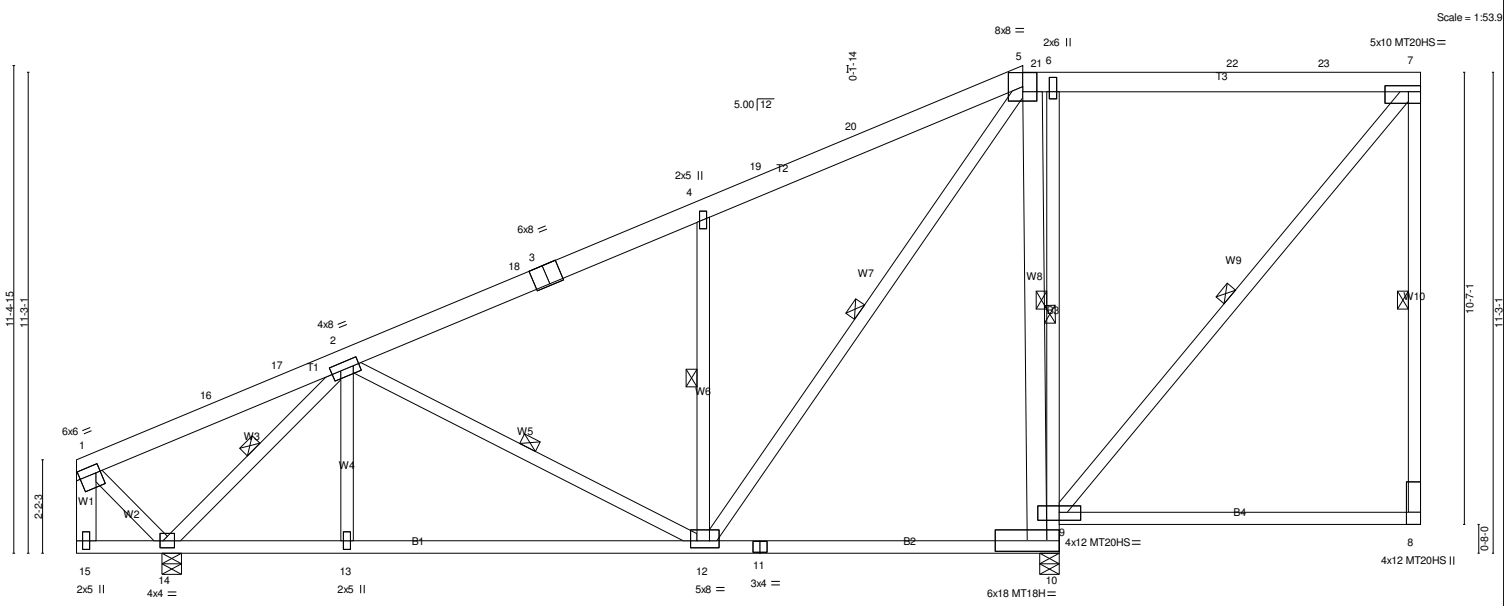
ID:u_e0B9ef7pSLaHRIN3zCuHyiUPq-1feY2UhvIEywCfporhhezNLZ6buI9eU9cntaLcznDL?

6-4-0	14-8-0	22-1-12	23-0-0	31-5-8
6-4-0	8-4-0	7-5-12	0-10-4	8-5-8



6-4-0	14-8-0	23-0-0	31-5-8
6-4-0	8-4-0	8-4-0	8-5-8

Plate Offsets (X,Y)-- [1:0-1-4,0-2-4], [2:0-2-10,0-2-0], [3:0-4-0,Edge], [6:0-4-0,0-1-0], [7:Edge,0-1-12], [8:0-3-8,Edge], [9:0-6-0,0-2-4], [12:0-1-12,0-2-0], [14:0-0-12,0-2-0]

LOADING (psf)	**SPACING-** 2-0-0	**CSI.**	**DEFL.** in (loc) l/defl L/d	**PLATES** **GRIP**
TCLL 40.0	Plate Grip DOL 1.15	TC 0.96	Vert(LL) -0.12 12-13 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.94	Vert(TL) -0.26 12-13 >954 240	MT20HS 148/108
TCDL 7.0	Rep Stress Incr NO	WB 0.80	Horz(TL) 0.04 10 n/a n/a	MT18H 197/144
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 203 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF 2100F 1.8E *Except*
T1: 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W7: 2x4 SPF No.2, W8,W1: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-1-4 oc bracing. Except:
1 Row at midpt 6-9
WEBS 1 Row at midpt 7-8, 2-14, 2-12, 4-12, 5-12, 5-10, 7-9

REACTIONS. (lb/size) 14=1930/0-5-8, 10=2835/0-5-8
Max Horz 14=537(LC 6)
Max Uplift14=-391(LC 9), 10=-961(LC 6)
Max Grav 14=2456(LC 14), 10=2904(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 16-17=-31/315, 2-17=-23/430, 2-18=-1788/202, 3-18=-1455/202, 3-4=-1417/216, 4-19=-1744/391, 19-20=-1485/400, 5-20=-1459/412, 5-21=-308/489, 6-21=-308/489, 6-22=-301/493, 22-23=-301/493, 7-23=-301/493
BOT CHORD 13-14=-335/1774, 12-13=-335/1774, 11-12=-454/285, 10-11=-454/285, 9-10=-2312/806, 6-9=-1587/503
WEBS 2-14=-2798/324, 2-13=0/277, 2-12=-494/273, 4-12=-1601/458, 5-12=-607/2429, 5-10=-2039/481, 7-9=-804/305, 1-14=-545/202

JOINT STRESS INDEX
1 = 0.92, 2 = 0.93, 3 = 0.86, 4 = 0.59, 5 = 0.85, 6 = 0.93, 7 = 0.83, 8 = 0.97, 9 = 0.95, 10 = 0.74, 11 = 0.44, 12 = 0.93, 13 = 0.31, 14 = 0.82 and 15 = 0.31

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 391 lb uplift at joint 14 and 961 lb uplift at joint 10.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3, 13, 14 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-15=-20, 8-9=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-5=-117, 5=-117-to-7=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-15=-20, 8-9=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-19=-132, 19=-152-to-5=-137, 5=-61-to-7=-38
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-15=-20, 8-9=-20

Continued on page 2

LOAD CASE(S) Standard
Trapezoidal Loads (plf)
Vert: 1=-117-to-5=-61, 5=-153-to-7=-130
13) 3rd Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-15=-20, 8-9=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-5=-61, 5=-173-to-7=-150
14) 4th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-15=-20, 8-9=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-17=-161, 17=-216-to-5=-173, 5=-61-to-7=-38

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1DA	MONO PITCH	1	1	Job Reference (optional)

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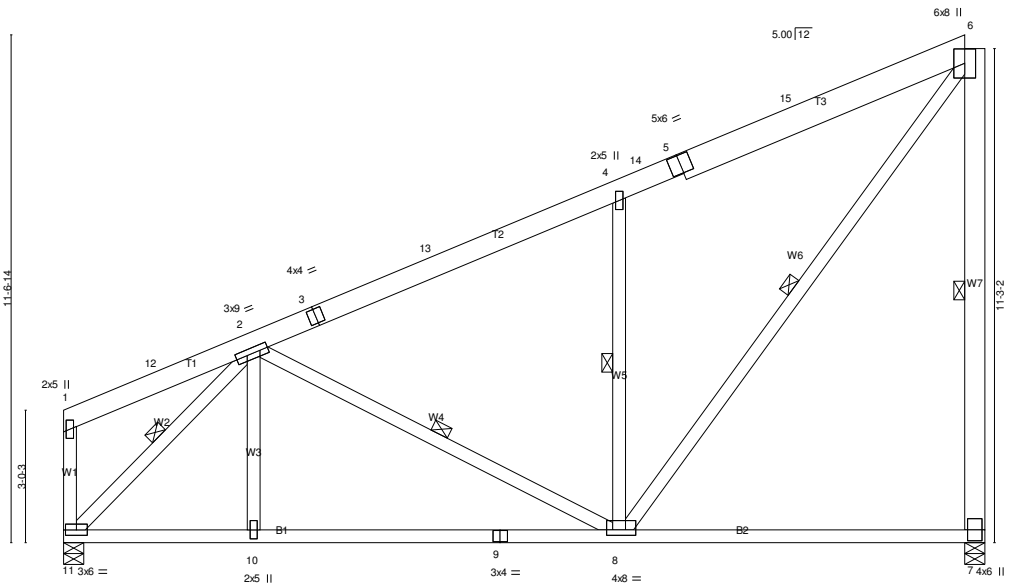
ID:Pi3z9fbjhy7t_?U26?ya7ZyjDd4-1feY2UhvlEywCfporhhezNLbKbze9dS9cntaLcznDL?

4-4-0	12-8-0	21-0-0	25-0-8
4-4-0	8-4-0	8-4-0	4-0-8

Scale = 1:52.5



0-8-12	4-4-0	12-8-0	21-0-0
0-8-12	3-7-4	8-4-0	8-4-0

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.88	Vert(LL) -0.11 8-10 >999 360	MT20	197/144
(Roof Snow=40.0)	Plate Grip DOL 1.15	BC 0.60	Vert(TL) -0.25 8-10 >971 240		
TCDL 7.0	Lumber DOL 1.15	WB 0.87	Horz(TL) -0.03 11 n/a n/a		
BCLL 0.0	Rep Stress Incr NO	(Matrix)		Weight: 135 lb	FT = 4%
BCDL 10.0	Code IBC2009/TPI2007				

LUMBER-
TOP CHORD 2x6 SPF No.2 *Except*
T3: 2x8 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W7: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-7, 2-11, 2-8, 4-8, 6-8

REACTIONS. (lb/size) 7=1446/0-5-8, 11=1716/0-5-8
Max Horz 7=474(LC 9)
Max Uplift7=-544(LC 9), 11=-225(LC 9)
Max Grav7=1742(LC 2), 11=1782(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1512/112, 3-13=-1289/123, 4-13=-1273/137, 4-14=-1552/330, 5-14=-1522/333, 5-15=-1305/342, 6-15=-1283/354, 6-7=-1658/577, 1-11=-321/61
BOT CHORD 10-11=-167/1465, 9-10=-167/1465, 8-9=-167/1465, 7-8=-32/468
WEBS 2-11=-2070/238, 2-10=0/277, 2-8=-383/275, 4-8=-1278/504, 6-8=-668/1963

JOINT STRESS INDEX
1 = 0.94, 2 = 0.88, 3 = 0.49, 4 = 0.47, 5 = 0.33, 6 = 0.83, 7 = 0.90, 8 = 0.95, 9 = 0.86, 10 = 0.31 and 11 = 0.85

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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 544 lb uplift at joint 7 and 225 lb uplift at joint 11.
7) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
8) Load case(s) 1, 2, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-11=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-6=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-11=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-14=-122, 14=-171-to-6=-142
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-11=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-6=-38

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1DB	SPECIAL	1	1	Job Reference (optional)

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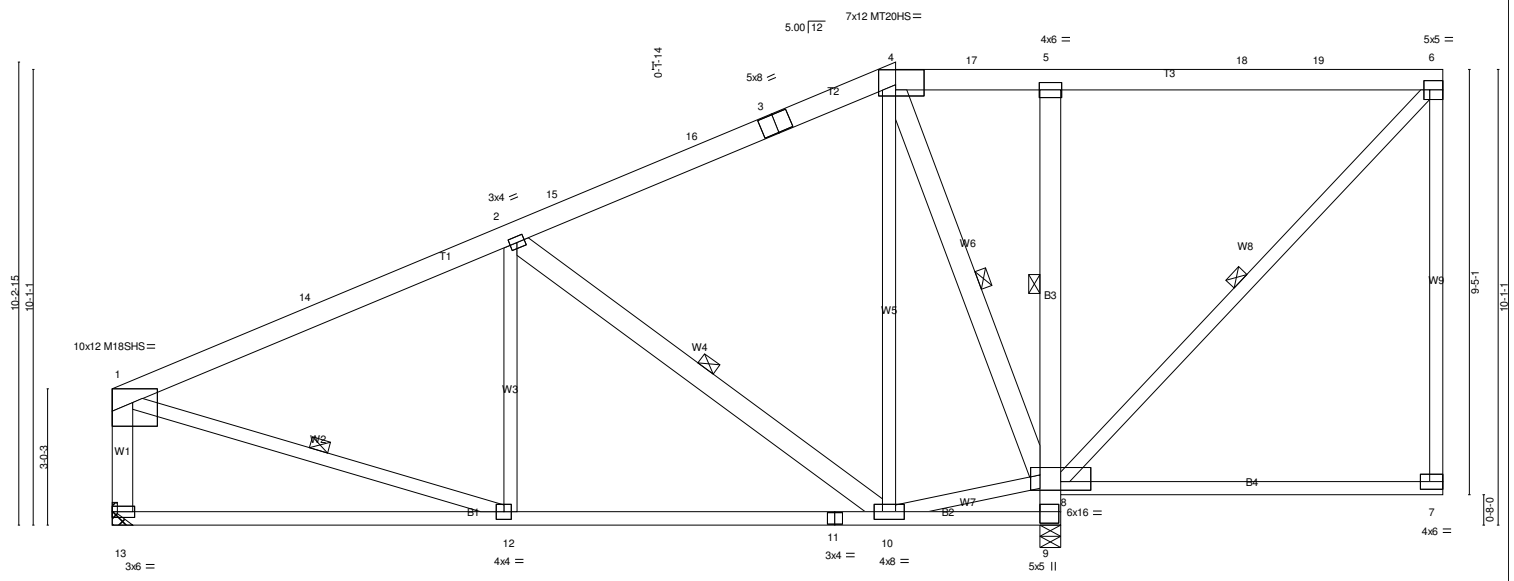
ID:MBBPOVeHu7aCCR?UxmURQUyiUPp-WrCxGqiX3X4nqpO_PODtWbun7_IVu5_JrRd7t2znDL_

8-9-13	17-4-3	21-0-0	29-5-8
8-9-13	8-6-5	3-7-14	8-5-8

Scale = 1:51.0



8-9-13	17-4-3	21-0-0	29-5-8
8-9-13	8-6-5	3-7-14	8-5-8

Plate Offsets (X,Y)-- [1:Edge,0-3-11], [4:0-7-8,0-4-0], [6:Edge,0-2-8], [7:Edge,0-2-0], [8:0-8-0,0-2-4], [9:0-3-0,0-0-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.82	Vert(LL) -0.09 10-12 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.69	Vert(TL) -0.23 10-12 >999 240	MT20HS 148/108
TCDL 7.0	Rep Stress Incr NO	WB 0.72	Horz(TL) 0.03 9 n/a n/a	M18SHS 197/144
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 199 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF 2100F 1.8E *Except*
T2: 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B3: 2x6 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W4,W6: 2x6 SPF No.2, W1: 2x6 SPF 2100F 1.8E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-0-11 oc bracing. Except:
1 Row at midpt 5-8
WEBS 1 Row at midpt 2-10, 4-8, 6-8, 1-12

REACTIONS. (lb/size) 13=1572/Mechanical, 9=2887/0-5-8
Max Horz 13=472(LC 6)
Max Uplift13=-269(LC 9), 9=-1003(LC 6)
Max Grav 13=2213(LC 14), 9=3238(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-2347/278, 2-14=-1979/293, 2-15=-875/200, 15-16=-548/218, 3-16=-525/220, 3-4=-435/258, 4-17=-327/616, 5-17=-328/605, 5-18=-313/575, 18-19=-313/575, 6-19=-313/575, 1-13=-2120/310
BOT CHORD 12-13=-447/460, 11-12=-249/1841, 10-11=-249/1841, 9-10=-371/245, 8-9=-3228/1005, 5-8=-1278/386
WEBS 2-12=-271/277, 2-10=-1697/447, 4-10=-223/1041, 8-10=-193/614, 4-8=-2000/493, 6-8=-877/323, 1-12=-46/1449

JOINT STRESS INDEX
1 = 0.82, 2 = 0.70, 3 = 0.88, 4 = 1.00, 5 = 0.75, 6 = 0.87, 7 = 0.86, 8 = 0.95, 9 = 0.59, 10 = 0.59, 11 = 0.72, 12 = 0.88 and 13 = 0.77

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 269 lb uplift at joint 13 and 1003 lb uplift at joint 9.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13, 14 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 9-13=-20, 7-8=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-4=-126, 4=-126-to-6=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 9-13=-20, 7-8=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-15=-146, 15=-170-to-4=-150, 4=-70-to-6=-38

Continued on page 2

LOAD CASE(S) Standard

3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 9-13=-20, 7-8=-20
   Trapezoidal Loads (plf)
      Vert: 1=-117-to-4=-70, 4=-157-to-19=-131, 19=-101-to-6=-94
13) 3rd Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 9-13=-20, 7-8=-20
   Trapezoidal Loads (plf)
      Vert: 1=-117-to-4=-70, 4=-182-to-6=-150
14) 4th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 9-13=-20, 7-8=-20
   Trapezoidal Loads (plf)
      Vert: 1=-228-to-4=-182, 4=-70-to-6=-38

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1EA	MONO PITCH	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:20 2016 Page 1
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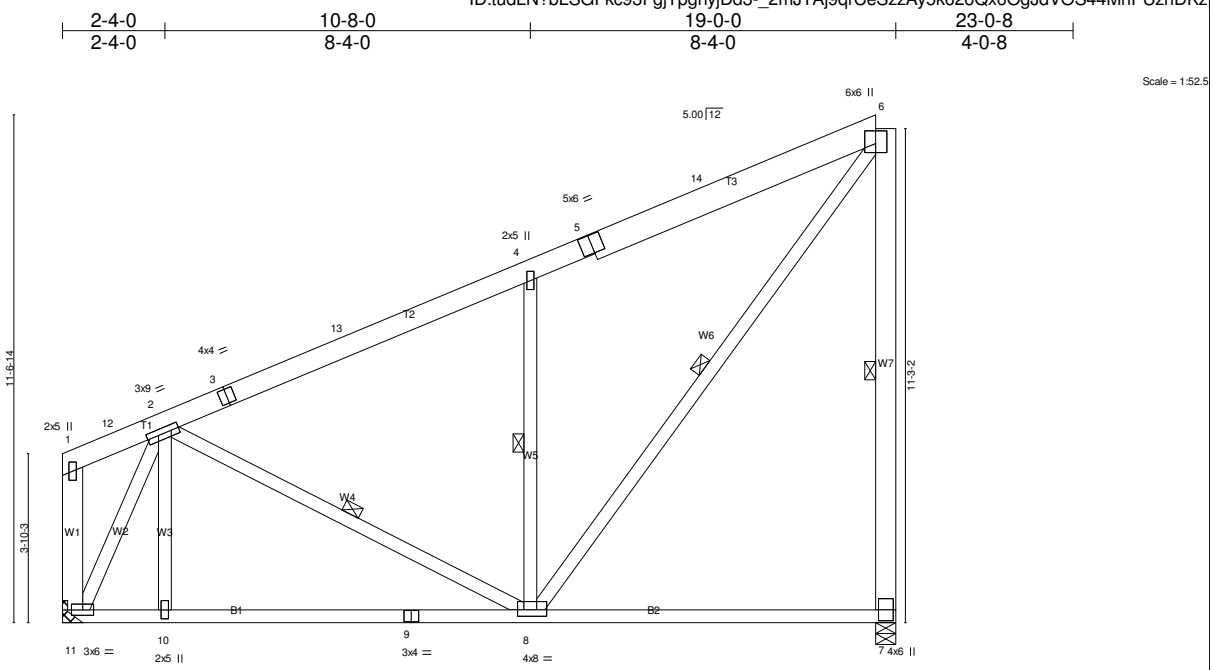

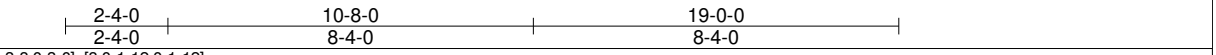

Plate Offsets (X,Y)-- [2:0-3-2,0-1-8], [6:0-3-8,0-3-0], [8:0-1-12,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.87	Vert(LL)	-0.08	8-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.52	Vert(TL)	-0.22	8-10	>999	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.90	Horz(TL)	-0.02	11	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 131 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2 *Except*
T3: 2x8 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W7,W1: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-7, 2-8, 4-8, 6-8

REACTIONS. (lb/size) 7=1300/0-5-8, 11=1543/Mechanical
Max Horz 7=426(LC 9)
Max Uplift7=-515(LC 9), 11=-176(LC 9)
Max Grav7=1549(LC 2), 11=1598(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1323/81, 3-13=-1088/91, 4-13=-1075/105, 4-5=-1341/301, 5-14=-1107/309, 6-14=-1083/322, 6-7=-1465/549, 1-11=-286/163
BOT CHORD 10-11=-109/831, 9-10=-109/831, 8-9=-109/831, 7-8=-28/420
WEBS 2-11=-1898/258, 2-10=0/296, 4-8=-1263/502, 6-8=-617/1649

JOINT STRESS INDEX
1 = 0.67, 2 = 0.94, 3 = 0.40, 4 = 0.46, 5 = 0.30, 6 = 0.96, 7 = 0.79, 8 = 0.92, 9 = 0.61, 10 = 0.31 and 11 = 0.95

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 515 lb uplift at joint 7 and 176 lb uplift at joint 11.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 1, 2, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-11=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-6=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-11=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-5=-122, 5=-168-to-6=-139
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 7-11=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-6=-38

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1EB	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:21 2016 Page 1
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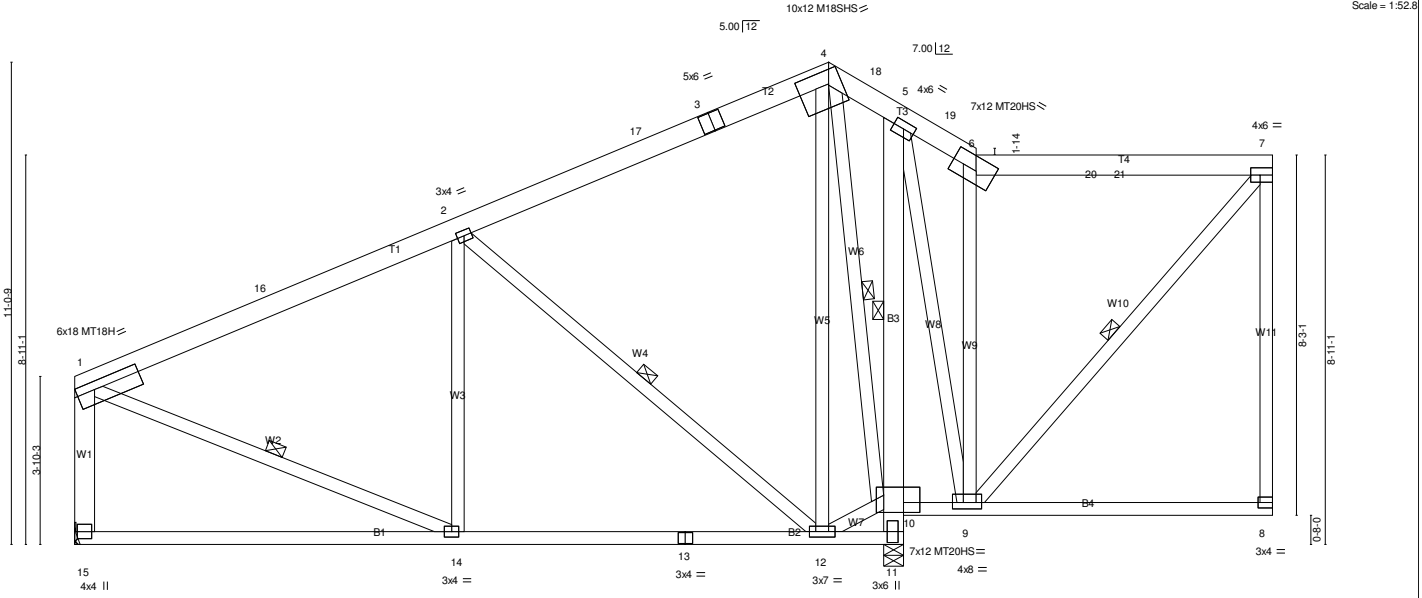


8-9-7 | 17-3-6 | 19-0-0 | 20-7-15 | 27-5-8
8-9-7 | 8-5-15 | 1-8-10 | 1-7-15 | 6-9-9

Plate Offsets (X,Y)-- [1:Edge,0-2-4], [4:0-8-8,0-3-12], [6:0-7-0,0-3-12], [7:Edge,0-2-0], [8:Edge,0-1-8], [9:0-3-0,0-1-12], [10:0-10-0,0-4-12], [11:0-3-0,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.97	Vert(LL)	-0.08	12-14	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.53	Vert(TL)	-0.22	12-14	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	NO	WB	0.85	Horz(TL)	0.02	11	n/a	n/a	MT18H	197/144
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 200 lb	FT=44%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B3: 2x6 SPF No.2
WEBS 2x4 SPF No.2 *Except*
W1: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-11-14 oc bracing. Except:
1 Row at midpt 5-10
WEBS 1 Row at midpt 2-12, 4-10, 7-9, 1-14

REACTIONS. (lb/size) 15=1379/Mechanical, 11=2773/0-5-8
Max Horz 15=460(LC 8)
Max Uplift15=-236(LC 9), 11=-829(LC 6)
Max Grav15=1512(LC 2), 11=2773(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-1373/227, 2-16=-1100/241, 2-17=-333/321, 3-17=-276/444, 3-4=-272/551, 4-18=-350/817, 5-18=-355/792, 5-19=-230/456, 6-19=-234/408, 6-20=-245/464, 20-21=-245/459, 7-21=-245/459, 1-15=-1422/276
BOT CHORD 14-15=-431/249, 13-14=-216/1031, 12-13=-216/1031, 11-12=-598/145, 10-11=-2797/788, 5-10=-959/359, 9-10=-689/323
WEBS 2-14=-155/287, 2-12=-1307/444, 4-12=-218/803, 10-12=-120/576, 4-10=-1904/499, 5-9=-407/1164, 6-9=-637/247, 7-9=-749/258, 1-14=-66/849

JOINT STRESS INDEX
1 = 0.99, 2 = 0.64, 3 = 0.91, 4 = 0.95, 5 = 0.79, 6 = 0.96, 7 = 0.78, 8 = 0.78, 9 = 0.95, 10 = 0.94, 11 = 0.56, 12 = 0.86, 13 = 0.91, 14 = 0.73 and 15 = 0.96

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 236 lb uplift at joint 15 and 829 lb uplift at joint 11.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13, 14, 15, 16, 17, 18 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 11-15=-20, 8-10=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-4=-123, 4=-123-to-6=-113, 6=-113-to-7=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 11-15=-20, 8-10=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-17=-135, 17=-168-to-4=-155, 4=-67-to-6=-57, 6=-57-to-7=-38

Continued on page 2

LOAD CASE(S) Standard

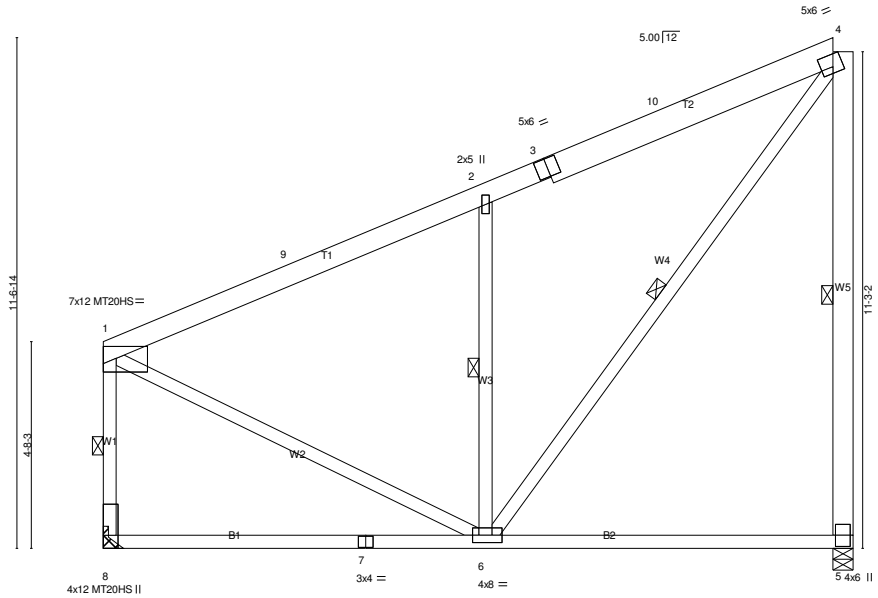
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 11-15=-20, 8-10=-20
   Trapezoidal Loads (plf)
      Vert: 1=-117-to-4=-67, 4=-170-to-6=-160, 6=-160-to-20=-153, 20=-106-to-7=-94
13) 3rd Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 11-15=-20, 8-10=-20
   Trapezoidal Loads (plf)
      Vert: 1=-117-to-4=-67, 4=-140-to-6=-131, 6=-57-to-7=-38
14) 4th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 11-15=-20, 8-10=-20
   Trapezoidal Loads (plf)
      Vert: 1=-173-to-17=-135, 17=-168-to-4=-155, 4=-67-to-6=-57, 6=-57-to-7=-38
15) 5th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 11-15=-20, 8-10=-20
   Trapezoidal Loads (plf)
      Vert: 1=-117-to-4=-67, 4=-170-to-6=-160, 6=-57-to-7=-38
16) 6th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 11-15=-20, 8-10=-20
   Trapezoidal Loads (plf)
      Vert: 1=-117-to-4=-67, 4=-67-to-6=-57, 6=-154-to-7=-134
17) 7th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 11-15=-20, 8-10=-20
   Trapezoidal Loads (plf)
      Vert: 1=-117-to-4=-67, 4=-67-to-6=-57, 6=-179-to-7=-160
18) 8th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 11-15=-20, 8-10=-20
   Trapezoidal Loads (plf)
      Vert: 1=-117-to-4=-67, 4=-189-to-6=-179, 6=-57-to-7=-38

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1FA	MONO PITCH	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:21 2016 Page 1
ID:ITJT?1eDkBeJTcnpLr1WIPyjDd0-SEKhgWkoa9KV37XNWpFLb0z4ro1rM1ybIk6ExwznDKy

8-8-0 | 17-0-0 | 21-0-0
8-8-0 | 8-4-0 | 4-0-0

Scale = 1:52.2



8-8-0 | 17-0-0
8-8-0 | 8-4-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	1.00	Vert(LL)	-0.10	6-8	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.51	Vert(TL)	-0.24	6-8	>833	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	NO	WB	0.63	Horz(TL)	-0.00	8	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 114 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x8 SPF No.2 *Except*
T1: 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W5: 2x6 SPF No.2, W1: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-5, 2-6, 4-6, 1-8

REACTIONS. (lb/size) 5=1165/0-5-8, 8=1383/Mechanical
Max Horz 5=381(LC 9)
Max Uplift5=-488(LC 9), 8=-131(LC 9)
Max Grav 5=1392(LC 2), 8=1440(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-1173/55, 2-9=-906/70, 2-3=-1202/281, 3-10=-967/290, 4-10=-935/302, 4-5=-1305/520, 1-8=-1347/166
BOT CHORD 5-6=-24/376
WEBS 1-6=0/834, 2-6=-1376/541, 4-6=-582/1419

JOINT STRESS INDEX
1 = 0.97, 2 = 0.51, 3 = 0.50, 4 = 0.96, 5 = 0.74, 6 = 0.93, 7 = 0.63 and 8 = 0.87

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 488 lb uplift at joint 5 and 131 lb uplift at joint 8.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 5-8=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-4=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 5-8=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-3=-126, 3=-168-to-4=-136
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 5-8=-20

Continued on page 2

LOAD CASE(S) Standard
Trapezoidal Loads (plf)
Vert: 1=-117-to-4=-38

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1FB	SPECIAL	1	1	Job Reference (optional)

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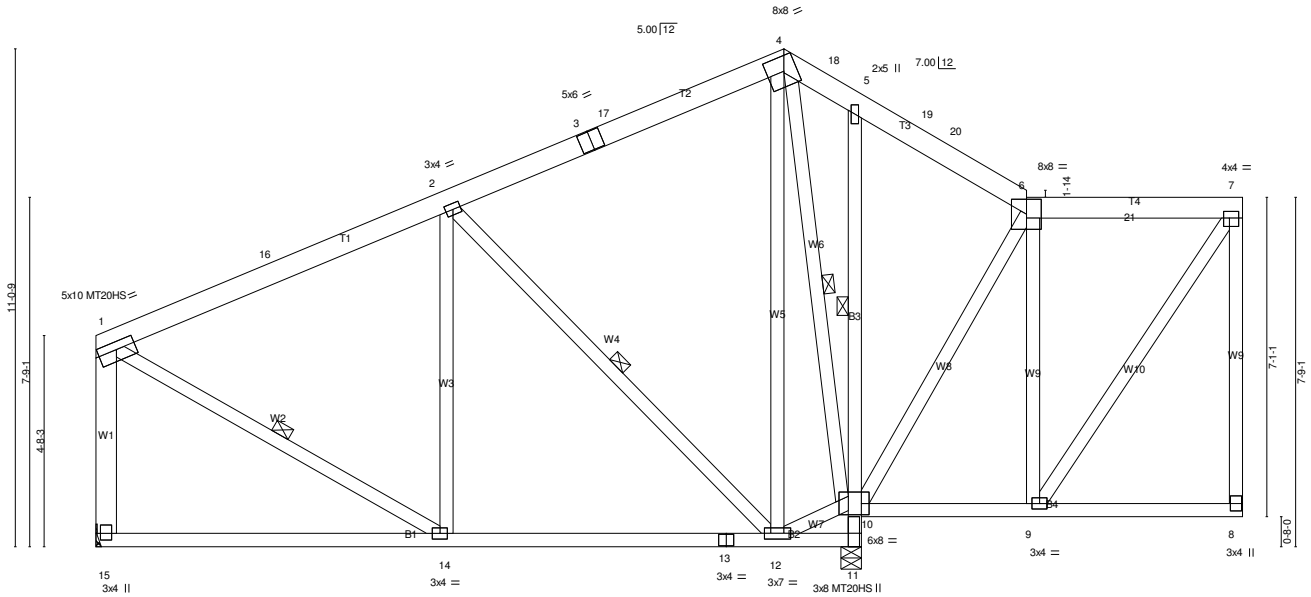
ID:MBBPOVeHu7aCCR?UxmURQUyiUPp-wQu3uskQLSSMhH6Z4Wma7DWlqCOU5R9lXOrnTNznDKx

7-9-7	15-3-6	17-0-0	20-7-15	25-5-8
7-9-7	7-5-15	1-8-10	3-7-15	4-9-9

Scale = 1:51.2



7-9-7	15-3-6	17-0-0	20-7-15	25-5-8
7-9-7	7-5-15	1-8-10	3-7-15	4-9-9

Plate Offsets (X,Y)-- [1:0-5-0,0-2-0], [4:0-4-9,0-4-0], [7:0-1-8,0-1-12], [10:0-2-0,0-3-0], [11:0-3-8,0-0-0], [15:0-1-12,0-1-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.79	Vert(LL) -0.06 12-14 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.42	Vert(TL) -0.15 12-14 >999 240	MT20HS 148/108
TCDL 7.0	Rep Stress Incr NO	WB 0.82	Horz(TL) 0.01 11 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 183 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
W1: 2x6 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 3-3-7 oc bracing. Except:
1 Row at midpt 5-10
WEBS 1 Row at midpt 2-12, 4-10, 1-14

REACTIONS. (lb/size) 15=1192/Mechanical, 11=2653/0-5-8
Max Horz 15=430(LC 8)
Max Uplift15=-206(LC 9), 11=-730(LC 6)
Max Grav 15=1340(LC 2), 11=2653(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-1054/202, 2-16=-812/215, 2-3=-285/287, 3-17=-210/369, 4-17=-208/477, 4-18=-276/751, 5-18=-282/702, 5-19=-289/769, 19-20=-296/709, 6-20=-304/665, 6-21=-158/254, 1-15=-1260/242
BOT CHORD 14-15=-402/245, 13-14=-222/768, 12-13=-222/768, 11-12=-253/65, 10-11=-2666/707, 5-10=-530/113, 9-10=-258/175
WEBS 2-12=-1089/381, 4-12=-275/858, 10-12=-184/266, 4-10=-1839/456, 6-10=-747/293, 6-9=-217/446, 7-9=-471/158, 1-14=-90/722

JOINT STRESS INDEX
1 = 0.90, 2 = 0.64, 3 = 0.78, 4 = 0.94, 5 = 0.45, 6 = 0.88, 7 = 0.83, 8 = 0.86, 9 = 0.54, 10 = 0.85, 11 = 0.52, 12 = 0.78, 13 = 0.40, 14 = 0.64 and 15 = 0.99

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 15 and 730 lb uplift at joint 11.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13, 14, 15, 16, 17, 18 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 11-15=-20, 8-10=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-4=-125, 4=-125-to-6=-109, 6=-109-to-7=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 11-15=-20, 8-10=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-3=-139, 3=-171-to-4=-158, 4=-69-to-6=-53, 6=-53-to-7=-38
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15

Continued on page 2

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 11-15=-20, 8-10=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-4=-69, 4=-169-to-6=-152, 6=-109-to-7=-94
13) 3rd Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 11-15=-20, 8-10=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-4=-69, 4=-125-to-19=-117, 19=-128-to-6=-120, 6=-53-to-7=-38
14) 4th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 11-15=-20, 8-10=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-3=-139, 3=-171-to-4=-158, 4=-69-to-6=-53, 6=-53-to-7=-38
15) 5th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 11-15=-20, 8-10=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-4=-69, 4=-169-to-6=-152, 6=-53-to-7=-38
16) 6th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 11-15=-20, 8-10=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-4=-69, 4=-69-to-6=-53, 6=-149-to-7=-134
17) 7th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 11-15=-20, 8-10=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-4=-69, 4=-69-to-6=-53, 6=-175-to-7=-160
18) 8th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 11-15=-20, 8-10=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-4=-69, 4=-191-to-6=-175, 6=-53-to-7=-38

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1GA	MONO PITCH	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:23 2016 Page 1
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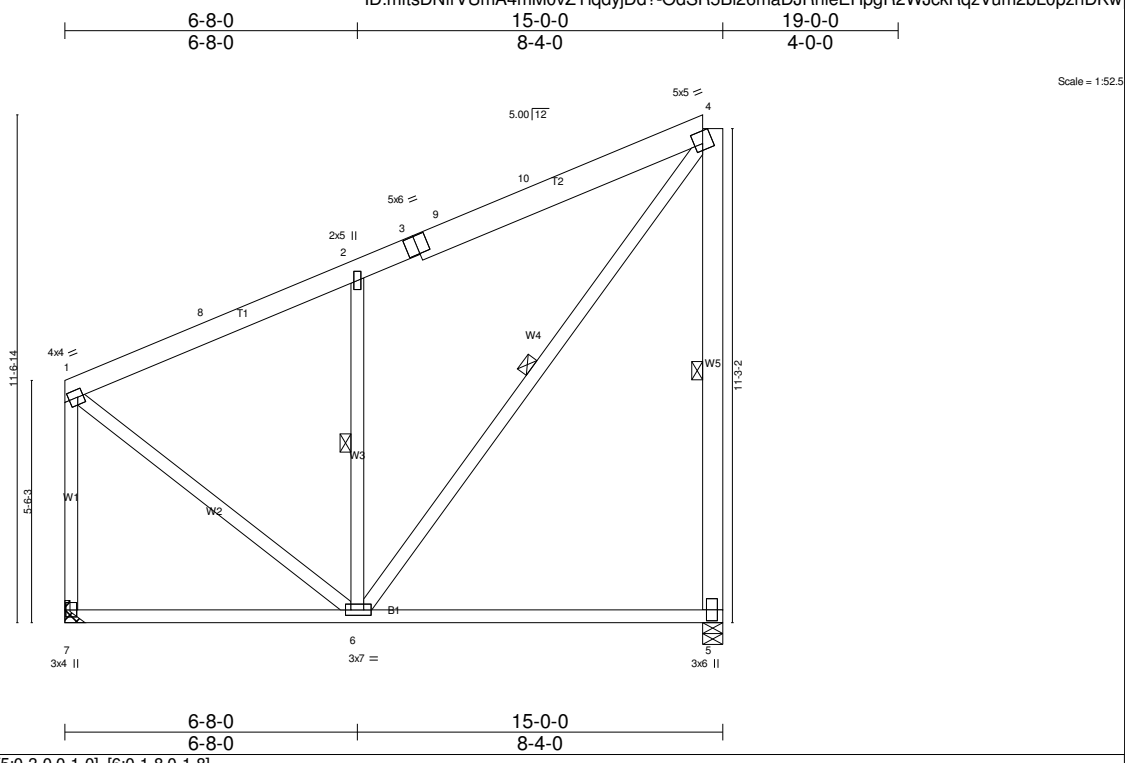


Plate Offsets (X,Y)-- [1:0-1-8,0-2-0], [4:0-2-4,0-3-4], [5:0-3-0,0-1-0], [6:0-1-8,0-1-8]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.61	Vert(LL)	-0.08	5-6	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.37	Vert(TL)	-0.20	5-6	>895	240		
TCDL	7.0	Rep Stress Incr YES	WB	0.50	Horz(TL)	-0.00	7	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 108 lb	FT = 4%
BCDL	10.0										

LUMBER-
TOP CHORD 2x8 SPF No.2 *Except*
T1: 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W5: 2x6 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 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-5, 2-6, 4-6

REACTIONS. (lb/size) 5=834/0-5-8, 7=834/Mechanical
Max Horz 5=335(LC 9)
Max Uplift5=-460(LC 9), 7=-85(LC 9)
Max Grav 5=1019(LC 2), 7=881(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-630/34, 2-8=-465/47, 2-3=-727/232, 3-9=-648/234, 9-10=-551/240, 4-10=-535/253, 4-5=-931/495, 1-7=-819/107
BOT CHORD 5-6=-20/329
WEBS 1-6=0/598, 2-6=-865/474, 4-6=-512/785

JOINT STRESS INDEX
1 = 0.70, 2 = 0.32, 3 = 0.25, 4 = 0.94, 5 = 1.00, 6 = 0.94 and 7 = 0.65

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 460 lb uplift at joint 5 and 85 lb uplift at joint 7.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

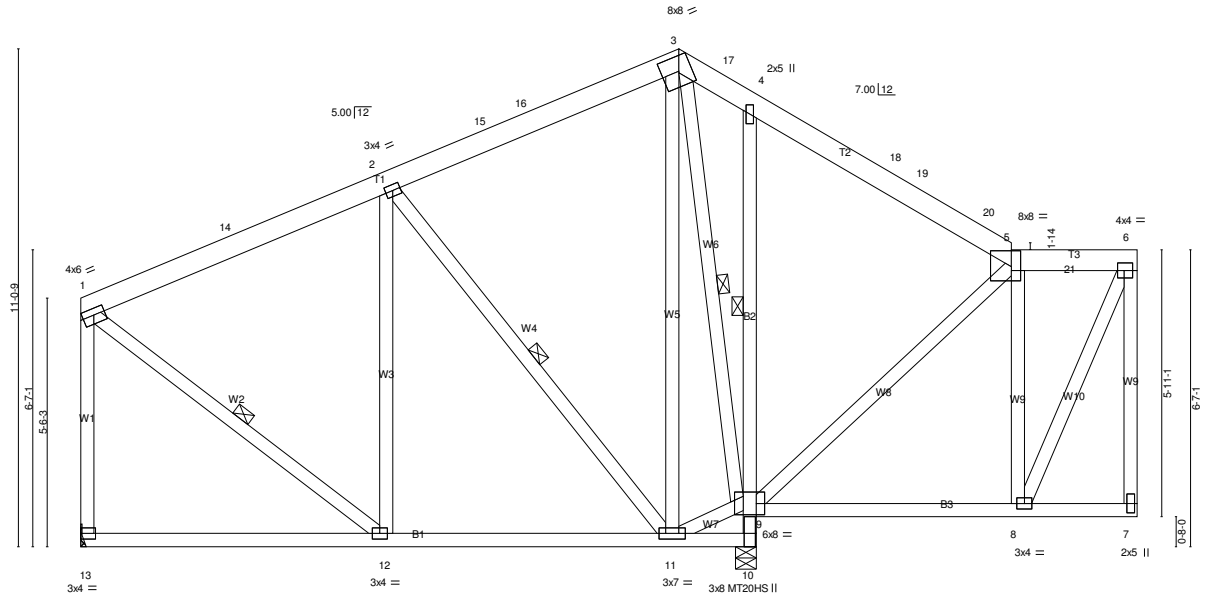
Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1GB	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products

ID:qNlncrfvfRi3pbahUU?gziyiUPo-sp0qJXmgt4i4waGyBxo2Debfv?3HZM12_iKuYFznDKv

6-9-7	13-3-6	15-0-0	20-7-15	23-5-8
6-9-7	6-5-15	1-8-10	5-7-15	2-9-9

Scale = 1:51.2



6-9-7	13-3-6	15-0-0	20-7-15	23-5-8
6-9-7	6-5-15	1-8-10	5-7-15	2-9-9

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

LOADING (psf)	**SPACING-** 2-0-0	**CSI.**	**DEFL.** in (loc) l/defl L/d	**PLATES** **GRIP**
TCLL 40.0	Plate Grip DOL 1.15	TC 0.75	Vert(LL) -0.05 11-12 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.39	Vert(TL) -0.10 11-12 >999 240	MT20HS 148/108
TCDL 7.0	Rep Stress Incr NO	WB 0.73	Horz(TL) -0.01 10 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 170 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 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 3-4-9 oc bracing. Except:
1 Row at midpt 4-9
WEBS 1 Row at midpt 2-11, 3-9, 1-12

REACTIONS. (lb/size) 13=994/Mechanical, 10=2558/0-5-8
Max Horz 13=401(LC 8)
Max Uplift13=-174(LC 9), 10=-689(LC 9)
Max Grav 13=1159(LC 2), 10=2567(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-779/181, 2-14=-566/193, 2-15=-224/279, 15-16=-146/293, 3-16=-144/375, 3-17=-176/550, 4-17=-182/506, 4-18=-218/778, 18-19=-228/567, 19-20=-236/553, 5-20=-240/507, 1-13=-1091/209
BOT CHORD 12-13=-373/253, 11-12=-223/553, 10-11=-259/102, 9-10=-2568/672, 4-9=-901/265
WEBS 2-12=-256/226, 2-11=-946/333, 3-11=-295/809, 9-11=-248/279, 3-9=-1561/345, 5-9=-644/289, 5-8=-144/401, 6-8=-337/91, 1-12=-118/638

JOINT STRESS INDEX
1 = 0.89, 2 = 0.64, 3 = 0.64, 4 = 0.42, 5 = 0.88, 6 = 0.72, 7 = 0.89, 8 = 0.55, 9 = 0.84, 10 = 0.89, 11 = 0.78, 12 = 0.58 and 13 = 0.78

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 174 lb uplift at joint 13 and 689 lb uplift at joint 10.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13, 14, 15, 16, 17, 18 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-13=-20, 7-9=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-3=-128, 3=-128-to-5=-103, 5=-103-to-6=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-13=-20, 7-9=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-15=-142, 15=-175-to-3=-160, 3=-72-to-5=-47, 5=-47-to-6=-38
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-13=-20, 7-9=-20

Continued on page 2

LOAD CASE(S) Standard
Trapezoidal Loads (plf)
Vert: 1=-117-to-3=-72, 3=-168-to-19=-150, 19=-111-to-5=-103, 5=-103-to-6=-94
13) 3rd Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-13=-20, 7-9=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-3=-72, 3=-128-to-20=-106, 20=-110-to-5=-107, 5=-47-to-6=-38
14) 4th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-13=-20, 7-9=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-15=-142, 15=-175-to-3=-160, 3=-72-to-5=-47, 5=-47-to-6=-38
15) 5th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-13=-20, 7-9=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-3=-72, 3=-168-to-19=-150, 19=-111-to-5=-103, 5=-47-to-6=-38
16) 6th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-13=-20, 7-9=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-3=-72, 3=-72-to-5=-47, 5=-143-to-6=-134
17) 7th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-13=-20, 7-9=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-3=-72, 3=-72-to-5=-47, 5=-169-to-6=-160
18) 8th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 10-13=-20, 7-9=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-3=-72, 3=-194-to-5=-169, 5=-47-to-6=-38

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1HA	MONO PITCH	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:24 2016 Page 1
ID:mftsDNfrVUmA4mM0vZYlqdyjDd?-sp0qJXmgt4i4waGyBxo2DebdL?3NZQN2_iKuYFznDKv

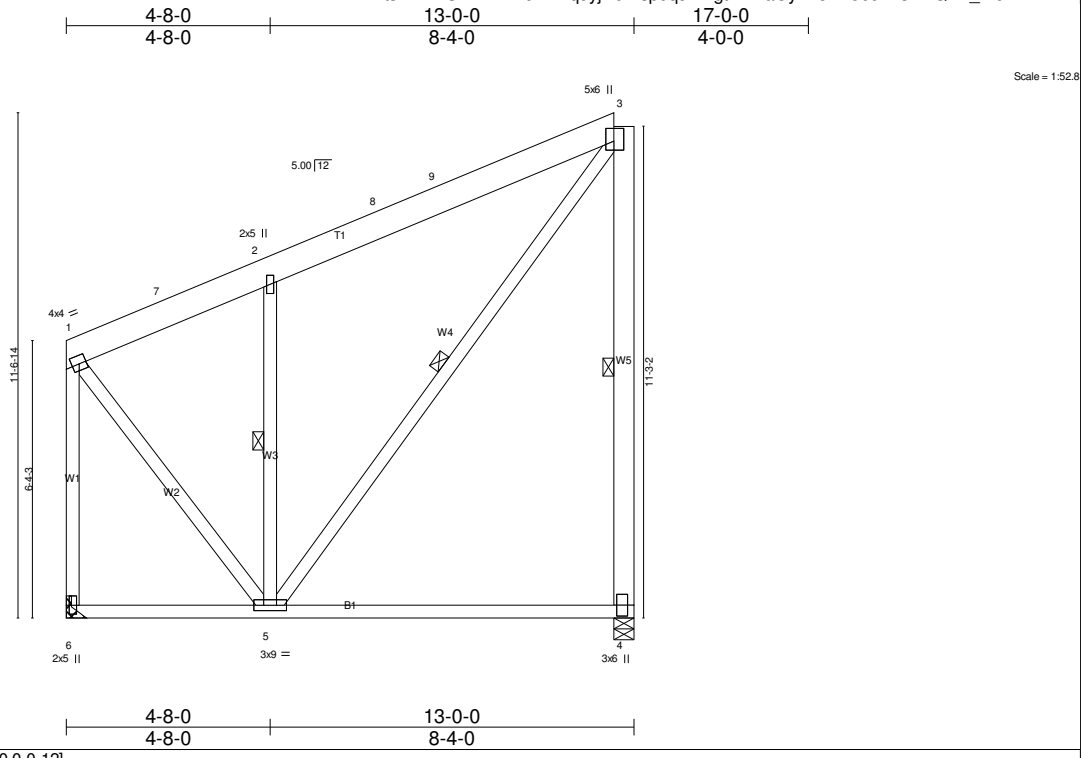


Plate Offsets (X,Y)-- [1:0-2-0,0-2-4], [3:0-3-8,0-2-4], [4:0-3-0,0-0-12]

LOADING (psf)		**SPACING-** 2-0-0		**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.09	4-5	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.39	Vert(TL)	-0.21	4-5	>708	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.45	Horz(TL)	-0.00	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 105 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x8 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W5: 2x6 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 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-4, 2-5, 3-5

REACTIONS. (lb/size) 4=885/0-5-8, 6=1050/Mechanical
Max Horz 4=293(LC 9)
Max Uplift4=-434(LC 9), 6=-36(LC 9)
Max Grav 4=1034(LC 2), 6=1091(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-584/17, 2-7=-364/28, 2-8=-772/207, 8-9=-549/212, 3-9=-530/225, 3-4=-943/470, 1-6=-1055/46
BOT CHORD 4-5=-16/287
WEBS 1-5=0/793, 2-5=-1128/444, 3-5=-470/769

JOINT STRESS INDEX
1 = 0.60, 2 = 0.42, 3 = 0.96, 4 = 0.97, 5 = 0.87 and 6 = 0.50

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 434 lb uplift at joint 4 and 36 lb uplift at joint 6.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 1, 2, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 4-6=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-3=-94
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 4-6=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-8=-128, 8=-163-to-3=-129
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 4-6=-20
Trapezoidal Loads (plf)
Vert: 1=-117-to-3=-38

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1HB	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:25 2016 Page 1
ID:qNlncrfvfRi3pbahUU?gziyiUPo-K?ZCWtnIeNqxYkr8lfKHls8obPMAlt1BDM4S4iznDKu

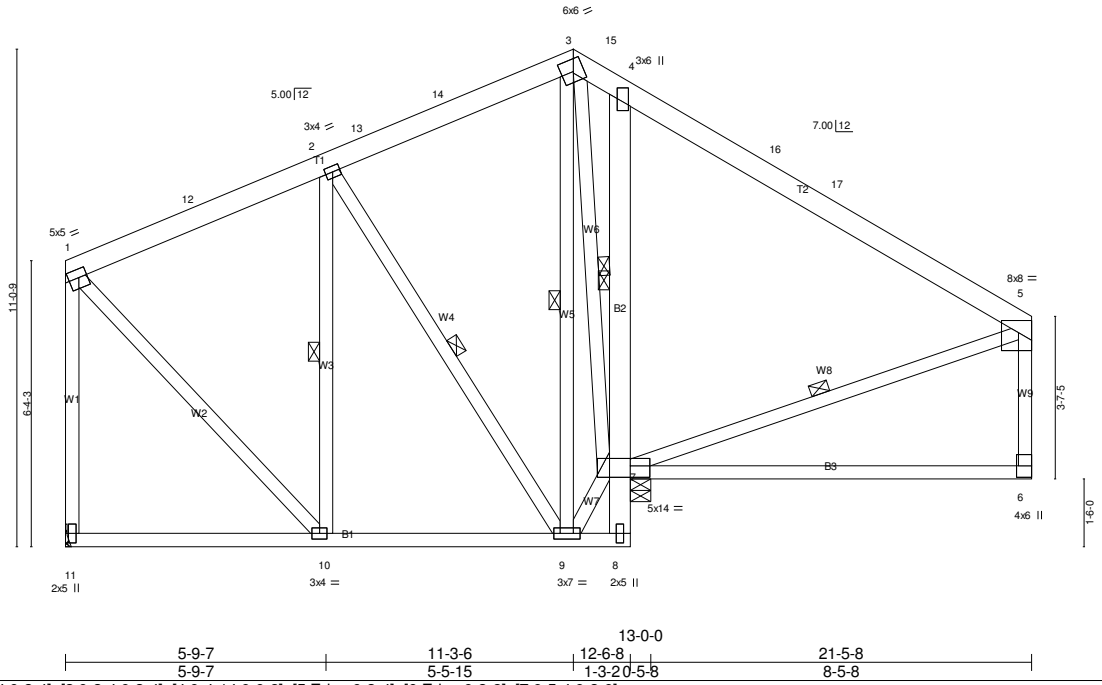


Plate Offsets (X,Y)-- [1:0-2-4,0-2-4], [3:0-3-4,0-3-4], [4:0-4-14,0-0-8], [5:Edge,0-3-4], [6:Edge,0-3-8], [7:0-5-4,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.04	9-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.61	Vert(TL)	-0.07	9-10	>999	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.49	Horz(TL)	-0.04	7	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 159 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2 *Except*
T2: 2x6 SPF 2100F 1.8E
BOT CHORD 2x4 SPF No.2 *Except*
B2: 2x6 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W9: 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. Except:
1 Row at midpt 4-7
WEBS 1 Row at midpt 2-10, 2-9, 3-9, 3-7, 5-7

REACTIONS. (lb/size) 11=663/Mechanical, 7=2582/0-5-8
Max Horz 11=-361(LC 7)
Max Uplift11=-112(LC 9), 7=-677(LC 9)
Max Grav 11=884(LC 2), 7=2582(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-451/150, 2-12=-307/159, 2-13=-107/313, 13-14=-98/389, 3-14=-95/474, 3-15=-171/347, 4-15=-174/326, 4-16=-114/904, 16-17=-130/575, 5-17=-149/552, 1-11=-828/149
BOT CHORD 10-11=-305/260, 9-10=-194/312, 8-9=-260/131, 4-7=-1559/692
WEBS 2-9=-883/299, 3-9=-518/928, 7-9=-335/435, 3-7=-1050/239, 1-10=-124/419, 5-7=-643/340

JOINT STRESS INDEX
1 = 0.79, 2 = 0.64, 3 = 0.80, 4 = 0.67, 5 = 0.87, 6 = 0.96, 7 = 0.94, 8 = 0.55, 9 = 0.78, 10 = 0.54 and 11 = 0.97

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 11 and 677 lb uplift at joint 7.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 8-11=-20, 6-7=-20
Trapezoidal Loads (plf)
Vert: 1=-173-to-3=-131, 3=-131-to-5=-94

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1IA	MONO PITCH	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:26 2016 Page 1
ID:EsREQifUGou1iwxCTG3_NqyjDd_-oB7akDnwPhyoAuQKJMrWI3g_tpjW1GgLS0p?c8znDKt

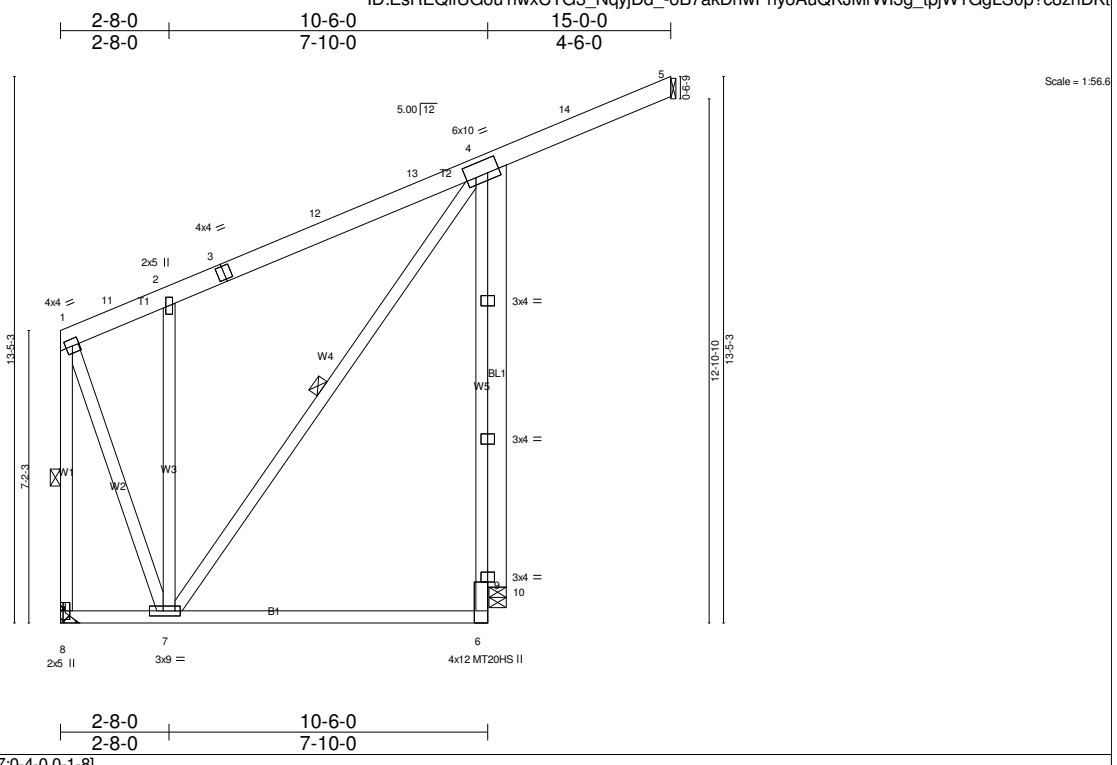


Plate Offsets (X,Y)-- [4:0-2-12,0-4-0], [6:0-3-8,Edge], [7:0-4-0,0-1-8]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.78	Vert(LL)	-0.09	6-7	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.54	Vert(TL)	-0.21	6-7	>614	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr YES	WB	0.72	Horz(TL)	-0.07	8	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 111 lb	FT = 4%
BCDL	10.0										

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3
OTHERS 2x6 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.
WEBS 1 Row at midpt 4-7, 1-8

REACTIONS. (lb/size) 5=-0/Mechanical, 8=813/Mechanical, 10=781/0-5-2
Max Horz 5=-579(LC 20), 10=579(LC 20)
Max Uplift 8=-110(LC 9), 10=-487(LC 9)
Max Grav 8=938(LC 2), 10=893(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-312/41, 2-3=-444/187, 3-12=-318/197, 12-13=-305/197, 4-14=-675/186, 5-14=-662/197, 1-8=-916/105
BOT CHORD 6-7=0/544
WEBS 1-7=-105/837, 2-7=-571/364, 4-7=-573/163

JOINT STRESS INDEX
1 = 0.59, 2 = 0.21, 3 = 0.34, 4 = 0.70, 6 = 0.89, 7 = 0.96, 8 = 0.36, 9 = 0.00, 9 = 0.00, 9 = 0.00 and 9 = 0.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Refer to girder(s) for truss to truss connections.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 8 and 487 lb uplift at joint 10.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1IB	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:26 2016 Page 1
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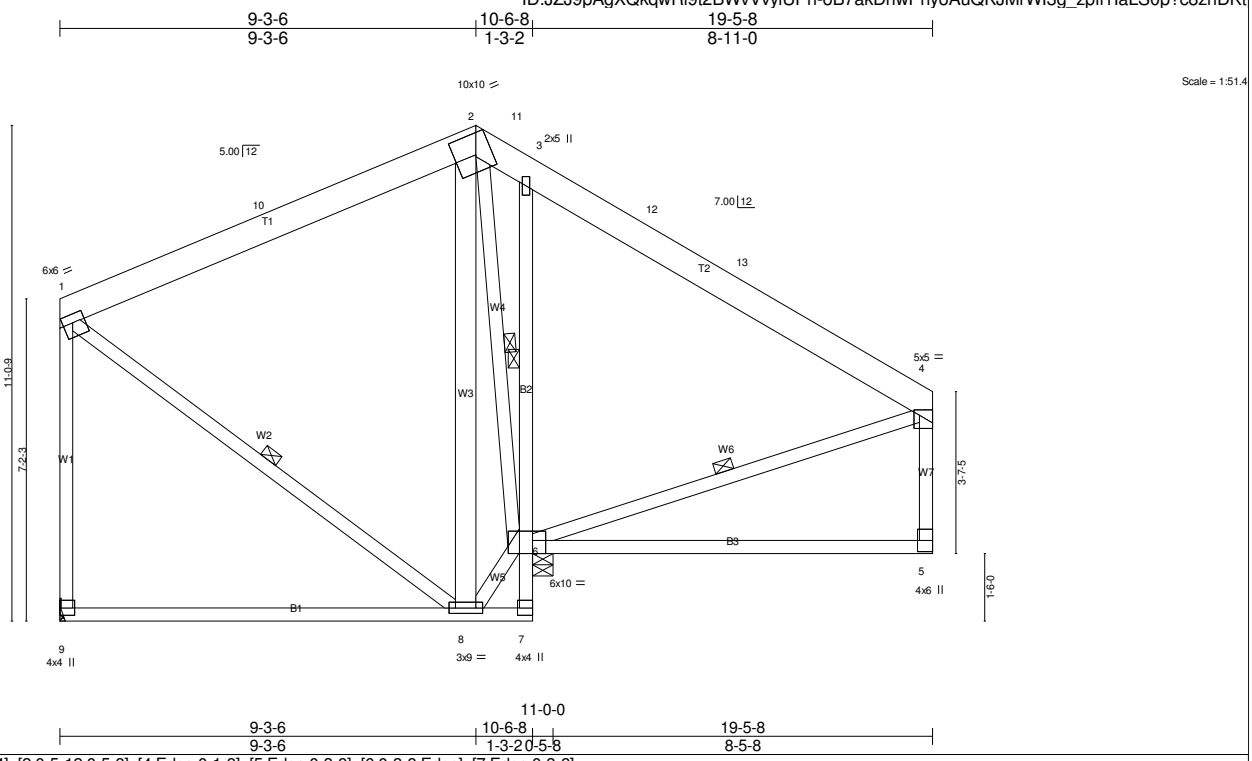

Plate Offsets (X,Y)-- [1:0-2-12,0-2-4], [2:0-5-12,0-5-8], [4:Edge,0-1-8], [5:Edge,0-3-8], [6:0-3-8,Edge], [7:Edge,0-3-8]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.78	Vert(LL)	-0.14	8-9	>910	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.78	Vert(TL)	-0.34	8-9	>362	240		
TCDL	7.0	Rep Stress Incr YES	WB	0.60	Horz(TL)	-0.03	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 149 lb	FT = 4%
BCDL	10.0										

LUMBER-
TOP CHORD 2x8 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B2: 2x4 SPF No.3
WEBS 2x4 SPF No.3 *Except*
W3: 2x6 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. Except:
1 Row at midpt 3-6
WEBS 1 Row at midpt 2-6, 1-8, 4-6

REACTIONS. (lb/size) 9=141/Mechanical, 6=2044/0-5-8
Max Horz 9=-384(LC 7)
Max Uplift 9=-219(LC 17), 6=-652(LC 10)
Max Grav 9=400(LC 2), 6=2044(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-123/334, 2-10=-108/454, 2-11=-168/436, 3-11=-171/396, 3-12=-118/787, 12-13=-133/536, 4-13=-152/505, 1-9=-311/303
BOT CHORD 8-9=-291/282, 7-8=-255/103, 6-7=-266/0, 3-6=-1045/450
WEBS 2-8=-317/695, 6-8=-321/417, 2-6=-1320/414, 1-8=-415/271, 4-6=-557/331

JOINT STRESS INDEX
1 = 0.92, 2 = 0.96, 3 = 0.50, 4 = 0.86, 5 = 0.96, 6 = 0.96, 7 = 0.68, 8 = 0.94 and 9 = 0.80

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 219 lb uplift at joint 9 and 652 lb uplift at joint 6.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1JA	MONO TRUSS	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:27 2016 Page 1
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9-0-0 13-0-0
9-0-0 4-0-0

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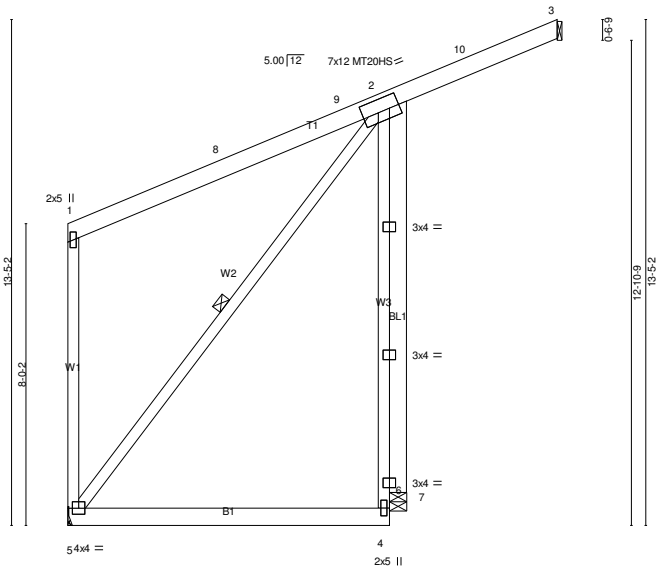

Plate Offsets (X,Y)-- [2:0-5-0,0-4-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.96	Vert(LL) -0.07 4-5 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.34	Vert(TL) -0.18 4-5 >566 240	MT20HS 148/108
TCDL 7.0	Rep Stress Incr YES	WB 0.72	Horz(TL) -0.12 5 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 95 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W3: 2x4 SPF No.2
OTHERS 2x6 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.
WEBS 1 Row at midpt 2-5

REACTIONS. (lb/size) 3=-0/Mechanical, 5=614/Mechanical, 7=753/0-5-8
Max Horz 3=-500(LC 18), 7=500(LC 18)
Max Uplift5=-66(LC 9), 7=-456(LC 9)
Max Grav 5=739(LC 2), 7=821(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-601/237, 3-10=-589/243, 1-5=-345/246
BOT CHORD 4-5=-163/438
WEBS 2-5=-732/47

JOINT STRESS INDEX
1 = 0.62, 2 = 0.77, 4 = 0.34, 5 = 0.31, 6 = 0.00, 6 = 0.00, 6 = 0.00 and 6 = 0.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Refer to girder(s) for truss to truss connections.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 5 and 456 lb uplift at joint 7.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1JB	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:28 2016 Page 1
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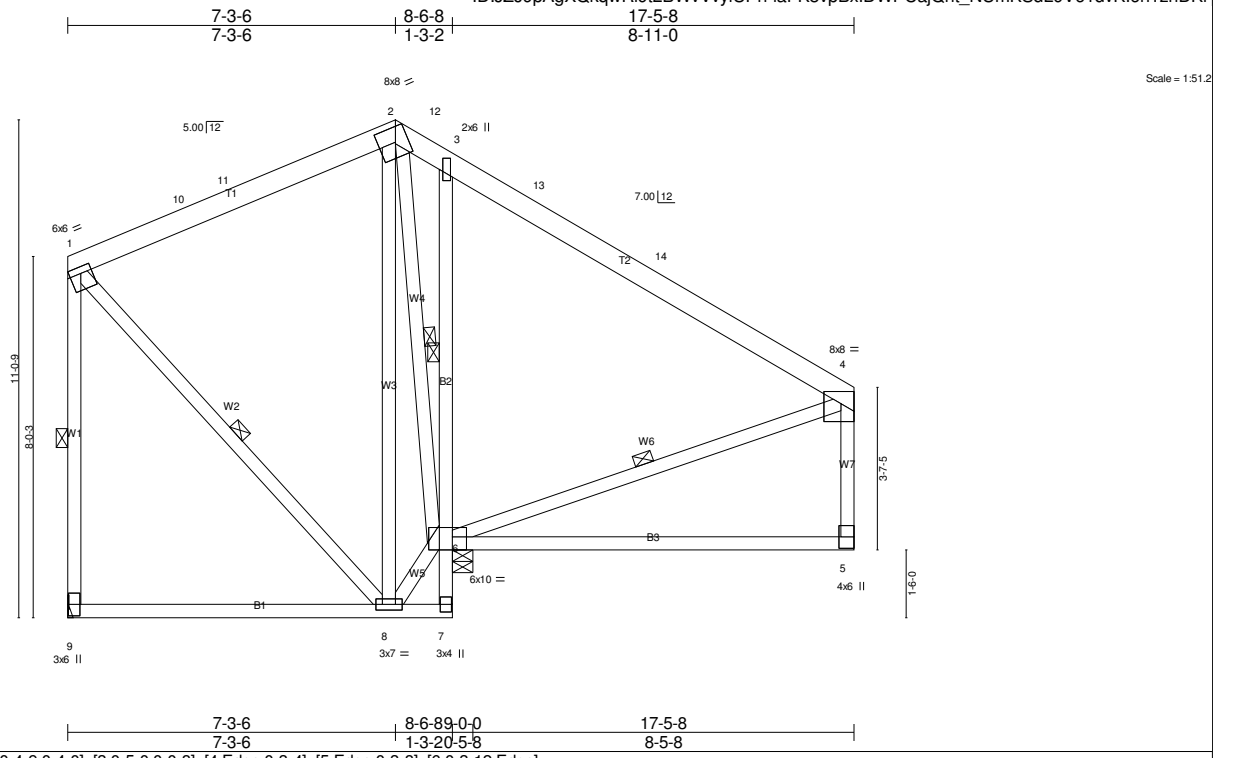


Plate Offsets (X,Y)-- [1:0-3-0,0-1-12], [2:0-4-9,0-4-0], [3:0-5-0,0-0-8], [4:Edge,0-3-4], [5:Edge,0-3-8], [6:0-3-12,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.72	Vert(LL)	-0.06	8-9	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.78	Vert(TL)	-0.15	8-9	>649	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.99	Horz(TL)	-0.03	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 125 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B2: 2x4 SPF No.3
WEBS 2x4 SPF No.3 *Except*
W7: 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. Except:
1 Row at midpt 3-6
WEBS 1 Row at midpt 2-6, 1-9, 1-8, 4-6

REACTIONS. (lb/size) 9=-79/Mechanical, 6=2037/0-5-8
Max Horz 9=-415(LC 7)
Max Uplift 9=-348(LC 17), 6=-680(LC 10)
Max Grav 9=276(LC 13), 6=2037(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-106/337, 10-11=-95/344, 2-11=-93/446, 2-12=-168/427, 3-12=-171/420, 3-13=-114/760, 13-14=-129/530, 4-14=-148/504, 1-9=-211/416
BOT CHORD 8-9=-290/287, 3-6=-1033/567
WEBS 2-8=-434/756, 6-8=-354/454, 2-6=-1199/344, 1-8=-490/305, 4-6=-599/346

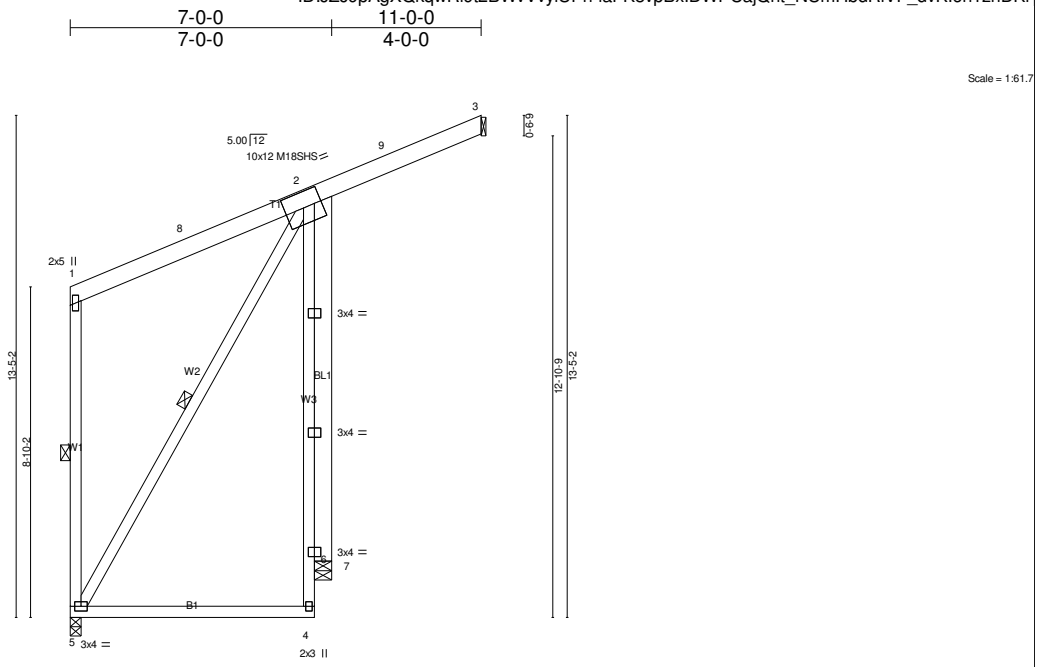
JOINT STRESS INDEX
1 = 0.92, 2 = 0.95, 3 = 0.67, 4 = 0.87, 5 = 0.99, 6 = 0.90, 7 = 0.87, 8 = 0.78 and 9 = 0.97

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 348 lb uplift at joint 9 and 680 lb uplift at joint 6.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1KA	MONO TRUSS	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:28 2016 Page 1
ID:JZJ9pAgXQkqwRl9t2BWvVvyiUPn-laFK8vpBxIDWPCajQnt_NUmHbdRiVF_dvKI6h1znDKr



LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.90	Vert(LL)	-0.09	4-5	>861	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.43	Vert(TL)	-0.23	4-5	>343	240	M18SHS	197/144
TCDL	7.0	Rep Stress Incr	YES	WB	0.42	Horz(TL)	-0.26	5	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 82 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
W1: 2x4 SPF 2100F 1.8E, W2: 2x4 SPF No.3
OTHERS 2x6 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.
WEBS 1 Row at midpt 1-5, 2-5

REACTIONS. (lb/size) 3=-0/Mechanical, 5=479/0-3-8, 7=661/0-5-8
Max Horz 3=369(LC 9), 7=324(LC 18)
Max Uplift 5=-225(LC 9), 7=-267(LC 5)
Max Grav 5=549(LC 2), 7=732(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-439/332, 3-9=-427/339, 1-5=-331/215
WEBS 2-5=-486/68

JOINT STRESS INDEX
1 = 0.62, 2 = 0.84, 4 = 0.27, 5 = 0.30, 6 = 0.00, 6 = 0.00, 6 = 0.00 and 6 = 0.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Refer to girder(s) for truss to truss connections.
8) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 5 and 267 lb uplift at joint 7.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1KB	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:29 2016 Page 1
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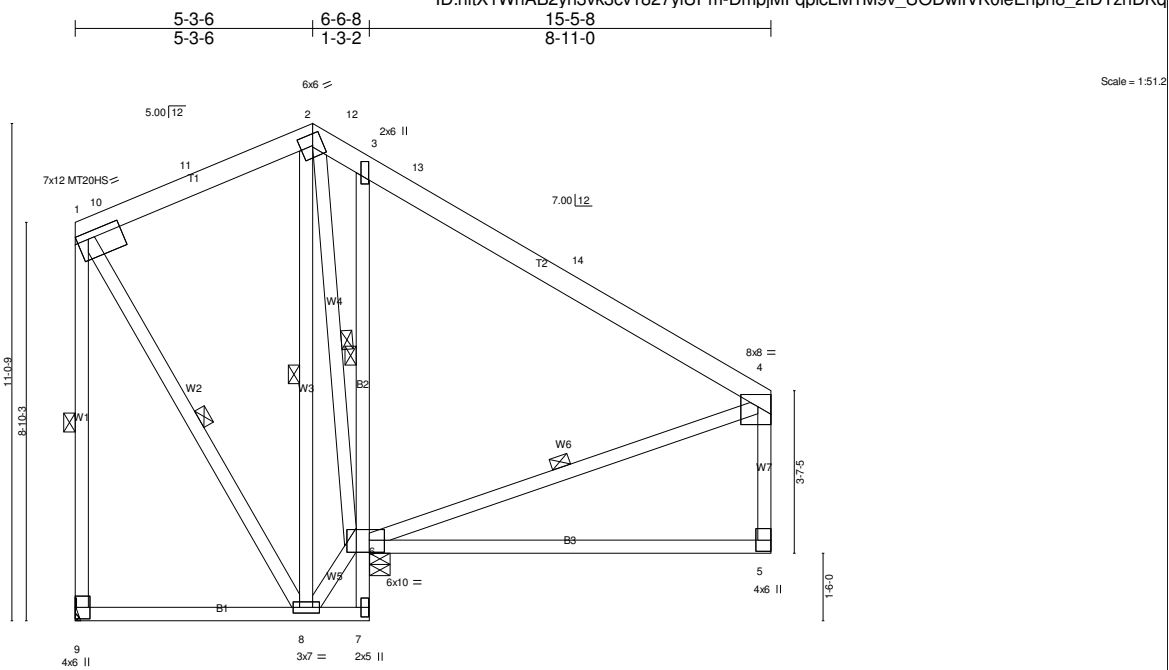


Plate Offsets (X,Y)-- [1:0-3-0,0-1-12], [2:0-3-4,0-3-0], [3:0-5-0,0-0-4], [4:Edge,0-3-4], [5:Edge,0-3-8], [6:0-4-0,0-3-4], [7:0-2-8,0-1-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.71	Vert(LL)	0.05	8-9	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.77	Vert(TL)	-0.05	8-9	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	-0.03	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 119 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B2: 2x4 SPF No.3
WEBS 2x4 SPF No.3 *Except*
W7: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 3-6
WEBS 1 Row at midpt 2-8, 2-6, 1-9, 1-8, 4-6

REACTIONS. (lb/size) 9=-369/Mechanical, 6=2098/0-5-8
Max Horz 9=-442(LC 7)
Max Uplift 9=-538(LC 17), 6=-735(LC 10)
Max Grav 9=299(LC 6), 6=2098(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-85/316, 10-11=-83/338, 2-11=-70/422, 2-12=-151/410, 3-12=-153/403, 3-13=-114/744, 13-14=-129/535, 4-14=-148/503, 1-9=-248/590
BOT CHORD 8-9=-284/294, 3-6=-1055/672
WEBS 2-8=-535/864, 6-8=-376/462, 2-6=-1079/350, 1-8=-625/365, 4-6=-596/345

JOINT STRESS INDEX
1 = 0.89, 2 = 0.85, 3 = 0.78, 4 = 0.86, 5 = 0.99, 6 = 0.88, 7 = 0.91, 8 = 0.50 and 9 = 0.80

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 538 lb uplift at joint 9 and 735 lb uplift at joint 6.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1LA	MONO TRUSS	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:29 2016 Page 1
ID:nltX1WhAB2yn3vk3cv1827yiUPm-DmpjMFqpicLM1M9v_UODwiIVj0rmEdun8_2fDTznDKq

5-0-0 9-0-0
5-0-0 4-0-0

Scale = 1:61.9

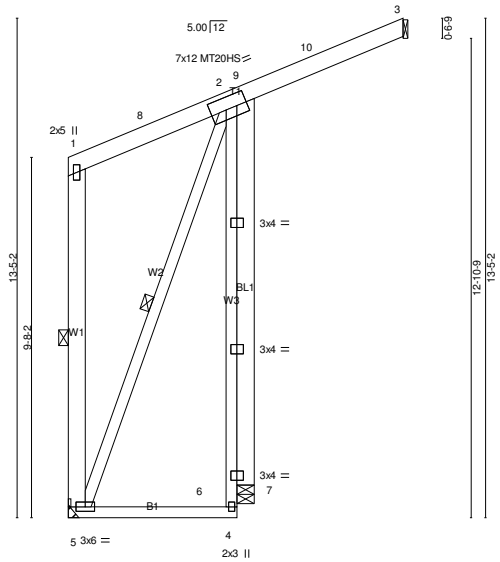


Plate Offsets (X,Y)-- [2:0-5-0,0-4-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.75	Vert(LL)	-0.02	4-5	>999	360	MT20	197/144
(Roof Snow=40.0)	Plate Grip DOL 1.15	BC 0.18	Vert(TL)	-0.05	4-5	>999	240	MT20HS	148/108
TCDL 7.0	Lumber DOL 1.15	WB 0.76	Horz(TL)	-0.12	5	n/a	n/a		
BCLL 0.0	Rep Stress Incr YES	(Matrix)						Weight: 83 lb	FT = 4%
BCDL 10.0	Code IBC2009/TPI2007								

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2 *Except*
W1: 2x6 SPF No.2, W2: 2x4 SPF No.3
OTHERS 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-5, 2-5

REACTIONS. (lb/size) 3=-0/Mechanical, 5=686/Mechanical, 7=216/0-5-8
Max Horz 3=-436(LC 18), 7=436(LC 18)
Max Uplift5=-151(LC 9), 7=-448(LC 18)
Max Grav 5=953(LC 18), 7=331(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-542/294, 9-10=-540/299, 3-10=-530/305, 1-5=-316/167
BOT CHORD 4-5=-174/358
WEBS 2-5=-1020/46

JOINT STRESS INDEX
1 = 0.37, 2 = 0.88, 4 = 0.39, 5 = 0.49, 6 = 0.00, 6 = 0.00, 6 = 0.00 and 6 = 0.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Refer to girder(s) for truss to truss connections.
8) Refer to girder(s) for truss to truss connections.
9) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 151 lb uplift at joint 5 and 448 lb uplift at joint 7.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

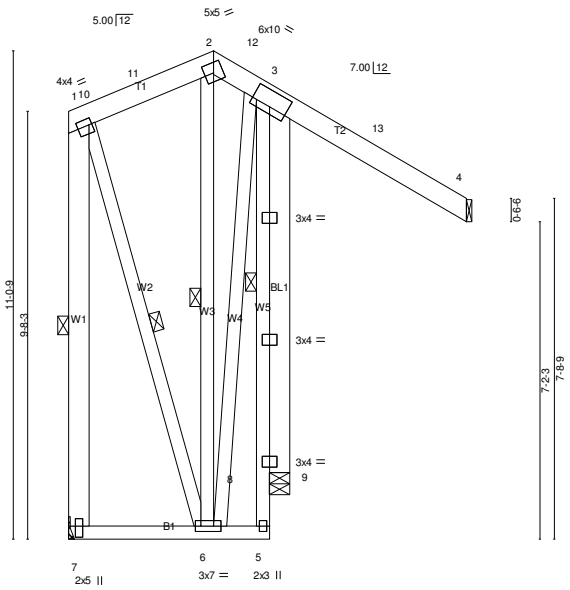
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1LB	DUAL PITCH	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:30 2016 Page 1
ID:nltX1WhAB2yn3vk3cv1827yiUPm-hzN5ZbrRTwTDeVj5YCvSSvrg7QC_z5ewNenDlvznDKp

3-3-6 5-0-0 9-0-0
3-3-6 1-8-10 4-0-0

Scale = 1:52.2



3-3-6 5-0-0
3-3-6 1-8-10

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

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.77	Vert(LL)	0.01	6	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.06	Vert(TL)	-0.01	6-7	>999	240		
TCDL	7.0	Rep Stress Incr YES	WB	0.66	Horz(TL)	0.24	7	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 100 lb	FT = 4%
BCDL	10.0										

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x6 SPF No.2, W5: 2x4 SPF No.2
OTHERS 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 2-6, 1-7, 1-6, 3-8

REACTIONS. (lb/size) 4=-0/Mechanical, 7=-144/Mechanical, 9=1046/0-5-8
Max Horz 4=320(LC 20), 9=-320(LC 20)
Max Uplift7=-647(LC 20), 9=-522(LC 9)
Max Grav7=314(LC 14), 9=1152(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-352/407, 3-12=-355/403, 3-13=-128/460, 4-13=-143/444, 1-7=-289/668
WEBS 2-6=-536/506, 1-6=-640/267, 3-6=-316/296

JOINT STRESS INDEX
1 = 0.32, 2 = 0.28, 3 = 0.48, 5 = 0.24, 6 = 0.52, 7 = 0.39, 8 = 0.00, 8 = 0.00, 8 = 0.00 and 8 = 0.00

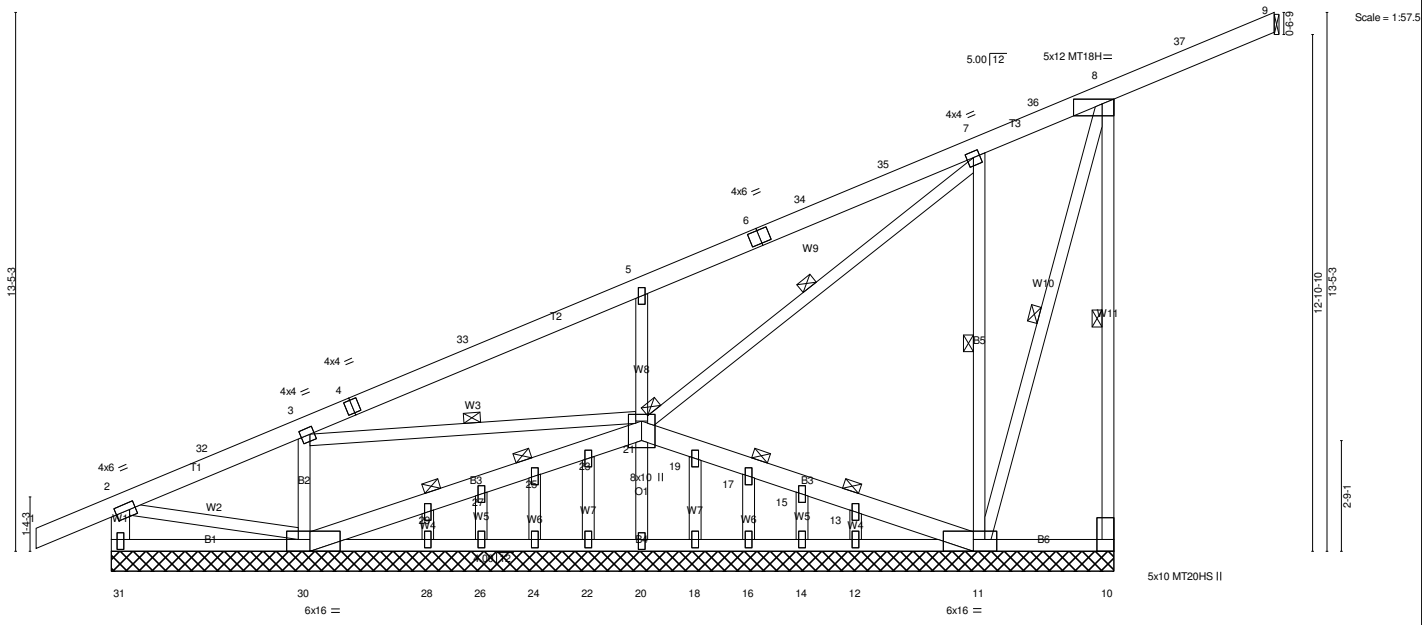
NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Refer to girder(s) for truss to truss connections.
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 647 lb uplift at joint 7 and 522 lb uplift at joint 9.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T1SHR	ROOF TRUSS	5	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:32 2016 Page 1
ID:XwqSKIYCdjdSVOAHtAuezjyjDd8-dLUr_Gsh?XjxuptUfdywXKw?oEl4R1fDqyGJqoznDKn

-1-10-8	4-11-8	13-2-12	21-6-0	25-0-0	29-0-0
1-10-8	4-11-8	8-3-4	8-3-4	3-6-0	4-0-0



4-11-8	7-10-12	9-2-12	10-6-12	11-10-12	13-2-12	14-6-12	15-10-12	17-2-12	18-6-12	21-6-0	25-0-0
4-11-8	2-11-4	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	1-4-0	2-11-4	3-6-0

Plate Offsets (X,Y)-- [2:0-1-12,0-2-0], [3:0-1-4,0-2-0], [7:0-2-0,0-1-12], [8:0-3-8,0-1-8], [10:0-3-8,Edge], [11:0-7-0,0-0-0], [20:0-3-0,0-1-0], [30:0-7-0,0-0-0], [31:0-3-0,0-1-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.03	10-11	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.59	Vert(TL)	-0.02	7-11	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	-0.03	10	n/a	n/a	MT18H	197/144
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 207 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B2,B5: 2x4 SPF No.3, B3: 2x6 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W11: 2x4 SPF No.2, W1: 2x6 SPF No.2
OTHERS 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
4-2-4 oc bracing: 30-31
5-4-5 oc bracing: 28-30
5-11-13 oc bracing: 26-28.
3-10-0 oc bracing: 7-11
WEBS 1 Row at midpt 8-10, 3-21, 7-21, 8-11
JOINTS 1 Brace at Jt(s): 21, 25, 29, 17, 13

REACTIONS. All bearings 25-0-0 except (jt=length) 9=Mechanical.
(lb) - Max Horz 9=-722(LC 46), 31=2024(LC 26)
Max Uplift All uplift 100 lb or less at joint(s) 24, 16, 14, 12 except 10=-391(LC 27), 31=-555(LC 28), 30=-479(LC 29), 11=-1368(LC 29), 20=-816(LC 28), 22=-178(LC 28), 18=-179(LC 28)
Max Grav All reactions 250 lb or less at joint(s) 24, 26, 28, 16, 14, 12 except 10=516(LC 16), 31=962(LC 17), 30=950(LC 16), 11=1995(LC 16), 20=1250(LC 17), 22=341(LC 17), 18=342(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-32=-1020/803, 3-32=-632/459, 3-4=-1603/1258, 4-33=-1117/939, 5-33=-1091/845, 5-6=-897/657, 6-34=-456/306, 34-35=-454/279, 7-35=-486/513, 7-36=-857/569, 8-36=-721/489, 8-37=-820/310, 9-37=-793/317, 8-10=-490/281, 2-31=-926/606
BOT CHORD 30-31=-1941/1543, 3-30=-990/687, 29-30=-939/717, 27-29=-678/464, 25-27=-564/341, 23-25=-436/234, 21-23=-498/269, 19-21=-1214/1314, 17-19=-1143/1215, 15-17=-1021/1101, 13-15=-899/977, 11-13=-802/887, 7-11=-1650/1242, 10-11=-452/435, 28-30=-1234/1176, 26-28=-987/928, 24-26=-870/822, 22-24=-774/715, 20-22=-667/608, 18-20=-559/501, 16-18=-453/394, 14-16=-346/288, 11-12=-367/285
WEBS 2-30=-767/910, 3-21=-797/894, 5-21=-861/521, 7-21=-895/628, 8-11=-576/317, 20-21=-1223/830, 22-23=-315/191, 18-19=-316/191

JOINT STRESS INDEX
2 = 0.76, 3 = 0.73, 4 = 0.53, 5 = 0.32, 6 = 0.68, 7 = 0.56, 8 = 0.85, 10 = 0.90, 11 = 0.57, 12 = 0.31, 13 = 0.31, 14 = 0.31, 15 = 0.31, 16 = 0.31, 17 = 0.31, 18 = 0.31, 19 = 0.31, 20 = 0.48, 21 = 0.42, 22 = 0.31, 23 = 0.31, 24 = 0.31, 25 = 0.31, 26 = 0.31, 27 = 0.31, 28 = 0.31, 29 = 0.31, 30 = 0.40 and 31 = 0.84

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) All plates are 2x5 MT20 unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 24, 16, 14, 12 except (jt=lb) 10=391, 31=555, 30=479, 11=1368, 20=816, 22=178, 18=179.
11) Non Standard bearing condition. Review required.
12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
14) This truss has been designed for a total drag load of 2000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 25-0-0 for 80.0 plf.

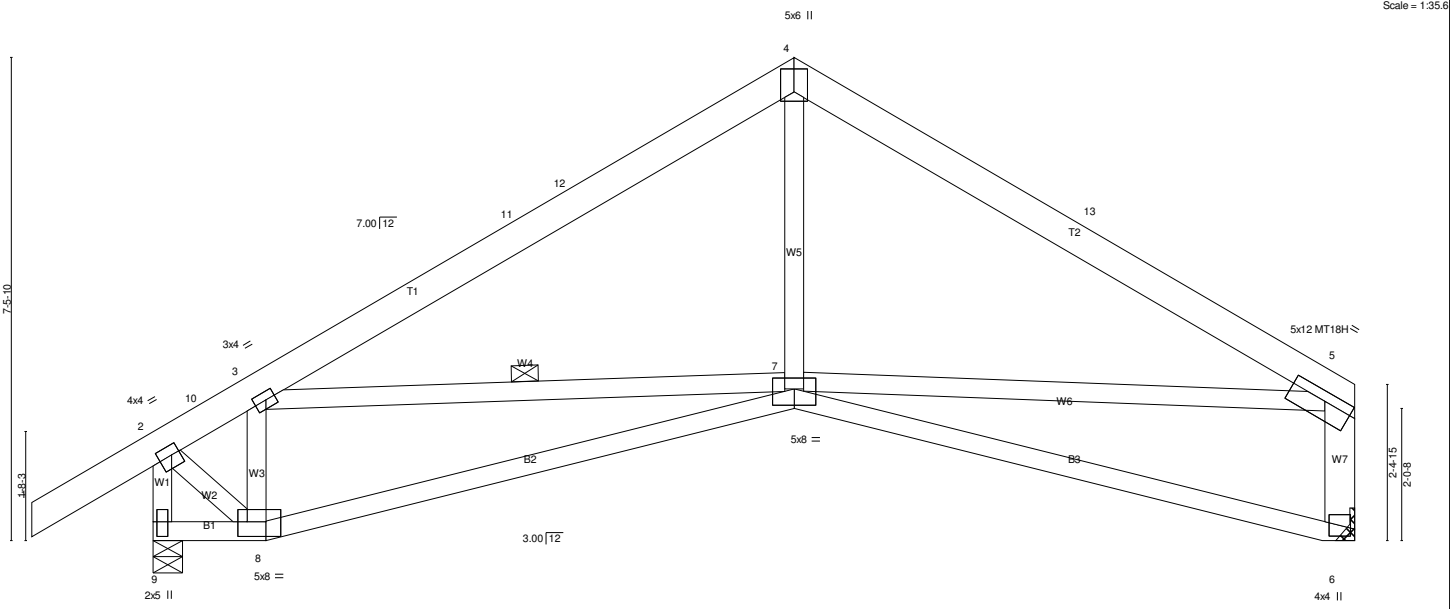
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:33 2016 Page 1
ID:?OwF6SmVOFuug9YkxyCsiWyjDcs-5Y2DCctJmrroVzSgDKT94XTDve7nAVsM3c0tMEznDKm

-1-10-8 | 1-9-0 | 9-11-0 | 18-1-0 | 18-7-0
1-10-8 | 1-9-0 | 8-2-0 | 8-2-0 | 0-6-0

Scale = 1:35.6



1-9-0 | 9-11-0 | 18-7-0
1-9-0 | 8-2-0 | 8-8-0

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	-0.07	7-8	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.50	Vert(TL)	-0.20	7-8	>999	240	MT18H	197/144
TCDL	7.0	Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.04	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 98 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W7: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-7

REACTIONS. (lb/size) 9=1238/0-5-8, 6=1027/Mechanical
Max Horz 9=-216(LC 7)
Max Uplift9=-476(LC 9), 6=-341(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-884/324, 3-10=-829/327, 3-11=-1412/438, 11-12=-1215/439, 4-12=-1057/457, 4-13=-1225/456, 5-13=-1419/437, 2-9=-1278/454, 5-6=-1008/410
BOT CHORD 7-8=-335/823, 6-7=-130/378
WEBS 3-8=-783/341, 3-7=-88/459, 4-7=-20/470, 5-7=-132/786, 2-8=-285/1139

JOINT STRESS INDEX
2 = 0.77, 3 = 0.60, 4 = 0.93, 5 = 0.91, 6 = 0.97, 7 = 0.92, 8 = 0.93 and 9 = 0.55

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=476, 6=341.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

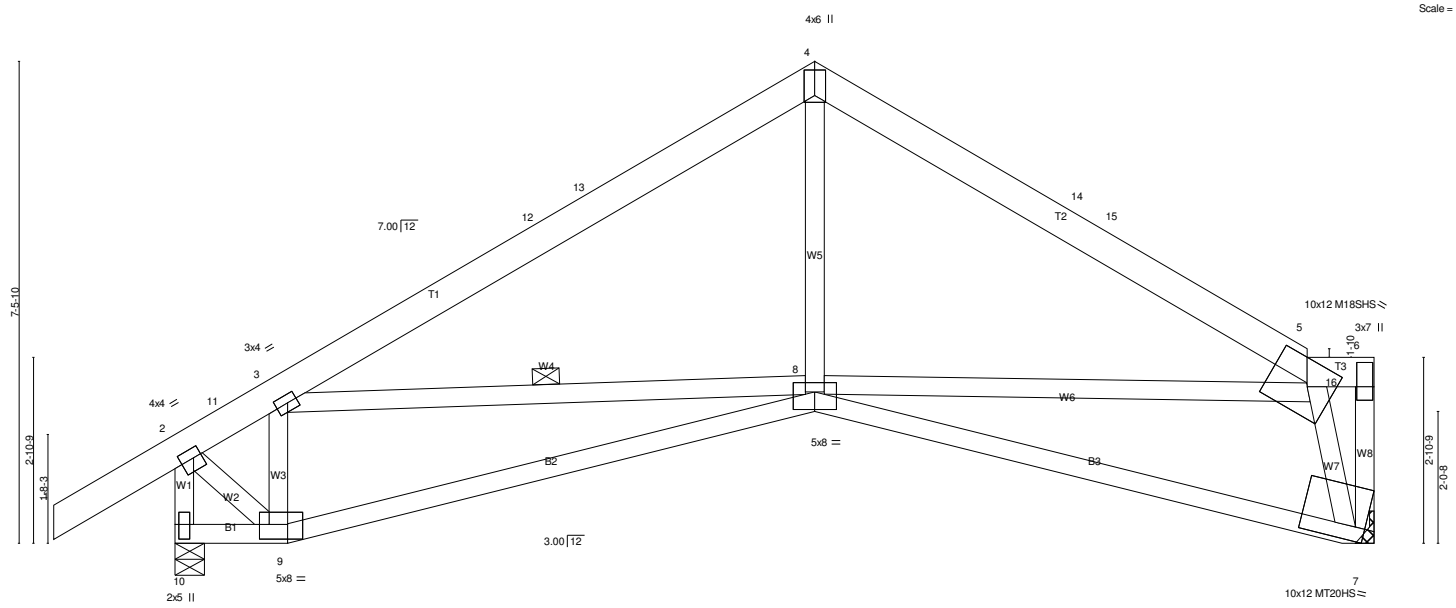
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2A	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:34 2016 Page 1
ID:?OwF6SmVOFuug9YkxyCsiWyjDcs-ZkccPyuxX8zf771tn2_Ocl?NP1ShvxhWlGlQugznDKl

-1-10-8	1-9-0	9-11-0	17-6-9	18-7-0
1-10-8	1-9-0	8-2-0	7-7-9	1-0-7

Scale = 1:35.7



1-9-0	9-11-0	17-6-9	18-7-0
1-9-0	8-2-0	7-7-9	1-0-7

Plate Offsets (X,Y)-- [2:0-1-8,0-1-12], [3:0-1-12,0-1-8], [4:0-4-12,0-2-0], [5:0-7-4,0-4-12], [6:0-4-8,0-1-8], [7:0-1-12,Edge], [8:0-4-0,0-3-4], [9:0-5-4,0-2-12], [10:0-2-12,0-1-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.69	Vert(LL)	-0.09	7-8	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.52	Vert(TL)	-0.24	7-8	>933	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.05	7	n/a	n/a	M18SHS	197/144
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 98 lb	FT = 4%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-8

REACTIONS. (lb/size) 7=1033/Mechanical, 10=1242/0-5-8
Max Horz 10=-211(LC 7)
Max Uplift 7=-346(LC 9), 10=-475(LC 9)
Max Grav 7=1218(LC 19), 10=1242(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-887/325, 3-11=-832/329, 3-12=-1418/440, 12-13=-1221/441, 4-13=-1184/458, 4-14=-1247/464, 14-15=-1257/446, 5-15=-1570/446, 6-7=-295/668, 2-10=-1277/453
BOT CHORD 8-9=-361/823, 7-8=-227/795
WEBS 3-9=-787/352, 3-8=-80/571, 4-8=-48/483, 5-8=-60/628, 2-9=-294/1138, 5-7=-2101/713

JOINT STRESS INDEX
2 = 0.77, 3 = 0.60, 4 = 0.85, 5 = 0.92, 6 = 0.81, 7 = 0.77, 8 = 0.84, 9 = 0.90 and 10 = 0.53

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
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 40.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=346, 10=475.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

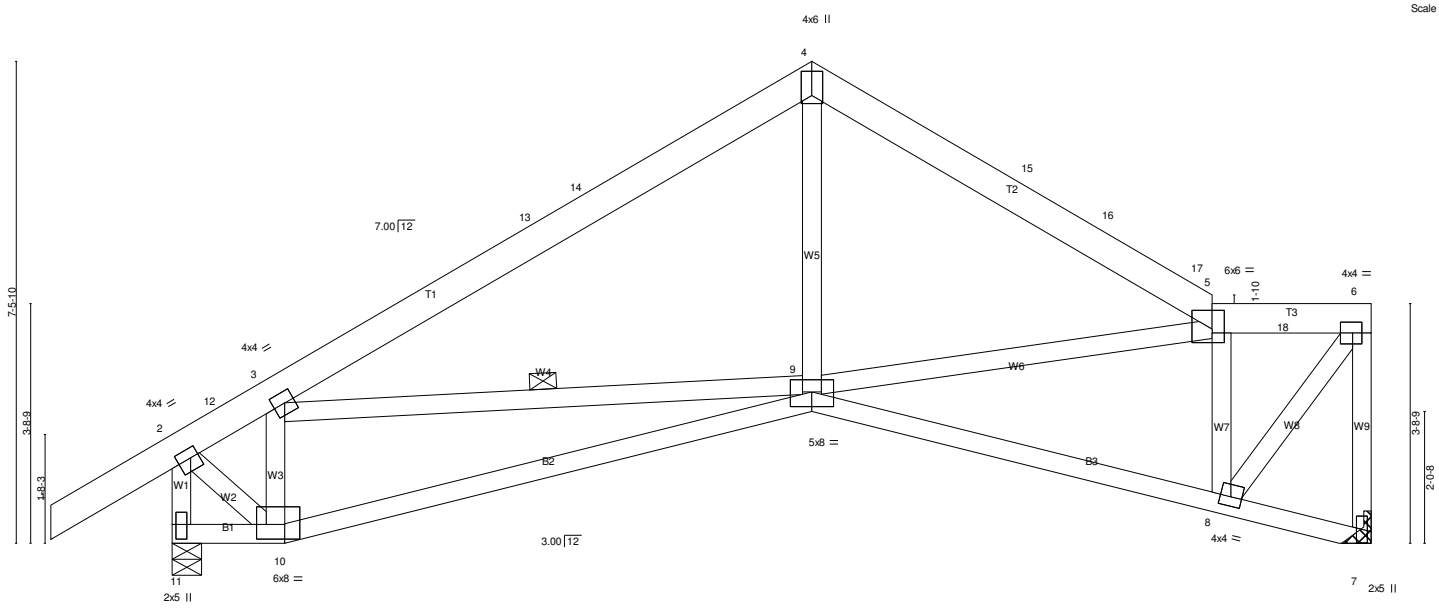
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2B	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:35 2016 Page 1
ID:?OwF6SmVOFuug9YkxyCsiWyjDcs-2wA_cIuaHS5WlHc3LlVd9yYbhRp_eNRfWwV_R7znDKk

-1-10-8	1-9-0	9-11-0	16-1-7	18-1-0	18-7-0
1-10-8	1-9-0	8-2-0	6-2-7	1-11-9	0-6-0

Scale = 1:35.7



1-9-0	9-11-0	16-1-7	18-7-0
1-9-0	8-2-0	6-2-7	2-5-9

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

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.46	Vert(LL)	-0.09	9-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.45	Vert(TL)	-0.22	9-10	>976	240		
TCDL	7.0	Rep Stress Incr YES	WB	0.63	Horz(TL)	0.05	7	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 101 lb	FT = 4%
BCDL	10.0										

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-9

REACTIONS. (lb/size) 7=1032/Mechanical, 11=1243/0-5-8
Max Horz 11=247(LC 9)
Max Uplift 7=-353(LC 9), 11=-468(LC 9)
Max Grav 7=1059(LC 19), 11=1243(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-896/319, 3-12=-841/322, 3-13=-1407/443, 13-14=-1210/444, 4-14=-1172/461, 4-15=-1172/478, 15-16=-1218/462, 16-17=-1386/460, 5-17=-1425/452, 5-18=-857/251, 6-18=-859/251, 6-7=-1041/348, 2-11=-1285/441
BOT CHORD 9-10=-409/827, 8-9=-288/972
WEBS 3-10=-782/372, 3-9=-77/493, 4-9=-82/490, 5-9=-75/410, 5-8=-1287/448, 2-10=-295/1146, 6-8=-406/1417

JOINT STRESS INDEX
2 = 0.78, 3 = 0.48, 4 = 0.82, 5 = 0.88, 6 = 0.86, 7 = 0.42, 8 = 0.79, 9 = 0.93, 10 = 0.96 and 11 = 0.58

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
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 40.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=353, 11=468.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

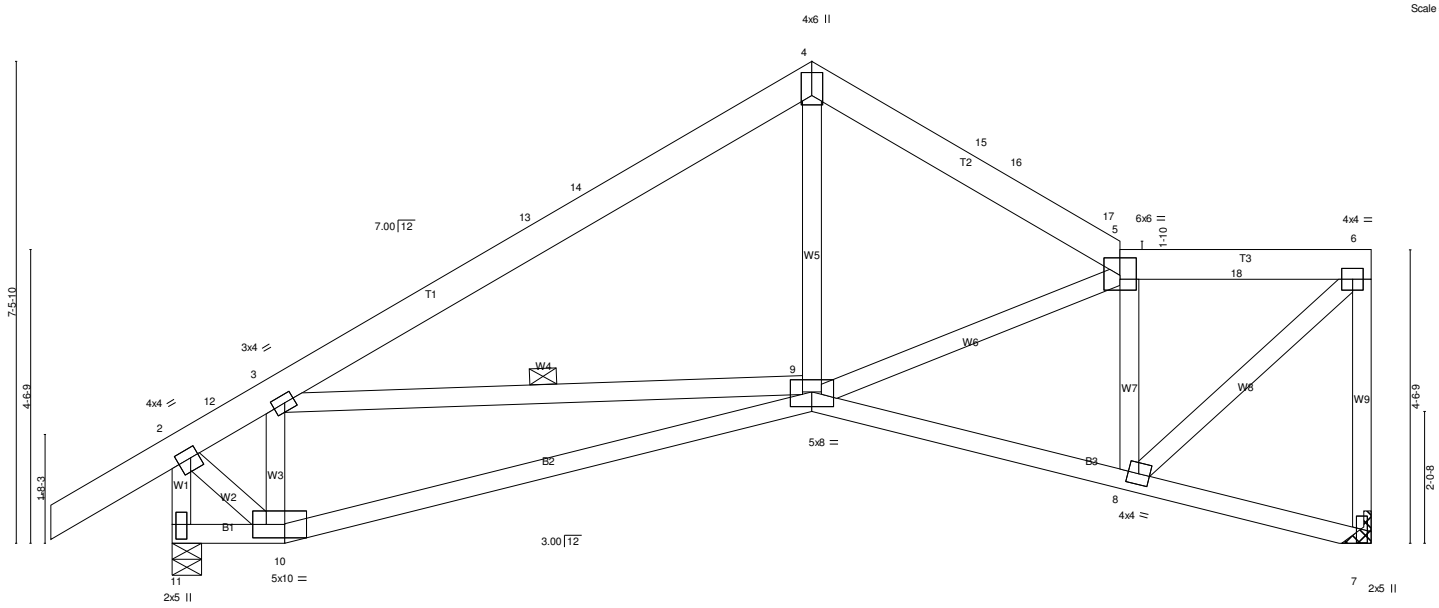
Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2C	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products

ID:TaTeJnm79Z0lHI7xUfj5EkyjDcr-2wA_cIuaHS5WlHc3LlVd9yYbkRq5eOtfWwV_R7znDKk

-1-10-8	1-9-0	9-11-0	14-8-5	18-7-0
1-10-8	1-9-0	8-2-0	4-9-5	3-10-11

Scale = 1:35.7



1-9-0	9-11-0	14-8-5	18-7-0
1-9-0	8-2-0	4-9-5	3-10-11

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.46	Vert(LL)	-0.09	9-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.44	Vert(TL)	-0.24	9-10	>909	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.05	7	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 102 lb	FT = 4%
BCDL	10.0											

LUMBER-

TOP CHORD	2x6 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-6-2 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 3-9

REACTIONS. (lb/size) 7=1032/Mechanical, 11=1243/0-5-8
Max Horz 11=293(LC 9)
Max Uplift7=-362(LC 9), 11=-458(LC 9)

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

TOP CHORD	2-12=-901/312, 3-12=-846/315, 3-13=-1398/441, 13-14=-1201/441, 4-14=-1164/458, 4-15=-1069/487, 15-16=-1187/474, 16-17=-1253/473, 5-17=-1263/466, 5-18=-894/313, 6-18=-896/312, 6-7=-992/376, 2-11=-1289/430
BOT CHORD	9-10=-454/836, 8-9=-343/983
WEBS	3-10=-782/385, 3-9=-69/412, 4-9=-109/517, 5-9=-108/284, 5-8=-994/409, 2-10=-294/1151, 6-8=-418/1209

JOINT STRESS INDEX
2 = 0.79, 3 = 0.60, 4 = 0.85, 5 = 0.52, 6 = 0.79, 7 = 0.67, 8 = 0.73, 9 = 0.83, 10 = 0.67 and 11 = 0.61

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
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 40.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=362, 11=458.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

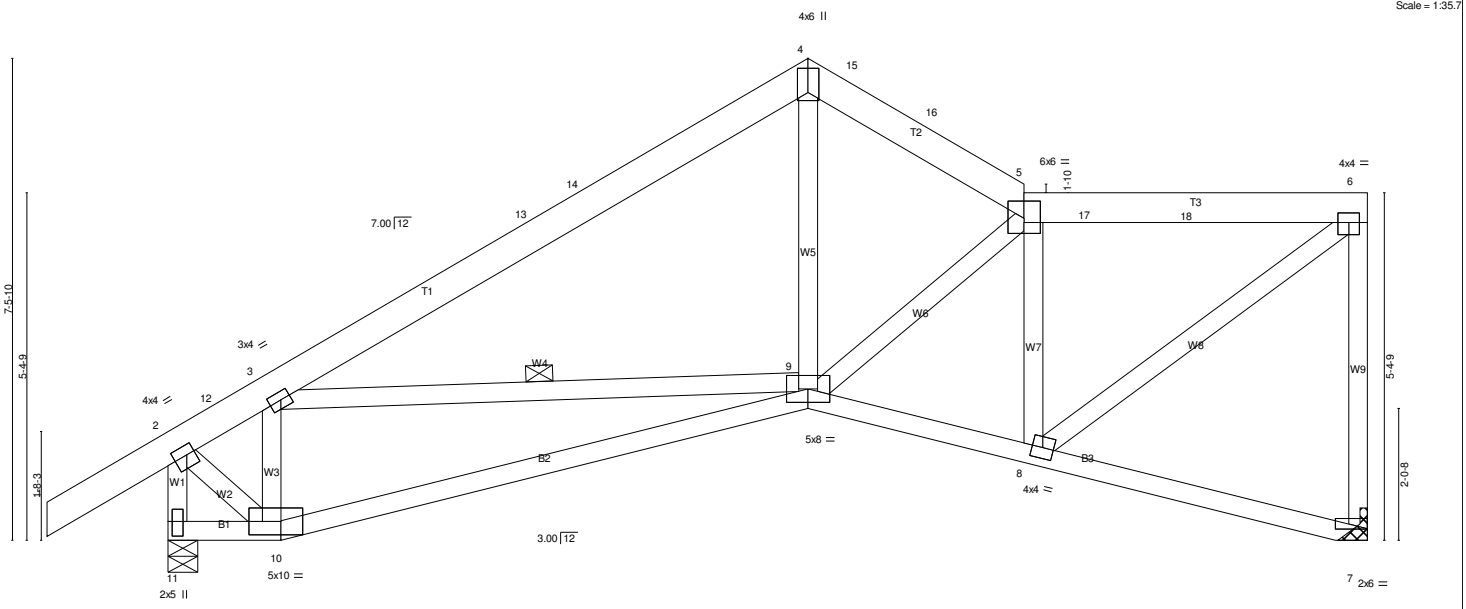
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2D	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:36 2016 Page 1
ID:TaTeJnm79Z0lHI7xUfj5EkyjDcr-W7kMqevC2mDNNRBFuS0tiA5gPr8BNrEplaEXzZznDKj

-1-10-8 | 1-9-0 | 9-11-0 | 13-3-2 | 18-7-0
1-10-8 | 1-9-0 | 8-2-0 | 3-4-3 | 5-3-14

Scale = 1:35.7



1-9-0 | 9-11-0 | 13-3-2 | 18-7-0
1-9-0 | 8-2-0 | 3-4-2 | 5-3-14

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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.85	Vert(LL) -0.10 9-10 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.45	Vert(TL) -0.25 9-10 >873 240	
TCDL 7.0	Rep Stress Incr YES	WB 0.53	Horz(TL) 0.05 7 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 104 lb FT = 4%
BCDL 10.0				

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-9

REACTIONS. (lb/size) 7=1032/Mechanical, 11=1243/0-5-8
Max Horz 11=340(LC 9)
Max Uplift 7=-374(LC 9), 11=-447(LC 9)
Max Grav 7=1068(LC 18), 11=1243(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-904/303, 3-12=-849/306, 3-13=-1394/435, 13-14=-1196/436, 4-14=-1160/453, 4-15=-1081/494, 15-16=-1086/492, 5-16=-1226/487, 5-17=-972/363, 17-18=-973/363, 6-18=-976/363, 6-7=-1015/396, 2-11=-1291/418
BOT CHORD 10-11=-276/131, 9-10=-494/840, 8-9=-391/1052
WEBS 3-10=-785/391, 3-9=-68/342, 4-9=-132/621, 5-8=-913/404, 2-10=-287/1158, 6-8=-448/1189

JOINT STRESS INDEX
2 = 0.79, 3 = 0.60, 4 = 0.82, 5 = 0.69, 6 = 0.83, 7 = 0.68, 8 = 0.71, 9 = 0.96, 10 = 0.68 and 11 = 0.62

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
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 40.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=374, 11=447.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

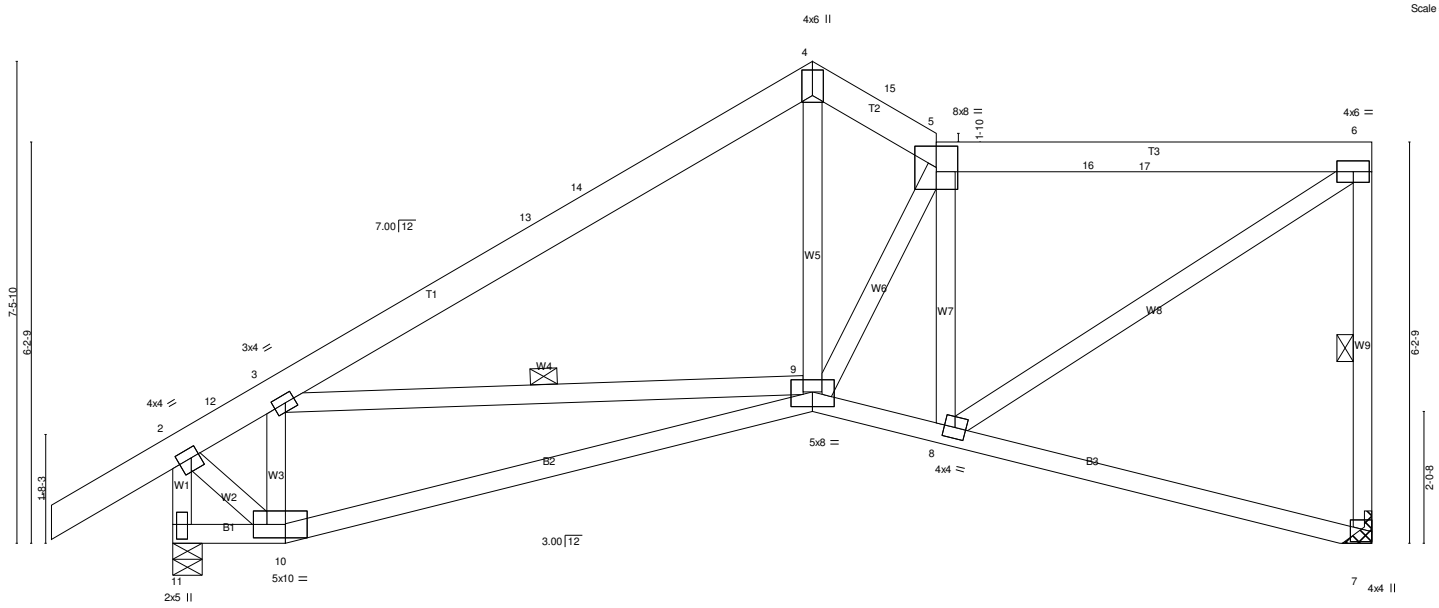
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2E	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:37 2016 Page 1
ID:TaTeJnm79Z0lHI7xUfj5EkyjDcr-_Jlk1_wqp3LE_amRSAX6ENdsRFUT6Gey_E_4V?znDKi

-1-10-8	1-9-0	9-11-0	11-10-0	18-7-0
1-10-8	1-9-0	8-2-0	1-11-0	6-9-0

Scale = 1:35.7



1-9-0	9-11-0	11-10-0	18-7-0
1-9-0	8-2-0	1-11-0	6-9-0

Plate Offsets (X,Y)-- [2:0-1-8,0-1-12], [3:0-1-12,0-1-8], [4:0-4-12,0-2-0], [9:0-4-0,0-2-12], [10:0-6-0,0-2-8], [11:0-2-12,0-1-0]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.83	Vert(LL)	-0.10	9-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.45	Vert(TL)	-0.25	9-10	>879	240		
TCDL	7.0	Rep Stress Incr YES	WB	0.58	Horz(TL)	0.05	7	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 107 lb	FT = 4%
BCDL	10.0										

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-7, 3-9

REACTIONS. (lb/size) 7=1032/Mechanical, 11=1243/0-5-8
Max Horz 11=386(LC 9)
Max Uplift 7=-388(LC 9), 11=-433(LC 9)
Max Grav 7=1186(LC 18), 11=1243(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-902/290, 3-12=-847/293, 3-13=-1398/428, 13-14=-1201/428, 4-14=-1164/446, 4-15=-1111/500, 5-15=-1186/496, 5-16=-1031/411, 16-17=-1032/411, 6-17=-1034/411, 6-7=-1123/416, 2-11=-1291/406
BOT CHORD 10-11=-321/121, 9-10=-529/835, 8-9=-438/1104
WEBS 3-10=-778/387, 3-9=-64/336, 4-9=-149/937, 5-9=-482/238, 5-8=-868/417, 2-10=-271/1150, 6-8=-485/1201

JOINT STRESS INDEX
2 = 0.79, 3 = 0.60, 4 = 0.83, 5 = 0.90, 6 = 0.80, 7 = 0.71, 8 = 0.70, 9 = 0.81, 10 = 0.68 and 11 = 0.61

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
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 40.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=388, 11=433.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

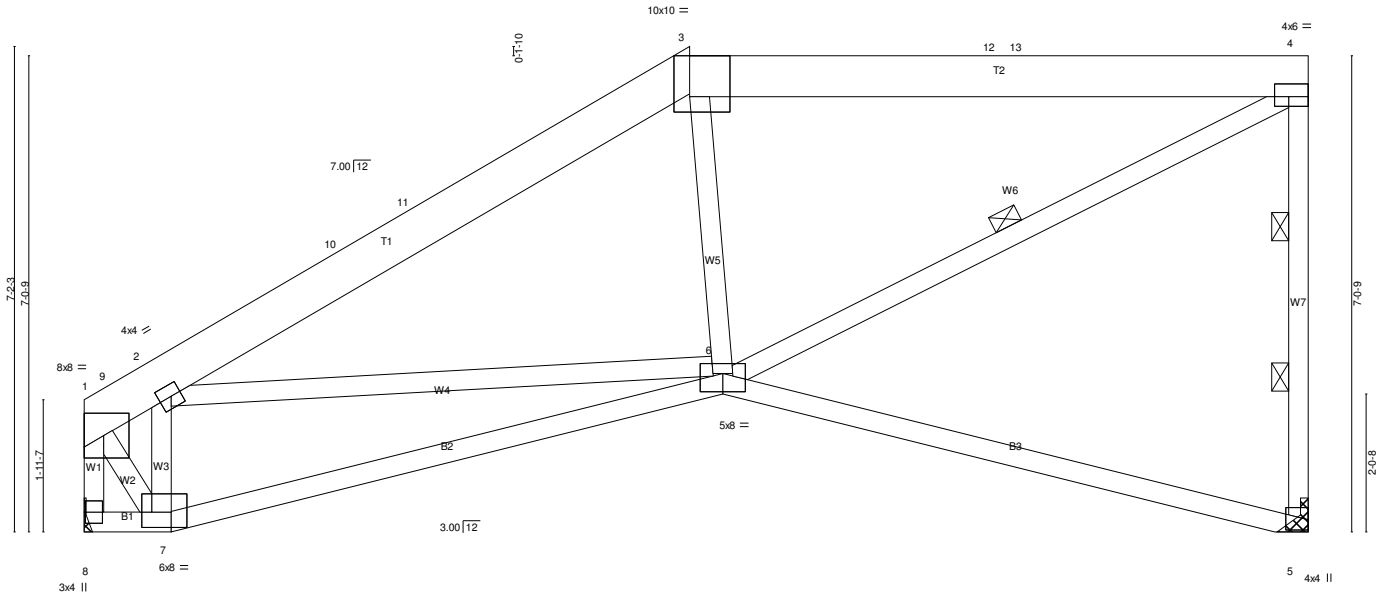
Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2F	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:38 2016 Page 1
ID:xn10W7nlvt8cvSi72NFKnxyjDcq-SVs6FKxSaNT5ckLe0t2LnbA_efpdriC6Cuje1RznDKh

1-3-8	8-11-10	17-7-8	18-1-8
1-3-8	7-8-2	8-7-14	0-6-0

Scale = 1:34.1



1-3-8	9-5-8	17-7-8	18-1-8
1-3-8	8-2-0	8-2-0	0-6-0

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.99	Vert(LL)	-0.11	5-6	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.52	Vert(TL)	-0.29	5-6	>750	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.04	5	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 105 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x8 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-4-14 oc bracing.
WEBS 1 Row at midpt 4-6
2 Rows at 1/3 pts 4-5

REACTIONS. (lb/size) 5=1016/Mechanical, 8=1017/Mechanical
Max Horz 8=282(LC 9)
Max Uplift 5=-396(LC 9), 8=-268(LC 9)
Max Grav 5=1339(LC 13), 8=1328(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-916/169, 2-9=-851/171, 2-10=-1637/432, 10-11=-1356/435, 3-11=-1317/453, 3-12=-1190/488, 12-13=-1190/488, 4-13=-1192/488, 4-5=-1264/433, 1-8=-1332/215
BOT CHORD 7-8=-309/88, 6-7=-482/970
WEBS 2-7=-1377/463, 2-6=-158/875, 3-6=-354/240, 4-6=-552/1296, 1-7=-306/1557

JOINT STRESS INDEX
1 = 0.30, 2 = 0.57, 3 = 0.99, 4 = 0.82, 5 = 1.00, 6 = 0.88, 7 = 0.85 and 8 = 0.95

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=396, 8=268.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

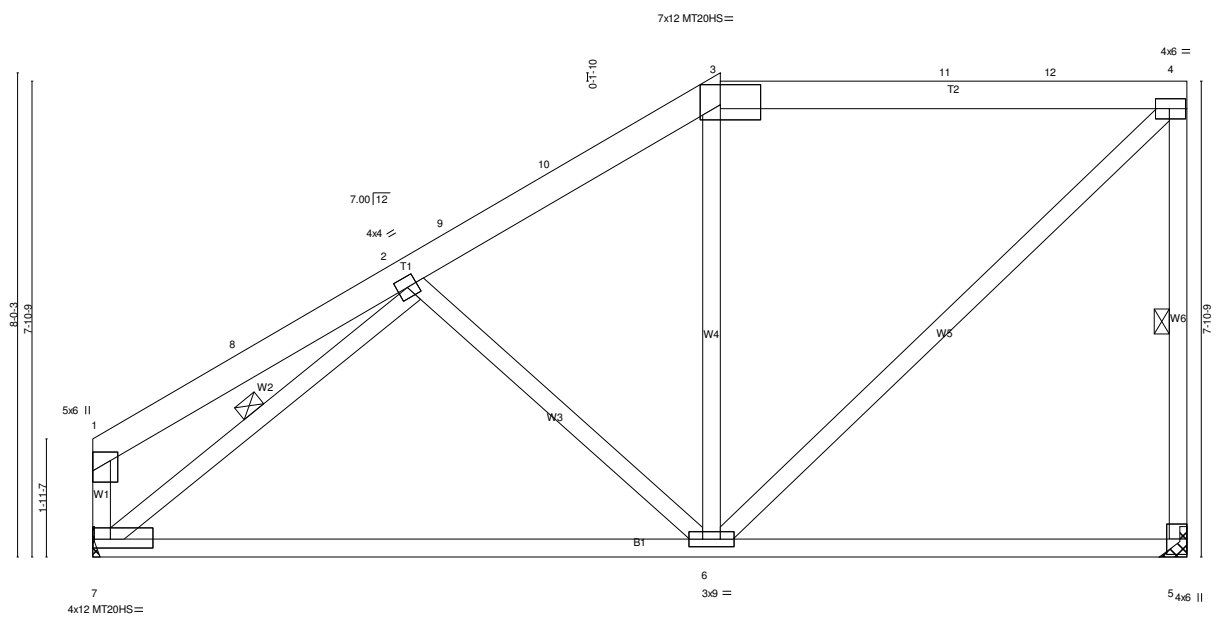
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2G	MONO HIP	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:38 2016 Page 1
ID:xn10W7nlvt8cvSi72NFKnxyjDcq-SVs6FKxSaNT5ckLe0t2LnbA?Wforrez6Cuje1RznDKh

5-4-2 | 10-4-12 | 18-1-8
5-4-2 | 5-0-10 | 7-8-12

Scale = 1:38.2



10-4-12 | 18-1-8
10-4-12 | 7-8-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.18	6-7	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.63	Vert(TL)	-0.44	6-7	>485	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	0.96	Horz(TL)	0.02	5	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 101 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W6: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-14 oc bracing.
WEBS 1 Row at midpt 4-5, 2-7

REACTIONS. (lb/size) 5=1017/Mechanical, 7=1017/Mechanical
Max Horz 7=327(LC 9)
Max Uplift5=-416(LC 9), 7=-248(LC 9)
Max Grav5=1246(LC 13), 7=1408(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-485/75, 2-8=-291/87, 2-9=-1049/231, 9-10=-841/239, 3-10=-834/251, 3-11=-726/303, 11-12=-727/303, 4-12=-727/303, 4-5=-1173/443, 1-7=-526/145
BOT CHORD 6-7=-485/1111
WEBS 2-6=-520/252, 3-6=-509/222, 4-6=-412/991, 2-7=-1156/226

JOINT STRESS INDEX
1 = 0.86, 2 = 0.47, 3 = 0.96, 4 = 0.97, 5 = 0.89, 6 = 0.96 and 7 = 0.84

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=416, 7=248.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2H	MONO HIP	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:39 2016 Page 1
ID:xn10W7nlvt8cvSi72NFKnxyjDcq-wiQVSgx4LhbyEuwqabaaJojCR2C?a5fFRYTBauznDKg

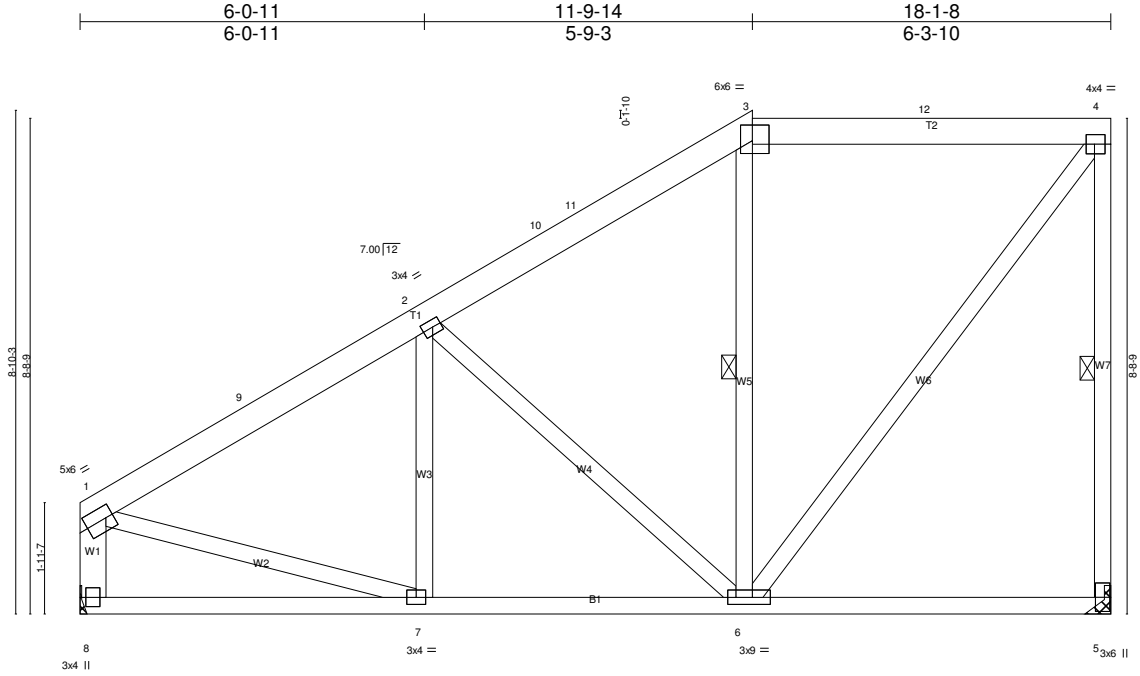


Plate Offsets (X,Y)-- [1:0-1-8,0-2-8], [2:0-1-12,0-1-8], [3:0-3-8,0-3-4], [4:0-1-12,0-2-0], [6:0-1-12,0-1-8]

LOADING (psf)	**SPACING-** 2-0-0	**CSI.**	**DEFL.** in (loc) l/defl L/d	**PLATES** **GRIP**
TCLL 40.0	Plate Grip DOL 1.15	TC 0.79	Vert(LL) -0.04 6-7 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.38	Vert(TL) -0.10 5-6 >999 240	
TCDL 7.0	Rep Stress Incr YES	WB 0.93	Horz(TL) 0.02 5 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 109 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-6-10 oc bracing.
WEBS 1 Row at midpt 4-5, 3-6

REACTIONS. (lb/size) 5=1012/Mechanical, 8=1012/Mechanical
Max Horz 8=371(LC 9)
Max Uplift5=-435(LC 9), 8=-226(LC 9)
Max Grav5=1135(LC 13), 8=1467(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-1596/224, 2-9=-1361/237, 2-10=-981/182, 10-11=-751/192, 3-11=-735/204, 3-12=-640/261, 4-12=-642/260, 4-5=-1070/461, 1-8=-1399/255
BOT CHORD 7-8=-434/287, 6-7=-474/1182
WEBS 2-6=-734/295, 3-6=-432/211, 4-6=-427/1050, 1-7=-42/932

JOINT STRESS INDEX
1 = 0.94, 2 = 0.60, 3 = 0.98, 4 = 0.82, 5 = 0.88, 6 = 0.96, 7 = 0.78 and 8 = 0.80

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=435, 8=226.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2J	MONO HIP	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:39 2016 Page 1
ID:xn10W7nlvt8cvSi72NFKnxyjDcq-wiQVSgx4LhbyEuwqabaaJojCI2Bra8qFRYTBauznDKg

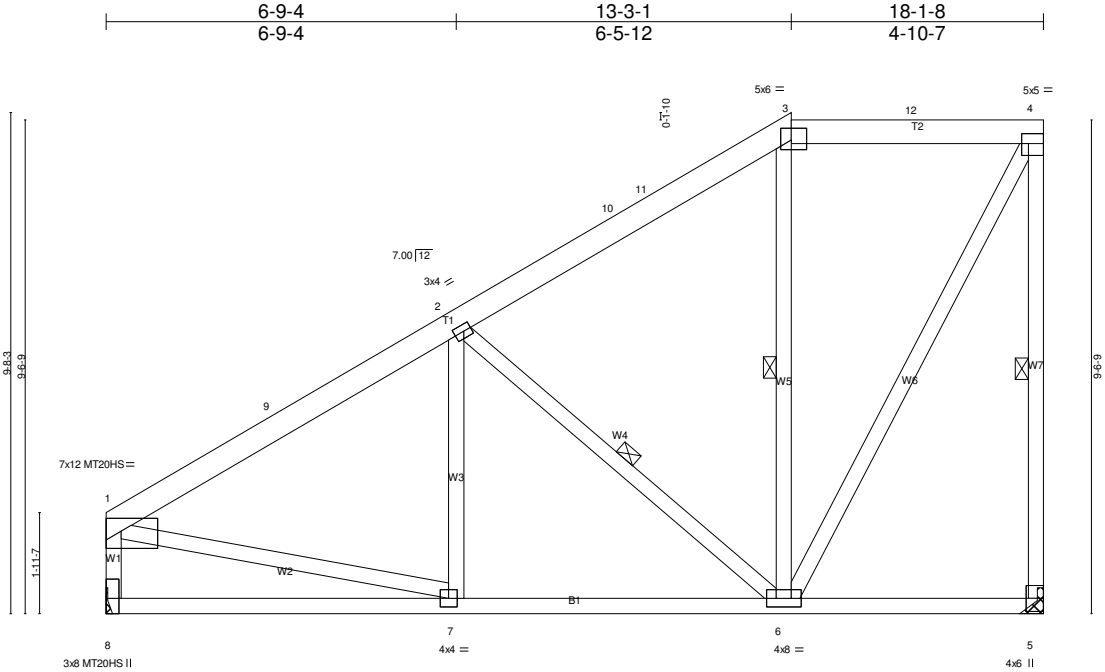


Plate Offsets (X,Y)-- [1:Edge,0-3-0], [2:0-1-12,0-1-8], [3:0-3-8,0-2-12], [4:Edge,0-2-4], [5:Edge,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	-0.06	6-7	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.39	Vert(TL)	-0.11	6-7	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	0.73	Horz(TL)	0.02	5	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 113 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-9-10 oc bracing.
WEBS 1 Row at midpt 4-5, 2-6, 3-6

REACTIONS. (lb/size) 5=1017/Mechanical, 8=1017/Mechanical
Max Horz 8=466(LC 8)
Max Uplift 5=-383(LC 9), 8=-282(LC 9)
Max Grav 5=1105(LC 14), 8=1529(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-1695/302, 2-9=-1428/318, 2-10=-916/256, 10-11=-632/268, 3-11=-606/280, 3-12=-551/324, 4-12=-553/324, 4-5=-1063/442, 1-8=-1453/309
BOT CHORD 7-8=-448/290, 6-7=-357/1254
WEBS 2-6=-934/351, 3-6=-359/252, 4-6=-338/1171, 1-7=-76/1001

JOINT STRESS INDEX
1 = 0.80, 2 = 0.60, 3 = 0.98, 4 = 0.95, 5 = 0.92, 6 = 0.95, 7 = 0.65 and 8 = 1.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=383, 8=282.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2K	MONO HIP	1	1	Job Reference (optional)

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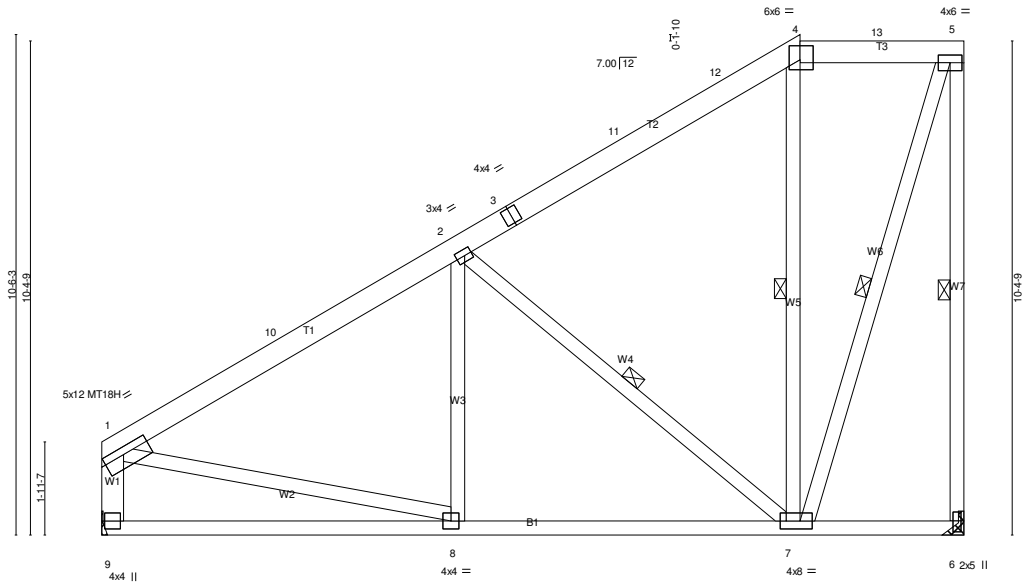

Plate Offsets (X,Y)-- [1:0-5-4,0-1-12], [2:0-1-12,0-1-8], [4:0-3-4,0-3-8], [6:0-2-12,0-1-0], [7:0-1-8,0-2-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.64	Vert(LL) -0.06 7-8 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.43	Vert(TL) -0.14 7-8 >999 240	MT18H 197/144
TCDL 7.0	Rep Stress Incr YES	WB 0.59	Horz(TL) 0.02 6 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 118 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-14 oc bracing.
WEBS 1 Row at midpt 5-6, 2-7, 4-7, 5-7

REACTIONS. (lb/size) 6=1012/Mechanical, 9=1012/Mechanical
Max Horz 9=464(LC 9)
Max Uplift 6=-483(LC 9), 9=-178(LC 9)
Max Grav 6=1233(LC 14), 9=1560(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-1734/145, 2-10=-1441/161, 2-3=-811/50, 3-11=-521/61, 11-12=-499/62, 4-12=-350/76, 4-13=-436/161, 5-13=-438/161, 5-6=-1207/487, 1-9=-1483/214
BOT CHORD 8-9=-557/420, 7-8=-480/1255
WEBS 2-7=-1074/422, 4-7=-469/255, 5-7=-487/1341, 1-8=0/857

JOINT STRESS INDEX
1 = 0.85, 2 = 0.60, 3 = 0.86, 4 = 0.99, 5 = 0.79, 6 = 0.48, 7 = 0.87, 8 = 0.56 and 9 = 0.74

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=483, 9=178.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2M	MONO HIP	1	1	Job Reference (optional)

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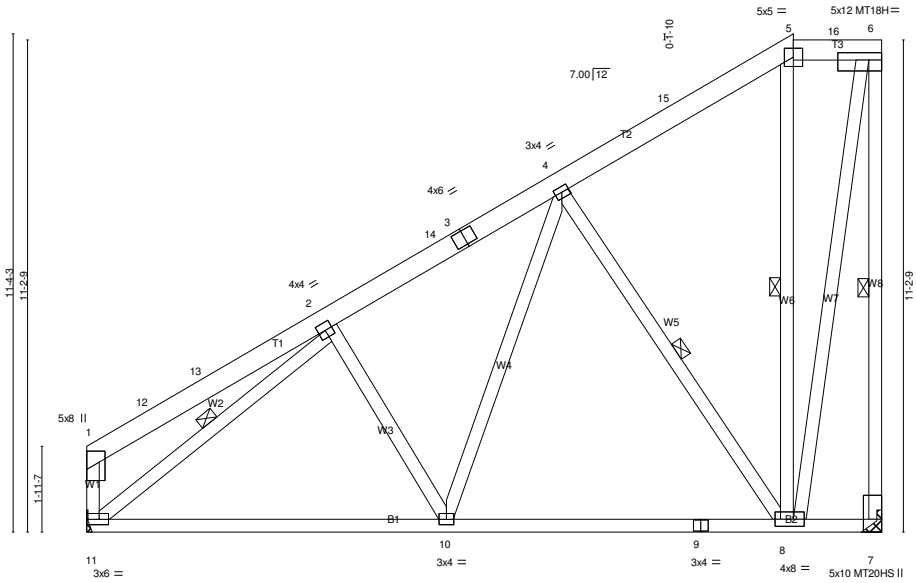
ID:PzbOkToNgAGTXcHJc4mZK9yjDcp-s4XFtLzKtlrfTC3Dh0c2PDoYasrF21vYvsyIemznDKe

5-6-12	10-10-1	16-1-5	18-1-8
5-6-12	5-3-4	5-3-4	2-0-3

Scale = 1:52.5



8-2-7	16-1-5	18-1-8
8-2-7	7-10-15	2-0-3

Plate Offsets (X,Y)-- [6:Edge,0-2-0], [7:0-3-8,Edge], [8:0-1-8,0-2-0], [11:Edge,0-1-8]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.82	Vert(LL)	-0.09	8-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.52	Vert(TL)	-0.20	8-10	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr YES	WB	0.82	Horz(TL)	0.03	7	n/a	n/a	MT18H	197/144
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 128 lb	FT = 4%
BCDL	10.0										

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W8: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-14 oc bracing.
WEBS 1 Row at midpt 6-7, 4-8, 5-8, 2-11

REACTIONS. (lb/size) 7=1017/Mechanical, 11=1017/Mechanical
Max Horz 11=552(LC 8)
Max Uplift7=-403(LC 9), 11=-261(LC 9)
Max Grav7=1385(LC 14), 11=1503(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-429/142, 12-13=-266/146, 2-13=-263/158, 2-14=-1463/324, 3-14=-1246/333, 3-4=-1072/345, 4-15=-537/208, 5-15=-300/219, 5-16=-262/257, 6-16=-264/257, 6-7=-1366/533, 1-11=-460/186
BOT CHORD 10-11=-402/1306, 9-10=-281/903, 8-9=-281/903
WEBS 2-10=-439/287, 4-10=-167/571, 4-8=-1176/431, 5-8=-306/337, 6-8=-336/1407, 2-11=-1443/167

JOINT STRESS INDEX
1 = 0.86, 2 = 0.62, 3 = 0.61, 4 = 0.69, 5 = 0.71, 6 = 0.84, 7 = 0.89, 8 = 0.88, 9 = 0.63, 10 = 0.60 and 11 = 0.92

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=403, 11=261.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2N	SPECIAL	1	1	Job Reference (optional)

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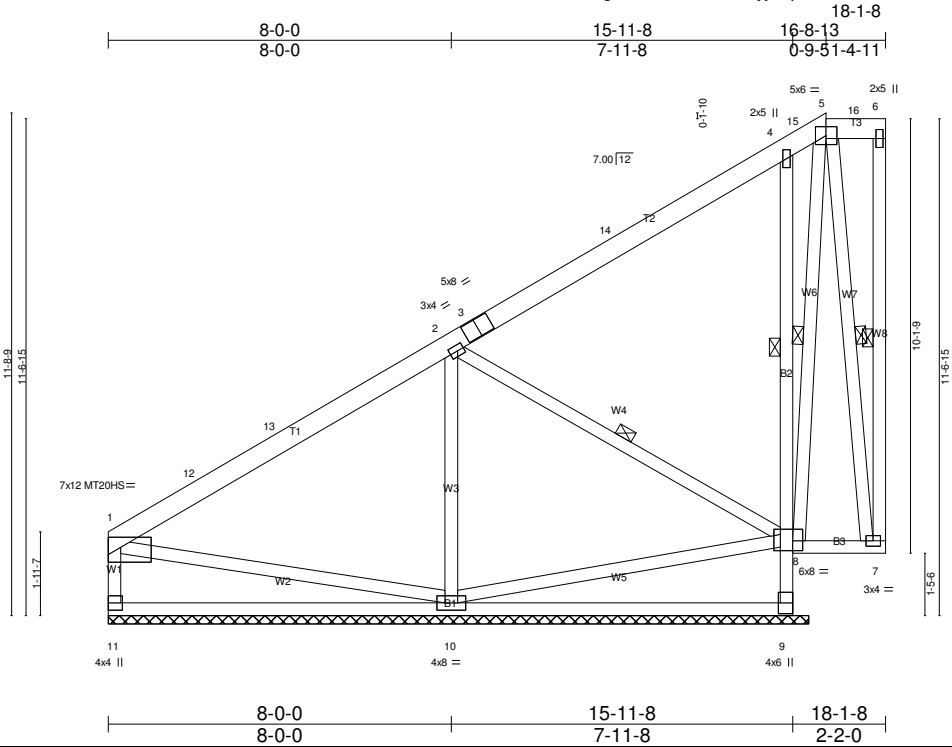

Plate Offsets (X,Y)-- [1:Edge,0-2-12], [2:0-1-12,0-1-8], [8:0-2-12,0-2-12], [9:Edge,0-3-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.78	Vert(LL) n/a - n/a 999	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.51	Vert(TL) n/a - n/a 999	MT20HS 148/108
TCDL 7.0	Rep Stress Incr YES	WB 0.83	Horz(TL) -0.01 9 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 138 lb FT = 4%
BCDL 10.0				

LUMBER-

TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B2: 2x4 SPF No.3
WEBS 2x4 SPF No.3 *Except*
W1: 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 5-0-15 oc bracing. Except:
1 Row at midpt 4-8
WEBS 1 Row at midpt 6-7, 2-8, 5-8, 5-7

REACTIONS. (lb/size) 11=493/Mechanical, 9=772/Mechanical, 10=768/Mechanical
Max Horz 11=533(LC 9)
Max Uplift9=-487(LC 9), 10=-218(LC 9)
Max Grav11=677(LC 14), 9=1054(LC 14), 10=1192(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-548/11, 12-13=-326/17, 2-13=-299/35, 2-3=-383/52, 3-14=-334/58, 6-7=-254/167, 1-11=-597/0
BOT CHORD 10-11=-599/320, 8-9=-977/523, 4-8=-918/373
WEBS 2-10=-1066/284, 8-10=-286/209, 2-8=-287/289, 5-8=-328/136, 5-7=-123/263, 1-10=-136/346

JOINT STRESS INDEX
1 = 0.85, 2 = 0.60, 3 = 0.93, 4 = 0.69, 5 = 0.94, 6 = 0.31, 7 = 0.56, 8 = 0.65, 9 = 0.86, 10 = 0.48 and 11 = 0.87

NOTES-

1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=487, 10=218.
10) Non Standard bearing condition. Review required.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2P	MONO TRUSS	2	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:42 2016 Page 1
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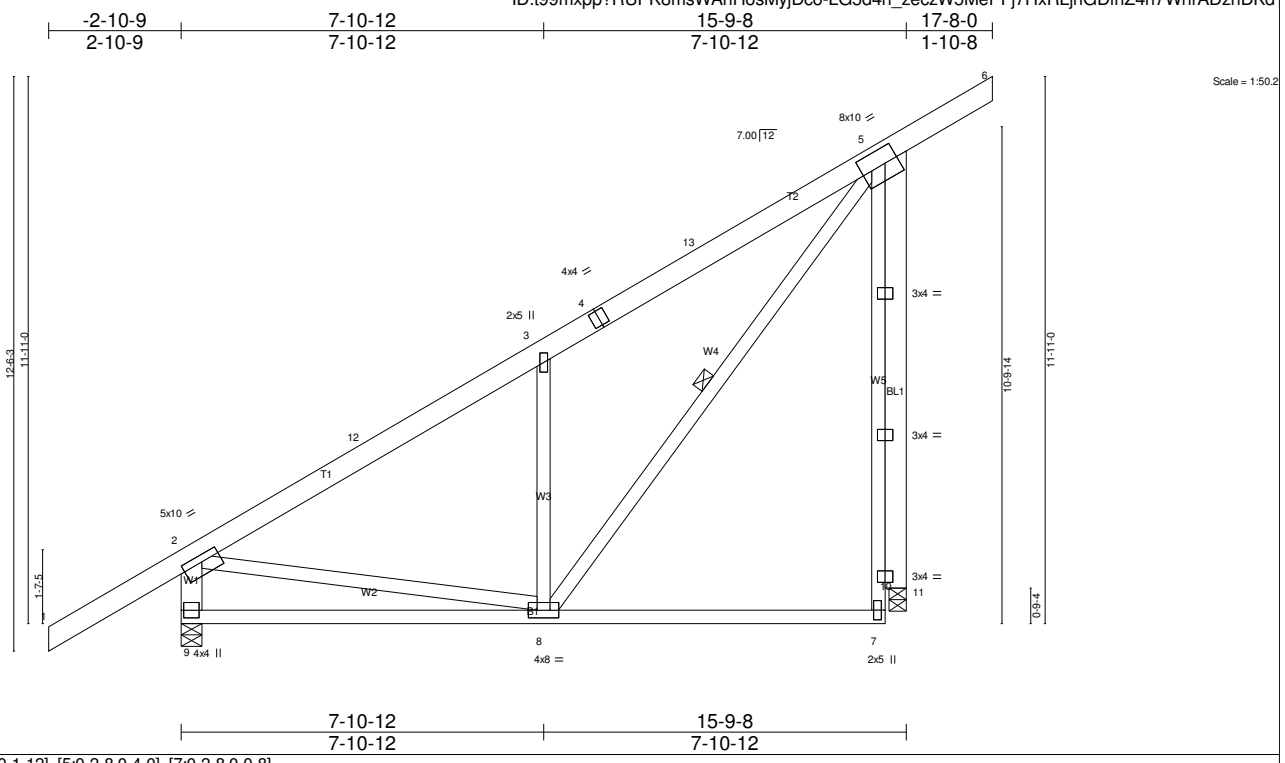

Plate Offsets (X,Y)-- [2:0-4-12,0-1-12], [5:0-2-8,0-4-0], [7:0-2-8,0-0-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.79	Vert(LL) -0.06 7-8 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.38	Vert(TL) -0.16 7-8 >999 240	
TCDL 7.0	Rep Stress Incr YES	WB 0.50	Horz(TL) -0.03 11 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 119 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x6 SPF No.2
OTHERS 2x6 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.
WEBS 1 Row at midpt 5-8

REACTIONS. (lb/size) 9=1185/0-5-8, 11=1045/0-4-8
Max Horz 9=782(LC 9)
Max Uplift 9=-249(LC 9), 11=-693(LC 9)
Max Grav 9=1211(LC 2), 11=1380(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/273, 2-12=-936/0, 3-12=-750/0, 3-4=-942/136, 4-13=-777/148, 5-13=-750/164, 2-9=-1131/288
BOT CHORD 8-9=-603/306
WEBS 3-8=-733/494, 5-8=-562/975, 2-8=-8/537

JOINT STRESS INDEX
2 = 0.98, 3 = 0.32, 4 = 0.56, 5 = 0.62, 7 = 0.96, 8 = 0.73, 9 = 0.80, 10 = 0.00, 10 = 0.00, 10 = 0.00 and 10 = 0.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Bearing at joint(s) 11 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 100 lb uplift at joint(s) except (jt=lb) 9=249, 11=693.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T2R	MONO TRUSS	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:42 2016 Page 1
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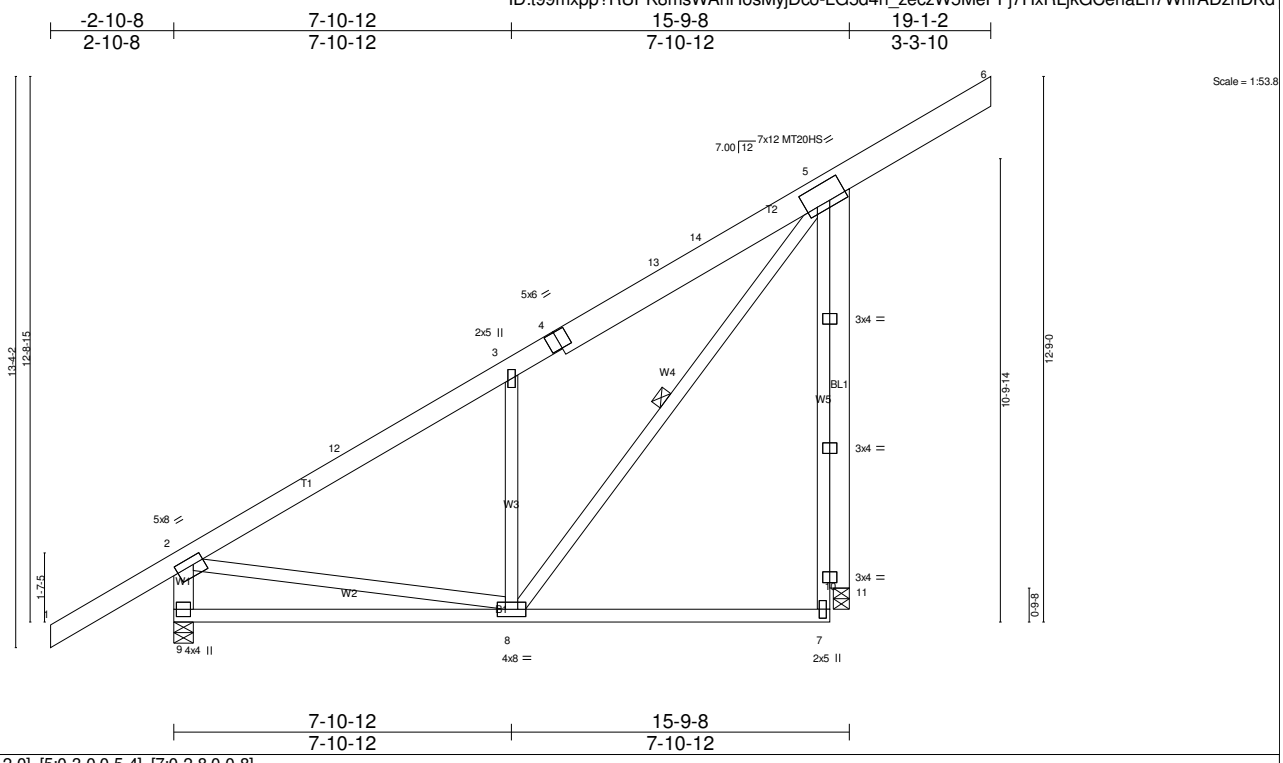


Plate Offsets (X,Y)-- [2:0-3-0,0-2-0], [5:0-3-0,0-5-4], [7:0-2-8,0-0-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.06	7-8	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.38	Vert(TL)	-0.16	7-8	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	0.42	Horz(TL)	-0.03	11	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 128 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x8 SPF No.2 *Except*
T1: 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x6 SPF No.2
OTHERS 2x6 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.
WEBS 1 Row at midpt 5-8

REACTIONS. (lb/size) 9=1160/0-5-8, 11=1204/0-4-8
Max Horz 9=842(LC 9)
Max Uplift 9=-185(LC 9), 11=-855(LC 9)
Max Grav 9=1160(LC 1), 11=1600(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/272, 2-12=-847/0, 3-12=-649/0, 3-4=-793/48, 4-13=-645/67, 13-14=-621/74, 5-14=-486/92, 5-6=-342/0, 2-9=-1082/225
BOT CHORD 8-9=-675/302
WEBS 3-8=-615/431, 5-8=-512/864, 2-8=-28/414

JOINT STRESS INDEX
2 = 0.96, 3 = 0.27, 4 = 0.27, 5 = 0.96, 7 = 0.95, 8 = 0.65, 9 = 0.80, 10 = 0.00, 10 = 0.00, 10 = 0.00 and 10 = 0.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Bearing at joint(s) 11 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 100 lb uplift at joint(s) except (jt=lb) 9=185, 11=855.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

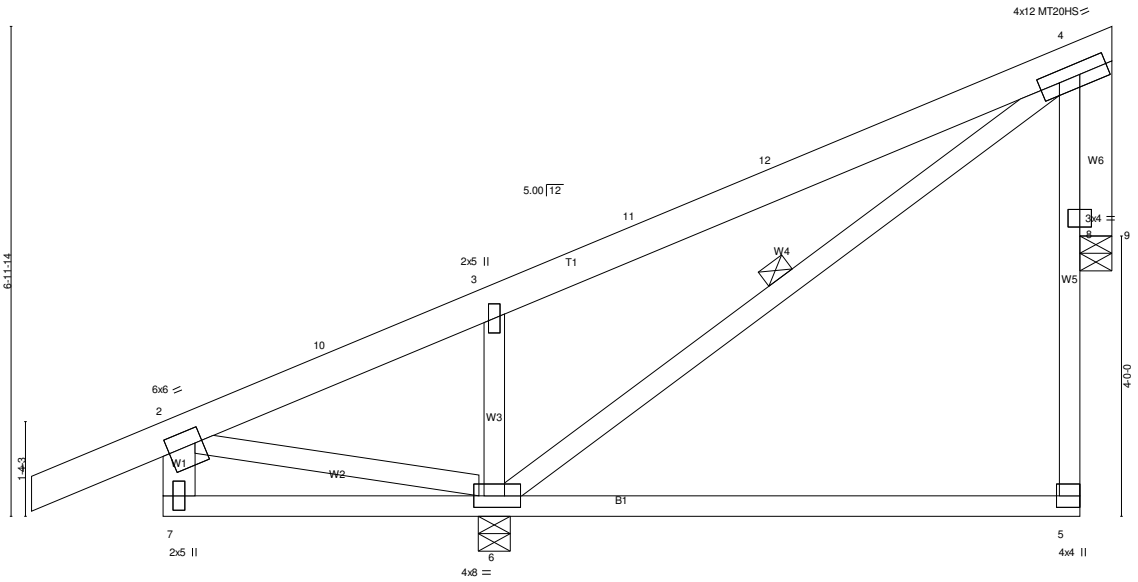
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T3	MONO TRUSS	9	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:43 2016 Page 1
ID:t99mxpp?RUPK8msWAnHosMyjDco-pTf?I1?bPv6NiVDbpReWUetsygYqW?OrM9RPjfznDKc

-1-10-8 | 5-8-11 | 13-6-8
1-10-8 | 5-8-11 | 7-9-13

Scale = 1:32.9



5-8-11 | 13-6-8
5-8-11 | 7-9-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.10	5-6	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.39	Vert(TL)	-0.24	5-6	>434	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.13	9	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 77 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1,W6: 2x6 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.
WEBS 1 Row at midpt 4-6

REACTIONS. (lb/size) 6=1476/0-5-8, 9=170/0-5-8
Max Horz 6=398(LC 9)
Max Uplift 6=-652(LC 9), 9=-153(LC 13)
Max Grav 6=1571(LC 2), 9=357(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-432/805, 3-10=-420/818, 3-11=-254/785, 11-12=-241/802, 4-12=-239/824
BOT CHORD 6-7=-343/138
WEBS 3-6=-890/460, 4-6=-956/201, 2-6=-486/393

JOINT STRESS INDEX
2 = 0.86, 3 = 0.32, 4 = 0.89, 5 = 0.74, 6 = 0.75, 7 = 0.49, 8 = 0.00 and 8 = 0.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 100 lb uplift at joint(s) except (jt=lb) 6=652, 9=153.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

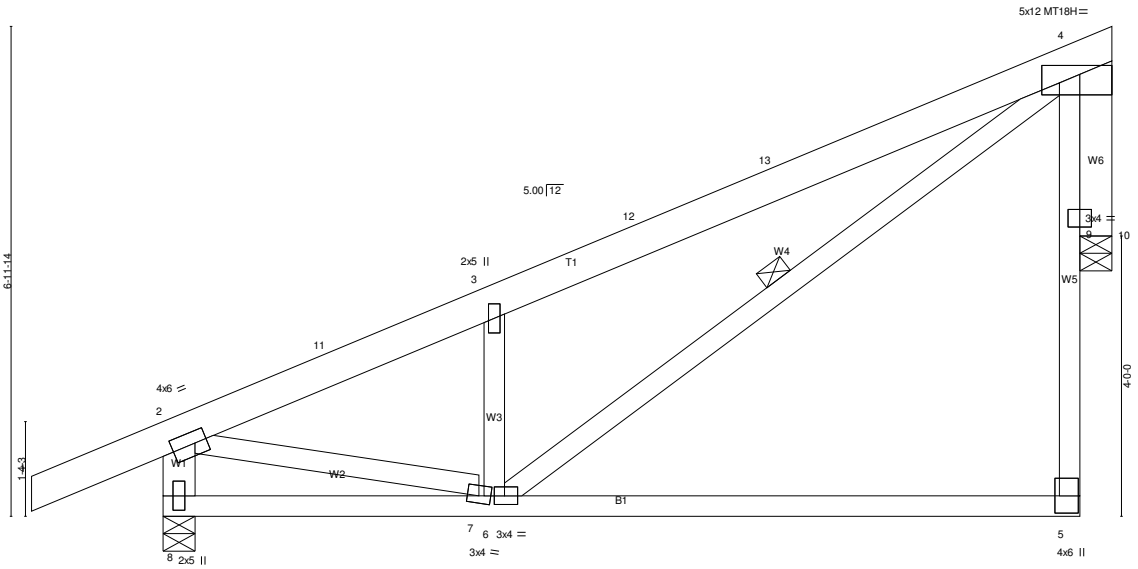
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T3ALTBRG	MONO TRUSS	0	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:43 2016 Page 1
ID:t99mxpp?RUPK8msWAnHosMyjDco-pTf?l1?bPv6NiVDbpReWUetuvgYPW0arM9RPjfznDKc

-1-10-8 | 5-8-11 | 13-6-8
1-10-8 | 5-8-11 | 7-9-13

Scale = 1:32.9



5-8-11 | 13-6-8
5-8-11 | 7-9-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.11	5-6	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.41	Vert(TL)	-0.26	5-6	>595	240	MT18H	197/144
TCDL	7.0	Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.18	10	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 77 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W5: 2x4 SPF No.2, W1,W6: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

REACTIONS. (lb/size) 8=959/0-5-8, 10=688/0-5-8
Max Horz 8=398(LC 9)
Max Uplift 8=-312(LC 9), 10=-306(LC 9)
Max Grav 8=1020(LC 2), 10=863(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-1123/182, 3-11=-976/189, 3-12=-1276/367, 12-13=-1098/373, 4-13=-1082/386, 2-8=-982/319
BOT CHORD 6-7=-431/999
WEBS 3-6=-821/443, 4-6=-498/1092, 2-7=-200/1102

JOINT STRESS INDEX
2 = 0.82, 3 = 0.30, 4 = 0.68, 5 = 1.00, 6 = 0.87, 7 = 0.80, 8 = 0.60, 9 = 0.00 and 9 = 0.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Bearing at joint(s) 10 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 100 lb uplift at joint(s) except (jt=lb) 8=312, 10=306.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T3SHR	MONO TRUSS	1	1	Job Reference (optional)

Universal Forest Products

ID:t99mxpp?RUPK8msWAnHosMyjDco-HfDNVN?DADEEKfooM89l0sQ5e3uWFSr_bpAyF5znDKb

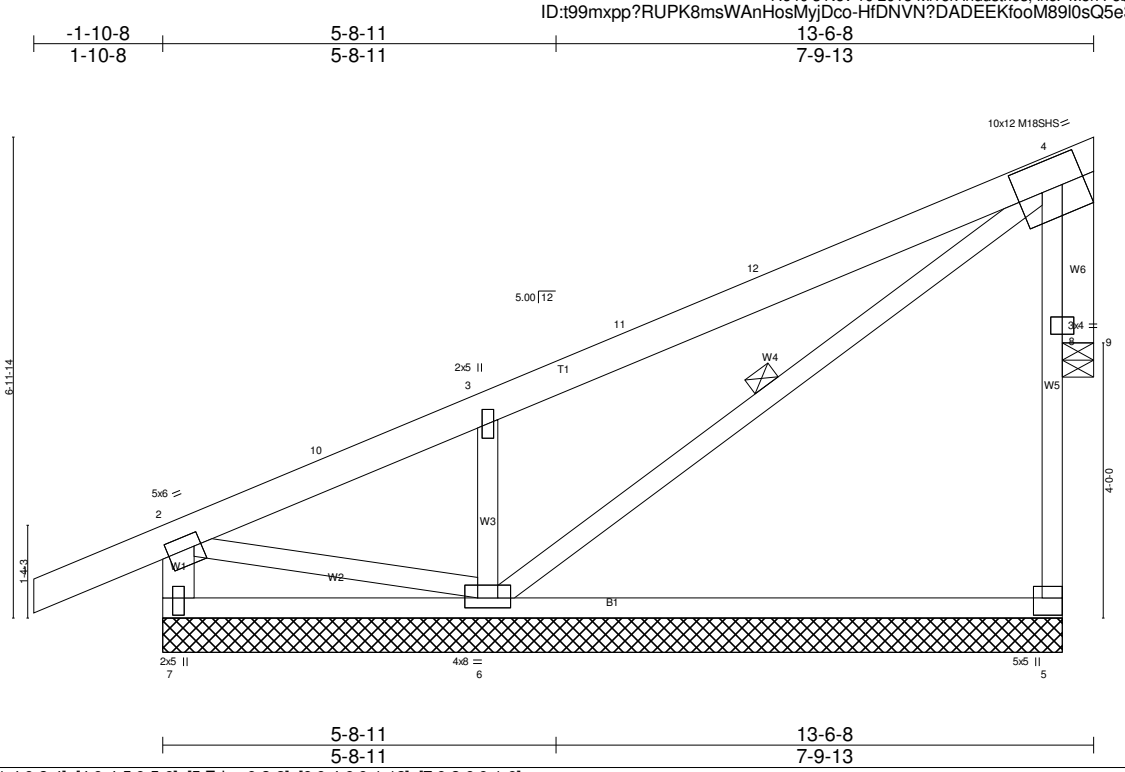


Plate Offsets (X,Y)-- [2:0-1-4,0-2-4], [4:0-4-5,0-5-0], [5:Edge,0-3-8], [6:0-4-0,0-1-12], [7:0-3-0,0-1-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.64	Vert(LL)	-0.10	5-6	>976	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.42	Vert(TL)	-0.25	5-6	>399	240	M18SHS	197/144
TCDL	7.0	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.11	9	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 77 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1,W6: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-2-2 oc bracing.
WEBS 1 Row at midpt 4-6

REACTIONS. All bearings 13-1-0 except (jt=length) 9=0-5-8.
(lb) - Max Horz 7=398(LC 28)
Max Uplift All uplift 100 lb or less at joint(s) except 7=-942(LC 28), 5=-526(LC 29), 6=-493(LC 28), 9=-601(LC 17)
Max Grav All reactions 250 lb or less at joint(s) except 7=1238(LC 15), 5=1046(LC 16), 6=1164(LC 17), 9=422(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-1655/1489, 3-10=-1108/1113, 3-11=-848/707, 4-12=-671/899, 5-8=-958/561, 4-8=-958/561, 2-7=-1202/945
BOT CHORD 6-7=-749/576, 5-6=-1256/1313
WEBS 3-6=-871/476, 4-6=-888/726, 2-6=-1266/1413

JOINT STRESS INDEX
2 = 0.87, 3 = 0.31, 4 = 0.75, 5 = 0.84, 6 = 0.74, 7 = 0.80, 8 = 0.00 and 8 = 0.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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 942 lb uplift at joint 7, 526 lb uplift at joint 5, 493 lb uplift at joint 6 and 601 lb uplift at joint 9.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
12) This truss has been designed for a total drag load of 2000 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 13-1-0 for 152.9 plf.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T4	COMMON	6	1	Job Reference (optional)

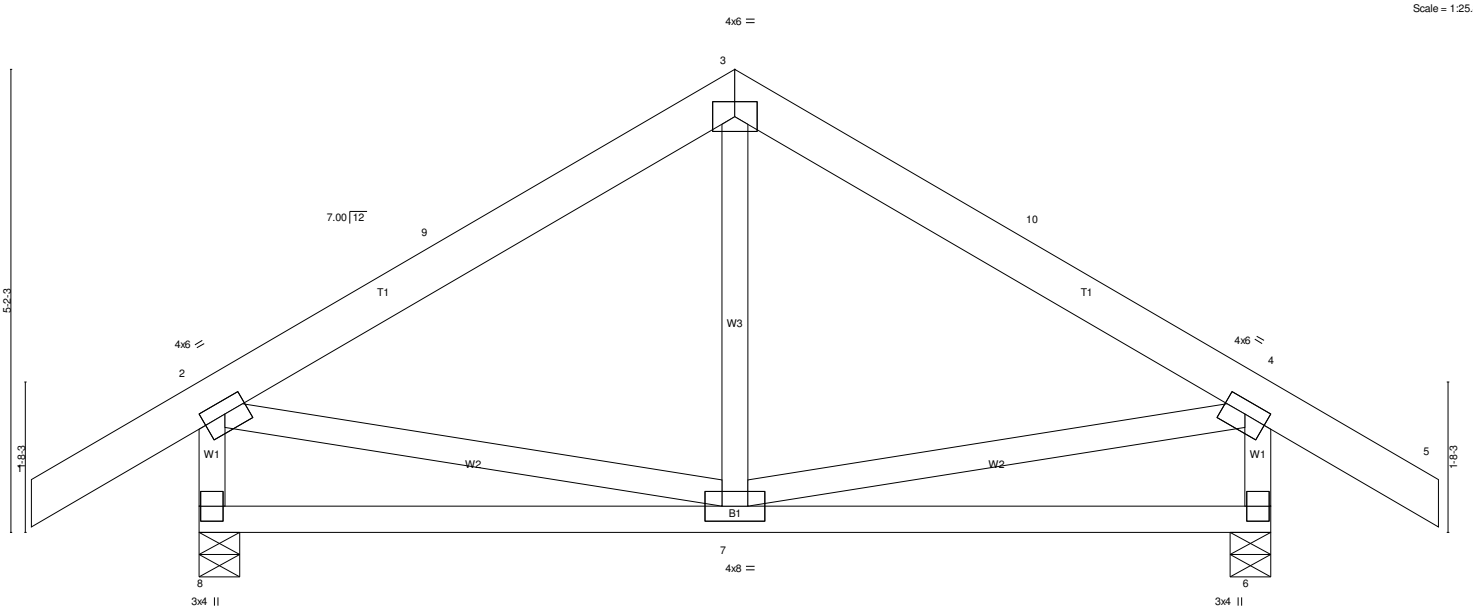
Universal Forest Products

ID:LMj899peCoXBmwRijVo1PayjDcn-Irnmjj0rxXM5ypN_wrg_Z3zInTHq_?E8pTwVnXznDKa

-1-10-8 | 6-0-0 | 12-0-0 | 13-10-8

1-10-8 | 6-0-0 | 6-0-0 | 1-10-8

Scale = 1:25.8



6-0-0 | 12-0-0

6-0-0 | 6-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	-0.02	6-7	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.23	Vert(TL)	-0.05	7-8	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.00	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 68 lb	FT = 4%
BCDL	10.0											

LUMBER-

TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3

BRACING-

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

REACTIONS. (lb/size) 8=857/0-5-8, 6=857/0-5-8
Max Horz 8=-199(LC 7)
Max Uplift8=-357(LC 9), 6=-357(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-642/213, 3-9=-504/226, 3-10=-504/226, 4-10=-642/213, 2-8=-798/385, 4-6=-798/385
WEBS 2-7=-48/354, 4-7=-57/354

JOINT STRESS INDEX

2 = 0.89, 3 = 0.97, 4 = 0.89, 6 = 0.80, 7 = 0.26 and 8 = 0.80

NOTES-

1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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 357 lb uplift at joint 8 and 357 lb uplift at joint 6.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T5	SPECIAL	10	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:45 2016 Page 1
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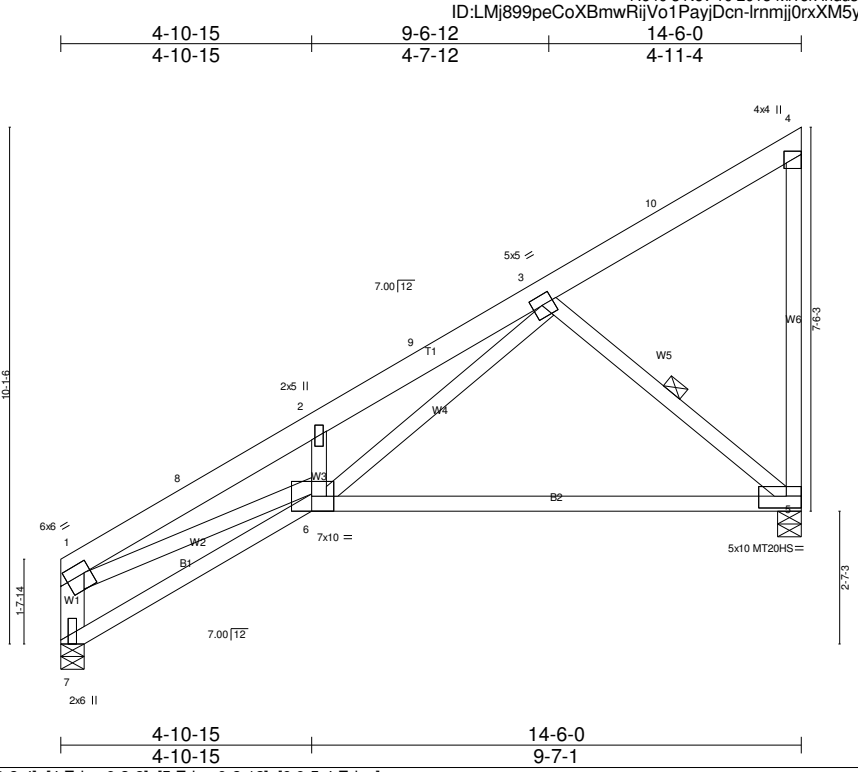

Plate Offsets (X,Y)-- [1:0-1-8,0-2-8], [3:0-2-4,0-2-4], [4:Edge,0-3-8], [5:Edge,0-2-12], [6:0-5-4,Edge]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.88	Vert(LL)	-0.21	5-6	>814	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.59	Vert(TL)	-0.54	5-6	>315	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.14	5	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 79 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-2 oc bracing.
WEBS 1 Row at midpt 3-5

REACTIONS. (lb/size) 7=1097/0-5-8, 5=1389/0-5-8
Max Horz 7=508(LC 9)
Max Uplift7=-78(LC 9), 5=-448(LC 9)
Max Grav7=1136(LC 2), 5=1573(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-1268/420, 1-8=-3086/807, 2-8=-2895/815, 2-9=-2976/963, 3-9=-2706/975, 3-10=-383/0, 4-5=-507/131
BOT CHORD 6-7=-684/383, 5-6=-430/1204
WEBS 1-6=-487/2261, 2-6=-380/241, 3-6=-892/1815, 3-5=-1512/562

JOINT STRESS INDEX
1 = 0.96, 2 = 0.19, 3 = 0.80, 4 = 0.74, 5 = 0.58, 6 = 0.93 and 7 = 0.85

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 78 lb uplift at joint 7 and 448 lb uplift at joint 5.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 6-7=-20, 5-6=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-4=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 6-7=-20, 5-6=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-3=-174, 3=-219-to-4=-263
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 6-7=-20, 5-6=-20
Trapezoidal Loads (plf)
Vert: 1=-38-to-4=-162

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T5A	SPECIAL	2	1	Job Reference (optional)

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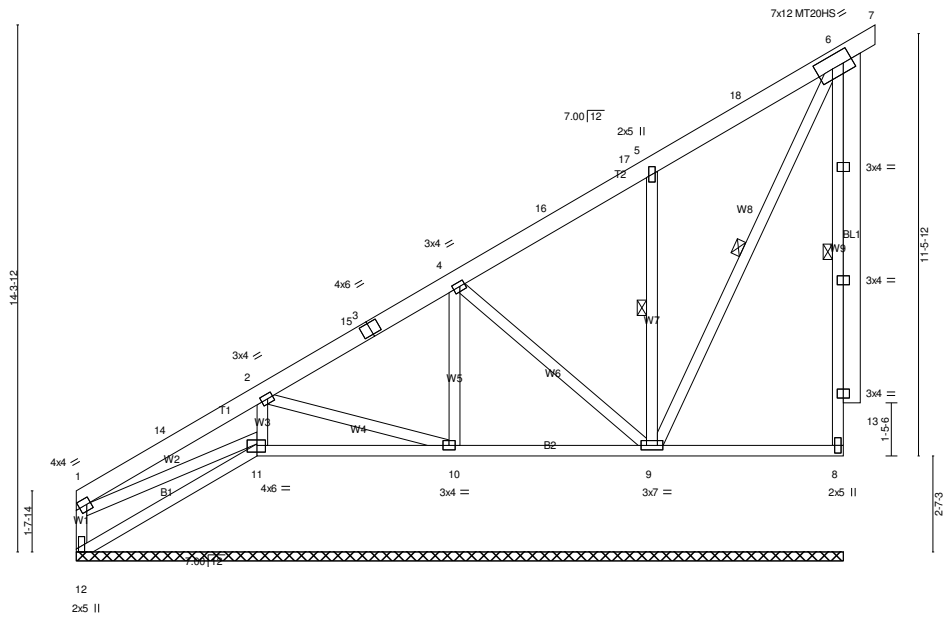
ID:qYHXMVqGz5f2O40uHCJGxnyjDcm-D2L8w31TiqUyZzyAUZCD6HVTWterjNuH27f3K_znDKZ

4-10-15	10-3-5	15-7-11	21-3-8	21-8-5
4-10-15	5-4-6	5-4-6	5-7-13	0-4-13

Scale = 1:62.6



4-10-15	10-3-5	15-7-11	21-3-8
4-10-15	5-4-6	5-4-6	5-7-13

Plate Offsets (X,Y)-- [1:0-1-4,0-2-0], [2:0-1-12,0-1-8], [4:0-1-12,0-1-8], [6:0-5-0,0-4-0], [11:0-2-12,0-2-4]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.48	Vert(LL) -0.00 6-7 n/r 180	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.18	Vert(TL) -0.00 6-7 n/r 80	MT20HS 148/108
TCDL 7.0	Rep Stress Incr YES	WB 0.45	Horz(TL) -0.01 8 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 147 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3
OTHERS 2x6 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.
WEBS 1 Row at midpt 6-8, 5-9, 6-9

REACTIONS. All bearings 20-10-0.
(lb) - Max Horz 12=710(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 12 except 8=-246(LC 9), 11=-453(LC 9), 10=-126(LC 9), 9=-410(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 12=404(LC 9), 8=790(LC 2), 11=808(LC 1), 10=680(LC 1), 9=1641(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-340/28, 1-14=-303/65, 2-14=-294/85, 2-15=-340/64, 3-15=-328/73, 3-4=-320/84, 4-16=-331/82, 16-17=-319/294, 5-17=-308/346, 6-18=-114/415, 8-13=-740/267, 6-13=-740/266
BOT CHORD 11-12=-826/251, 10-11=-406/128
WEBS 1-11=-97/326, 2-11=-664/179, 4-10=-564/111, 5-9=-1198/362

JOINT STRESS INDEX
1 = 0.81, 2 = 0.60, 3 = 0.66, 4 = 0.60, 5 = 0.52, 6 = 0.81, 8 = 0.75, 9 = 0.78, 10 = 0.54, 11 = 0.95, 12 = 0.58, 13 = 0.00, 13 = 0.26, 13 = 0.26 and 13 = 0.26

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
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) 12 except (jt=lb) 8=246, 11=453, 10=126, 9=410.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 8, 11, 10, 9.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 11-12=-20, 8-11=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-6=-213, 6=-213-to-7=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 11-12=-20, 8-11=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-17=-181, 17=-240-to-6=-272, 6=-272-to-7=-277

Continued on page 2

LOAD CASE(S) Standard

3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 11-12=-20, 8-11=-20
   Trapezoidal Loads (plf)
      Vert: 1=-38-to-6=-157, 6=-157-to-7=-162

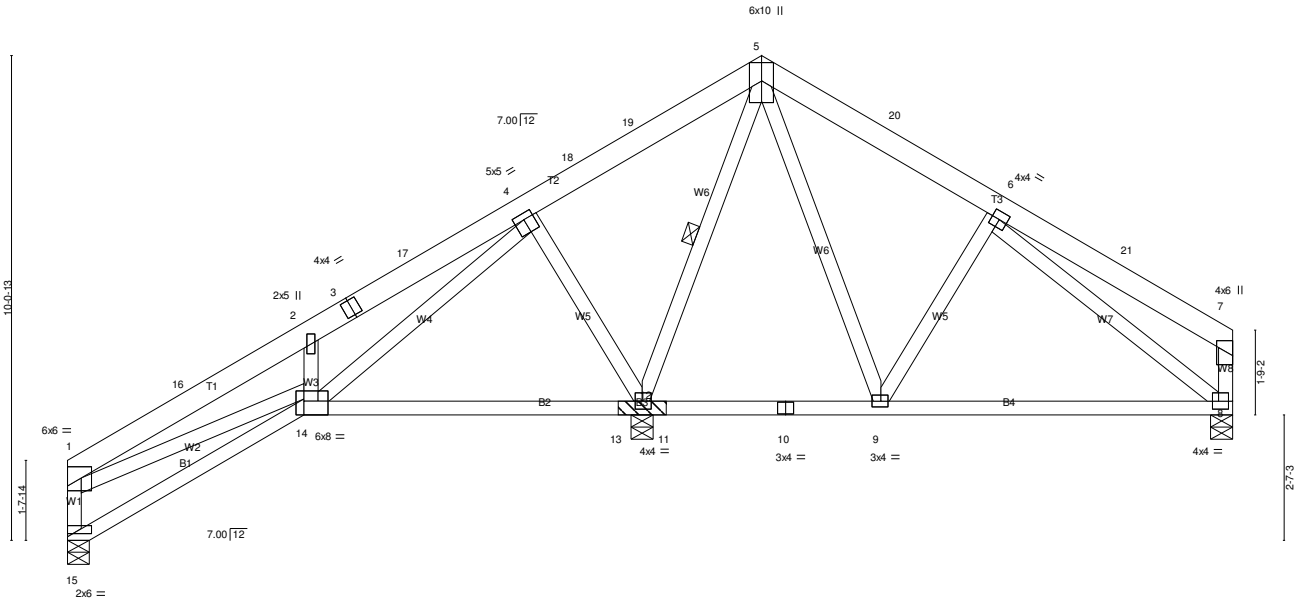
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 11-12=-20, 8-11=-20
   Trapezoidal Loads (plf)
      Vert: 1=-14-to-6=-133, 6=-293-to-7=-298

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T6A	SPECIAL	2	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:46 2016 Page 1
ID:qYHXMVqGz5f2O40uHCJGxnyjDcm-D2L8w31TiqUyZzyAUZCD6HVOlta6jGxH27f3K_znDKZ

4-10-15	9-7-4	14-5-0	19-2-12	24-2-6
4-10-15	4-8-4	4-9-12	4-9-12	4-11-10

Scale: 1/4"=1'



4-10-15	11-11-4	16-10-12	24-2-6
4-10-15	7-0-5	4-11-8	7-3-10

Plate Offsets (X,Y)-- [1:Edge,0-2-12], [4:0-2-8,0-1-8], [8:0-1-8,0-2-0], [9:0-1-12,0-1-8], [12:0-1-12,0-2-0], [14:0-6-0,Edge], [15:0-6-0,0-0-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.79	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=40.0)	Plate Grip DOL 1.15	BC 0.41	Vert(LL) -0.09 12-14 >999 360		
TCDL 7.0	Lumber DOL 1.15	WB 0.96	Vert(TL) -0.16 12-14 >889 240		
BCLL 0.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.07 8 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 130 lb	FT = 4%

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 14-15.
WEBS 1 Row at midpt 5-12

REACTIONS. (lb/size) 15=872/0-5-8, 12=3893/(0-5-8 + bearing block) (req. 0-6-2), 8=925/0-5-8
Max Horz 15=-276(LC 7)
Max Uplift15=-93(LC 9), 12=-671(LC 9), 8=-127(LC 9)
Max Grav 15=881(LC 2), 12=3893(LC 1), 8=1120(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-969/210, 1-16=-1522/196, 2-16=-1240/207, 2-3=-1540/392, 3-17=-1341/399, 4-17=-1102/409, 4-18=-148/1078, 18-19=-137/1295, 5-19=-133/1598, 5-20=-304/286, 6-20=-637/138, 7-21=-498/111, 7-8=-598/153
BOT CHORD 14-15=-307/340, 13-14=-415/159, 12-13=-415/159, 11-12=-299/221, 10-11=-299/221, 9-10=-299/221, 8-9=-63/735
WEBS 1-14=-14/837, 2-14=-978/316, 4-14=-516/2106, 4-12=-1471/390, 5-12=-2675/411, 5-9=-198/951, 6-9=-933/291, 6-8=-672/177

JOINT STRESS INDEX
1 = 0.96, 2 = 0.49, 3 = 0.43, 4 = 0.72, 5 = 0.91, 6 = 0.41, 7 = 0.93, 8 = 0.91, 9 = 0.95, 10 = 0.26, 11 = 0.00, 11 = 0.00, 12 = 0.94, 12 = 0.00, 13 = 0.00, 13 = 0.00, 14 = 0.85 and 15 = 0.83

NOTES-
1) 2x4 SPF No.2 bearing block 12" long at jt. 12 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. User Defined Bearing crushing capacity= 425psi.
2) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) 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.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 12=671, 8=127.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-218, 5-7=-218, 14-15=-20, 8-14=-20
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-18=-218, 5-18=-252, 5-7=-162, 14-15=-20, 8-14=-20
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-162, 5-6=-263, 6-7=-218, 14-15=-20, 8-14=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T7	SPECIAL	2	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:47 2016 Page 1
ID:qYHXMVqGz5f2O40uHCJGxnyjDcm-hEuW8P25T8cpB7XM2GjSeU2YcHu2Si6QHnPcsQznDKY

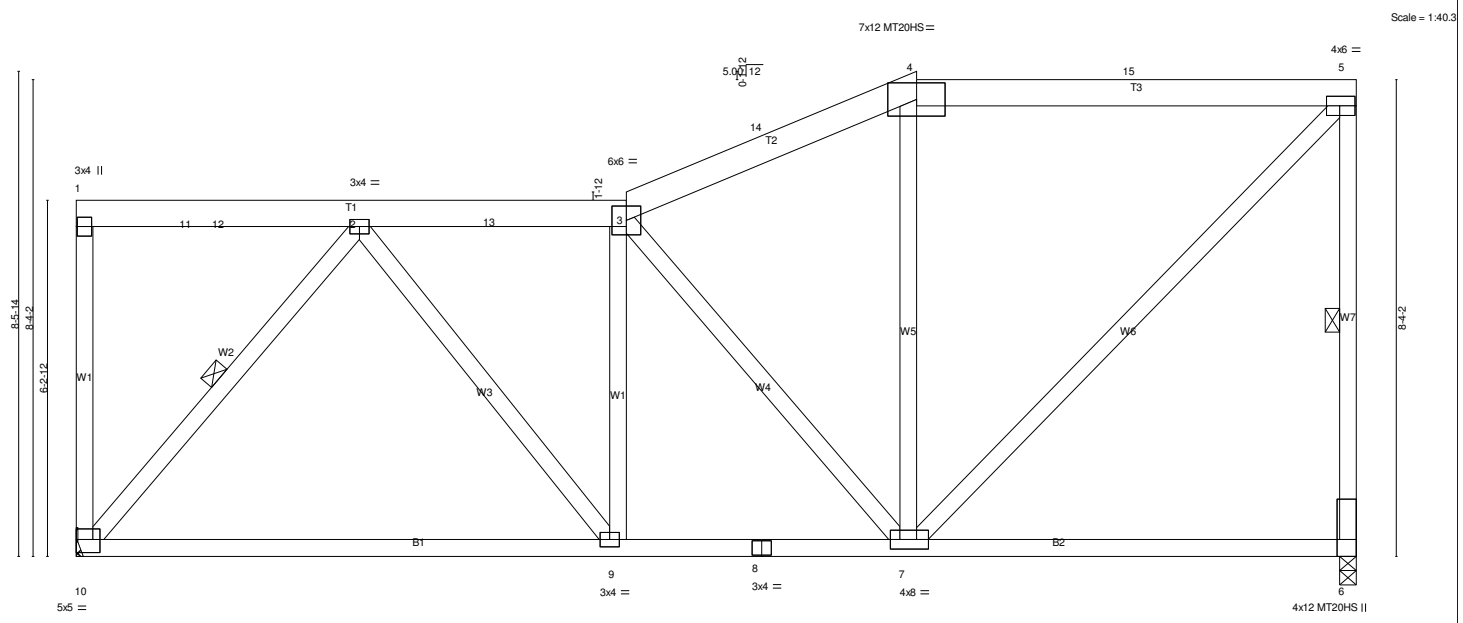


Plate Offsets (X,Y)-- [5:0-2-12,0-2-0], [6:0-3-8,Edge], [7:0-2-0,0-2-0], [10:Edge,0-2-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.85	Vert(LL)	-0.18	9-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.56	Vert(TL)	-0.46	9-10	>577	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	0.96	Horz(TL)	0.03	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 133 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-9-10 oc bracing.
WEBS 1 Row at midpt 5-6, 2-10

REACTIONS. (lb/size) 10=1261/Mechanical, 6=1261/0-3-8
Max Horz 10=118(LC 9)
Max Uplift 10=-375(LC 9), 6=-449(LC 9)
Max Grav 10=1618(LC 17), 6=1569(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-339/90, 2-13=-1318/317, 3-13=-1312/317, 3-14=-1031/267, 4-14=-964/277, 4-15=-968/322, 5-15=-972/322, 5-6=-1483/483
BOT CHORD 9-10=-380/1041, 8-9=-436/1316, 7-8=-436/1316
WEBS 2-10=-1577/428, 2-9=-86/700, 3-9=-401/145, 3-7=-632/188, 4-7=-425/248, 5-7=-457/1335

JOINT STRESS INDEX
1 = 0.92, 2 = 0.74, 3 = 0.65, 4 = 0.89, 5 = 0.90, 6 = 0.69, 7 = 0.87, 8 = 0.57, 9 = 0.66 and 10 = 1.00

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=375, 6=449.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T7A	SPECIAL	2	1	Job Reference (optional)

Universal Forest Products

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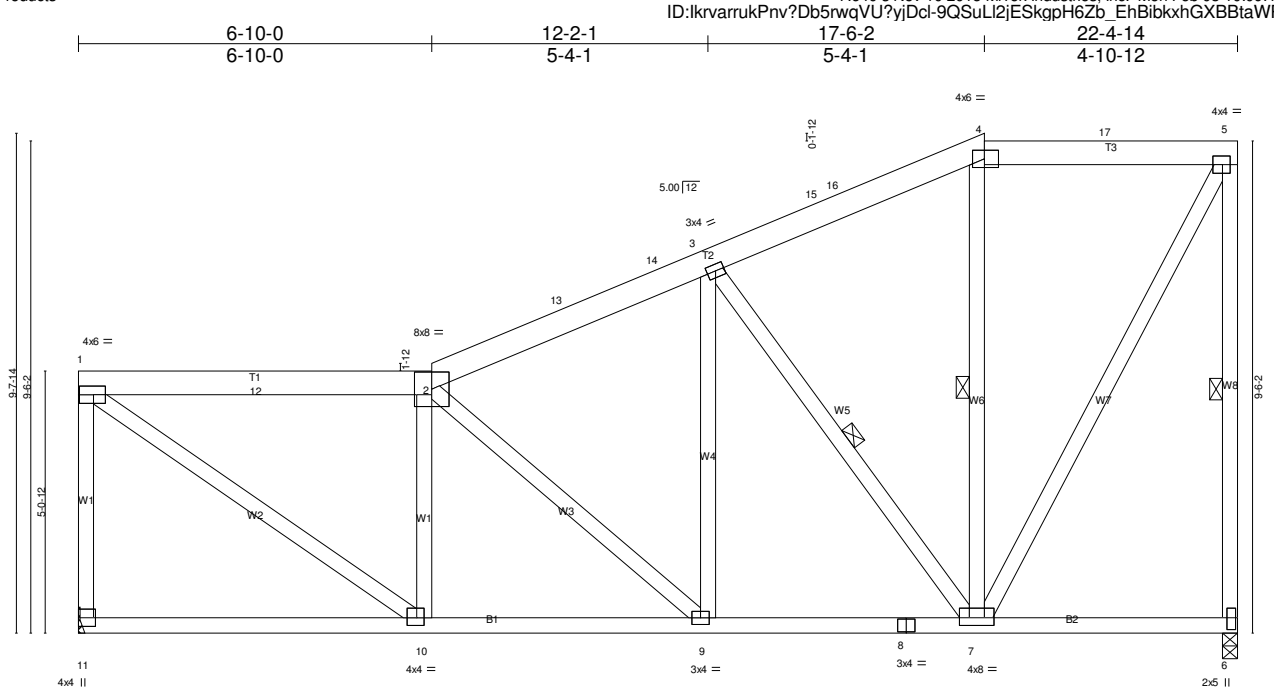

6-10-0
6-10-0
12-2-1
5-4-1
17-6-2
5-4-1
22-4-14
4-10-12

Plate Offsets (X,Y)-- [1:0-2-12,0-2-0], [4:0-3-4,0-2-0], [5:0-1-12,0-2-0], [6:0-2-12,0-1-0], [7:0-4-0,0-1-12], [10:0-1-12,0-1-12]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.07	9-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.42	Vert(TL)	-0.12	9-10	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.03	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 142 lb	FT = 4%
BCDL	10.0											

LUMBER-

TOP CHORD	2x6 SPF No.2
BOT CHORD	2x4 SPF No.2
WEBS	2x4 SPF No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-3-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 7-9-6 oc bracing.
WEBS	1 Row at midpt 5-6, 3-7, 4-7

REACTIONS. (lb/size) 11=1261/Mechanical, 6=1261/0-3-8
Max Horz 11=248(LC 9)
Max Uplift 11=-334(LC 9), 6=-489(LC 9)
Max Grav 11=1333(LC 17), 6=1290(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-1258/362, 1-12=-1420/318, 2-12=-1418/318, 2-13=-1521/268, 13-14=-1364/275, 3-14=-1238/284, 3-15=-851/176, 15-16=-701/177, 4-16=-686/186, 4-17=-638/226, 5-17=-640/225, 5-6=-1243/507
BOT CHORD 10-11=-256/68, 9-10=-572/1446, 8-9=-429/1268, 7-8=-429/1268
WEBS 1-10=-379/1709, 2-10=-876/291, 2-9=-547/192, 3-9=-80/473, 3-7=-1066/351, 4-7=-350/192, 5-7=-471/1341

JOINT STRESS INDEX
1 = 0.94, 2 = 0.70, 3 = 0.64, 4 = 0.90, 5 = 0.86, 6 = 0.93, 7 = 0.92, 8 = 0.55, 9 = 0.54, 10 = 0.86 and 11 = 0.98

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=334, 6=489.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T7B	SPECIAL	2	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:49 2016 Page 1
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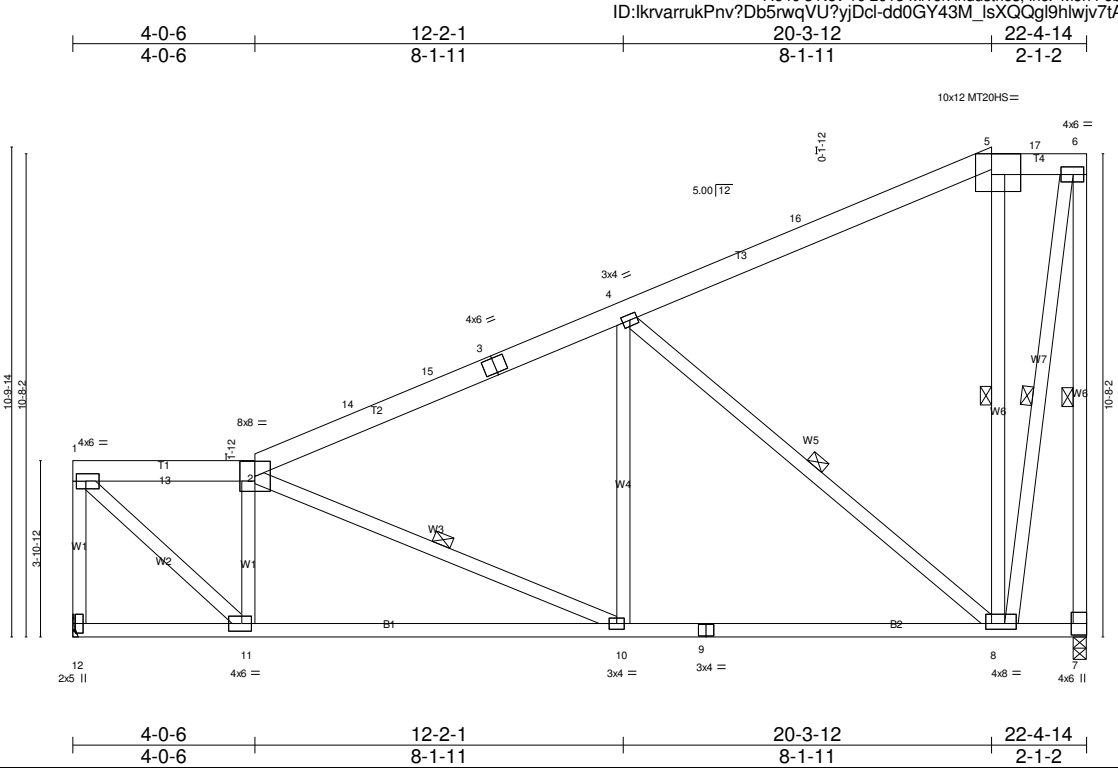


Plate Offsets (X,Y)-- [1:0-2-8,0-2-0], [5:0-7-12,Edge], [6:0-2-12,0-2-0], [7:Edge,0-3-8], [8:0-1-8,0-1-8], [11:0-2-8,0-2-0]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.91	Vert(LL)	-0.10	8-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.61	Vert(TL)	-0.24	8-10	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr YES	WB	0.85	Horz(TL)	0.05	7	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 144 lb	FT = 4%
BCDL	10.0										

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-7, 2-10, 4-8, 5-8, 6-8

REACTIONS. (lb/size) 12=1261/Mechanical, 7=1261/0-3-8
Max Horz 12=377(LC 9)
Max Uplift 12=-294(LC 9), 7=-530(LC 9)
Max Grav 12=1472(LC 18), 7=1631(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1446/298, 1-13=-1562/273, 2-13=-1560/274, 2-14=-1897/219, 14-15=-1683/224, 3-15=-1657/225, 3-4=-1470/239, 4-16=-614/22, 5-16=-363/35, 5-17=-317/97, 6-17=-319/97, 6-7=-1610/494
BOT CHORD 11-12=-380/33, 10-11=-663/1618, 9-10=-491/1547, 8-9=-491/1547
WEBS 1-11=-371/2141, 2-11=-1346/328, 4-10=0/383, 4-8=-1589/509, 5-8=-698/308, 6-8=-551/1842

JOINT STRESS INDEX
1 = 0.92, 2 = 0.79, 3 = 0.90, 4 = 0.67, 5 = 0.95, 6 = 0.95, 7 = 0.75, 8 = 0.89, 9 = 0.60, 10 = 0.54, 11 = 0.92 and 12 = 0.80

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=294, 7=530.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

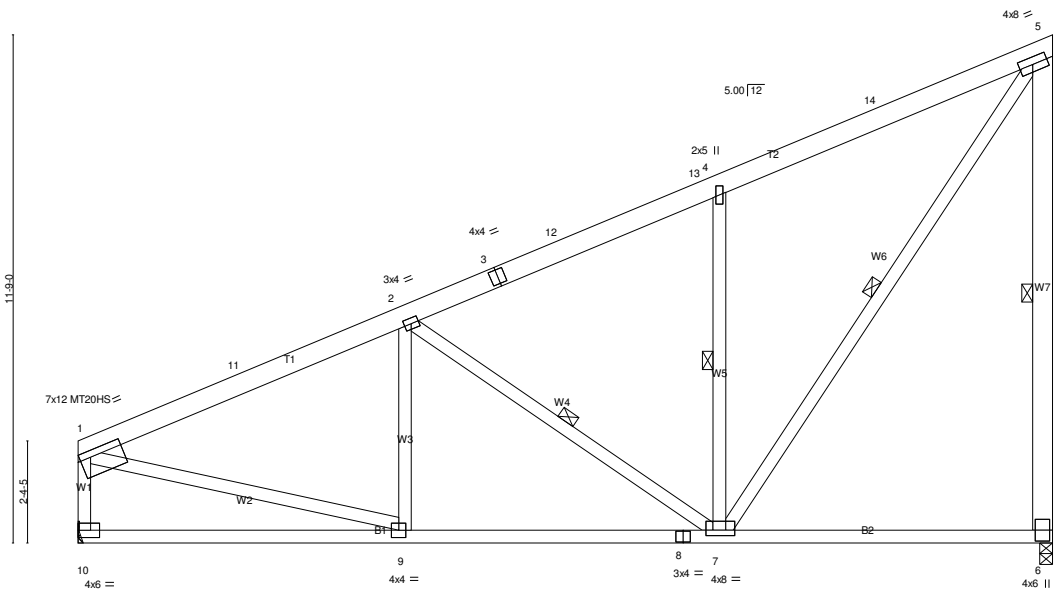
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T7C	MONO TRUSS	2	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:49 2016 Page 1
ID:IkrvarrukPnv?Db5rwqVU?yjDcl-dd0GY43M_lsXQQgl9hlwjv7vM4a0wg3jk5ujwJznDKW

7-6-13	14-10-1	22-6-8
7-6-13	7-3-5	7-8-7

Scale = 1:53.3



7-6-13	14-10-1	22-6-8
7-6-13	7-3-5	7-8-7

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.83	Vert(LL)	-0.09	7-9	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.47	Vert(TL)	-0.18	7-9	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	0.74	Horz(TL)	0.02	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 138 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W7: 2x6 SPF No.2, W1: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-1-7 oc bracing.
WEBS 1 Row at midpt 5-6, 2-7, 4-7, 5-7

REACTIONS. (lb/size) 6=1264/0-3-8, 10=1264/Mechanical
Max Horz 10=514(LC 9)
Max Uplift6=-567(LC 9), 10=-259(LC 9)
Max Grav6=1589(LC 2), 10=1333(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-1656/265, 2-11=-1522/278, 2-3=-1176/129, 3-12=-1055/139, 12-13=-939/149, 4-13=-906/151, 4-14=-1274/332, 5-14=-1055/344, 5-6=-1505/598, 1-10=-1253/292
BOT CHORD 9-10=-558/200, 8-9=-681/1410, 7-8=-681/1410
WEBS 2-7=-594/362, 4-7=-955/439, 5-7=-680/1680, 1-9=-128/1255

JOINT STRESS INDEX
1 = 1.00, 2 = 0.64, 3 = 0.84, 4 = 0.35, 5 = 0.96, 6 = 0.85, 7 = 0.89, 8 = 0.63, 9 = 0.84 and 10 = 0.93

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=567, 10=259.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

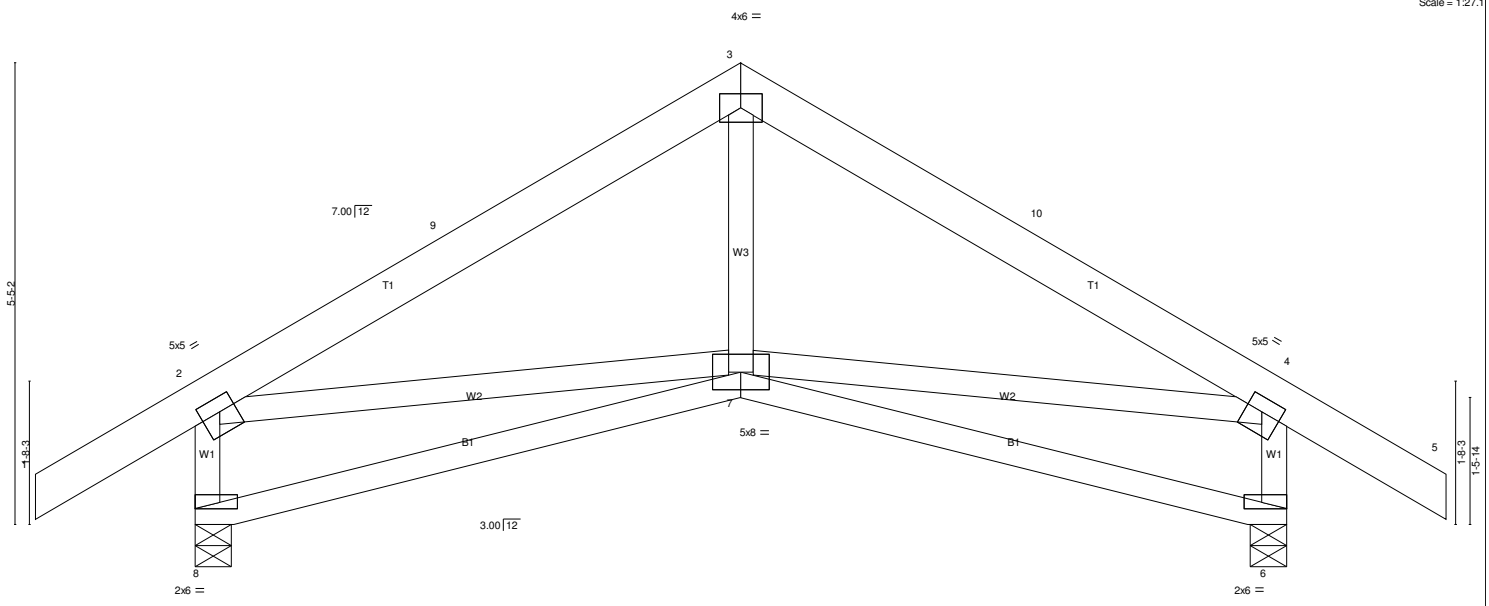
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T9	SCISSORS	14	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:50 2016 Page 1
ID:mxPHnBsWVjvmdNAHPdMk1CyjDck-6pafmQ4_l3_O2aFxjPG9G7g8YUzTfF?tzldGTlznDKV

-1-10-8 | 6-5-0 | 12-10-0 | 14-8-8
1-10-8 | 6-5-0 | 6-5-0 | 1-10-8

Scale = 1:27.1



6-5-0 | 12-10-0
6-5-0 | 6-5-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.55	Vert(LL)	-0.03	7-8	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.26	Vert(TL)	-0.07	7-8	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.25	Horz(TL)	0.02	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 70 lb	FT = 4%
BCDL	10.0											

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

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

REACTIONS. (lb/size) 8=905/0-5-2, 6=905/0-5-2
Max Horz 8=-209(LC 7)
Max Uplift8=-373(LC 9), 6=-373(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-936/213, 3-9=-789/227, 3-10=-789/227, 4-10=-936/213, 2-8=-868/393, 4-6=-868/393
BOT CHORD 7-8=-193/252
WEBS 3-7=0/323, 2-7=0/567, 4-7=-74/567

JOINT STRESS INDEX
2 = 0.88, 3 = 0.97, 4 = 0.88, 6 = 0.81, 7 = 0.78 and 8 = 0.81

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Bearing at joint(s) 8, 6 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 100 lb uplift at joint(s) except (jt=lb) 8=373, 6=373.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T9A	SPECIAL	2	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:50 2016 Page 1
ID:mxPHnBsWVjvmdNAHPdMk1CyjDck-6pafmQ4_l3_O2aFxjPG9G7gBxUzefD4tzldGTlznDKV

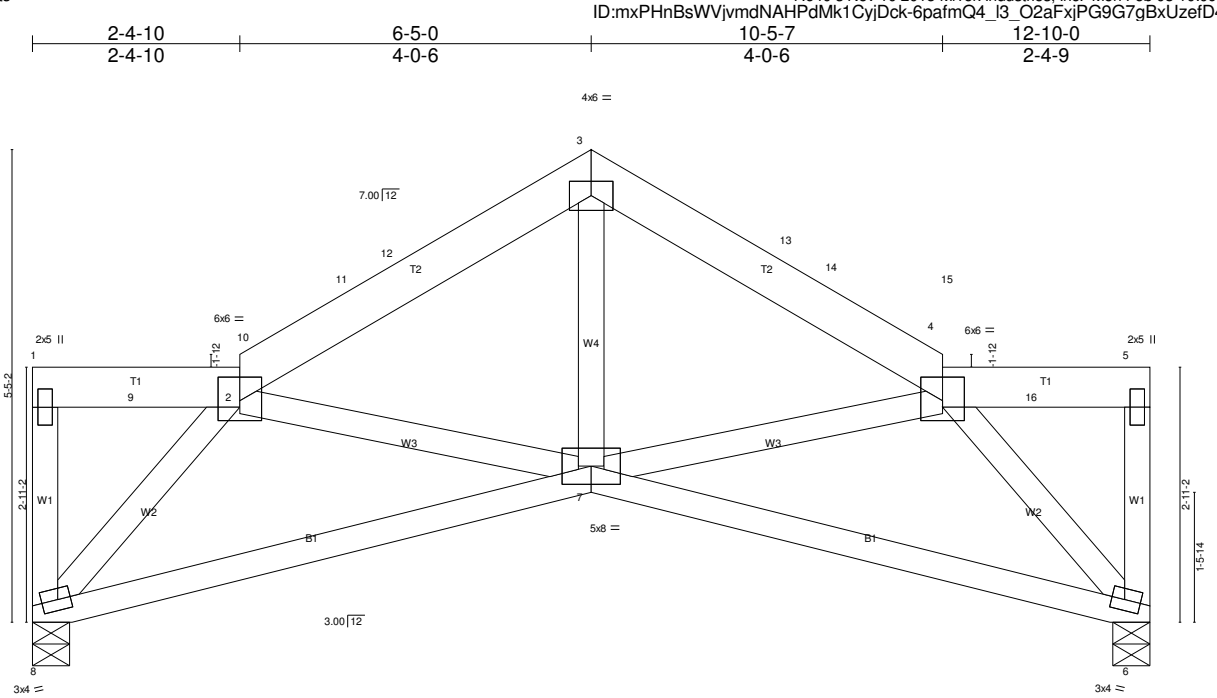


Plate Offsets (X,Y)-- [2:0-3-0,0-3-4], [4:0-3-0,0-3-4], [6:0-1-12,0-1-8], [8:0-1-12,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.33	Vert(LL)	-0.03	7	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.31	Vert(TL)	-0.08	7-8	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.37	Horz(TL)	0.04	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 66 lb	FT = 4%
BCDL	10.0											

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

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

REACTIONS. (lb/size) 8=715/0-5-2, 6=715/0-5-2
Max Horz 8=73(LC 8)
Max Uplift 8=-234(LC 9), 6=-234(LC 9)
Max Grav 8=856(LC 20), 6=856(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-326/46, 2-10=-1296/274, 10-11=-1295/280, 11-12=-1193/281, 3-12=-1160/291, 3-13=-1160/291, 13-14=-1193/281, 14-15=-1295/280, 4-15=-1296/274, 5-6=-326/47
BOT CHORD 7-8=-248/900, 6-7=-248/899
WEBS 2-8=-1269/374, 3-7=-75/472, 4-6=-1269/374

JOINT STRESS INDEX
1 = 0.64, 2 = 0.62, 3 = 0.88, 4 = 0.62, 5 = 0.64, 6 = 0.74, 7 = 0.83 and 8 = 0.74

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Bearing at joint(s) 8, 6 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 100 lb uplift at joint(s) except (jt=lb) 8=234, 6=234.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T9B	SPECIAL	2	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:51 2016 Page 1
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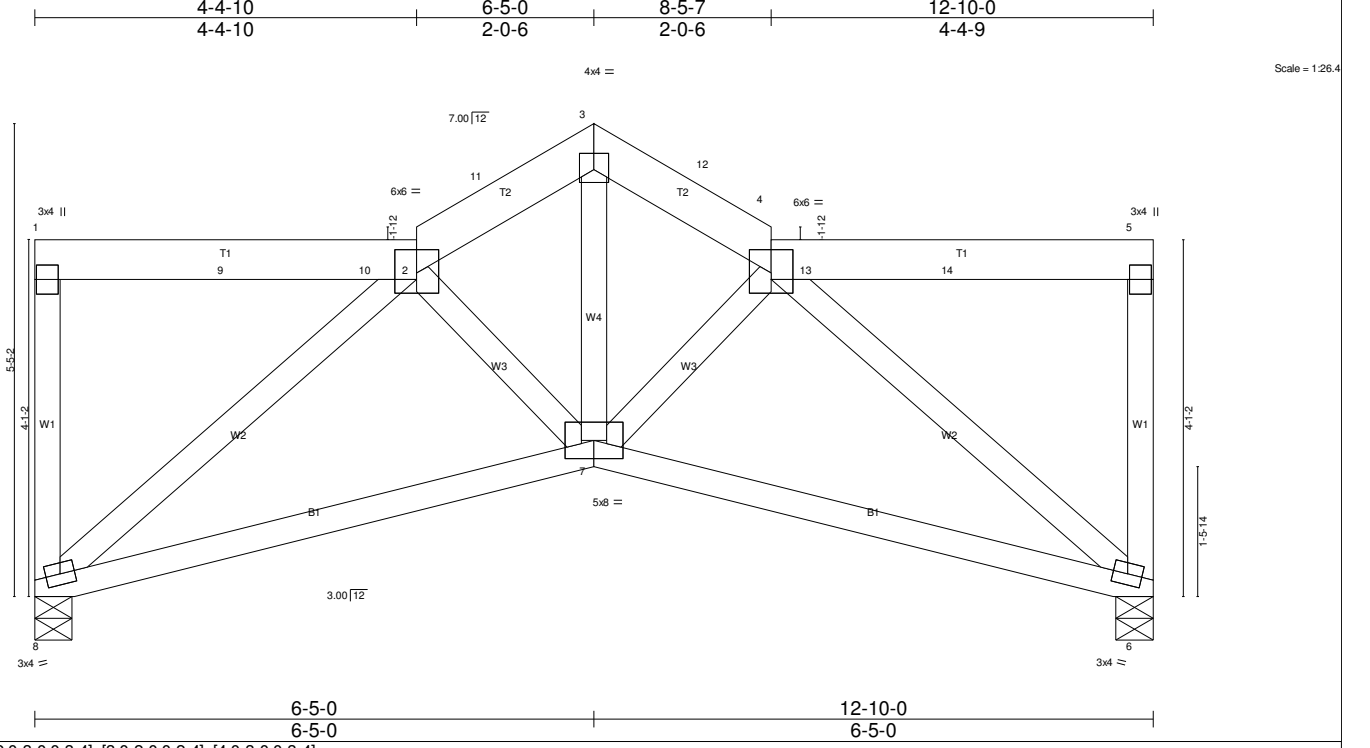

Plate Offsets (X,Y)-- [2:0-3-0,0-3-4], [3:0-2-0,0-2-4], [4:0-3-0,0-3-4]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.03	7	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.32	Vert(TL)	-0.08	7-8	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.04	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 70 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 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 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=715/0-5-2, 6=715/0-5-2
Max Horz 8=38(LC 8)
Max Uplift 8=-234(LC 9), 6=-234(LC 9)
Max Grav 8=881(LC 19), 6=881(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-337/94, 2-11=-915/267, 3-11=-802/276, 3-12=-802/276, 4-12=-915/267, 5-6=-337/94
BOT CHORD 7-8=-273/846, 6-7=-273/846
WEBS 2-8=-1024/345, 3-7=-208/869, 4-6=-1024/345

JOINT STRESS INDEX
1 = 0.90, 2 = 0.66, 3 = 0.60, 4 = 0.66, 5 = 0.90, 6 = 0.84, 7 = 0.83 and 8 = 0.84

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Bearing at joint(s) 8, 6 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 100 lb uplift at joint(s) except (jt=lb) 8=234, 6=234.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T9C	SPECIAL	2	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:51 2016 Page 1
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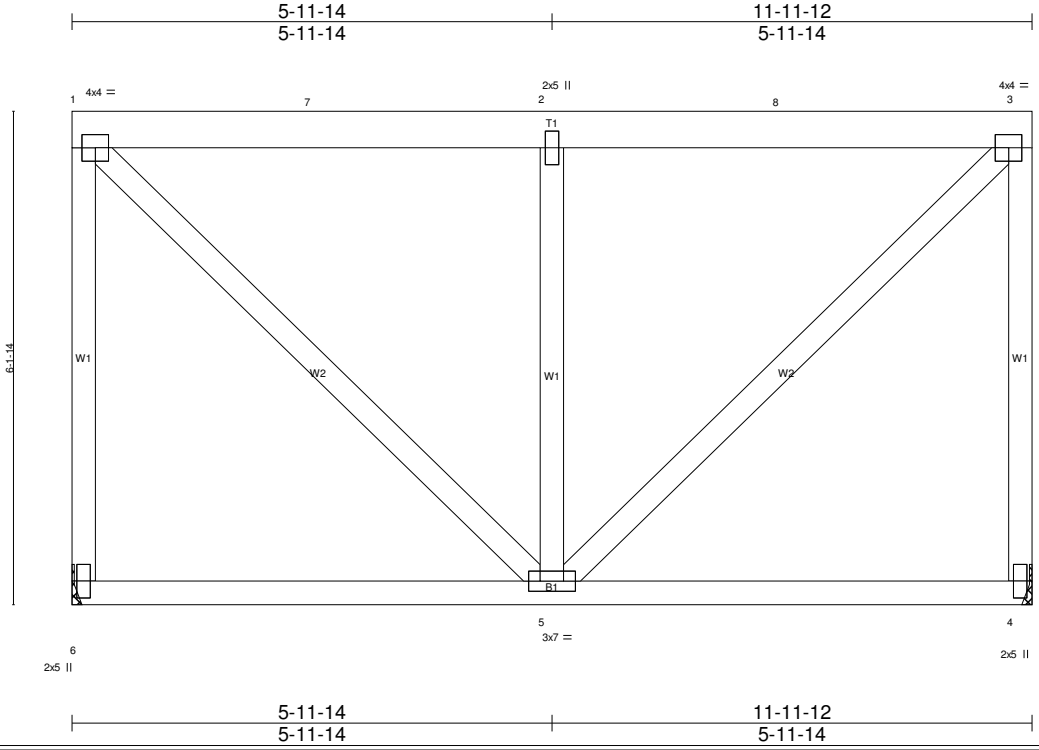

LOADING (psf)	**SPACING-** 2-0-0	**CSI.**	**DEFL.** in (loc) l/defl L/d	**PLATES** **GRIP**
TCLL 40.0	Plate Grip DOL 1.15	TC 0.49	Vert(LL) -0.02 5-6 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.23	Vert(TL) -0.06 5-6 >999 240	
TCDL 7.0	Rep Stress Incr YES	WB 0.44	Horz(TL) 0.00 4 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 71 lb FT = 4%
BCDL 10.0				

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

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

REACTIONS. (lb/size) 6=666/Mechanical, 4=666/Mechanical
Max Uplift6=-218(LC 5), 4=-218(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-608/240, 1-7=-404/133, 2-7=-404/133, 2-8=-404/133, 3-8=-404/133, 3-4=-608/240
WEBS 1-5=-183/540, 2-5=-641/330, 3-5=-183/540

JOINT STRESS INDEX
1 = 0.55, 2 = 0.22, 3 = 0.55, 4 = 0.81, 5 = 0.72 and 6 = 0.81

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Provide adequate drainage to prevent water ponding.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=218, 4=218.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T9D	SPECIAL	2	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:52 2016 Page 1
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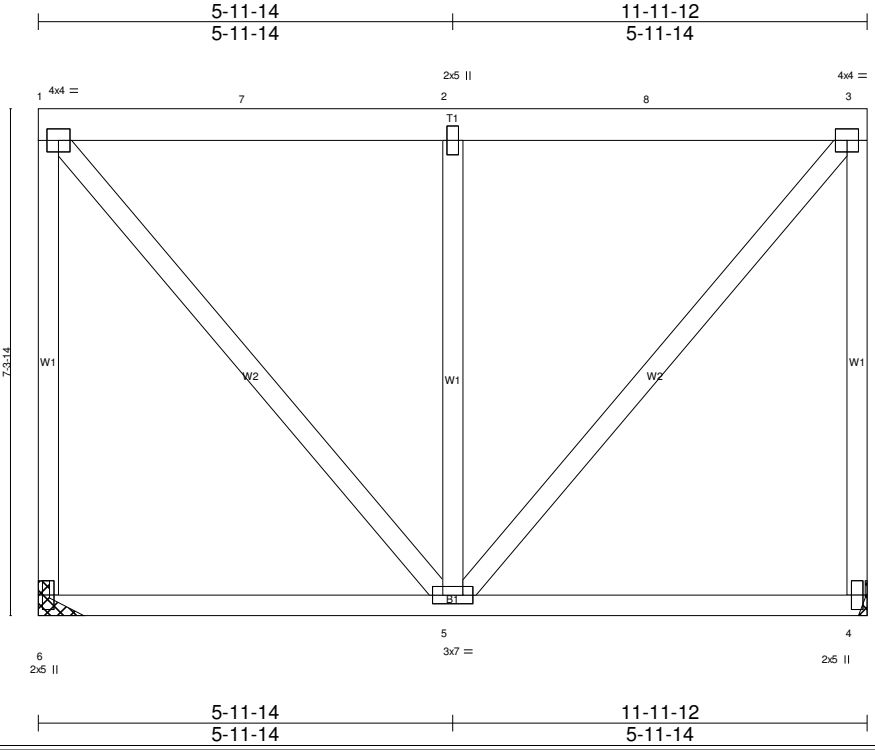

LOADING (psf)
TCLL 40.0
(Roof Snow=40.0)
TCDL 7.0
BCLL 0.0
BCDL 10.0

SPACING- 2-0-0
Plate Grip DOL 1.15
Lumber DOL 1.15
Rep Stress Incr YES
Code IBC2009/TPI2007

CSI.
TC 0.70
BC 0.24
WB 0.64
(Matrix)

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	-0.02	5-6	>999	360
Vert(TL)	-0.06	5-6	>999	240
Horz(TL)	0.00	4	n/a	n/a

PLATES MT20 **GRIP** 197/144

Weight: 77 lb FT = 4%

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

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

REACTIONS. (lb/size) 6=666/Mechanical, 4=666/Mechanical
Max Uplift6=-218(LC 5), 4=-218(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-610/240, 1-7=-337/111, 2-7=-337/111, 2-8=-337/111, 3-8=-337/111, 3-4=-610/240
WEBS 1-5=-169/500, 2-5=-645/331, 3-5=-169/500

JOINT STRESS INDEX
1 = 0.50, 2 = 0.22, 3 = 0.50, 4 = 0.74, 5 = 0.68 and 6 = 0.74

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Provide adequate drainage to prevent water ponding.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=218, 4=218.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T20	SPECIAL	2	1	Job Reference (optional)

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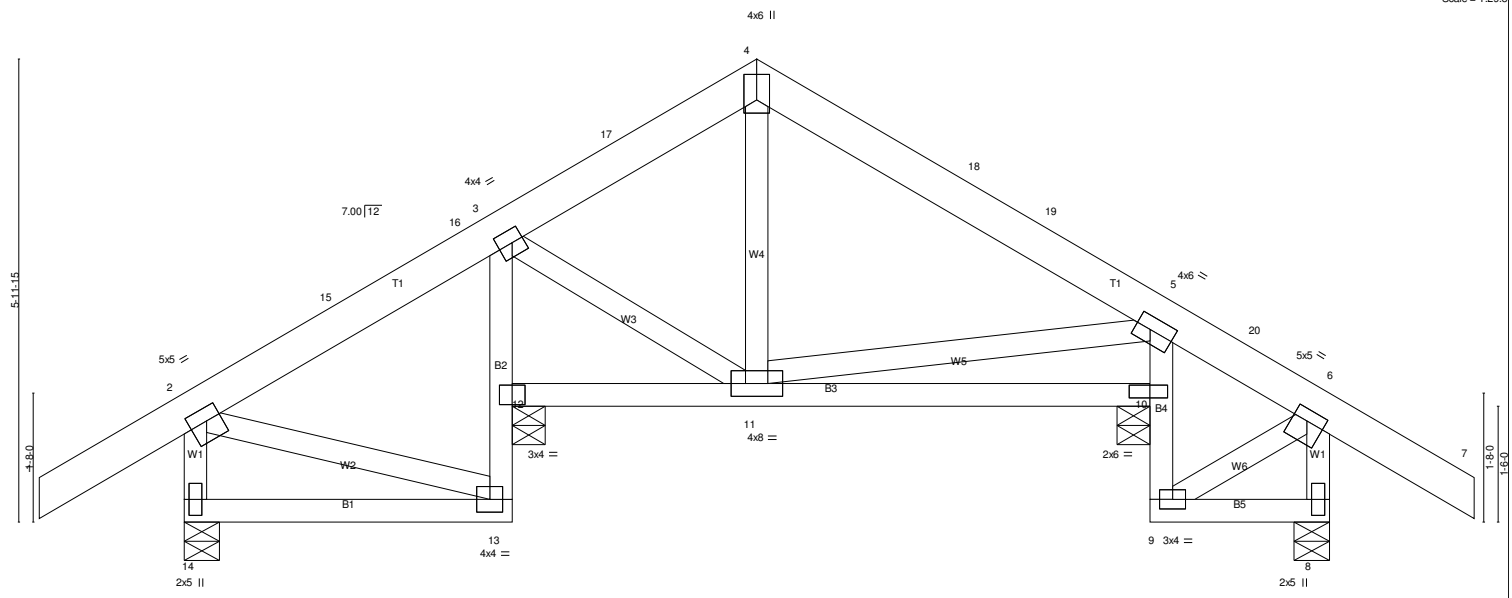
ID:pw6zydbH?moW8ODIJnULpHyjDeM-WOGnOS6s2_Mzv2_WOXqsuIlePitusbBJfjsw34znDKS

-1-10-8	4-3-0	7-5-0	12-6-2	14-10-0	16-8-8
1-10-8	4-3-0	3-2-0	5-1-2	2-3-14	1-10-8

Scale = 1:29.8



4-3-0	7-5-0	12-6-2	14-10-0
4-3-0	3-2-0	5-1-2	2-3-14

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

LOADING (psf)	**SPACING-** 2-0-0	**CSI.**	**DEFL.** in (loc) l/defl L/d	**PLATES** **GRIP**
TCLL 40.0	Plate Grip DOL 1.15	TC 0.63	Vert(LL) -0.01 10-11 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.79	Vert(TL) -0.03 10-11 >999 240	
TCDL 7.0	Rep Stress Incr NO	WB 0.29	Horz(TL) 0.01 8 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 86 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B2,B4: 2x4 SPF No.3
WEBS 2x4 SPF No.3

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

REACTIONS. All bearings 0-5-8 except (jt=length) 12=0-5-2, 10=0-5-2.
(lb) - Max Horz 14=-222(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 12, 10 except 14=-360(LC 9), 8=-340(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 14=1064(LC 13), 12=1422(LC 2), 10=1244(LC 3), 8=998(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/303, 2-15=-268/216, 3-17=-798/242, 4-17=-500/251, 4-18=-654/233, 18-19=-668/221, 5-19=-972/217, 6-7=0/303, 2-14=-1030/379, 6-8=-988/352
BOT CHORD 3-12=-1360/99, 10-11=-5/275, 5-10=-1227/139
WEBS 3-11=0/648, 4-11=-332/104, 5-11=-38/312

JOINT STRESS INDEX
2 = 0.79, 3 = 0.56, 4 = 0.80, 5 = 0.82, 6 = 0.87, 8 = 0.45, 9 = 0.14, 10 = 0.98, 11 = 0.45, 12 = 0.83, 13 = 0.51 and 14 = 0.60

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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 100 lb uplift at joint(s) 12, 10 except (jt=lb) 14=360, 8=340.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-218, 2-4=-218, 4-6=-218, 6-7=-218, 13-14=-20, 10-12=-20, 8-9=-20
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-218, 2-16=-218, 4-16=-251, 4-6=-162, 6-7=-162, 13-14=-20, 10-12=-20, 8-9=-20
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-162, 2-4=-162, 4-19=-251, 6-19=-218, 6-7=-218, 13-14=-20, 10-12=-20, 8-9=-20
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-298, 2-4=-138, 4-6=-138, 6-7=-298, 13-14=-20, 10-12=-20, 8-9=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T21	MONO HIP	1	1	Job Reference (optional)

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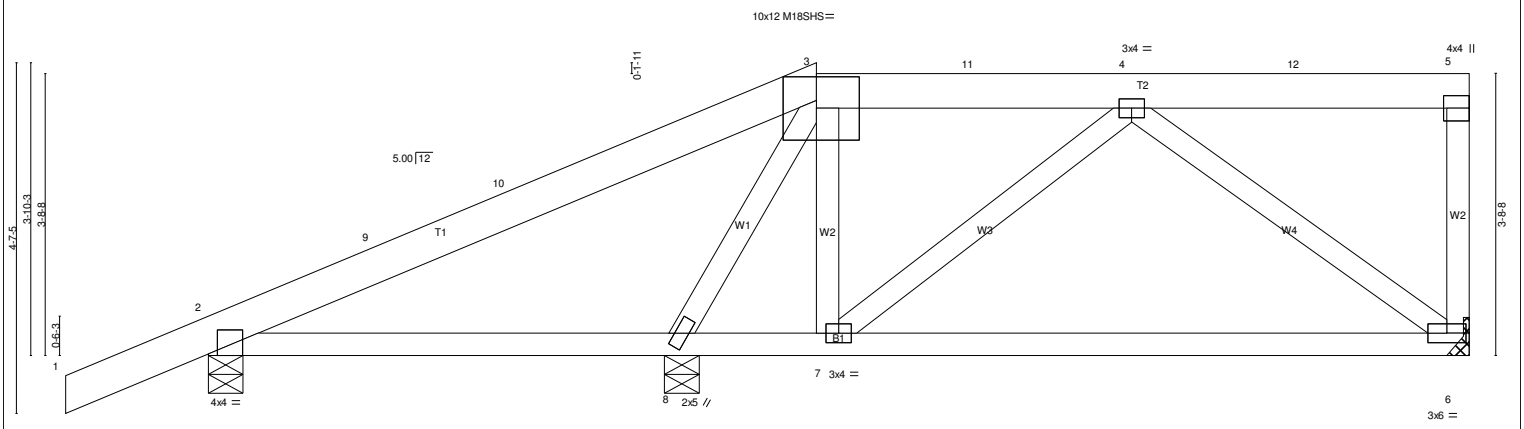
ID:pw6zydbH?moW8ODlJnULpHyjDeM-WOGnOS6s2_Mzv2_WOXqsuIlaEiy5sU_Jfjsw34znDKS

-1-10-8	8-0-0	12-1-12	16-7-0
1-10-8	8-0-0	4-1-12	4-5-4

Scale = 1:30.3



6-2-12	8-0-0	16-7-0
6-2-12	1-9-4	8-7-0

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.10	6-7	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.46	Vert(TL)	-0.25	6-7	>499	240	M18SHS	197/144
TCDL	7.0	Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.02	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 76 lb	FT = 4%
BCDL	10.0											

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

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

REACTIONS. (lb/size) 6=1099/Mechanical, 2=658/0-5-8, 8=1423/0-5-8
Max Horz 2=236(LC 9)
Max Uplift 6=-203(LC 9), 2=-251(LC 9), 8=-294(LC 9)
Max Grav 6=1353(LC 14), 2=988(LC 15), 8=1426(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-10=-87/351, 3-11=-665/167, 4-11=-672/167, 5-6=-569/95
BOT CHORD 7-8=-169/671, 6-7=-181/1031
WEBS 3-8=-1488/329, 3-7=0/397, 4-7=-485/98, 4-6=-1203/240

JOINT STRESS INDEX
2 = 0.87, 3 = 0.95, 4 = 0.54, 5 = 0.93, 6 = 0.93, 7 = 0.54 and 8 = 0.66

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=6ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
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 40.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=203, 2=251, 8=294.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-3=-161, 3=-161-to-5=-218

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T21A	MONO HIP	1	1	Job Reference (optional)

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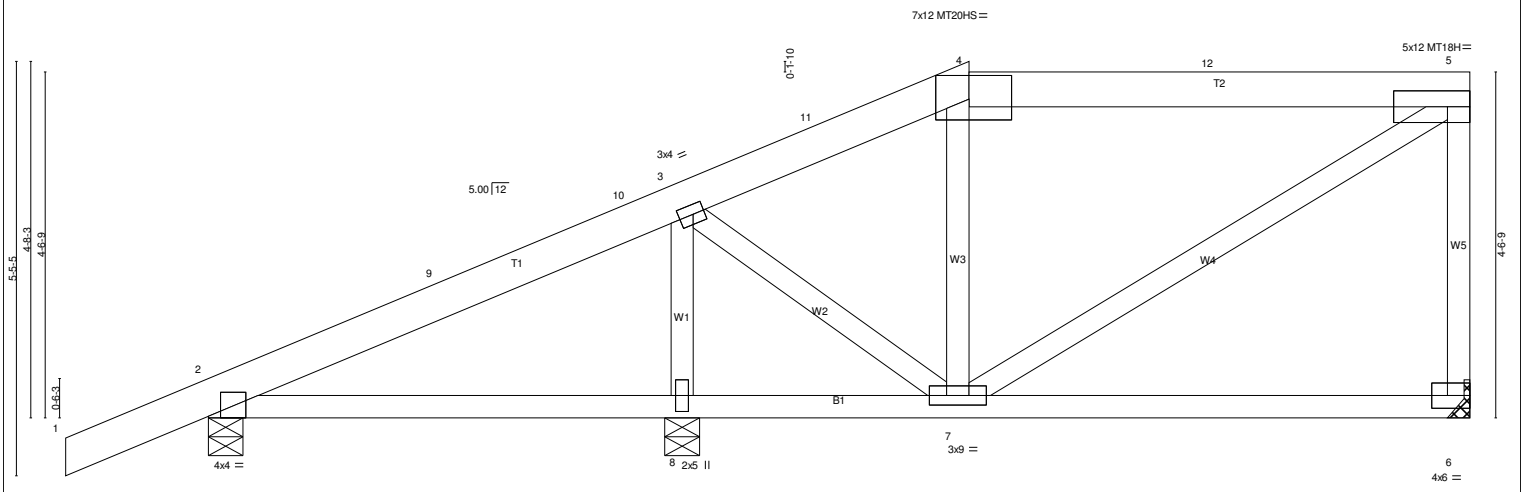
ID:pw6zydbH?moW8ODIJnULpHyjDeM-_aq9co7UpIUpXCZjyEL5QzqkX5Lxb0YSuNbUcWznDKR

-1-10-8 | 6-2-12 | 10-0-0 | 16-7-0
1-10-8 | 6-2-12 | 3-9-4 | 6-7-0

Scale = 1:30.3



6-2-12 | 10-0-0 | 16-7-0
6-2-12 | 3-9-4 | 6-7-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.05	6-7	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.29	Vert(TL)	-0.11	6-7	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	NO	WB	0.41	Horz(TL)	0.00	6	n/a	n/a	MT18H	197/144
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 79 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W5: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 6=1069/Mechanical, 2=627/0-5-8, 8=1484/0-5-8
Max Horz 2=283(LC 9)
Max Uplift6=-201(LC 9), 2=-222(LC 9), 8=-326(LC 9)
Max Grav 6=1282(LC 14), 2=922(LC 15), 8=1706(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-298/8, 3-11=-806/106, 4-11=-674/117, 4-12=-763/154, 5-12=-771/154, 5-6=-1199/230
WEBS 3-8=-1581/363, 3-7=-114/919, 4-7=-897/220, 5-7=-170/773

JOINT STRESS INDEX
2 = 0.63, 3 = 0.86, 4 = 1.00, 5 = 0.86, 6 = 0.96, 7 = 0.85 and 8 = 0.55

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
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 40.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=201, 2=222, 8=326.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1, 2, 3, 13, 14, 15 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-4=-174, 4=-174-to-5=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-10=-145, 10=-159-to-4=-189, 4=-118-to-5=-162
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20

Continued on page 2

LOAD CASE(S) Standard
Trapezoidal Loads (plf)
Vert: 1=-38-to-4=-118, 4=-198-to-5=-242
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-174-to-2=-188, 2=-28-to-4=-94, 4=-94-to-5=-138
14) 3rd Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-38-to-4=-118, 4=-230-to-5=-274
15) 4th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-150-to-4=-230, 4=-118-to-5=-162

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T21B	MONO HIP	1	1	Job Reference (optional)

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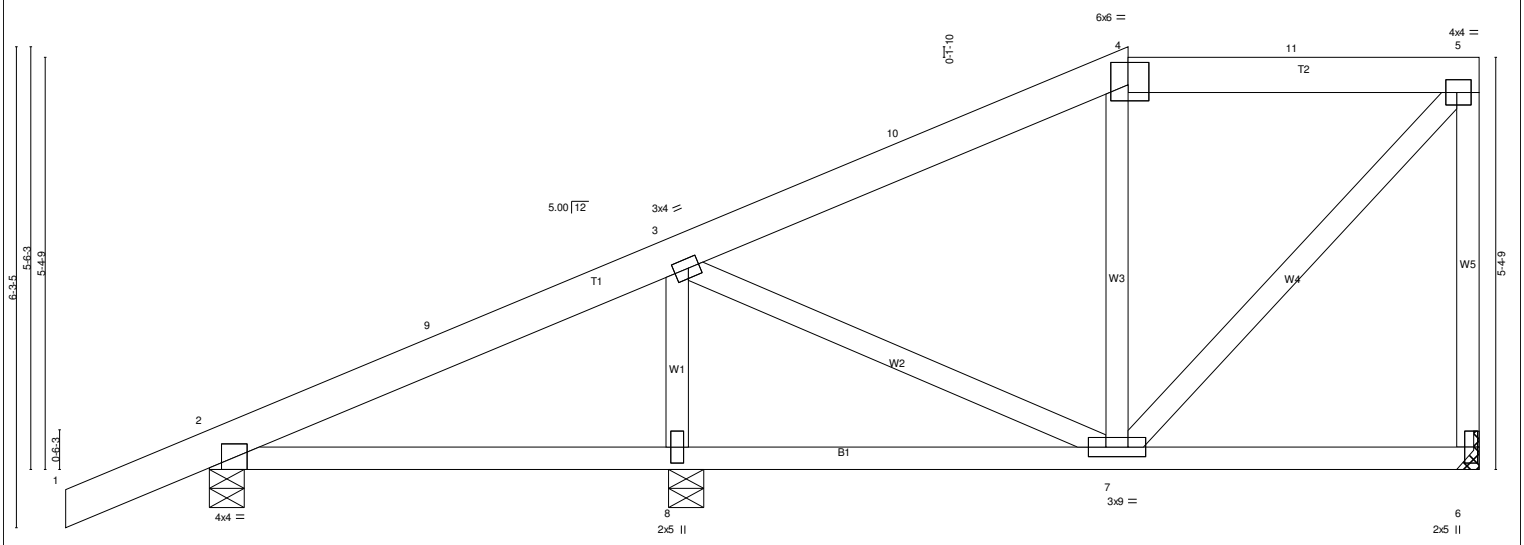
ID:pw6zydbH?moW8ODIJnULpHyjDeM-_aq9co7UpIUpXCZjyEL5Qzql95Mpb09SuNbUcWznDKR

-1-10-8	6-1-5	12-0-0	16-7-0
1-10-8	6-1-5	5-10-11	4-7-0

Scale = 1:30.1



6-2-12	12-0-0	16-7-0
6-2-12	5-9-4	4-7-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	0.03	2-8	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.23	Vert(TL)	-0.06	2-8	>999	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.43	Horz(TL)	0.00	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 82 lb	FT = 4%
BCDL	10.0											

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

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

REACTIONS. (lb/size) 6=1082/Mechanical, 2=619/0-5-8, 8=1480/0-5-8
Max Horz 2=330(LC 9)
Max Uplift 6=-214(LC 9), 2=-202(LC 9), 8=-333(LC 9)
Max Grav 6=1191(LC 14), 2=905(LC 15), 8=1830(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-354/4, 3-10=-914/78, 4-10=-659/87, 4-11=-629/142, 5-11=-636/141, 5-6=-1139/230
WEBS 3-8=-1693/392, 3-7=-60/554, 4-7=-795/234, 5-7=-205/913

JOINT STRESS INDEX
2 = 0.67, 3 = 0.88, 4 = 0.97, 5 = 0.75, 6 = 1.00, 7 = 0.92 and 8 = 0.59

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
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 40.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=214, 2=202, 8=333.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13, 14, 15 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-4=-188, 4=-188-to-5=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-10=-169, 10=-178-to-4=-197, 4=-132-to-5=-162
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-38-to-4=-132, 4=-214-to-5=-244

Continued on page 2

LOAD CASE(S) Standard

13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-174-to-2=-188, 2=-28-to-4=-108, 4=-108-to-5=-138

14) 3rd Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-38-to-4=-132, 4=-244-to-5=-274

15) 4th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-150-to-4=-244, 4=-132-to-5=-162

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T21C	MONO HIP	1	1	Job Reference (optional)

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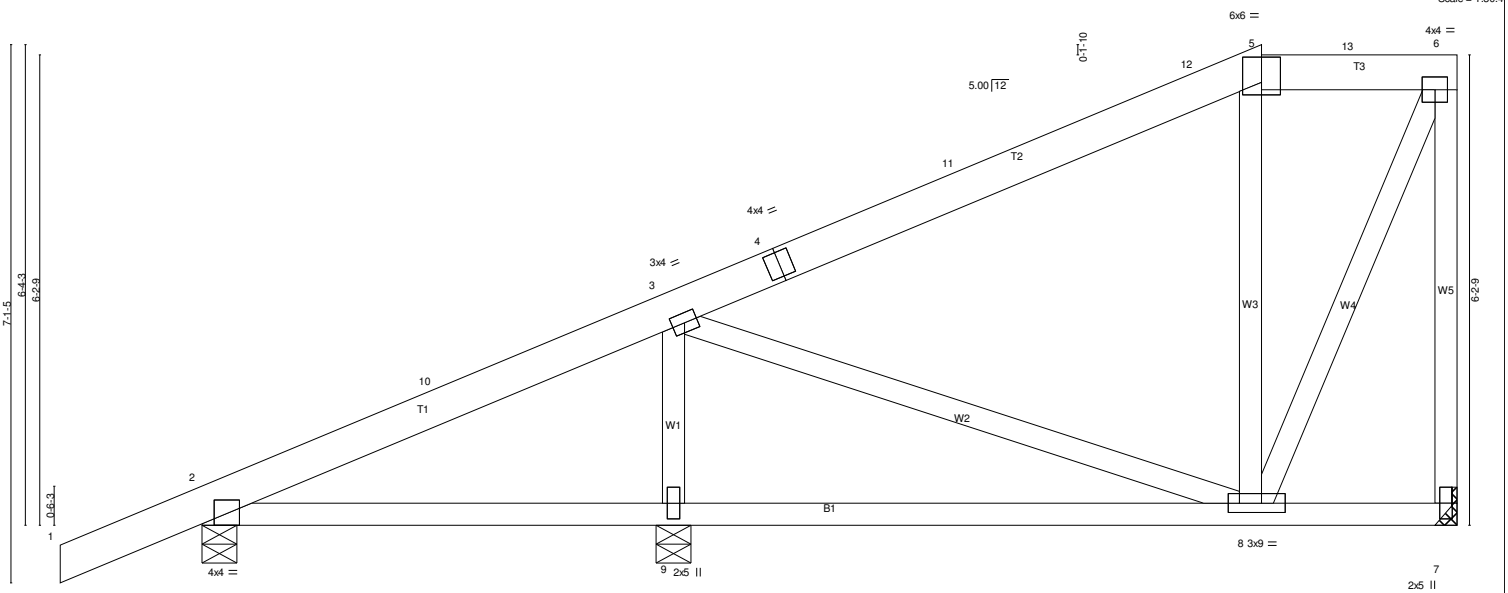
ID:H6gL9zcvl3wNmYoUsV?aLUyjDeL-SnNYp886abcg8L8vWysKzAN_pVfeKRJc71L18yznDKQ

-1-10-8	6-2-12	14-0-0	16-7-0
1-10-8	6-2-12	7-9-4	2-7-0

Scale = 1:30.4



6-2-12	14-0-0	16-7-0
6-2-12	7-9-4	2-7-0

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

LOADING (psf)	**SPACING-** 2-0-0	**CSI.**	**DEFL.** in (loc) l/defl L/d	**PLATES** **GRIP**
TCLL 40.0	Plate Grip DOL 1.15	TC 0.58	Vert(LL) -0.06 8-9 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.32	Vert(TL) -0.16 8-9 >776 240	
TCDL 7.0	Rep Stress Incr YES	WB 0.50	Horz(TL) 0.00 7 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 86 lb FT = 4%
BCDL 10.0				

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

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

REACTIONS. (lb/size) 7=547/Mechanical, 2=515/0-5-8, 9=984/0-5-8
Max Horz 2=376(LC 9)
Max Uplift 7=-219(LC 9), 2=-175(LC 9), 9=-355(LC 9)
Max Grav 7=578(LC 15), 2=797(LC 15), 9=1420(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-281/9, 3-4=-573/10, 4-11=-349/19, 11-12=-342/29, 5-13=-328/109, 6-13=-329/109, 6-7=-576/212
WEBS 3-9=-1269/429, 5-8=-707/320, 6-8=-266/827

JOINT STRESS INDEX
2 = 0.68, 3 = 0.76, 4 = 0.57, 5 = 0.99, 6 = 0.60, 7 = 0.31, 8 = 0.94 and 9 = 0.44

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
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 40.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=219, 2=175, 9=355.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

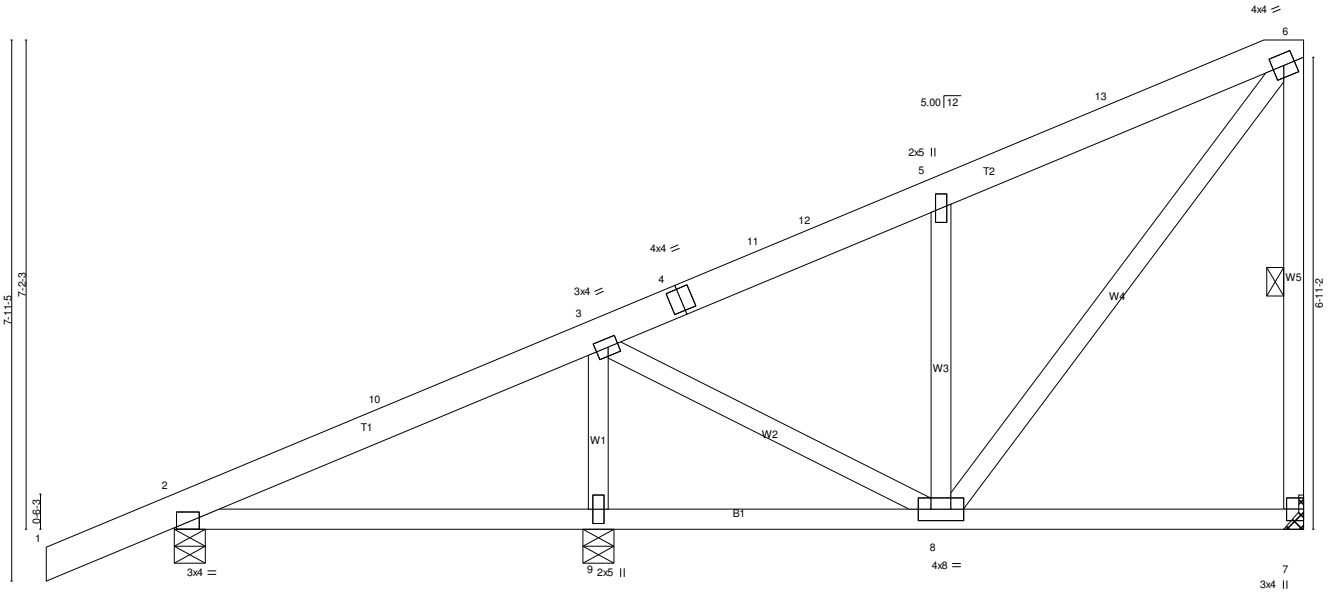
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T21D	MONO TRUSS	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:56 2016 Page 1
ID:H6gL9zcvl3wNmYoUsV?aLUyjDeL-wzxw1U9ILvkXmVj53fNZWOw7ov1f3sBILh4bgPznDKP

-1-10-8	6-2-12	11-3-2	16-7-0
1-10-8	6-2-12	5-0-6	5-3-14

Scale = 1:33.8



6-2-12	11-3-2	16-7-0
6-2-12	5-0-6	5-3-14

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.03	8	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.21	Vert(TL)	-0.06	2-9	>999	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.59	Horz(TL)	-0.00	7	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 86 lb	FT = 4%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-7

REACTIONS. (lb/size) 7=1035/Mechanical, 2=568/0-5-8, 9=1578/0-5-8
Max Horz 2=439(LC 9)
Max Uplift 7=-245(LC 9), 2=-154(LC 9), 9=-350(LC 9)
Max Grav 7=1234(LC 2), 2=580(LC 13), 9=1704(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-274/81, 3-10=-263/263, 3-4=-887/0, 4-11=-735/0, 11-12=-732/0, 5-12=-579/0, 5-13=-998/110, 6-13=-732/116, 6-7=-1170/265
WEBS 3-9=-1565/401, 3-8=-97/852, 5-8=-1202/308, 6-8=-253/1086

JOINT STRESS INDEX
2 = 0.83, 3 = 0.82, 4 = 0.66, 5 = 0.44, 6 = 0.94, 7 = 0.94, 8 = 0.81 and 9 = 0.55

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=245, 2=154, 9=350.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-6=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-12=-171, 12=-216-to-6=-263
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-20
Trapezoidal Loads (plf)
Vert: 1=-38-to-6=-162

Continued on page 2

LOAD CASE(S) Standard

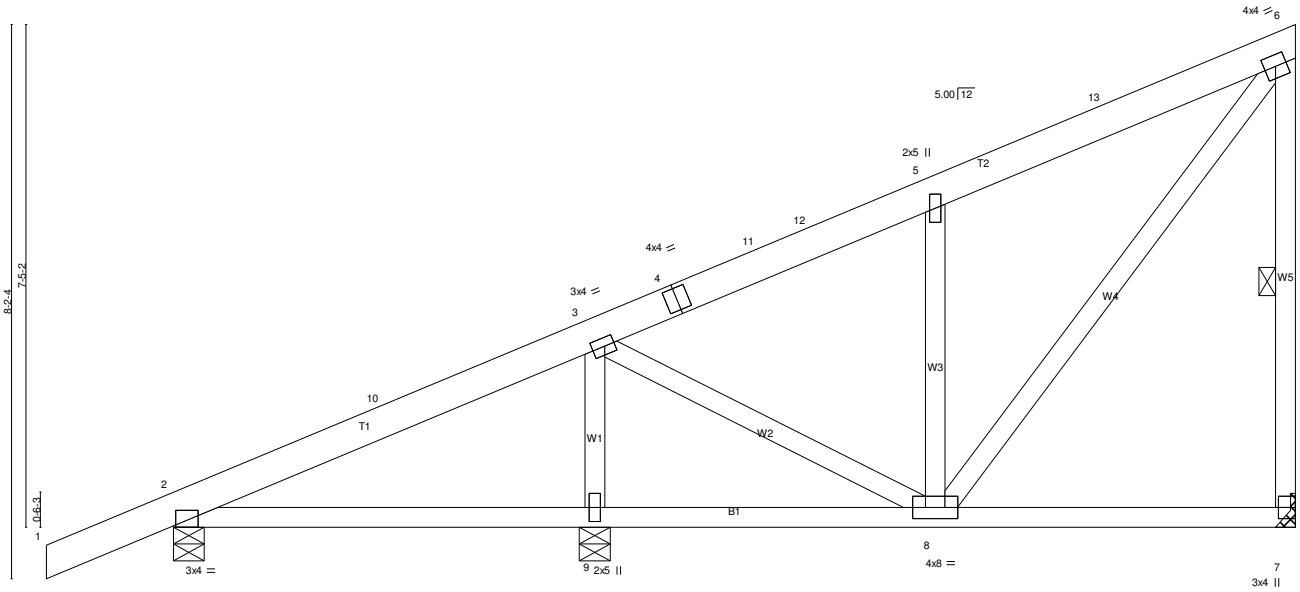
13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-20
Trapezoidal Loads (plf)
Vert: 1=-174-to-2=-188, 2=-28-to-6=-138

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T21E	MONO TRUSS	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:56 2016 Page 1
ID:H6gL9zcvl3wNmYoUsV?aLUyjDeL-wzxw1U9lLvkXmVj53fNZWOw7ov1f3sBlLh4bgPznDKP

-1-10-8	6-2-12	11-3-2	16-7-0
1-10-8	6-2-12	5-0-6	5-3-14

Scale = 1:34.1



6-2-12	11-3-2	16-7-0
6-2-12	5-0-6	5-3-14

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.75	Vert(LL)	-0.03	8	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.21	Vert(TL)	-0.06	2-9	>999	240		
TCDL	7.0	Rep Stress Incr	NO	WB	0.59	Horz(TL)	-0.00	7	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 86 lb	FT = 4%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-7

REACTIONS. (lb/size) 7=1035/Mechanical, 2=568/0-5-8, 9=1578/0-5-8
Max Horz 2=439(LC 9)
Max Uplift 7=-245(LC 9), 2=-154(LC 9), 9=-350(LC 9)
Max Grav 7=1234(LC 2), 2=580(LC 13), 9=1704(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-274/81, 3-10=-263/263, 3-4=-887/0, 4-11=-735/0, 11-12=-732/0, 5-12=-579/0, 5-13=-998/110, 6-13=-732/116, 6-7=-1170/265
WEBS 3-9=-1565/401, 3-8=-97/852, 5-8=-1202/308, 6-8=-253/1086

JOINT STRESS INDEX
2 = 0.83, 3 = 0.82, 4 = 0.66, 5 = 0.44, 6 = 0.94, 7 = 0.94, 8 = 0.81 and 9 = 0.55

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=245, 2=154, 9=350.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-6=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-12=-171, 12=-216-to-6=-263
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-20
Trapezoidal Loads (plf)
Vert: 1=-38-to-6=-162

Continued on page 2

LOAD CASE(S) Standard

13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-20
Trapezoidal Loads (plf)
Vert: 1=-174-to-2=-188, 2=-28-to-6=-138

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T33	COMMON	2	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:57 2016 Page 1
ID:nltX1WhAB2yn3vk3cv1827yiUPm-O9VIEp9N6DsOOfIHdNuo2bSMaJNYoQAvaLq8CrznDKO

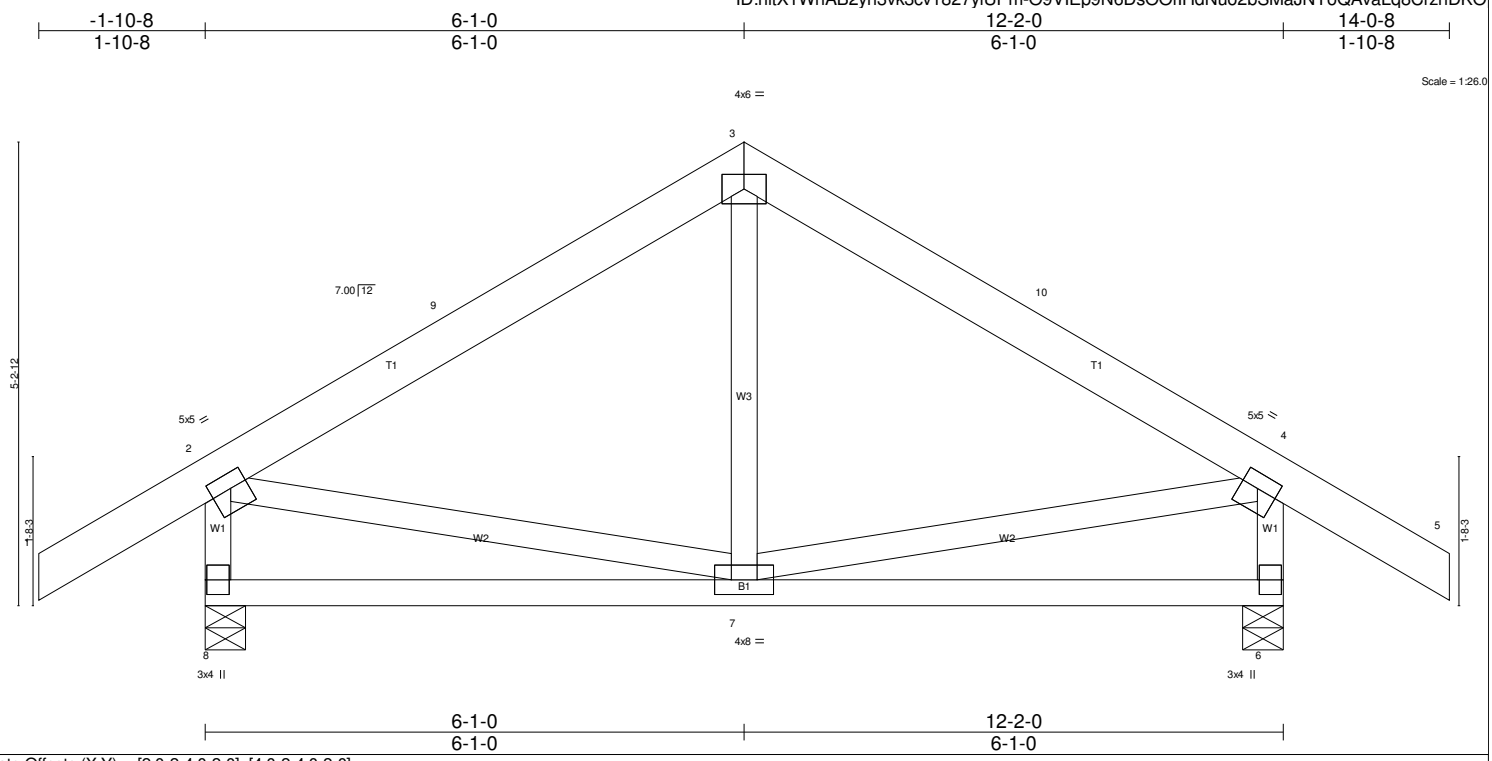


Plate Offsets (X,Y)-- [2:0-2-4,0-2-0], [4:0-2-4,0-2-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	-0.02	6-7	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.23	Vert(TL)	-0.05	6-7	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.16	Horz(TL)	0.00	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 68 lb	FT = 4%
BCDL	10.0											

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

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

REACTIONS. (lb/size) 8=867/0-5-8, 6=867/0-5-8
Max Horz 8=-200(LC 7)
Max Uplift8=-360(LC 9), 6=-360(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-655/217, 3-9=-515/230, 3-10=-515/230, 4-10=-655/217, 2-8=-806/388, 4-6=-806/388
WEBS 2-7=-50/359, 4-7=-58/359

JOINT STRESS INDEX
2 = 0.81, 3 = 1.00, 4 = 0.81, 6 = 0.83, 7 = 0.26 and 8 = 0.83

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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 100 lb uplift at joint(s) except (jt=lb) 8=360, 6=360.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

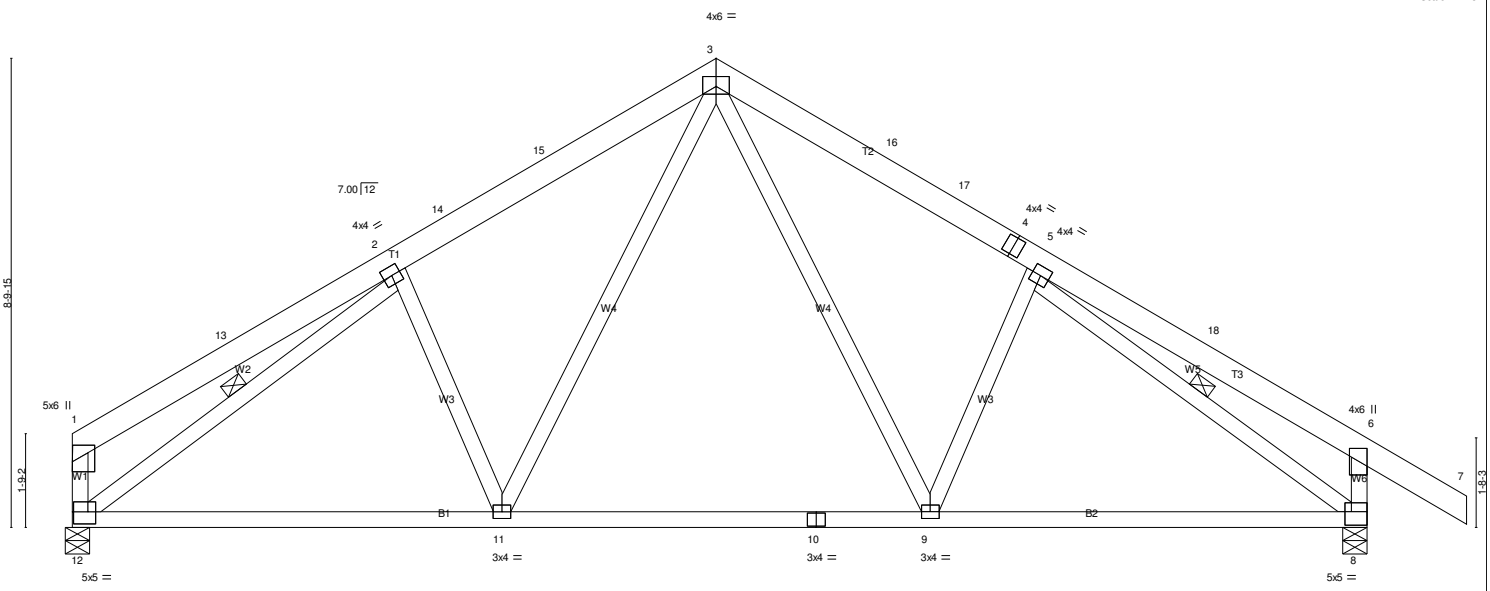
Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T34	COMMON	2	1	Job Reference (optional)

Universal Forest Products

ID:nltX1WhAB2yn3vk3cv1827yiUPm-O9VIEp9N6DsOOfIHdNuo2bSH6JI0oKevaLq8CrznDKO

6-1-10	12-1-6	18-1-2	24-4-6	26-2-14
6-1-10	5-11-12	5-11-12	6-3-4	1-10-8

Scale = 1:43.4



8-1-0	16-1-12	24-4-6
8-1-0	8-0-12	8-2-10

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

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.78	Vert(LL)	-0.08	9-11	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.52	Vert(TL)	-0.19	9-11	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.05	8	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 134 lb	FT = 4%
BCDL	10.0											

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-12, 5-8

REACTIONS. (lb/size) 12=1364/0-5-8, 8=1570/0-5-8
Max Horz 12=-299(LC 7)
Max Uplift12=-445(LC 9), 8=-590(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-437/195, 2-13=-297/208, 2-14=-1512/643, 14-15=-1376/653, 3-15=-1305/666, 3-16=-1365/663, 16-17=-1374/649, 4-17=-1486/639, 4-5=-1508/637, 6-18=-402/225, 1-12=-428/227, 6-8=-622/399
BOT CHORD 11-12=-247/1288, 10-11=-47/1001, 9-10=-47/1001, 8-9=-242/1283
WEBS 2-11=-369/290, 3-11=-203/548, 3-9=-199/525, 5-9=-343/284, 2-12=-1338/399, 5-8=-1375/366

JOINT STRESS INDEX
1 = 0.88, 2 = 0.60, 3 = 0.87, 4 = 0.73, 5 = 0.61, 6 = 0.94, 8 = 0.99, 9 = 0.55, 10 = 0.53, 11 = 0.55 and 12 = 0.92

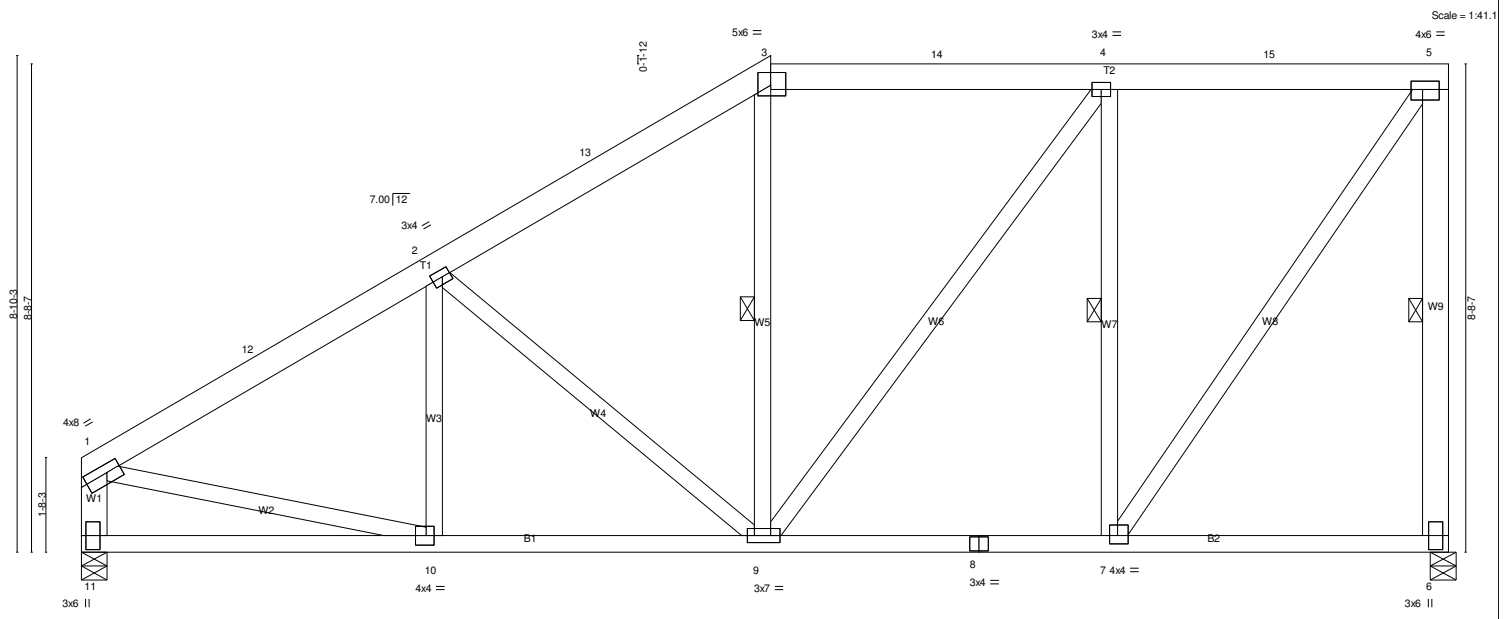
NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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 100 lb uplift at joint(s) except (jt=lb) 12=445, 8=590.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T34A	MONO HIP	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:58 2016 Page 1
ID:FyRvEshoyM4eg2JFAcYNbKyiUPl-tL3gR9A?tW_F?psUB4P1bp?YljfxXi22p?ZhlHznDKN

6-3-7	12-3-7	18-3-15	24-4-6
6-3-7	5-11-15	6-0-8	6-0-8



6-3-7	12-3-7	18-3-15	24-4-6
6-3-7	5-11-15	6-0-8	6-0-8

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

LOADING (psf)	**SPACING-** 2-0-0	**CSI.**	**DEFL.** in (loc) l/defl L/d	**PLATES** **GRIP**
TCLL 40.0	Plate Grip DOL 1.15	TC 0.43	Vert(LL) -0.07 9-10 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.48	Vert(TL) -0.12 9-10 >999 240	
TCDL 7.0	Rep Stress Incr YES	WB 0.89	Horz(TL) 0.03 6 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 152 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W9,W1: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-8-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-5-2 oc bracing.
WEBS 1 Row at midpt 5-6, 3-9, 4-7

REACTIONS. (lb/size) 6=1363/0-5-8, 11=1363/0-5-8
Max Horz 11=423(LC 8)
Max Uplift6=-476(LC 9), 11=-414(LC 9)
Max Grav 6=1781(LC 13), 11=1793(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-2137/504, 2-12=-1893/517, 2-13=-1491/494, 3-13=-1237/507, 3-14=-1071/522, 4-14=-1073/522, 4-15=-946/406, 5-15=-946/406, 5-6=-1715/513, 1-11=-1722/443
BOT CHORD 10-11=-427/400, 9-10=-493/1637, 8-9=-338/946, 7-8=-338/946
WEBS 2-9=-738/268, 4-9=-193/731, 4-7=-1191/435, 5-7=-436/1586, 1-10=-217/1270

JOINT STRESS INDEX
1 = 0.96, 2 = 0.60, 3 = 0.94, 4 = 0.70, 5 = 0.86, 6 = 0.91, 7 = 0.86, 8 = 0.56, 9 = 0.92, 10 = 0.68 and 11 = 0.93

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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 100 lb uplift at joint(s) except (jt=lb) 6=476, 11=414.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T34B	MONO HIP	1	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:59 2016 Page 1
ID:FyRvEshoyM4eg2JFAcYNbKyiUPl-LYd2fVBdeq76dzRgloxG70Ygh6?hG8oB2fJFHkznDKM

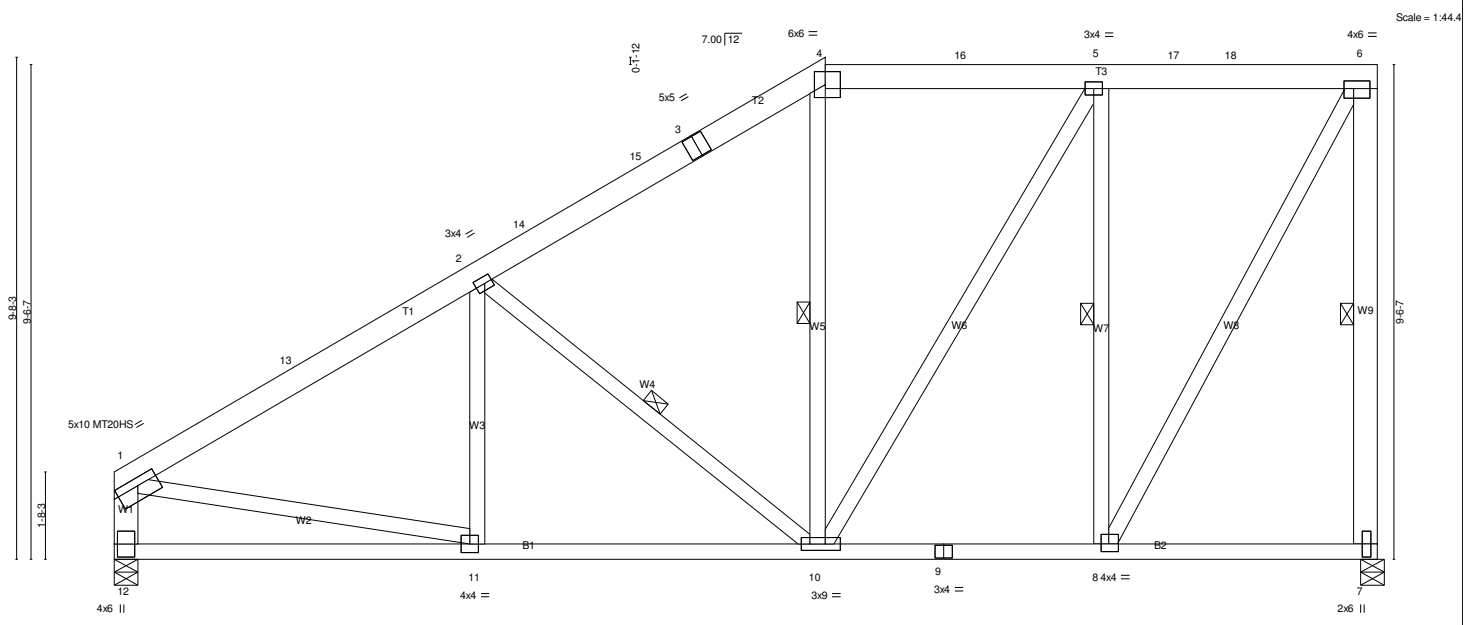


Plate Offsets (X,Y)-- [1:0-4-12,0-1-12], [2:0-1-12,0-1-8], [4:0-3-8,0-3-0], [6:0-2-4,0-1-12], [7:0-3-0,0-2-0], [8:0-1-12,0-1-12], [10:0-2-0,0-1-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.52	Vert(LL)	-0.08	10-11	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.51	Vert(TL)	-0.15	10-11	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	0.92	Horz(TL)	0.03	7	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 159 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W9,W1: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-5-2 oc bracing.
WEBS 1 Row at midpt 6-7, 2-10, 4-10, 5-8

REACTIONS. (lb/size) 7=1363/0-5-8, 12=1363/0-5-8
Max Horz 12=466(LC 8)
Max Uplift7=-483(LC 9), 12=-407(LC 9)
Max Grav7=1688(LC 13), 12=1874(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-2266/495, 2-13=-1993/510, 2-14=-1471/451, 14-15=-1200/462, 3-15=-1187/462, 3-4=-1131/477, 4-16=-1025/502, 5-16=-1026/502, 5-17=-729/373, 17-18=-729/373, 6-18=-729/373, 6-7=-1626/524, 1-12=-1798/439
BOT CHORD 11-12=-473/483, 10-11=-491/1725, 9-10=-301/729, 8-9=-301/729
WEBS 2-10=-904/327, 5-10=-248/901, 5-8=-1171/443, 6-8=-421/1443, 1-11=-175/1269

JOINT STRESS INDEX
1 = 0.92, 2 = 0.60, 3 = 0.87, 4 = 0.97, 5 = 0.88, 6 = 0.89, 7 = 1.00, 8 = 0.81, 9 = 0.42, 10 = 0.95, 11 = 0.81 and 12 = 0.84

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=483, 12=407.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

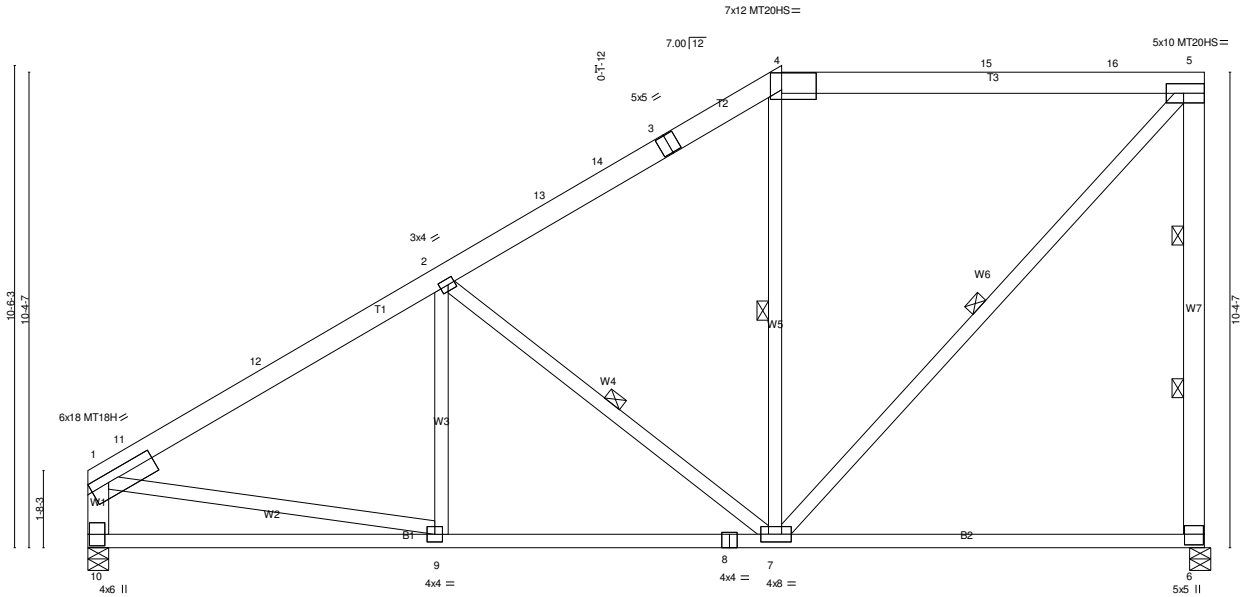
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T34C	MONO HIP	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:09:59 2016 Page 1
ID:FyRvEshoyM4eg2JFAcYNbKyiUPl-LYd2fVBdeq76dzRgloxG70YZM6z0GDVB2fJFHkznDKM

7-8-10	15-1-12	24-4-6
7-8-10	7-5-2	9-2-11

Scale = 1:50.3



7-8-10	15-1-12	24-4-6
7-8-10	7-5-2	9-2-11

Plate Offsets (X,Y)-- [1:0-5-0,0-2-4], [2:0-1-12,0-1-8], [4:0-9-0,0-4-8], [5:Edge,0-2-8], [6:0-2-12,0-2-8], [7:0-2-0,0-2-0], [10:0-3-0,0-0-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.99	Vert(LL)	-0.13	6-7	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.62	Vert(TL)	-0.33	6-7	>879	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.03	6	n/a	n/a	MT18H	197/144
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 146 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W7,W1: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-13 oc bracing.
WEBS 1 Row at midpt 2-7, 4-7, 5-7
2 Rows at 1/3 pts 5-6

REACTIONS. (lb/size) 6=1363/0-5-8, 10=1363/0-5-8
Max Horz 10=509(LC 8)
Max Uplift6=-490(LC 9), 10=-400(LC 9)
Max Grav6=1584(LC 13), 10=1921(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2358/465, 11-12=-2340/480, 2-12=-2069/496, 2-13=-1433/413, 13-14=-1134/426, 3-14=-1118/426, 3-4=-1036/442, 4-15=-968/487, 15-16=-969/487, 5-16=-970/486, 5-6=-1481/543, 1-10=-1836/436
BOT CHORD 9-10=-531/576, 8-9=-480/1792, 7-8=-480/1792
WEBS 2-7=-1054/373, 4-7=-523/298, 5-7=-434/1398, 1-9=-121/1237

JOINT STRESS INDEX
1 = 0.90, 2 = 0.60, 3 = 0.94, 4 = 0.93, 5 = 0.91, 6 = 0.90, 7 = 0.92, 8 = 0.76, 9 = 0.78 and 10 = 0.95

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=490, 10=400.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

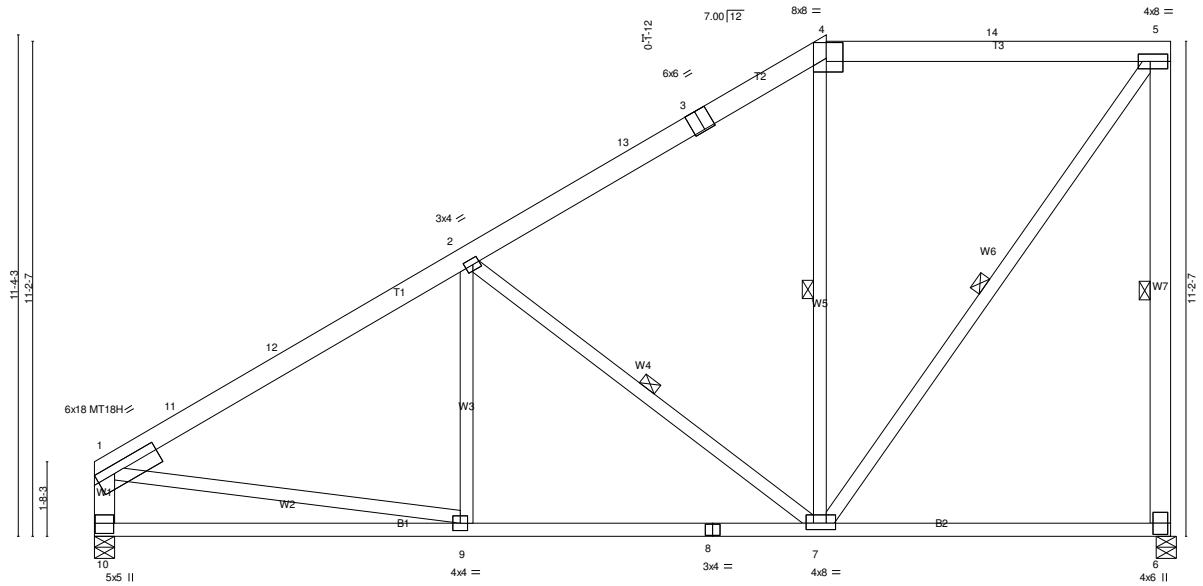
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T34D	MONO HIP	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:10:00 2016 Page 1
ID:3qGlw5ZuYziCsMz80osoe0yiUPw-pkBRsrCFP8FzF70sIVSVgE4nFWJP?fZLGJ2opAznDKL

8-5-3	16-6-14	24-4-6
8-5-3	8-1-11	7-9-8

Scale = 1:52.2



8-5-3	16-6-14	24-4-6
8-5-3	8-1-11	7-9-8

Plate Offsets (X,Y)-- [1:0-5-0,0-2-4], [2:0-1-12,0-1-8], [3:0-3-0,Edge], [4:0-4-8,0-4-4], [5:0-3-4,0-2-0], [7:0-2-0,0-1-12], [10:0-2-12,0-2-8]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.79	Vert(LL)	-0.09	7-9	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.61	Vert(TL)	-0.19	7-9	>999	240	MT18H	197/144
TCDL	7.0	Rep Stress Incr	YES	WB	0.69	Horz(TL)	0.04	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 151 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W7,W1: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-8-15 oc bracing.
WEBS 1 Row at midpt 5-6, 2-7, 4-7, 5-7

REACTIONS. (lb/size) 6=1363/0-5-8, 10=1363/0-5-8
Max Horz 10=552(LC 8)
Max Uplift6=-498(LC 9), 10=-392(LC 9)
Max Grav6=1470(LC 13), 10=1891(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-2388/451, 11-12=-2123/464, 2-12=-2117/482, 2-13=-1358/385, 3-13=-1009/387, 3-4=-935/404, 4-14=-875/457, 5-14=-877/456, 5-6=-1386/549, 1-10=-1802/431
BOT CHORD 9-10=-575/625, 8-9=-476/1834, 7-8=-476/1834
WEBS 2-9=-55/258, 2-7=-1217/437, 4-7=-474/303, 5-7=-435/1490, 1-9=-74/1227

JOINT STRESS INDEX
1 = 0.97, 2 = 0.60, 3 = 0.81, 4 = 0.98, 5 = 0.98, 6 = 0.81, 7 = 0.89, 8 = 0.88, 9 = 0.76 and 10 = 0.76

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=498, 10=392.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T35	MONO TRUSS	3	1	Job Reference (optional)

Universal Forest Products — 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:10:00 2016 Page 1
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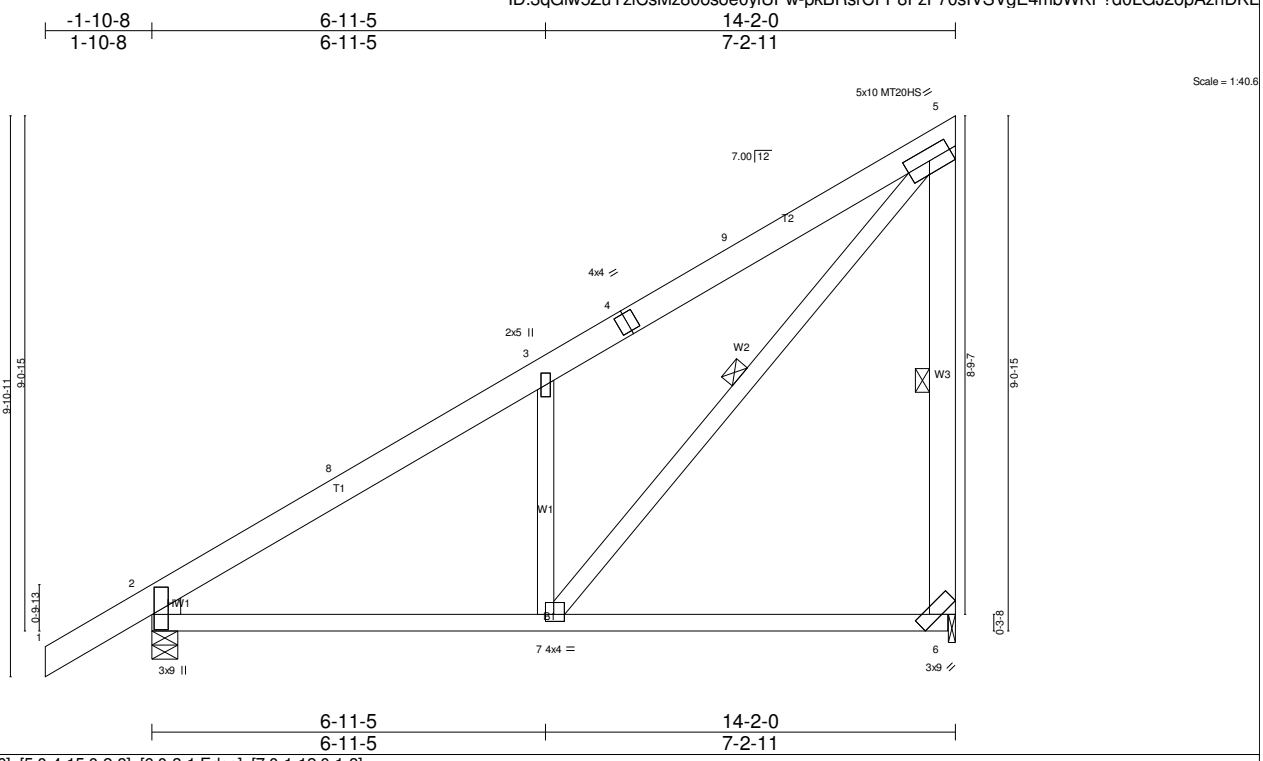

Plate Offsets (X,Y)-- [2:0-3-4,0-0-6], [5:0-4-15,0-2-8], [6:0-3-1,Edge], [7:0-1-12,0-1-8]

LOADING (psf)		**SPACING-** 2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL 1.15	TC	0.89	Vert(LL)	-0.08	2-7	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL 1.15	BC	0.55	Vert(TL)	-0.13	2-7	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr NO	WB	0.79	Horz(TL)	0.02	6	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007	(Matrix)							Weight: 82 lb	FT = 4%
BCDL	10.0										

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W3: 2x6 SPF No.2
WEDGE
Left: 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-8-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-6, 5-7

REACTIONS. (lb/size) 2=1371/0-5-8, 6=1370/0-1-8
Max Horz 2=455(LC 6)
Max Uplift2=-354(LC 9), 6=-302(LC 9)
Max Grav 2=1426(LC 2), 6=1584(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-1651/163, 3-8=-1203/179, 3-4=-1807/421, 4-9=-1445/433, 5-9=-1415/448, 5-6=-1498/342
BOT CHORD 2-7=-250/1222
WEBS 3-7=-1265/452, 5-7=-507/1793

JOINT STRESS INDEX
2 = 0.99, 2 = 0.00, 3 = 0.58, 4 = 0.74, 5 = 0.92, 6 = 0.70 and 7 = 0.86

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Bearing at joint(s) 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=354, 6=302.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-5=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-4=-174, 4=-223-to-5=-266

Continued on page 2

LOAD CASE(S) Standard

3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 2-6=-20
   Trapezoidal Loads (plf)
      Vert: 1=-38-to-5=-162

13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
      Vert: 2-6=-20
   Trapezoidal Loads (plf)
      Vert: 1=-174-to-2=-190, 2=-30-to-5=-138

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T36	MONO TRUSS	5	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:10:01 2016 Page 1
ID:3qGlw5ZuYziCsMz80osoe0yiUPw-Hwlp4BDtARNqsGb3sDzkDRdy5wj7kGeUVzoMLcznDKK

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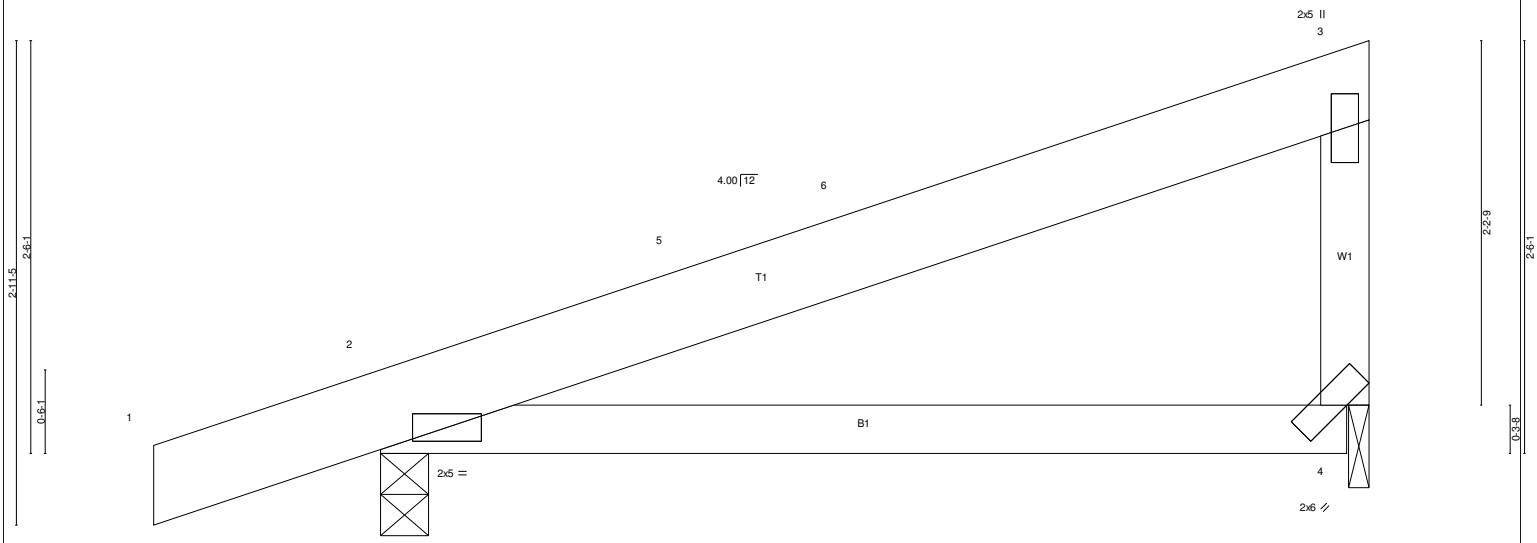

Plate Offsets (X,Y)-- [4:0-2-6,0-0-11]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.78	Vert(LL) -0.06 2-4 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.38	Vert(TL) -0.16 2-4 >430 240	
TCDL 7.0	Rep Stress Incr NO	WB 0.00	Horz(TL) -0.00 4 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 23 lb FT = 4%
BCDL 10.0				

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

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

REACTIONS. (lb/size) 2=677/0-3-8, 4=565/0-1-8
Max Horz 2=114(LC 6)
Max Uplift 2=-218(LC 9), 4=-100(LC 9)
Max Grav 2=702(LC 2), 4=616(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-559/128

JOINT STRESS INDEX
2 = 0.60, 3 = 0.63 and 4 = 0.08

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
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 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Bearing at joint(s) 4 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=218.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Load case(s) 1, 2, 3, 13 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-3=-218
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-5=-152, 5=-172-to-3=-238
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20
Trapezoidal Loads (plf)
Vert: 1=-38-to-3=-162

Continued on page 2

LOAD CASE(S) Standard

13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-4=-20
Trapezoidal Loads (plf)
Vert: 1=-174-to-2=-200, 2=-40-to-3=-138

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T37	SPECIAL	1	1	Job Reference (optional)

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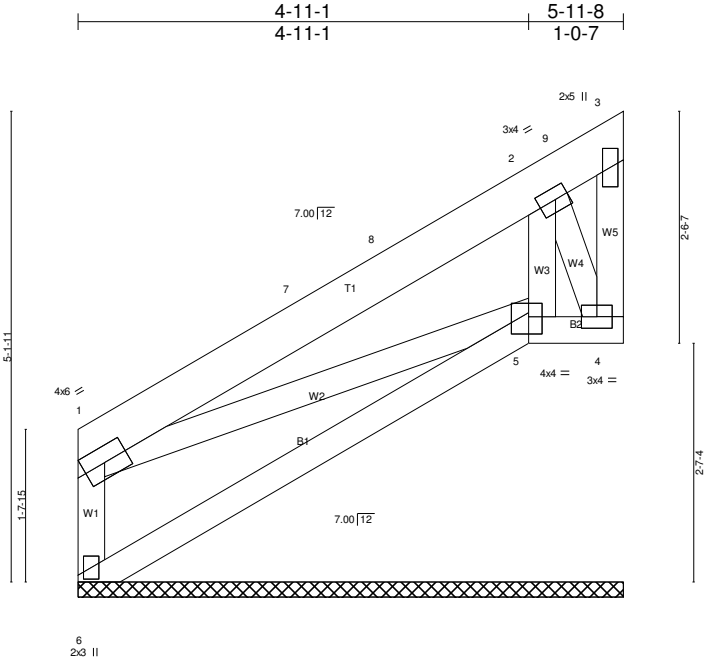

Plate Offsets (X,Y)-- [2:0-1-12,0-1-8], [5:0-1-12,0-2-4]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.26	Vert(LL) n/a - n/a 999	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.24	Vert(TL) n/a - n/a 999	
TCDL 7.0	Rep Stress Incr YES	WB 0.09	Horz(TL) -0.00 4 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 33 lb FT = 4%
BCDL 10.0				

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=252/5-11-8, 4=-56/5-11-8, 5=449/5-11-8
Max Horz 6=181(LC 6)
Max Uplift 6=-14(LC 9), 4=-131(LC 14), 5=-182(LC 9)
Max Grav 6=376(LC 13), 4=290(LC 16), 5=484(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-329/119, 3-4=-245/333
WEBS 2-5=-410/150, 2-4=-245/254

JOINT STRESS INDEX
1 = 0.18, 2 = 0.22, 3 = 0.45, 4 = 0.31, 5 = 0.44 and 6 = 0.28

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Bearing at joint(s) 6, 5 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 100 lb uplift at joint(s) 6 except (jt=lb) 4=131, 5=182.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4, 5.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T38	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:10:02 2016 Page 1
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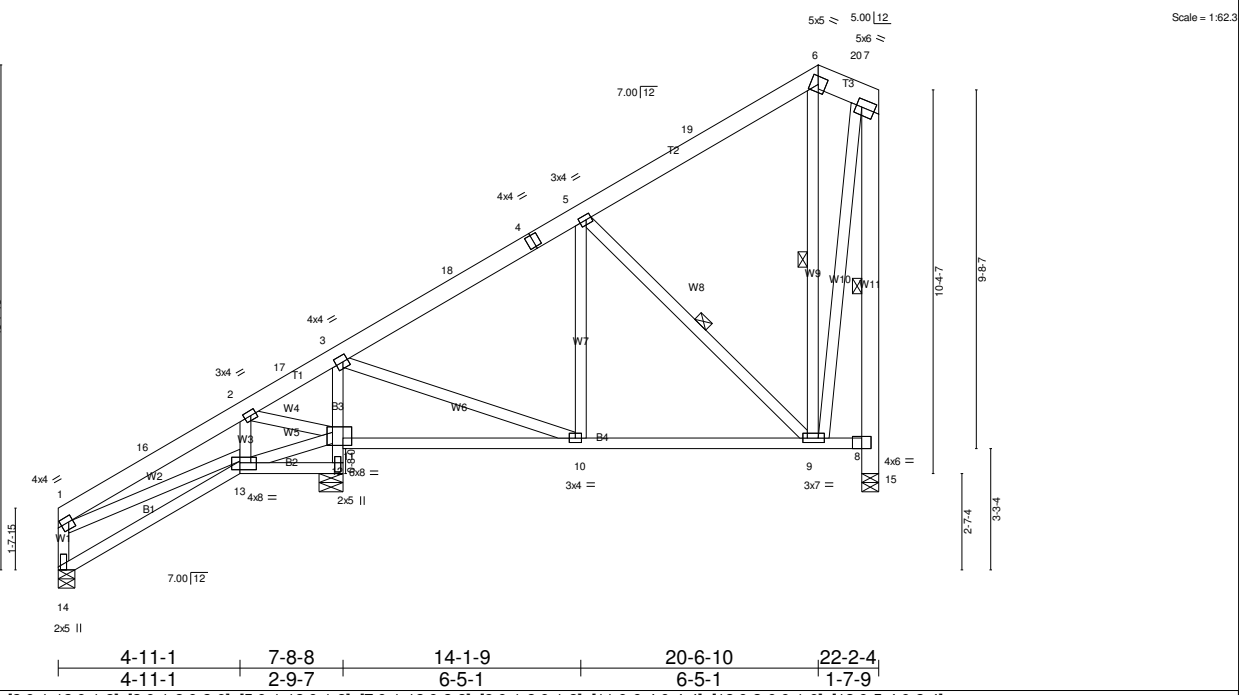

Plate Offsets (X,Y)-- [1:0-1-4,0-1-12], [2:0-1-12,0-1-8], [3:0-1-8,0-2-0], [5:0-1-12,0-1-8], [7:0-1-12,0-2-8], [9:0-1-8,0-1-8], [11:0-6-4,0-4-4], [12:0-3-0,0-1-0], [13:0-5-4,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.15	TC	0.38	Vert(LL)	-0.03	9-10	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.35	Vert(TL)	-0.08	9-10	>999	240		
TCDL	7.0	Rep Stress Incr	YES	WB	0.41	Horz(TL)	-0.02	15	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 154 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2 *Except*
T3: 2x8 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B3: 2x4 SPF No.3
WEBS 2x4 SPF No.3 *Except*
W11: 2x6 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 4-7-2 oc bracing.
WEBS 1 Row at midpt 5-9, 6-9, 7-15

REACTIONS. (lb/size) 14=350/0-5-8, 12=1354/0-7-13, 15=783/0-5-8
Max Horz 14=594(LC 6)
Max Uplift14=-86(LC 7), 12=-560(LC 9), 15=-302(LC 9)
Max Grav 14=397(LC 13), 12=1354(LC 1), 15=783(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-371/169, 1-16=-477/89, 2-16=-360/100, 2-17=-343/228, 3-17=-334/238, 3-18=-720/158, 4-18=-565/158, 4-5=-440/172, 5-19=-312/160, 6-20=-238/270, 7-20=-240/266, 8-15=-783/302, 7-8=-741/370
BOT CHORD 13-14=-664/406, 11-12=-1326/559, 3-11=-1027/418, 9-10=-236/493
WEBS 11-13=-390/333, 2-11=-461/341, 3-10=-107/610, 5-9=-514/305, 6-9=-292/350, 7-9=-229/707

JOINT STRESS INDEX
1 = 0.76, 2 = 0.60, 3 = 0.71, 4 = 0.47, 5 = 0.60, 6 = 0.87, 7 = 0.86, 8 = 0.95, 9 = 0.95, 10 = 0.54, 11 = 0.93, 12 = 0.55, 13 = 0.72 and 14 = 0.73

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Bearing at joint(s) 14, 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 12=560, 15=302.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T39	SPECIAL	1	1	Job Reference (optional)

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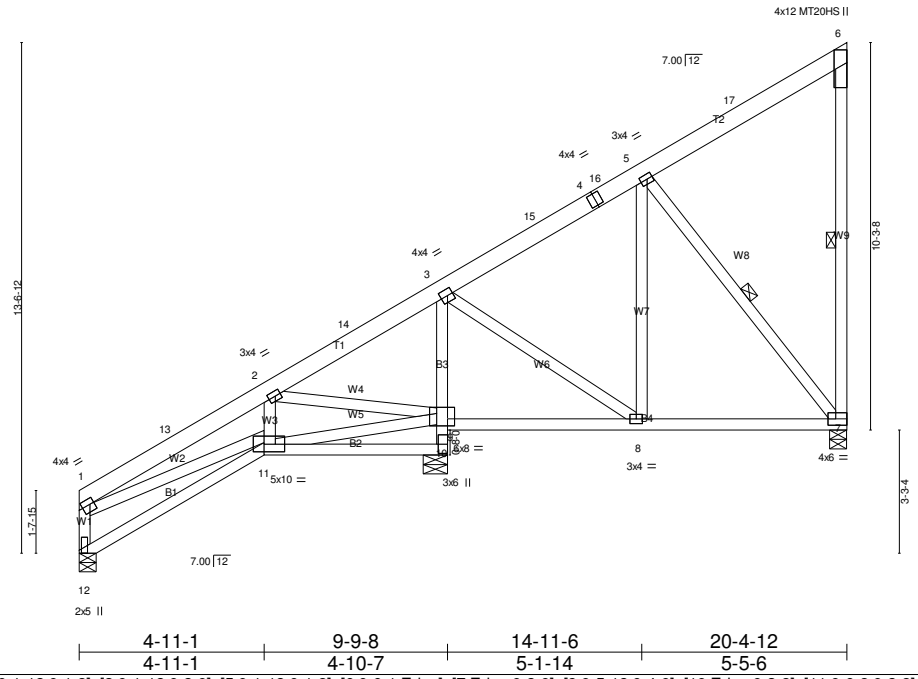
ID:Y1q78RaWJHq3UWYKaWN1BDyiUPv-DJsZVtE8h3dY6aIR_d?CIsiHbkOLC58nyHHSQVznDKI

4-11-1	9-9-8	14-11-6	20-4-12
4-11-1	4-10-7	5-1-14	5-5-6

Scale = 1:61.2



4-11-1	9-9-8	14-11-6	20-4-12
4-11-1	4-10-7	5-1-14	5-5-6

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

LOADING (psf)		**SPACING-** 2-0-0		**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.84	Vert(LL)	-0.07	7-8	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.33	Vert(TL)	-0.05	7-8	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.02	10	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 124 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B3: 2x4 SPF No.3
WEBS 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-3-13 oc bracing.
WEBS 1 Row at midpt 6-7, 5-7

REACTIONS. (lb/size) 12=421/0-5-8, 7=497/0-5-8, 10=1375/0-7-13
Max Horz 12=600(LC 6)
Max Uplift 12=-45(LC 11), 7=-203(LC 9), 10=-585(LC 9)
Max Grav 12=426(LC 2), 7=749(LC 2), 10=1467(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-436/200, 1-13=-763/205, 2-13=-646/216, 2-14=-426/310, 3-14=-408/425, 3-15=-455/105, 4-15=-298/106, 4-16=-297/111, 5-16=-295/116, 6-7=-336/107
BOT CHORD 11-12=-676/393, 9-10=-1411/600, 3-9=-1141/484, 8-9=-264/134, 7-8=-177/296
WEBS 1-11=-46/459, 9-11=-494/519, 2-9=-812/560, 3-8=-130/657, 5-8=-255/148, 5-7=-462/206

JOINT STRESS INDEX
1 = 0.80, 2 = 0.60, 3 = 0.48, 4 = 0.49, 5 = 0.60, 6 = 0.84, 7 = 0.76, 8 = 0.58, 9 = 0.82, 10 = 0.89, 11 = 0.75 and 12 = 0.79

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Bearing at joint(s) 12 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 100 lb uplift at joint(s) 12 except (jt=lb) 7=203, 10=585.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T40	SPECIAL	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:10:03 2016 Page 1
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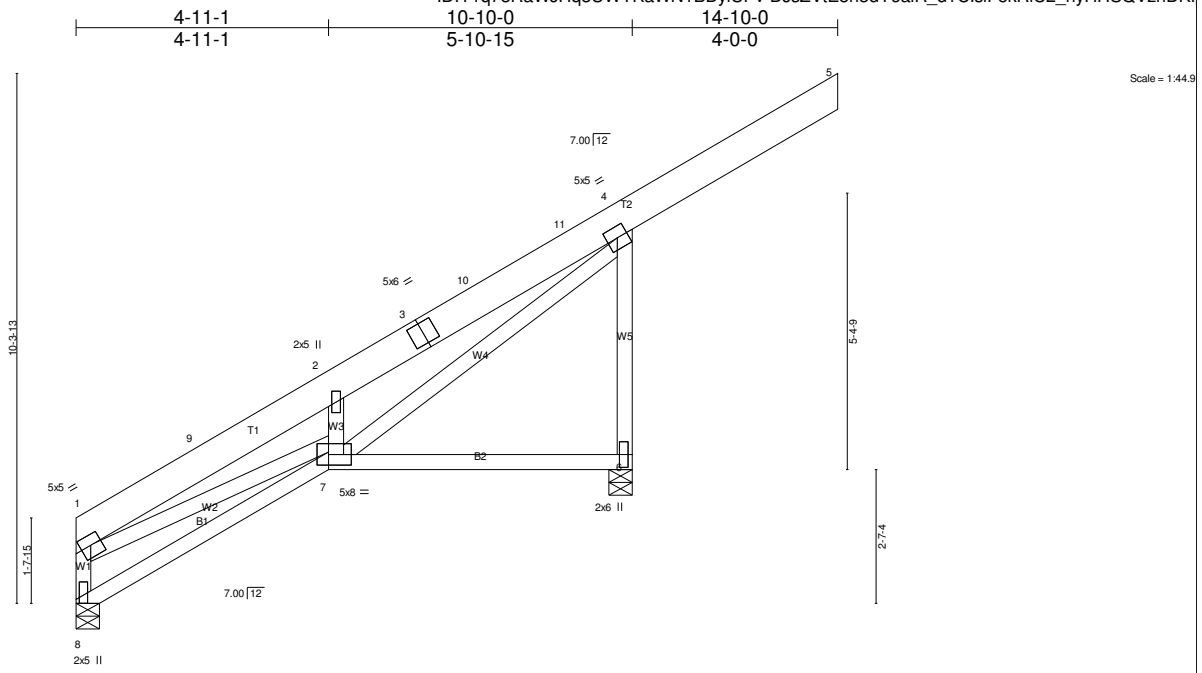

Plate Offsets (X,Y)-- [1:0-2-8,0-2-4], [6:0-3-0,0-0-8], [7:0-5-4,0-2-8]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 1.00	Vert(LL) -0.04 7 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.18	Vert(TL) -0.10 6-7 >999 240	
TCDL 7.0	Rep Stress Incr YES	WB 0.52	Horz(TL) 0.05 6 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 76 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x8 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 8=525/0-5-8, 6=1067/0-5-8
Max Horz 8=448(LC 6)
Max Uplift 6=-764(LC 9)
Max Grav 8=525(LC 1), 6=1337(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-545/173, 1-9=-996/259, 2-9=-852/276, 2-3=-905/447, 3-10=-851/455, 10-11=-781/468, 4-11=-766/474, 4-5=-364/0, 4-6=-1280/798
BOT CHORD 7-8=-498/272
WEBS 1-7=-291/626, 2-7=-290/273, 4-7=-521/983

JOINT STRESS INDEX
1 = 0.90, 2 = 0.17, 3 = 0.48, 4 = 0.93, 6 = 0.99, 7 = 0.85 and 8 = 0.84

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=764.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T41	MONO TRUSS	4	1	Job Reference (optional)

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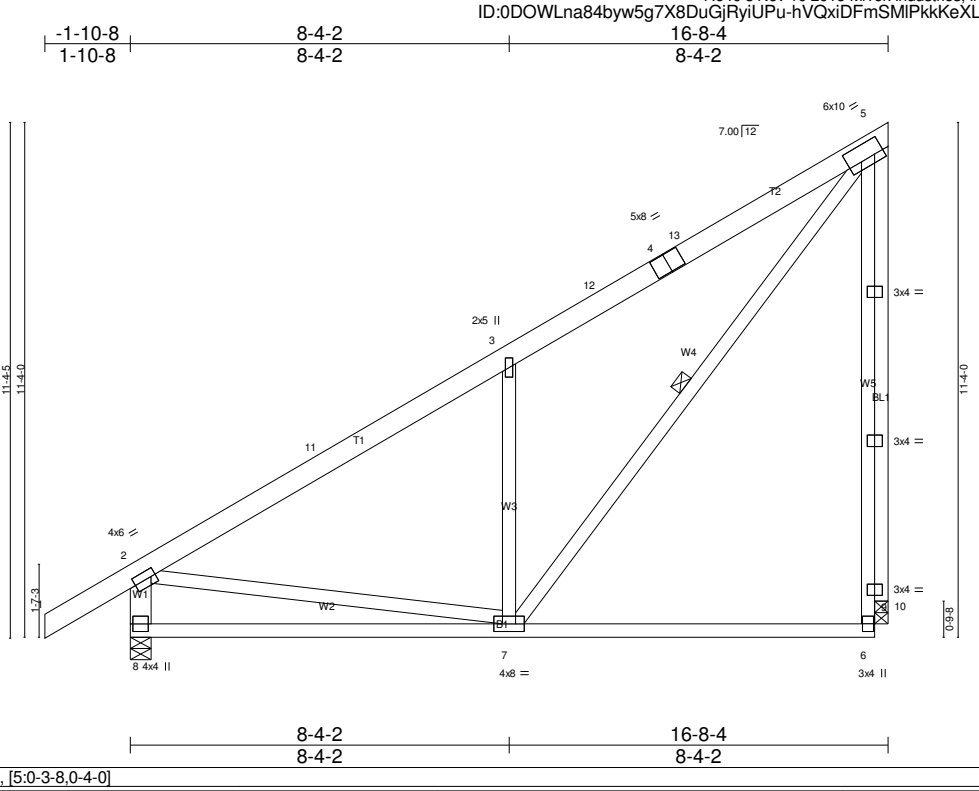

Plate Offsets (X,Y)-- [2:0-1-4,0-2-0], [5:0-3-8,0-4-0]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.71	Vert(LL) -0.09 6-7 >999 360	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.45	Vert(TL) -0.23 6-7 >853 240	
TCDL 7.0	Rep Stress Incr YES	WB 0.71	Horz(TL) -0.04 10 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 113 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W1: 2x6 SPF No.2
OTHERS 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-7

REACTIONS. (lb/size) 8=1140/0-5-8, 10=884/0-3-8
Max Horz 8=638(LC 9)
Max Uplift 8=-261(LC 9), 10=-480(LC 9)
Max Grav 8=1201(LC 2), 10=1132(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-1125/26, 3-11=-779/44, 3-12=-1222/344, 4-12=-1019/355, 4-13=-984/357, 5-13=-949/374, 2-8=-1115/301
BOT CHORD 7-8=-623/355
WEBS 3-7=-955/588, 5-7=-666/1268, 2-7=-14/566

JOINT STRESS INDEX
2 = 0.87, 3 = 0.42, 4 = 0.86, 5 = 0.79, 6 = 0.87, 7 = 0.95, 8 = 0.88, 9 = 0.00, 9 = 0.26, 9 = 0.26 and 9 = 0.26

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) This truss has been designed for greater of min roof live load of 17.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Bearing at joint(s) 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 100 lb uplift at joint(s) except (jt=lb) 8=261, 10=480.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	T42	SPECIAL	1	1	Job Reference (optional)

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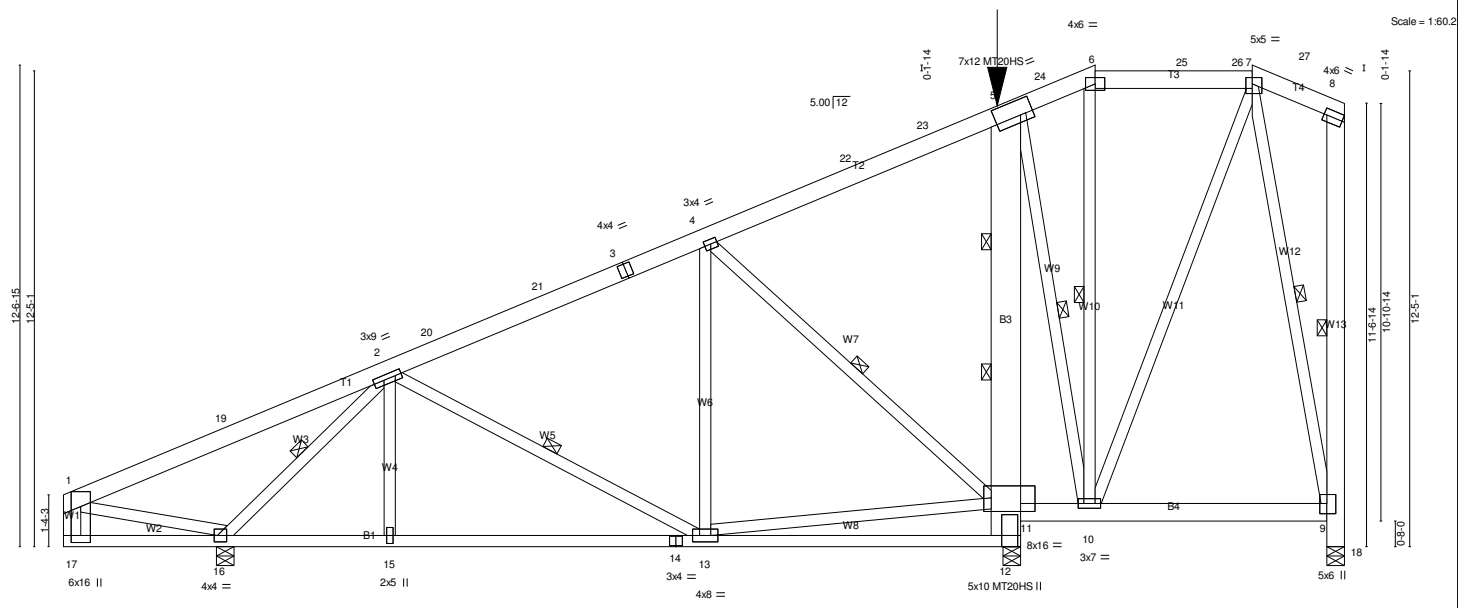
ID:0DOWLna84byw5g7X8DuGjRyiUPu-9i_KvZGODgtGLuvq521gNHoeVX1OgwS4QbmZVNznDKG

8-6-5	16-9-3	25-0-0	26-11-6	31-0-10	33-5-8
8-6-5	8-2-13	8-2-13	1-11-6	4-1-4	2-4-14



8-6-5	16-9-3	25-0-0	26-11-6	31-0-10	33-5-8
8-6-5	8-2-13	8-2-13	1-11-6	4-1-4	2-4-14

Plate Offsets (X,Y)-- [2:0-3-6,0-1-8], [5:0-4-0,0-4-12], [7:0-2-0,0-2-0], [9:0-3-4,0-2-4], [11:1-1-12,0-4-4], [12:0-3-8,Edge], [16:0-1-0,0-2-0], [17:0-11-5,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.82	Vert(LL)	-0.09	13-15	>999	360	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.55	Vert(TL)	-0.24	13-15	>999	240	MT20HS	148/108
TCDL	7.0	Rep Stress Incr	NO	WB	0.65	Horz(TL)	0.05	18	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 267 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2 *Except*
B3: 2x10 SPF No.2, B4: 2x6 SPF No.2
WEBS 2x4 SPF No.2 *Except*
W1,W13: 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-6-12 oc bracing. Except:
2 Rows at 1/3 pts 5-11
WEBS 1 Row at midpt 2-16, 2-13, 4-11, 5-10, 6-10, 8-18, 7-9

REACTIONS. (lb/size) 12=6291/0-5-8 (req. 0-10-14), 16=1748/0-5-8, 18=723/0-5-8
Max Horz 16=597(LC 8)
Max Uplift12=-2086(LC 9), 16=-635(LC 9), 18=-255(LC 9)
Max Grav 12=6937(LC 18), 16=2018(LC 18), 18=963(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-19=-200/577, 2-19=-187/600, 2-20=-1516/338, 20-21=-1312/349, 3-21=-1305/349, 3-4=-1115/362, 4-22=-458/217, 22-23=-349/217, 5-23=-338/229, 5-24=-304/292, 6-24=-276/298, 6-25=-278/290, 25-26=-278/290, 7-26=-278/290, 7-27=-282/268, 8-27=-285/263, 9-18=-963/255, 8-9=-313/254
BOT CHORD 16-17=-263/461, 15-16=-501/1286, 14-15=-501/1286, 13-14=-501/1286, 11-12=-6857/2123, 5-11=-5672/1816, 10-11=-249/333
WEBS 2-16=-2396/628, 2-15=0/273, 4-13=0/301, 11-13=-375/1155, 4-11=-1344/434, 5-10=-346/156, 6-10=-260/108, 7-10=-166/361, 1-16=-905/586, 7-9=-770/333

JOINT STRESS INDEX
1 = 0.00, 2 = 0.91, 3 = 0.68, 4 = 0.64, 5 = 0.86, 6 = 0.50, 7 = 0.80, 8 = 0.86, 9 = 0.81, 10 = 0.79, 11 = 0.96, 12 = 0.92, 13 = 0.79, 14 = 0.83, 15 = 0.31, 16 = 0.79 and 17 = 0.51

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
3) Unbalanced snow loads have been considered for this design.
4) Provide adequate drainage to prevent water ponding.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) WARNING: Required bearing size at joint(s) 12 greater than input bearing size.
9) Bearing at joint(s) 18 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=2086, 16=635, 18=255.
11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5000 lb down and 1634 lb up at 24-6-0 on top 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 (plf)
Vert: 1-6=-94, 6-7=-94, 7-8=-94, 12-17=-20, 9-11=-20
Concentrated Loads (lb)
Vert: 5=-5000

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	V1B	KINGPOST	3	1	Job Reference (optional)

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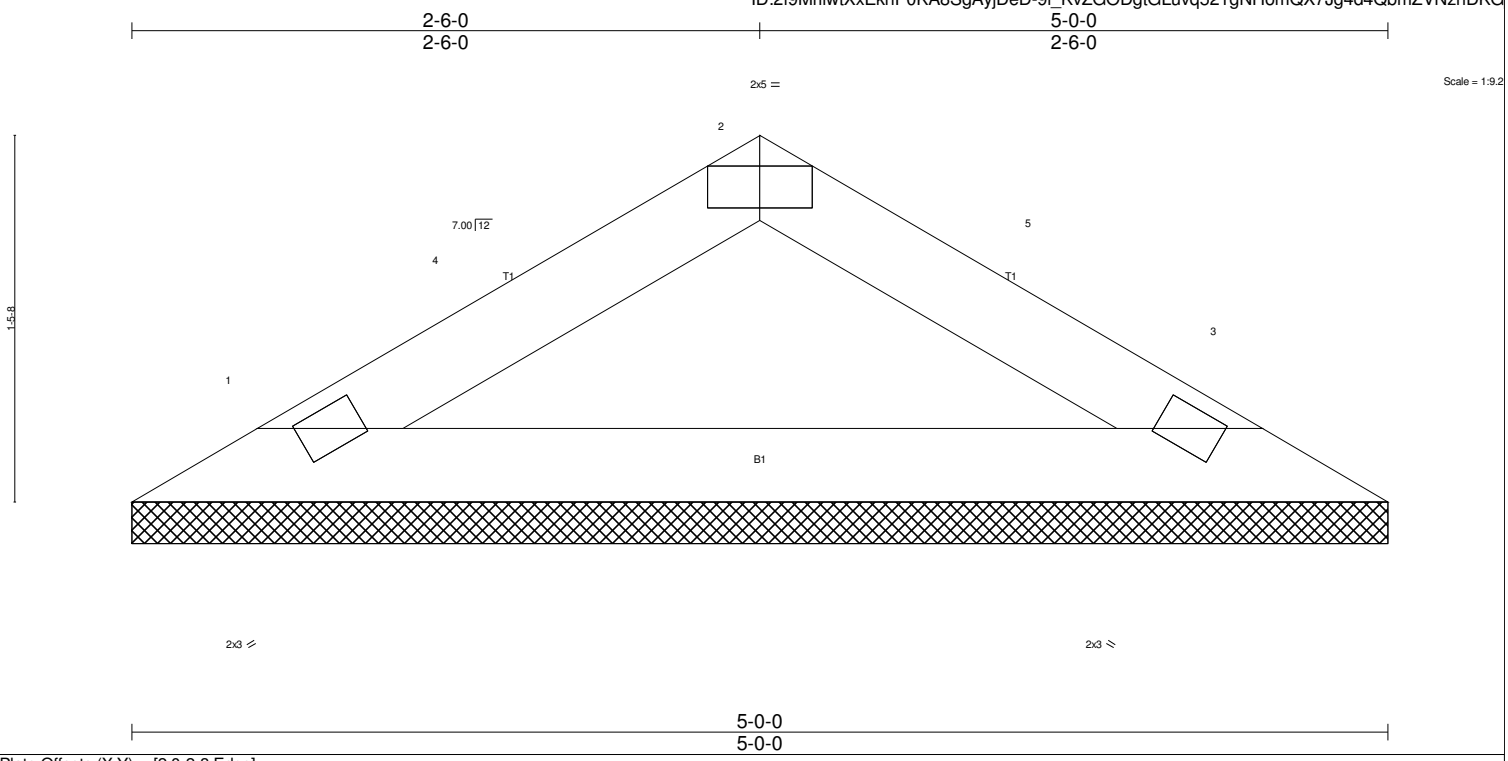

Plate Offsets (X,Y)-- [2:0-2-8,Edge]

LOADING (psf)	**SPACING-** 2-0-0	**CSI.**	**DEFL.** in (loc) l/defl L/d	**PLATES** **GRIP**
TCLL 40.0	Plate Grip DOL 1.15	TC 0.31	Vert(LL) n/a - n/a 999	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.17	Vert(TL) n/a - n/a 999	
TCDL 7.0	Rep Stress Incr NO	WB 0.00	Horz(TL) 0.00 3 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 11 lb FT = 4%
BCDL 10.0				

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

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

REACTIONS. (lb/size) 1=224/5-0-0, 3=224/5-0-0
Max Horz 1=-34(LC 7)
Max Uplift 1=-73(LC 9), 3=-73(LC 9)
Max Grav 1=367(LC 15), 3=367(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-330/92, 2-4=-325/95, 2-5=-325/95, 3-5=-330/92
BOT CHORD 1-3=-48/281

JOINT STRESS INDEX
1 = 0.45, 2 = 0.07 and 3 = 0.45

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	V2B	KINGPOST	3	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:10:06 2016 Page 1
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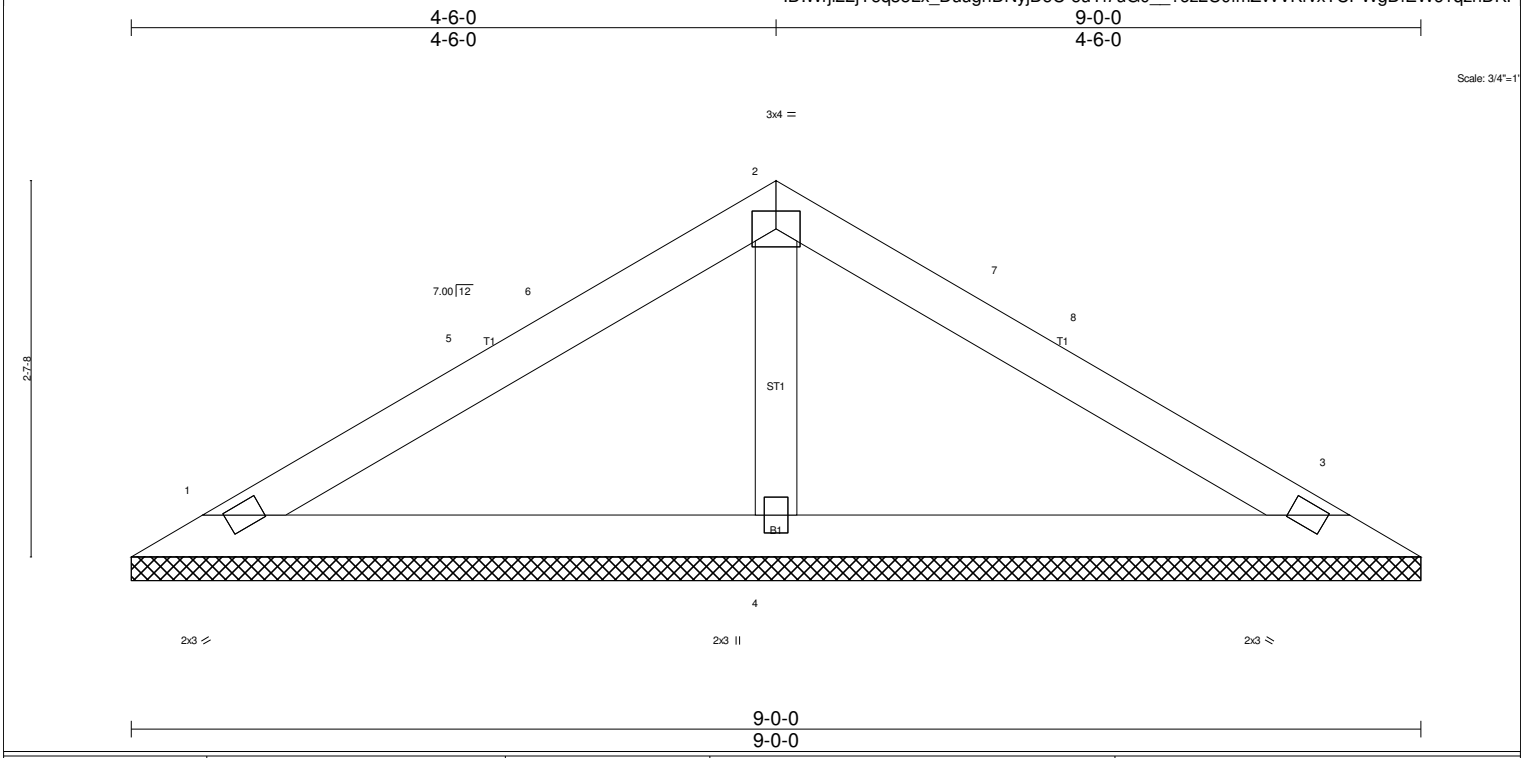

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.65	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.13	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.00	3	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 23 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
OTHERS 2x4 SPF No.3

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

REACTIONS. (lb/size) 1=244/9-0-0, 3=244/9-0-0, 4=414/9-0-0
Max Horz 1=-68(LC 7)
Max Uplift 1=-106(LC 9), 3=-106(LC 9), 4=-84(LC 9)
Max Grav 1=362(LC 15), 3=362(LC 17), 4=414(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-315/134

JOINT STRESS INDEX
1 = 0.39, 2 = 0.16, 3 = 0.39 and 4 = 0.18

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 1=106, 3=106.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	V19	MONO TRUSS	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:10:06 2016 Page 1
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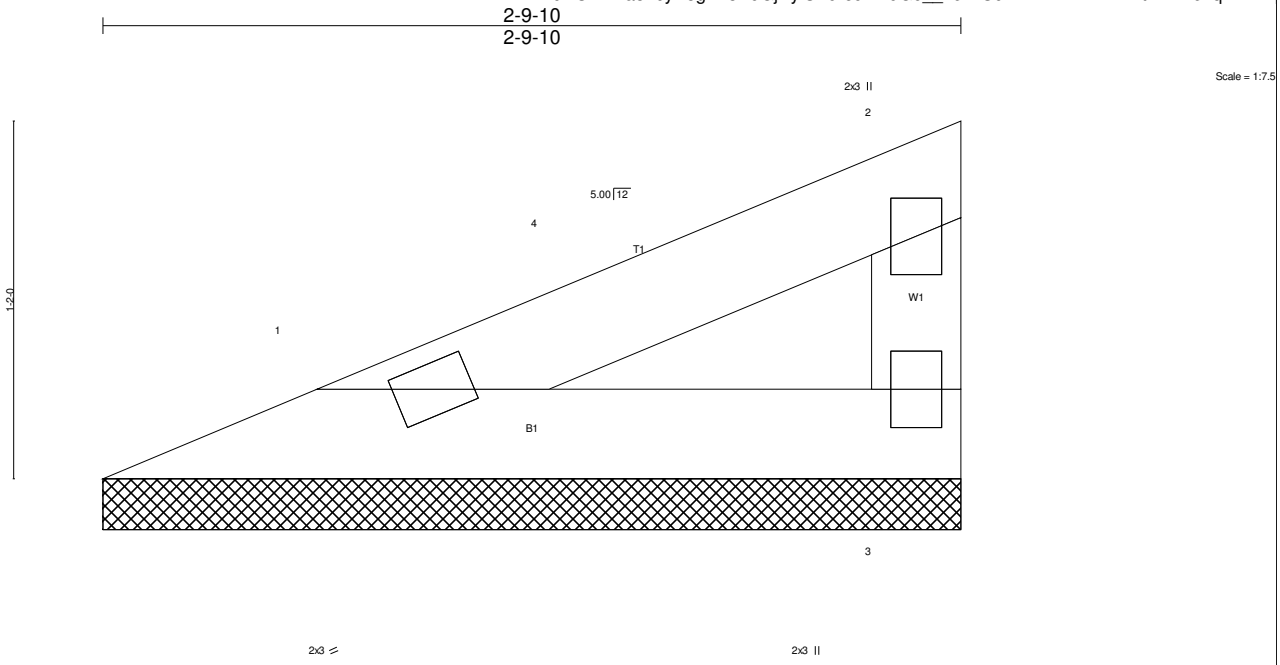

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.27	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.03	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCLL	0.0	Code	IBC2009/TPI2007	(Matrix)							Weight: 6 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3

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

REACTIONS. (lb/size) 1=110/2-9-10, 3=110/2-9-10
Max Horz 1=41(LC 6)
Max Uplift 1=-32(LC 9), 3=-40(LC 9)
Max Grav 1=333(LC 15), 3=333(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-313/49

JOINT STRESS INDEX
1 = 0.13, 2 = 0.23 and 3 = 0.17

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	V20	MONO TRUSS	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:10:06 2016 Page 1
ID:0DOWLna84byw5g7X8DuGjRyiUPu-euYi7uG0__?6z2U0fmZvvVKpbxSgPXtDfEW61qznDKF

5-7-3
5-7-3

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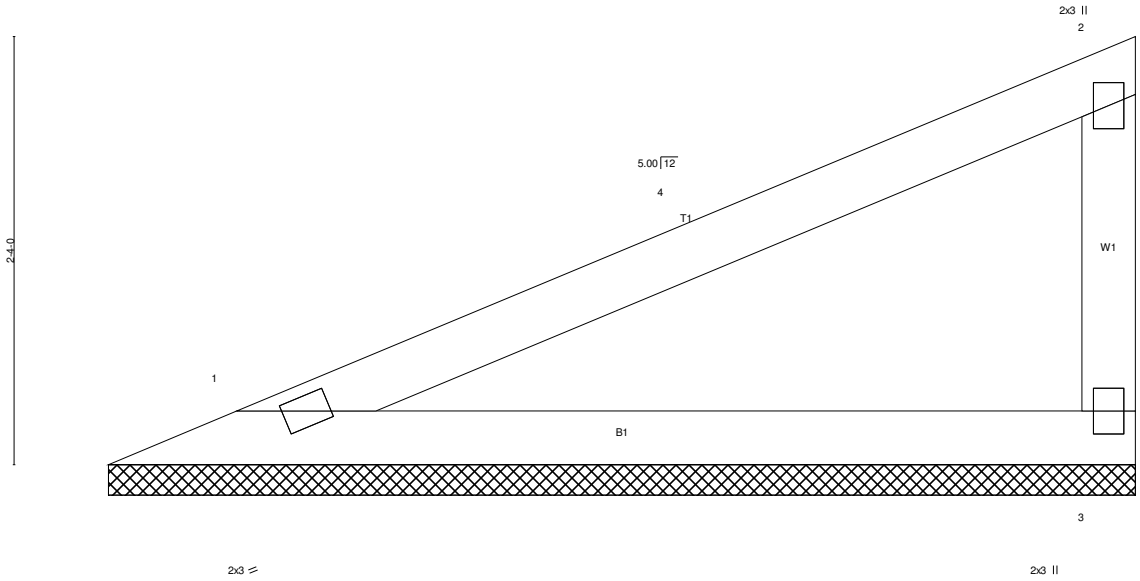

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	40.0	Plate Grip DOL	1.15	TC	0.80	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Roof Snow=40.0)		Lumber DOL	1.15	BC	0.23	Vert(TL)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCLL	0.0	Code IBC2009/TPI2007		(Matrix)							Weight: 14 lb	FT = 4%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=269/5-7-3, 3=269/5-7-3
Max Horz 1=101(LC 6)
Max Uplift 1=-79(LC 9), 3=-97(LC 9)
Max Grav 1=380(LC 15), 3=380(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-333/121

JOINT STRESS INDEX
1 = 0.19, 2 = 0.24 and 3 = 0.18

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
3) Unbalanced snow loads have been considered for this design.
4) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	V21	GABLE	1	1	Job Reference (optional)

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8-4-13
8-4-13

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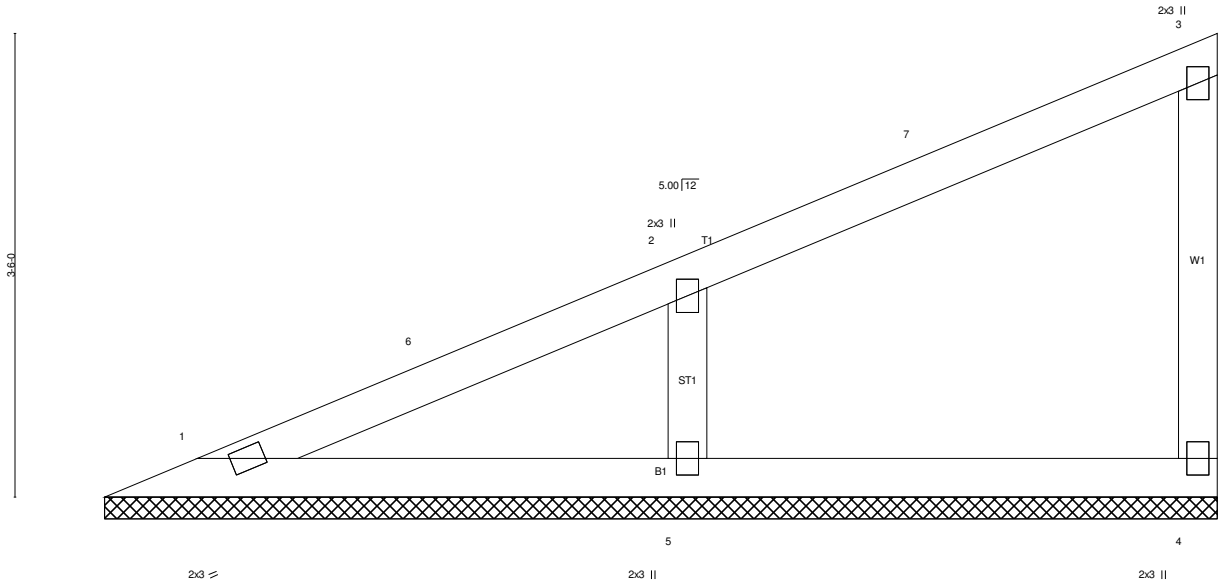

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.49	Vert(LL) n/a - n/a 999	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.12	Vert(TL) n/a - n/a 999	
TCDL 7.0	Rep Stress Incr YES	WB 0.11	Horz(TL) -0.00 4 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 24 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3
OTHERS 2x4 SPF No.3

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

REACTIONS. (lb/size) 1=155/8-4-13, 4=167/8-4-13, 5=536/8-4-13
Max Horz 1=162(LC 6)
Max Uplift 1=-13(LC 9), 4=-47(LC 9), 5=-220(LC 9)
Max Grav 1=346(LC 16), 4=350(LC 15), 5=592(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-320/62
WEBS 2-5=-498/268

JOINT STRESS INDEX
1 = 0.13, 2 = 0.31, 3 = 0.23, 4 = 0.17 and 5 = 0.29

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=2ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 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) 1, 4 except (jt=lb) 5=220.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	V22	GABLE	1	1	Job Reference (optional)

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ID:UPyuZ7bmru4njqijixPVGeyiUPt-6464KEHelH7zbB3CDT48Sit4FLp18z8NtuFgZGznDKE

11-2-6
11-2-6

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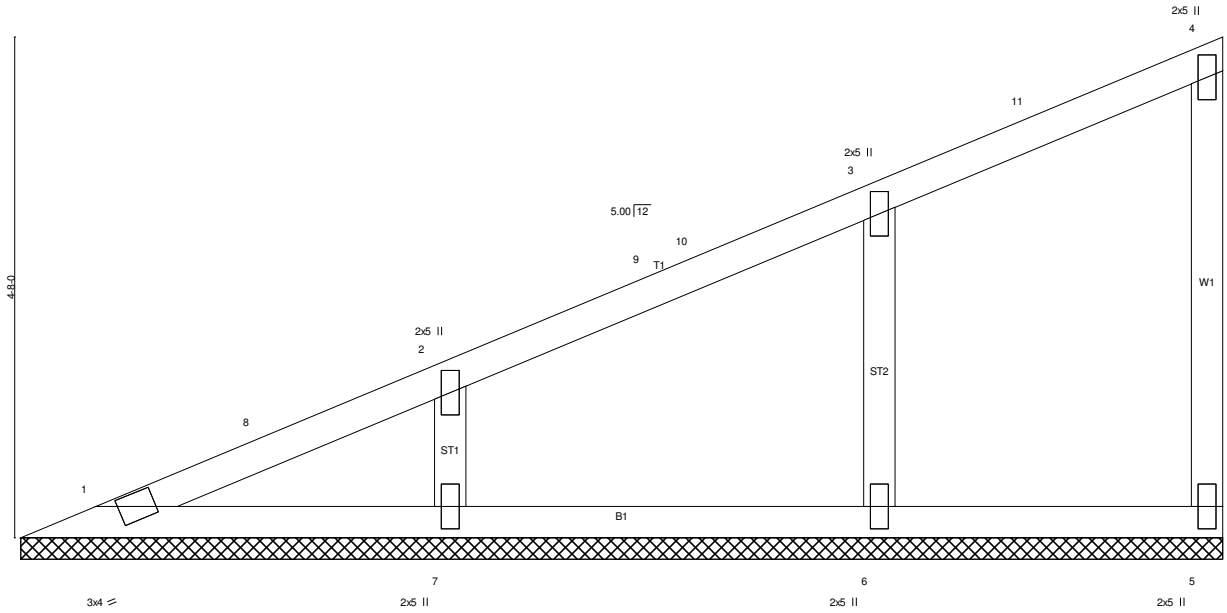

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.42	Vert(LL) n/a - n/a 999	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.16	Vert(TL) n/a - n/a 999	
TCDL 7.0	Rep Stress Incr YES	WB 0.13	Horz(TL) -0.00 5 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 35 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3
OTHERS 2x4 SPF No.3

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

REACTIONS. All bearings 11-2-7.
(lb) - Max Horz 1=222(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 5 except 7=-193(LC 9), 6=-175(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 1=342(LC 17), 5=341(LC 16), 7=474(LC 2), 6=521(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-316/52
WEBS 2-7=-378/226, 3-6=-453/200

JOINT STRESS INDEX
1 = 0.60, 2 = 0.14, 3 = 0.17, 4 = 0.84, 5 = 0.58, 6 = 0.16 and 7 = 0.13

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=2ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 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) 5 except (jt=lb) 7=193, 6=175.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
C-WING	V23	GABLE	1	1	Job Reference (optional)

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14-0-0
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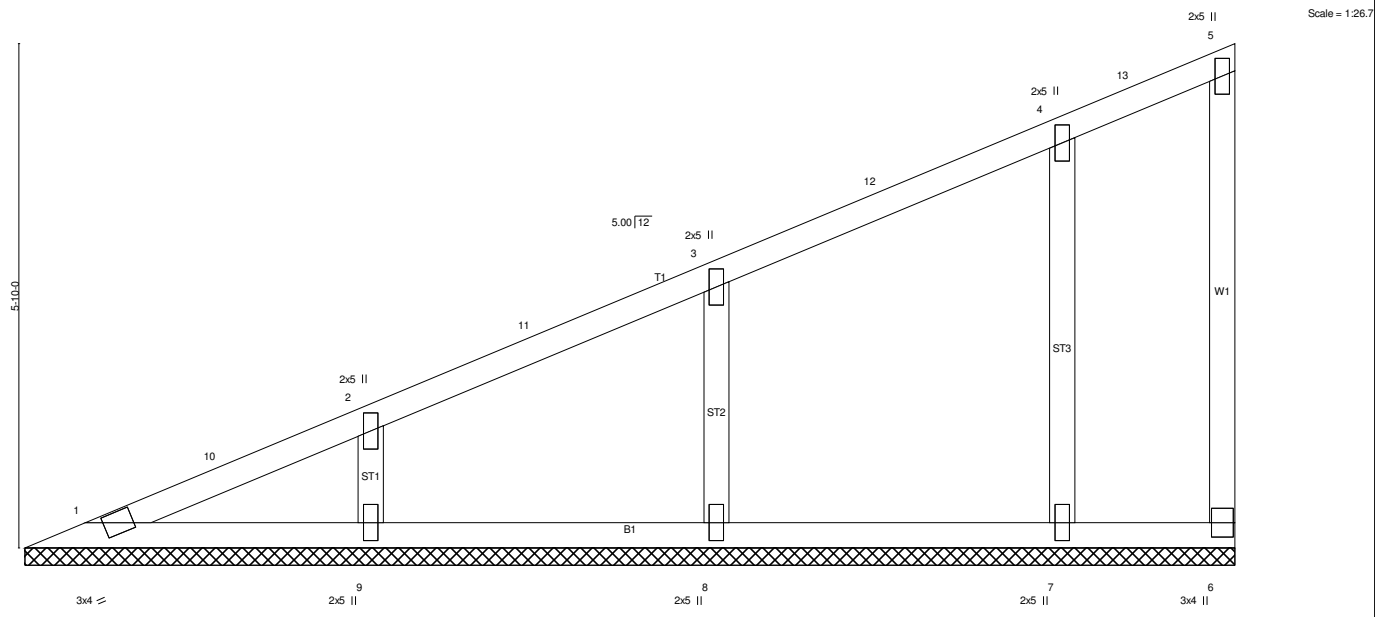

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 40.0	Plate Grip DOL 1.15	TC 0.42	Vert(LL) n/a - n/a 999	MT20 197/144
(Roof Snow=40.0)	Lumber DOL 1.15	BC 0.16	Vert(TL) n/a - n/a 999	
TCDL 7.0	Rep Stress Incr YES	WB 0.22	Horz(TL) -0.00 6 n/a n/a	
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 48 lb FT = 4%
BCDL 10.0				

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3
OTHERS 2x4 SPF No.3

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

REACTIONS. All bearings 14-0-0.
(lb) - Max Horz 1=282(LC 6)
Max Uplift All uplift 100 lb or less at joint(s) 6 except 9=-188(LC 9), 8=-194(LC 9), 7=-156(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 1=342(LC 18), 6=309(LC 17), 9=457(LC 1), 8=548(LC 2), 7=515(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-302/67
WEBS 2-9=-363/214, 3-8=-469/243, 4-7=-447/141

JOINT STRESS INDEX
1 = 0.36, 2 = 0.13, 3 = 0.17, 4 = 0.16, 5 = 0.96, 6 = 0.68, 7 = 0.16, 8 = 0.16 and 9 = 0.13

NOTES-
1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=2ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; 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 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 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) 6 except (jt=lb) 9=188, 8=194, 7=156.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) This truss has been designed for a moving concentrated load of 200.0lb live and 100.0lb dead located at all mid panels and at all panel points along the Top Chord, nonconcurrent with any other live loads.

LOAD CASE(S) Standard