

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	CG25	MONO PITCH	4	1	Copula Roof - Core Job Reference (optional)
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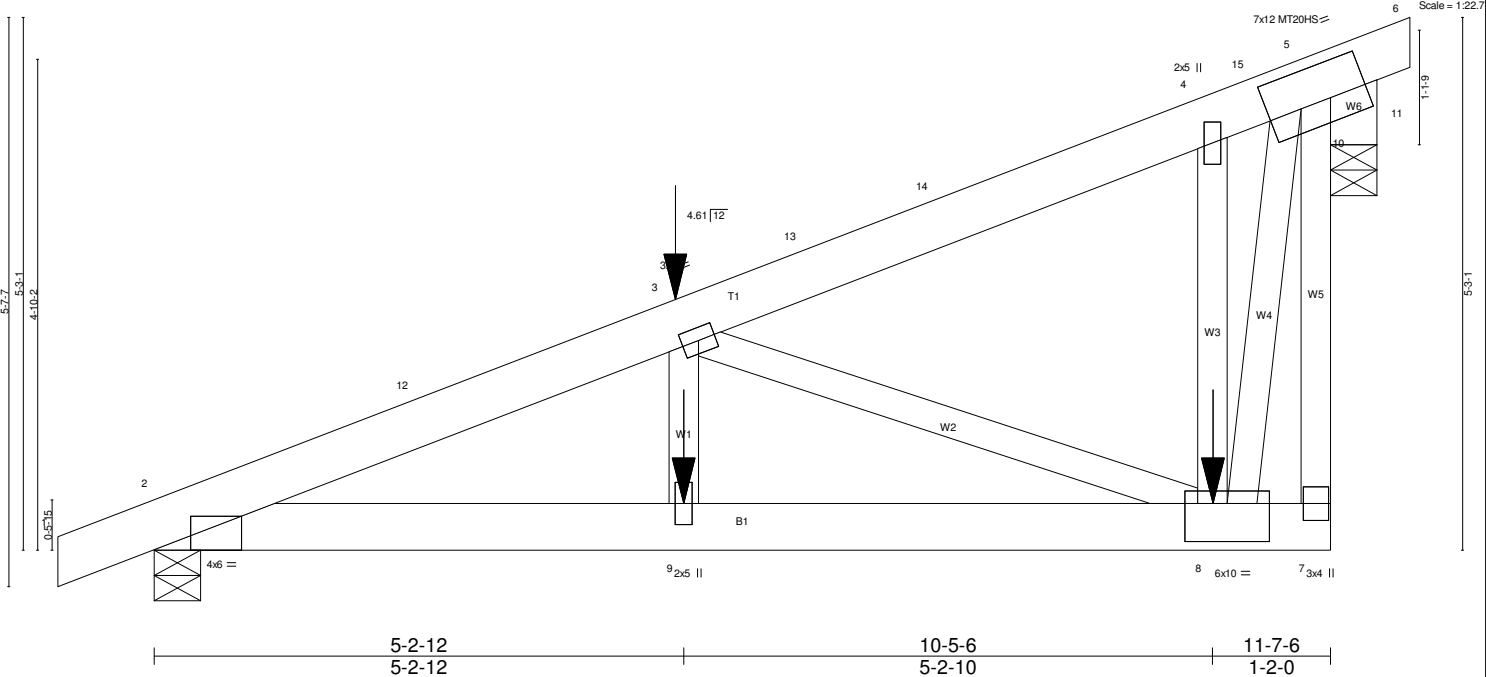
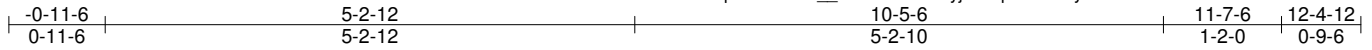


Plate Offsets (X,Y)-- [2:0-4-6,Edge], [5:0-3-14,0-4-4], [8:0-1-8,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	1-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.53 BC 0.27 WB 0.59 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.11 8-9 >999 360 Vert(TL) -0.06 8-9 >999 240 Horz(TL) -0.03 11 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 69 lb	FT = 4%

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.3 *Except*
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 6-11-6 oc bracing.

REACTIONS. (lb/size) 2=598/0-5-8, 11=1043/0-5-8
Max Horz 2=120(LC 6)
Max Uplift 2=532(LC 9), 11=-1312(LC 9)
Max Grav 2=619(LC 2), 11=1125(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-1187/1154, 3-12=-1143/1158, 3-13=-437/414, 13-14=-385/416, 4-14=-380/419, 4-15=-492/532, 5-15=-471/533
BOT CHORD 2-9=-1114/1063, 8-9=-1114/1063
WEBS 3-8=-760/794, 3-9=-165/283, 4-8=-465/312, 5-8=-1535/1334

JOINT STRESS INDEX
2 = 0.74, 3 = 0.44, 4 = 0.17, 5 = 0.69, 7 = 0.79, 8 = 0.95, 9 = 0.20 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 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 19.4 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) Attach ribbon block to truss with 3-10d nails applied to flat face.
 - 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) 11 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 532 lb uplift at joint 2 and 1312 lb uplift at joint 11.
 - 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) 113 lb down and 176 lb up at 5-2-12, and 113 lb down and 176 lb up at 5-2-12 on top chord, and 338 lb down and 589 lb up at 10-5-7, 338 lb down and 502 lb up at 10-5-7, and 113 lb down and 118 lb up at 5-2-12, and 113 lb down and 75 lb up at 5-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 14) 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)

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-10, 1-5=-47, 5-6=-47
Concentrated Loads (lb)
Vert: 8=-676(F=-338, B=-338) 9=-226(F=-113, B=-113)
- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=-10, 1-13=-47, 5-13=-65, 5-6=-65

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	CG25	MONO PITCH	4	1	Copula Roof - Core Job Reference (optional)

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LOAD CASE(S)

- Concentrated Loads (lb)
Vert: 8=676(F=338, B=338) 9=226(F=113, B=113)
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=10, 1-5=19, 5-6=19
Concentrated Loads (lb)
Vert: 8=344(F=172, B=172) 9=115(F=57, B=57)
- 4) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=20, 1-5=7, 5-6=7
Concentrated Loads (lb)
Vert: 8=320(F=160, B=160) 9=107(F=54, B=54)
- 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-7=5, 1-2=23, 2-5=12, 5-6=8
Horz: 1-2=-27, 2-5=-16, 5-6=-12, 7-10=13
Concentrated Loads (lb)
Vert: 8=747(F=403, B=344) 3=216(F=108, B=108) 9=116(F=73, B=43)
- 6) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-7=5, 1-2=7, 2-5=11, 5-6=22
Horz: 1-2=-11, 2-5=-15, 5-6=-26, 7-10=-11
Concentrated Loads (lb)
Vert: 8=400(F=204, B=196) 3=100(F=50, B=50) 9=70(F=37, B=33)
- 7) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-7=5, 1-2=-2, 2-5=5, 5-6=-2
Horz: 1-2=-3, 2-5=1, 5-6=-3, 7-10=5
Concentrated Loads (lb)
Vert: 8=259(F=129, B=129) 9=86(F=43, B=43)
- 8) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-7=5, 1-2=7, 2-5=3, 5-6=7
Horz: 1-2=-11, 2-5=-7, 5-6=-11, 7-10=-19
Concentrated Loads (lb)
Vert: 8=155(F=78, B=78) 9=52(F=26, B=26)
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-7=5, 1-2=34, 2-5=24, 5-6=34
Horz: 1-2=-39, 2-5=-28, 5-6=-39, 7-10=17
Concentrated Loads (lb)
Vert: 8=1091(F=589, B=502) 3=278(F=139, B=139) 9=193(F=118, B=75)
- 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-7=5, 1-2=23, 2-5=13, 5-6=23
Horz: 1-2=-28, 2-5=-17, 5-6=-28, 7-10=17
Concentrated Loads (lb)
Vert: 8=181(F=77, B=104) 3=41(F=21, B=21) 9=31(F=9, B=22)
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-7=5, 1-2=-1, 2-5=5, 5-6=-1
Horz: 1-2=-3, 2-5=1, 5-6=-3, 7-10=9
Concentrated Loads (lb)
Vert: 8=308(F=154, B=154) 9=103(F=52, B=52)
- 12) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-7=5, 1-2=-1, 2-5=5, 5-6=-1
Horz: 1-2=-3, 2-5=1, 5-6=-3, 7-10=9
Concentrated Loads (lb)
Vert: 8=308(F=154, B=154) 9=103(F=52, B=52)
- 13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-7=10, 1-2=87, 2-5=7, 5-6=87
Concentrated Loads (lb)
Vert: 8=202(F=101, B=101) 9=67(F=34, B=34)
- 14) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=10, 1-5=7, 5-6=7
Concentrated Loads (lb)
Vert: 8=202(F=101, B=101) 9=67(F=34, B=34) 12=300
- 15) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=10, 1-5=7, 5-6=7
Concentrated Loads (lb)
Vert: 8=202(F=101, B=101) 9=67(F=34, B=34) 14=300
- 16) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=10, 1-5=7, 5-6=7
Concentrated Loads (lb)
Vert: 8=202(F=101, B=101) 9=67(F=34, B=34) 15=300
- 17) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=10, 1-5=7, 5-6=7
Concentrated Loads (lb)
Vert: 8=202(F=101, B=101) 9=67(F=34, B=34) 5=300
- 18) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=10, 1-5=7, 5-6=7
Concentrated Loads (lb)
Vert: 2=300 8=202(F=101, B=101) 9=67(F=34, B=34)
- 19) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-7=10, 1-5=7, 5-6=7
Concentrated Loads (lb)
Vert: 8=202(F=101, B=101) 3=300 9=67(F=34, B=34)
- 20) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	CG25	MONO PITCH	4	1	Copula Roof - Core Job Reference (optional)

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LOAD CASE(S)

Uniform Loads (plf)

Vert: 2-7=-10, 1-5=-7, 5-6=-7

Concentrated Loads (lb)

Vert: 8=-202(F=-101, B=-101) 9=-67(F=-34, B=-34) 4=-300

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	CG25A	MONO PITCH	4	1	Copula Roof - Core Job Reference (optional)

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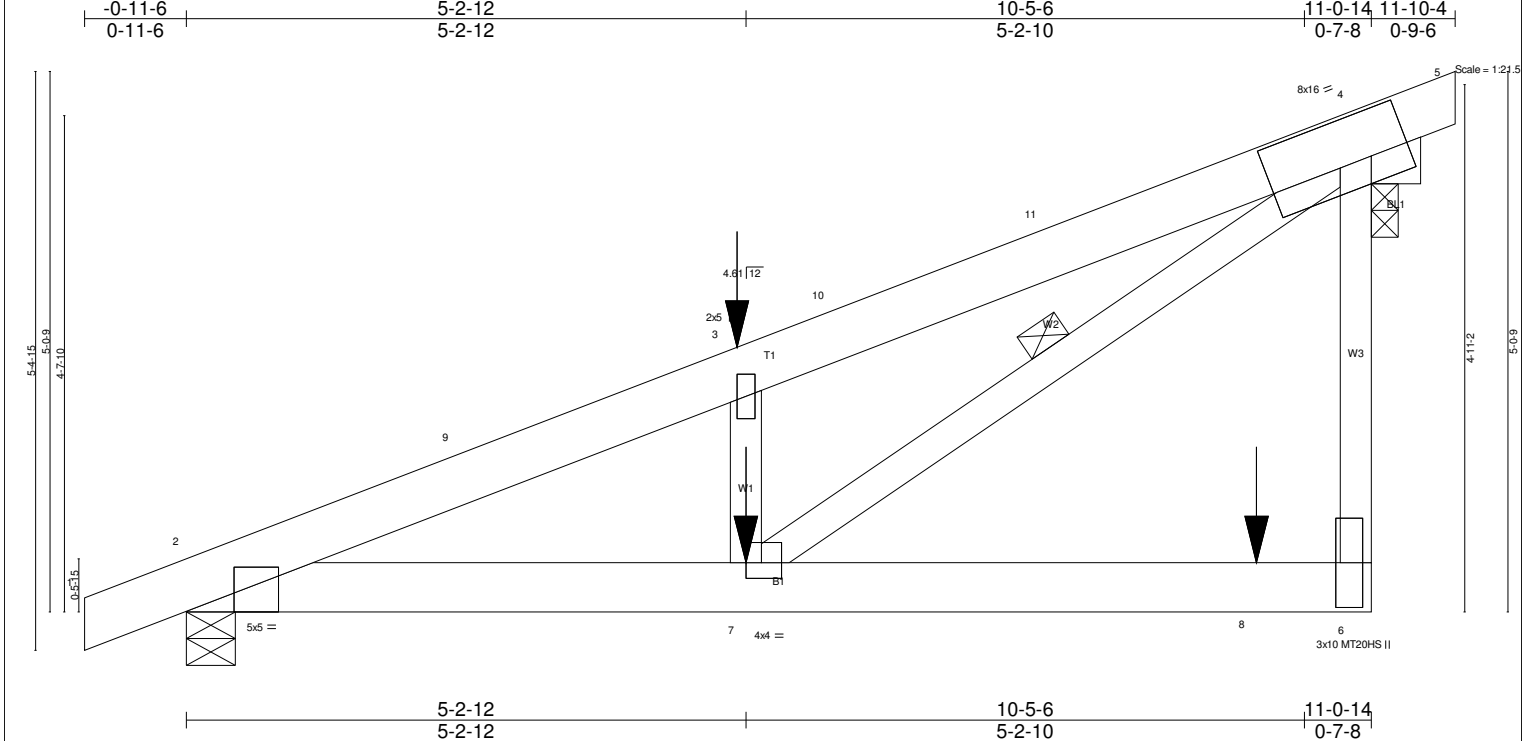


Plate Offsets (X,Y)-- [2:0-5-6,Edge], [4:0-8-0,0-5-2], [6:0-5-0,0-0-8], [7:0-1-12,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.72 BC 0.44 WB 0.74 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.10 6-7 >999 360 Vert(TL) -0.11 6-7 >999 240 Horz(TL) 0.02 4 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 59 lb	FT = 4%

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

REACTIONS. (lb/size) 2=921/0-5-8, 4=1399/0-3-0
 Max Horz 2=243(LC 6)
 Max Uplift 2=550(LC 9), 4=1571(LC 9)
 Max Grav 2=958(LC 2), 4=1555(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-9=-1680/971, 3-9=-1591/979, 3-10=-1708/1076, 10-11=-1587/1081, 4-11=-1585/1091, 4-6=-1059/657
 BOT CHORD 2-7=-958/1481
 WEBS 4-7=-1181/1681, 3-7=-559/536

JOINT STRESS INDEX
 2 = 0.47, 3 = 0.30, 4 = 0.79, 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 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 19.4 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) Attach ribbon block to truss with 3-10d nails applied to flat face.
 - 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) 4 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 550 lb uplift at joint 2 and 1571 lb uplift at joint 4.
 - 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) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
 - 14) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 113 lb down and 176 lb up at 5-2-12, and 113 lb down and 176 lb up at 5-2-12 on top chord, and 338 lb down and 110 lb up at 10-0-0, 338 lb down and 110 lb up at 10-0-0, 113 lb down and 126 lb up at 5-2-12, 113 lb down and 75 lb up at 5-2-12, and 494 lb up at 10-11-2, and 391 lb up at 10-11-2 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 15) 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)

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-6=-20, 1-4=-94, 4-5=-94
 Concentrated Loads (lb)
 Vert: 7=-226(F=-113, B=-113) 8=-676(F=-338, B=-338)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	CG25A	MONO PITCH	4	1	Copula Roof - Core Job Reference (optional)

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LOAD CASE(S)

- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20, 1-10=-94, 4-10=-128, 4-5=-128
Concentrated Loads (lb)
Vert: 7=-226(F=-113, B=-113) 8=-676(F=-338, B=-338)
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20, 1-4=-38, 4-5=-38
Concentrated Loads (lb)
Vert: 7=-115(F=-57, B=-57) 8=-344(F=-172, B=-172)
- 4) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-6=-40, 1-4=-14, 4-5=-14
Concentrated Loads (lb)
Vert: 7=-107(F=-54, B=-54) 8=-320(F=-160, B=-160)
- 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-6=-10, 1-2=45, 2-4=24, 4-5=16, 4-6=-25
Horz: 1-2=-54, 2-4=-32, 4-5=-24, 4-6=25
Concentrated Loads (lb)
Vert: 6=681(F=377, B=303) 7=123(F=80, B=43) 3=216(F=108, B=108) 8=81(F=41, B=41)
- 6) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-6=-10, 1-2=14, 2-4=21, 4-5=43, 4-6=22
Horz: 1-2=-22, 2-4=-30, 4-5=-52, 4-6=-22
Concentrated Loads (lb)
Vert: 6=308(F=165, B=143) 7=77(F=44, B=33) 3=101(F=51, B=51) 8=112(F=56, B=56)
- 7) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-6=-10, 1-2=-3, 2-4=-11, 4-5=-3, 4-6=-10
Horz: 1-2=-5, 2-4=3, 4-5=5, 4-6=10
Concentrated Loads (lb)
Vert: 7=-86(F=-43, B=-43) 8=-259(F=-129, B=-129)
- 8) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-6=-10, 1-2=14, 2-4=6, 4-5=14, 4-6=37
Horz: 1-2=-22, 2-4=-14, 4-5=-22, 4-6=-37
Concentrated Loads (lb)
Vert: 7=-52(F=-26, B=-26) 8=-155(F=-78, B=-78)
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-6=-10, 1-2=69, 2-4=47, 4-5=69, 4-6=34
Horz: 1-2=-77, 2-4=-56, 4-5=-77, 4-6=34
Concentrated Loads (lb)
Vert: 6=885(F=494, B=391) 7=201(F=126, B=75) 3=279(F=139, B=139) 8=221(F=110, B=110)
- 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-6=-10, 1-2=47, 2-4=25, 4-5=47, 4-6=34
Horz: 1-2=-55, 2-4=-34, 4-5=-55, 4-6=34
Concentrated Loads (lb)
Vert: 6=106(F=48, B=59) 7=39(F=17, B=22) 3=41(F=20, B=20) 8=90(F=45, B=45)
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-6=-10, 1-2=-2, 2-4=-10, 4-5=-2, 4-6=-18
Horz: 1-2=-7, 2-4=1, 4-5=-7, 4-6=18
Concentrated Loads (lb)
Vert: 7=-103(F=-52, B=-52) 8=-308(F=-154, B=-154)
- 12) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 2-6=-10, 1-2=-2, 2-4=-10, 4-5=-2, 4-6=-18
Horz: 1-2=-7, 2-4=1, 4-5=-7, 4-6=18
Concentrated Loads (lb)
Vert: 7=-103(F=-52, B=-52) 8=-308(F=-154, B=-154)
- 13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 2-6=-20, 1-2=-174, 2-4=-14, 4-5=-174
Concentrated Loads (lb)
Vert: 7=-67(F=-34, B=-34) 8=-202(F=-101, B=-101)
- 14) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-6=-20, 1-4=-14, 4-5=-14
Concentrated Loads (lb)
Vert: 7=-67(F=-34, B=-34) 8=-202(F=-101, B=-101) 9=-300
- 15) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-6=-20, 1-4=-14, 4-5=-14
Concentrated Loads (lb)
Vert: 7=-67(F=-34, B=-34) 8=-202(F=-101, B=-101) 11=-300
- 16) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-6=-20, 1-4=-14, 4-5=-14
Concentrated Loads (lb)
Vert: 7=-67(F=-34, B=-34) 4=-300 8=-202(F=-101, B=-101)
- 17) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-6=-20, 1-4=-14, 4-5=-14
Concentrated Loads (lb)
Vert: 2=-300 7=-67(F=-34, B=-34) 8=-202(F=-101, B=-101)
- 18) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-6=-20, 1-4=-14, 4-5=-14
Concentrated Loads (lb)
Vert: 7=-67(F=-34, B=-34) 3=-300 8=-202(F=-101, B=-101)
- 19) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-6=-20, 1-4=-14, 4-5=-14

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	CG25A	MONO PITCH	4	1	Copula Roof - Core Job Reference (optional)

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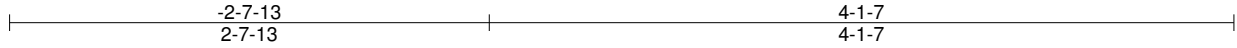
LOAD CASE(S)

Concentrated Loads (lb)

Vert: 7=-67(F=-34, B=-34) 4=-300 8=-202(F=-101, B=-101)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	CJ3	MONO TRUSS	1	1	

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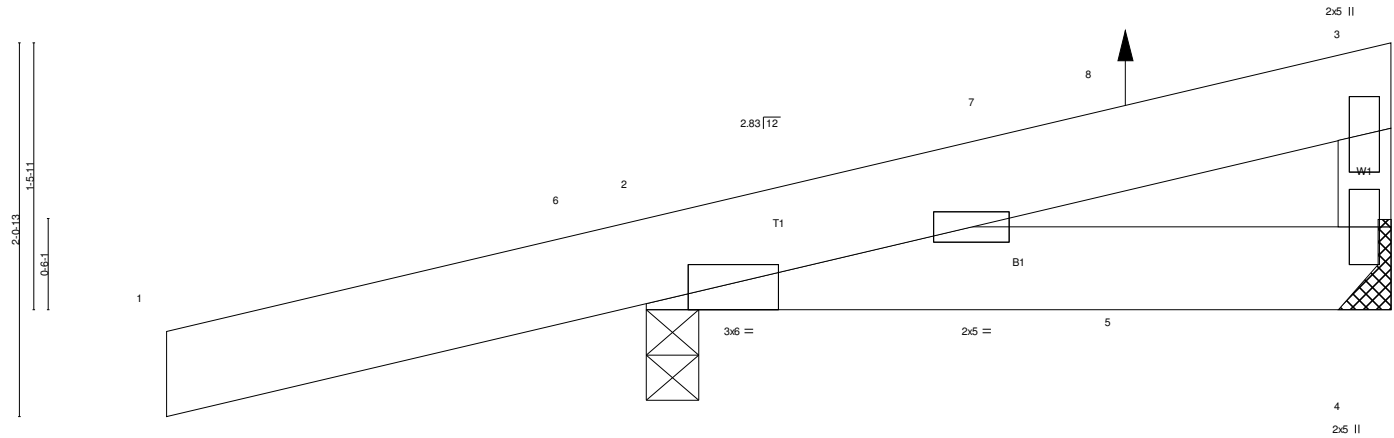


Plate Offsets (X,Y)-- [2:0-2-13,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.60 BC 0.06 WB 0.00 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.00 2-4 >999 360 Vert(TL) -0.01 2-4 >999 240 Horz(TL) -0.00 4 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 21 lb	FT = 4%

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 4-1-7 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=1271/0-3-8, 4=198/Mechanical
 Max Horz 2=67(LC 9)
 Max Uplift 2=-330(LC 9), 4=-13(LC 13)
 Max Grav 2=1436(LC 13), 4=340(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-4=-302/51

JOINT STRESS INDEX
 2 = 0.83, 2 = 0.00, 3 = 0.17 and 4 = 0.10

- 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 330 lb uplift at joint 2 and 13 lb uplift at joint 4.
 - 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 17 lb down and 52 lb up at 2-8-7 on top chord, and 11 lb up at 2-8-7, and 11 lb up at 2-9-8, and 59 lb down and 4 lb up at 3-11-11 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: 2-4=-20, 1-3=-218
 Concentrated Loads (lb)
 Vert: 8=52(B)
- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-4=-20, 1-6=-218, 3-6=-233
 Concentrated Loads (lb)
 Vert: 8=52(B)
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-4=-20, 1-3=-162

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	CJ3	MONO TRUSS	1	1	Job Reference (optional)

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 8=26(B)

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

Concentrated Loads (lb)

Vert: 8=16(B)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	CJ4	MONO TRUSS	2	1	

Job Reference (optional)

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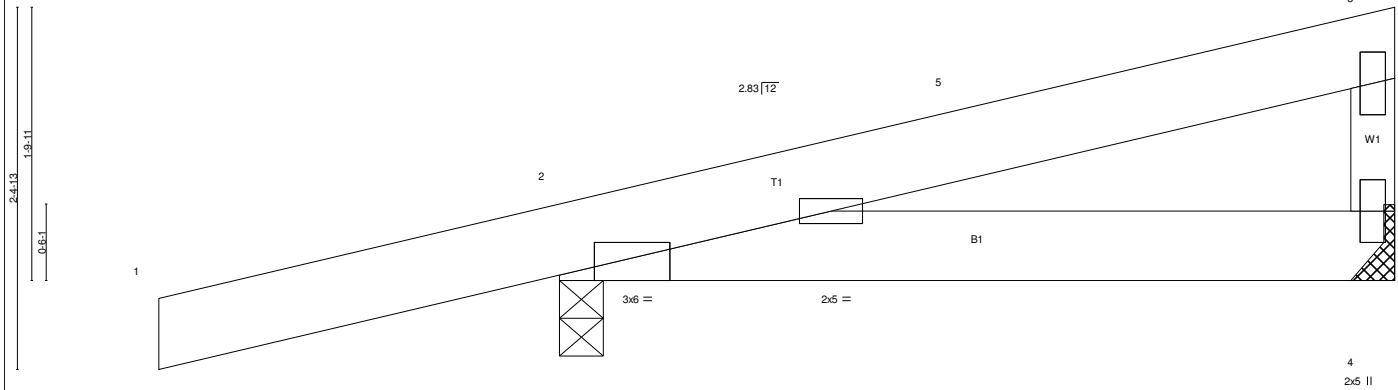


Plate Offsets (X,Y)-- [2:0-2-13,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.63 BC 0.12 WB 0.00 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.01 2-4 >999 360 Vert(TL) -0.02 2-4 >999 240 Horz(TL) -0.00 4 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 26 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 5-6-6 oc purlins, except end verticals.
BOT CHORD 2x6 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3	

REACTIONS. (lb/size) 2=1241/0-3-8, 4=440/Mechanical
 Max Horz 2=99(LC 8)
 Max Uplift 2=-288(LC 9), 4=-40(LC 9)
 Max Grav 2=1423(LC 13), 4=489(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-4=-441/64

JOINT STRESS INDEX
 2 = 0.83, 2 = 0.00, 3 = 0.25 and 4 = 0.15

- 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 288 lb uplift at joint 2 and 40 lb uplift at joint 4.
 - 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
 Uniform Loads (plf)
 Vert: 1-2=-218
 Trapezoidal Loads (plf)
 Vert: 2=0(F=10, B=10)-to-4=-28(F=-4, B=-4), 2=-128(F=45, B=45)-to-3=-254(F=-18, B=-18)
 - 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-218
 Trapezoidal Loads (plf)
 Vert: 2=0(F=10, B=10)-to-4=-28(F=-4, B=-4), 2=-146(F=45, B=45)-to-3=-272(F=-18, B=-18)
 - 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-162
 Trapezoidal Loads (plf)
 Vert: 2=0(F=10, B=10)-to-4=-28(F=-4, B=-4), 2=-72(F=45, B=45)-to-3=-198(F=-18, B=-18)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	CJ4	MONO TRUSS	2	1	Job Reference (optional)

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LOAD CASE(S) Standard

13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-2=-298

Trapezoidal Loads (plf)

Vert: 2=0(F=10, B=10)-to-4=-28(F=4, B=-4), 2=-125(F=7, B=7)-to-3=-143(F=-3, B=-3)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	CJ6	MONO TRUSS	2	1	

Job Reference (optional)

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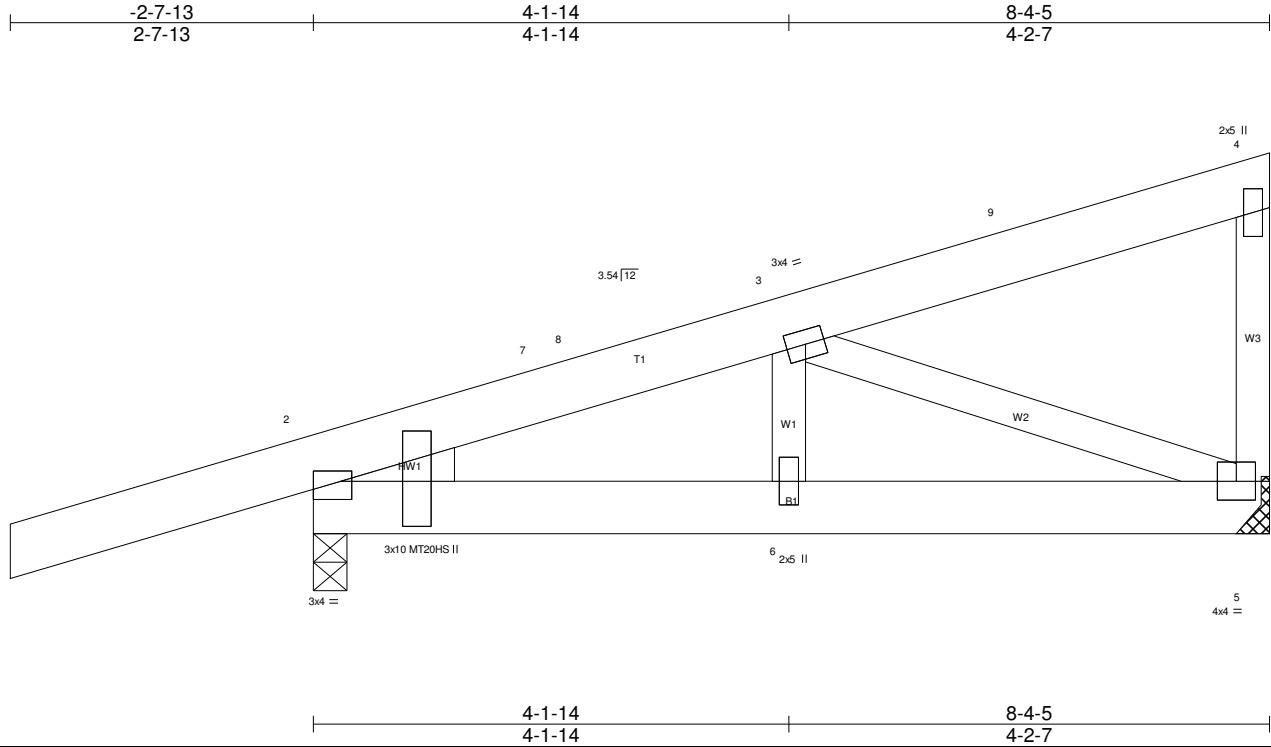


Plate Offsets (X,Y)-- [2:0-0-0,0-1-1], [2:0-3-14,0-9-5]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.68 BC 0.56 WB 0.28 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.03 5-6 >999 360 Vert(TL) -0.04 5-6 >999 240 Horz(TL) 0.01 5 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 46 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x6 SPF No.2
 WEBS 2x4 SPF No.3
 WEDGE
 Left: 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=629/0-3-8, 5=595/Mechanical
 Max Horz 2=276(LC 8)
 Max Uplift 2=348(LC 9), 5=172(LC 9)
 Max Grav 2=683(LC 2), 5=693(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-7=-737/206, 7-8=-737/206, 3-8=-737/206, 4-5=-306/122
 BOT CHORD 2-6=-88/639, 5-6=-88/639
 WEBS 3-6=-228/584, 3-5=-688/111

JOINT STRESS INDEX
 2 = 0.58, 2 = 0.09, 3 = 0.68, 4 = 0.17, 5 = 0.28 and 6 = 0.41

- 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) 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 348 lb uplift at joint 2 and 172 lb uplift at joint 5.
 - 10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TP1 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) 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=-94
 Trapezoidal Loads (plf)
 Vert: 2=0(F=10, B=10)-to-5=-238(F=-109, B=-109)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	CJ52	Diagonal Hip Girder	2	1	Job Reference (optional)

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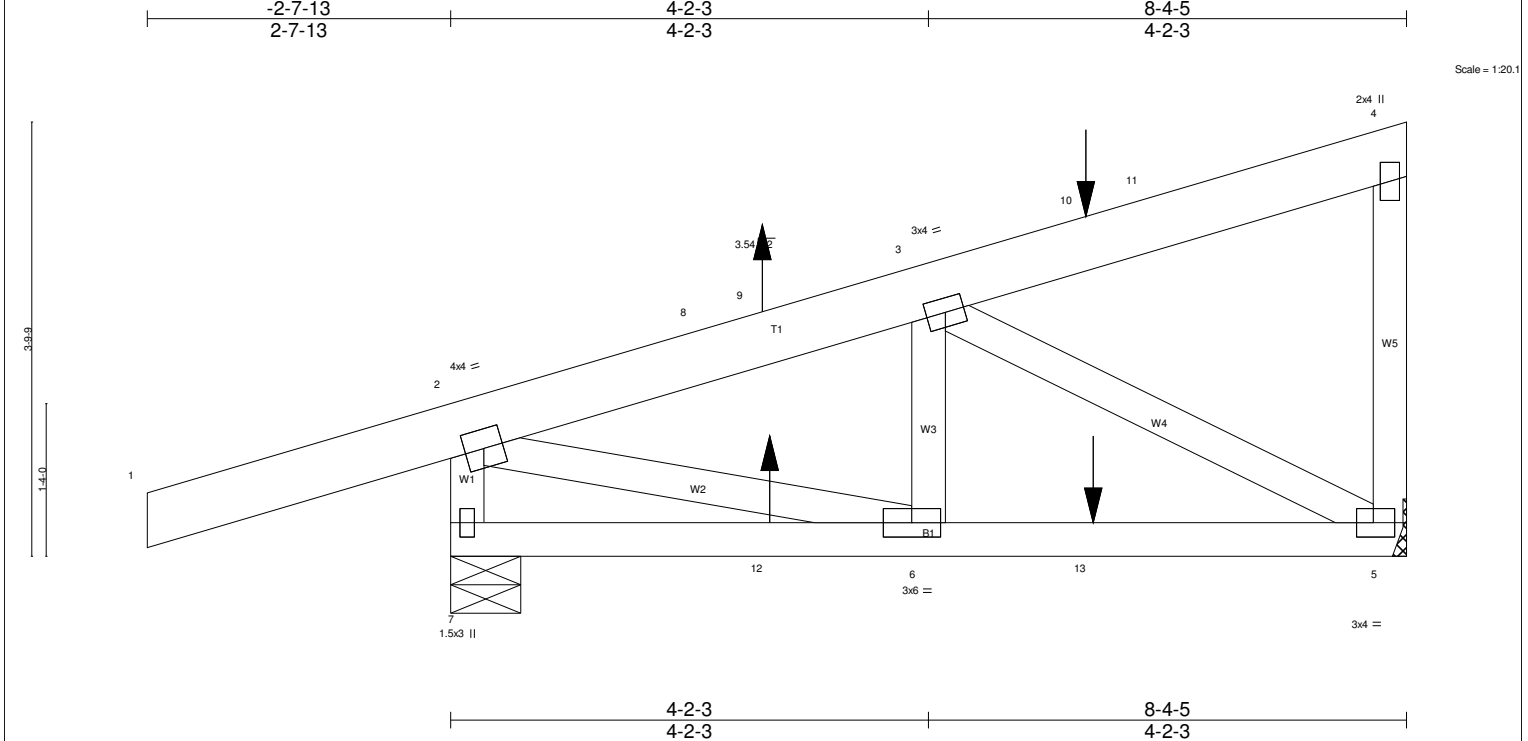


Plate Offsets (X,Y)-- [5:0-1-12,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.74 BC 0.25 WB 0.35 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.02 6-7 >999 360 Vert(TL) -0.04 5-6 >999 240 Horz(TL) 0.01 5 n/a n/a	MT20	197/144
TCDL 7.0				Weight: 46 lb	FT = 4%
BCLL 0.0					
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=776/0-7-6, 5=450/Mechanical
 Max Horz 7=156(LC 5)
 Max Uplift 7=270(LC 5), 5=144(LC 5)
 Max Grav 7=1060(LC 12), 5=813(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-7=-1034/263, 2-8=-789/128, 8-9=-715/134, 3-9=-753/143, 4-5=-540/89
 BOT CHORD 6-13=-164/694, 5-13=-164/694
 WEBS 2-6=-128/714, 3-5=-788/186

JOINT STRESS INDEX
 2 = 0.41, 3 = 0.30, 4 = 0.30, 5 = 0.46, 6 = 0.39 and 7 = 0.74

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 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 270 lb uplift at joint 7 and 144 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) 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, concurrent with live and dead loads.
 - 11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 207 lb up at 2-9-8, 87 lb down and 207 lb up at 2-9-8, and 105 lb down and 29 lb up at 5-7-7, and 105 lb down and 29 lb up at 5-7-7 on top chord, and 53 lb up at 2-9-8, 53 lb up at 2-9-8, and 19 lb down and 27 lb up at 5-7-7, and 19 lb down and 27 lb up at 5-7-7 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)
 Vert: 1-2=-99, 2-4=-99, 5-7=-20

Concentrated Loads (lb)
 Vert: 9=48(F=24, B=24) 10=-43(F=-21, B=-21) 12=21(F=11, B=11) 13=-19(F=-9, B=-9)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	EV1	MONO TRUSS	4	1	

Job Reference (optional)
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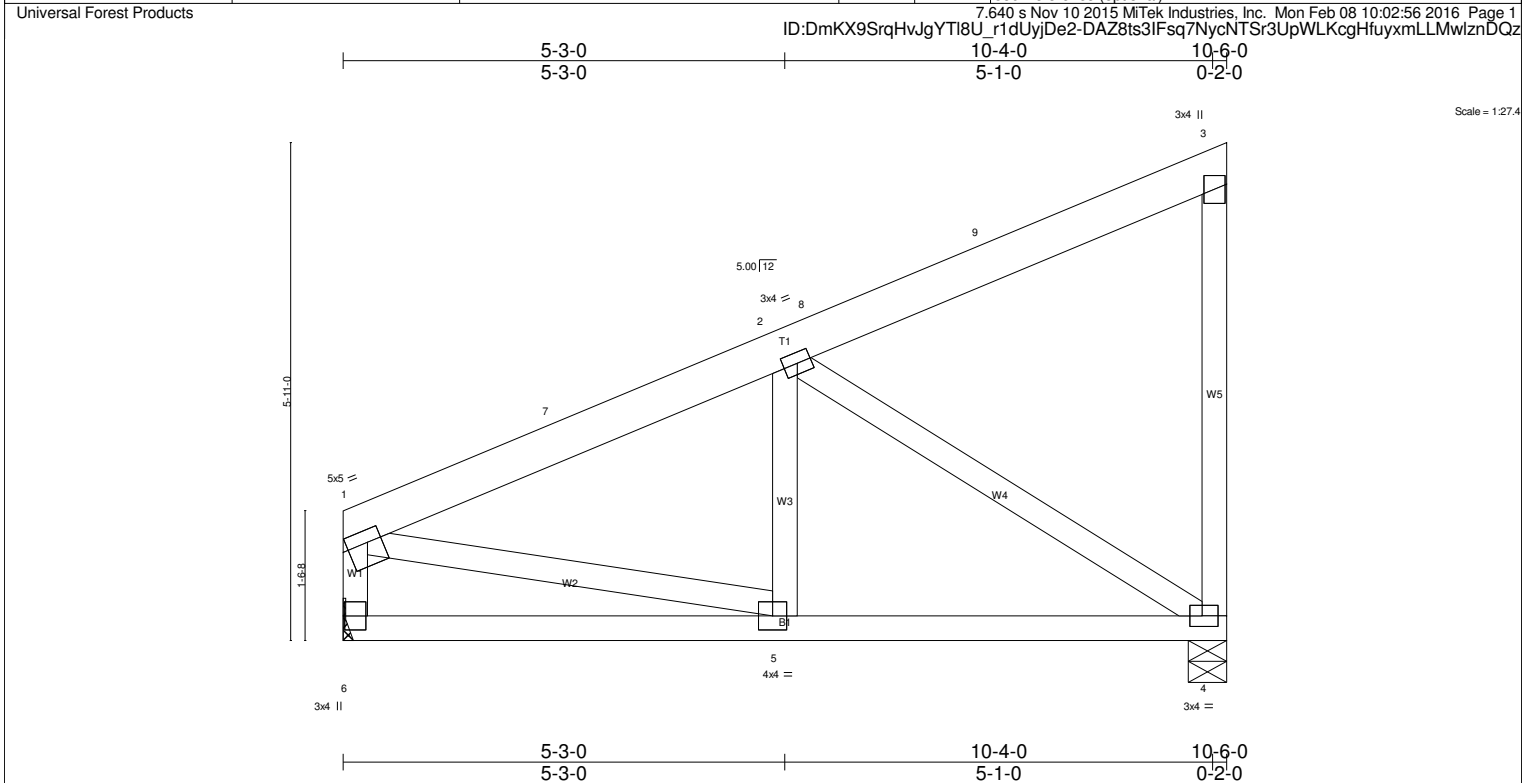


Plate Offsets (X,Y)-- [1:0-2-0,0-1-12], [4:0-1-12,0-1-8]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.72	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.28	Vert(LL) -0.02 5 >999 360		
BCLL 0.0	Rep Stress Incr NO	WB 0.67	Vert(TL) -0.04 4-5 >999 240		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) 0.01 4 n/a n/a		
				Weight: 55 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3	

REACTIONS. (lb/size) 4=716/0-5-8, 6=849/Mechanical
 Max Horz 6=276(LC 6)
 Max Uplift 4=221(LC 9), 6=159(LC 9)
 Max Grav 4=822(LC 2), 6=881(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-7=-974/169, 2-7=-814/178, 3-4=-330/97, 1-6=-821/184
 BOT CHORD 5-6=-253/219, 4-5=-178/768
 WEBS 2-4=-892/285, 1-5=-49/570

JOINT STRESS INDEX
 1 = 0.92, 2 = 0.36, 3 = 0.79, 4 = 0.67, 5 = 0.36 and 6 = 0.77

- 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) 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 221 lb uplift at joint 4 and 159 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.

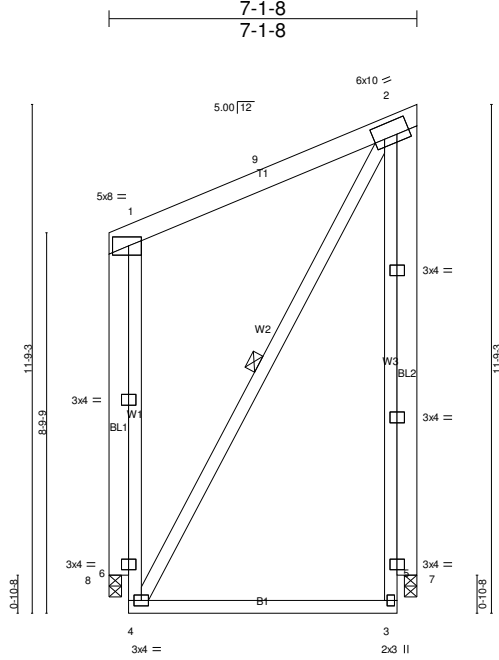
LOAD CASE(S) Standard

- 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=-130, 8=-159-to-3=-124
- 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
CORE	EV2	MONO TRUSS	4	1	Job Reference (optional)

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Scale = 1:53.0

Plate Offsets (X,Y)-- [1:0-3-8,0-2-8], [2:0-2-12,0-4-0]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.36 BC 0.38 WB 0.19 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.08 3-4 >999 360 Vert(TL) -0.19 3-4 >434 240 Horz(TL) -0.05 7 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0				Weight: 89 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3	WEBS 1 Row at midpt 2-4
OTHERS 2x6 SPF No.2	

REACTIONS. (lb/size) 7=337/0-3-8, 8=337/0-3-8
 Max Horz 8=137(LC 9)
 Max Uplift 7=-294(LC 9)
 Max Grav 7=380(LC 16), 8=380(LC 14)

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

JOINT STRESS INDEX
 1 = 0.68, 2 = 0.47, 3 = 0.13, 4 = 0.18, 5 = 0.00, 5 = 0.00, 5 = 0.00, 5 = 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) 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) 7, 8 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 294 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
CORE	G1ANC	MONOPITCH	3	2	Job Reference (optional)

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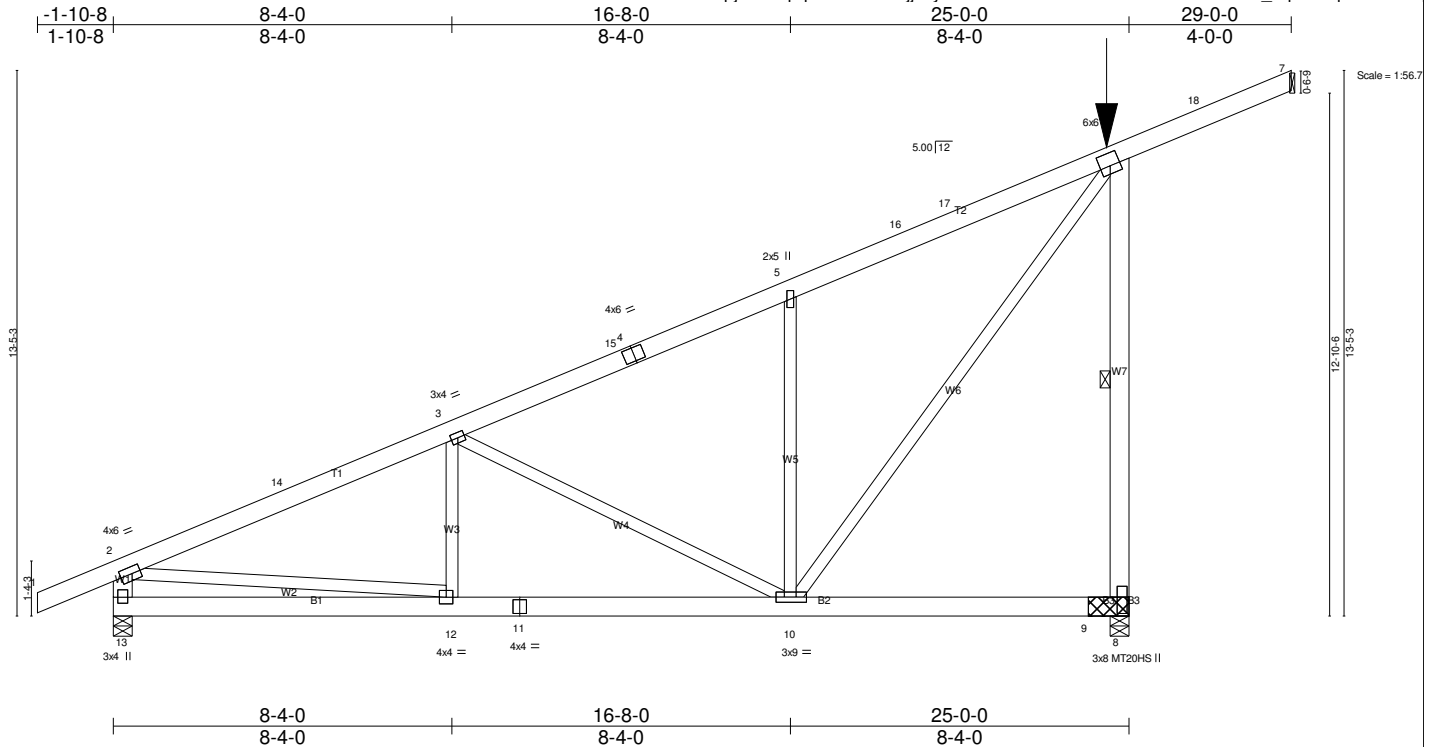


Plate Offsets (X,Y)-- [2:0-2-8,0-2-0], [6:0-3-0,0-3-12], [8:0-4-12,0-2-0], [10:0-2-8,0-1-8], [13:0-1-12,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.50 BC 0.27 WB 0.57 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.07 10-12 >999 360 Vert(TL) -0.12 10-12 >999 240 Horz(TL) -0.02 13 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 352 lb	FT = 4%

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

REACTIONS. (lb/size) 7=-0/Mechanical, 8=6719/(0-5-8 + bearing block) (req. 0-5-10), 13=1668/0-5-8
 Max Horz 7=-665(LC 22), 8=665(LC 22)
 Max Uplift 8=-2402(LC 9), 13=-488(LC 9)
 Max Grav 8=7202(LC 2), 13=1761(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-14=-2448/444, 3-14=-2294/457, 3-15=-1633/226, 4-15=-1482/226, 4-5=-1471/240, 5-16=-1662/424, 16-17=-1489/435, 6-17=-1487/448,
 6-18=-751/139, 7-18=-740/150, 6-8=-7113/2428, 2-13=-1653/524
 BOT CHORD 12-13=-96/680, 11-12=-248/2117, 10-11=-248/2117, 9-10=-59/665, 8-9=-59/665
 WEBS 3-12=-37/253, 3-10=-885/442, 5-10=-860/474, 6-10=-714/1737, 2-12=-154/1448

JOINT STRESS INDEX
 2 = 0.80, 3 = 0.64, 4 = 0.59, 5 = 0.31, 6 = 0.66, 8 = 0.82, 8 = 0.00, 8 = 0.00, 9 = 0.00, 9 = 0.00, 9 = 0.00, 10 = 0.93, 11 = 0.42, 12 = 0.43 and 13 = 0.88

- NOTES-**
- 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.
 - 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.
 - 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.
 - 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 ; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2402 lb uplift at joint 8 and 488 lb uplift at joint 13.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5000 lb down and 1634 lb up at 24-6-8 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: 1-2=-94, 2-6=-94, 6-7=-94, 8-13=-20

Job CORE	Truss G1ANC	Truss Type MONOPITCH	Qty 3	Ply 2	Portland Retirement Residence Job Reference (optional)
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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 6--5000

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G1BB	MONO PITCH	1	2	

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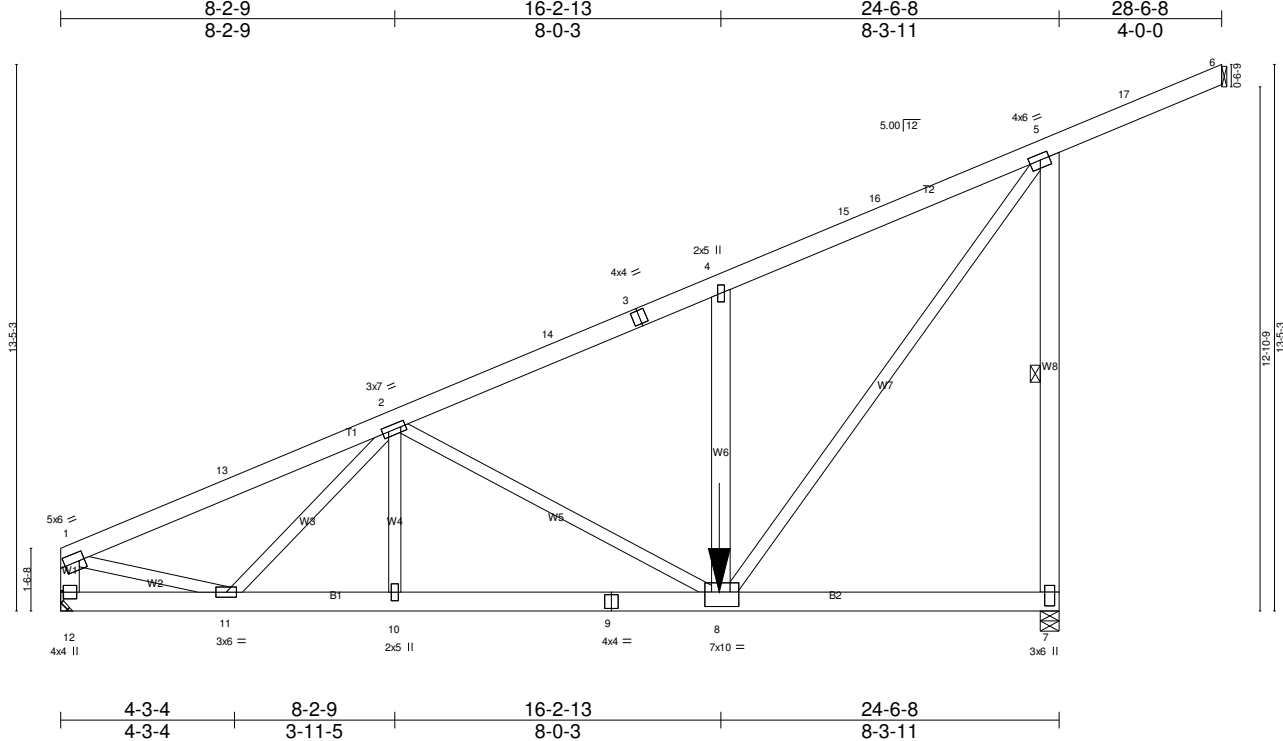


Plate Offsets (X,Y)-- [1:0-1-8,0-2-8], [2:0-1-14,0-1-8], [5:0-2-12,0-1-12], [7:0-4-0,0-1-8], [8:0-2-0,0-4-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.52 BC 0.39 WB 0.99 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.10 8-10 >999 360 Vert(TL) -0.16 8-10 >999 240 Horz(TL) -0.03 12 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 348 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SPF No.3 *Except* W8,W6,W1: 2x6 SPF No.2	6-0-0 oc bracing: 7-8. 1 Row at midpt 5-7

REACTIONS. (lb/size) 6=0/Mechanical, 7=3212/0-5-8, 12=2537/Mechanical
 Max Horz 6=-642(LC 22), 7=642(LC 22)
 Max Uplift 7=-1108(LC 9), 12=-470(LC 9)
 Max Grav 7=3644(LC 2), 12=2627(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-13=-3435/601, 2-13=-3178/614, 2-14=-2982/538, 3-14=-2754/538, 3-4=-2591/551, 4-15=-2953/735, 15-16=-2754/737, 5-16=-2531/750,
 5-17=-730/105, 6-17=-719/116, 5-7=-3548/1133, 1-12=-2483/472
 BOT CHORD 11-12=-238/970, 10-11=-529/3545, 9-10=-529/3545, 8-9=-529/3545, 7-8=-104/642
 WEBS 2-11=-901/154, 2-10=0/273, 2-8=-1192/402, 4-8=-1046/450, 5-8=-1264/3982, 1-11=-196/2051

JOINT STRESS INDEX
 1 = 1.00, 2 = 0.85, 3 = 0.56, 4 = 0.31, 5 = 0.86, 7 = 0.75, 8 = 0.94, 9 = 0.69, 10 = 0.31, 11 = 0.52 and 12 = 0.79

- NOTES-**
- 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 0-9-0 oc.
 - 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Refer to girder(s) for truss to truss connections.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1108 lb uplift at joint 7 and 470 lb uplift at joint 12.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1481 lb down and 484 lb up at 16-7-13 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: 7-12=-20
 Concentrated Loads (lb)
 Vert: 8=-1481(F)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G1BB	MONO PITCH	1	2	Job Reference (optional)

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LOAD CASE(S) Standard

Trapezoidal Loads (plf)

Vert: 1=-173-to-5=-107, 5=-107-to-6=-95

2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 7-12=-20

Concentrated Loads (lb)

Vert: 8=-1481(F)

Trapezoidal Loads (plf)

Vert: 1=-173-to-15=-120, 15=-178-to-5=-165, 5=-165-to-6=-154

3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 7-12=-20

Concentrated Loads (lb)

Vert: 8=-753(F)

Trapezoidal Loads (plf)

Vert: 1=-117-to-5=-51, 5=-51-to-6=-39

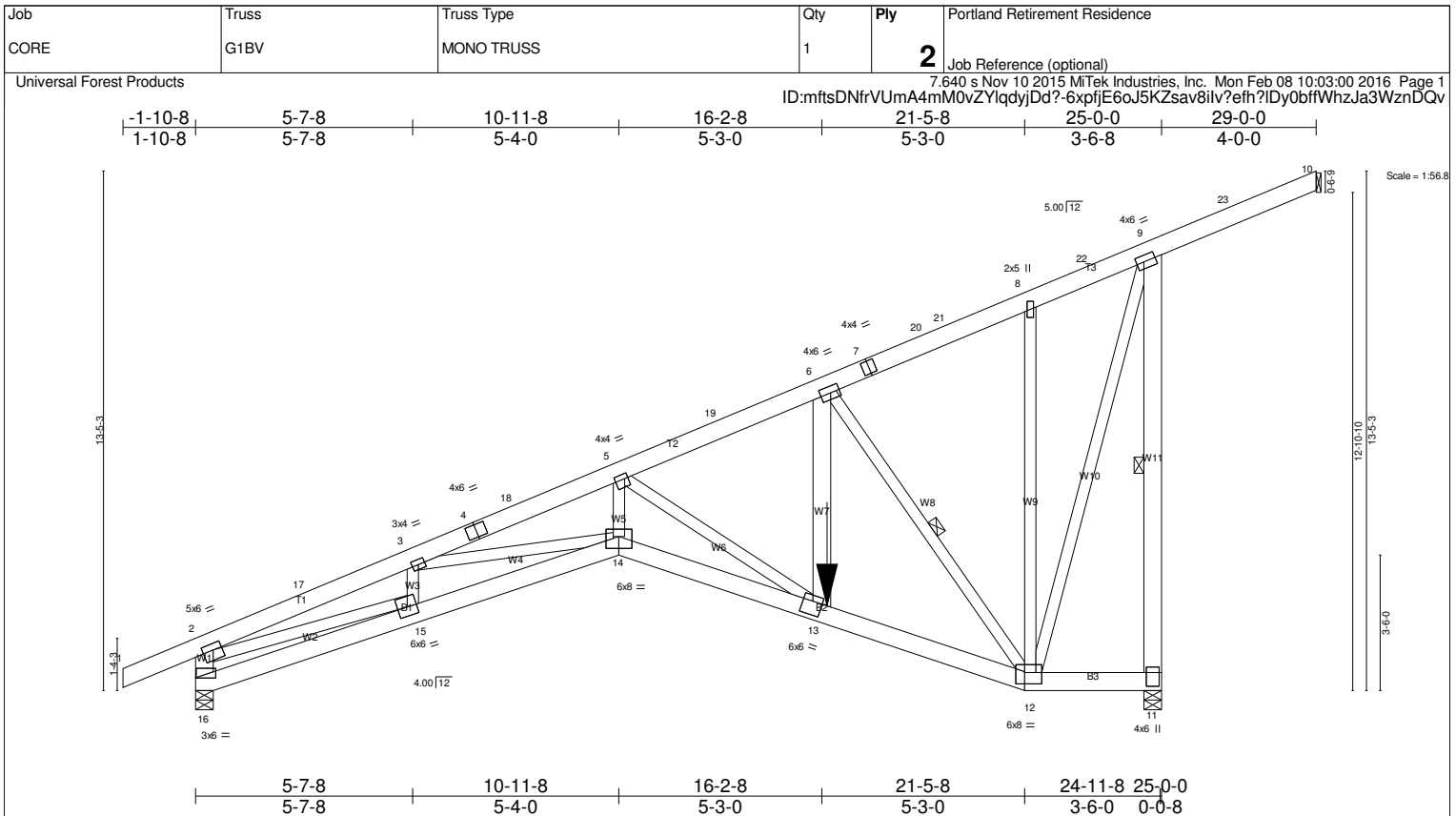


Plate Offsets (X,Y)-- [2:0-2,12,0-2-0], [5:0-1-0,0-1-8], [6:0-2-12,0-2-0], [9:0-2-4,0-2-0], [11:0-4-4,0-2-0], [12:0-5-4,0-3-8], [13:0-3-0,0-4-4], [14:0-4-0,0-3-12], [15:0-3-0,0-2-12], [16:0-0-4,0-0-1]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.88 BC 0.68 WB 0.88 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.31 14-15 >959 360 Vert(TL) -0.44 14-15 >673 240 Horz(TL) -0.28 16 n/a n/a	MT20	197/144
				Weight: 386 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 *Except* T3: 2x6 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SPF No.3 *Except* W11,W7,W1: 2x6 SPF No.2	6-0-0 oc bracing: 11-12. WEBS 1 Row at midpt 9-11, 6-12

REACTIONS. (lb/size) 10=0/Mechanical, 11=3854/0-5-8, 16=2225/0-5-8
 Max Horz 10=1275(LC 1), 11=-1275(LC 1)
 Max Uplift 11=-1121(LC 9), 16=-619(LC 9)
 Max Grav 11=4355(LC 2), 16=2301(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-17=-5473/1204, 3-17=-5247/1220, 3-4=-5745/1282, 4-18=-5624/1285, 5-18=-5622/1294, 5-19=-1749/593, 6-19=-1534/602, 6-7=-229/662,
 7-20=-215/764, 20-21=-212/791, 8-21=-203/860, 8-22=-72/1155, 9-22=-56/1220, 9-23=-225/1034, 10-23=-214/1162, 9-11=-4334/1226,
 2-16=-2402/650
 BOT CHORD 15-16=-116/918, 14-15=-1002/5121, 13-14=-953/5468, 12-13=-155/1649, 11-12=-1330/655
 WEBS 3-15=-798/252, 3-14=-292/412, 5-14=-557/3412, 5-13=-4454/922, 6-13=-708/3008, 6-12=-3711/1016, 8-12=-91/530, 2-15=-837/3985,
 9-12=-773/2259

JOINT STRESS INDEX
 2 = 0.83, 3 = 0.64, 4 = 0.67, 5 = 0.84, 6 = 0.82, 7 = 0.21, 8 = 0.31, 9 = 0.92, 11 = 0.77, 12 = 0.84, 13 = 0.75, 14 = 0.99, 15 = 0.61 and 16 = 0.92

- NOTES-**
- 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 0-9-0 oc.
 - 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Refer to girder(s) for truss to truss connections.
 - Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1121 lb uplift at joint 11 and 619 lb uplift at joint 16.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1481 lb down and 484 lb up at 16-3-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G1BV	MONO TRUSS	1	2	Job Reference (optional)

Universal Forest Products

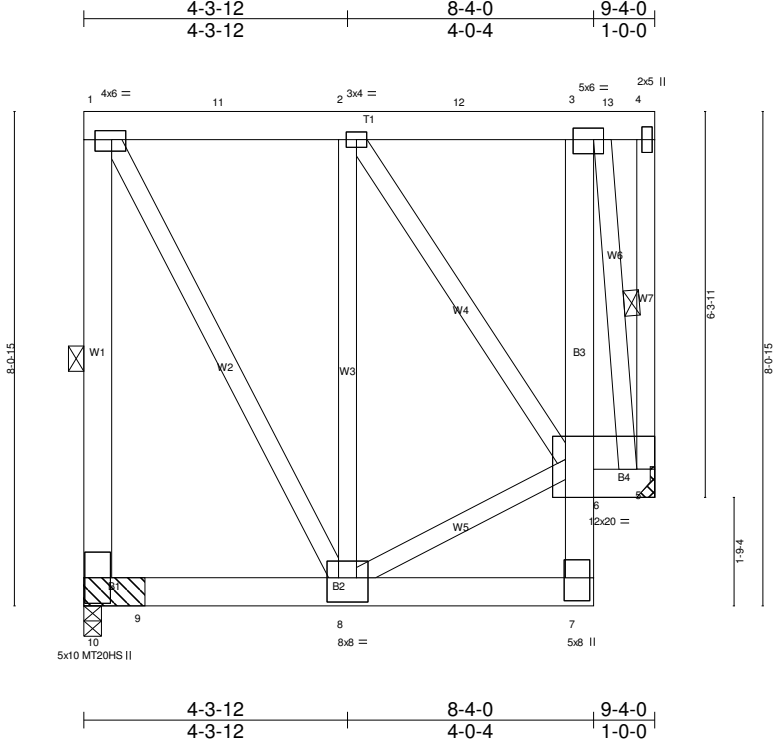
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LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 14-16=-20, 12-14=-20, 11-12=-20
 - Concentrated Loads (lb)
 - Vert: 13=-1481(F)
 - Trapezoidal Loads (plf)
 - Vert: 1=-173-to-2=-167, 2=-167-to-9=-105, 9=-105-to-10=-94
- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 14-16=-20, 12-14=-20, 11-12=-20
 - Concentrated Loads (lb)
 - Vert: 13=-1481(F)
 - Trapezoidal Loads (plf)
 - Vert: 1=-173-to-2=-167, 2=-167-to-21=-118, 21=-179-to-9=-166, 9=-166-to-10=-155
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 14-16=-20, 12-14=-20, 11-12=-20
 - Concentrated Loads (lb)
 - Vert: 13=-753(F)
 - Trapezoidal Loads (plf)
 - Vert: 1=-117-to-2=-111, 2=-111-to-9=-49, 9=-49-to-10=-38
- 13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 14-16=-20, 12-14=-20, 11-12=-20
 - Concentrated Loads (lb)
 - Vert: 13=-442(F)
 - Trapezoidal Loads (plf)
 - Vert: 1=-253-to-2=-247, 2=-87-to-9=-25, 9=-25-to-10=-14

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G1CB	ROOF TRUSS	1	1	Job Reference (optional)

Universal Forest Products
 ID:P90611AOhVrivmuW7sLbIOyJDdc-a7Mfwa7Q4OSQUkULF?REBtEGAd1K8Hgd37byznDQu
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Scale = 1:37.7

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.46 BC 0.63 WB 0.73 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.04 8-10 >999 360 Vert(TL) -0.06 8-10 >999 240 Horz(TL) -0.02 5 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0				Weight: 102 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SPF No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SPF No.3 *Except*	WEBS 8-3-0 oc bracing: 8-10.
W1: 2x6 SPF No.2	1 Row at midpt 1-10, 3-5

REACTIONS. (lb/size) 10=2613/(0-3-8 + bearing block) (req. 0-4-2), 5=2613/Mechanical
 Max Horz 10=1387(LC 5)
 Max Uplift 10=-156(LC 5), 5=-1364(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-10=-1823/0, 1-11=-850/0, 2-11=-850/0, 2-12=-397/125, 3-12=-397/125, 4-5=-330/0
 BOT CHORD 9-10=-1397/1022, 8-9=-1397/1022, 7-8=-303/380, 6-7=-235/745, 3-6=-650/1316
 WEBS 1-8=0/1650, 2-8=-156/375, 6-8=-1165/963, 2-6=-800/420, 3-5=-1577/844

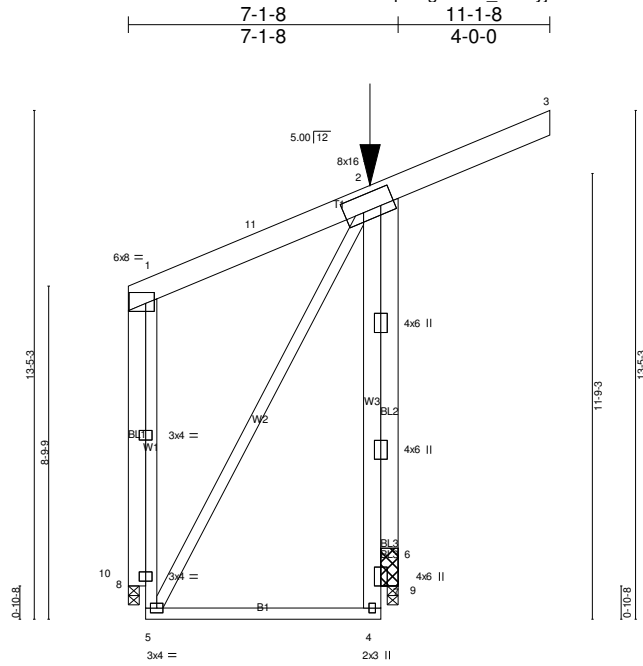
JOINT STRESS INDEX
 1 = 0.95, 2 = 0.39, 3 = 0.81, 4 = 0.98, 5 = 0.70, 6 = 0.00, 7 = 0.96, 8 = 0.66, 9 = 0.00, 9 = 0.00, 10 = 0.83 and 10 = 0.00

- NOTES-**
- 2x6 SPF 2100F 1.8E bearing block 12" long at jt. 10 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. User Defined Bearing crushing capacity= 425psi.
 - 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 ; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 156 lb uplift at joint 10 and 1364 lb uplift at joint 5.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - 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.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-173, 7-10=-411(F=391), 5-6=-411(F=-391)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G2ANC	MONO TRUSS	1	2	Job Reference (optional)
Universal Forest Products					7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:01 2016 Page 1

ID:DmKX9SrqHvJgYTI8U_r1dUyjDe2-a7M1wa7Q4OSQUkULF?REBtEEedOVKERgwd37byznDQu



Scale = 1/60.8

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.62 BC 0.21 WB 0.33 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.04 4 >999 360 Vert(TL) -0.11 4-5 >762 240 Horz(TL) -0.03 9 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 226 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x8 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3 *Except* W3: 2x6 SPF No.2 OTHERS 2x6 SPF No.2	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=5489/(0-3-8 + bearing block) (req. 0-4-7), 10=617/0-3-8
Max Horz 10=286(LC 9)
Max Uplift 9=-2447(LC 9)
Max Grav 9=5670(LC 2), 10=617(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-314/0, 5-8=0/514, 1-8=0/514
BOT CHORD 4-5=-91/268
WEBS 2-5=-515/0

JOINT STRESS INDEX
1 = 0.28, 2 = 0.80, 4 = 0.16, 5 = 0.27, 6 = 0.00, 6 = 0.00, 6 = 0.00, 6 = 0.83, 6 = 0.83, 7 = 0.00, 7 = 0.00, 7 = 0.00, 7 = 0.00, 7 = 0.00, 7 = 0.00, 8 = 0.00, 8 = 0.00 and 8 = 0.00

- NOTES-**
- Ply to ply nailing inadequate
 - 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - 2x6 SPF No.2 bearing block 12" long at jt. 6 attached to each face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners per block. Bearing is assumed to be SPF No.2.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Bearing at joint(s) 9, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2447 lb uplift at joint 9.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5000 lb down and 1634 lb up at 6-10-0 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: 4-5=-20, 1-2=-94, 2-3=-94

Job CORE	Truss G2ANC	Truss Type MONO TRUSS	Qty 1	Ply 2	Portland Retirement Residence Job Reference (optional)
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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 2=-5000

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

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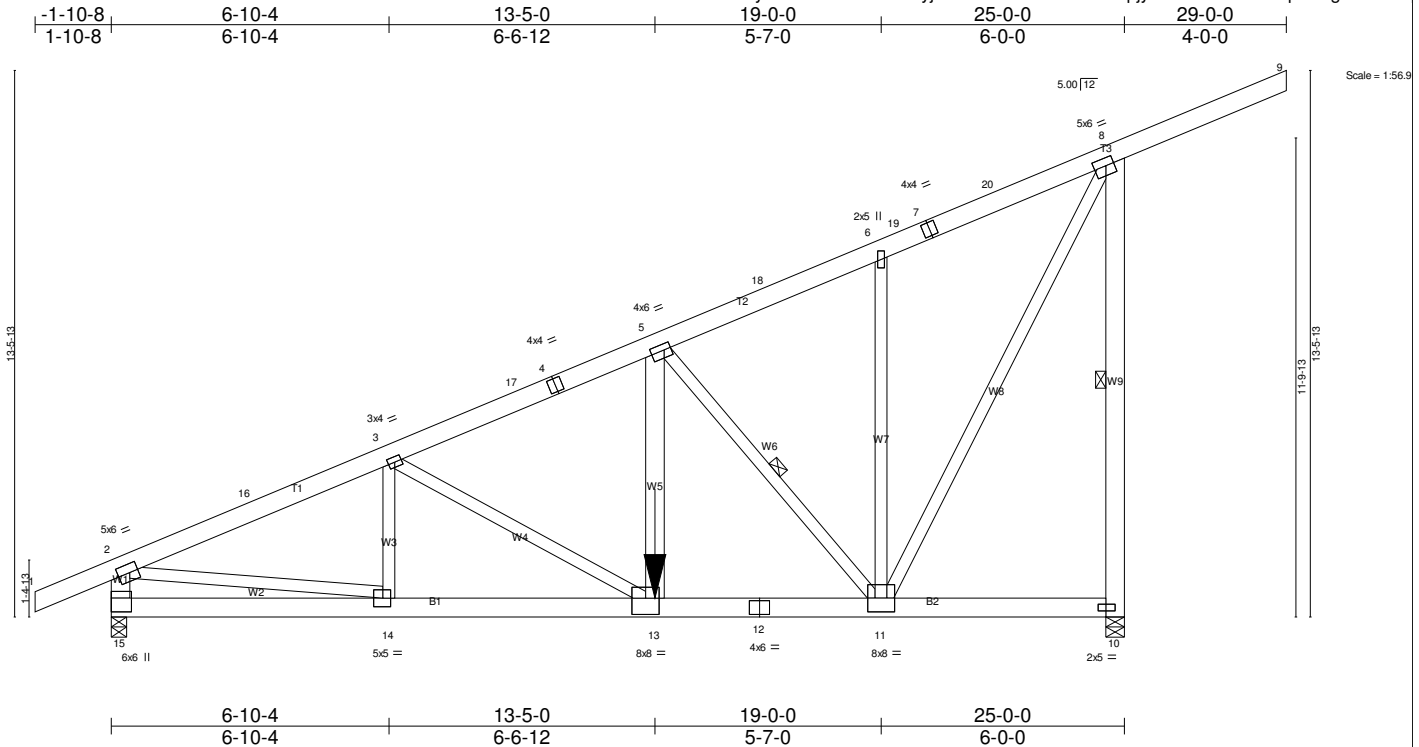


Plate Offsets (X,Y)--	[2:0-2-8,0-2-8], [5:0-2-0,0-1-12], [8:0-2-8,0-2-4], [10:0-2-4,0-1-0], [13:0-4-0,0-4-12], [14:0-2-4,0-2-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.83 BC 0.62 WB 1.00 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.15 13-14 >999 360 Vert(TL) -0.26 13-14 >999 240 Horz(TL) 0.05 10 n/a n/a	MT20	197/144
				Weight: 376 lb	FT = 4%

LUMBER-	BRACING-
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, W2,W8: 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-11-6 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: WEBS 1 Row at midpt 8-10, 5-11

REACTIONS. (lb/size) 15=3795/0-4-9, 10=4406/0-5-8
 Max Horz 15=807(LC 9)
 Max Uplift 15=1098(LC 9), 10=1823(LC 9)
 Max Grav 15=3807(LC 2), 10=4972(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-15=-3647/1112, 2-16=-6224/1586, 3-16=-6069/1606, 3-17=-6381/1662, 4-17=-6263/1663, 4-5=-6233/1673, 5-18=-2648/503, 6-18=-2531/510,
 6-19=-2615/589, 7-19=-2594/591, 7-20=-2531/597, 8-20=-2371/606, 8-9=-283/0, 8-10=-4903/1850
 BOT CHORD 14-15=-920/978, 13-14=-2094/5603, 12-13=-2012/5791, 11-12=-2012/5791
 WEBS 2-14=-1188/4679, 3-14=-688/269, 5-13=-1555/4831, 5-11=-5312/1882, 6-11=-438/202, 8-11=-1764/5144

JOINT STRESS INDEX
 2 = 0.92, 3 = 0.64, 4 = 0.86, 5 = 0.92, 6 = 0.31, 7 = 0.39, 8 = 0.89, 10 = 0.76, 11 = 0.81, 12 = 0.84, 13 = 0.81, 14 = 0.82 and 15 = 0.94

- NOTES-**
- 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 0-6-0 oc.
 - 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1098 lb uplift at joint 15 and 1823 lb uplift at joint 10.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4808 lb down and 1571 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=-4808(F)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G3ANC	SPECIAL	1	2	

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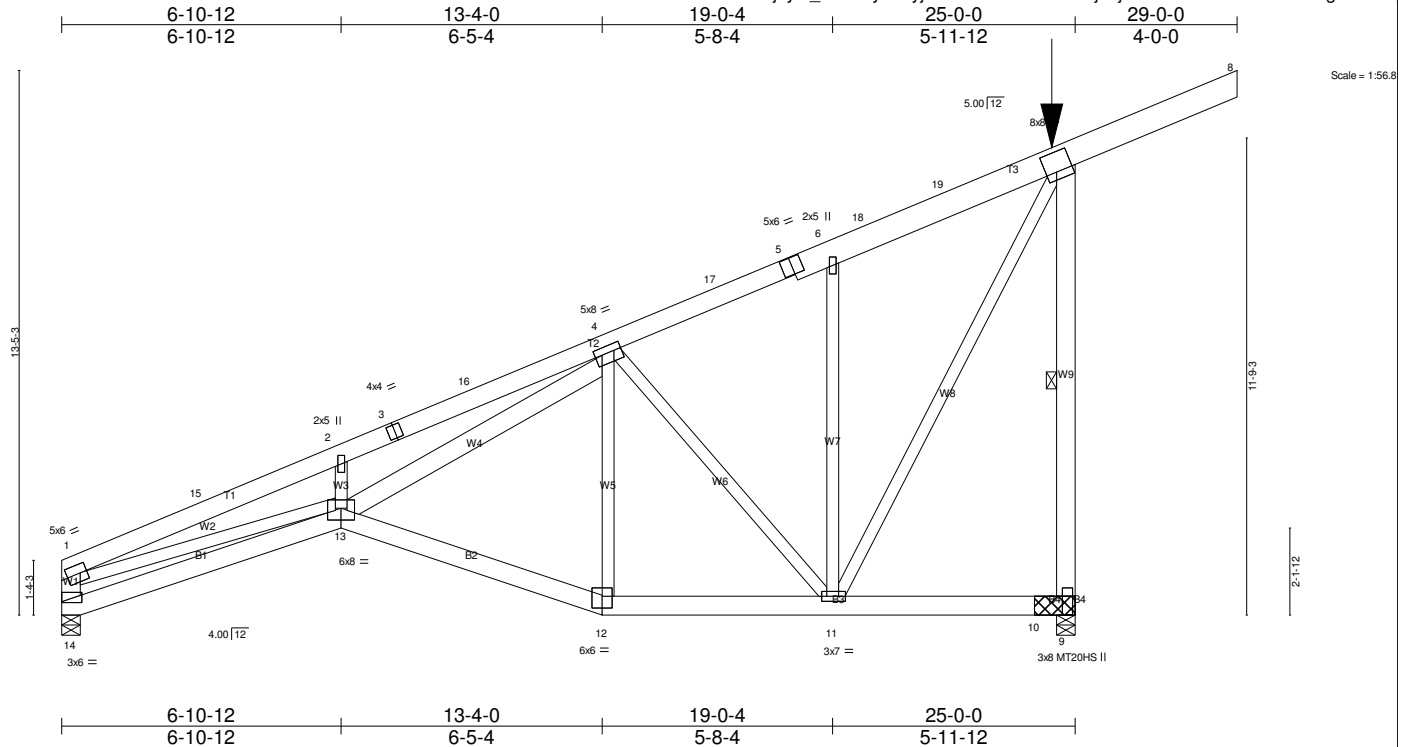


Plate Offsets (X,Y)-- [1:0-2-0,0-2-8], [4:0-4-0,0-2-0], [7:0-3-0,0-5-12], [9:0-5-8,Edge], [11:0-1-8,0-1-8], [12:0-3-0,0-3-8], [13:0-4-0,0-3-8], [14:0-0-0,0-0-5]
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LOADING (psf) TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	CSI. TC 0.51 BC 0.37 WB 0.62 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.17 12-13 >999 360 Vert(TL) -0.28 12-13 >999 240 Horz(TL) 0.12 9 n/a n/a	PLATES GRIP MT20 197/144 MT20HS 148/108 Weight: 390 lb FT = 4%
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LUMBER- TOP CHORD 2x6 SPF No.2 *Except* T3: 2x8 SPF No.2 BOT CHORD 2x6 SPF No.2 WEBS 2x4 SPF No.3 *Except* W9,W4,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, Except: 6-0-0 oc bracing: 9-11. WEBS 1 Row at midpt 7-9
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REACTIONS. (lb/size) 9=6831/(0-5-8 + bearing block) (req. 0-5-12), 14=1365/0-5-8
 Max Horz 14=661(LC 6)
 Max Uplift 9=2530(LC 9), 14=309(LC 9)
 Max Grav 9=7358(LC 2), 14=1371(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-15=-4371/1241, 2-15=-4208/1252, 2-3=-4274/1381, 3-16=-4208/1386, 4-16=-4178/1398, 4-17=-819/110, 5-17=-691/120, 5-6=-659/127,
 6-18=-735/159, 18-19=-691/166, 7-19=-540/176, 7-8=-283/0, 7-9=-7273/2601, 1-14=-1546/529
 BOT CHORD 13-14=-782/1153, 12-13=-387/1419, 11-12=-371/1358
 WEBS 2-13=-437/325, 4-13=-1220/3029, 4-11=-1109/500, 6-11=-359/239, 7-11=-511/1391, 1-13=-728/2816

JOINT STRESS INDEX
 1 = 0.93, 2 = 0.31, 3 = 0.78, 4 = 0.88, 5 = 0.19, 6 = 0.31, 7 = 0.75, 9 = 0.87, 9 = 0.00, 9 = 0.00, 10 = 0.00, 10 = 0.00, 10 = 0.00, 11 = 0.92, 12 = 0.41, 13 = 0.69 and 14 = 0.83

- NOTES-**
- 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, 2x8 - 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 0-9-0 oc.
 - 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.
 - 2x6 SPF No.2 bearing block 12" long at jt. 9 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2530 lb uplift at joint 9 and 309 lb uplift at joint 14.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5000 lb down and 1634 lb up at 24-6-8 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

Job CORE	Truss G3ANC	Truss Type SPECIAL	Qty 1	Ply 2	Portland Retirement Residence Job Reference (optional)
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LOAD CASE(S) Standard

Uniform Loads (plf)

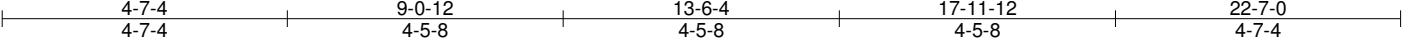
Vert: 1-7=-94, 7-8=-94, 13-14=-20, 12-13=-20, 9-12=-20

Concentrated Loads (lb)

Vert: 7=-5000

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G3E	FLAT	1	2	

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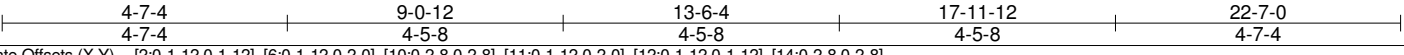
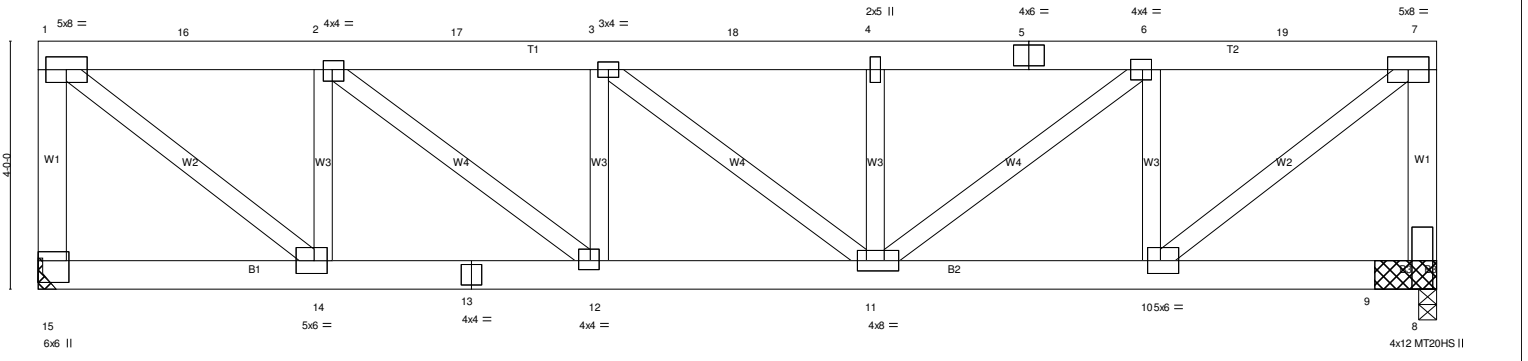


Plate Offsets (X,Y)-- [2:0-1-12,0-1-12], [6:0-1-12,0-2-0], [10:0-2-8,0-2-8], [11:0-1-12,0-2-0], [12:0-1-12,0-1-12], [14:0-2-8,0-2-8]

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 NO Code IBC2009/TPI2007	CSI. TC 0.37 BC 0.75 WB 0.73 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.15 11-12 >999 360 Vert(TL) -0.25 11-12 >999 240 Horz(TL) 0.05 8 n/a n/a	PLATES GRIP MT20 197/144 MT20HS 148/108 Weight: 278 lb FT = 4%
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LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x6 SPF No.2
 WEBS 2x4 SPF No.3 *Except*
 W1: 2x6 SPF No.2, W2: 2x4 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.

REACTIONS. (lb/size) 15=4808/Mechanical, 8=4808/(0-3-8 + bearing block) (req. 0-3-12)
 Max Horz 15=166(LC 5)
 Max Uplift 15=1522(LC 5), 8=1522(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-15=-4656/1501, 1-16=-4893/1595, 2-16=-4893/1595, 2-17=-7343/2364, 3-17=-7343/2364, 3-18=-7319/2355, 4-18=-7319/2355, 4-5=-7319/2355, 5-6=-7319/2355, 6-19=-4899/1597, 7-19=-4899/1597, 7-8=-4659/1503
 BOT CHORD 14-15=-207/276, 13-14=-1640/4893, 12-13=-1640/4893, 11-12=-2392/7343, 10-11=-1592/4899, 9-10=-125/274, 8-9=-125/274
 WEBS 2-14=-3766/1277, 3-12=-1838/660, 4-11=-1827/645, 6-10=-3757/1274, 1-14=-1884/5940, 2-12=-1003/3128, 6-11=-990/3090, 7-10=-1888/5950

JOINT STRESS INDEX
 1 = 0.92, 2 = 0.79, 3 = 0.54, 4 = 0.32, 5 = 0.77, 6 = 0.88, 7 = 0.91, 8 = 0.96, 8 = 0.00, 8 = 0.00, 9 = 0.00, 9 = 0.00, 9 = 0.00, 10 = 0.93, 11 = 0.87, 12 = 0.79, 13 = 0.94, 14 = 0.93 and 15 = 0.96

- NOTES-**
- 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.
 - 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.
 - 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1522 lb uplift at joint 15 and 1522 lb uplift at joint 8.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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.
 - Girder carries tie-in span(s): 13-6-8 from 0-0-0 to 22-7-0

LOAD CASE(S) Standard
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 8-15=-20, 1-7=-415

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G4D	MONO TRUSS	1	1	Job Reference (optional)

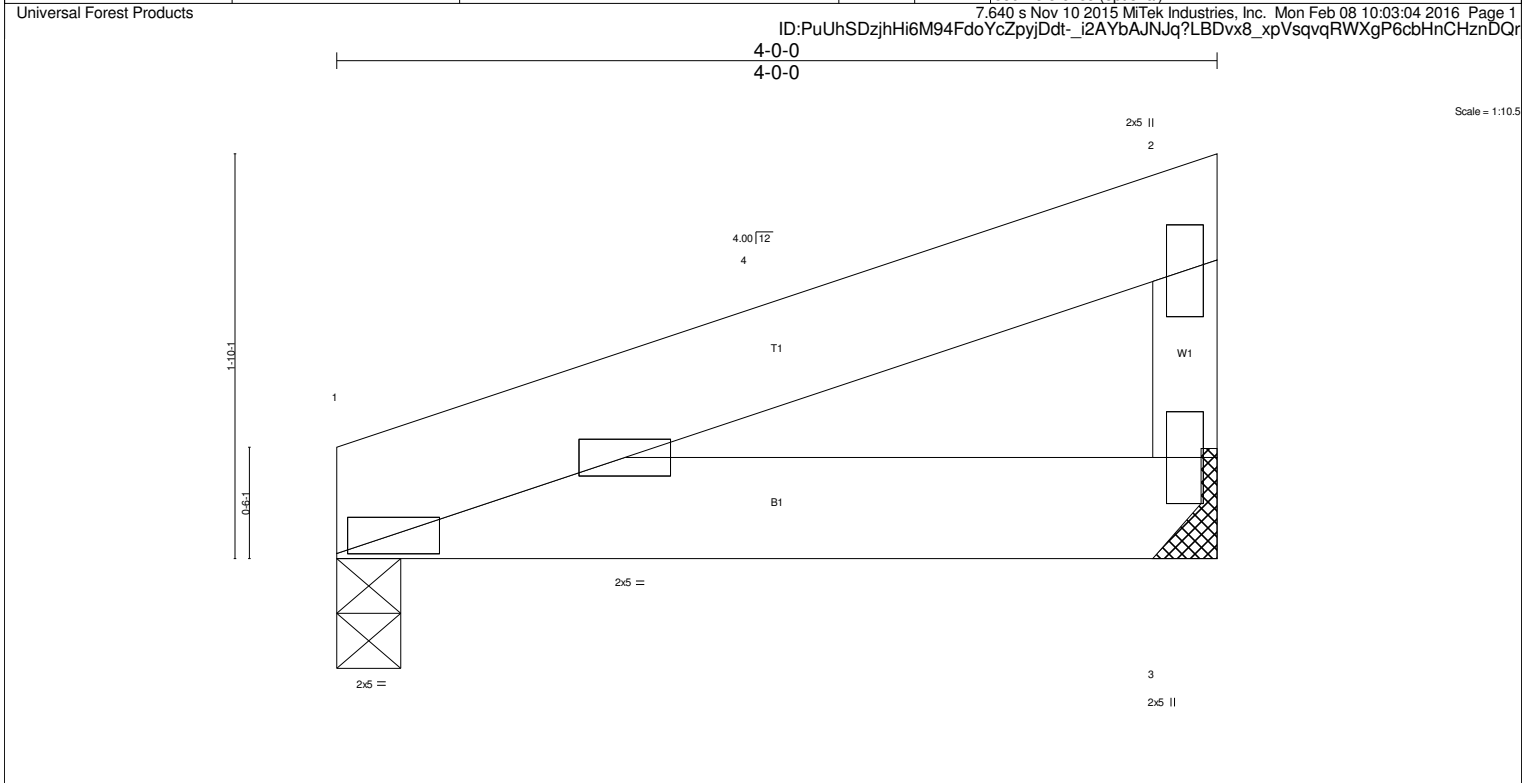


Plate Offsets (X,Y)-- [1:0-0-10,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.30 BC 0.13 WB 0.00 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.01 1-3 >999 360 Vert(TL) -0.01 1-3 >999 240 Horz(TL) -0.00 3 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr NO				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 16 lb	FT = 4%

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 4-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=310/0-3-8, 3=310/Mechanical
 Max Horz 1=68(LC 6)
 Max Uplift 1=-97(LC 9), 3=-108(LC 9)
 Max Grav 1=393(LC 15), 3=393(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-326/93

JOINT STRESS INDEX
 1 = 0.10, 1 = 0.00, 2 = 0.32 and 3 = 0.10

- 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 97 lb uplift at joint 1 and 108 lb uplift at joint 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.
 - 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-73(F=-53), 1-2=-94

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G8	SPECIAL	2	1	

Job Reference (optional)

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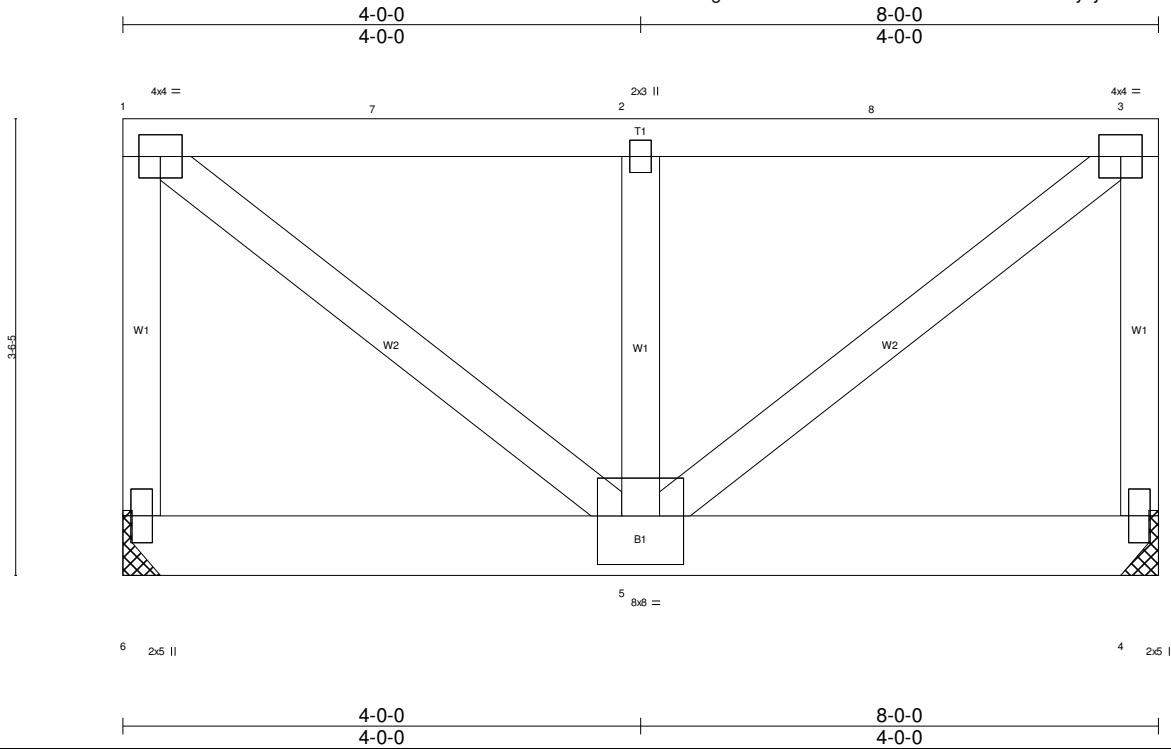


Plate Offsets (X,Y)-- [5:0-4:0,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.57 BC 0.32 WB 0.54 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.03 4-5 >999 360 Vert(TL) -0.04 5-6 >999 240 Horz(TL) -0.00 4 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 43 lb	FT = 4%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=1286/Mechanical, 4=1286/Mechanical
Max Horz 6=-148(LC 5)
Max Uplift 6=-461(LC 5), 4=-461(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-912/358, 1-7=-941/367, 2-7=-941/367, 2-8=-941/367, 3-8=-941/367, 3-4=-912/358
WEBS 1-5=-455/1216, 2-5=-440/223, 3-5=-455/1216

JOINT STRESS INDEX
1 = 0.78, 2 = 0.26, 3 = 0.78, 4 = 0.32, 5 = 0.52 and 6 = 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 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) 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 461 lb uplift at joint 6 and 461 lb uplift at joint 4.
 - 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.
 - 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-94, 4-6=-240(F=-220)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G14A	MONO TRUSS	1	1	

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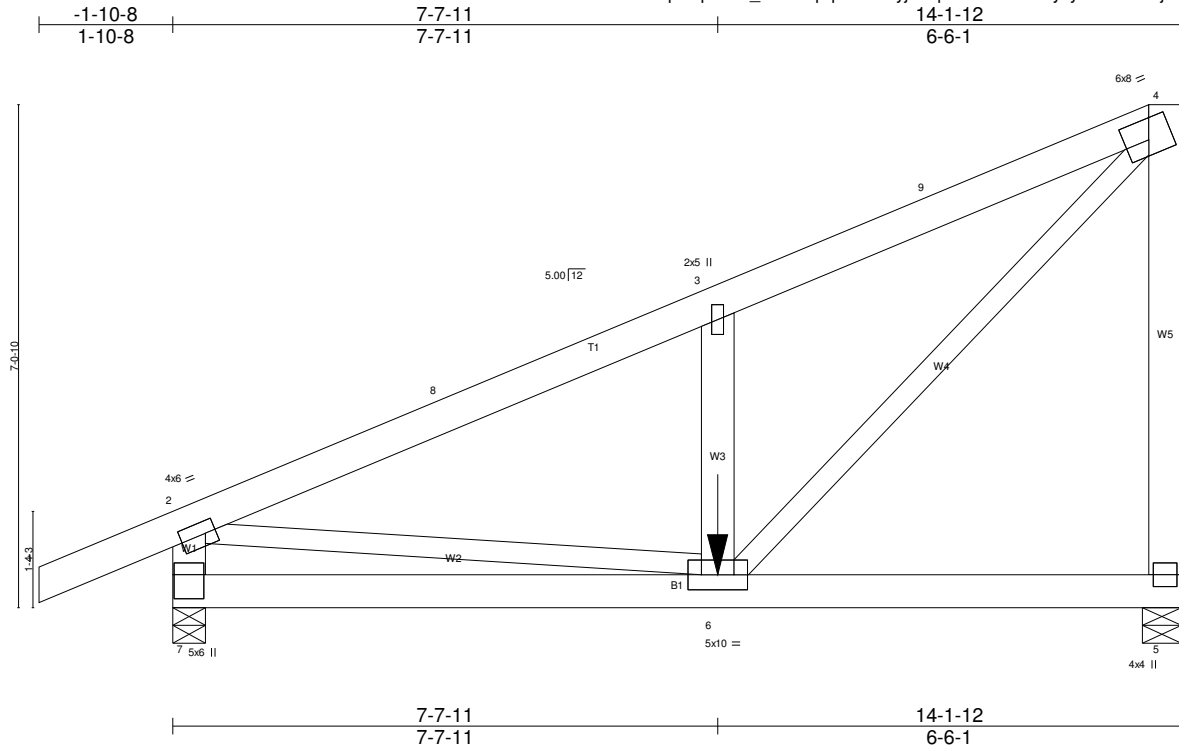


Plate Offsets (X,Y)-- [2:0-1-12,0-2-0], [4:0-4-0-0-3-8], [7:0-4-0-0-2-8]

LOADING (psf)	SPACING	CSI	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.68 BC 0.27 WB 0.93 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.05 6 >999 360 Vert(TL) -0.08 6-7 >999 240 Horz(TL) 0.00 5 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 93 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x6 SPF No.2
 WEBS 2x6 SPF No.2 *Except*
 W2,W4: 2x4 SPF No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-7-7 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 7=1181/0-5-8, 5=987/0-6-9
 Max Horz 7=359(LC 6)
 Max Uplift 7=435(LC 9), 5=354(LC 9)
 Max Grav 7=1240(LC 2), 5=1185(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-7=-1134/468, 2-8=-1403/337, 3-8=-1265/349, 3-9=-1433/498, 4-9=-1265/516, 4-5=-1089/383
 BOT CHORD 6-7=-341/474
 WEBS 2-6=-78/700, 3-6=-775/384, 4-6=-594/1602

JOINT STRESS INDEX
 2 = 0.86, 3 = 0.29, 4 = 0.98, 5 = 0.85, 6 = 0.94 and 7 = 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
 - 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 435 lb uplift at joint 7 and 354 lb uplift at joint 5.
 - 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.
 - 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 410 lb down and 134 lb up at 7-7-11 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-94, 2-4=-94, 5-7=-20
 Concentrated Loads (lb)
 Vert: 6=-410(F)

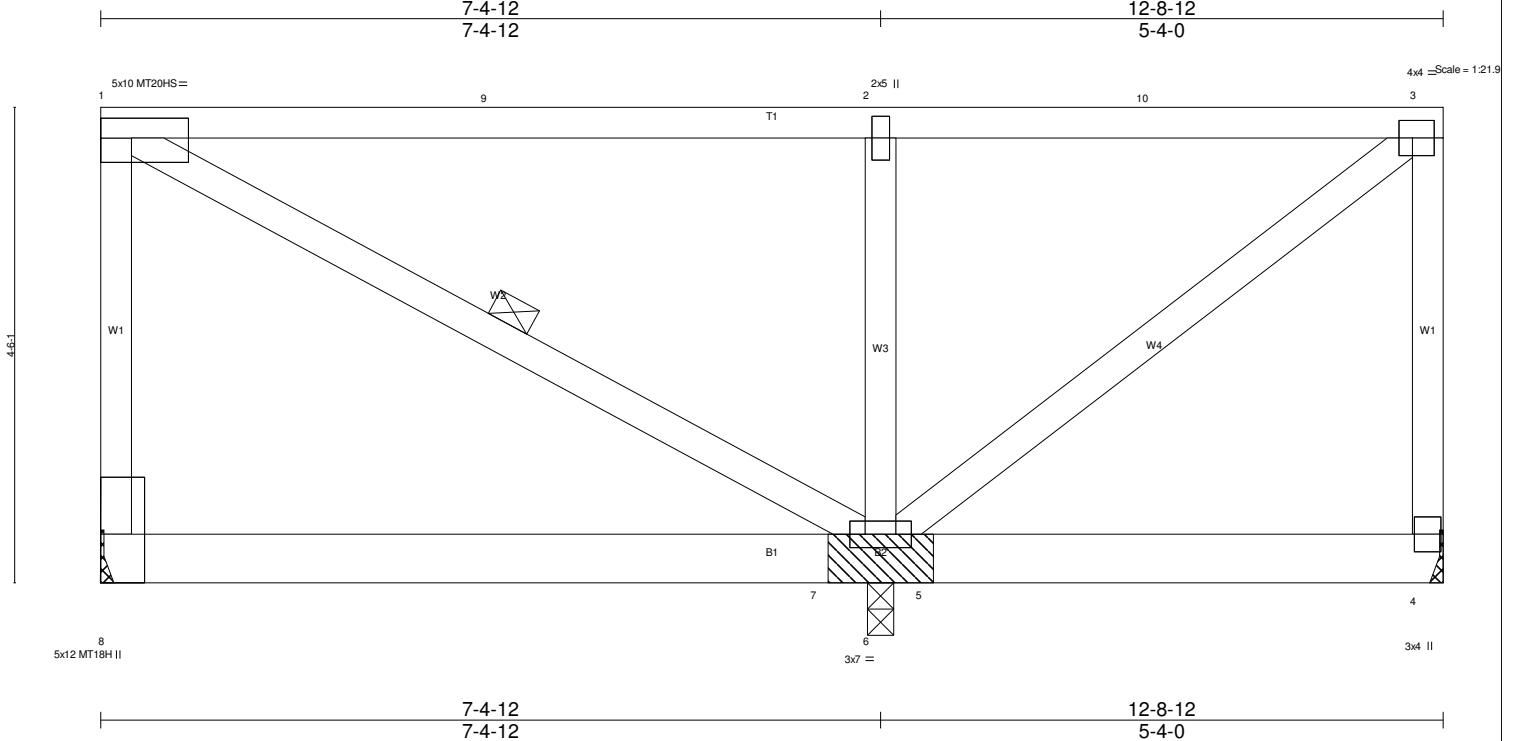


Plate Offsets (X,Y)-- [1:Edge,0-2-4], [3:0-1-8,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0	TC 0.93	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plate Grip DOL 1.15	BC 0.78	Vert(LL) -0.09 6-8 >953 360	MT20HS	148/108
BCLL 0.0	Lumber DOL 1.15	WB 0.25	Vert(TL) -0.18 6-8 >478 240	MT18H	197/144
BCDL 10.0	Rep Stress Incr NO	(Matrix)	Horz(TL) -0.00 4 n/a n/a	Weight: 68 lb	FT = 4%
	Code IBC2009/TPI2007				

LUMBER-
TOP CHORD 2x4 SPF No.2
BOT CHORD 2x6 SPF No.2
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 6-0-0 oc bracing.
WEBS 1 Row at midpt 1-6

REACTIONS. (lb/size) 8=837/Mechanical, 4=503/Mechanical, 6=2013/(0-3-0 + bearing block) (req. 0-3-3)
Max Horz 8=-194(LC 5)
Max Uplift 8=-309(LC 5), 4=-206(LC 6), 6=-707(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-326/159, 3-4=-313/120
WEBS 2-6=-644/328

JOINT STRESS INDEX
1 = 0.90, 2 = 0.22, 3 = 0.89, 4 = 0.71, 5 = 0.00, 5 = 0.00, 6 = 0.19, 6 = 0.00, 7 = 0.00, 7 = 0.00 and 8 = 0.99

- NOTES-**
- 1) 2x6 SPF No.2 bearing block 12" long at jt. 6 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 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, Lu=50-0-0
 - 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 309 lb uplift at joint 8, 206 lb uplift at joint 4 and 707 lb uplift at joint 6.
 - 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) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-94, 4-8=-176(F=-156)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G14C	ROOF TRUSS	1	2	

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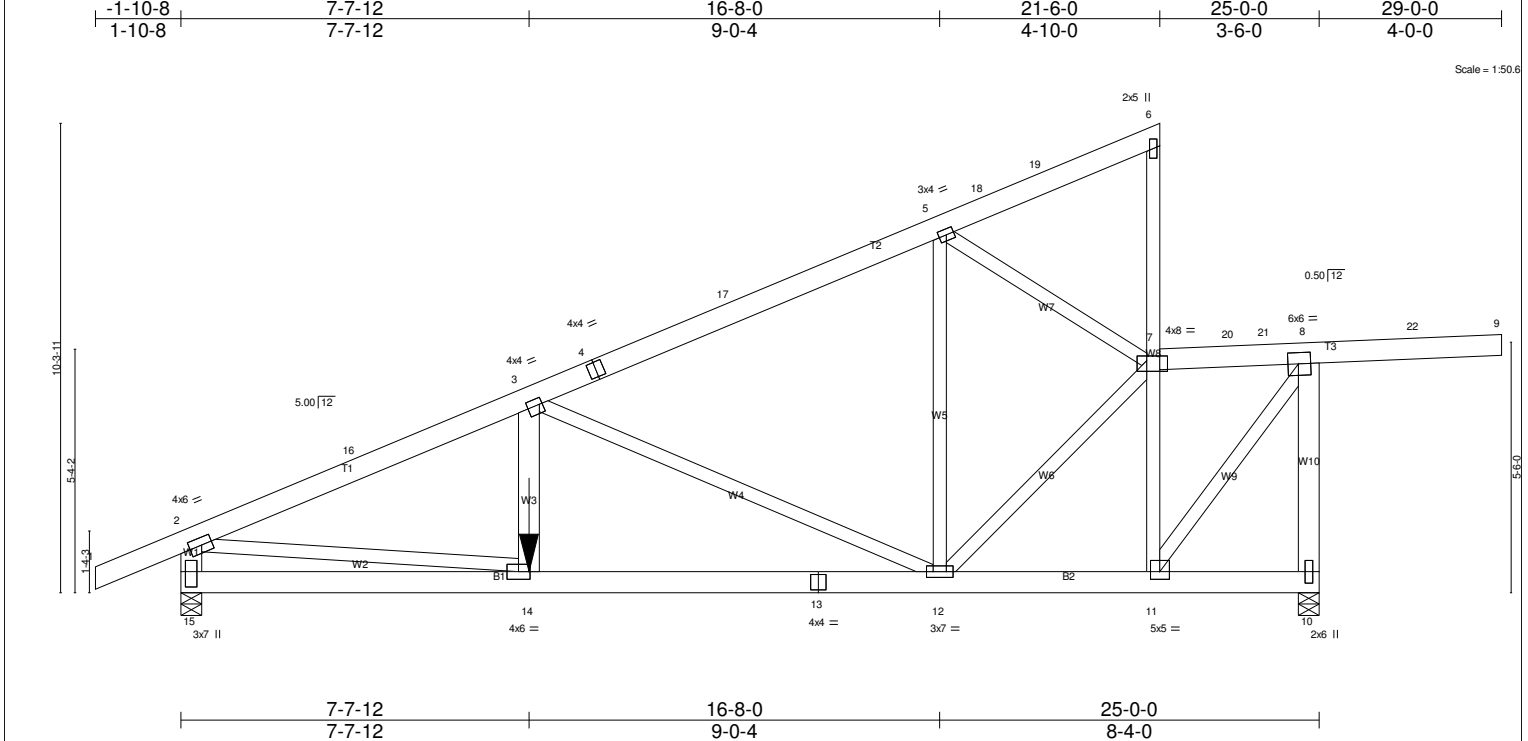


Plate Offsets (X,Y)-- [2:0-2-12,0-2-0], [3:0-0-12,0-1-12], [7:0-5-8,0-1-4], [8:0-2-12,0-3-0], [11:0-2-8,0-2-0], [15:0-4-0,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.57 BC 0.31 WB 0.63 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.08 12-14 >999 360 Vert(TL) -0.12 12-14 >999 240 Horz(TL) 0.02 10 n/a n/a	MT20	197/144
Weight: 354 lb FT = 4%					

LUMBER-
 TOP CHORD 2x6 SPF No.2 *Except*
 T3: 2x6 SPF 2100F 1.8E
 BOT CHORD 2x6 SPF No.2
 WEBS 2x4 SPF No.3 *Except*
 W10,W1,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:
 10-0-0 oc bracing: 12-14.

REACTIONS. (lb/size) 10=2611/0-5-8, 15=1946/0-5-8
 Max Horz 15=932(LC 9)
 Max Uplift 10=686(LC 9), 15=969(LC 9)
 Max Grav 10=2611(LC 1), 15=1971(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-16=2877/1221, 3-16=2635/1243, 3-4=1445/394, 4-17=1287/403, 5-17=1282/418, 7-11=1236/809, 6-7=312/97, 7-20=809/562,
 20-21=789/575, 8-21=785/584, 8-10=2567/619, 2-15=1856/890
 BOT CHORD 14-15=1107/633, 13-14=1884/2528, 12-13=1884/2528, 11-12=600/834
 WEBS 3-12=1483/1055, 5-12=326/457, 5-7=1388/862, 7-12=460/538, 8-11=995/1516, 2-14=783/1911, 3-14=379/528

JOINT STRESS INDEX
 2 = 0.80, 3 = 0.63, 4 = 0.19, 5 = 0.64, 6 = 0.60, 7 = 0.57, 8 = 0.99, 10 = 0.91, 11 = 0.68, 12 = 0.78, 13 = 0.48, 14 = 0.42 and 15 = 0.97

- NOTES-**
- 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, 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 - 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 686 lb uplift at joint 10 and 969 lb uplift at joint 15.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Load case(s) 4, 5, 6, 9, 10 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 552 lb down and 323 lb up at 7-7-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard Except:
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=94, 2-6=94, 7-8=174, 8-9=174, 10-15=20
 Concentrated Loads (lb)
 Vert: 14=552(F)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G14C	ROOF TRUSS	1	2	Job Reference (optional)

Universal Forest Products

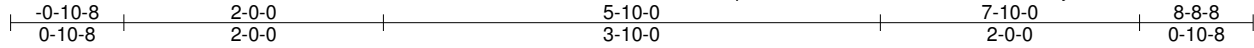
7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:07 2016 Page 2
 ID:HCCfHhHmp_ILBk9QmrhRy9hds-PHklBdCBfECZCfyUcGYeR8UGo1QLkuYIYWRpcznDQo

LOAD CASE(S) Standard Except:

- 4) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-14, 2-6=-14, 7-21=-94, 8-21=-234, 8-9=-94, 10-15=-40
 Concentrated Loads (lb)
 Vert: 14=-261(F)
- 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=43, 2-6=21, 7-21=-33, 8-21=-173, 8-22=-41, 9-22=-63, 10-15=19
 Horz: 1-2=-51, 2-6=-30, 6-7=-16, 7-8=-56, 8-22=-48, 9-22=-26, 2-15=22
 Concentrated Loads (lb)
 Vert: 14=323(F)
- 6) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=14, 2-6=21, 7-21=-33, 8-21=-173, 8-9=-11, 10-15=-10
 Horz: 1-2=-22, 2-6=-30, 6-7=-38, 7-8=-56, 8-9=-77, 2-15=-25
 Concentrated Loads (lb)
 Vert: 14=180(F)
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=69, 2-6=47, 7-21=-33, 8-21=-173, 8-9=-11, 10-15=19
 Horz: 1-2=-77, 2-6=-56, 6-7=-63, 7-8=-56, 8-9=-77, 2-15=-34
 Concentrated Loads (lb)
 Vert: 14=323(F)
- 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=47, 2-6=25, 7-21=-55, 8-21=-195, 8-9=-33, 10-15=-10
 Horz: 1-2=-55, 2-6=-34, 6-7=-41, 7-8=-34, 8-9=-55, 2-15=-34
 Concentrated Loads (lb)
 Vert: 14=73(F)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G14E	Hip Girder	1	1	

Universal Forest Products
 ID:NHIEK EanFpWFtScxLnThzwz1kcs-PHkIBdCBfECZCfyUcGYeR8UCQ1N4k0eYIYWRpcznDQo
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:07 2016 Page 1



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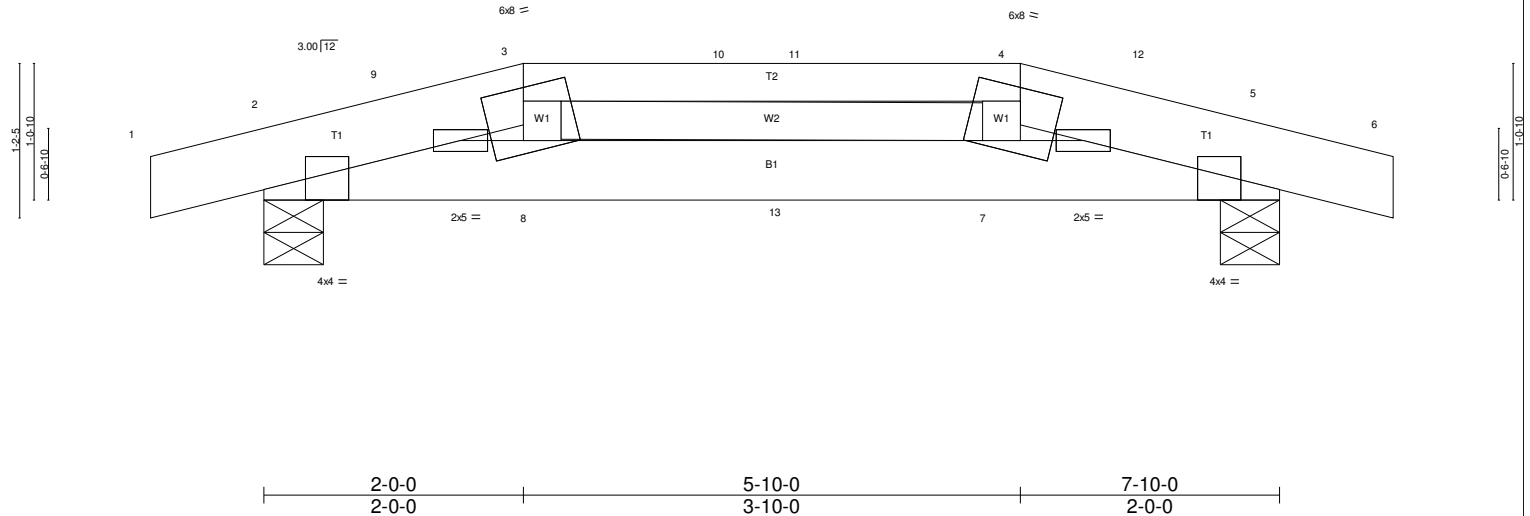


Plate Offsets (X,Y)-- [2:0-3-13,Edge], [3:0-3-12,0-1-4], [4:0-3-12,0-1-4], [5:0-3-9,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.79 BC 0.46 WB 0.10 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.04 7-8 >999 360 Vert(TL) -0.06 7-8 >999 240 Horz(TL) 0.01 5 n/a n/a	MT20	197/144
TCDL 7.0				Weight: 34 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 *Except* T2: 2x4 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins.
BOT CHORD 2x6 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3	

REACTIONS. (lb/size) 2=1118/0-5-8, 5=1118/0-5-8
 Max Horz 2=-17(LC 6)
 Max Uplift 2=-197(LC 9), 5=-196(LC 9)
 Max Grav 2=1135(LC 19), 5=1135(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-9=-1736/162, 3-9=-1665/166, 3-10=-1576/152, 10-11=-1577/152, 4-11=-1581/152, 4-12=-1684/162, 5-12=-1751/158
 BOT CHORD 2-8=-123/1555, 8-13=-115/1560, 7-13=-115/1560, 5-7=-123/1586

JOINT STRESS INDEX
 2 = 0.87, 2 = 0.00, 3 = 0.71, 4 = 0.72, 5 = 0.84, 5 = 0.00, 7 = 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; 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) Concentrated loads from layout are not present in Load Case(s): #1 Dead + Snow (balanced); #2 Dead + Snow (Unbal. Left); #3 Dead + Snow (Unbal. Right); #13 Dead + Snow on Overhangs; #14 3rd Dead + Snow (Unbal. Left); #15 4th Dead + Snow (Unbal. Left); #16 5th Dead + Snow (Unbal. Right); #17 6th Dead + Snow (Unbal. Right); #18 7th Unbal. Dead + Snow (balanced) + Parallel; #19 8th Unbal. Dead + Snow (balanced) + Parallel; #101 1st Moving Load; #201 2nd Moving Load; #301 3rd Moving Load; #401 4th Moving Load; #501 5th Moving Load; #601 6th Moving Load; #701 7th Moving Load.
 - 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 197 lb uplift at joint 2 and 196 lb uplift at joint 5.
 - 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) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 10 lb down and 47 lb up at 2-0-0, and 10 lb down and 47 lb up at 4-0-12, and 10 lb down and 47 lb up at 5-10-0 on top chord, and 5 lb down at 2-0-12, and 5 lb down at 4-0-12, and 5 lb down at 5-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-218, 3-4=-218, 4-6=-218, 2-5=-20
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15 Uniform Loads (plf) Vert: 1-3=-218, 3-11=-218, 4-11=-221, 4-6=-162, 2-5=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G14E	Hip Girder	1	1	Job Reference (optional)

Universal Forest Products

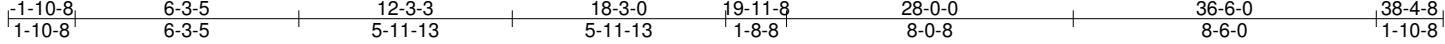
7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:07 2016 Page 2
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LOAD CASE(S) Standard

- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-162, 3-10=-221, 4-10=-218, 4-6=-218, 2-5=-20
- 13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-298, 2-3=-138, 3-4=-138, 4-5=-138, 5-6=-298, 2-5=-20
- 14) 3rd Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-162, 3-11=-218, 4-11=-221, 4-6=-162, 2-5=-20
- 15) 4th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-229, 3-4=-162, 4-6=-162, 2-5=-20
- 16) 5th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-162, 3-10=-221, 4-10=-218, 4-6=-162, 2-5=-20
- 17) 6th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-162, 3-4=-162, 4-6=-229, 2-5=-20
- 18) 7th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-162, 3-4=-261, 4-6=-162, 2-5=-20
- 19) 8th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-261, 3-4=-162, 4-6=-261, 2-5=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G16	SPECIAL	1	2	Job Reference (optional)

Universal Forest Products
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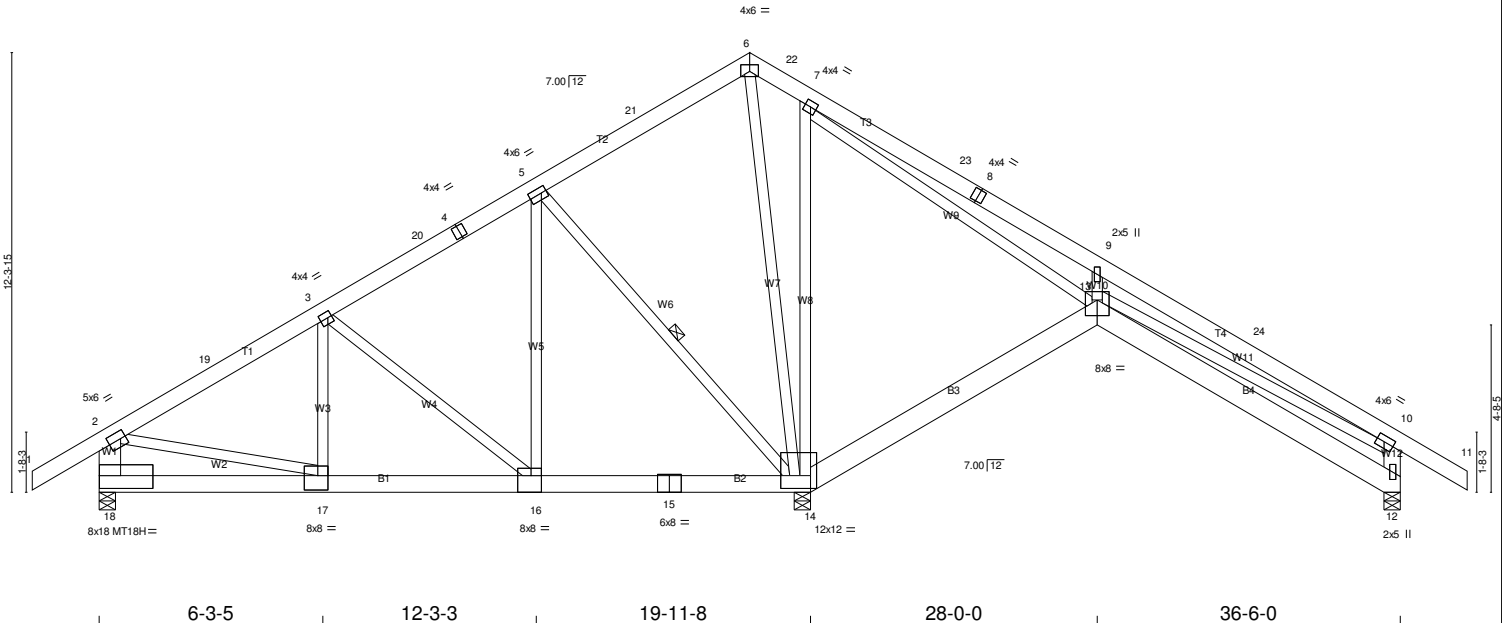


Plate Offsets (X,Y)-- [2:0-1-12,0-2-8], [3:0-1-4,0-2-0], [5:0-1-12,0-2-0], [10:0-2-8,0-2-0], [12:0-2-8,0-0-12], [13:0-4-0,0-5-4], [14:0-10-0,0-4-4], [16:0-3-8,Edge], [17:0-3-8,0-4-12], [18:0-0-2,0-4-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.62 BC 0.83 WB 1.00 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.13 14-16 >999 360 Vert(TL) -0.22 14-16 >999 240 Horz(TL) 0.03 14 n/a n/a	MT20 MT18H Weight: 518 lb	197/144 197/144 FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x8 SPF No.2 *Except*
 WEBS 2x4 SPF No.3 *Except*
 W12: 2x6 SPF No.2, W6: 2x4 SPF No.2, W1: 2x8 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 5-14

REACTIONS. (lb/size) 12=580/0-5-8, 18=5839/0-5-8, 14=6731/0-5-8
 Max Horz 18=409(LC 7)
 Max Uplift 12=380(LC 9), 18=2143(LC 9), 14=2043(LC 9)
 Max Grav 12=580(LC 1), 18=6131(LC 2), 14=6731(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-19=5865/1964, 3-19=5676/1987, 3-20=3520/1296, 4-20=3406/1297, 4-5=3293/1309, 5-21=0/693, 6-21=0/796, 6-22=0/749, 7-22=0/689,
 7-23=16/701, 8-23=18/392, 8-9=36/333, 9-24=164/629, 10-24=195/414, 10-12=610/410, 2-18=4155/1525
 BOT CHORD 17-18=685/1772, 16-17=1538/4902, 15-16=900/2973, 14-15=900/2973, 13-14=1009/552, 12-13=199/412
 WEBS 3-17=736/2486, 3-16=2588/979, 5-16=1486/4531, 5-14=4678/1678, 6-14=911/21, 7-14=1101/329, 7-13=183/497, 9-13=900/587,
 10-13=638/444, 2-17=981/3211

JOINT STRESS INDEX
 2 = 0.87, 3 = 0.80, 4 = 0.51, 5 = 0.93, 6 = 0.86, 7 = 0.61, 8 = 0.93, 9 = 0.31, 10 = 0.76, 12 = 0.84, 13 = 0.23, 14 = 0.86, 15 = 0.85, 16 = 0.79, 17 = 0.40 and 18 = 0.98

- NOTES-**
- 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, 2x8 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 380 lb uplift at joint 12, 2143 lb uplift at joint 18 and 2043 lb uplift at joint 14.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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, 2-6=-94, 6-10=-94, 10-11=-94, 13-14=-20, 12-13=-20

Job CORE	Truss G16	Truss Type SPECIAL	Qty 1	Ply 2	Portland Retirement Residence Job Reference (optional)
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Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:09 2016 Page 2
ID:b4mY2EwH5ZfvLldRluS8GTyjDce-Lgr3cJDSBsTHRy5tjha6WZZbbr_kCi0rms?YuUznDQm

LOAD CASE(S) Standard
Trapezoidal Loads (plf)

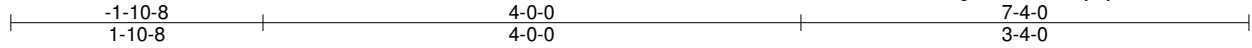
Vert: 18=-656(F=-636)-to-14=-263(F=-243)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G16A	Half Hip Girder	1	1	

Job Reference (optional)

Universal Forest Products

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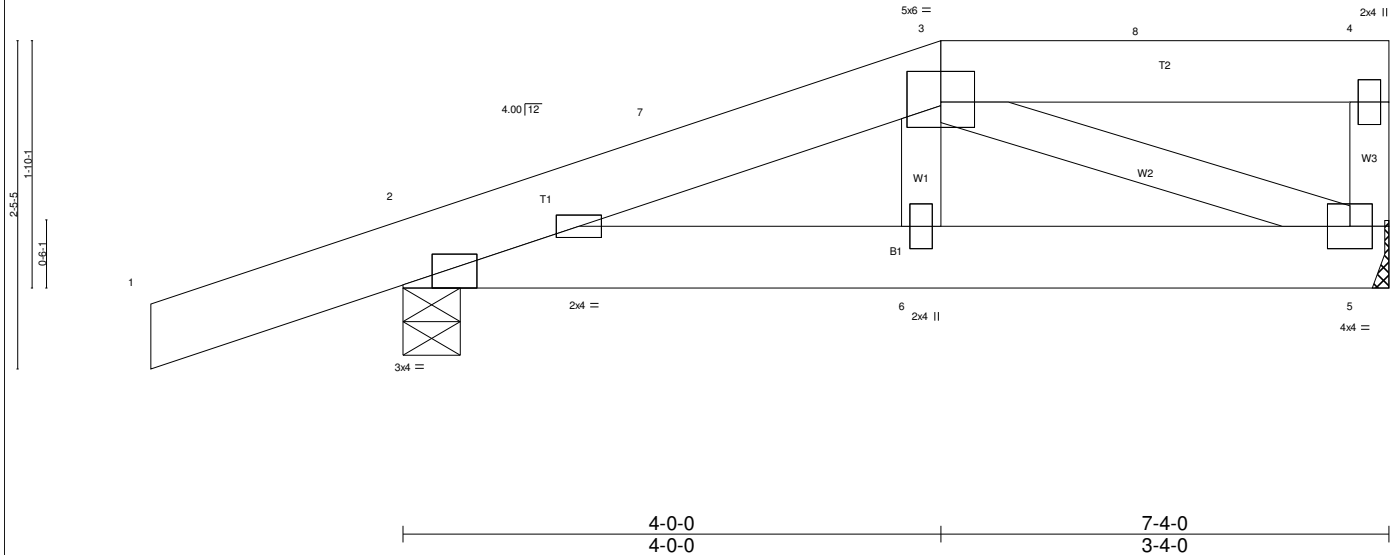


Plate Offsets (X,Y)-- [2:0-2-10,Edge], [3:0-3-0-0-2-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.40 BC 0.19 WB 0.26 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.01 6 >999 360 Vert(TL) -0.02 6 >999 240 Horz(TL) 0.01 5 n/a n/a	MT20	197/144
TCDL 7.0				Weight: 36 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

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) 5=383/Mechanical, 2=651/0-5-2
 Max Horz 2=97(LC 5)
 Max Uplift 5=-77(LC 5), 2=-213(LC 5)
 Max Grav 5=683(LC 16), 2=951(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-7=-926/45, 3-7=-843/54, 4-5=-457/57
 BOT CHORD 2-6=-66/792, 5-6=-71/788
 WEBS 3-5=-858/78

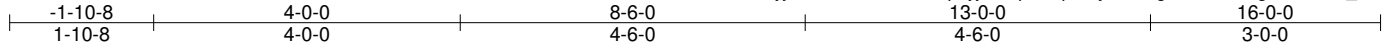
JOINT STRESS INDEX
 2 = 0.81, 2 = 0.00, 3 = 0.23, 4 = 0.27, 5 = 0.34 and 6 = 0.13

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 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 77 lb uplift at joint 5 and 213 lb uplift at joint 2.
 - 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, concurrent with live and dead loads.
 - 12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G16B	SPECIAL	1	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:10 2016 Page 1
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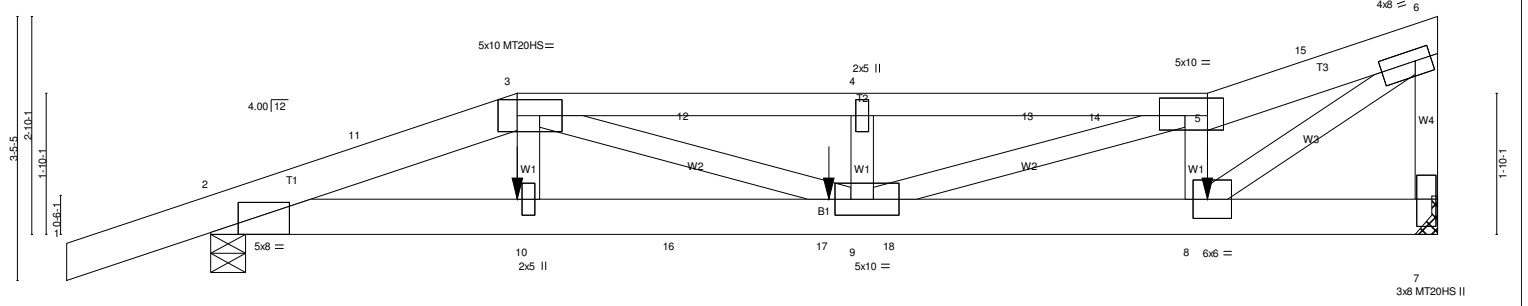


Plate Offsets (X,Y)-- [2:0-4-6,Edge], [3:0-7-0,0-2-8], [5:0-7-8,0-2-12], [6:0-2-8,0-1-12], [7:0-4-4,0-1-8], [8:0-2-4,0-3-0], [9:0-2-8,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 1.00 BC 0.94	in (loc) l/defl L/d Vert(LL) -0.26 9 >732 360 Vert(TL) -0.39 9 >485 240 Horz(TL) 0.05 7 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0	Rep Stress Incr NO	WB 0.91			
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)			
BCDL 10.0				Weight: 75 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2 *Except*
 T2: 2x4 SPF No.2
 BOT CHORD 2x6 SPF No.2
 WEBS 2x4 SPF No.3 *Except*
 W3: 2x4 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 5-0-11 oc bracing.

REACTIONS. (lb/size) 7=1340/Mechanical, 2=1543/0-5-8
 Max Horz 2=133(LC 6)
 Max Uplift 7=665(LC 9), 2=910(LC 9)
 Max Grav 7=1415(LC 18), 2=1596(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-11=3614/2023, 3-11=3570/2033, 3-12=4524/2432, 4-12=4520/2432, 4-13=4520/2432, 13-14=4520/2432, 5-14=4524/2432,
 5-15=3193/1518, 6-15=3177/1525, 6-7=1323/654
 BOT CHORD 2-10=1996/3384, 10-16=2030/3417, 16-17=2030/3417, 9-17=2030/3417, 9-18=1323/2805, 8-18=1323/2805
 WEBS 3-10=330/580, 3-9=493/1156, 4-9=768/278, 5-9=1198/1798, 5-8=2062/1052, 6-8=1763/3708

JOINT STRESS INDEX
 2 = 0.64, 3 = 0.93, 4 = 0.30, 5 = 0.95, 6 = 0.85, 7 = 0.92, 8 = 0.90, 9 = 0.56 and 10 = 0.34

- 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) 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 665 lb uplift at joint 7 and 910 lb uplift at joint 2.
 - 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) 143 lb down and 56 lb up at 13-0-0, 438 lb down and 317 lb up at 4-0-0, 93 lb down and 31 lb up at 8-0-12, and 124 lb down and 108 lb up at 6-0-12, and 315 lb down and 274 lb up at 8-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=94, 3-5=138(F=-44), 5-6=94, 2-10=20, 8-10=29(F=-9), 7-8=20
 Concentrated Loads (lb)
 Vert: 10=190(F) 8=143(F) 17=93(F)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G16C	SPECIAL	1	2	

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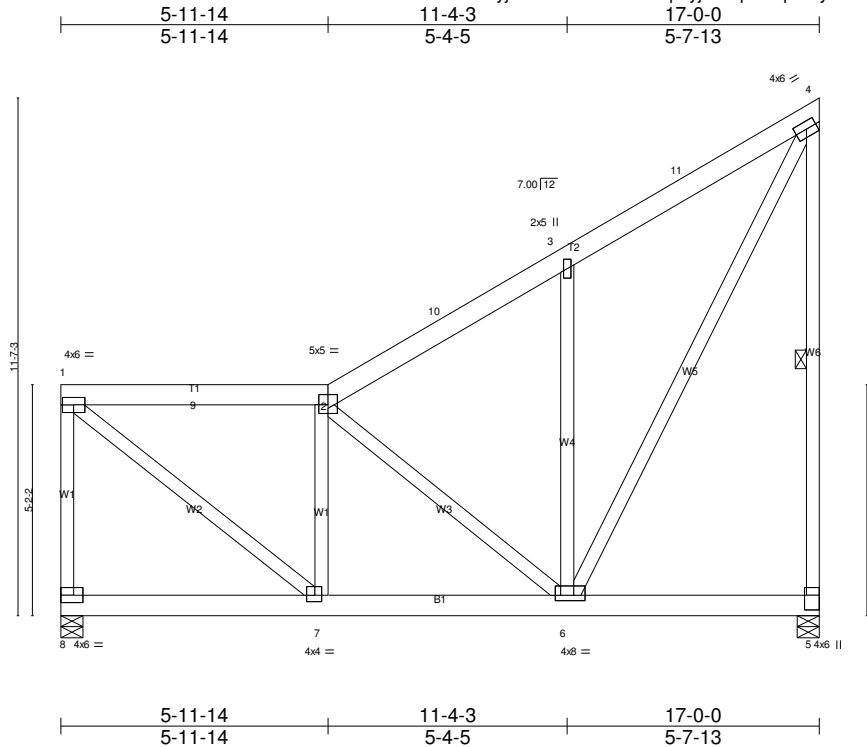


Plate Offsets (X,Y)-- [2:0-2-8,0-2-12], [4:0-2-14,0-2-0], [5:Edge,0-3-8], [6:0-1-8,0-1-8], [7:0-1-12,0-1-12]

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 NO Code IBC2009/TPI2007	CSI. TC 0.76 BC 0.51 WB 0.77 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.08 6-7 >999 360 Vert(TL) -0.12 6-7 >999 240 Horz(TL) 0.01 5 n/a n/a	PLATES GRIP MT20 197/144 Weight: 247 lb FT = 4%
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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. WEBS 1 Row at midpt 4-5
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REACTIONS. (lb/size) 8=2738/0-6-0, 5=2738/0-6-0
Max Horz 8=546(LC 8)
Max Uplift 8=851(LC 9), 5=982(LC 9)
Max Grav 8=2909(LC 2), 5=3165(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-2305/697, 1-9=-2495/790, 2-9=-2495/790, 2-10=-2026/556, 3-10=-1811/567, 3-11=-2084/725, 4-11=-1837/740, 4-5=-2592/899
BOT CHORD 7-8=-512/329, 6-7=-937/2514
WEBS 1-7=-887/3146, 2-7=-611/203, 2-6=-1397/541, 3-6=-972/297, 4-6=-1226/3496

JOINT STRESS INDEX
1 = 0.73, 2 = 0.50, 3 = 0.31, 4 = 0.95, 5 = 0.87, 6 = 0.95, 7 = 0.80 and 8 = 0.90

- NOTES-**
- 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.
 - 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 851 lb uplift at joint 8 and 982 lb uplift at joint 5.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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, 2-4=-94, 5-8=-234(F=-214)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G20	MONO SCISSOR	3	1	

Universal Forest Products
 Job Reference (optional)
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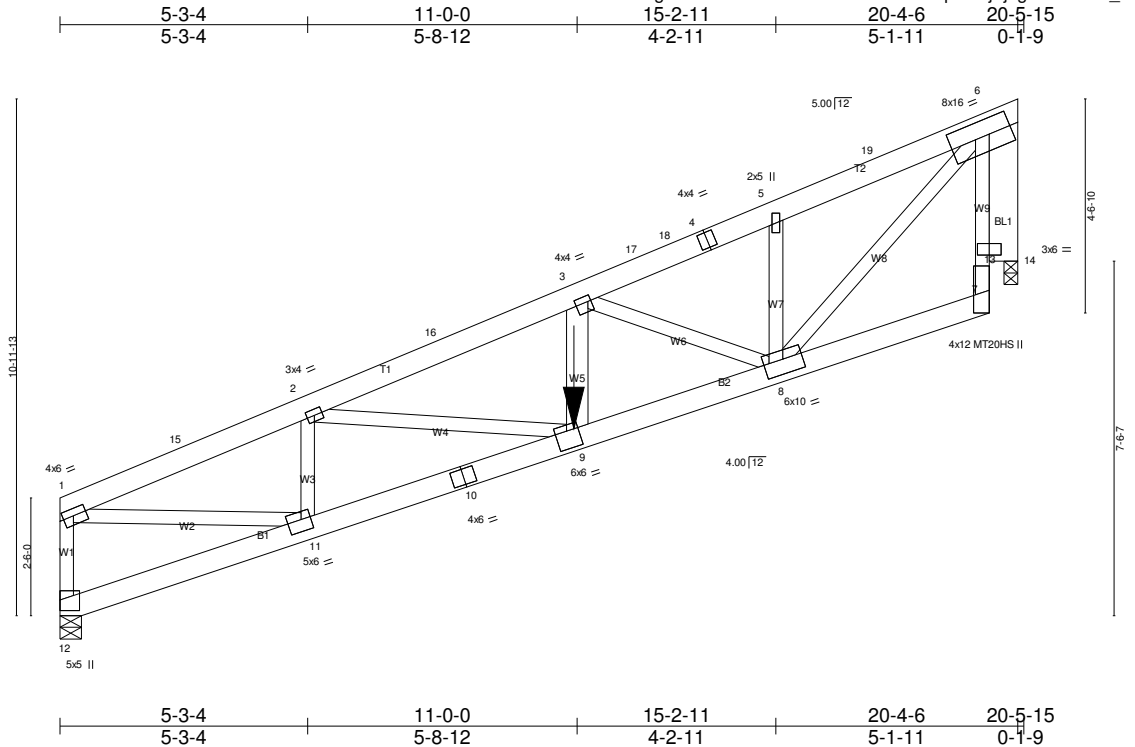


Plate Offsets (X,Y)--	[1:0-2-12,0-1-12], [3:0-0-12,0-1-8], [6:0-6-8,0-4-0], [7:Edge,0-3-8], [8:0-1-6,0-3-12], [9:0-3-0,0-4-8], [11:0-2-8,0-3-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.68 BC 0.87 WB 0.79 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.16 9 >999 360 Vert(TL) -0.26 9-11 >933 240 Horz(TL) 0.06 14 n/a n/a	MT20 MT20HS	197/144 148/108
				Weight: 125 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x6 SPF No.2
 WEBS 2x4 SPF No.3 *Except*
 W9,W8,W2: 2x4 SPF No.2, W5: 2x6 SPF No.2
 OTHERS 2x8 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-2-12 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 5-11-2 oc bracing.

REACTIONS. (lb/size) 12=1630/0-5-8, 14=1649/0-3-8
 Max Horz 12=494(LC 9)
 Max Uplift 12=399(LC 9), 14=672(LC 9)
 Max Grav 12=1701(LC 2), 14=1916(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-15=-3159/1014, 2-15=-3066/1023, 2-16=-4285/1340, 3-16=-4180/1350, 3-17=-2622/763, 17-18=-2533/769, 4-18=-2523/770, 4-5=-2498/776,
 5-19=-2625/863, 6-19=-2411/872, 7-13=-59/288, 6-13=-59/288, 1-12=-1661/574
 BOT CHORD 11-12=-523/128, 10-11=-1384/2986, 9-10=-1368/3001, 8-9=-1556/4071, 7-8=-159/524
 WEBS 2-11=-1072/417, 2-9=-170/1033, 3-9=-231/766, 3-8=-1659/696, 5-8=-535/212, 6-8=-1078/2923, 1-11=-812/2728

JOINT STRESS INDEX
 1 = 0.95, 2 = 0.77, 3 = 0.82, 4 = 0.85, 5 = 0.31, 6 = 0.95, 7 = 0.90, 8 = 0.94, 9 = 0.58, 10 = 1.00, 11 = 0.92, 12 = 0.96, 13 = 0.00 and 13 = 0.17

- 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) 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, 14 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 399 lb uplift at joint 12 and 672 lb uplift at joint 14.
 - 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.
 - 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1060 lb down and 346 lb up at 11-0-0 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: 1-6=-94, 7-12=-20
 Concentrated Loads (lb)
 Vert: 9=-1060(F)

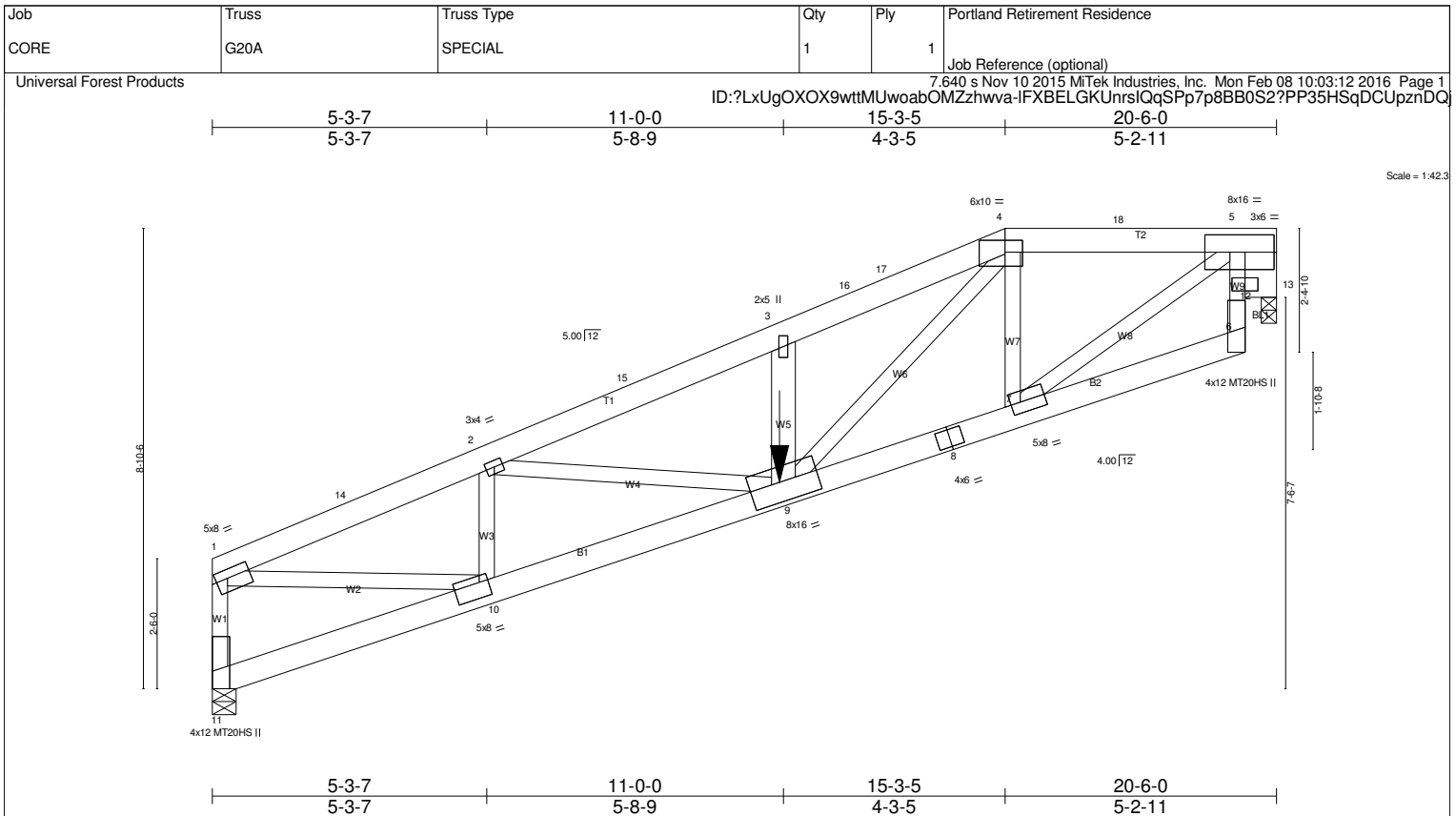


Plate Offsets (X,Y)-- [1:0-2-12,0-2-0], [4:0-4-0-0-2-12], [5:0-5-12,0-4-0], [6:Edge,0-3-8], [7:0-2-4-0-2-8], [9:0-8-0-0-4-8], [10:0-2-0-0-3-8], [11:0-3-15,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.96 BC 0.83 WB 0.98 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.20 9-10 >999 360 Vert(TL) -0.30 9-10 >804 240 Horz(TL) 0.05 13 n/a n/a	MT20 MT20HS	197/144 148/108
				Weight: 118 lb	FT = 4%

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W9: 2x4 SP DSS, W5: 2x6 SPF No.2, W6,W2: 2x4 SPF No.2
OTHERS 2x8 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-9-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-5-4 oc bracing.

REACTIONS. (lb/size) 11=1642/0-5-8, 13=1653/0-3-8
Max Horz 11=396(LC 9)
Max Uplift 11=449(LC 9), 13=627(LC 9)
Max Grav 11=2134(LC 15), 13=1754(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-3896/1060, 2-14=-3748/1069, 2-15=-4837/1391, 3-15=-4662/1401, 3-16=-4792/1510, 16-17=-4668/1512, 4-17=-4666/1520,
4-18=-2429/836, 5-18=-2429/836, 6-12=-88/343, 5-12=-88/343, 1-11=-2099/593
BOT CHORD 10-11=-420/163, 9-10=-1323/3669, 8-9=-874/2594, 7-8=-862/2612, 6-7=-272/776
WEBS 2-10=-1319/427, 2-9=-226/901, 3-9=-735/273, 4-9=-905/2793, 4-7=-737/316, 5-7=-718/2216, 1-10=-854/3331

JOINT STRESS INDEX
1 = 0.99, 2 = 0.79, 3 = 0.31, 4 = 0.93, 5 = 0.67, 6 = 0.89, 7 = 0.44, 8 = 0.76, 9 = 0.55, 10 = 0.94, 11 = 0.94, 12 = 0.00 and 12 = 0.17

- 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, 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) Bearing at joint(s) 11, 13 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 449 lb uplift at joint 11 and 627 lb uplift at joint 13.
 - 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) 1060 lb down and 346 lb up at 11-0-0 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: 1-4=-94, 4-5=-94, 6-11=-20

Concentrated Loads (lb)
Vert: 9=-1060(F)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G21F	COMMON	1	2	

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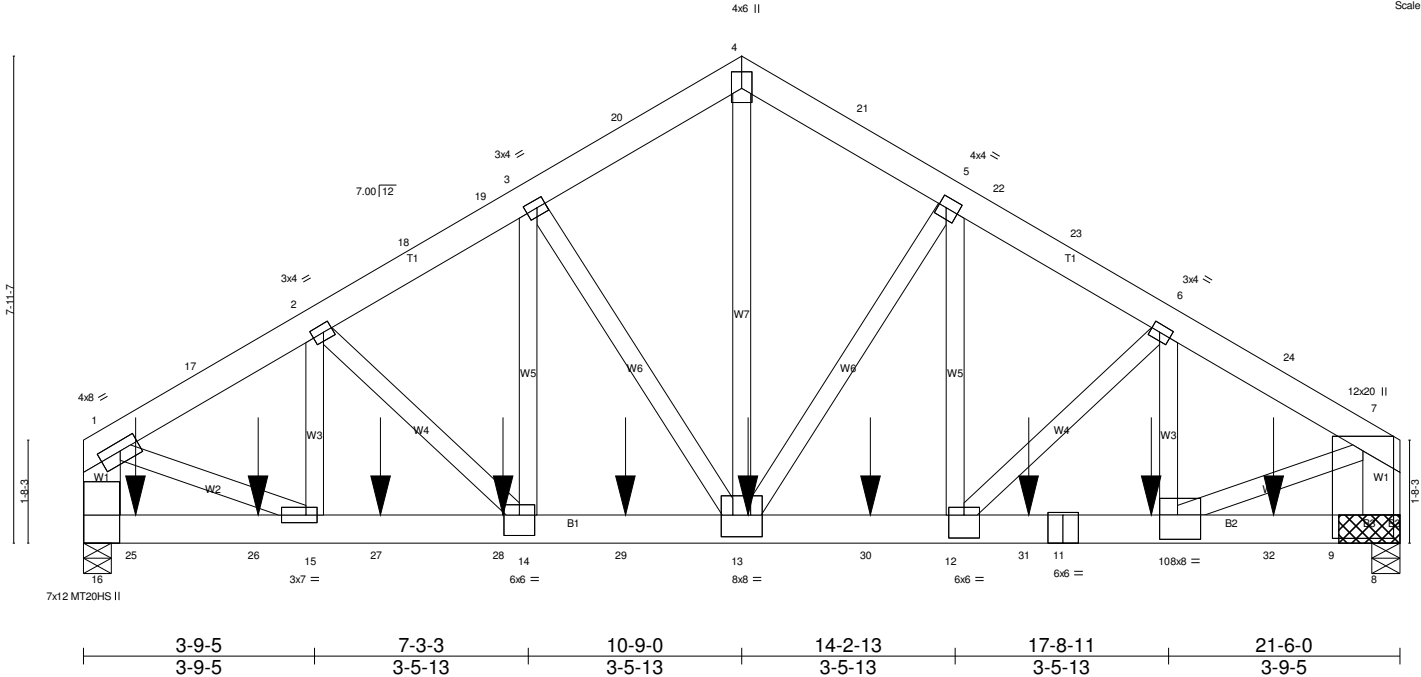
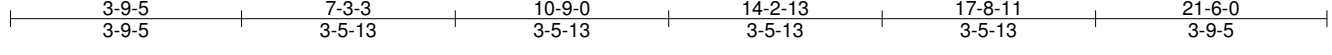


Plate Offsets (X,Y)--	[1:0-3-12,0-1-12], [2:0-1-12,0-1-8], [3:0-1-12,0-1-8], [4:0-3-4,0-2-0], [5:0-1-8,0-2-0], [6:0-1-12,0-1-8], [7:1-5-2,0-6-0], [10:0-3-8,0-4-12], [12:0-3-0,0-4-8], [13:0-4-0,0-4-4], [14:0-3-0,0-4-0], [15:0-2-4,0-1-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.40 BC 0.93 WB 0.72 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.10 10-12 >999 360 Vert(TL) -0.16 10-12 >999 240 Horz(TL) 0.05 8 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0 BCLL 0.0 BCDL 10.0	Rep Stress Incr NO Code IBC2009/TPI2007			Weight: 299 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 BOT CHORD 2x6 SPF No.2 *Except* B1: 2x6 SPF 2100F 1.8E WEBS 2x4 SPF No.3 *Except* W7,W2: 2x4 SPF No.2, W1: 2x8 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-3-11 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 16=6820/0-5-8, 8=7576/(0-5-8 + bearing block) (req. 0-5-15)
 Max Horz 16=243(LC 8)
 Max Uplift 16=2228(LC 9), 8=2475(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=6789/2228, 2-17=6641/2240, 2-18=6797/2307, 18-19=6730/2307, 3-19=6672/2313, 3-20=5737/2018, 4-20=5590/2029, 4-21=5593/2030, 5-21=5737/2019, 5-22=7067/2442, 22-23=7126/2436, 6-23=7192/2436, 6-24=7831/2629, 7-24=7979/2617, 1-16=5496/1824, 7-8=6444/2134
BOT CHORD 16-25=330/1052, 25-26=330/1052, 15-26=330/1052, 15-27=1806/5724, 27-28=1806/5724, 14-28=1806/5724, 14-29=1776/5813, 13-29=1776/5813, 13-30=1892/6167, 12-30=1892/6167, 12-31=2136/6735, 11-31=2136/6735, 10-11=2136/6735, 10-32=393/1244, 9-32=393/1244, 8-9=393/1244
WEBS 4-13=1789/5139, 5-13=2339/829, 5-12=778/2400, 6-12=806/342, 6-10=218/883, 3-13=1685/616, 3-14=543/1679, 2-15=309/138, 1-15=1585/5018, 7-10=1873/5899

JOINT STRESS INDEX
 1 = 0.95, 2 = 0.60, 3 = 0.91, 4 = 0.77, 5 = 0.87, 6 = 0.60, 7 = 0.77, 8 = 0.00, 8 = 0.00, 9 = 0.00, 9 = 0.00, 9 = 0.00, 10 = 0.63, 11 = 0.80, 12 = 0.82, 13 = 0.59, 14 = 0.42, 15 = 0.95 and 16 = 0.82

- NOTES-**
- 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, 2x8 - 2 rows staggered at 0-4-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2228 lb uplift at joints 16 and 2475 lb uplift at joint 8.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 983 lb down and 321 lb up at 0-10-4, 983 lb down and 321 lb up at 2-10-4, 983 lb down and 321 lb up at 4-10-4, 983 lb down and 321 lb up at 6-10-4, 983 lb down and 321 lb up at 8-10-4, 983 lb down and 321 lb up at 10-10-4, 983 lb down and 321 lb up at 12-10-4, 1711 lb down and 559 lb up at 15-5-4, and 1711 lb down and 559 lb up at 17-5-4, and 1711 lb down and 559 lb up at 19-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G21F	COMMON	1	2	Job Reference (optional)

Universal Forest Products

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LOAD CASE(S) Standard

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

Uniform Loads (plf)

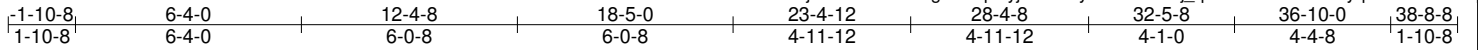
Vert: 1-4=-94, 4-7=-94, 8-16=-20

Concentrated Loads (lb)

Vert: 13=-983(F) 10=-1711(F) 25=-983(F) 26=-983(F) 27=-983(F) 28=-983(F) 29=-983(F) 30=-983(F) 31=-1711(F) 32=-1711(F)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G23	COMMON	1	3	

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 ID:JEjNidXWN2EOiNgQCWpuijDeK-idfy0Ha0O5aXj_qWEAHDcGTLsh4tyqav8iJZiznDQh



Scale: 3/16"=1'

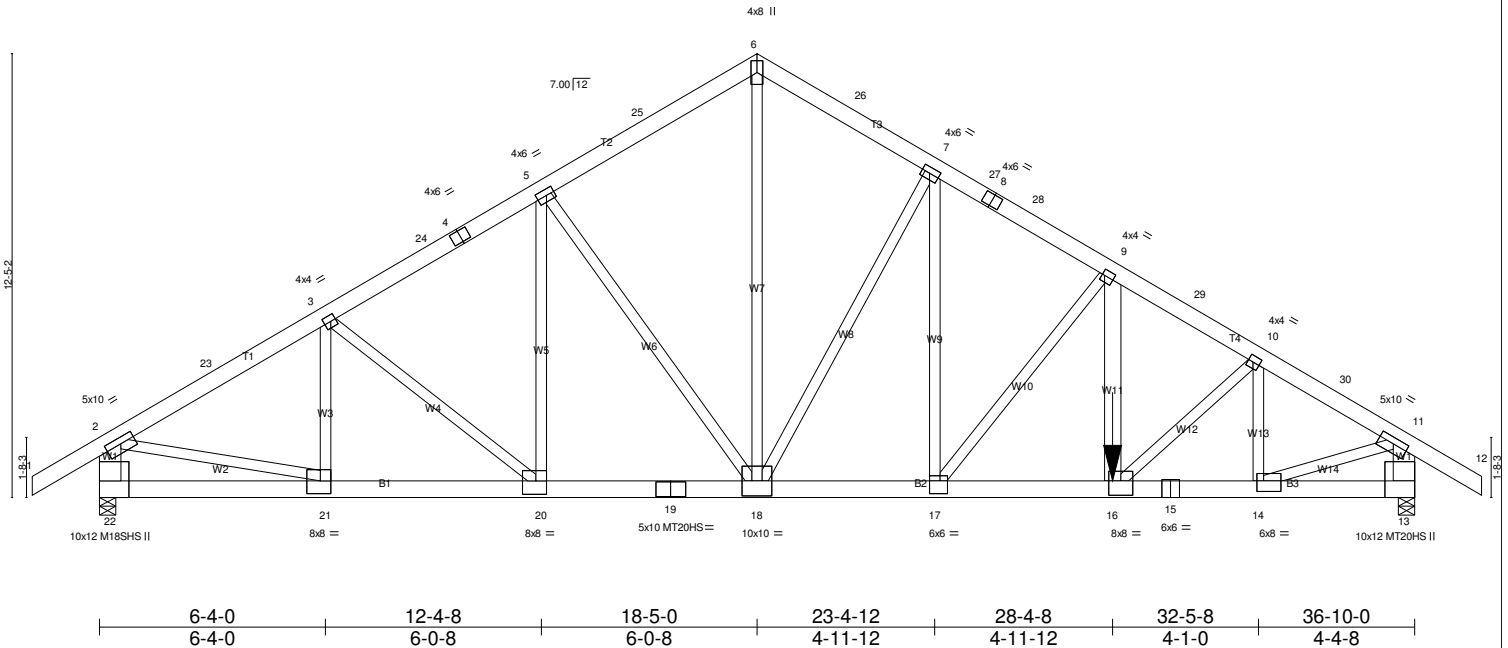


Plate Offsets (X,Y)--	[2:0-4-12,0-2-0], [3:0-1-12,0-2-0], [5:0-2-12,0-2-0], [7:0-2-12,0-2-0], [9:0-0-12,0-2-0], [10:0-1-12,0-2-0], [11:0-5-0,0-2-0], [13:0-5-8,Edge], [14:0-2-4,0-3-8], [16:0-4-0,0-4-12], [17:0-2-8,0-4-4], [20:0-3-8,0-4-8], [21:0-3-8,0-4-4]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.55 BC 0.82 WB 0.96 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.27 18-20 >999 360 Vert(TL) -0.44 18-20 >990 240 Horz(TL) 0.12 13 n/a n/a	MT20 MT20HS M18SHS Weight: 789 lb	197/144 148/108 197/144 FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 BOT CHORD 2x6 SPF 2100F 1.8E *Except* B3: 2x6 SPF No.2 WEBS 2x4 SPF No.3 *Except* W7,W2,W14: 2x4 SPF No.2, W11: 2x6 SPF No.2, W1: 2x8 SPF No.2	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) 22=13752/0-5-8 (req. 0-7-3), 13=12936/0-5-8 (req. 0-6-12)
 Max Horz 22=-412(LC 7)
 Max Uplift 22=-4713(LC 9), 13=-4428(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-23=-16649/5599, 3-23=-16407/5622, 3-24=-15391/5302, 4-24=-15276/5303, 4-5=-15241/5316, 5-25=-12272/4363, 6-25=-12043/4378, 6-26=-12026/4380, 7-26=-12217/4364, 7-27=-14748/5185, 8-27=-14764/5180, 8-28=-14773/5178, 9-28=-14923/5177, 9-29=-16615/5708, 10-29=-16692/5696, 10-30=-14677/5006, 11-30=-14850/4992, 2-22=-11550/4019, 11-13=-11759/4066
 BOT CHORD 21-22=-953/2688, 20-21=-4574/14172, 19-20=-4147/13208, 18-19=-4147/13208, 17-18=-3972/12761, 16-17=-4600/14404, 15-16=-4058/12602, 14-15=-4058/12602, 13-14=-437/1595
 WEBS 3-21=-406/1122, 3-20=-1239/549, 5-20=-1591/4764, 5-18=-4725/1702, 6-18=-4058/11485, 7-18=-4792/1694, 7-17=-1725/5078, 9-17=-2605/996, 9-16=-770/2384, 10-16=-736/2456, 10-14=-2638/922, 2-21=-3859/11777, 11-14=-3828/11608

JOINT STRESS INDEX
 2 = 1.00, 3 = 0.48, 4 = 0.75, 5 = 0.90, 6 = 0.85, 7 = 0.96, 8 = 0.68, 9 = 0.58, 10 = 0.50, 11 = 0.96, 13 = 0.87, 14 = 0.80, 15 = 0.82, 16 = 0.20, 17 = 0.89, 18 = 0.66, 19 = 0.78, 20 = 0.42, 21 = 0.96 and 22 = 0.82

- NOTES-**
- 3-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, 2x8 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-5-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
 - 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - WARNING: Required bearing size at joint(s) 22, 13 greater than input bearing size.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4713 lb uplift at joint 22 and 4428 lb uplift at joint 13.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1376 lb down and 450 lb up at 28-4-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Job CORE	Truss G23	Truss Type COMMON	Qty 1	Ply 3	Portland Retirement Residence Job Reference (optional)
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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-94, 2-6=-94, 6-11=-94, 11-12=-94, 16-22=-649(F=-629), 13-16=-401(F=-381)

Concentrated Loads (lb)

Vert: 16=-1376(F)

Job CORE	Truss G24	Truss Type COMMON	Qty 1	Ply 3	Portland Retirement Residence
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Job Reference (optional)

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ID:edX4L4Na2rryYG_fBCjRiyjDdk-ApDKsMlCniDR9tZ14xhWlqpfLG?TcPk8oSt58znDQg

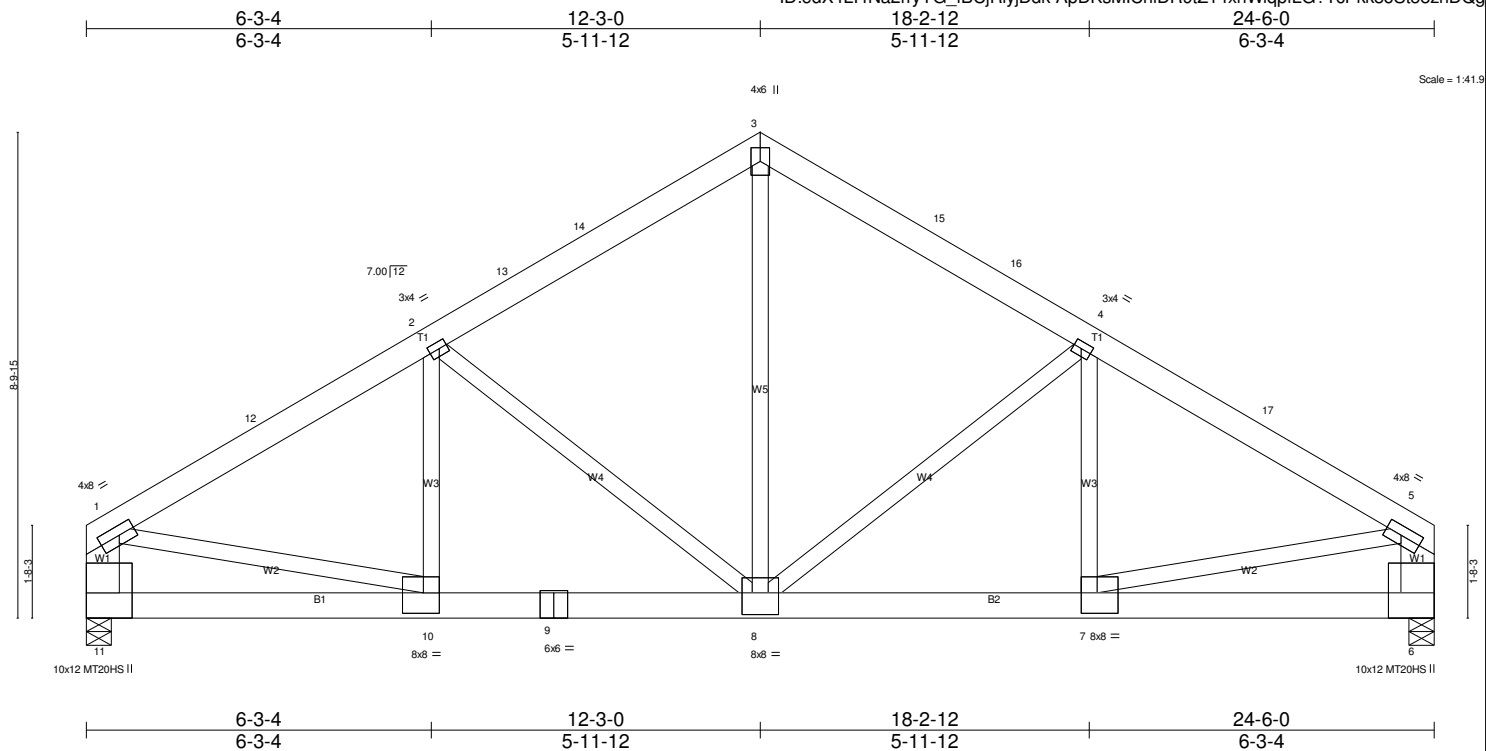


Plate Offsets (X,Y)-- [1:0-3-8,0-2-0], [2:0-1-12,0-1-8], [4:0-1-12,0-1-8], [5:0-3-8,0-2-0], [6:0-5-8,Edge], [7:0-3-8,0-4-8], [8:0-4-0,0-4-12], [10:0-3-8,0-4-8]

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 0.47 BC 0.94 WB 0.99 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.13 8-10 >999 360 Vert(TL) -0.22 8-10 >999 240 Horz(TL) 0.05 6 n/a n/a	PLATES GRIP MT20 197/144 MT20HS 148/108 Weight: 447 lb FT = 4%
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LUMBER- TOP CHORD 2x6 SPF No.2 BOT CHORD 2x6 SPF No.2 *Except* B2: 2x6 SPF 2100F 1.8E WEBS 2x4 SPF No.3 *Except* W5: 2x4 SPF No.2, W1: 2x8 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: 2-2-0 oc bracing: 8-10.
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REACTIONS. (lb/size) 11=9378/0-5-8, 6=9378/0-5-8
Max Horz 11=-269(LC 7)
Max Uplift 11=-3163(LC 9), 6=-3163(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-10594/3566, 2-12=-10367/3589, 2-13=-8226/2891, 13-14=-8179/2894, 3-14=-8000/2910, 3-15=-8000/2910, 15-16=-8179/2894,
4-16=-8226/2891, 4-17=-10359/3586, 5-17=-10586/3564, 1-11=-7165/2463, 5-6=-7144/2456
BOT CHORD 10-11=-864/2430, 9-10=-2923/8955, 8-9=-2923/8955, 7-8=-2920/8948, 6-7=-850/2501
WEBS 2-10=-793/2438, 2-8=-2536/950, 3-8=-2571/7418, 4-8=-2527/946, 4-7=-791/2431, 1-10=-2152/6694, 5-7=-2124/6613

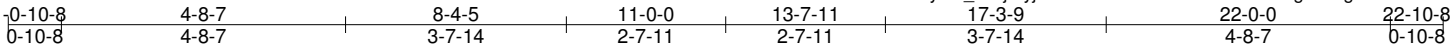
JOINT STRESS INDEX
1 = 0.95, 2 = 0.88, 3 = 0.79, 4 = 0.87, 5 = 0.96, 6 = 0.90, 7 = 0.54, 8 = 0.66, 9 = 0.77, 10 = 0.55 and 11 = 0.97

- NOTES-**
- 3-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, 2x8 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3163 lb uplift at joint 11 and 3163 lb uplift at joint 6.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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, 3-5=-94, 6-11=-691(F=-671)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G25	HIP	2	2	Job Reference (optional)

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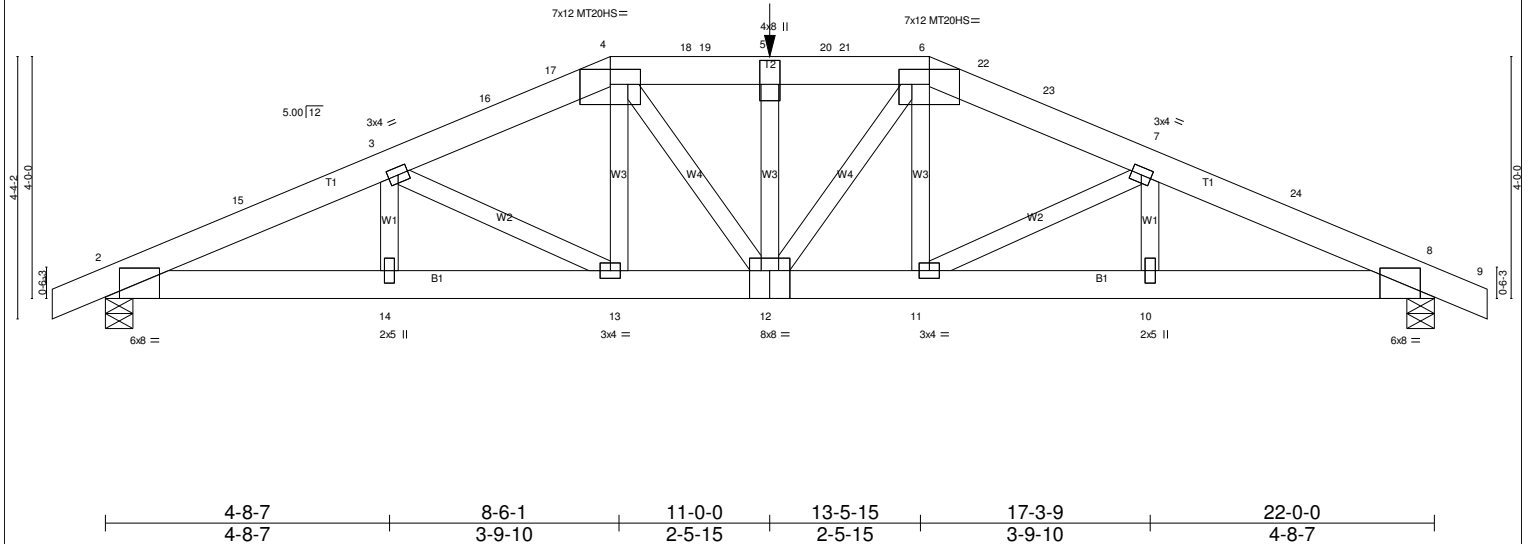


Plate Offsets (X,Y)-- [2:0-2-13,Edge], [4:0-6-0-0-3-0], [5:0-4-12,0-2-0], [6:0-6-0-0-3-0], [8:0-2-13,Edge], [12:0-4-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.86 BC 0.52 WB 0.94 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.36 12 >720 360 Vert(TL) -0.40 12 >640 240 Horz(TL) 0.12 8 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 234 lb	FT = 4%

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

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

REACTIONS. (lb/size) 2=3832/0-5-8, 8=3832/0-5-8
 Max Horz 2=73(LC 8)
 Max Uplift 2=-4089(LC 5), 8=-4089(LC 6)
 Max Grav 2=5102(LC 4), 8=5102(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-15=-11701/9430, 3-15=-11681/9438, 3-16=-12308/10127, 16-17=-12292/10135, 4-17=-12290/10138, 4-18=-13773/11428, 18-19=-13773/11428, 5-19=-13767/11423, 5-20=-13766/11423, 20-21=-13773/11428, 6-21=-13773/11428, 6-22=-12290/10138, 22-23=-12292/10135, 7-23=-12308/10127, 7-24=-11681/9438, 8-24=-11701/9430
 BOT CHORD 2-14=-8530/10635, 13-14=-8530/10635, 12-13=-9341/11458, 11-12=-9343/11458, 10-11=-8539/10635, 8-10=-8539/10635
 WEBS 4-13=-87/461, 6-11=-87/461, 3-14=-132/299, 5-12=-6835/5930, 7-10=-132/299, 3-13=-916/917, 4-12=-3291/3860, 6-12=-3291/3860, 7-11=-916/917

JOINT STRESS INDEX
 2 = 0.99, 3 = 0.64, 4 = 0.85, 5 = 0.88, 6 = 0.85, 7 = 0.64, 8 = 0.99, 10 = 0.31, 11 = 0.54, 12 = 0.96, 13 = 0.54 and 14 = 0.31

- NOTES-**
- 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: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4089 lb uplift at joint 2 and 4089 lb uplift at joint 8.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 5506 lb down and 4625 lb up at 11-0-0, and 1751 lb down and 1538 lb up at 10-0-0, and 1751 lb down and 1538 lb up at 12-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

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

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G25	HIP	2	2	Job Reference (optional)

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LOAD CASE(S)

- Uniform Loads (plf)
Vert: 1-4=-94, 4-6=-94, 6-9=-94, 2-8=-20
- Concentrated Loads (lb)
Vert: 5=-5000
- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-17=-94, 4-17=-114, 4-6=-114, 6-9=-38, 2-8=-20
Concentrated Loads (lb)
Vert: 5=-5000
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-38, 4-6=-114, 6-22=-114, 9-22=-94, 2-8=-20
Concentrated Loads (lb)
Vert: 5=-5000
- 4) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-40
Concentrated Loads (lb)
Vert: 5=-5506 19=-1751 20=-1751
- 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=43, 2-4=21, 4-6=47, 6-8=21, 8-9=14, 2-8=-10
Horz: 1-2=-51, 2-4=-30, 6-8=30, 8-9=22
Drag: 4-5=-0, 5-6=0
Concentrated Loads (lb)
Vert: 5=4625 19=1538 20=1538
- 6) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-4=21, 4-6=47, 6-8=21, 8-9=43, 2-8=-10
Horz: 1-2=-22, 2-4=-30, 6-8=30, 8-9=51
Drag: 4-5=-0, 5-6=0
Concentrated Loads (lb)
Vert: 5=4625 19=1538 20=1538
- 7) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-5, 2-4=-13, 4-6=-10, 6-8=6, 8-9=14, 2-8=-10
Horz: 1-2=-3, 2-4=5, 6-8=14, 8-9=22
Concentrated Loads (lb)
Vert: 5=-2941 19=-896 20=-896
- 8) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=14, 2-4=6, 4-6=-10, 6-8=-13, 8-9=-5, 2-8=-10
Horz: 1-2=-22, 2-4=-14, 6-8=-5, 8-9=3
Concentrated Loads (lb)
Vert: 5=-2941 19=-896 20=-896
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=69, 2-4=47, 4-6=47, 6-8=47, 8-9=69, 2-8=-10
Horz: 1-2=-77, 2-4=-56, 6-8=56, 8-9=77
Drag: 4-5=-0, 5-6=0
Concentrated Loads (lb)
Vert: 5=4106 19=1278 20=1278
- 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=47, 2-4=25, 4-6=25, 6-8=25, 8-9=47, 2-8=-10
Horz: 1-2=-55, 2-4=-34, 6-8=34, 8-9=55
Drag: 4-5=-0, 5-6=0
Concentrated Loads (lb)
Vert: 5=2421 19=920 20=920
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-2, 2-4=-10, 4-6=-10, 6-8=-10, 8-9=-2, 2-8=-10
Horz: 1-2=-7, 2-4=1, 6-8=-1, 8-9=7
Concentrated Loads (lb)
Vert: 5=-2941 19=-896 20=-896
- 12) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=-2, 2-4=-10, 4-6=-10, 6-8=-10, 8-9=-2, 2-8=-10
Horz: 1-2=-7, 2-4=1, 6-8=-1, 8-9=7
Concentrated Loads (lb)
Vert: 5=-2941 19=-896 20=-896
- 13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-174, 2-4=-14, 4-6=-14, 6-8=-14, 8-9=-174, 2-8=-20
Concentrated Loads (lb)
Vert: 5=-1491
- 14) 3rd Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-38, 4-6=-114, 6-9=-38, 2-8=-20
Concentrated Loads (lb)
Vert: 5=-5000
- 15) 4th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-94, 2-4=-121, 4-6=-38, 6-9=-38, 2-8=-20
Concentrated Loads (lb)
Vert: 5=-5000
- 16) 5th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-38, 4-6=-114, 6-9=-38, 2-8=-20
Concentrated Loads (lb)
Vert: 5=-5000
- 17) 6th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-38, 4-6=-38, 6-8=-121, 8-9=-94, 2-8=-20
Concentrated Loads (lb)
Vert: 5=-5000

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G25	HIP	2	2	Job Reference (optional)

Universal Forest Products

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 ID:edX4Ll4Na2rryYG_fBCjRijjDdk-e0mi4iJrY?Lin18DefCll1Lk5gRDLtgtNSBQdaznDQf

LOAD CASE(S)

- 18) 7th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-38, 4-6=-150, 6-9=-38, 2-8=-20
 Concentrated Loads (lb)
 Vert: 5=-5000
- 19) 8th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-150, 4-6=-38, 6-9=-150, 2-8=-20
 Concentrated Loads (lb)
 Vert: 5=-5000
- 20) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-20
 Concentrated Loads (lb)
 Vert: 5=-1491 15=-300
- 21) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-20
 Concentrated Loads (lb)
 Vert: 5=-1491 16=-300
- 22) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-20
 Concentrated Loads (lb)
 Vert: 5=-1491 18=-300
- 23) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-20
 Concentrated Loads (lb)
 Vert: 5=-1491 21=-300
- 24) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-20
 Concentrated Loads (lb)
 Vert: 5=-1491 23=-300
- 25) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-20
 Concentrated Loads (lb)
 Vert: 5=-1491 24=-300
- 26) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-20
 Concentrated Loads (lb)
 Vert: 2=-300 5=-1491
- 27) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-20
 Concentrated Loads (lb)
 Vert: 3=-300 5=-1491
- 28) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-20
 Concentrated Loads (lb)
 Vert: 4=-300 5=-1491
- 29) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-20
 Concentrated Loads (lb)
 Vert: 5=-1791
- 30) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-20
 Concentrated Loads (lb)
 Vert: 6=-300 5=-1491
- 31) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-20
 Concentrated Loads (lb)
 Vert: 5=-1491 7=-300
- 32) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-14, 4-6=-14, 6-9=-14, 2-8=-20
 Concentrated Loads (lb)
 Vert: 5=-1491 8=-300

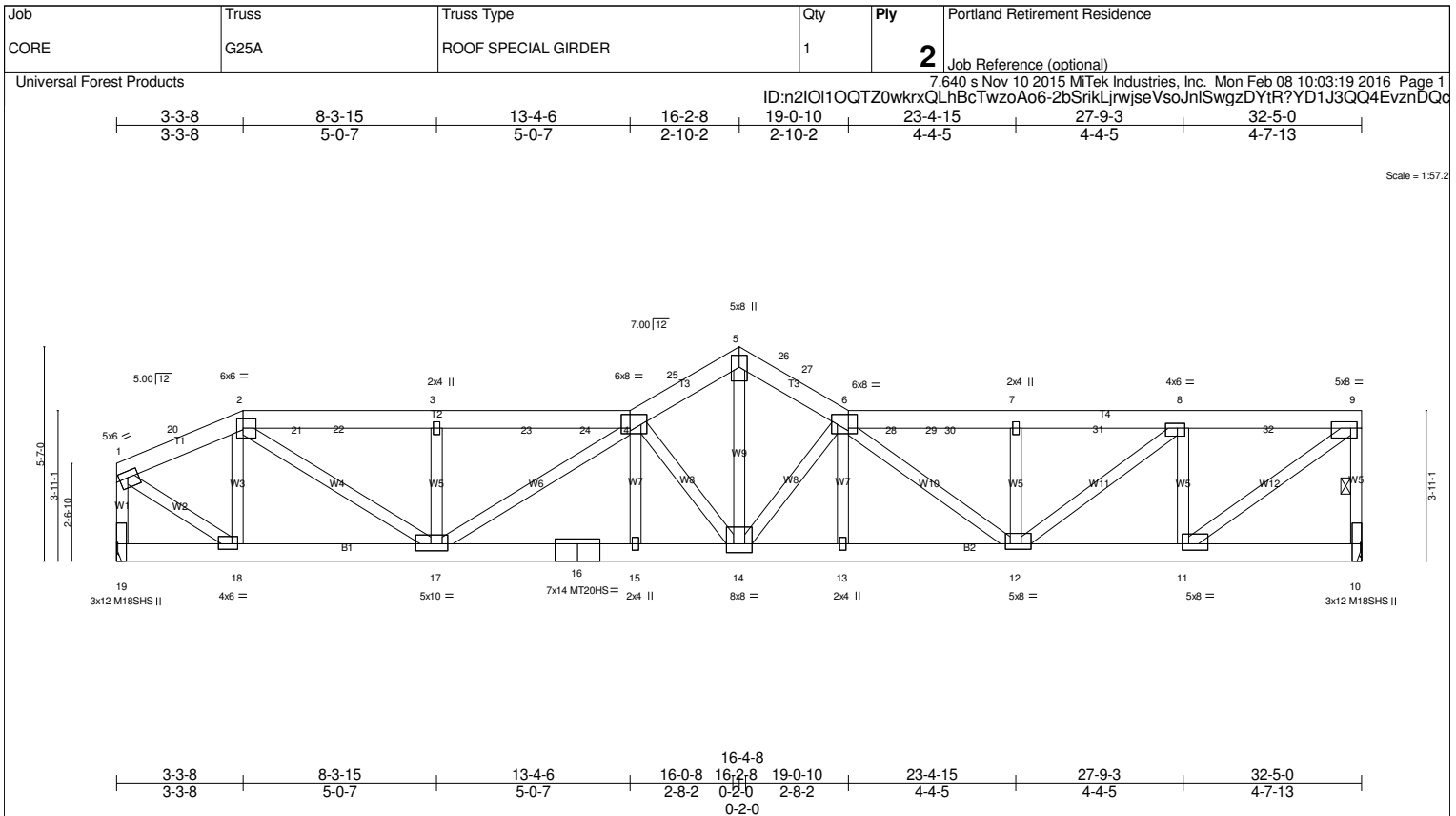


Plate Offsets (X,Y)-- [1:0-2-12,0-2-0], [2:0-4-0-0-3-0], [4:0-2-12,0-4-4], [5:0-3-12,0-2-8], [6:0-2-12,0-4-4], [8:0-2-4-0-1-8], [9:0-2-0-0-2-0], [10:0-5-8,Edge], [11:0-2-0-0-2-0], [12:0-1-8,0-1-12], [14:0-4-0-0-2-12], [17:0-4-12,0-2-4], [18:0-1-12,0-1-12]

LOADING (psf)	SPACING -	CSI	DEFL	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.97 BC 0.64 WB 0.97 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.58 13-14 >669 360 Vert(TL) -0.74 13-14 >518 240 Horz(TL) 0.13 10 n/a n/a	MT20 MT20HS M18SHS Weight: 388 lb	197/144 148/108 197/144 FT = 4%
TCDL 7.0	Rep Stress Incr NO Code IBC2009/TPI2007				
BCLL 0.0					
BCDL 10.0					

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF 2100F 1.8E
WEBS 2x4 SPF No.3 *Except*
W4,W11,W2: 2x4 SPF No.2, W12,W9: 2x4 SPF 2100F 1.8E

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

REACTIONS. (lb/size) 10=6227/Mechanical, 19=6227/Mechanical
Max Horz 19=101(LC 7)
Max Grav 10=6944(LC 20), 19=6582(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-20=6107/0, 2-20=5784/0, 2-21=12141/0, 21-22=12139/0, 3-22=12139/0, 3-23=12138/0, 23-24=12139/0, 4-24=12141/0, 4-25=12330/0, 5-25=11995/0, 5-26=11982/0, 26-27=12150/0, 6-27=12317/0, 6-28=12710/0, 28-29=12708/0, 29-30=12707/0, 7-30=12706/0, 7-31=12708/0, 8-31=12708/0, 8-32=7862/0, 9-32=7862/0, 9-10=6825/0, 1-19=6529/0
BOT CHORD 17-18=0/5650, 16-17=0/14887, 15-16=0/14887, 14-15=0/14878, 13-14=0/14881, 12-13=0/14892, 11-12=0/7862
WEBS 2-18=-3662/20, 2-17=0/7870, 3-17=-2376/138, 4-17=-3634/0, 4-14=-6704/0, 6-14=-6709/0, 6-13=-265/118, 6-12=-3145/0, 7-12=-1914/106, 8-12=0/6191, 8-11=-5866/12, 9-11=0/9822, 1-18=0/6626, 5-14=0/11030

JOINT STRESS INDEX
1 = 0.94, 2 = 0.89, 3 = 0.53, 4 = 0.98, 5 = 0.96, 6 = 0.98, 7 = 0.43, 8 = 0.92, 9 = 1.00, 10 = 0.73, 11 = 0.99, 12 = 0.94, 13 = 0.38, 14 = 0.91, 15 = 0.38, 16 = 0.76, 17 = 0.95, 18 = 0.95 and 19 = 0.61

- NOTES-**
- 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, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Refer to girder(s) for truss to truss connections.
 - Provide metal plate or equivalent at bearing(s) 10, 19 to support reaction shown.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - 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, concurrent with live and dead loads.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard
1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-354(F=-130), 2-4=-354(F=-130), 4-5=-354(F=-130), 5-6=-354(F=-130), 6-9=-354(F=-130), 10-19=-34(F=-14)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G25A	ROOF SPECIAL GIRDER	1	2	

Job Reference (optional)

Universal Forest Products

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LOAD CASE(S) Standard

- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=354(F=-130), 2-23=354(F=-130), 4-23=405(F=-130), 4-5=405(F=-130), 5-6=294(F=-130), 6-9=294(F=-130), 10-19=34(F=-14)
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=294(F=-130), 2-4=294(F=-130), 4-5=294(F=-130), 5-6=405(F=-130), 6-30=405(F=-130), 9-30=354(F=-130), 10-19=34(F=-14)
- 4) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=34(F=-20), 2-4=34(F=-20), 4-5=34(F=-20), 5-6=34(F=-20), 6-9=34(F=-20), 10-19=54(F=-14)
- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=20(F=-20), 2-4=17(F=-20), 4-5=13(F=-20), 5-6=13(F=-20), 6-9=17(F=-20), 10-19=24(F=-14)
Horz: 1-2=-49, 4-5=-42, 5-6=42
Drag: 2-3=0, 3-4=0, 6-7=0
- 6) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=9(F=-20), 2-4=23(F=-20), 4-5=32(F=-20), 5-6=1(F=-20), 6-9=1(F=-20), 10-19=24(F=-14)
Horz: 1-2=-37, 4-5=4, 5-6=29
Drag: 2-3=0, 3-4=0, 6-7=0
- 7) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6(F=-20), 2-4=1(F=-20), 4-5=1(F=-20), 5-6=32(F=-20), 6-9=23(F=-20), 10-19=24(F=-14)
Horz: 1-2=-34, 4-5=-29, 5-6=4
Drag: 2-3=0, 3-4=0, 6-7=0
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=16(F=-20), 2-4=16(F=-20), 4-5=16(F=-20), 5-6=2(F=-20), 6-9=2(F=-20), 10-19=24(F=-14)
Horz: 1-2=-44, 4-5=-44, 5-6=31
Drag: 2-3=0, 3-4=0, 6-7=0
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=2(F=-20), 2-4=2(F=-20), 4-5=2(F=-20), 5-6=2(F=-20), 6-9=2(F=-20), 10-19=24(F=-14)
Horz: 1-2=-31, 4-5=-31, 5-6=31
Drag: 2-3=0, 3-4=0, 6-7=0
- 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=3(F=-20), 2-4=3(F=-20), 4-5=3(F=-20), 5-6=9(F=-20), 6-9=9(F=-20), 10-19=24(F=-14)
Horz: 1-2=-25, 4-5=-25, 5-6=19
Drag: 2-3=0, 3-4=0, 6-7=0
- 11) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=9(F=-20), 2-4=9(F=-20), 4-5=9(F=-20), 5-6=9(F=-20), 6-9=9(F=-20), 10-19=24(F=-14)
Horz: 1-2=-19, 4-5=-19, 5-6=19
Drag: 2-3=0, 3-4=0, 6-7=0
- 12) 3rd Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=294(F=-130), 2-24=354(F=-130), 4-24=359(F=-130), 4-5=294(F=-130), 5-6=385(F=-130), 6-9=294(F=-130), 10-19=34(F=-14)
- 13) 4th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=376(F=-130), 2-4=294(F=-130), 4-5=405(F=-130), 5-6=294(F=-130), 6-9=294(F=-130), 10-19=34(F=-14)
- 14) 5th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=294(F=-130), 2-21=354(F=-130), 4-21=394(F=-130), 4-5=294(F=-130), 5-6=294(F=-130), 6-9=294(F=-130), 10-19=34(F=-14)
- 15) 6th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=397(F=-130), 2-4=294(F=-130), 4-5=294(F=-130), 5-6=294(F=-130), 6-9=294(F=-130), 10-19=34(F=-14)
- 16) 7th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=294(F=-130), 2-21=359(F=-130), 4-21=354(F=-130), 4-5=294(F=-130), 5-26=361(F=-130), 6-26=354(F=-130), 6-9=294(F=-130), 10-19=34(F=-14)
- 17) 8th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=294(F=-130), 2-4=294(F=-130), 4-5=385(F=-130), 5-6=294(F=-130), 6-28=359(F=-130), 9-28=354(F=-130), 10-19=34(F=-14)
- 18) 9th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=294(F=-130), 2-4=294(F=-130), 4-5=294(F=-130), 5-6=405(F=-130), 6-9=294(F=-130), 10-19=34(F=-14)
- 19) 10th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=294(F=-130), 2-4=294(F=-130), 4-5=294(F=-130), 5-6=294(F=-130), 6-8=394(F=-130), 8-9=354(F=-130), 10-19=34(F=-14)
- 20) 11th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=294(F=-130), 2-4=422(F=-130), 4-5=294(F=-130), 5-6=294(F=-130), 6-9=422(F=-130), 10-19=34(F=-14)
- 21) 12th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=412(F=-130), 2-4=294(F=-130), 4-5=422(F=-130), 5-6=422(F=-130), 6-9=294(F=-130), 10-19=34(F=-14)
- 22) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=354(F=-130), 2-4=354(F=-130), 4-5=354(F=-130), 5-6=354(F=-130), 6-9=354(F=-130), 10-19=34(F=-14)
Concentrated Loads (lb)
Vert: 1=300
- 23) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=354(F=-130), 2-4=354(F=-130), 4-5=354(F=-130), 5-6=354(F=-130), 6-9=354(F=-130), 10-19=34(F=-14)
Concentrated Loads (lb)
Vert: 20=300
- 24) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=354(F=-130), 2-4=354(F=-130), 4-5=354(F=-130), 5-6=354(F=-130), 6-9=354(F=-130), 10-19=34(F=-14)
Concentrated Loads (lb)
Vert: 22=300
- 25) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=354(F=-130), 2-4=354(F=-130), 4-5=354(F=-130), 5-6=354(F=-130), 6-9=354(F=-130), 10-19=34(F=-14)
Concentrated Loads (lb)
Vert: 23=300
- 26) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=354(F=-130), 2-4=354(F=-130), 4-5=354(F=-130), 5-6=354(F=-130), 6-9=354(F=-130), 10-19=34(F=-14)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G25A	ROOF SPECIAL GIRDER	1	2	Job Reference (optional)

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LOAD CASE(S) Standard

- Concentrated Loads (lb)
Vert: 25=300
- 27) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-354(F=-130), 2-4=-354(F=-130), 4-5=-354(F=-130), 5-6=-354(F=-130), 6-9=-354(F=-130), 10-19=-34(F=-14)
Concentrated Loads (lb)
Vert: 27=300
- 28) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-354(F=-130), 2-4=-354(F=-130), 4-5=-354(F=-130), 5-6=-354(F=-130), 6-9=-354(F=-130), 10-19=-34(F=-14)
Concentrated Loads (lb)
Vert: 29=300
- 29) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-354(F=-130), 2-4=-354(F=-130), 4-5=-354(F=-130), 5-6=-354(F=-130), 6-9=-354(F=-130), 10-19=-34(F=-14)
Concentrated Loads (lb)
Vert: 31=300
- 30) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-354(F=-130), 2-4=-354(F=-130), 4-5=-354(F=-130), 5-6=-354(F=-130), 6-9=-354(F=-130), 10-19=-34(F=-14)
Concentrated Loads (lb)
Vert: 32=300
- 31) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-354(F=-130), 2-4=-354(F=-130), 4-5=-354(F=-130), 5-6=-354(F=-130), 6-9=-354(F=-130), 10-19=-34(F=-14)
Concentrated Loads (lb)
Vert: 9=300
- 32) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-354(F=-130), 2-4=-354(F=-130), 4-5=-354(F=-130), 5-6=-354(F=-130), 6-9=-354(F=-130), 10-19=-34(F=-14)
Concentrated Loads (lb)
Vert: 2=300
- 33) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-354(F=-130), 2-4=-354(F=-130), 4-5=-354(F=-130), 5-6=-354(F=-130), 6-9=-354(F=-130), 10-19=-34(F=-14)
Concentrated Loads (lb)
Vert: 3=300
- 34) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-354(F=-130), 2-4=-354(F=-130), 4-5=-354(F=-130), 5-6=-354(F=-130), 6-9=-354(F=-130), 10-19=-34(F=-14)
Concentrated Loads (lb)
Vert: 4=300
- 35) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-354(F=-130), 2-4=-354(F=-130), 4-5=-354(F=-130), 5-6=-354(F=-130), 6-9=-354(F=-130), 10-19=-34(F=-14)
Concentrated Loads (lb)
Vert: 5=300
- 36) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-354(F=-130), 2-4=-354(F=-130), 4-5=-354(F=-130), 5-6=-354(F=-130), 6-9=-354(F=-130), 10-19=-34(F=-14)
Concentrated Loads (lb)
Vert: 6=300
- 37) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-354(F=-130), 2-4=-354(F=-130), 4-5=-354(F=-130), 5-6=-354(F=-130), 6-9=-354(F=-130), 10-19=-34(F=-14)
Concentrated Loads (lb)
Vert: 7=300
- 38) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-354(F=-130), 2-4=-354(F=-130), 4-5=-354(F=-130), 5-6=-354(F=-130), 6-9=-354(F=-130), 10-19=-34(F=-14)
Concentrated Loads (lb)
Vert: 8=300

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G25B	Flat Girder	1	2	

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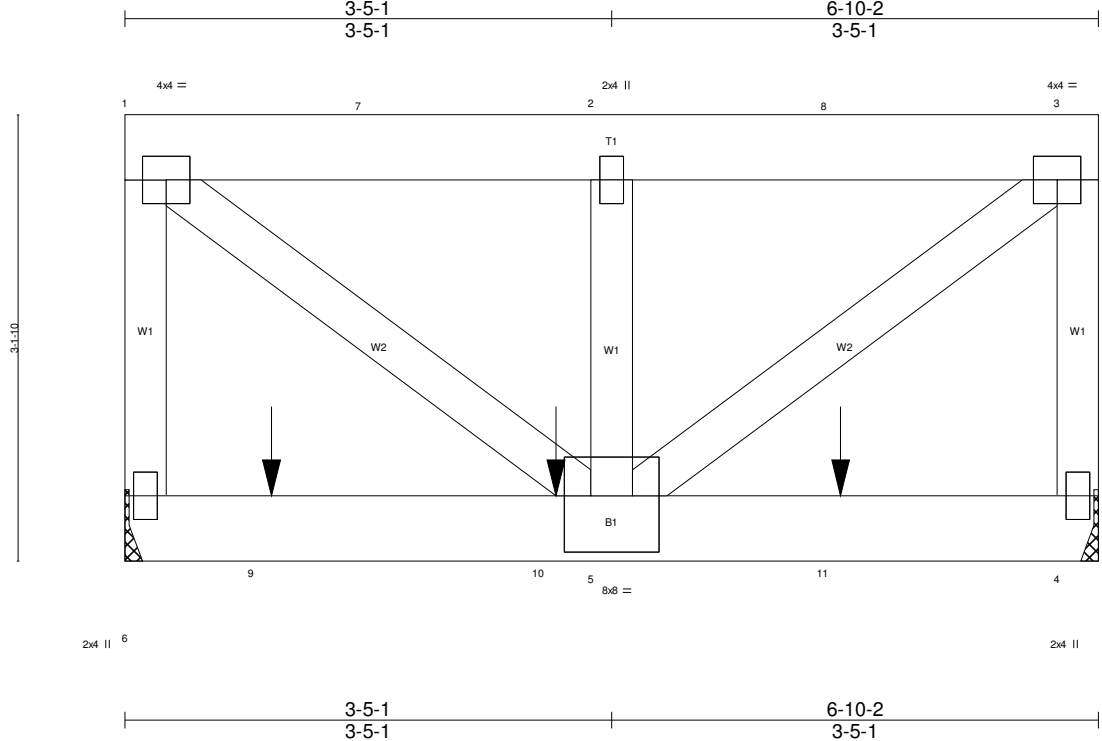


Plate Offsets (X,Y)-- [5:0-4-0,0-4-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.20 BC 0.24 WB 0.50 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.02 5-6 >999 360 Vert(TL) -0.03 5-6 >999 240 Horz(TL) -0.00 4 n/a n/a	MT20	197/144
TCDL 7.0				Weight: 81 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x6 SPF 2100F 1.8E
 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=2253/Mechanical, 4=1855/Mechanical
 Max Uplift 6=-513(LC 5), 4=-422(LC 5)
 Max Grav 6=2721(LC 11), 4=2287(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-6=-1838/345, 1-7=-1838/354, 2-7=-1838/354, 2-8=-1838/354, 3-8=-1838/354, 3-4=-1838/345
 WEBS 1-5=-458/2373, 2-5=-587/123, 3-5=-458/2373

JOINT STRESS INDEX
 1 = 0.72, 2 = 0.12, 3 = 0.72, 4 = 0.37, 5 = 0.50 and 6 = 0.37

- NOTES-**
- 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 0-6-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 2-5 2x4 - 1 row at 0-6-0 oc.
 - 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.
 - Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
 - Unbalanced snow loads have been considered for this design.
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 513 lb uplift at joint 6 and 422 lb uplift at joint 4.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TP1 1.
 - 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, concurrent with live and dead loads.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1211 lb down and 255 lb up at 1-0-6, and 1210 lb down and 255 lb up at 3-0-6, and 1210 lb down and 256 lb up at 5-0-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-99, 4-6=-20
 Concentrated Loads (lb)
 Vert: 9=-1111(B) 10=-1110(B) 11=-1110(B)

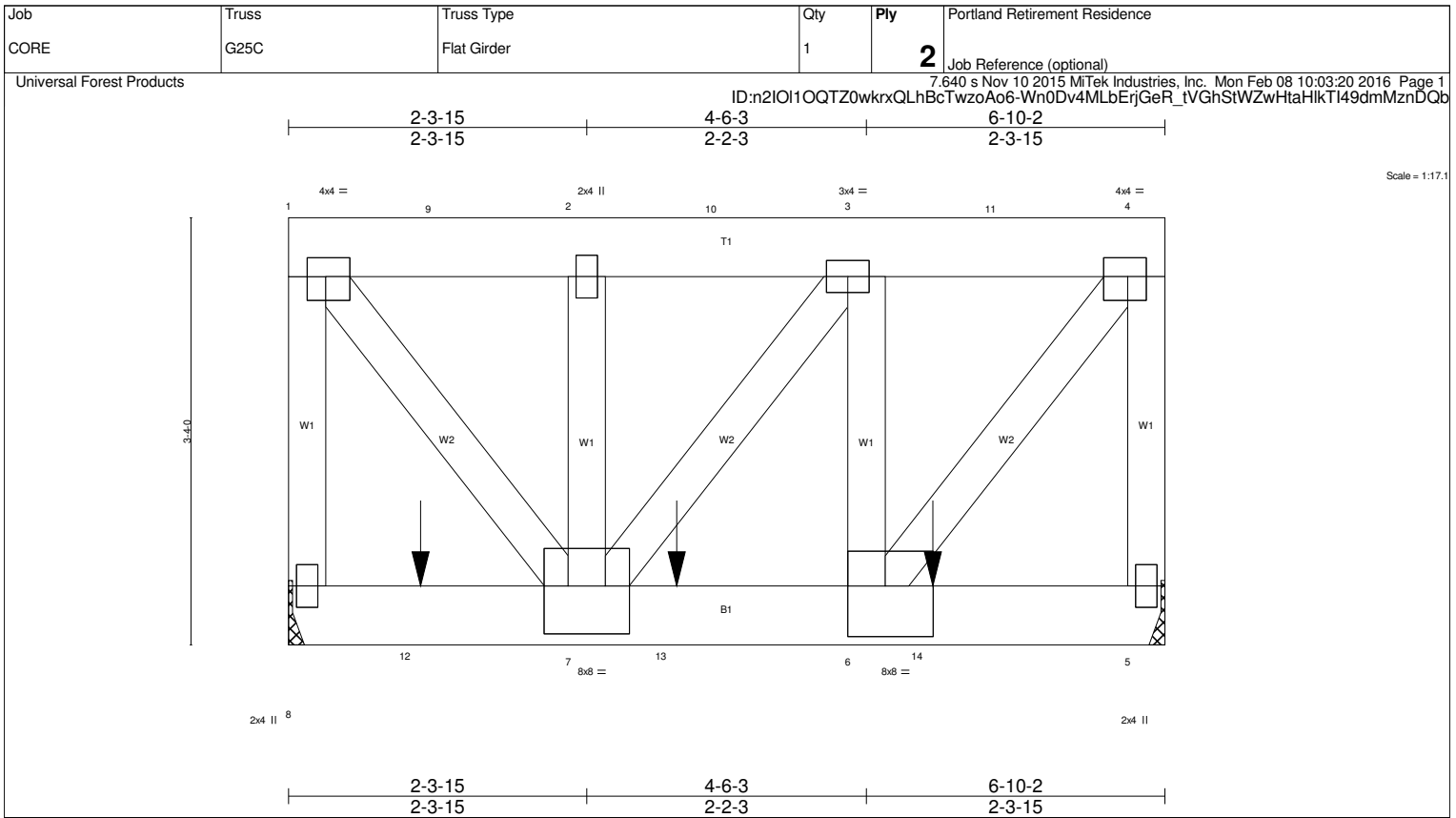


Plate Offsets (X,Y)-- [1:0-1-12,0-1-12], [4:0-1-12,0-1-12], [6:0-3-8,0-4-12], [7:0-4-0,0-4-8]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.29 BC 0.24 WB 0.68 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.02 6-7 >999 360 Vert(TL) -0.03 6-7 >999 240 Horz(TL) 0.00 5 n/a n/a	MT20	197/144
				Weight: 92 lb	FT = 4%

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x6 SPF 2100F 1.8E
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=3093/Mechanical, 5=2516/Mechanical
Max Uplift 8=-702(LC 5), 5=-571(LC 5)
Max Grav 8=3561(LC 11), 5=2948(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-2659/521, 1-9=-1812/361, 2-9=-1812/361, 2-10=-1812/361, 3-10=-1812/361, 3-11=-1798/359, 4-11=-1798/359, 4-5=-2621/514
BOT CHORD 7-13=-359/1798, 6-13=-359/1798
WEBS 1-7=-597/2994, 2-7=-428/68, 3-6=-416/81, 4-6=-592/2971

JOINT STRESS INDEX
1 = 0.82, 2 = 0.09, 3 = 0.10, 4 = 0.81, 5 = 0.54, 6 = 0.40, 7 = 0.55 and 8 = 0.55

- 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 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - 3) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - 4) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
 - 5) Unbalanced snow loads have been considered for this design.
 - 6) Provide adequate drainage to prevent water ponding.
 - 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) Refer to girder(s) for truss to truss connections.
 - 10) Provide metal plate or equivalent at bearing(s) 8 to support reaction shown.
 - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 702 lb uplift at joint 8 and 571 lb uplift at joint 5.
 - 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, concurrent with live and dead loads.
 - 14) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1711 lb down and 368 lb up at 1-0-6, and 1710 lb down and 369 lb up at 3-0-6, and 1710 lb down and 369 lb up at 5-0-6 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: 1-4=-99, 5-8=-20

Concentrated Loads (lb)
Vert: 12=-1611(F) 13=-1610(F) 14=-1610(F)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G25D	Half Hip Girder	2	1	Job Reference (optional)

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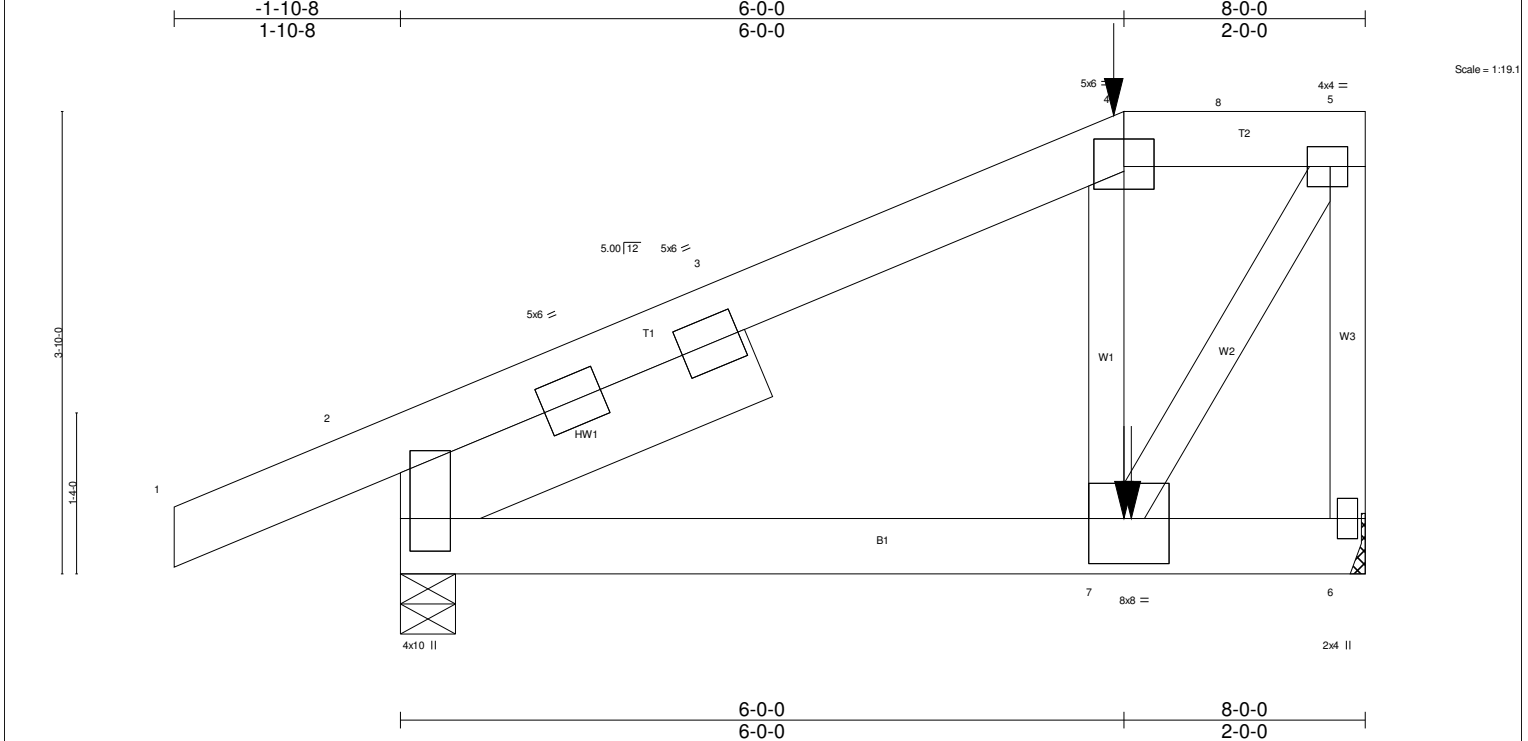


Plate Offsets (X,Y)-- [2:0-7-13,0-1-0], [4:0-3-0,0-2-12], [5:0-1-12,0-2-0], [7:0-3-8,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.55 BC 0.21 WB 0.58 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.01 2-7 >999 360 Vert(TL) -0.04 2-7 >999 240 Horz(TL) 0.01 6 n/a n/a	MT20	197/144
TCDL 7.0				Weight: 52 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 BOT CHORD 2x6 SPF No.2 WEBS 2x4 SPF No.3 SLIDER Left 2x8 SPF No.2 3-2-14	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.

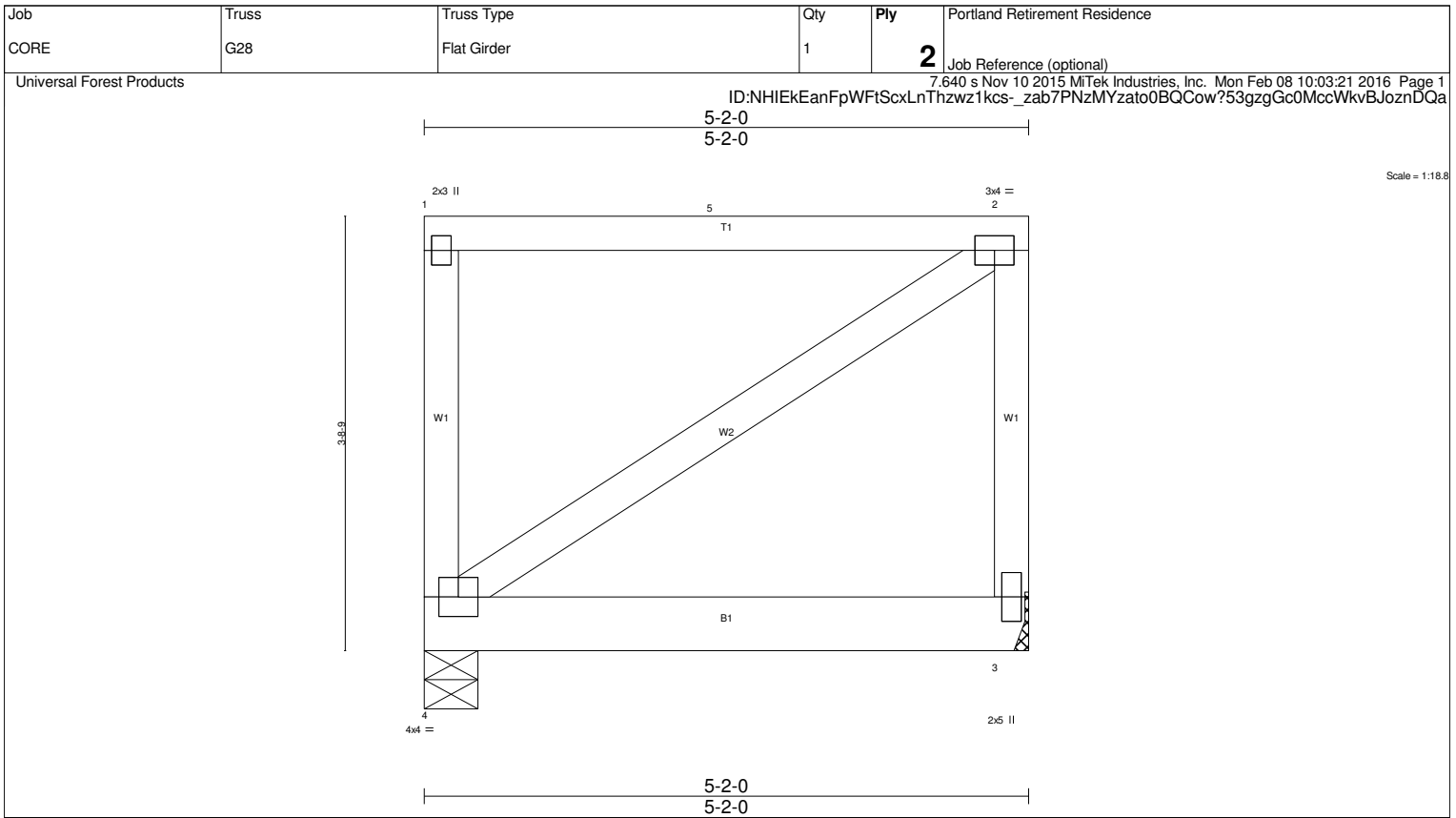
REACTIONS. (lb/size) 6=990/Mechanical, 2=855/0-5-8
 Max Horz 2=144(LC 7)
 Max Uplift 6=-259(LC 7), 2=-231(LC 7)
 Max Grav 6=1401(LC 16), 2=1191(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1019/90, 3-4=-759/95, 4-8=-723/137, 5-8=-722/137, 5-6=-1383/252
 BOT CHORD 2-7=-131/700
 WEBS 4-7=-523/156, 5-7=-270/1417

JOINT STRESS INDEX
 2 = 0.57, 2 = 0.18, 2 = 0.18, 3 = 0.00, 4 = 0.31, 5 = 0.82, 6 = 0.55 and 7 = 0.37

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 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 259 lb uplift at joint 6 and 231 lb uplift at joint 2.
 - 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, concurrent with live and dead loads.
 - 12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 252 lb down and 92 lb up at 6-0-0 on top chord, and 623 lb down and 139 lb up at 6-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-99, 4-5=-99, 2-6=-20
 Concentrated Loads (lb)
 Vert: 4=-217(F) 7=-511(F)



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	Plate Grip DOL 1.15		TC 0.47	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15		BC 0.06	Vert(LL) -0.00 3-4 >999 360		
BCLL 0.0	Rep Stress Incr NO		WB 0.00	Vert(TL) -0.01 3-4 >999 240		
BCDL 10.0	Code IBC2009/TPI2007		(Matrix)	Horz(TL) 0.00 n/a n/a		
					Weight: 56 lb	FT = 4%

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

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

REACTIONS. (lb/size) 4=278/0-5-8, 3=278/Mechanical
Max Uplift 4=-91(LC 5), 3=-91(LC 5)
Max Grav 4=383(LC 13), 3=383(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-334/115, 2-3=-334/115

JOINT STRESS INDEX
1 = 0.10, 2 = 0.08, 3 = 0.05 and 4 = 0.06

- NOTES-**
- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - 3) 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 ; 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) 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 91 lb uplift at joint 4 and 91 lb uplift at joint 3.
 - 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
CORE	G32	COMMON	1	2	

Job Reference (optional)

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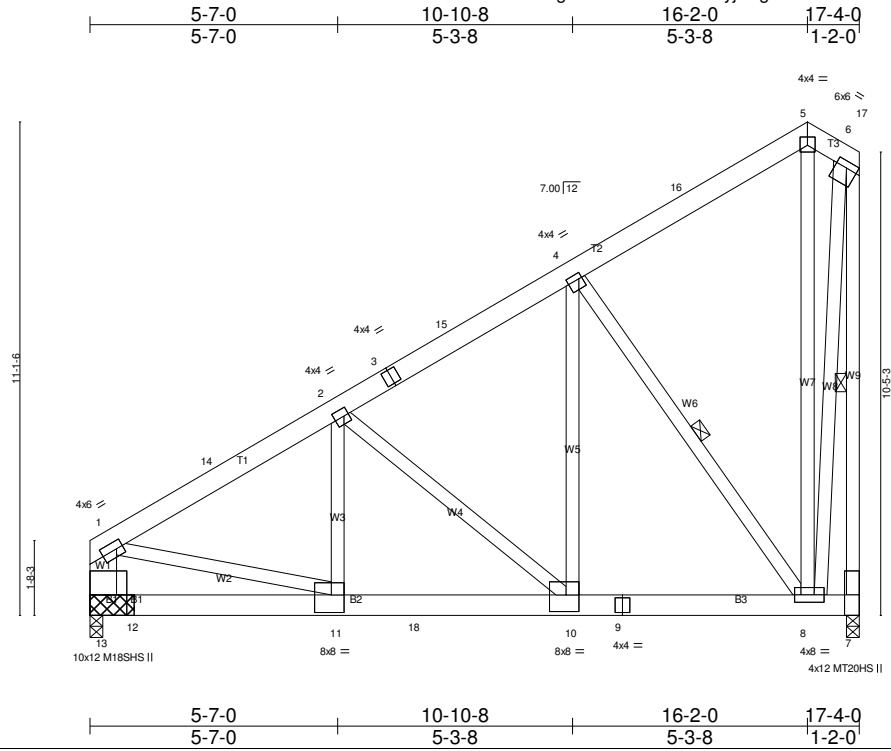


Plate Offsets (X,Y)-- [1:0-1-12,0-2-0], [2:0-1-4,0-2-0], [4:0-0-12,0-1-8], [5:0-2-0,0-2-4], [6:Edge,0-1-12], [7:0-5-8,Edge], [8:0-1-12,0-2-0], [10:0-3-8,0-4-8], [11:0-3-8,0-4-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.59 BC 0.56 WB 0.76 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.09 8-10 >999 360 Vert(TL) -0.15 8-10 >999 240 Horz(TL) 0.02 7 n/a n/a	MT20 MT20HS M18SHS Weight: 287 lb	197/144 148/108 197/144 FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SPF 2100F 1.8E *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except*	WEBS 1 Row at midpt 4-8, 6-7
W1: 2x8 SPF No.2, W9: 2x4 SPF No.2	

REACTIONS. (lb/size) 13=5492/(0-3-8 + bearing block) (req. 0-4-5), 7=3816/0-3-8
 Max Horz 13=528(LC 8)
 Max Uplift 13=-1786(LC 9), 7=-1346(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-14=-5120/1634, 2-14=-4951/1654, 2-3=-2789/939, 3-15=-2720/945, 4-15=-2688/957, 4-16=-535/269, 5-16=-411/280, 5-17=-589/466,
 6-17=-591/462, 1-13=-3495/1156, 6-7=-3257/1385
 BOT CHORD 12-13=-984/1706, 11-12=-984/1706, 11-18=-1531/4277, 10-18=-1531/4277, 9-10=-859/2350, 8-9=-859/2350
 WEBS 2-11=-829/2487, 2-10=-2518/988, 4-10=-1162/3434, 4-8=-3529/1344, 5-8=-479/821, 1-11=-744/2655, 6-8=-947/2794

JOINT STRESS INDEX
 1 = 0.85, 2 = 0.80, 3 = 0.47, 4 = 0.76, 5 = 0.35, 6 = 0.83, 7 = 0.68, 8 = 0.92, 9 = 0.42, 10 = 0.45, 11 = 0.35, 12 = 0.00, 12 = 0.00, 12 = 0.00, 13 = 0.79, 13 = 0.00 and 13 = 0.00

- NOTES-**
- 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, 2x8 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row 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.
 - 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.
 - 2x6 SPF 2100F 1.8E 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1786 lb uplift at joint 13 and 1346 lb uplift at joint 7.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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=-94, 5-6=-94, 13-18=-696(F=-676), 7-18=-287(F=-267)

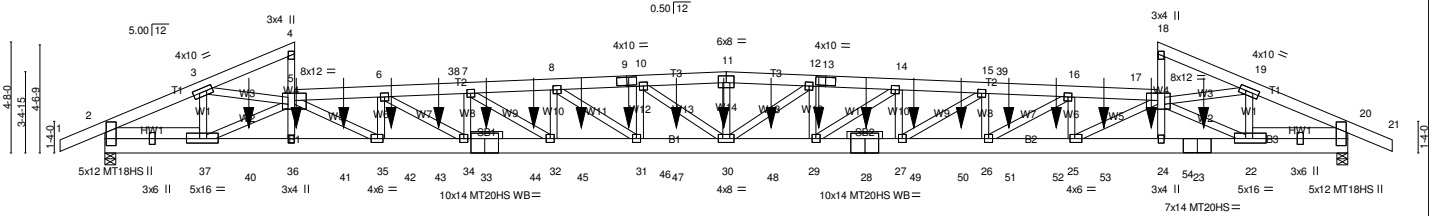
Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G52	ROOF SPECIAL GIRDER	1	4	Job Reference (optional)

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1-10-8	4-1-12	8-0-0	11-7-10	15-3-3	18-10-13	22-6-6	26-2-0	29-9-10	33-5-3	37-0-13	40-8-6	44-4-0	48-2-4	52-4-0	54-2-8
1-10-8	4-1-12	3-10-4	3-7-10	3-7-10	3-7-10	3-7-10	3-7-10	3-7-10	3-7-10	3-7-10	3-7-10	3-7-10	3-10-4	4-1-12	1-10-8

Scale = 1:97.0



4-1-12	8-0-0	11-7-10	15-3-3	18-10-13	22-6-6	26-2-0	29-9-10	33-5-3	37-0-13	40-8-6	44-4-0	48-2-4	52-4-0
4-1-12	3-10-4	3-7-10	3-7-10	3-7-10	3-7-10	3-7-10	3-7-10	3-7-10	3-7-10	3-7-10	3-7-10	3-10-4	4-1-12

Plate Offsets (X,Y)-- [2:0-7-13,0-2-8], [3:0-3-0,0-2-0], [5:0-5-12,0-3-12], [11:0-4-0,0-3-8], [17:0-5-12,0-3-12], [19:0-3-4,0-2-0], [20:0-7-13,0-2-8], [22:0-5-12,0-2-4], [24:0-2-4,0-1-8], [25:0-2-8,0-2-0], [35:0-2-12,0-2-0], [36:0-2-4,0-1-8], [37:0-5-12,0-2-4]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	Plate Grip DOL 2-0-0 Lumber DOL 1.15	TC 0.58 BC 0.68 WB 0.94 (Matrix)	in (loc) l/defl L/d Vert(LL) -1.61 30 >391 360 Vert(TL) -2.35 30 >267 240 Horz(TL) 0.29 20 n/a n/a	MT20 MT20HS MT18HS Weight: 1508 lb	197/144 187/143 197/144 FT = 4%
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x6 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x8 SP DSS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W1,W2,W5,W10: 2x4 SPF No.2	
OTHERS 2x4 SPF No.2	
SLIDER Left 2x6 SPF No.2 4-0-0, Right 2x6 SPF No.2 4-0-0	

REACTIONS. (lb/size) 2=9147/0-5-8, 20=9089/0-5-8
Max Horz 2=223(LC 6)
Max Uplift 2=-2321(LC 4), 20=-2308(LC 5)

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

TOP CHORD
2-3=-16845/4259, 3-4=-616/131, 5-36=-228/976, 5-6=-37981/10025, 6-38=-42606/11261,
7-38=-42595/11262, 7-8=-44914/11882, 8-9=-45122/11945, 9-10=-45111/11945, 10-11=-43925/11630,
11-12=-43925/11630, 12-13=-45117/11945, 13-14=-45131/11945, 14-15=-44883/11867, 15-39=-42563/11243,
16-39=-42574/11242, 16-17=-37957/10004, 17-24=-239/1007, 18-19=-615/150, 19-20=-16716/4231

BOT CHORD
2-37=-3643/14350, 37-40=-7620/29530, 36-40=-7620/29530, 36-41=-7713/29869, 35-41=-7713/29869,
35-42=-9862/37942, 42-43=-9862/37942, 34-43=-9862/37942, 33-34=-11090/42563, 33-44=-11090/42563,
32-44=-11090/42563, 32-45=-11705/44870, 45-46=-11705/44870, 31-46=-11705/44870, 31-47=-11763/45076,
30-47=-11763/45076, 30-48=-11759/45085, 29-48=-11759/45085, 28-29=-11688/44839, 27-28=-11688/44839,
27-49=-11071/42531, 49-50=-11071/42531, 26-50=-11071/42531, 26-51=-9840/37918, 51-52=-9840/37918,
25-52=-9840/37918, 25-53=-7681/29821, 53-54=-7681/29821, 24-54=-7681/29821, 23-24=-7589/29479,
22-23=-7589/29479, 20-22=-3575/14241

WEBS
3-37=-2463/9546, 3-5=-13904/3630, 5-37=-17496/4605, 5-35=-2465/9360, 6-35=-3506/958,
6-34=-1453/5552, 7-34=-2041/564, 7-32=-741/2915, 8-32=-622/181, 8-31=-195/730, 10-31=-193/982,
10-30=-2041/400, 11-30=-778/3055, 12-30=-2052/400, 12-29=-176/991, 14-29=-146/779, 14-27=-654/197,
15-27=-753/2916, 15-26=-2017/572, 16-26=-1465/5498, 16-25=-3555/962, 17-25=-2485/9494,
17-19=-13796/3599, 17-22=-17594/4627, 19-22=-2432/9507

JOINT STRESS INDEX
2 = 0.95, 3 = 0.95, 4 = 0.62, 5 = 0.95, 6 = 0.85, 7 = 0.45, 8 = 0.39, 9 = 0.87, 10 = 0.39, 11 = 0.90, 12 = 0.39, 13 = 0.87, 14 = 0.39, 15 = 0.45, 16 = 0.84, 17 = 0.96, 18 = 0.62, 19 = 0.96, 20 = 0.94, 22 = 0.99, 22 = 0.17, 23 = 0.72, 24 = 0.61, 25 = 0.89, 26 = 0.86, 27 = 0.46, 28 = 0.90, 29 = 0.38, 30 = 0.42, 31 = 0.38, 32 = 0.46, 33 = 0.86, 34 = 0.86, 35 = 0.95, 36 = 0.60, 37 = 0.98 and 37 = 0.17

- NOTES-**
- 4-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-4-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-5-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
Attach BC w/ 1/2" diam. bolts (ASTM A-307) in the center of the member w/washers at 4-0-0 oc.
 - 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.
 - Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 42.3 psf on overhangs non-concurrent with other live loads.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - All plates are 4x4 MT20 unless otherwise indicated.
- Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G52	ROOF SPECIAL GIRDER	1	4	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:25 2016 Page 2
 ID:n2IOH1OQTZ0wkrxQLhBcTzwoAo6-tp6znQUQmU0MQKyf2ss9xDKBIUmyysCRMtOSZznDQW

NOTES-

- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2321 lb uplift at joint 2 and 2308 lb uplift at joint 20.
- 11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 997 lb down and 269 lb up at 6-0-12, 508 lb down and 147 lb up at 8-0-12, 508 lb down and 147 lb up at 10-0-12, 508 lb down and 147 lb up at 12-0-12, 508 lb down and 147 lb up at 14-0-12, 508 lb down and 147 lb up at 16-0-12, 508 lb down and 147 lb up at 18-0-12, 508 lb down and 147 lb up at 20-0-12, 508 lb down and 147 lb up at 22-0-12, 508 lb down and 147 lb up at 24-0-12, 508 lb down and 147 lb up at 26-0-12, 508 lb down and 147 lb up at 28-0-12, 508 lb down and 147 lb up at 30-0-12, 508 lb down and 147 lb up at 32-0-12, 508 lb down and 147 lb up at 34-0-12, 508 lb down and 147 lb up at 36-0-12, 508 lb down and 147 lb up at 38-0-12, 508 lb down and 147 lb up at 40-0-12, 508 lb down and 147 lb up at 42-0-12, and 508 lb down and 147 lb up at 44-0-12, and 997 lb down and 269 lb up at 46-3-4 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: 1-4=-99, 5-11=-99, 11-17=-99, 18-21=-99, 2-20=-20

Concentrated Loads (lb)

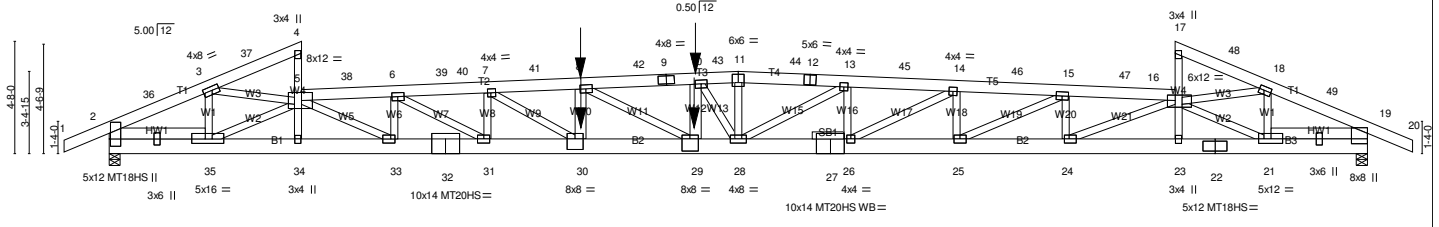
Vert: 36=-508(B) 33=-508(B) 30=-508(B) 29=-508(B) 23=-997(B) 28=-508(B) 40=-997(B) 41=-508(B) 42=-508(B) 43=-508(B) 44=-508(B) 45=-508(B) 46=-508(B) 47=-508(B) 48=-508(B) 49=-508(B) 50=-508(B) 51=-508(B) 52=-508(B) 53=-508(B) 54=-508(B)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G52A	ROOF SPECIAL GIRDER	2	3	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:29 2016 Page 1
 ID:n2IO1tOQTZ0wkrxQLhBcTlwzoAo6-IW3co9T?U?_Sr1djuuxoKnO0kvr7tmtnM_rcbKznDQS

1-10-8	4-1-12	8-0-0	11-10-7	15-8-14	19-7-6	24-4-12	26-2-0	30-8-8	35-3-0	39-9-8	44-4-0	48-2-4	52-4-0	54-2-8
1-10-8	4-1-12	3-10-4	3-10-7	3-10-7	3-10-7	4-9-7	1-9-4	4-6-8	4-6-8	4-6-8	4-6-8	3-10-4	4-1-12	1-10-8

Scale: 1/8"=1'



4-1-12	8-0-0	11-10-7	15-8-14	19-7-6	24-4-12	26-2-0	30-8-8	35-3-0	39-9-8	44-4-0	48-2-4	52-4-0
4-1-12	3-10-4	3-10-7	3-10-7	3-10-7	4-9-7	1-9-4	4-6-8	4-6-8	4-6-8	4-6-8	3-10-4	4-1-12

Plate Offsets (X,Y)-- [2:0-7-13,0-2-8], [3:0-3-8,0-2-0], [5:0-5-8,0-4-0], [7:0-1-12,0-2-0], [11:0-3-0,0-4-0], [16:0-3-12,0-2-12], [18:0-2-8,0-2-0], [21:0-2-12,0-2-4], [23:0-2-4,0-1-8], [24:0-2-8,0-2-0], [29:0-4-0,0-6-0], [30:0-4-0,0-5-4], [31:0-2-12,0-2-0], [33:0-2-0,0-2-0], [34:0-2-4,0-1-8], [35:0-5-12,0-2-4]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.61 BC 0.66 WB 0.94 (Matrix)	in (loc) l/def L/d Vert(LL) -1.46 29 >429 360 Vert(TL) -2.47 29 >254 240 Horz(TL) 0.28 19 n/a n/a	MT20 MT20HS MT18HS Weight: 1229 lb	197/144 187/143 197/144 FT = 4%
TCDL 7.0	Rep Stress Incr NO				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0					

LUMBER-
 TOP CHORD 2x6 SP No.1 *Except*
 T3,T2: 2x6 SP 2400F 2.0E, T4,T5: 2x6 SP DSS
 BOT CHORD 2x8 SP 2400F 2.0E *Except*
 B3: 2x8 SP DSS
 WEBS 2x4 SPF No.3 *Except*
 W4: 2x4 SP DSS, W5,W21: 2x4 SPF No.2, W10,W12: 2x6 SPF No.2
 OTHERS 2x4 SPF No.2
 SLIDER Left 2x6 SPF 2100F 1.8E 4-0-0, Right 2x6 SPF 2100F 1.8E 4-0-0

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-8-13 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=6321/0-5-8, 19=5542/0-5-8
 Max Horz 2=223(LC 7)
 Max Uplift 2=-1349(LC 5), 19=-1173(LC 6)
 Max Grav 2=6890(LC 33), 19=6037(LC 44)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-36=-12390/2367, 3-36=-12285/2377, 3-37=-744/96, 4-37=-533/107, 5-34=-280/103, 4-5=-283/84, 5-38=-30217/6204, 6-38=-30208/6204, 6-39=-35883/7385, 39-40=-35875/7385, 7-40=-35873/7386, 7-41=-40047/8264, 8-41=-40039/8265, 8-42=-39416/8143, 9-42=-39407/8143, 9-10=-39403/8144, 10-43=-37315/7703, 11-43=-37312/7703, 11-44=-37320/7703, 12-44=-37322/7702, 12-13=-37327/7702, 13-45=-35137/7229, 14-45=-35146/7228, 14-46=-31784/6512, 15-46=-31792/6511, 15-47=-26743/5456, 16-47=-26752/5456, 17-48=-464/103, 18-48=-650/92, 18-49=-10637/2037, 19-49=-10741/2027
 BOT CHORD 2-35=-2033/10558, 34-35=-4304/21799, 33-34=-4407/22286, 32-33=-6044/30184, 31-32=-6044/30184, 30-31=-7217/35844, 29-30=-8089/40005, 28-29=-7964/39373, 27-28=-7050/35107, 26-27=-7050/35107, 25-26=-6342/31757, 24-25=-5296/26721, 23-24=-3763/19320, 22-23=-3667/18861, 21-22=-3667/18861, 19-21=-1697/9145
 WEBS 3-35=-1324/6780, 3-5=-10036/2037, 5-35=-13001/2638, 5-33=-1851/9048, 6-33=-4089/895, 6-31=-1367/6716, 7-31=-3310/722, 7-30=-1033/5115, 8-30=-695/189, 8-29=-1179/175, 10-29=-575/3004, 10-28=-4143/833, 11-28=-474/2543, 13-28=-621/3178, 13-26=-1917/453, 14-26=-820/4043, 14-25=-2593/590, 15-25=-1188/5819, 15-24=-3342/753, 16-24=-1695/8254, 16-18=-8707/1756, 16-21=-11246/2270, 18-21=-1113/5821

JOINT STRESS INDEX
 2 = 0.93, 3 = 0.95, 4 = 0.72, 5 = 0.91, 6 = 0.91, 7 = 0.86, 8 = 0.28, 9 = 0.91, 10 = 0.51, 11 = 0.86, 12 = 0.88, 13 = 0.65, 14 = 0.80, 15 = 0.78, 16 = 0.98, 17 = 0.63, 18 = 0.97, 19 = 0.87, 21 = 0.99, 21 = 0.17, 22 = 0.79, 23 = 0.85, 24 = 0.95, 25 = 0.79, 26 = 0.81, 27 = 0.94, 28 = 0.72, 29 = 0.82, 30 = 0.39, 31 = 0.84, 32 = 0.81, 33 = 0.89, 34 = 0.90, 35 = 0.97 and 35 = 0.17

- NOTES-**
- 3-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, 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x8 - 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 0-5-0 oc, Except member 10-29 2x6 - 3 rows staggered at 0-5-0 oc.
 - 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.
 - Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 42.3 psf on overhangs non-concurrent with other live loads.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
- Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G52A	ROOF SPECIAL GIRDER	2	3	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:29 2016 Page 2
 ID:n2IOI1OQTZ0wkrxQLhBcTwzoAo6-IW3co9T?U?_Sr1djuuxoKnO0kvr7tmtnM_rcbKznDQS

NOTES-

- 9) All plates are 4x6 MT20 unless otherwise indicated.
- 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 1349 lb uplift at joint 2 and 1173 lb uplift at joint 19.
- 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, concurrent with live and dead loads.
- 14) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 475 lb down and 103 lb up at 19-7-6, and 475 lb down and 103 lb up at 24-4-12 on top chord, and 2067 lb down and 432 lb up at 19-7-8, and 2728 lb down and 581 lb up at 24-4-0 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: 1-4=-99, 5-11=-99, 11-16=-99, 17-20=-99, 2-19=-20
 Concentrated Loads (lb)
 Vert: 30=-1835(F) 8=-475 29=-2496(F) 10=-475

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G107	MONO TRUSS	1	1	

Job Reference (optional)

Universal Forest Products

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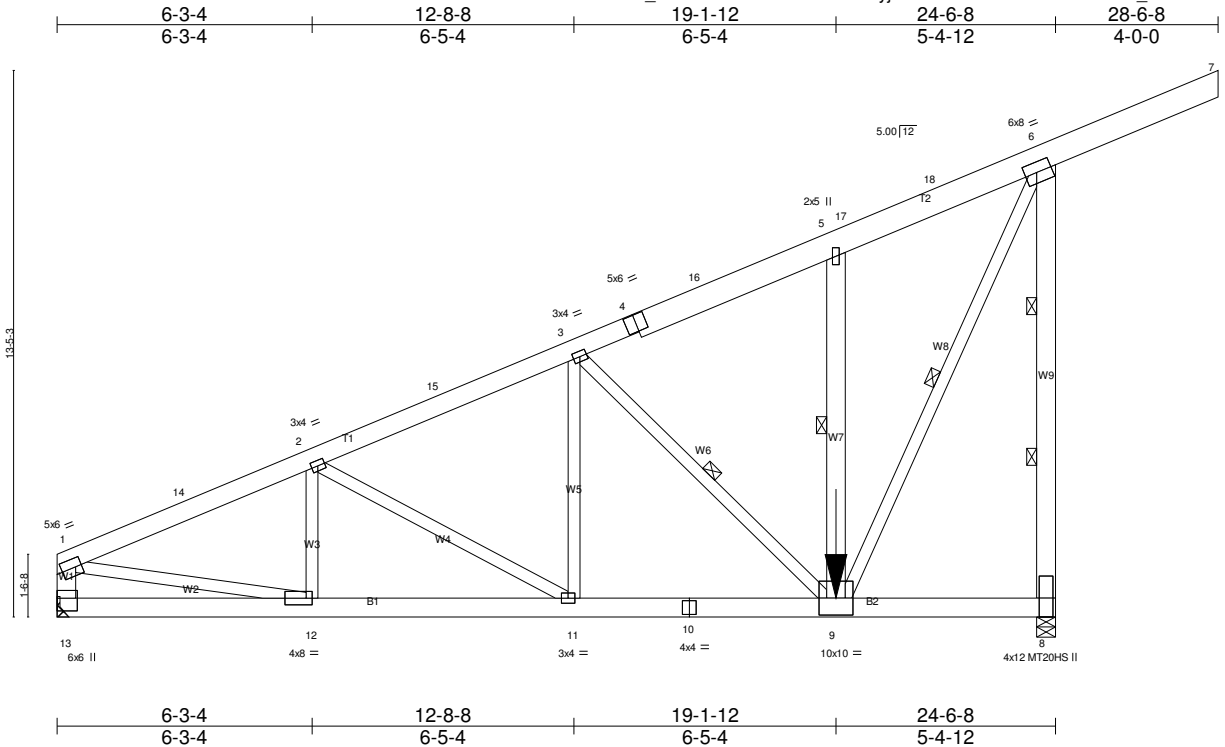


Plate Offsets (X,Y)-- [1:0-1-12,0-2-8], [6:0-3-8,0-3-0], [12:0-1-12,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.99 BC 0.49 WB 0.74 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.11 9-11 >999 360 Vert(TL) -0.18 9-11 >999 240 Horz(TL) 0.04 8 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0				Weight: 192 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x8 SPF No.2 *Except* T1: 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 1-7-8 oc purlins, except end verticals.
BOT CHORD 2x6 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W9,W7,W1: 2x6 SPF No.2, W8: 2x4 SPF No.2	WEBS 1 Row at midpt 3-9, 5-9, 6-9 2 Rows at 1/3 pts 6-8

REACTIONS. (lb/size) 8=2879/0-5-8, 13=1631/Mechanical
 Max Horz 13=658(LC 6)
 Max Uplift 8=-1240(LC 9), 13=-395(LC 9)
 Max Grav 8=3398(LC 2), 13=1637(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 1-14=-2472/565, 2-14=-2353/575, 2-15=-2152/479, 3-15=-2035/490, 3-4=-1402/288, 4-16=-1285/294, 5-16=-1262/302, 5-17=-1299/334,
 17-18=-1292/342, 6-18=-1121/351, 6-7=-283/0, 6-8=-3326/1315, 1-13=-1531/416
 BOT CHORD 12-13=-629/525, 11-12=-770/2172, 10-11=-548/1886, 9-10=-548/1886
 WEBS 2-12=-257/130, 2-11=-347/255, 3-11=-57/354, 3-9=-1005/473, 5-9=-373/273, 6-9=-948/2782, 1-12=-305/1677

JOINT STRESS INDEX
 1 = 0.98, 2 = 0.64, 3 = 0.64, 4 = 0.23, 5 = 0.31, 6 = 0.96, 8 = 0.88, 9 = 0.72, 10 = 0.77, 11 = 0.54, 12 = 0.55 and 13 = 0.77

- 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 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 1240 lb uplift at joint 8 and 395 lb uplift at joint 13.
 - 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) 1367 lb down and 447 lb up at 19-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-6=-94, 6-7=-94, 8-13=-20
 Concentrated Loads (lb)
 Vert: 9=-1367(F)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G108	MONO TRUSS	1	2	Job Reference (optional)

Universal Forest Products
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 ID:mftsDNfrVUmA4mM0vZYlqdyjDd?-iuANDqUF0cE94Ln60lzGPCtI3iZ1Lg74pHKjfdZnDQQ

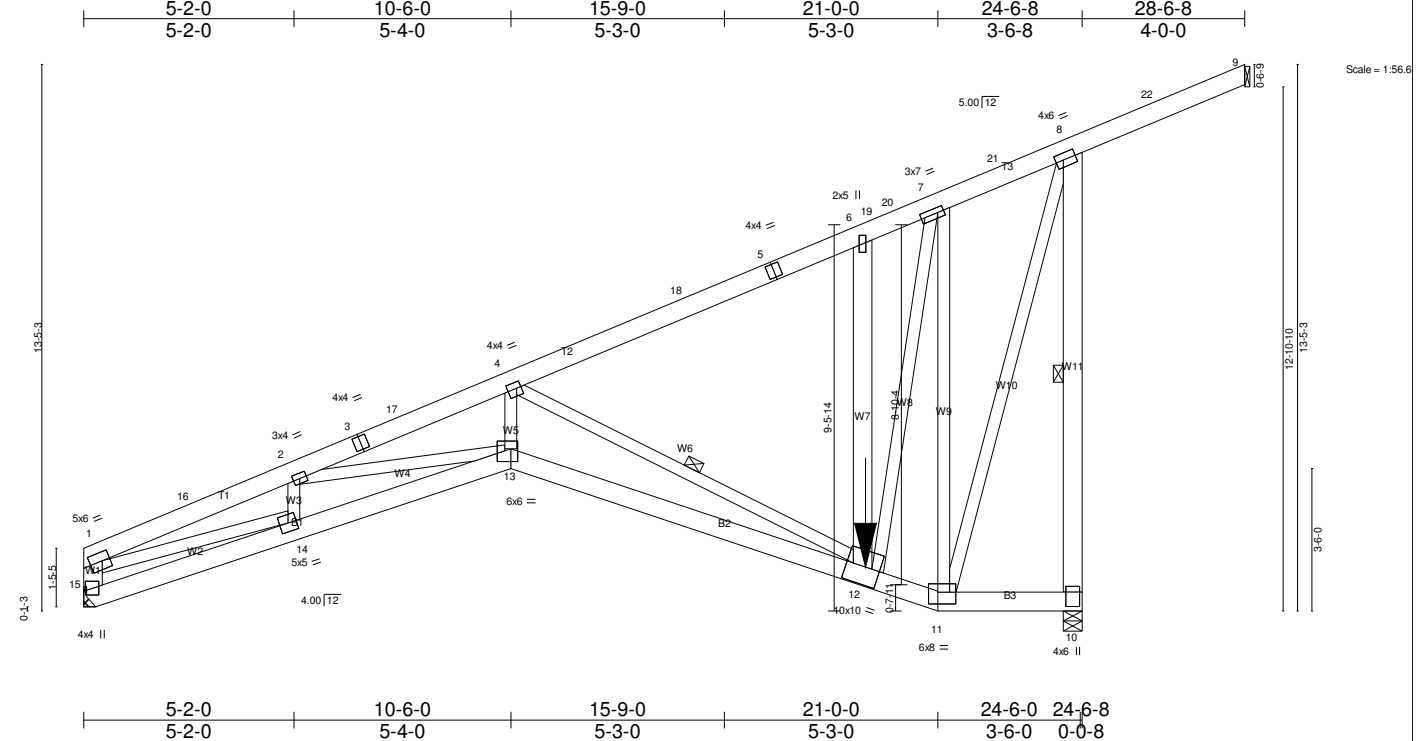


Plate Offsets (X,Y)--	[1:0-2-4,0-2-8], [4:0-1-4,0-1-12], [7:0-1-12,0-1-8], [8:0-2-4,0-2-0], [10:0-4-4,0-2-0], [11:0-5-4,0-3-8], [12:0-2-6,0-5-4], [13:0-2-0,0-3-12], [15:0-2-0,0-1-12]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.87 BC 0.56 WB 0.96 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.32 12-13 >907 360 Vert(TL) -0.45 12-13 >639 240 Horz(TL) -0.29 15 n/a n/a	MT20	197/144
TCDL 7.0				Weight: 392 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 *Except* T3: 2x6 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W11,W7,W1: 2x6 SPF No.2	WEBS 1 Row at midpt 8-10, 4-12

REACTIONS. (lb/size) 9=0/Mechanical, 10=3997/0-5-8, 15=1638/Mechanical
 Max Horz 9=1255(LC 1), 10=1255(LC 1)
 Max Uplift 10=-1158(LC 9), 15=-383(LC 9)
 Max Grav 10=4453(LC 2), 15=1704(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-16=-4526/969, 2-16=-4319/983, 2-3=-4663/1018, 3-17=-4567/1019, 4-17=-4536/1030, 4-18=-421/268, 5-18=-270/274, 5-6=-229/352,
 6-19=-591/495, 19-20=-575/496, 7-20=-491/501, 7-21=-23/1075, 8-21=-13/1147, 8-22=-80/1014, 9-22=-74/1143, 8-10=-4509/1299,
 1-15=-1840/445
 BOT CHORD 14-15=-201/952, 13-14=-848/4221, 12-13=-799/4460, 11-12=-709/405, 10-11=-1304/579
 WEBS 2-14=-697/206, 2-13=-523/269, 4-13=-440/2883, 4-12=-4602/1020, 6-12=-1599/624, 7-12=-1039/3703, 7-11=-1871/444, 1-14=-610/3083,
 8-11=-820/2390

JOINT STRESS INDEX
 1 = 0.93, 2 = 0.64, 3 = 0.86, 4 = 0.86, 5 = 0.65, 6 = 0.31, 7 = 0.95, 8 = 0.96, 10 = 0.76, 11 = 0.88, 12 = 0.92, 13 = 0.83, 14 = 0.57 and 15 = 0.90

- NOTES-**
- 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 0-9-0 oc.
 - 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Refer to girder(s) for truss to truss connections.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1158 lb uplift at joint 10 and 383 lb uplift at joint 15.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Load case(s) 1, 2, 3, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - 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.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1367 lb down and 447 lb up at 19-7-4 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

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G108	MONO TRUSS	1	2	Job Reference (optional)

Universal Forest Products

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 ID:mftsDNfrVUmA4mM0vZYlqdyDd?-iuANDqUF0cE94Ln60lzGPCtI3iZ1Lg74pHKjfDznDQQ

LOAD CASE(S) Standard

- Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
- Concentrated Loads (lb)
 - Vert: 12=-1367(F)
- Trapezoidal Loads (plf)
 - Vert: 1=-173-to-8=-107, 8=-107-to-9=-95
- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
 - Concentrated Loads (lb)
 - Vert: 12=-1367(F)
 - Trapezoidal Loads (plf)
 - Vert: 1=-173-to-19=-120, 19=-178-to-8=-165, 8=-165-to-9=-154
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
 - Concentrated Loads (lb)
 - Vert: 12=-695(F)
 - Trapezoidal Loads (plf)
 - Vert: 1=-117-to-8=-51, 8=-51-to-9=-39
- 13) Dead + Snow on Overhangs: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
 - Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
 - Concentrated Loads (lb)
 - Vert: 12=-408(F)
 - Trapezoidal Loads (plf)
 - Vert: 1=-93-to-8=-27, 8=-27-to-9=-15
- 14) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
 - Concentrated Loads (lb)
 - Vert: 12=-408(F) 1=-300
 - Trapezoidal Loads (plf)
 - Vert: 1=-93-to-8=-27, 8=-27-to-9=-15
- 15) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
 - Concentrated Loads (lb)
 - Vert: 12=-408(F) 16=-300
 - Trapezoidal Loads (plf)
 - Vert: 1=-93-to-8=-27, 8=-27-to-9=-15
- 16) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
 - Concentrated Loads (lb)
 - Vert: 12=-408(F) 17=-300
 - Trapezoidal Loads (plf)
 - Vert: 1=-93-to-8=-27, 8=-27-to-9=-15
- 17) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
 - Concentrated Loads (lb)
 - Vert: 12=-408(F) 18=-300
 - Trapezoidal Loads (plf)
 - Vert: 1=-93-to-8=-27, 8=-27-to-9=-15
- 18) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
 - Concentrated Loads (lb)
 - Vert: 12=-408(F) 20=-300
 - Trapezoidal Loads (plf)
 - Vert: 1=-93-to-8=-27, 8=-27-to-9=-15
- 19) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
 - Concentrated Loads (lb)
 - Vert: 12=-408(F) 21=-300
 - Trapezoidal Loads (plf)
 - Vert: 1=-93-to-8=-27, 8=-27-to-9=-15
- 20) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
 - Concentrated Loads (lb)
 - Vert: 8=-300 12=-408(F)
 - Trapezoidal Loads (plf)
 - Vert: 1=-93-to-8=-27, 8=-27-to-9=-15
- 21) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
 - Concentrated Loads (lb)
 - Vert: 12=-408(F) 22=-300
 - Trapezoidal Loads (plf)
 - Vert: 1=-93-to-8=-27, 8=-27-to-9=-15
- 22) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
 - Concentrated Loads (lb)
 - Vert: 2=-300 12=-408(F)
 - Trapezoidal Loads (plf)
 - Vert: 1=-93-to-8=-27, 8=-27-to-9=-15
- 23) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 13-15=-20, 11-13=-20, 10-11=-20
 - Concentrated Loads (lb)
 - Vert: 4=-300 12=-408(F)
 - Trapezoidal Loads (plf)
 - Vert: 1=-93-to-8=-27, 8=-27-to-9=-15

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	G108	MONO TRUSS	1	2	Job Reference (optional)

Universal Forest Products

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LOAD CASE(S) Standard

- 24) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 13-15=-20, 11-13=-20, 10-11=-20
 Concentrated Loads (lb)
 Vert: 12=-408(F) 6=-300
 Trapezoidal Loads (plf)
 Vert: 1=93-to-8=-27, 8=-27-to-9=-15
- 25) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 13-15=-20, 11-13=-20, 10-11=-20
 Concentrated Loads (lb)
 Vert: 12=-408(F) 7=-300
 Trapezoidal Loads (plf)
 Vert: 1=93-to-8=-27, 8=-27-to-9=-15
- 26) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 13-15=-20, 11-13=-20, 10-11=-20
 Concentrated Loads (lb)
 Vert: 9=-300 12=-408(F)
 Trapezoidal Loads (plf)
 Vert: 1=93-to-8=-27, 8=-27-to-9=-15

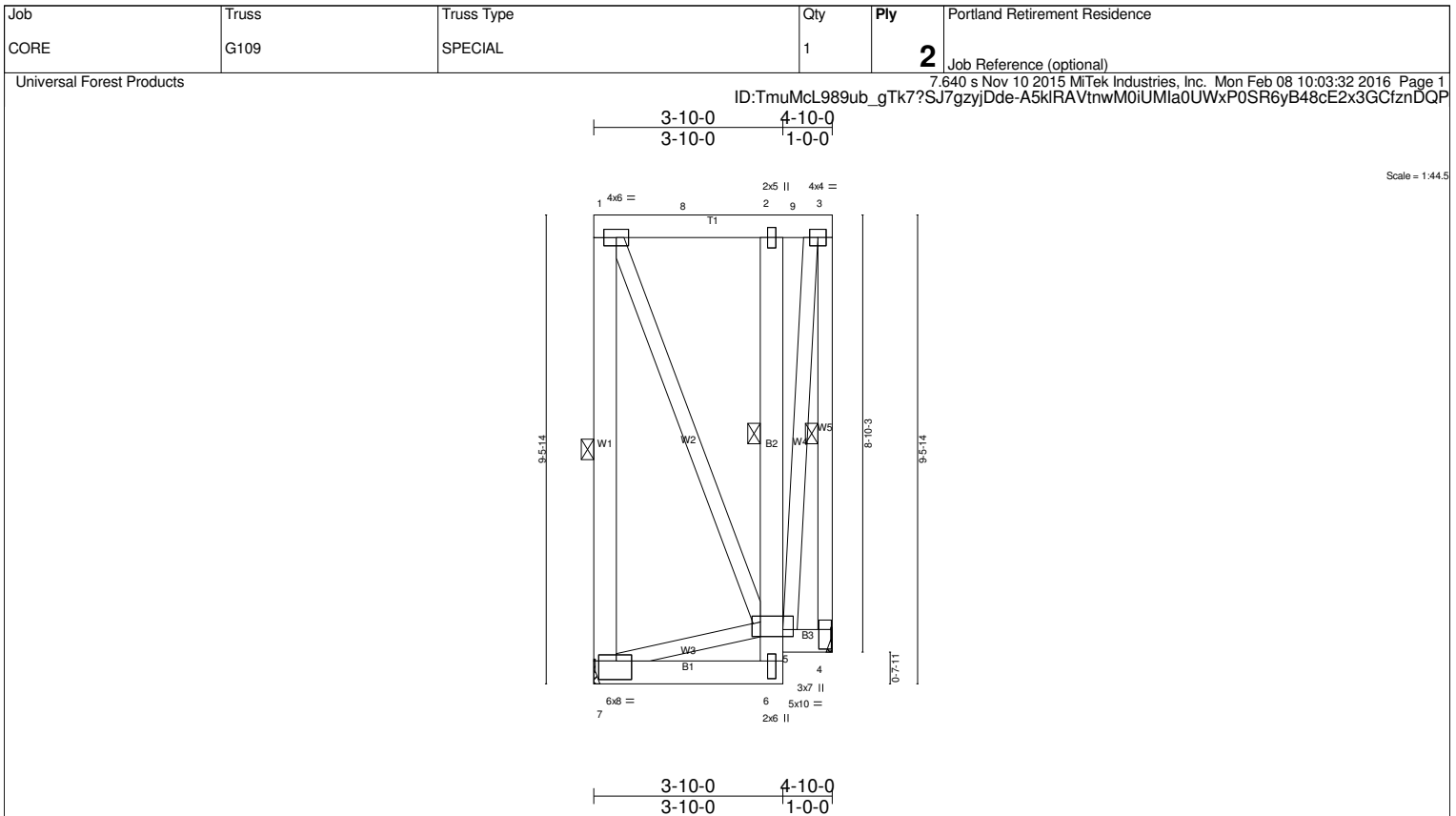


Plate Offsets (X,Y)-- [4:0-4-12,0-1-8], [5:0-2-8,0-1-12], [6:0-4-4,0-1-0], [7:0-3-12,0-4-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.90 BC 0.38 WB 0.81 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.03 6 >999 360 Vert(TL) -0.04 6-7 >999 240 Horz(TL) -0.02 4 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 12.0					
				Weight: 158 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-10-0 oc purlins, except end verticals.
BOT CHORD 2x6 SPF No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 2x4 SPF No.3 *Except*	WEBS 1 Row at midpt 2-5
W1: 2x6 SPF No.2	1 Row at midpt 1-7, 3-4

REACTIONS. (lb/size) 7=1367/Mechanical, 4=1367/Mechanical
 Max Horz 7=2519(LC 6)
 Max Uplift 7=-1192(LC 7), 4=-3020(LC 6)
 Max Grav 7=2109(LC 6), 4=2740(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-7=-1470/1105, 1-8=-542/403, 2-8=-542/403, 2-9=-352/434, 3-9=-352/434, 3-4=-2557/2935
 BOT CHORD 6-7=-1694/2369, 5-6=-265/876, 2-5=-240/311
 WEBS 5-7=-4845/3523, 1-5=-1296/1757, 3-5=-2682/2320

JOINT STRESS INDEX
 1 = 0.46, 2 = 0.33, 3 = 0.79, 4 = 0.57, 5 = 0.95, 6 = 0.98 and 7 = 0.64

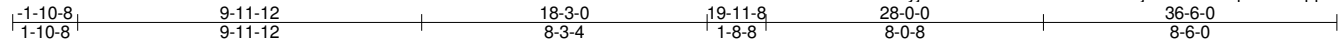
- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-8-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - 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
 - TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0
 - Provide adequate drainage to prevent water ponding.
 - 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.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1192 lb uplift at joint 7 and 3020 lb uplift at joint 4.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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, 6-7=-519(F=-495), 4-5=-519(F=-495)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	GE16	GABLE	1	1	

Universal Forest Products
 Job Reference (optional)
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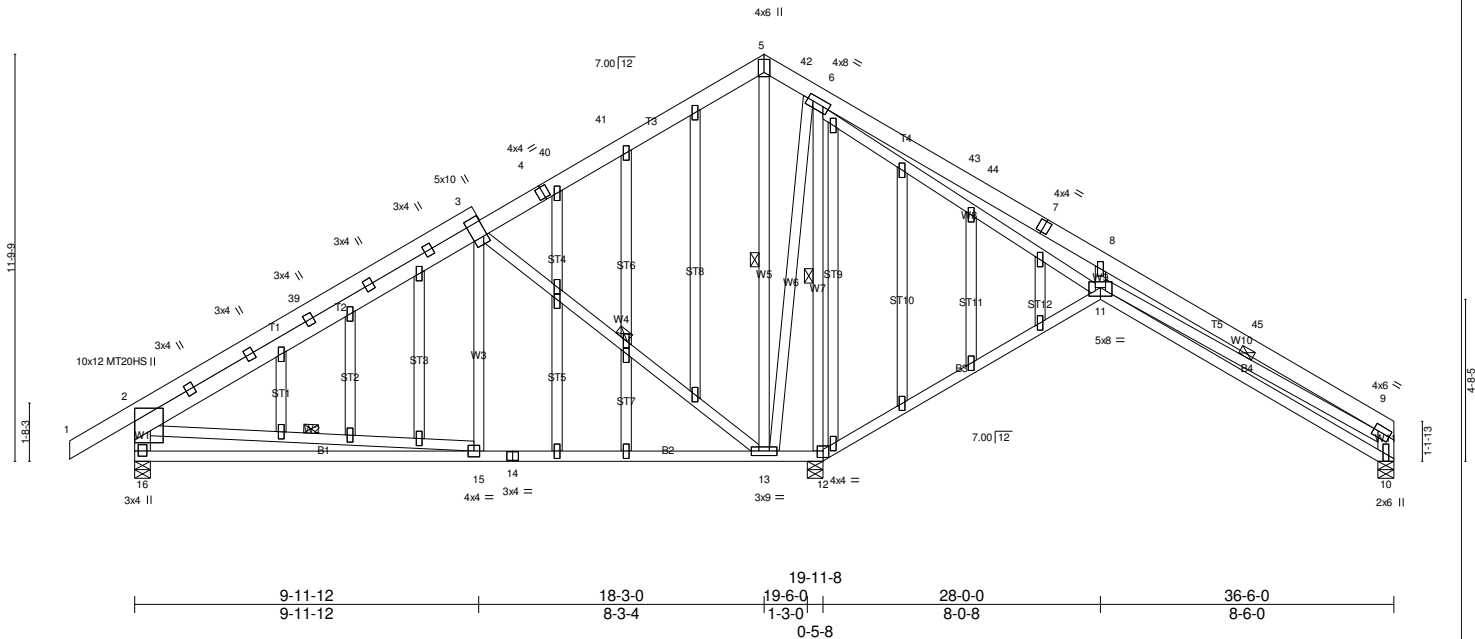


Plate Offsets (X,Y)-- [2:0-7-12,0-4-8], [3:0-7-8,0-1-4], [5:0-4-8,0-2-0], [9:0-1-8,0-2-0], [11:0-4-0,0-3-0], [12:0-2-0,0-2-4], [16:0-1-12,0-1-8], [19:0-1-15,0-1-0], [22:0-1-15,0-1-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	1-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.41 BC 0.30 WB 0.72 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.07 15-16 >999 360 Vert(TL) -0.17 15-16 >999 240 Horz(TL) 0.08 10 n/a n/a	MT20 MT20HS	197/144 148/108
				Weight: 302 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3 *Except* W11,W1: 2x6 SPF No.2 OTHERS 2x4 SPF No.3	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 3-13, 5-13, 6-12, 9-11, 2-15

REACTIONS. (lb/size) 10=211/0-5-8, 12=1486/0-5-8, 16=456/0-5-8
 Max Horz 16=187(LC 8)
 Max Uplift 10=98(LC 9), 12=431(LC 9), 16=214(LC 9)
 Max Grav 10=363(LC 20), 12=1486(LC 1), 16=597(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-39=-542/140, 3-39=-336/160, 3-4=-57/331, 4-40=-66/334, 40-41=-60/356, 5-41=0/388, 5-42=-2/271, 6-42=-49/266, 9-10=-382/176, 2-16=-547/239
 BOT CHORD 11-12=-482/255, 10-11=-124/455, 15-16=-134/307, 14-15=-142/378, 13-14=-142/378, 12-13=-386/207
 WEBS 3-13=-552/252, 5-13=-407/20, 6-13=-128/769, 6-12=-1177/322, 6-11=-170/563, 8-11=-421/286, 9-11=-300/187

JOINT STRESS INDEX
 2 = 0.39, 3 = 0.40, 3 = 0.64, 3 = 0.64, 3 = 0.64, 3 = 0.64, 3 = 0.64, 4 = 0.34, 5 = 0.80, 6 = 0.65, 7 = 0.55, 8 = 0.31, 9 = 0.82, 10 = 0.81, 11 = 0.93, 12 = 0.82, 13 = 0.85, 14 = 0.51, 15 = 0.39, 16 = 0.91, 17 = 0.31, 18 = 0.31, 19 = 0.41, 19 = 0.31, 20 = 0.31, 21 = 0.31, 22 = 0.41, 22 = 0.31, 23 = 0.31, 24 = 0.31, 25 = 0.31, 26 = 0.00, 26 = 0.31, 27 = 0.31, 28 = 0.00, 28 = 0.31, 29 = 0.31, 30 = 0.00, 30 = 0.31, 31 = 0.31, 32 = 0.31, 33 = 0.31, 34 = 0.31, 35 = 0.31, 36 = 0.31, 37 = 0.31 and 38 = 0.31

- 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) 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) 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.
 - 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 10, 431 lb uplift at joint 12 and 214 lb uplift at joint 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
CORE	GE16A	GABLE	1	1	

Job Reference (optional)

Universal Forest Products

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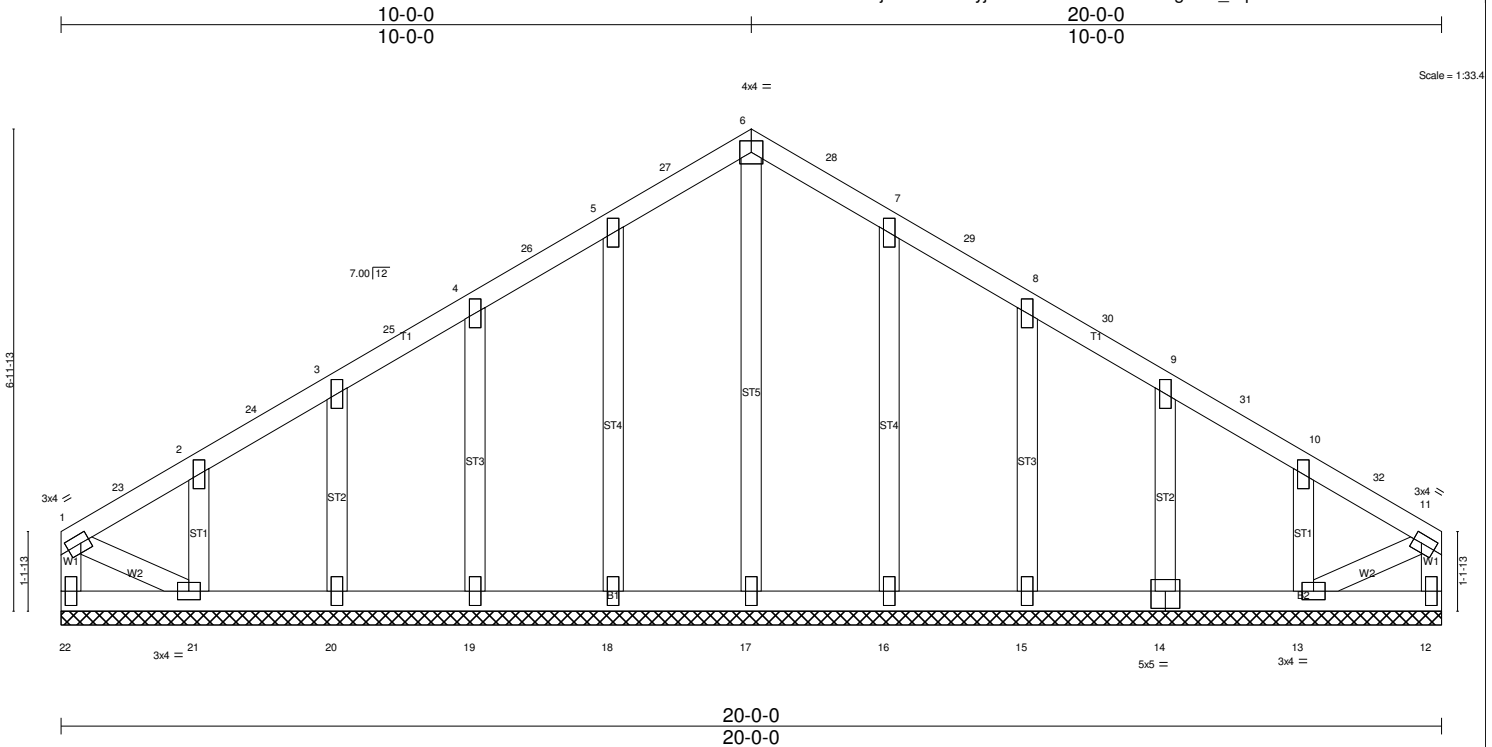


Plate Offsets (X,Y)-- [1:0-1-8,0-1-8], [11:0-1-8,0-1-8], [14:0-2-8,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.20 BC 0.04 WB 0.24 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 12 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 94 lb	FT = 4%

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 20-0-0.
 (lb) - Max Horz 22=212(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 22, 12, 18, 16 except 19=118(LC 9), 20=111(LC 9), 21=175(LC 9), 15=118(LC 9), 14=111(LC 9), 13=175(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 22=324(LC 13), 12=324(LC 24), 17=300(LC 29), 18=349(LC 28), 19=353(LC 27), 20=357(LC 26), 21=362(LC 30), 15=353(LC 31), 14=357(LC 32), 13=362(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-22=306/98, 11-12=306/43
 WEBS 6-17=260/20, 5-18=309/118, 4-19=313/138, 3-20=317/131, 2-21=319/133, 7-16=309/118, 8-15=313/138, 9-14=317/131, 10-13=319/133

JOINT STRESS INDEX
 1 = 0.69, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.31, 6 = 0.53, 7 = 0.31, 8 = 0.31, 9 = 0.31, 10 = 0.31, 11 = 0.69, 12 = 0.31, 13 = 0.54, 14 = 0.22, 15 = 0.31, 16 = 0.31, 17 = 0.31, 18 = 0.31, 19 = 0.31, 20 = 0.31, 21 = 0.54 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, 12, 18, 16 except (jt=lb) 19=118, 20=111, 21=175, 15=118, 14=111, 13=175.
 - 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
CORE	GE17	GABLE	1	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 M/Tek Industries, Inc. Mon Feb 08 10:03:35 2016 Page 1
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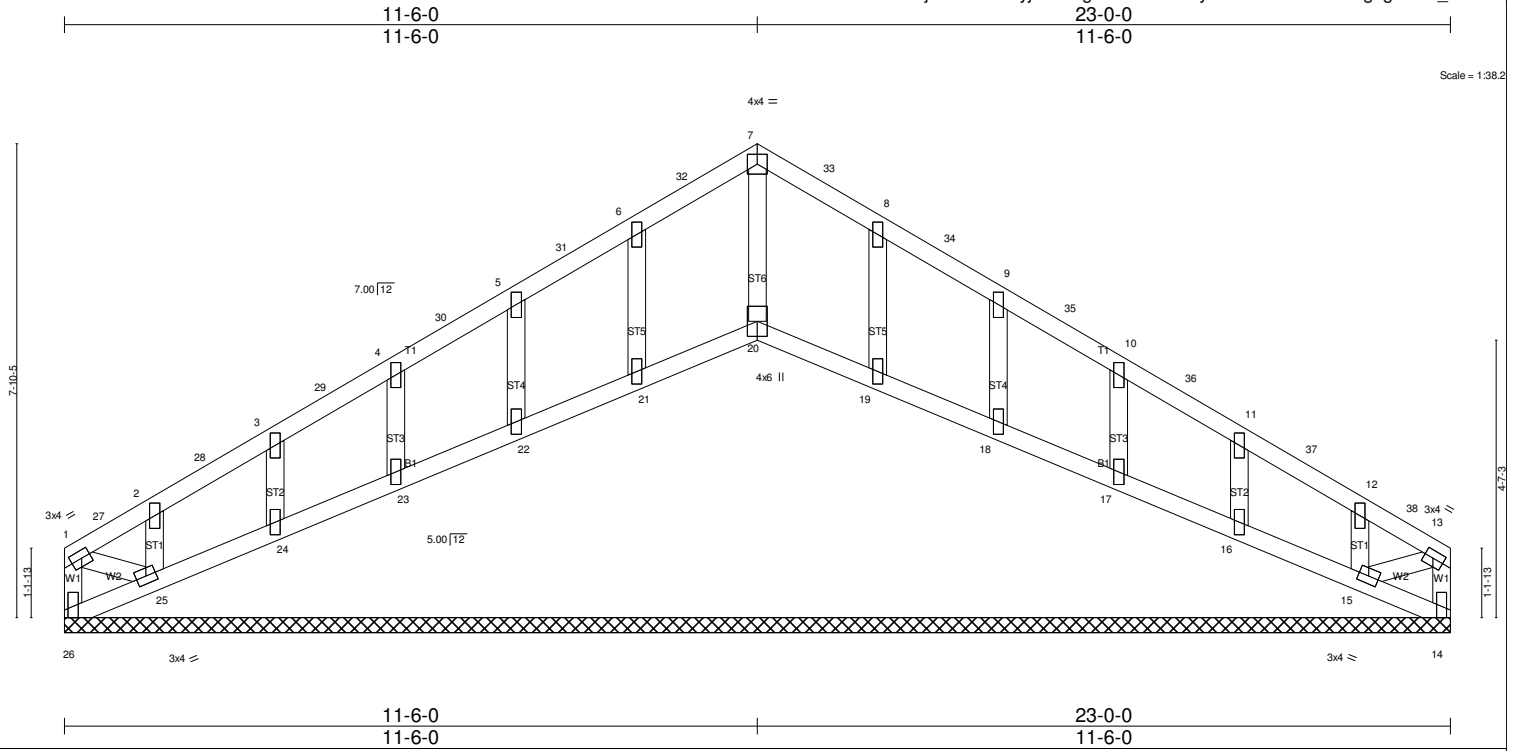


Plate Offsets (X,Y)-- [1:0-1-12,0-1-8], [13:0-1-12,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.20 BC 0.05 WB 0.08 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.01 14 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 87 lb	FT = 4%

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 23-0-0.
 (lb) - Max Horz 26=244(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 20, 14 except 26=209(LC 7), 21=102(LC 9), 22=116(LC 9), 23=111(LC 9), 24=116(LC 9), 25=188(LC 9), 19=102(LC 9), 18=116(LC 9), 17=111(LC 9), 16=116(LC 9), 15=188(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 26=312(LC 13), 20=352(LC 32), 14=312(LC 26), 21=359(LC 31), 22=360(LC 30), 23=361(LC 29), 24=364(LC 28), 25=355(LC 27), 19=359(LC 33), 18=360(LC 34), 17=361(LC 35), 16=364(LC 36), 15=355(LC 37)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 6-32=97/276, 7-32=66/281, 7-33=51/281, 8-33=97/276, 1-26=302/118, 13-14=302/37
 BOT CHORD 25-26=251/241
 WEBS 7-20=298/41, 6-21=319/123, 5-22=320/136, 4-23=321/131, 3-24=323/136, 2-25=316/116, 8-19=319/123, 9-18=320/136, 10-17=321/131, 11-16=323/136, 12-15=316/116

JOINT STRESS INDEX
 1 = 0.60, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.31, 6 = 0.31, 7 = 0.55, 8 = 0.31, 9 = 0.31, 10 = 0.31, 11 = 0.31, 12 = 0.31, 13 = 0.60, 14 = 0.35, 15 = 0.64, 16 = 0.31, 17 = 0.31, 18 = 0.31, 19 = 0.31, 20 = 0.32, 21 = 0.31, 22 = 0.31, 23 = 0.31, 24 = 0.31, 25 = 0.64 and 26 = 0.35

- 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) 20, 14 except (if=lb) 26=209, 21=102, 22=116, 23=111, 24=116, 25=188, 19=102, 18=116, 17=111, 16=116, 15=188.
 - 12) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 20, 21, 22, 23, 24, 25, 19, 18, 17, 16, 15.
 - 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
CORE	GE17A	GABLE	1	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:36 2016 Page 1
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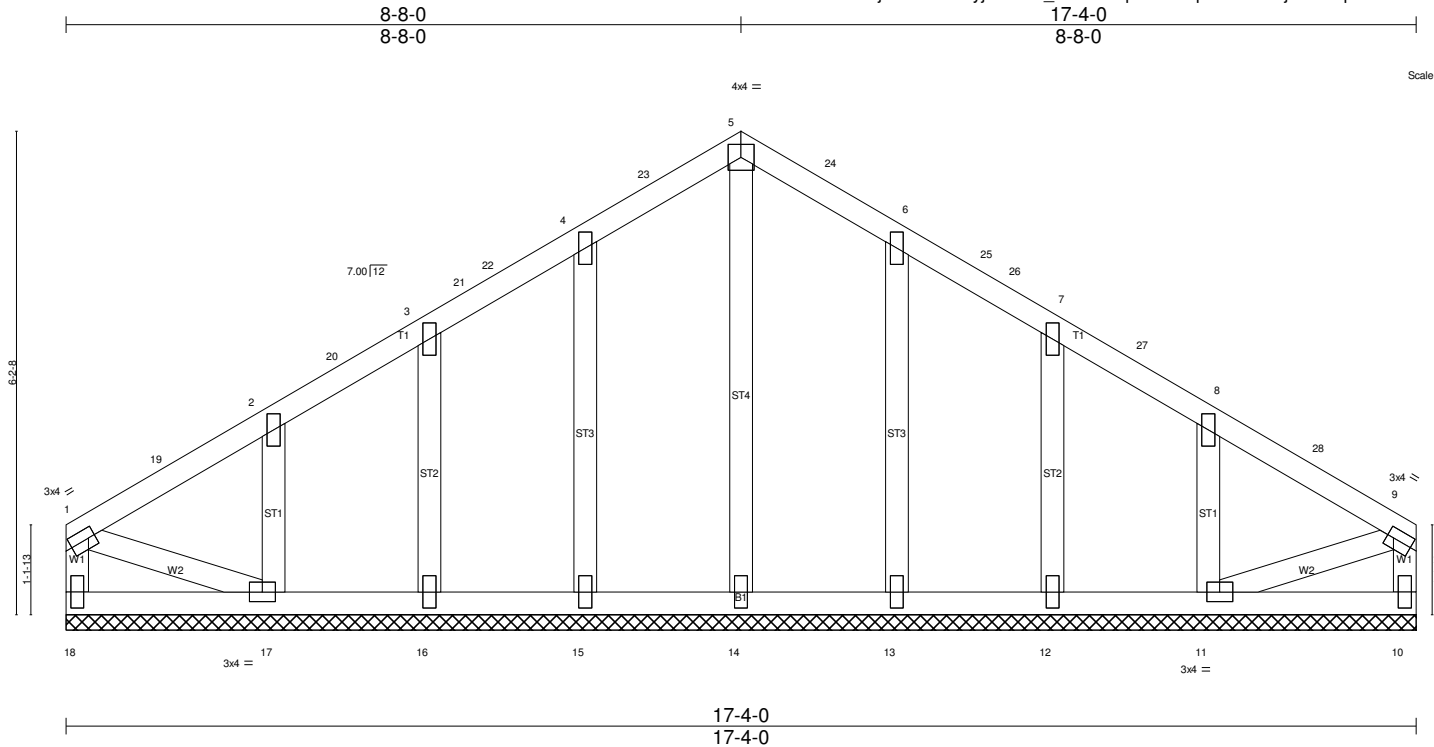


Plate Offsets (X,Y)-- [1:0-1-0,0-1-8], [9:0-1-0,0-1-8]

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 NO Code IBC2009/TPI2007	CSI. TC 0.29 BC 0.06 WB 0.19 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) -0.00 10 n/a n/a	PLATES GRIP MT20 197/144 Weight: 79 lb FT = 4%
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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, Except: 6-0-0 oc bracing: 17-18,10-11.

REACTIONS. All bearings 17-4-0.
(lb) - Max Horz 18=190(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 18, 10 except 15=-102(LC 9), 16=-111(LC 9), 17=-177(LC 9), 13=-102(LC 9), 12=-111(LC 9), 11=-177(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 18=336(LC 13), 10=336(LC 22), 14=298(LC 26), 15=353(LC 25), 16=352(LC 24), 17=378(LC 23), 13=353(LC 27), 12=352(LC 28), 11=378(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-311/58, 9-10=-311/20
WEBS 5-14=-259/14, 4-15=-312/123, 3-16=-315/129, 2-17=-326/157, 6-13=-312/123, 7-12=-315/129, 8-11=-326/157

JOINT STRESS INDEX
1 = 0.77, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.54, 6 = 0.31, 7 = 0.31, 8 = 0.31, 9 = 0.77, 10 = 0.31, 11 = 0.54, 12 = 0.31, 13 = 0.31, 14 = 0.31, 15 = 0.31, 16 = 0.31, 17 = 0.54 and 18 = 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) 18, 10 except (jt=lb) 15=102, 16=111, 17=177, 13=102, 12=111, 11=177.
 - 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
CORE	GE21F	GABLE	1	1	

Job Reference (optional)

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:37 2016 Page 1
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 21-3-8
 10-7-12

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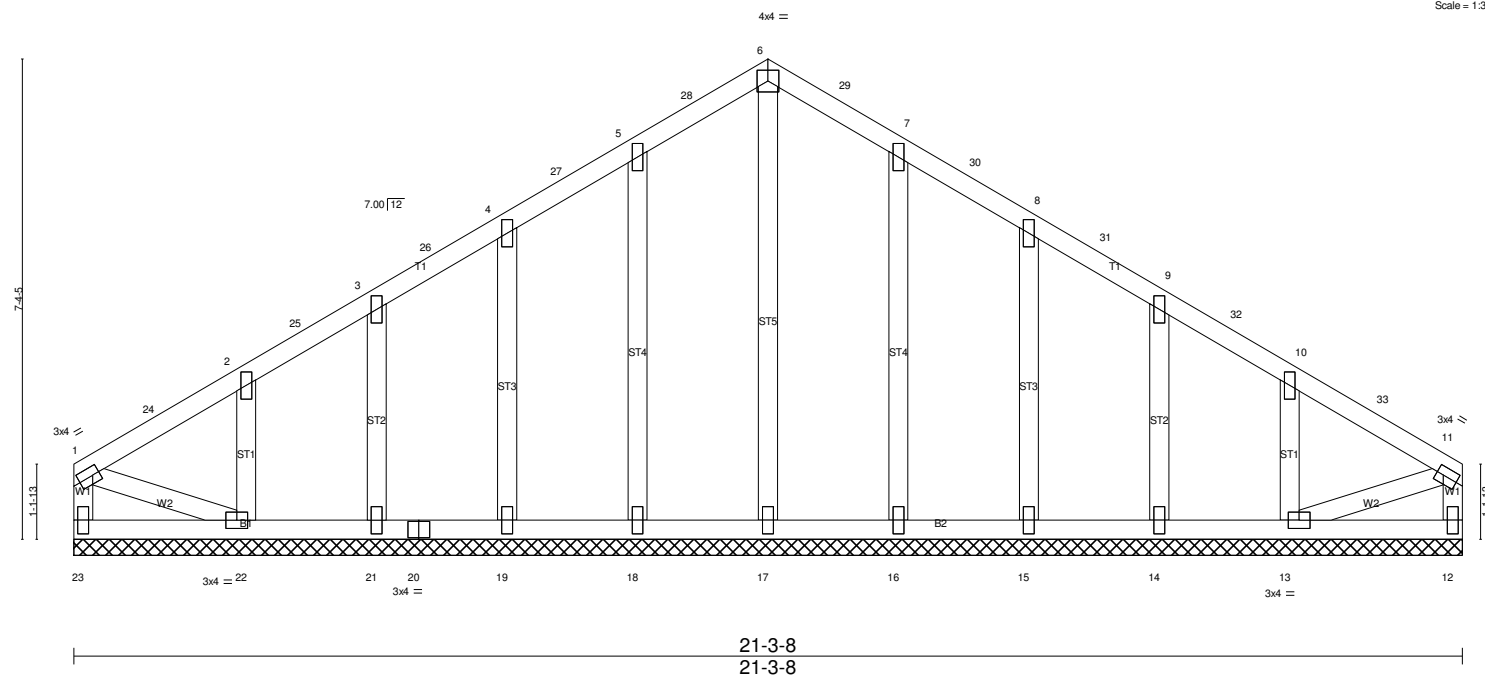


Plate Offsets (X,Y)-- [1:0-1-4,0-1-8], [1:1:0-1-4,0-1-8]

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 0.26 BC 0.05 WB 0.26 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 13 n/a n/a	PLATES GRIP MT20 197/144 Weight: 103 lb FT = 4%
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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, Except: 6-0-0 oc bracing: 22-23,12-13.

REACTIONS. All bearings 21-3-8.
 (lb) - Max Horz 23=224(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 23, 12, 18, 16 except 19=119(LC 9), 21=105(LC 9), 22=187(LC 9), 15=119(LC 9), 14=105(LC 9), 13=187(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 23=337(LC 13), 12=337(LC 24), 17=298(LC 29), 18=348(LC 28), 19=353(LC 27), 21=352(LC 26), 22=378(LC 30), 16=348(LC 30), 15=353(LC 31), 14=352(LC 32), 13=378(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-23=312/81, 11-12=312/31
 WEBS 6-17=258/20, 5-18=308/116, 4-19=312/140, 3-21=315/124, 2-22=326/158, 7-16=308/116, 8-15=312/140, 9-14=315/124, 10-13=326/158

JOINT STRESS INDEX
 1 = 0.81, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.31, 6 = 0.53, 7 = 0.31, 8 = 0.31, 9 = 0.31, 10 = 0.31, 11 = 0.81, 12 = 0.31, 13 = 0.54, 14 = 0.31, 15 = 0.31, 16 = 0.31, 17 = 0.31, 18 = 0.31, 19 = 0.31, 20 = 0.26, 21 = 0.31, 22 = 0.54 and 23 = 0.31

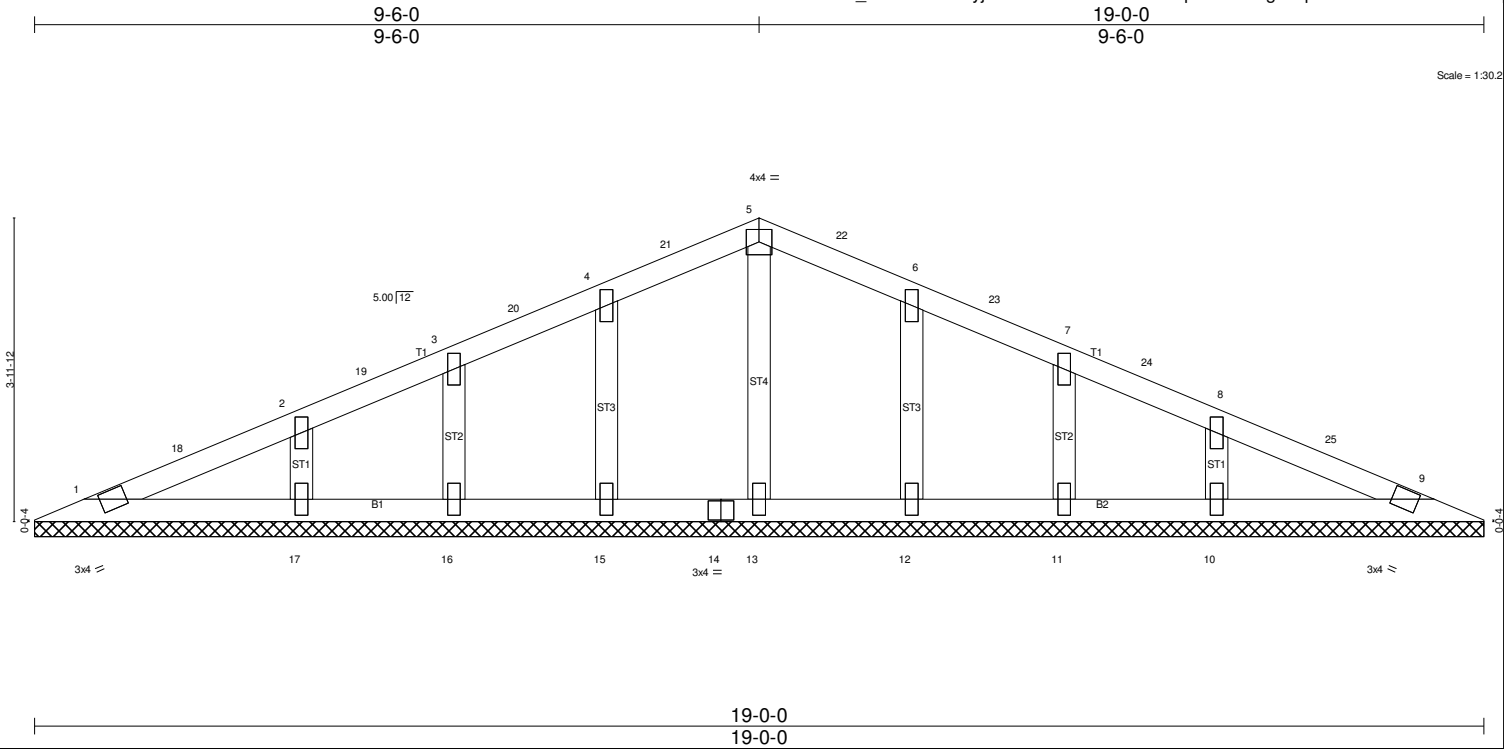
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=2ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads 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) 23, 12, 18, 16 except (jt=lb) 19=119, 21=105, 22=187, 15=119, 14=105, 13=187.
 - 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
CORE	GE22A	GABLE	2	1	

Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:38 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 (Roof Snow=40.0)	Plate Grip DOL 1.15		TC 0.33	Vert(LL) n/a	-	n/a	999	MT20	197/144
TCDL 7.0	Lumber DOL 1.15		BC 0.14	Vert(TL) n/a	-	n/a	999		
BCLL 0.0	Rep Stress Incr NO		WB 0.10	Horz(TL) 0.00	9	n/a	n/a		
BCDL 10.0	Code IBC2009/TPI2007		(Matrix)					Weight: 59 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
OTHERS 2x4 SPF No.3	

REACTIONS. All bearings 19-0-0.
 (lb) - Max Horz 1=70(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 15, 16, 12, 11 except 17=137(LC 9), 10=137(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 1=340(LC 21), 9=340(LC 29), 13=332(LC 25), 15=360(LC 24), 16=350(LC 23), 17=397(LC 22), 12=360(LC 26), 11=350(LC 27), 10=397(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 5-13=-293/5, 4-15=-319/113, 3-16=-316/104, 2-17=-339/149, 6-12=-319/113, 7-11=-316/104, 8-10=-339/149

JOINT STRESS INDEX
 1 = 0.50, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.58, 6 = 0.31, 7 = 0.31, 8 = 0.31, 9 = 0.50, 10 = 0.31, 11 = 0.31, 12 = 0.31, 13 = 0.31, 14 = 0.26, 15 = 0.31, 16 = 0.31 and 17 = 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) Gable studs spaced at 2-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 15, 16, 12, 11 except (jt=lb) 17=137, 10=137.
 - 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.

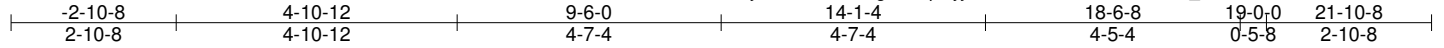
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	GE22B	GABLE	2	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 M/Tek Industries, Inc. Mon Feb 08 10:03:39 2016 Page 1
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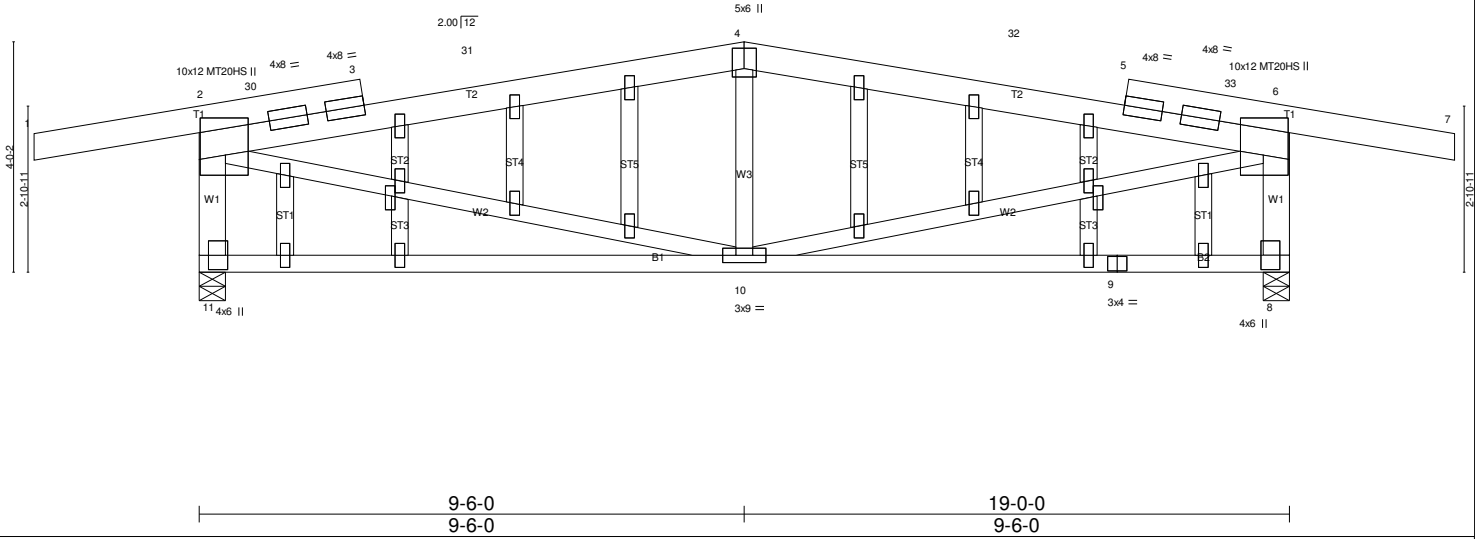


Plate Offsets (X,Y)-- [2:0-7-12,0-4-12], [4:0-4-4,0-2-8], [6:0-7-12,0-4-12], [8:0-3-0,0-0-8], [11:0-3-0,0-2-0], [16:0-2-8,0-1-0], [27:0-2-8,0-1-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.86 BC 0.53 WB 0.69 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.10 8-10 >999 360 Vert(TL) -0.26 8-10 >841 240 Horz(TL) 0.01 8 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 125 lb	FT = 4%

LUMBER-	BRACING-
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	TOP CHORD Structural wood sheathing directly applied or 5-6-11 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 11=1349/0-5-8, 8=1349/0-5-8
 Max Horz 11=-109(LC 7)
 Max Uplift 11=-573(LC 5), 8=-573(LC 6)
 Max Grav 11=1367(LC 2), 8=1367(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-30=-1464/454, 3-30=-1458/455, 3-31=-1436/470, 4-31=-1433/476, 4-32=-1433/476, 5-32=-1436/470, 5-33=-1458/455, 6-33=-1464/454,
 2-11=-1268/615, 6-8=-1268/615
 BOT CHORD 10-11=-171/456, 9-10=-84/456, 8-9=-84/456
 WEBS 4-10=-360/266, 2-10=-380/1093, 6-10=-384/1093

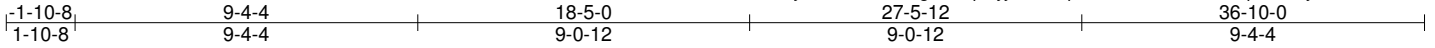
JOINT STRESS INDEX
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- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=6ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed; end vertical left and right exposed; 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 20.0 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) except (jt=lb) 11=573, 8=573.
 - 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
CORE	GE23	GABLE	1	1	

Universal Forest Products
 Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:41 2016 Page 1
 ID:IEJNidXWN2EOiNgQCWpuijyDeK-Pqn9JfCwfhVIHtY1bP9dpJu0AkyLhFsZ7rIF0eznDQG



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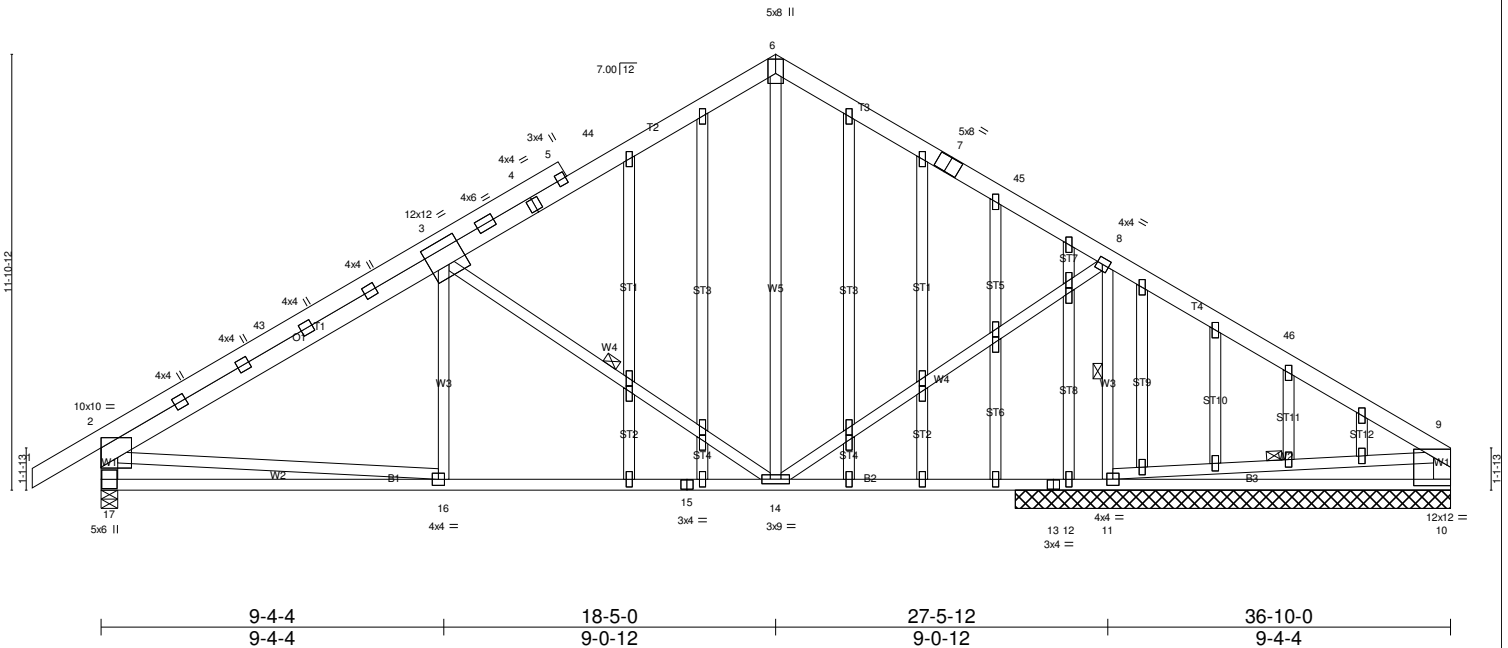


Plate Offsets (X,Y)--	[2:0-4-8,0-6-8], [3:0-6-0,0-3-12], [6:0-4-12,0-2-8], [8:0-1-12,0-2-0], [10:Edge,0-9-4], [18:0-1-12,0-1-0], [21:0-1-12,0-1-0], [26:0-1-12,0-1-0], [29:0-1-12,0-1-0], [32:0-1-12,0-1-0], [34:0-1-12,0-1-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.77 BC 0.63 WB 0.69 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.11 10-11 >999 360 Vert(TL) -0.28 14-16 >999 240 Horz(TL) 0.05 10 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 294 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-7-6 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 9-2-14 oc bracing.
WEBS 2x4 SPF No.3 *Except* W1: 2x6 SPF No.2	WEBS 1 Row at midpt 8-11, 3-14, 9-11
OTHERS 2x4 SPF No.3 *Except* O1: 2x6 SPF No.2	

REACTIONS. All bearings 11-10-8 except (it=length) 17=0-5-8.
 (lb) - Max Horz 17=373(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) except 17=685(LC 9), 11=660(LC 9), 10=197(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) 12 except 17=1768(LC 2), 11=1921(LC 1), 10=647(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-43=2158/669, 3-43=1772/690, 3-4=1286/559, 4-5=1068/534, 5-44=1060/562, 6-44=1056/581,
 6-7=1060/582, 7-45=1071/562, 8-45=1277/547, 8-46=268/167, 9-46=598/147, 2-17=1671/729,
 9-10=556/247
 BOT CHORD 16-17=208/516, 15-16=399/1713, 14-15=399/1713, 13-14=0/353, 12-13=0/353, 11-12=0/353,
 10-11=296/708
 WEBS 6-14=146/349, 8-14=72/999, 8-11=1736/691, 3-14=1037/474, 3-16=0/317, 2-16=278/1277,
 9-11=470/341

JOINT STRESS INDEX
 2 = 0.83, 3 = 0.16, 3 = 0.98, 3 = 0.98, 3 = 0.98, 3 = 0.98, 4 = 0.27, 4 = 0.78, 5 = 0.00, 5 = 0.93, 6 = 1.00, 7 = 0.96, 8 = 0.72, 9 = 0.00, 10 = 0.41, 11 = 0.66, 12 = 0.31, 13 = 0.81, 14 = 0.92, 15 = 0.84, 16 = 0.75, 17 = 0.93, 18 = 0.48, 18 = 0.31, 19 = 0.31, 20 = 0.31, 21 = 0.48, 21 = 0.31, 22 = 0.31, 23 = 0.31, 24 = 0.31, 25 = 0.31, 26 = 0.48, 26 = 0.31, 27 = 0.31, 28 = 0.31, 29 = 0.48, 29 = 0.31, 30 = 0.31, 31 = 0.31, 32 = 0.48, 32 = 0.31, 33 = 0.31, 34 = 0.48, 34 = 0.31, 35 = 0.31, 36 = 0.31, 37 = 0.31, 38 = 0.31, 39 = 0.31, 40 = 0.31, 41 = 0.31 and 42 = 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) 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 685 lb uplift at joint 17, 660 lb uplift at joint 11 and 197 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) 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
CORE	GE23A	GABLE	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:42 2016 Page 1
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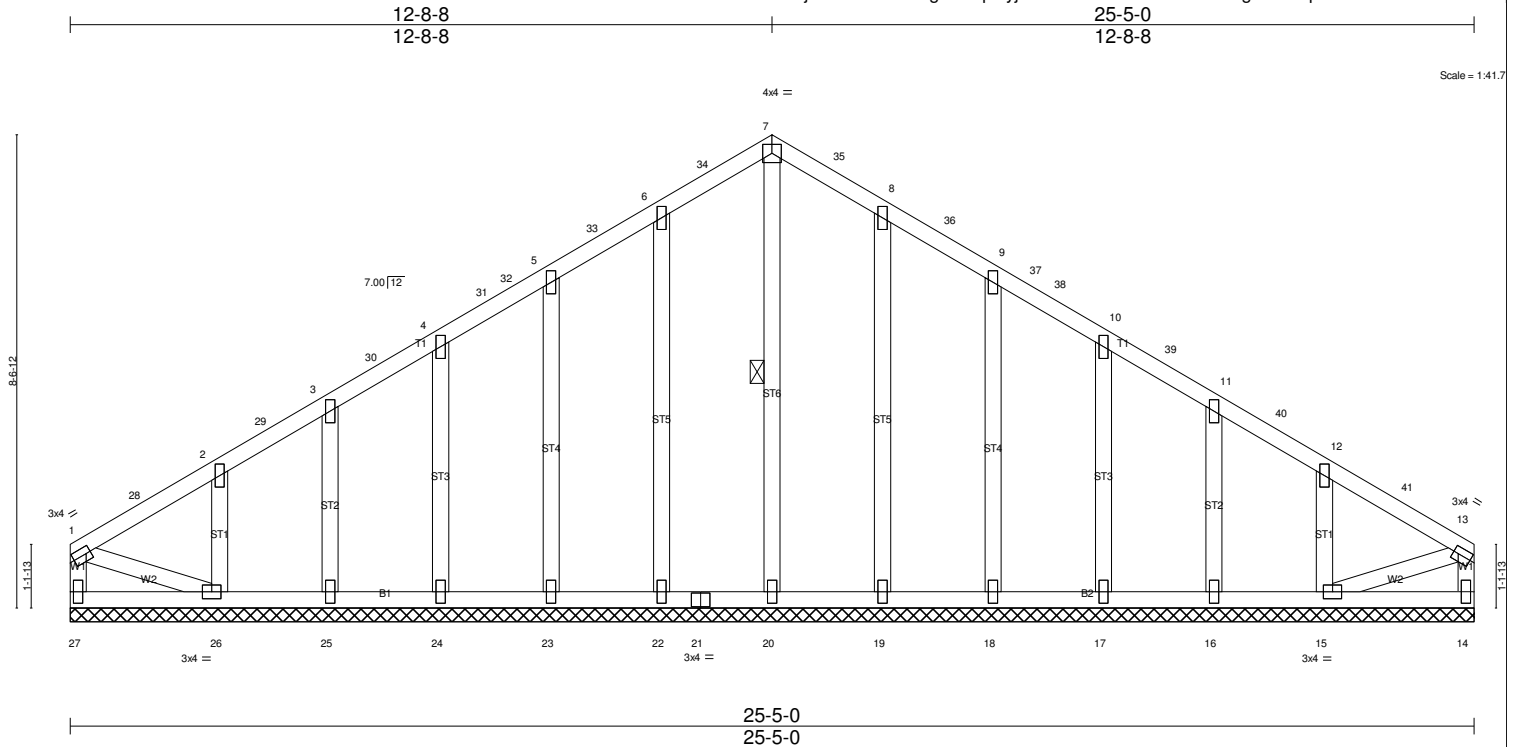


Plate Offsets (X,Y)-- [1:0-1-0-0-1-8], [13:0-1-0-0-1-8]

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 0.26 BC 0.05 WB 0.32 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.01 15 n/a n/a	PLATES MT20 GRIP 197/144 Weight: 131 lb FT = 4%
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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, Except: 6-0-0 oc bracing: 26-27,14-15. WEBS 1 Row at midpt 7-20
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REACTIONS. All bearings 25-5-0.
 (lb) - Max Horz 27=259(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 27, 14, 20, 22, 19 except 23=120(LC 9), 24=112(LC 9), 25=106(LC 9), 26=198(LC 9), 18=120(LC 9), 17=112(LC 9), 16=106(LC 9), 15=198(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 27=338(LC 13), 14=338(LC 26), 20=296(LC 32), 22=345(LC 31), 23=348(LC 30), 24=353(LC 29), 25=352(LC 28), 26=380(LC 27), 19=345(LC 33), 18=348(LC 34), 17=353(LC 35), 16=352(LC 36), 15=380(LC 37)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 6-34=117/274, 7-34=53/279, 7-35=50/279, 8-35=117/274, 1-27=313/101, 13-14=313/41
 WEBS 7-20=256/26, 6-22=305/112, 5-23=309/140, 4-24=312/133, 3-25=314/125, 2-26=326/160, 8-19=305/112, 9-18=309/140, 10-17=312/133, 11-16=314/125, 12-15=326/160

JOINT STRESS INDEX
 1 = 0.77, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.31, 6 = 0.31, 7 = 0.53, 8 = 0.31, 9 = 0.31, 10 = 0.31, 11 = 0.31, 12 = 0.31, 13 = 0.77, 14 = 0.31, 15 = 0.54, 16 = 0.31, 17 = 0.31, 18 = 0.31, 19 = 0.31, 20 = 0.31, 21 = 0.26, 22 = 0.31, 23 = 0.31, 24 = 0.31, 25 = 0.31, 26 = 0.54 and 27 = 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) 27, 14, 20, 22, 19 except (jt=lb) 23=120, 24=112, 25=106, 26=198, 18=120, 17=112, 16=106, 15=198.
 - 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
CORE	GE24	GABLE	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 Mitek Industries, Inc. Mon Feb 08 10:03:44 2016 Page 1
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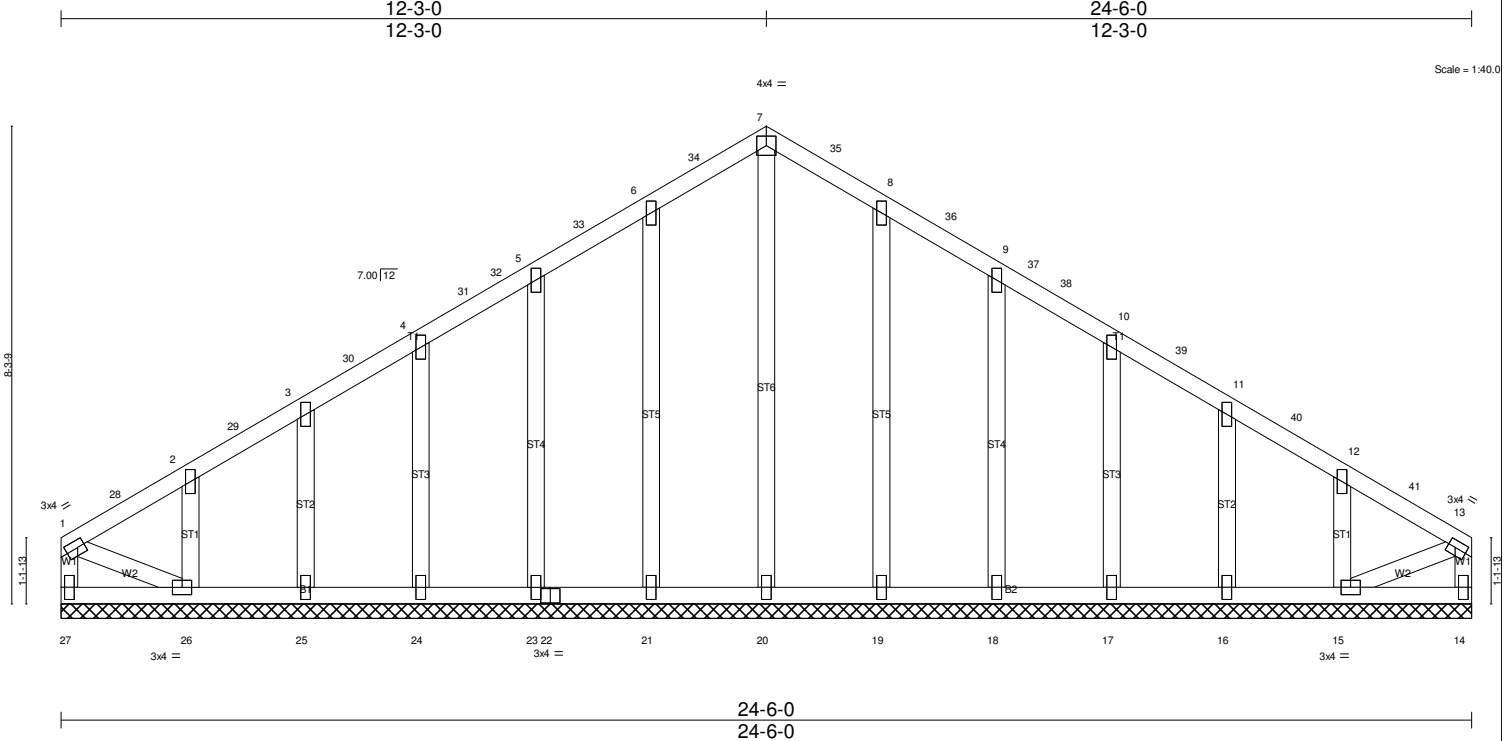


Plate Offsets (X,Y)-- [1:0-1-8,0-1-8], [13:0-1-8,0-1-8]

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 NO Code IBC2009/TPI2007	CSI. TC 0.24 BC 0.05 WB 0.34 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.01 14 n/a n/a	PLATES GRIP MT20 197/144 Weight: 124 lb FT = 4%
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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, Except: 6-0-0 oc bracing: 26-27,14-15.

REACTIONS. All bearings 24-6-0.
 (lb) - Max Horz 27=251(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 14, 20, 21, 19 except 27=110(LC 7), 23=119(LC 9), 24=111(LC 9), 25=110(LC 9), 26=189(LC 9), 18=119(LC 9), 17=111(LC 9), 16=110(LC 9), 15=189(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 27=330(LC 13), 14=330(LC 26), 20=297(LC 32), 21=346(LC 31), 23=349(LC 30), 24=353(LC 29), 25=355(LC 28), 26=368(LC 27), 19=346(LC 33), 18=349(LC 34), 17=353(LC 35), 16=355(LC 36), 15=368(LC 37)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-27=309/114, 6-34=117/264, 7-34=52/269, 7-35=50/269, 8-35=117/264, 13-14=309/49
 WEBS 7-20=257/26, 6-21=306/113, 5-23=309/139, 4-24=313/131, 3-25=316/130, 2-26=321/142, 8-19=306/113, 9-18=309/139, 10-17=313/131, 11-16=316/130, 12-15=321/142

JOINT STRESS INDEX
 1 = 0.80, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.31, 6 = 0.31, 7 = 0.53, 8 = 0.31, 9 = 0.31, 10 = 0.31, 11 = 0.31, 12 = 0.31, 13 = 0.80, 14 = 0.31, 15 = 0.54, 16 = 0.31, 17 = 0.31, 18 = 0.31, 19 = 0.31, 20 = 0.31, 21 = 0.31, 22 = 0.26, 23 = 0.31, 24 = 0.31, 25 = 0.31, 26 = 0.54 and 27 = 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) 14, 20, 21, 19 except (jt=lb) 27=110, 23=119, 24=111, 25=110, 26=189, 18=119, 17=111, 16=110, 15=189.
 - 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.

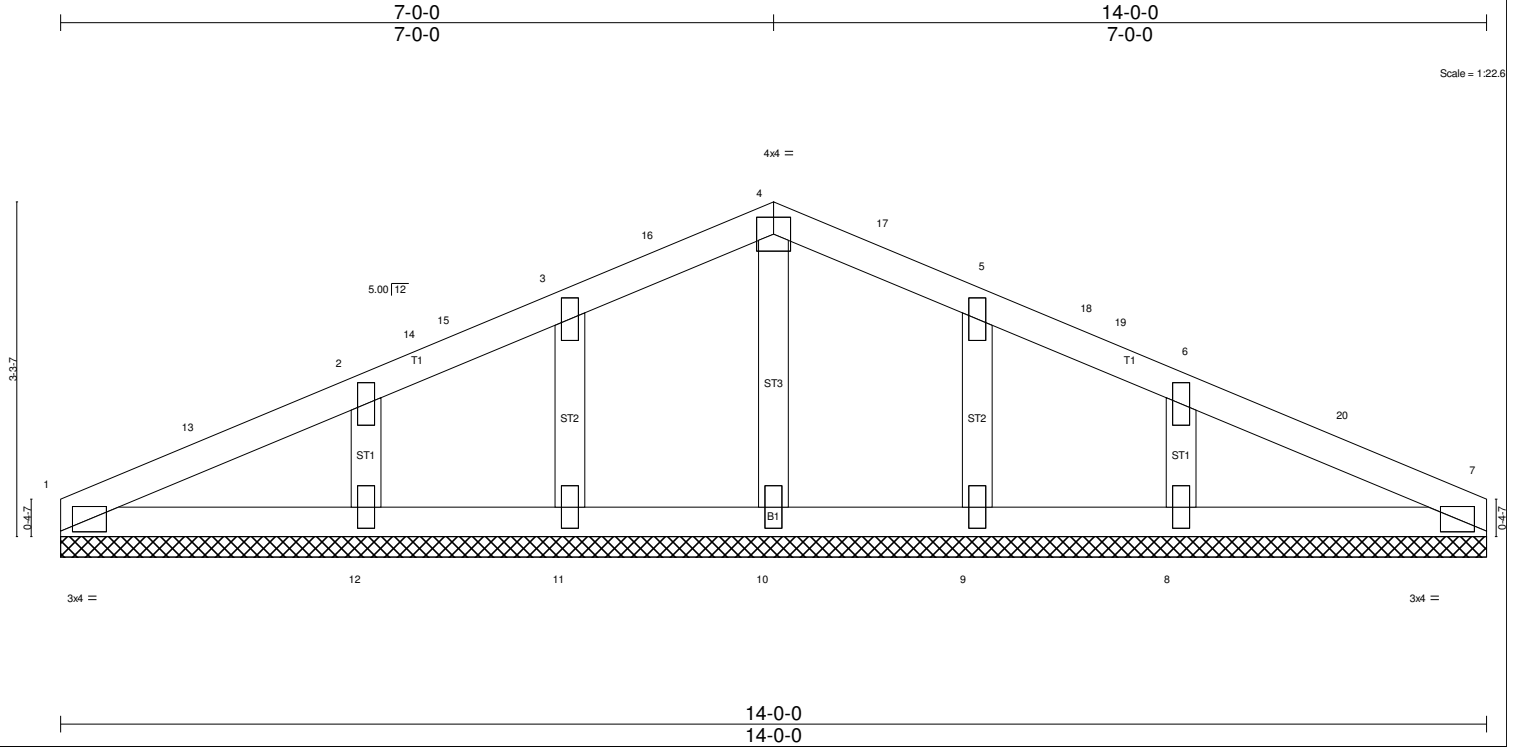
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	GE24B	GABLE	1	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:45 2016 Page 1
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.31 BC 0.14 WB 0.08 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 7 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 43 lb	FT = 4%

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

REACTIONS. All bearings 14-0-0.
 (lb) - Max Horz 1=-56(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 10, 11, 9 except 12=-147(LC 9), 8=-147(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 1=343(LC 19), 7=343(LC 25), 10=342(LC 22), 11=346(LC 21), 12=403(LC 20), 9=346(LC 23), 8=403(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 4-10=-298/24, 3-11=-314/95, 2-12=-341/159, 5-9=-314/95, 6-8=-341/159

JOINT STRESS INDEX
 1 = 0.64, 2 = 0.12, 3 = 0.11, 4 = 0.60, 5 = 0.11, 6 = 0.12, 7 = 0.64, 8 = 0.11, 9 = 0.10, 10 = 0.10, 11 = 0.10 and 12 = 0.11

- 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) Gable studs spaced at 2-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 10, 11, 9 except (jt=lb) 12=147, 8=147.
 - 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
CORE	GE25	SCISSOR SUPPORTED GA	1	1	

Universal Forest Products 7.640 s Nov 10 2015 M/Tek Industries, Inc. Mon Feb 08 10:03:48 2016 Page 1
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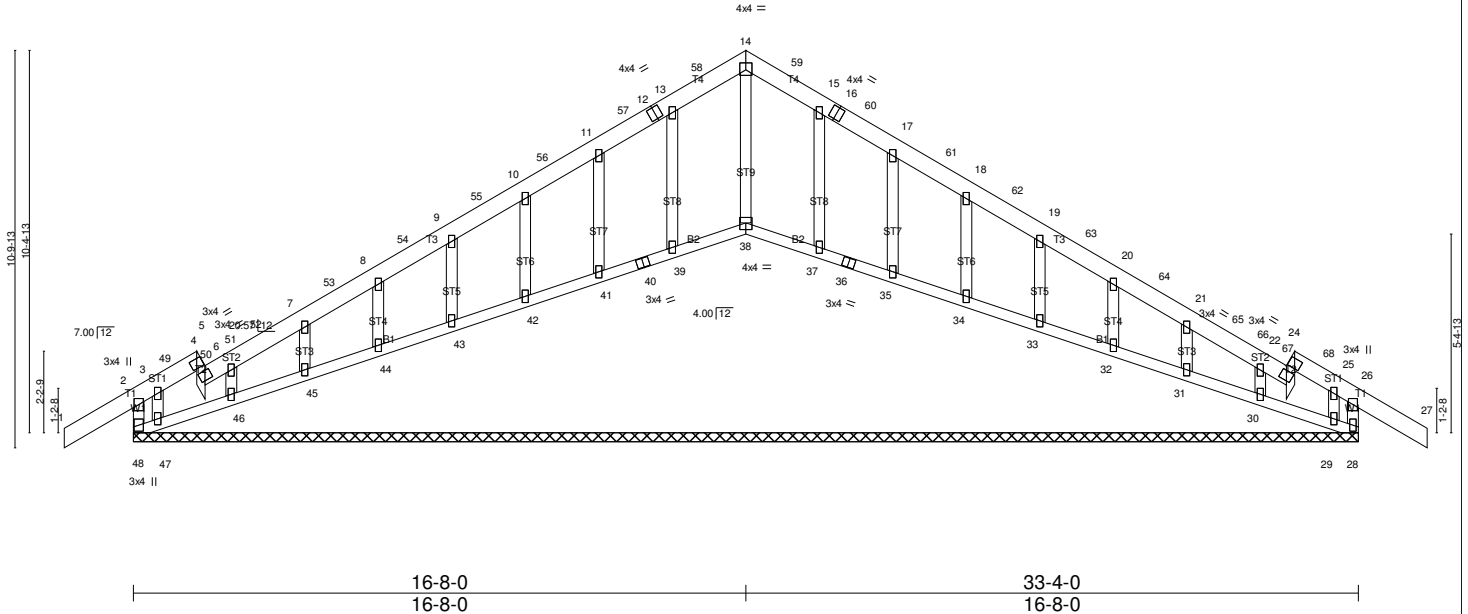
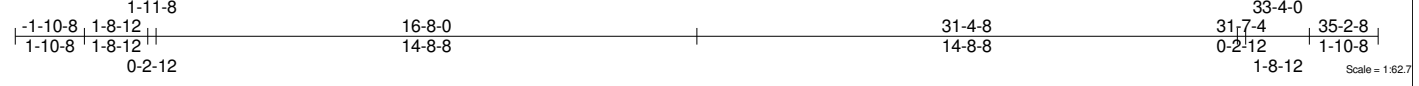


Plate Offsets (X,Y)-- [4:0-0-14,0-0-8], [14:0-2-0,0-2-4], [24:0-0-14,0-0-8], [38:0-2-0,0-2-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.39 BC 0.13 WB 0.20 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.02 27 n/r 180 Vert(TL) -0.02 26-27 n/r 80 Horz(TL) 0.01 28 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 167 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3	
OTHERS 2x4 SPF No.3	

REACTIONS. All bearings 33-4-0.
 (lb) - Max Horz 48=306(LC 6)
 Max Uplift All uplift 100 lb or less at joint(s) 39, 41, 42, 43, 44, 45, 46, 37, 35, 34, 33, 32, 31, 30 except 48=530(LC 6),
 28=288(LC 7), 47=395(LC 7), 29=376(LC 12)
 Max Grav All reactions 250 lb or less at joint(s) except 48=1011(LC 17), 28=1024(LC 22), 38=488(LC 57), 39=513(LC 56), 41=497(LC 55),
 42=504(LC 54), 43=508(LC 53), 44=512(LC 52), 45=521(LC 51), 46=503(LC 50), 47=435(LC 6), 37=513(LC 58), 35=497(LC 59),
 34=504(LC 60), 33=508(LC 61), 32=512(LC 62), 31=521(LC 63), 30=503(LC 64), 29=294(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-48=986/320, 2-3=279/311, 9-55=105/265, 10-55=42/269, 10-56=121/302, 11-56=0/310,
 11-57=104/353, 12-57=0/355, 12-13=0/357, 13-58=120/390, 14-58=0/396, 14-59=0/396, 15-59=120/390,
 15-16=0/356, 16-60=0/354, 17-60=104/353, 17-61=0/294, 18-61=121/286, 25-26=266/204,
 26-28=999/268
 WEBS 14-38=458/0, 13-39=470/74, 11-41=458/113, 10-42=463/100, 9-43=468/101, 8-44=472/101,
 7-45=482/102, 6-46=462/81, 3-47=253/414, 15-37=470/70, 17-35=458/115, 18-34=463/100,
 19-33=468/101, 20-32=472/101, 21-31=482/104, 22-30=462/81, 25-29=203/414

JOINT STRESS INDEX
 2 = 0.81, 3 = 0.38, 4 = 0.73, 5 = 0.45, 6 = 0.38, 7 = 0.38, 8 = 0.38, 9 = 0.38, 10 = 0.38, 11 = 0.38, 12 = 0.23, 13 = 0.38, 14 = 0.40, 15 = 0.38, 16 = 0.23, 17 = 0.38, 18 = 0.38, 19 = 0.38, 20 = 0.38, 21 = 0.38,
 22 = 0.38, 23 = 0.64, 24 = 0.51, 25 = 0.38, 26 = 0.56, 28 = 0.83, 29 = 0.38, 30 = 0.38, 31 = 0.38, 32 = 0.38, 33 = 0.38, 34 = 0.38, 35 = 0.38, 36 = 0.26, 37 = 0.38, 38 = 0.40, 39 = 0.38, 40 = 0.26, 41 = 0.38,
 42 = 0.38, 43 = 0.38, 44 = 0.38, 45 = 0.38, 46 = 0.38, 47 = 0.38 and 48 = 0.76

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-10-8 to 35-2-8 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 psf on overhangs non-concurrent with other live loads.
 - 6) Provide adequate drainage to prevent water ponding.
 - 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 2x4 MT20 unless otherwise indicated.
 - 9) Gable requires continuous bottom chord bearing.
 - 10) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - 11) Gable studs spaced at 2-0-0 oc.
 - 12) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 13) Bearing at joint(s) 38, 39, 37 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 14) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 39, 41, 42, 43, 44, 45, 46, 37, 35, 34, 33, 32, 31, 30 except (jt=lb) 48=530, 28=288, 47=395, 29=376.
 - 15) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 38, 39, 41, 42, 43, 44, 45, 46, 47, 37, 35, 34, 33, 32, 31, 30, 29.
 - 16) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 17) 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, concurrent with live and dead loads.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	GE25	SCISSOR SUPPORTED GA	1	1	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:48 2016 Page 2
ID:n2IO11OQTZ0wkrxQLhBcTwzoAo6-iAioneiv?rNIdyaNWNnGbngJMZSoqXAakRx6mkznDQ9

NOTES-

18) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	GE26B	GABLE	1	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:50 2016 Page 1
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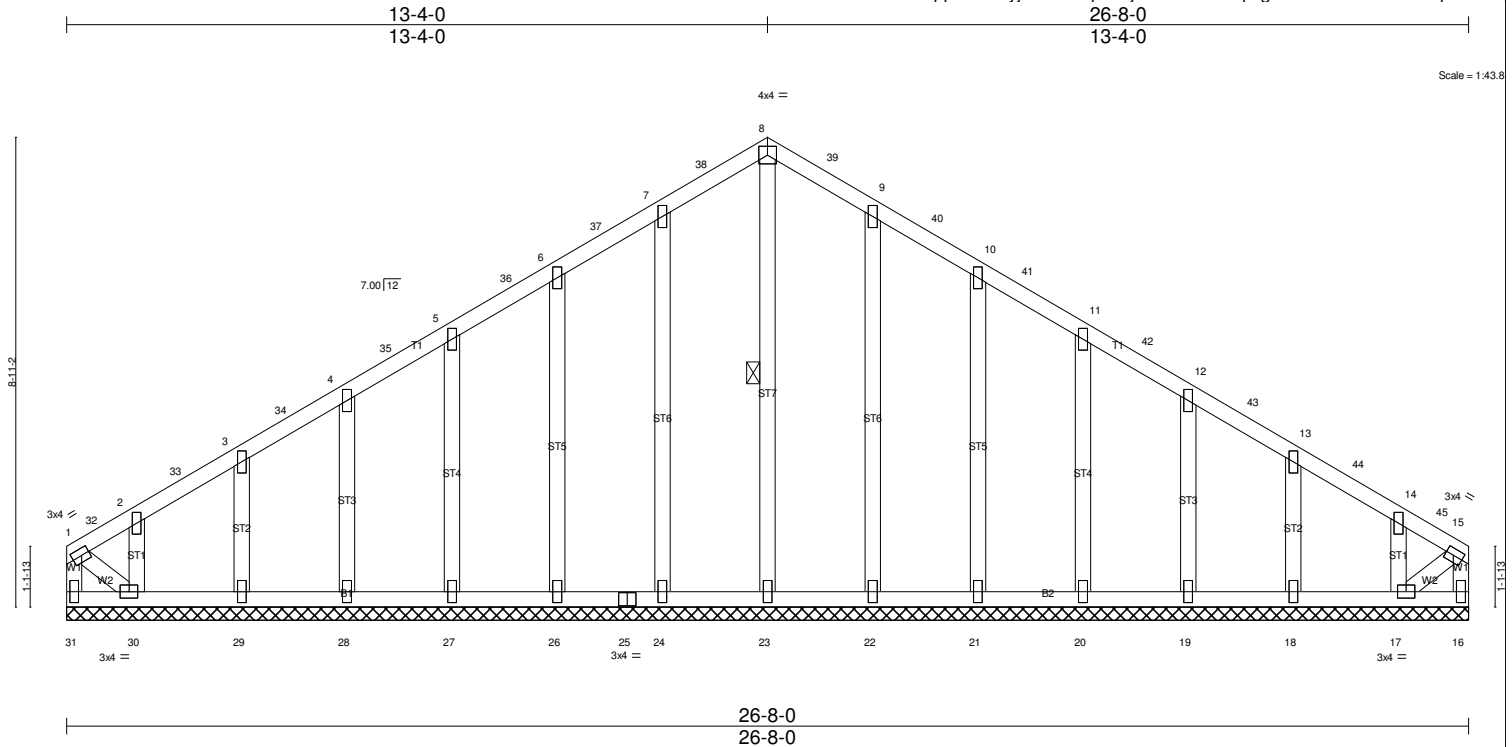


Plate Offsets (X,Y)-- [1:0-1-12,0-1-8], [15:0-1-12,0-1-8]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.24 BC 0.06 WB 0.35 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.01 16 n/a n/a	MT20	197/144
				Weight: 138 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3 OTHERS 2x4 SPF No.3	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 8-23

REACTIONS. All bearings 26-8-0.
 (lb) - Max Horz 31=270(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 16, 23, 24, 22 except 31=199(LC 7), 26=121(LC 9), 27=111(LC 9), 28=112(LC 9), 29=115(LC 9), 30=217(LC 9), 21=121(LC 9), 20=111(LC 9), 19=112(LC 9), 18=115(LC 9), 17=217(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 31=310(LC 13), 16=310(LC 28), 23=298(LC 35), 24=344(LC 34), 26=348(LC 33), 27=351(LC 32), 28=354(LC 31), 29=359(LC 30), 30=347(LC 29), 22=344(LC 36), 21=348(LC 37), 20=351(LC 38), 19=354(LC 39), 18=359(LC 40), 17=347(LC 41)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-31=300/191, 7-38=115/293, 8-38=58/298, 8-39=47/298, 9-39=115/293, 15-16=300/94
 WEBS 8-23=258/31, 7-24=304/109, 6-26=308/141, 5-27=311/131, 4-28=314/132, 3-29=318/137, 2-30=310/115, 9-22=304/109, 10-21=308/141, 11-20=311/131, 12-19=314/132, 13-18=318/137, 14-17=310/115

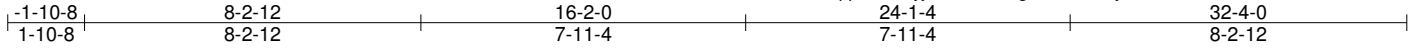
JOINT STRESS INDEX
 1 = 0.60, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.31, 6 = 0.31, 7 = 0.31, 8 = 0.53, 9 = 0.31, 10 = 0.31, 11 = 0.31, 12 = 0.31, 13 = 0.31, 14 = 0.31, 15 = 0.60, 16 = 0.31, 17 = 0.54, 18 = 0.31, 19 = 0.31, 20 = 0.31, 21 = 0.31, 22 = 0.31, 23 = 0.31, 24 = 0.31, 25 = 0.26, 26 = 0.31, 27 = 0.31, 28 = 0.31, 29 = 0.31, 30 = 0.54 and 31 = 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) 16, 23, 24, 22 except (jt=lb) 31=199, 26=121, 27=111, 28=112, 29=115, 30=217, 21=121, 20=111, 19=112, 18=115, 17=217.
 - 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
CORE	GE32	GABLE	1	1	

Universal Forest Products
 Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:51 2016 Page 1
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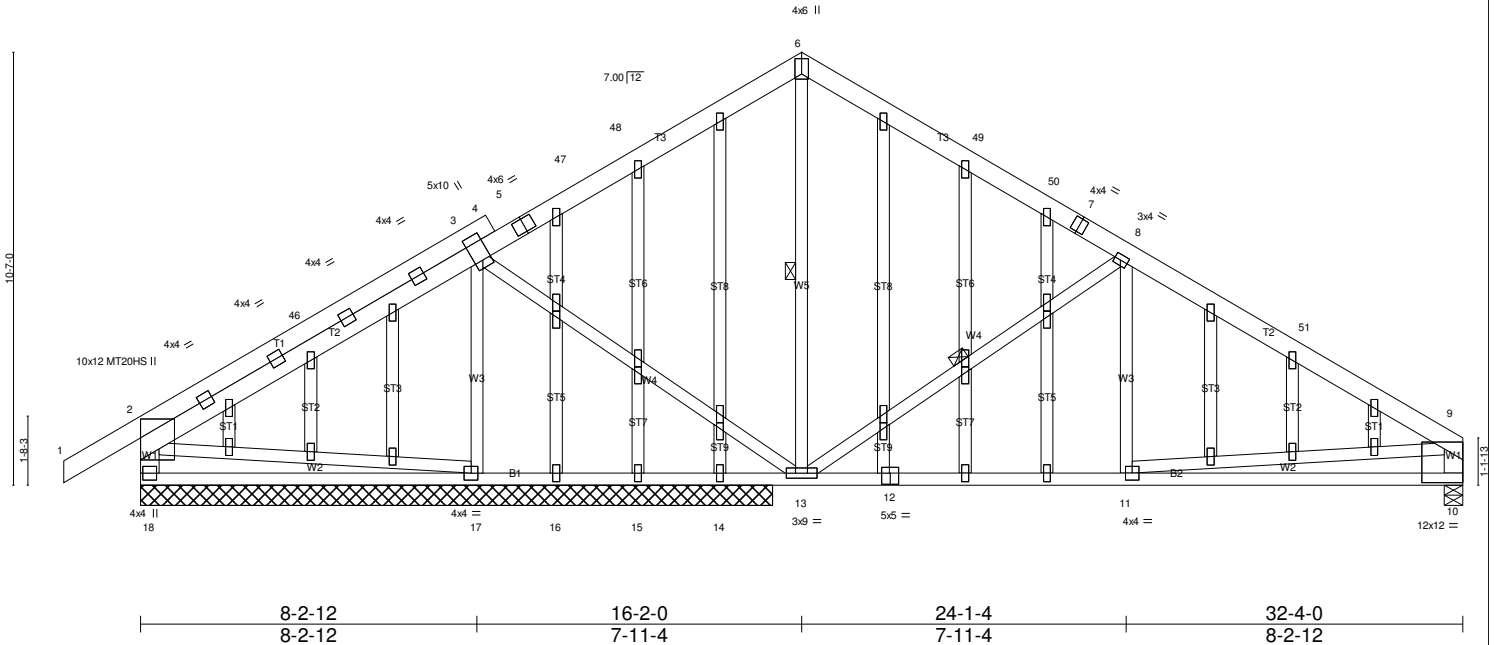


Plate Offsets (X,Y)--	[2:0-8-12,0-4-8], [3:0-7-12,0-2-8], [6:0-4-8,0-2-0], [8:0-1-12,0-1-8], [10:Edge,0-10-0], [12:0-2-8,0-0-4], [19:0-1-12,0-1-0], [21:0-1-12,0-1-0], [23:0-1-12,0-1-0], [33:0-1-12,0-1-0], [36:0-1-12,0-1-0], [39:0-1-12,0-1-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.65 BC 0.60 WB 1.00 (Matrix)	in (loc) l/defl L/d TC 11-13 >999 360 Vert(TL) -0.21 11-13 >999 240 Horz(TL) 0.03 10 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0	Rep Stress Incr NO				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 257 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-7 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
WEBS 2x4 SPF No.3 *Except* W1: 2x6 SPF No.2	10-0-0 oc bracing: 11-13,10-11.
OTHERS 2x4 SPF No.3	WEBS 1 Row at midpt 6-13, 8-13

REACTIONS. All bearings 15-5-8 except (jt=length) 10=0-5-8.
 (lb) - Max Horz 18--335(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 14, 15, 16 except 18--299(LC 9), 17--580(LC 9), 10--435(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) 14, 15 except 18--667(LC 2), 17--1752(LC 1), 10--1392(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-46--346/93, 3-4--833/349, 4-5--987/451, 5-47--959/452, 47-48--838/464, 6-48--822/481, 6-49--841/479, 49-50--856/462,
 7-50--992/450, 7-8--1093/449, 8-51--1580/581, 9-51--1896/564, 2-18--584/341, 9-10--1311/475
 BOT CHORD 17-18--219/318, 12-13--331/1486, 11-12--331/1486, 10-11--274/678
 WEBS 3-17--1596/641, 3-13--81/886, 6-13--97/255, 8-13--926/428, 8-11=0/298, 9-11--58/867

JOINT STRESS INDEX
 2 = 0.67, 3 = 0.92, 3 = 0.96, 3 = 0.96, 3 = 0.96, 3 = 0.96, 4 = 0.00, 5 = 0.86, 6 = 0.86, 7 = 0.67, 8 = 0.60, 9 = 0.00, 10 = 0.58, 11 = 0.51, 12 = 0.49, 13 = 0.81, 14 = 0.31, 15 = 0.31, 16 = 0.31, 17 = 0.60, 18 = 0.92, 19 = 0.47, 19 = 0.31, 20 = 0.31, 21 = 0.47, 21 = 0.31, 22 = 0.31, 23 = 0.47, 23 = 0.31, 24 = 0.31, 25 = 0.31, 26 = 0.00, 26 = 0.31, 27 = 0.31, 28 = 0.00, 28 = 0.31, 29 = 0.31, 30 = 0.00, 30 = 0.31, 31 = 0.31, 32 = 0.00, 33 = 0.47, 33 = 0.31, 34 = 0.31, 35 = 0.31, 36 = 0.47, 36 = 0.31, 37 = 0.31, 38 = 0.31, 39 = 0.47, 39 = 0.31, 40 = 0.31, 41 = 0.31, 42 = 0.31, 43 = 0.31, 44 = 0.31 and 45 = 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) 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) 14, 15, 16 except (jt=lb) 18--299, 17--580, 10--435.
 - 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
CORE	GE53	GABLE	2	1	

Job Reference (optional)

Universal Forest Products

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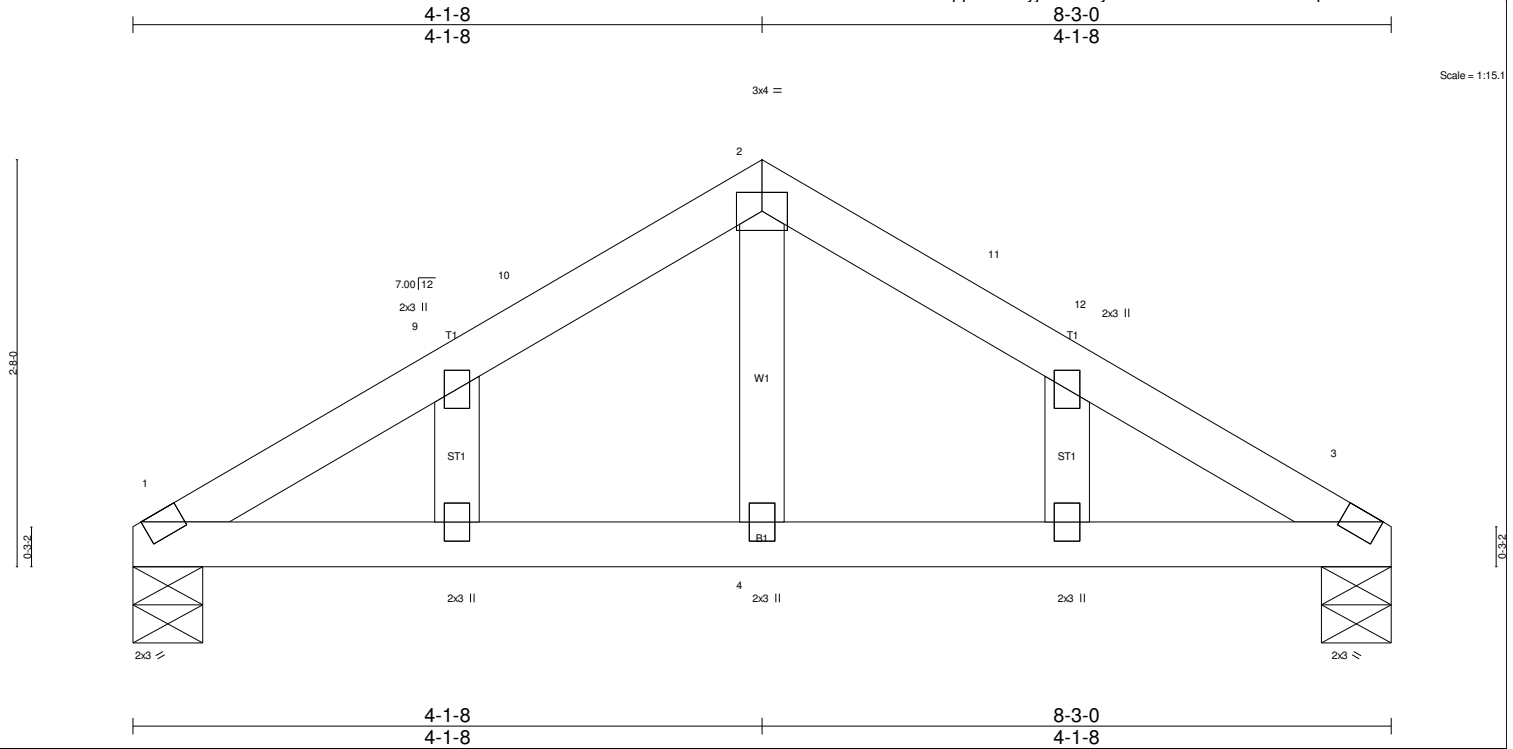


Plate Offsets (X,Y)-- [3:0-3-0,Edge]

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 0.65 BC 0.16 WB 0.08 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.01 1-4 >999 360 Vert(TL) -0.02 1-4 >999 240 Horz(TL) 0.01 3 n/a n/a	PLATES GRIP MT20 197/144 Weight: 25 lb FT = 4%
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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 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=444/0-5-8, 3=444/0-5-8
Max Horz 1=-69(LC 7)
Max Uplift 1=-260(LC 9), 3=-260(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-520/267, 9-10=-444/267, 2-10=-429/274, 2-11=-429/274, 11-12=-444/267, 3-12=-520/267
BOT CHORD 1-4=-163/380, 3-4=-163/380

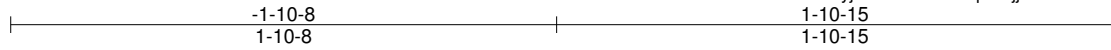
JOINT STRESS INDEX
1 = 0.76, 2 = 0.17, 3 = 0.76, 4 = 0.21, 5 = 0.00, 6 = 0.00, 7 = 0.00 and 8 = 0.00

- 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 and right exposed; end vertical left and right exposed; porch 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 studs spaced at 2-0-0 oc.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=260, 3=260.
 - 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.

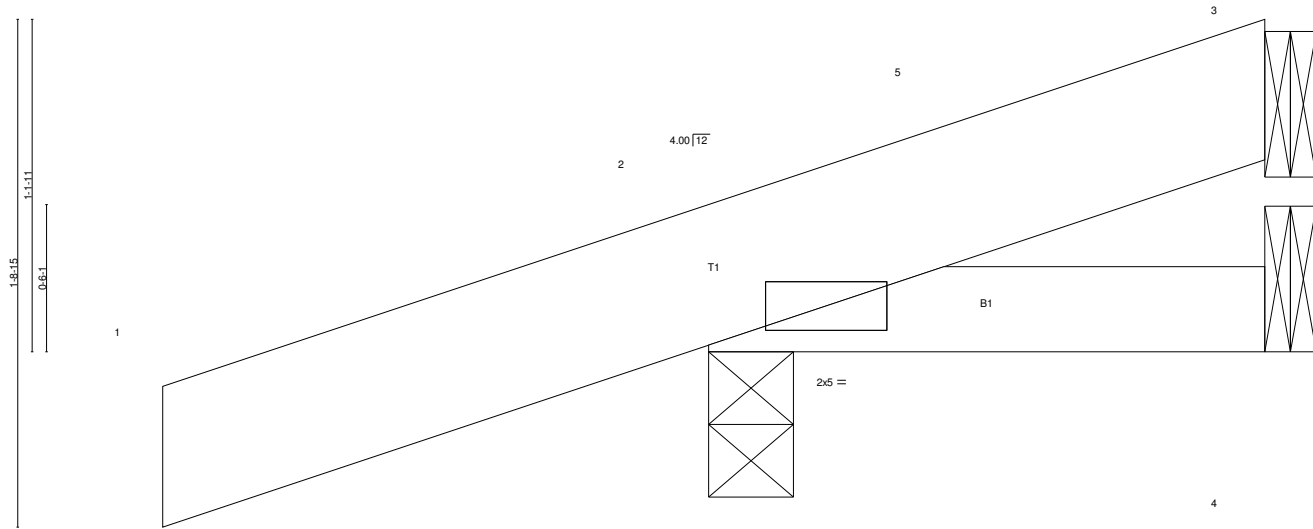
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J2B	JACK	6	1	

Universal Forest Products
 7 640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:53 2016 Page 1
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Scale = 1:7.9



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 NO Code IBC2009/TPI2007	CSI. TC 0.35 BC 0.03 WB 0.00 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.00 2 >999 360 Vert(TL) -0.00 2-4 >999 240 Horz(TL) -0.00 3 n/a n/a	PLATES GRIP MT20 197/144 Weight: 10 lb FT = 4%
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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=72/Mechanical, 2=534/0-3-8, 4=19/Mechanical
 Max Horz 2=81(LC 9)
 Max Uplift 3=-80(LC 13), 2=-230(LC 9)
 Max Grav 3=299(LC 16), 2=690(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 = 0.63

- 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) 3 except (jt=lb) 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: 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-2=-157, 2=-166-to-3=-227
 - 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
 Trapezoidal Loads (plf)
 Vert: 1=-174-to-2=-237, 2=-77-to-3=-138

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J2C	Jack-Open	3	1	

Job Reference (optional)

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 ID:NHIEkEanFpWfScxLnThzww1kcs-27VhrMl2qN?2jjTKlwMRlrOD7aBRVqXKtiffRxnDQ4

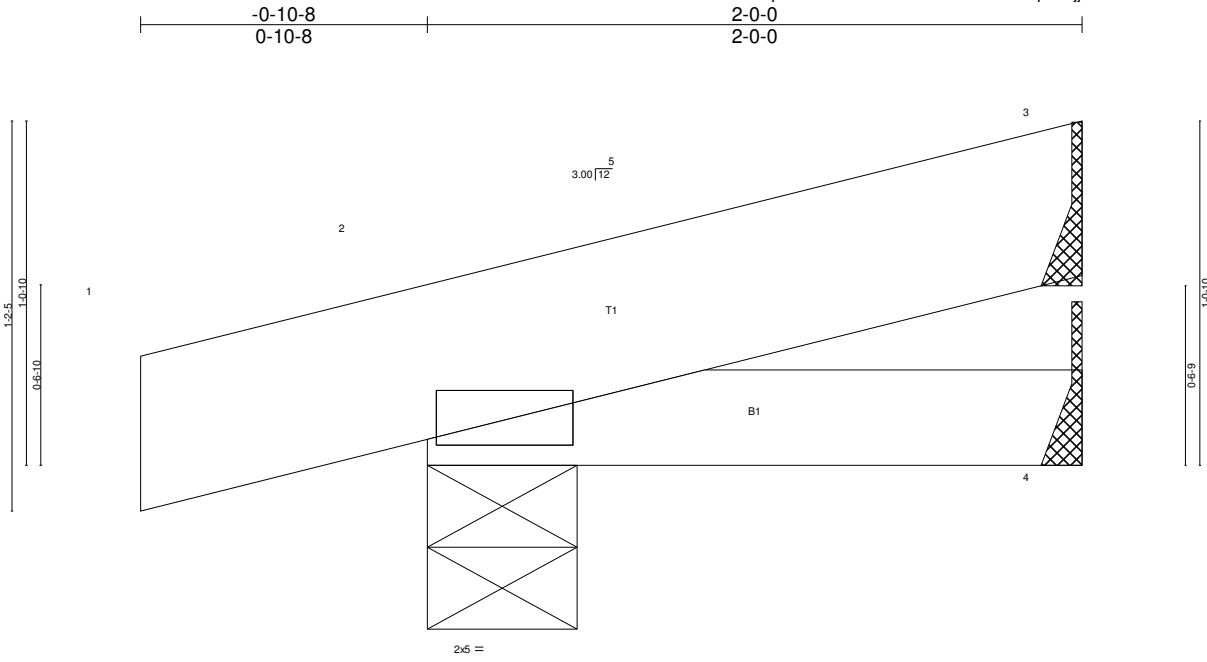


Plate Offsets (X,Y)-- [2:0-5,0-0-3]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.13	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.04	Vert(LL) -0.00 2 >999 360		
BCLL 0.0	Rep Stress Incr NO	WB 0.00	Vert(TL) -0.00 2-4 >999 240		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
				Weight: 8 lb	FT = 4%

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

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

REACTIONS. (lb/size) 2=305/0-5-8, 4=19/Mechanical, 3=161/Mechanical
 Max Horz 2=41(LC 9)
 Max Uplift 2=-108(LC 9), 3=-37(LC 9)
 Max Grav 2=349(LC 15), 4=39(LC 4), 3=311(LC 16)

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

JOINT STRESS INDEX
 2 = 0.24

- 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 ; 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) 3 except (jt=lb) 2=108.
 - 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=-169, 5=-173-to-3=-222
 - 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

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J2C	Jack-Open	3	1	Job Reference (optional)

Universal Forest Products

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ID:NHIEkEanFpWFtScxLnThzww1kcs-27VhrMI2qN?2jjTKlwMRlrOD7aBRVqXKtiffRxznDQ4

LOAD CASE(S) Standard
Trapezoidal Loads (plf)

Vert: 1=-174-to-2=-214, 2=-54-to-3=-138

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J4D	MONO TRUSS	5	1	

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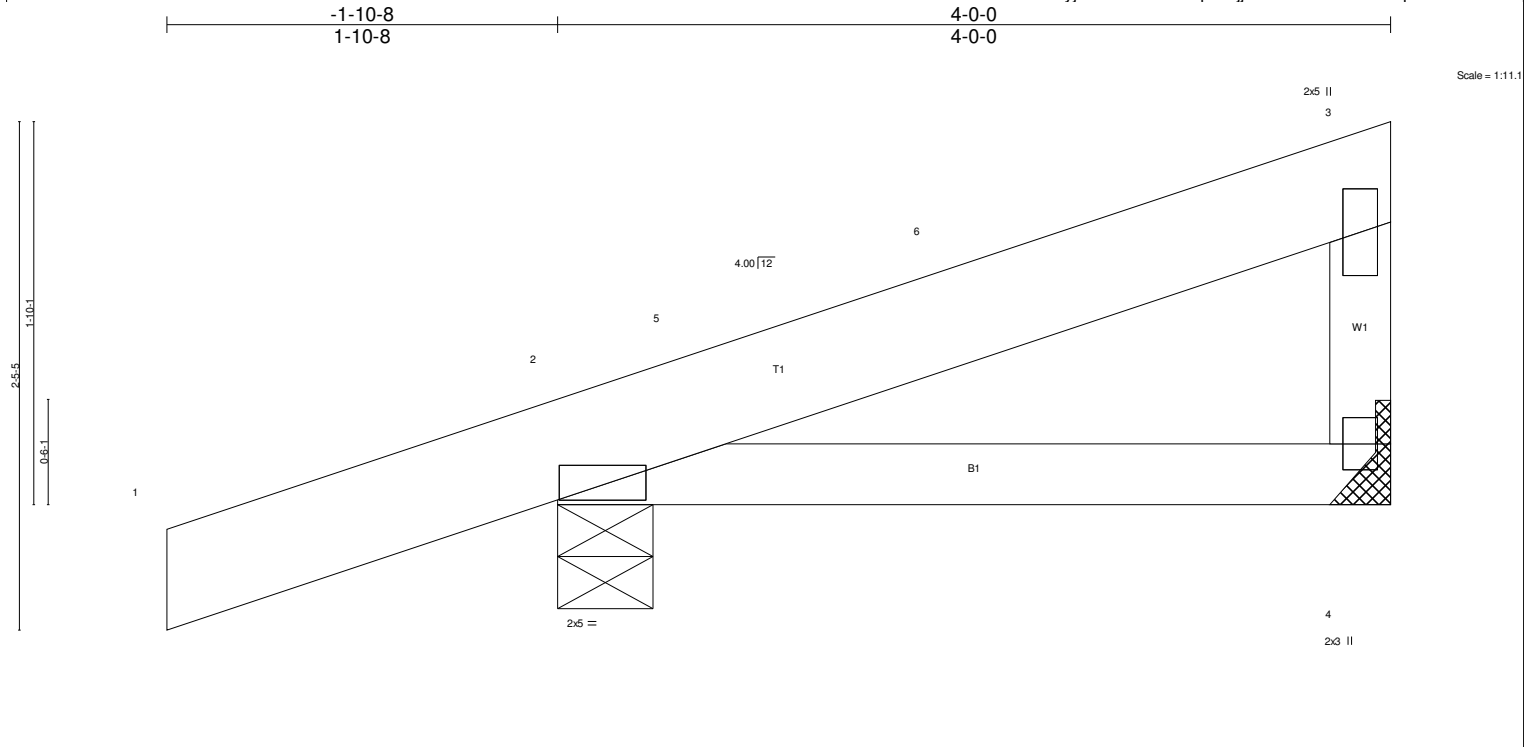


Plate Offsets (X,Y)-- [2:0-0-2,0-0-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.48	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.13	Vert(LL) -0.01 2-4 >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.00	Vert(TL) -0.03 2-4 >999 240		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) -0.00 4 n/a n/a		
				Weight: 17 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 4-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=875/0-5-8, 4=306/Mechanical
Max Horz 2=83(LC 6)
Max Uplift 2=-251(LC 9), 4=-29(LC 9)
Max Grav 2=948(LC 13), 4=353(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-317/47

JOINT STRESS INDEX
2 = 0.77, 3 = 0.33 and 4 = 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) 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) 4 except (jt=lb) 2=251.
 - 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=-169-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=-169-to-5=-192, 5=-208-to-3=-234
 - 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=-113-to-3=-162
 - 13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J4D	MONO TRUSS	5	1	

Job Reference (optional)

Universal Forest Products

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LOAD CASE(S) Standard

Uniform Loads (plf)

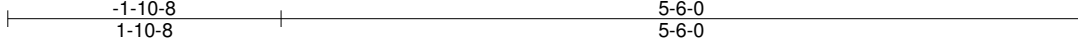
Vert: 2-4=-20

Trapezoidal Loads (plf)

Vert: 1=-249-to-2=-267, 2=-107-to-3=-138

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J5B	MONO TRUSS	13	1	

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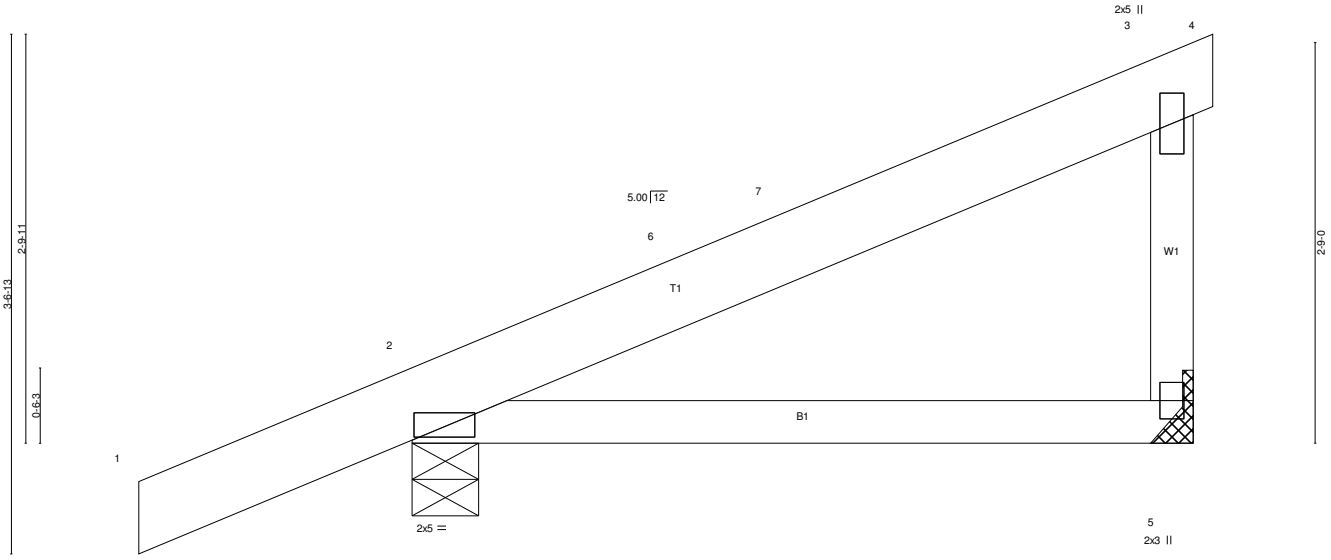


Plate Offsets (X,Y)-- [2:0-5-3,0-0-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.54	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.29	Vert(LL) -0.04 2-5 >999 360		
BCLL 0.0	Rep Stress Incr NO	WB 0.00	Vert(TL) -0.09 2-5 >644 240		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) -0.00 5 n/a n/a		
				Weight: 23 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3	

REACTIONS. (lb/size) 5=541/Mechanical, 2=894/0-5-8
 Max Horz 2=135(LC 6)
 Max Uplift 5=-85(LC 9), 2=-257(LC 9)
 Max Grav 5=597(LC 2), 2=917(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-5=-547/110

JOINT STRESS INDEX
 2 = 0.77, 3 = 0.28 and 5 = 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 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) 5 except (jt=lb) 2=257.
 - 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: 2-5=-20
 Trapezoidal Loads (plf)
 Vert: 1=-144-to-3=-215, 3=-215-to-4=-218
 - 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-5=-20
 Trapezoidal Loads (plf)
 Vert: 1=-144-to-6=-183, 6=-206-to-3=-238, 3=-238-to-4=-241
 - 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-5=-20
 Trapezoidal Loads (plf)
 Vert: 1=-88-to-3=-159, 3=-159-to-4=-162
 - 13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J5B	MONO TRUSS	13	1	Job Reference (optional)

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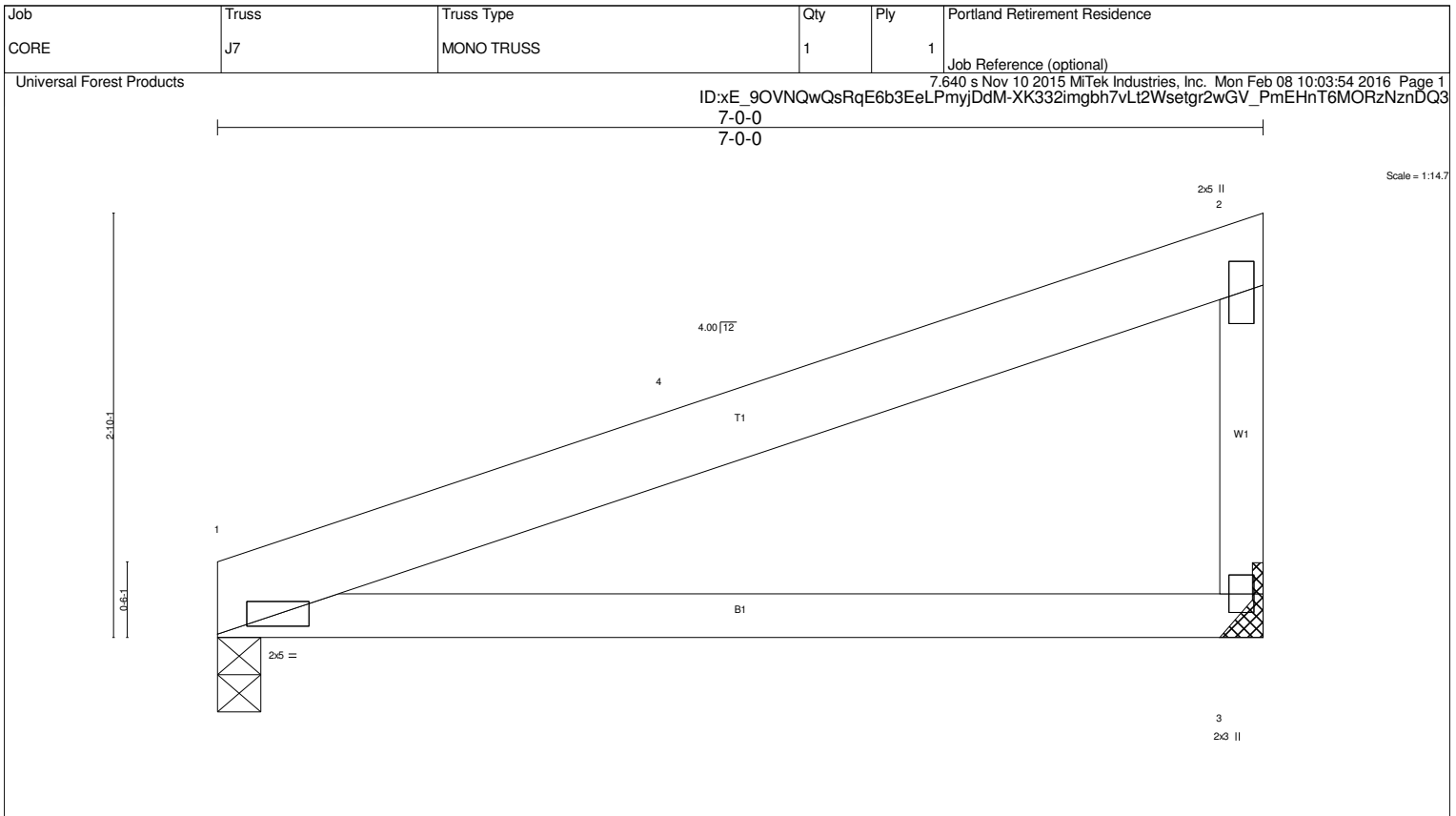
LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 2-5--20

Trapezoidal Loads (plf)

Vert: 1=-224-to-2=-245, 2=-85-to-3=-135, 3=-135-to-4=-138



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.67	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.54	Vert(LL) -0.12 1-3 >663 360		
BCLL 0.0	Rep Stress Incr NO	WB 0.00	Vert(TL) -0.30 1-3 >265 240		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) -0.00 3 n/a n/a	Weight: 24 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF 2100F 1.8E
 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) 1=626/0-3-8, 3=712/Mechanical
 Max Horz 1=124(LC 6)
 Max Uplift 1=115(LC 9), 3=134(LC 9)
 Max Grav 1=644(LC 2), 3=761(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-694/168

JOINT STRESS INDEX
 1 = 0.31, 2 = 0.68 and 3 = 0.40

- 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 100 lb uplift at joint(s) except (jt=lb) 1=115, 3=134.
 - 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: 1-3=-20
 Trapezoidal Loads (plf)
 Vert: 1=-141-to-2=-218
- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-20
 Trapezoidal Loads (plf)
 Vert: 1=-141-to-4=-177, 4=-195-to-2=-237
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-20
 Trapezoidal Loads (plf)
 Vert: 1=-85-to-2=-162

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J7D	Monopitch	2	1	

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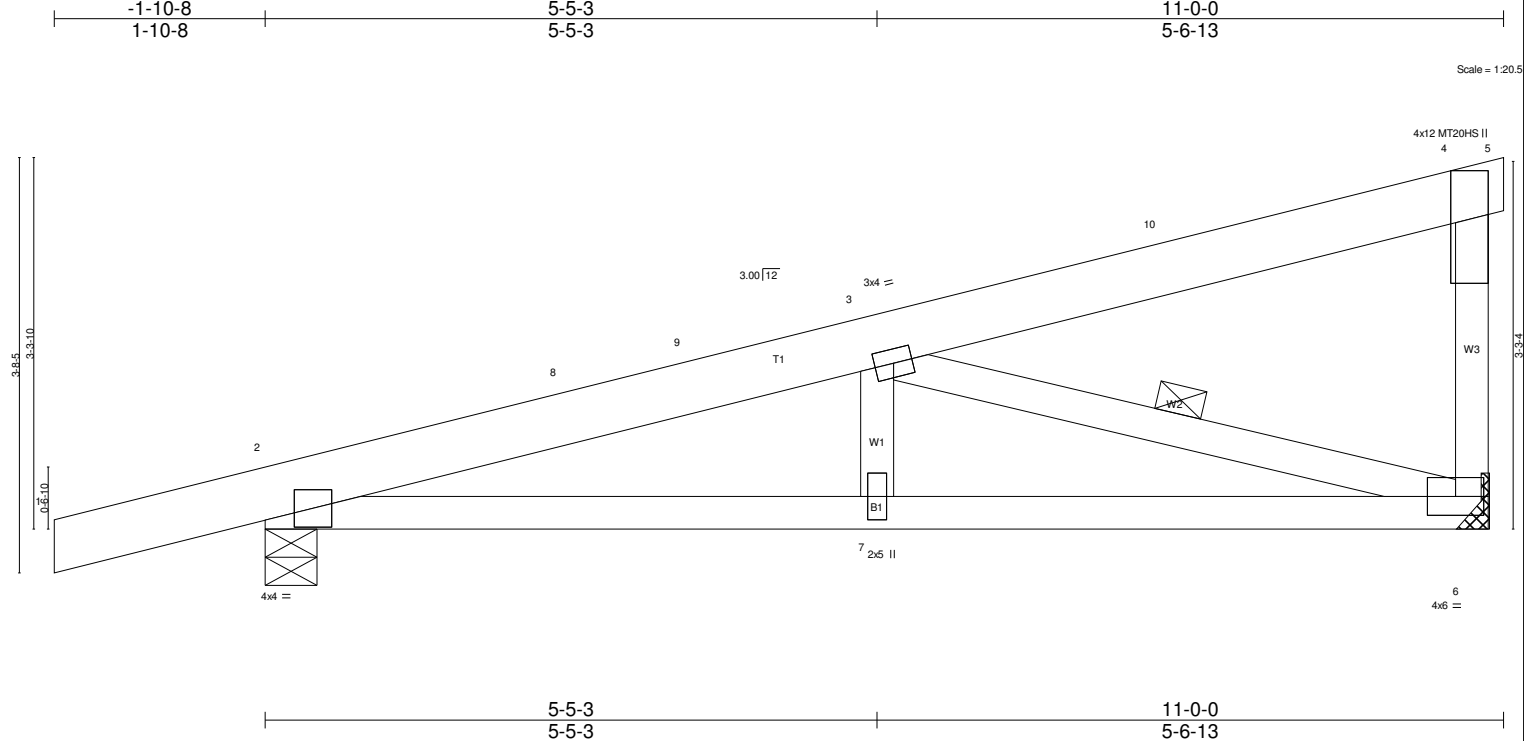


Plate Offsets (X,Y)-- [4:0-5-9,Edge]	
LOADING (psf)	SPACING- 2-0-0
TCLL 40.0	Plate Grip DOL 1.15
(Roof Snow=40.0)	Lumber DOL 1.15
TCDL 7.0	Rep Stress Incr NO
BCLL 0.0	Code IBC2009/TPI2007
BCDL 10.0	
CSI.	DEFL. in (loc) l/defl L/d
TC 0.95	Vert(LL) -0.10 2-7 >999 360
BC 0.69	Vert(TL) -0.13 2-7 >989 240
WB 0.52	Horz(TL) 0.04 6 n/a n/a
(Matrix)	
	PLATES GRIP
	MT20 197/144
	MT20HS 148/108
	Weight: 46 lb FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-8-14 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 9-9-13 oc bracing.
WEBS 2x4 SPF No.3	WEBS 1 Row at midpt 3-6

REACTIONS. (lb/size) 6=1098/Mechanical, 2=1120/0-5-8
 Max Horz 2=185(LC 9)
 Max Uplift 6=-214(LC 9), 2=-333(LC 9)
 Max Grav 6=1232(LC 2), 2=1181(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-8=-2141/247, 8-9=-2048/253, 3-9=-2004/258, 3-10=-260/0, 4-6=-620/133
 BOT CHORD 2-7=-358/1968, 6-7=-358/1968
 WEBS 3-6=-1925/356

JOINT STRESS INDEX
 2 = 0.89, 3 = 0.76, 4 = 0.91, 6 = 0.75 and 7 = 0.14

- 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 ; 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) 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=214, 2=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 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=-215, 4=-215-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-9=-150, 9=-177-to-4=-243, 4=-243-to-5=-246
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-6=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J7D	Monopitch	2	1	Job Reference (optional)

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 ID:NHIEkEanFpWFtScxLnThzwz1kcs-?WdSF2nIM_Fly1cjQLPvNGTNRjdzcvL08_WqznDQ2

LOAD CASE(S) Standard

Trapezoidal Loads (plf)

Vert: 1=-38-to-4=-159, 4=-159-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=-194, 2=-34-to-4=-135, 4=-135-to-5=-138

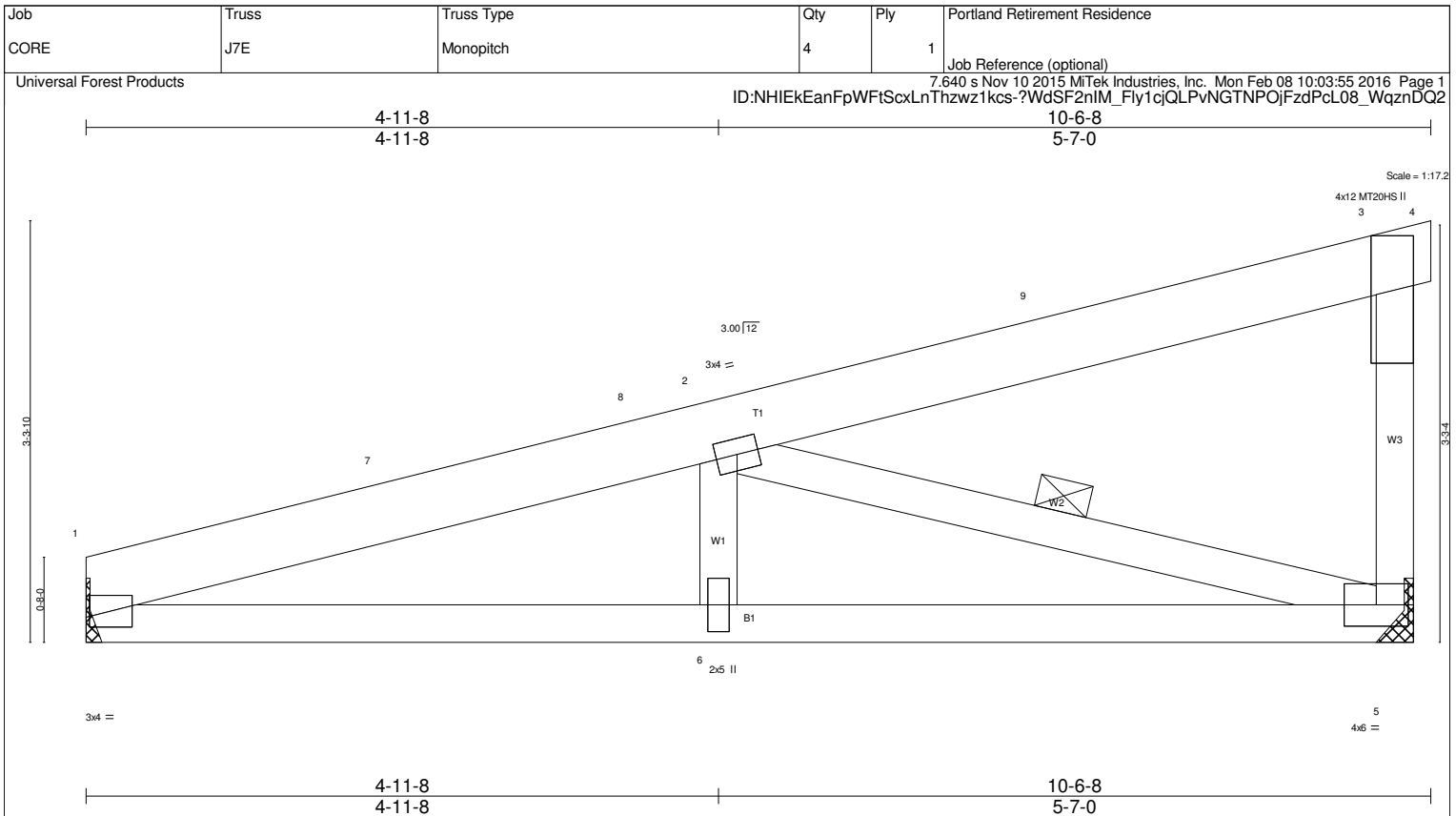


Plate Offsets (X,Y)-- [3:0-5-9,Edge]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.91 BC 0.65 WB 0.49 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.09 1-6 >999 360 Vert(TL) -0.11 1-6 >999 240 Horz(TL) 0.03 5 n/a n/a	MT20 MT20HS	197/144 148/108
				Weight: 42 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 4-10-15 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 9-2-3 oc bracing. WEBS 1 Row at midpt 2-5
---	--

REACTIONS. (lb/size) 1=820/Mechanical, 5=1071/Mechanical
 Max Horz 1=162(LC 9)
 Max Uplift 1=-167(LC 9), 5=-224(LC 9)
 Max Grav 1=859(LC 2), 5=1176(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-7=-1988/299, 7-8=-1918/300, 2-8=-1835/306, 2-9=-250/0, 3-5=-603/130
 BOT CHORD 1-6=-411/1847, 5-6=-411/1847
 WEBS 2-5=-1804/413

JOINT STRESS INDEX
 1 = 0.88, 2 = 0.71, 3 = 0.87, 5 = 0.68 and 6 = 0.14

- 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 ; 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) 1=167, 5=224.
 - 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=-20
 Trapezoidal Loads (plf)
 Vert: 1=-104-to-3=-215, 3=-215-to-4=-218
 - 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-5=-20
 Trapezoidal Loads (plf)
 Vert: 1=-104-to-8=-152, 8=-176-to-3=-239, 3=-239-to-4=-242
 - 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=-48-to-3=-159, 3=-159-to-4=-162

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J7F	Monopitch	7	1	

Universal Forest Products
 Job Reference (optional)
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 ID:NHIEkEanFpWfTScxLnThzwz1kcs-TiBqTNow7IOcaABv_2w8wT?d8n9iiBHmZgtX2GznDQ1

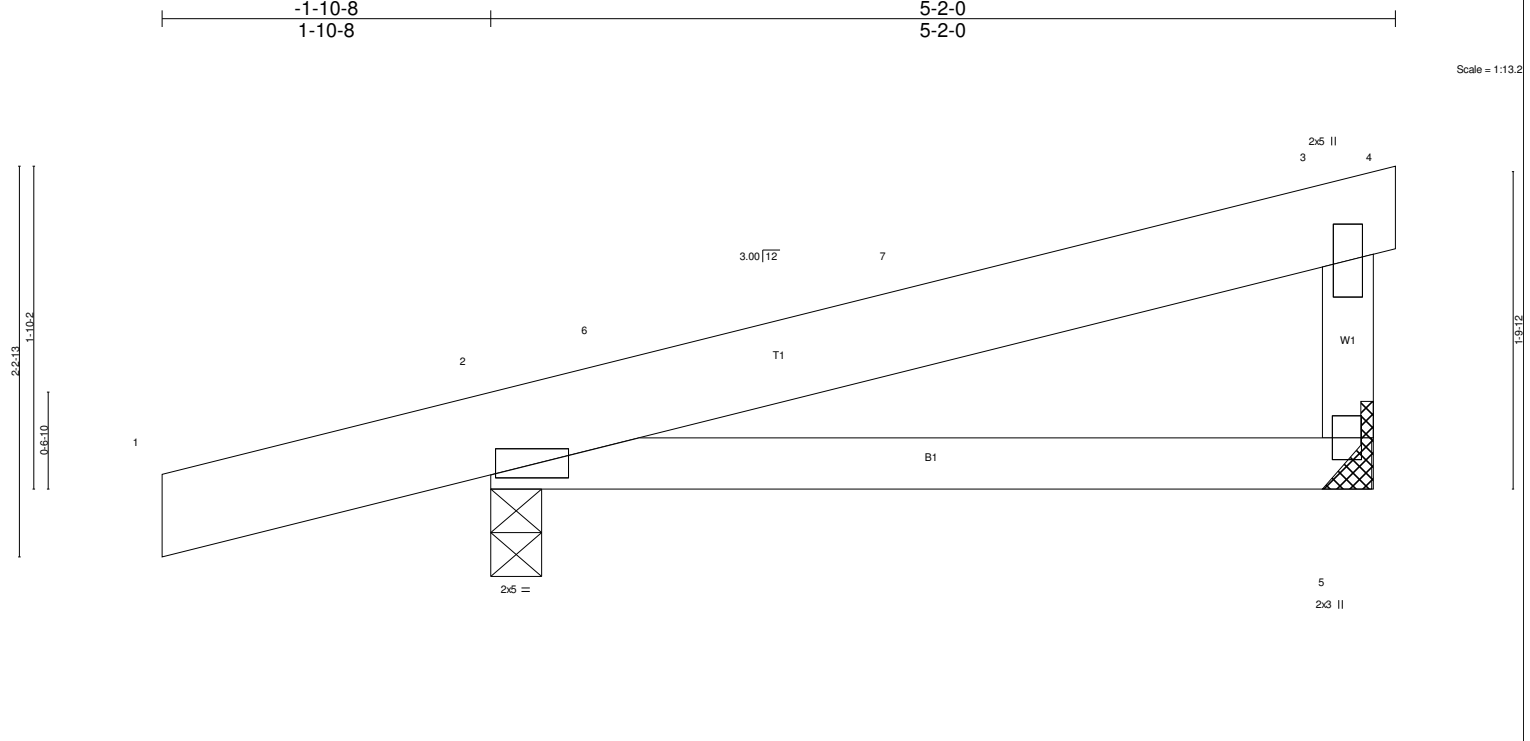


Plate Offsets (X,Y)-- [2:0-0-5,0-0-3]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.59 BC 0.26 WB 0.00 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.03 2-5 >999 360 Vert(TL) -0.08 2-5 >747 240 Horz(TL) 0.00 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr NO				
BCLL 0.0	Code IBC2009/TPI2007			Weight: 20 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 5-2-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=514/Mechanical, 2=855/0-3-8
 Max Horz 2=104(LC 9)
 Max Uplift 5=-81(LC 9), 2=-245(LC 9)
 Max Grav 5=636(LC 15), 2=884(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-5=-589/105

JOINT STRESS INDEX
 2 = 0.68, 3 = 0.33 and 5 = 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 ; 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) 5 except (jt=lb) 2=245.
 - 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 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: 2-5=-20
 Trapezoidal Loads (plf)
 Vert: 1=-144-to-3=-215, 3=-215-to-4=-218
 - 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-5=-20
 Trapezoidal Loads (plf)
 Vert: 1=-144-to-6=-172, 6=-189-to-3=-232, 3=-232-to-4=-235
 - 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-5=-20
 Trapezoidal Loads (plf)
 Vert: 1=-88-to-3=-159, 3=-159-to-4=-162

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J7F	Monopitch	7	1	Job Reference (optional)

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 ID:NHIEkEanFpWFtScxLnThzWz1kcs-TiBqTNow7IOcaABv_2w8wT?d8n9iiBHmZgtX2GznDQ1

LOAD CASE(S) Standard

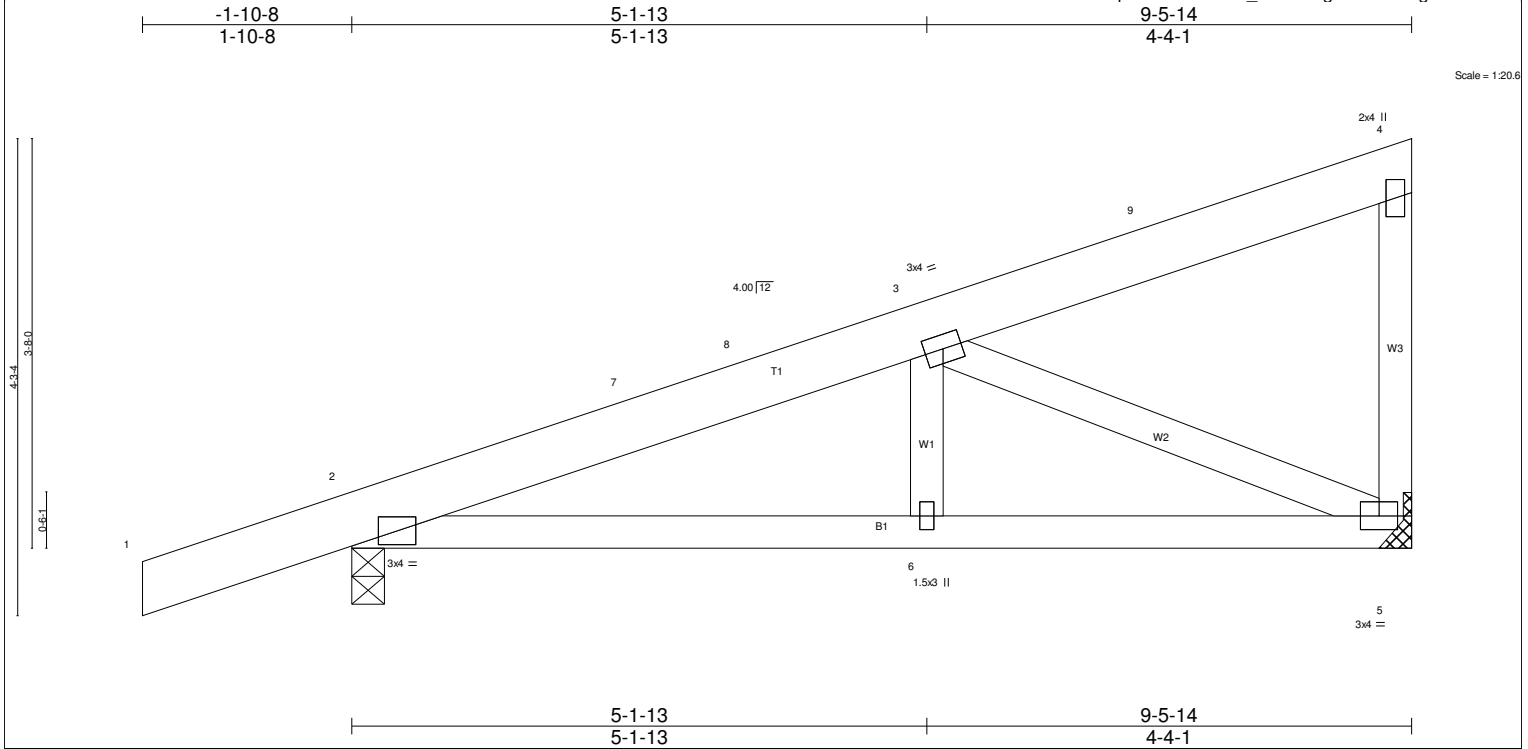
- 13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-5=-20
 Trapezoidal Loads (plf)
 Vert: 1=-224-to-2=-245, 2=-85-to-3=-135, 3=-135-to-4=-138
- 14) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 2-5=-20
 Concentrated Loads (lb)
 Vert: 7=300
 Trapezoidal Loads (plf)
 Vert: 1=-64-to-3=-135, 3=-135-to-4=-138
- 15) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 2-5=-20
 Concentrated Loads (lb)
 Vert: 3=300
 Trapezoidal Loads (plf)
 Vert: 1=-64-to-3=-135, 3=-135-to-4=-138
- 16) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 2-5=-20
 Concentrated Loads (lb)
 Vert: 2=300
 Trapezoidal Loads (plf)
 Vert: 1=-64-to-3=-135, 3=-135-to-4=-138

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J9	MONO TRUSS	4	1	

Job Reference (optional)

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 ID:n2IO1OQTZ0wkrxQLhBcTwzoAo6-TIbqTNow7IOcaABv_2w8wT?gAn9oi4ImZgtX2GznDQf



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.40 BC 0.31 WB 0.51 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.03 6 >999 360 Vert(TL) -0.06 2-6 >999 240 Horz(TL) 0.02 5 n/a n/a	MT20	197/144
				Weight: 42 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3	TOP CHORD Structural wood sheathing directly applied or 5-9-9 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=767/0-3-8, 5=524/Mechanical
 Max Horz 2=174(LC 6)
 Max Uplift 2=-214(LC 6), 5=-131(LC 6)
 Max Grav 2=1067(LC 16), 5=824(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-7=-1236/137, 7-8=-1147/143, 3-8=-1117/150, 4-5=-472/98
 BOT CHORD 2-6=-264/1077, 5-6=-264/1077
 WEBS 3-5=-1159/284

JOINT STRESS INDEX
 2 = 0.73, 3 = 0.42, 4 = 0.80, 5 = 0.54 and 6 = 0.30

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 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=214, 5=131.
 - 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, concurrent with live and dead loads.
 - 11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

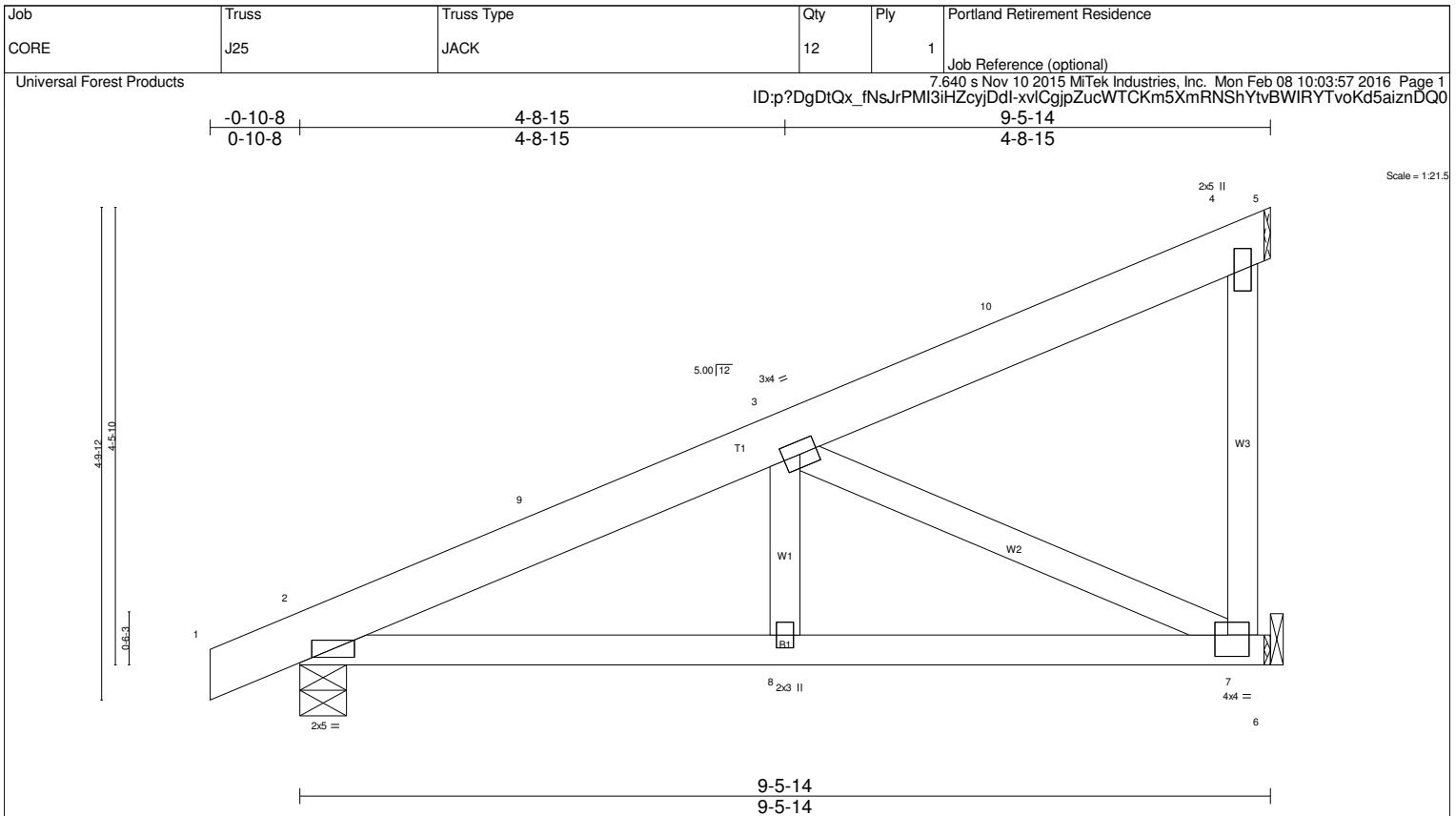


Plate Offsets (X,Y)-- [7:0-1-8,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.27	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.23	Vert(LL) -0.02 8 >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.39	Vert(TL) -0.03 2-8 >999 240		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) 0.01 7 n/a n/a		
				Weight: 43 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) 7=537/Mechanical, 2=622/0-5-8
Max Horz 2=212(LC 6)
Max Uplift 7=-192(LC 9), 2=-227(LC 9)
Max Grav 7=647(LC 2), 2=656(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-858/174, 3-9=-769/182, 4-7=-329/101
BOT CHORD 2-8=-195/710, 7-8=-195/710
WEBS 3-7=-756/278

JOINT STRESS INDEX
2 = 0.71, 3 = 0.30, 4 = 0.81, 7 = 0.42 and 8 = 0.21

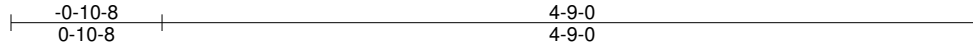
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pf=40.0 psf (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) 7=192, 2=227.
 - 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.
 - 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 70 lb down at 0-0-0 on top 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: 1-4=-94, 4-5=-94, 2-6=-20

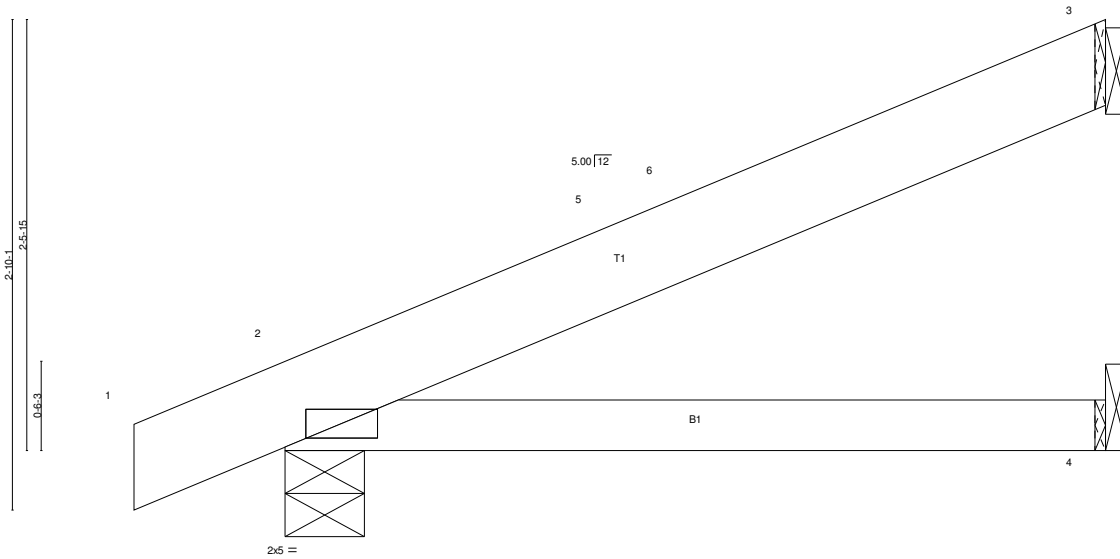
Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J25A	JACK	16	1	Job Reference (optional)

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Scale = 1:13.3



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 0.32 BC 0.20 WB 0.00 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.02 2-4 >999 360 Vert(TL) -0.06 2-4 >903 240 Horz(TL) -0.00 3 n/a n/a	PLATES GRIP MT20 197/144 Weight: 17 lb FT = 4%
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LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2

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

REACTIONS. (lb/size) 3=197/Mechanical, 2=371/0-5-8, 4=45/Mechanical
 Max Horz 2=134(LC 9)
 Max Uplift 3=-122(LC 9), 2=-142(LC 9)
 Max Grav 3=329(LC 17), 2=393(LC 16), 4=89(LC 4)

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

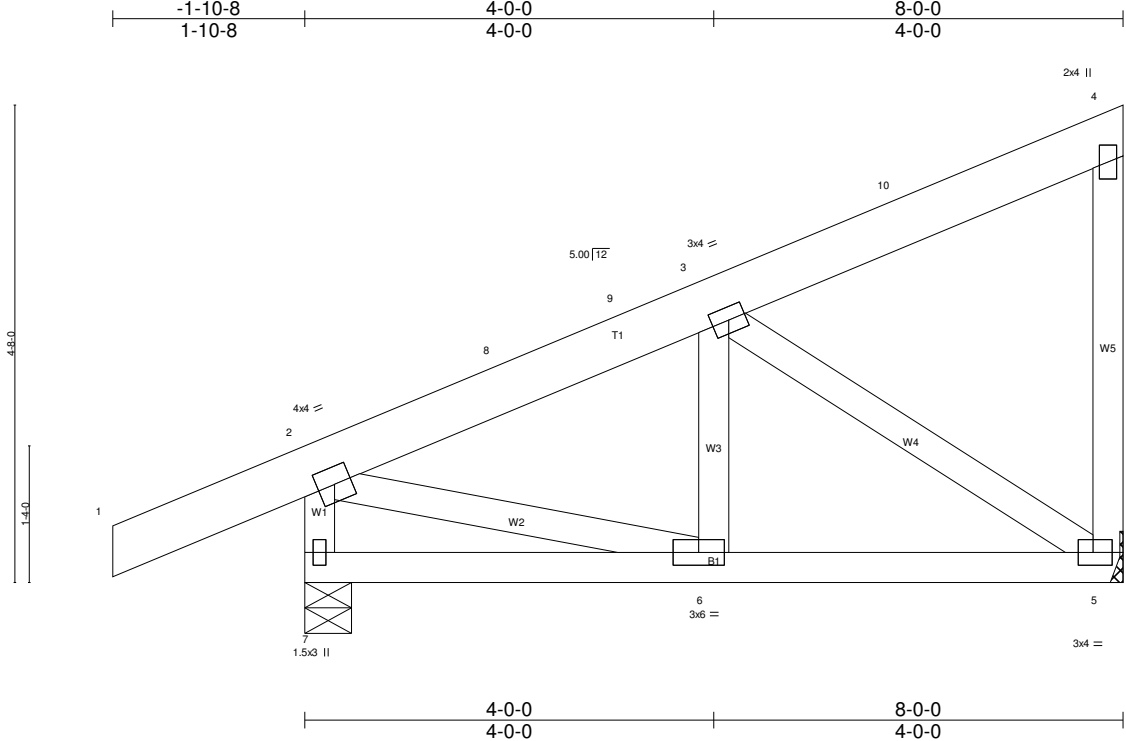
JOINT STRESS INDEX
2 = 0.34

- 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=122, 2=142.
 - 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.
 - 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 70 lb dead at 0-0-0 on top 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 Except:
 14) User defined: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-3=-80(F), 2-4=-14(F)
 Concentrated Loads (lb)
 Vert: 2=-70(F)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J52	Jack-Closed	19	1	Job Reference (optional)

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Scale = 1:22.5

Plate Offsets (X,Y)-- [5.0-1-12.0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.33 BC 0.17 WB 0.31 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.01 6 >999 360 Vert(TL) -0.02 6-7 >999 240 Horz(TL) 0.00 5 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 45 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) 7=683/0-5-8, 5=431/Mechanical
 Max Horz 7=194(LC 8)
 Max Uplift 7=-169(LC 8), 5=-137(LC 8)
 Max Grav 7=983(LC 13), 5=731(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-7=-952/264, 2-8=-698/48, 8-9=-614/57, 3-9=-566/59, 4-5=-461/103
 BOT CHORD 6-7=-260/0, 5-6=-186/567
 WEBS 2-6=0/586, 3-5=-684/224

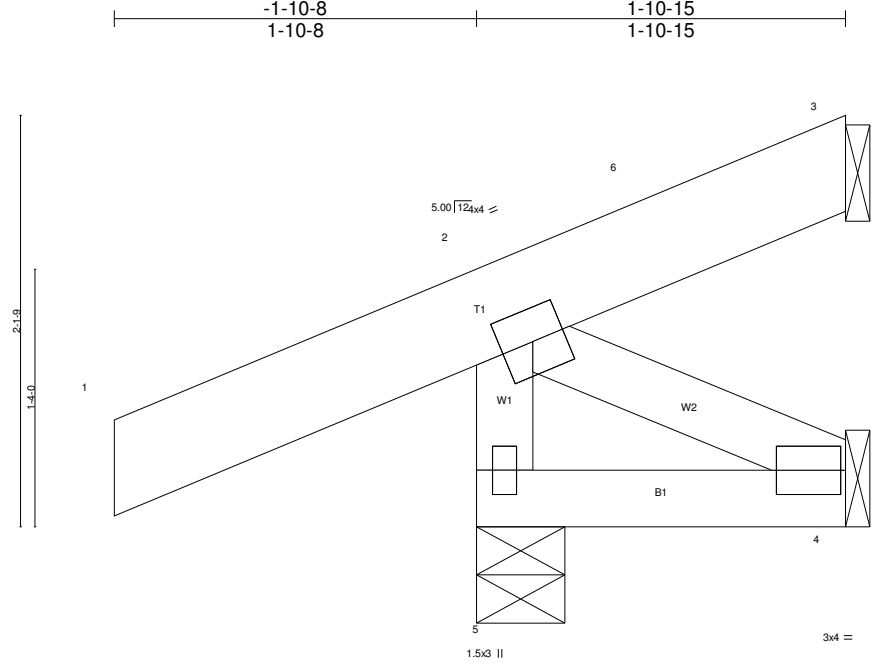
JOINT STRESS INDEX
 2 = 0.39, 3 = 0.26, 4 = 0.54, 5 = 0.41, 6 = 0.32 and 7 = 0.68

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 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=169, 5=137.
 - 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, concurrent with live and dead loads.
 - 11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J52A	Jack-Open	4	1	Job Reference (optional)

Universal Forest Products
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 ID:n2IOI1OQTZ0wkrxQLhBcTwzoAo6-P5Jau3pBfveKpULI5Tyc?u51IbulA5731_Me69znDQ?



LOADING (psf) TCLL 42.3 (Ground Snow=55.0) 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 0.33 BC 0.03 WB 0.04 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.00 5 >999 360 Vert(TL) -0.00 4-5 >999 240 Horz(TL) -0.00 3 n/a n/a	PLATES MT20 Weight: 13 lb	GRIP 197/144 FT = 4%
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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 1-10-15 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
---	--

REACTIONS. (lb/size) 5=419/0-5-8, 3=-28/Mechanical, 4=18/Mechanical
 Max Horz 5=84(LC 8)
 Max Uplift 5=-150(LC 8), 3=-201(LC 12), 4=-39(LC 8)
 Max Grav 5=719(LC 13), 3=272(LC 15), 4=35(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-5=-701/212

JOINT STRESS INDEX
 2 = 0.29, 4 = 0.05 and 5 = 0.50

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 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) 4 except (jt=lb) 5=150, 3=201.
 - 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, concurrent with live and dead loads.
 - 11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J52B	Jack-Open	4	1	Job Reference (optional)

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:03:58 2016 Page 1
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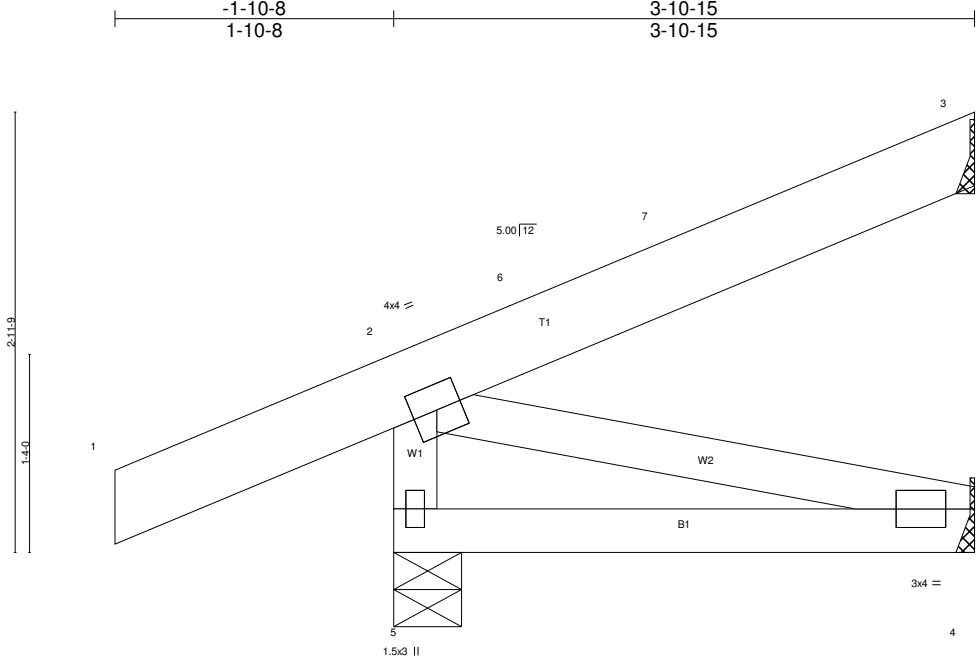


Plate Offsets (X,Y)-- [4:0-3-5,0-1-8]

LOADING (psf) TCLL 42.3 (Ground Snow=55.0) 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 0.33 BC 0.14 WB 0.06 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.01 4-5 >999 360 Vert(TL) -0.03 4-5 >999 240 Horz(TL) -0.00 3 n/a n/a	PLATES GRIP MT20 197/144 Weight: 21 lb FT = 4%
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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 3-10-15 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=474/0-5-8, 3=128/Mechanical, 4=38/Mechanical
 Max Horz 5=120(LC 8)
 Max Uplift 5=-144(LC 8), 3=-75(LC 12), 4=-13(LC 8)
 Max Grav 5=774(LC 13), 3=428(LC 15), 4=75(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-5=-737/227

JOINT STRESS INDEX
 2 = 0.30, 4 = 0.07 and 5 = 0.53

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 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) 3, 4 except (jt=lb) 5=144.
 - 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, concurrent with live and dead loads.
 - 11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

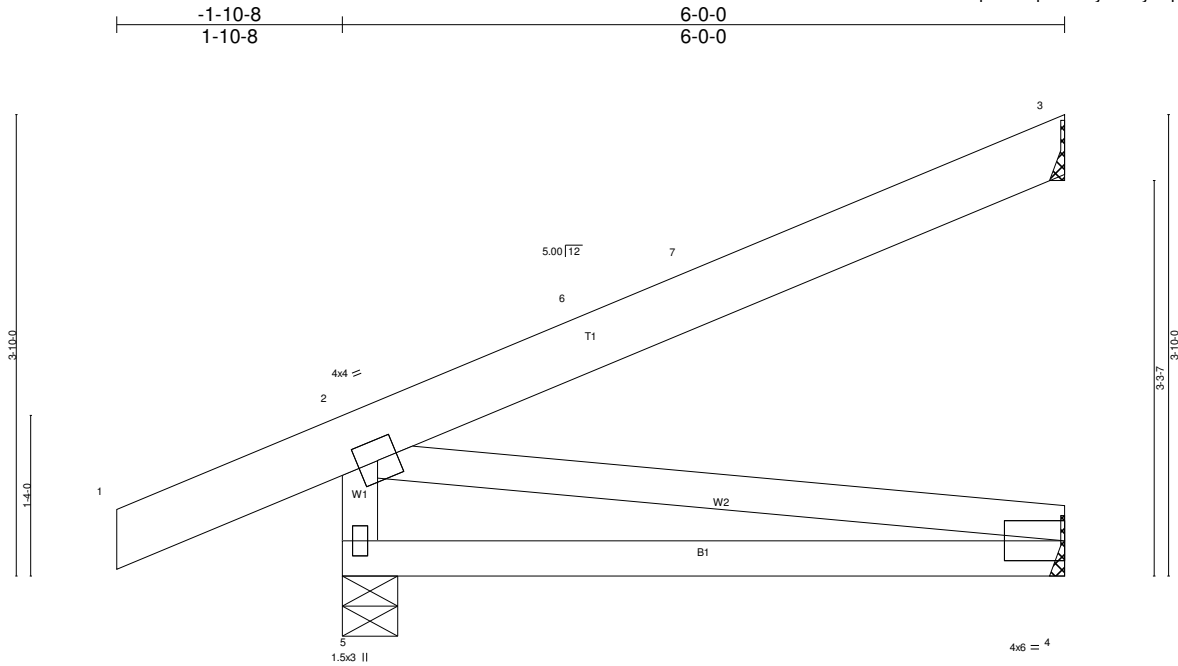
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	J52C	Jack-Open	2	1	

Job Reference (optional)

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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.68 BC 0.37 WB 0.07 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.07 4-5 >997 360 Vert(TL) -0.18 4-5 >399 240 Horz(TL) -0.00 3 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES Code IBC2009/TPI2007			Weight: 30 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3	

REACTIONS. (lb/size) 5=579/0-5-8, 3=251/Mechanical, 4=59/Mechanical
 Max Horz 5=158(LC 8)
 Max Uplift 5=-155(LC 8), 3=-103(LC 8)
 Max Grav 5=879(LC 13), 3=551(LC 15), 4=117(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-5=-820/262

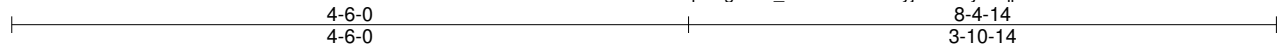
JOINT STRESS INDEX
 2 = 0.34, 4 = 0.08 and 5 = 0.58

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 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) 5=155, 3=103.
 - 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, concurrent with live and dead loads.
 - 11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	PB2	KINGPOST	10	1	

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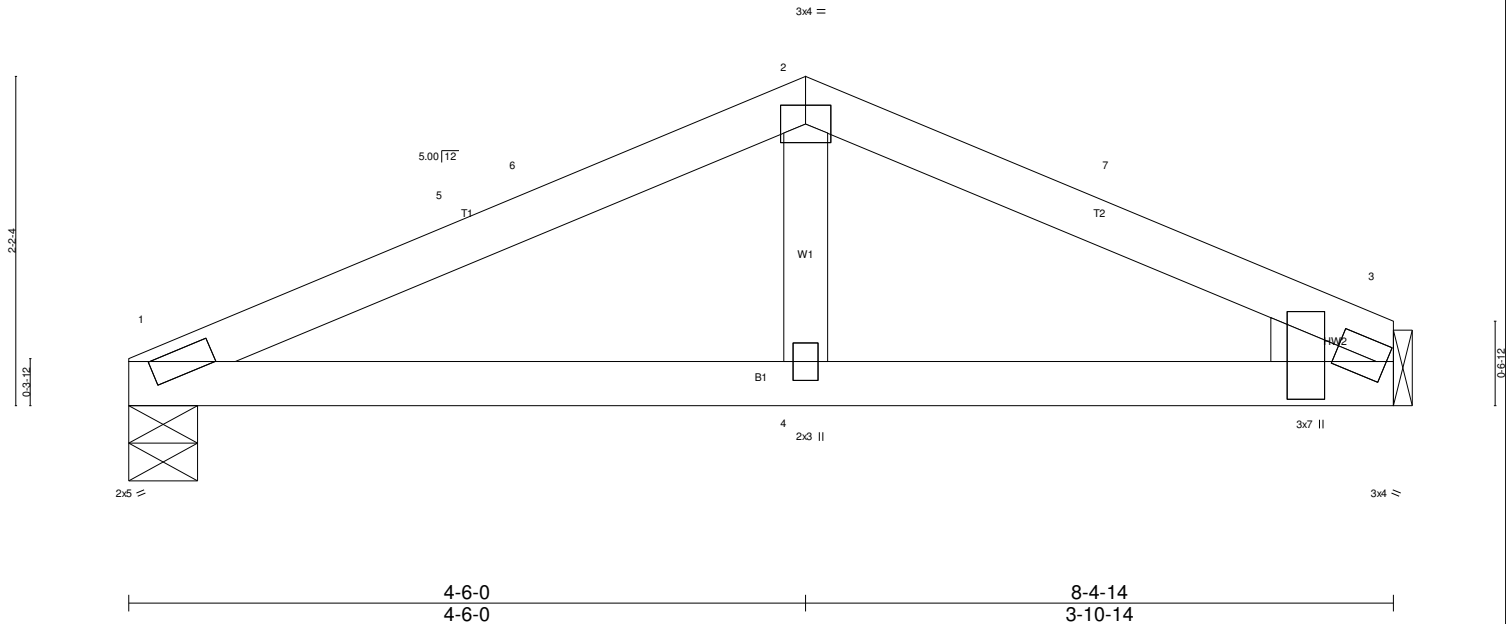


Plate Offsets (X,Y)-- [3:0-0-12,0-1-8], [3:0-3-0,0-4-2]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.72 BC 0.34 WB 0.08 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.02 1-4 >999 360 Vert(TL) -0.03 1-4 >999 240 Horz(TL) 0.01 3 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				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 Uplift 1=-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
CORE	S6	MONO TRUSS	3	1	

Job Reference (optional)

Universal Forest Products

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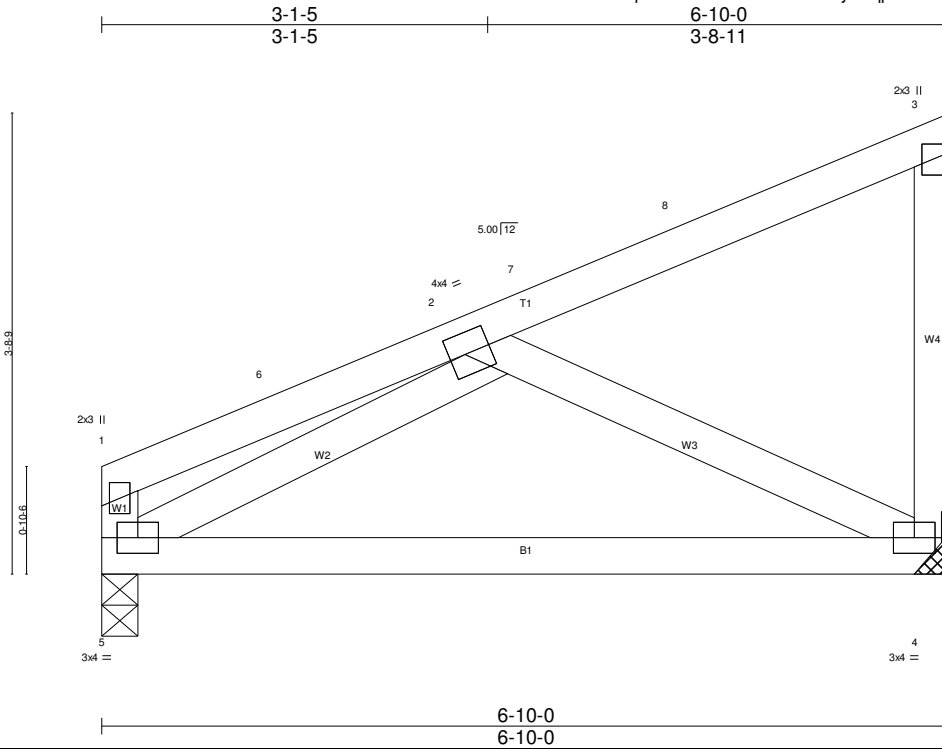


Plate Offsets (X,Y)-- [2:0-1-8,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.67 BC 0.53 WB 0.36 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.11 4-5 >715 360 Vert(TL) -0.27 4-5 >286 240 Horz(TL) 0.01 4 n/a n/a	MT20	197/144
TCDL 7.0				Weight: 29 lb	FT = 4%
BCLL 0.0					
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 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=778/Mechanical, 5=778/0-3-8
 Max Horz 5=152(LC 9)
 Max Uplift 4=-168(LC 9), 5=-76(LC 9)
 Max Grav 4=827(LC 2), 5=794(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-4=-366/87, 1-5=-313/52
 BOT CHORD 4-5=-240/836
 WEBS 2-4=-925/266, 2-5=-992/105

JOINT STRESS INDEX
 1 = 0.23, 2 = 0.40, 3 = 0.27, 4 = 0.57 and 5 = 0.56

- 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; 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) 5 except (jt=lb) 4=168.
 - 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: 4-5=-20, 1-3=-218
- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 4-5=-20, 1-7=-218, 3-7=-238
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 4-5=-20, 1-3=-162

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S17	SCISSORS	1	1	

Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:00 2016 Page 1
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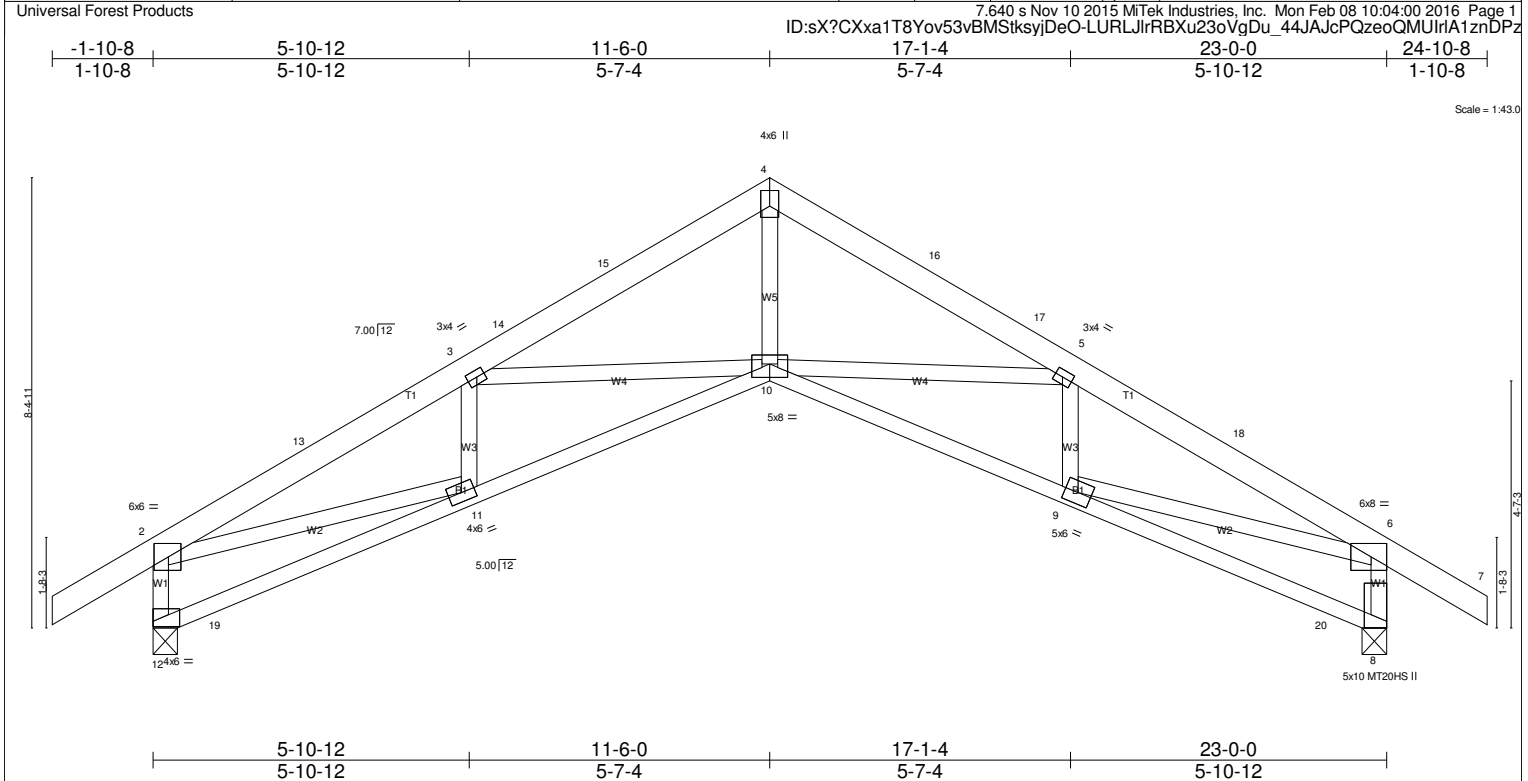


Plate Offsets (X,Y)-- [2:0-2-12,0-3-0], [3:0-1-12,0-1-8], [4:0-3-8,0-2-0], [5:0-1-12,0-1-8], [6:0-3-8,0-3-0], [10:0-4-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.63 BC 0.68 WB 0.89 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.21 9-10 >999 360 Vert(TL) -0.34 9-10 >803 240 Horz(TL) 0.34 8 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 121 lb	FT = 4%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-7-10 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 4-10-11 oc bracing.

REACTIONS. (lb/size) 12=1484/0-5-8, 8=1484/0-5-8
 Max Horz 12=565(LC 27)
 Max Uplift 12=910(LC 28), 8=910(LC 29)
 Max Grav 12=1833(LC 15), 8=1833(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-13=-3417/1341, 3-13=-2916/1031, 3-14=-3039/879, 14-15=-2675/625, 4-15=-2643/773, 4-16=-3054/1040, 16-17=-3110/1060,
 5-17=-3469/1310, 5-18=-3205/1320, 6-18=-3712/1636, 2-12=-1731/830, 6-8=-1842/941
 BOT CHORD 12-19=-1139/1497, 11-19=-1441/1516, 10-11=-1025/3082, 9-10=-462/2519, 9-20=-858/1053, 8-20=-557/923
 WEBS 3-11=-581/301, 3-10=-494/560, 4-10=-484/2221, 5-10=-637/680, 5-9=-646/366, 2-11=-909/2641, 6-9=-1163/2895

JOINT STRESS INDEX
 2 = 0.84, 3 = 0.60, 4 = 0.83, 5 = 0.60, 6 = 0.65, 8 = 0.51, 9 = 0.89, 10 = 0.87, 11 = 0.93 and 12 = 0.94

- 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) 12, 8 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) 12=910, 8=910.
 - 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 1-0-0, 22-0-0 to 23-0-0 for 1000.0 plf.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S20	MONO SCISSOR	4	1	

Universal Forest Products
 Job Reference (optional)
 7.640 s Nov 10 2015 M/Tek Industries, Inc. Mon Feb 08 10:04:01 2016 Page 1
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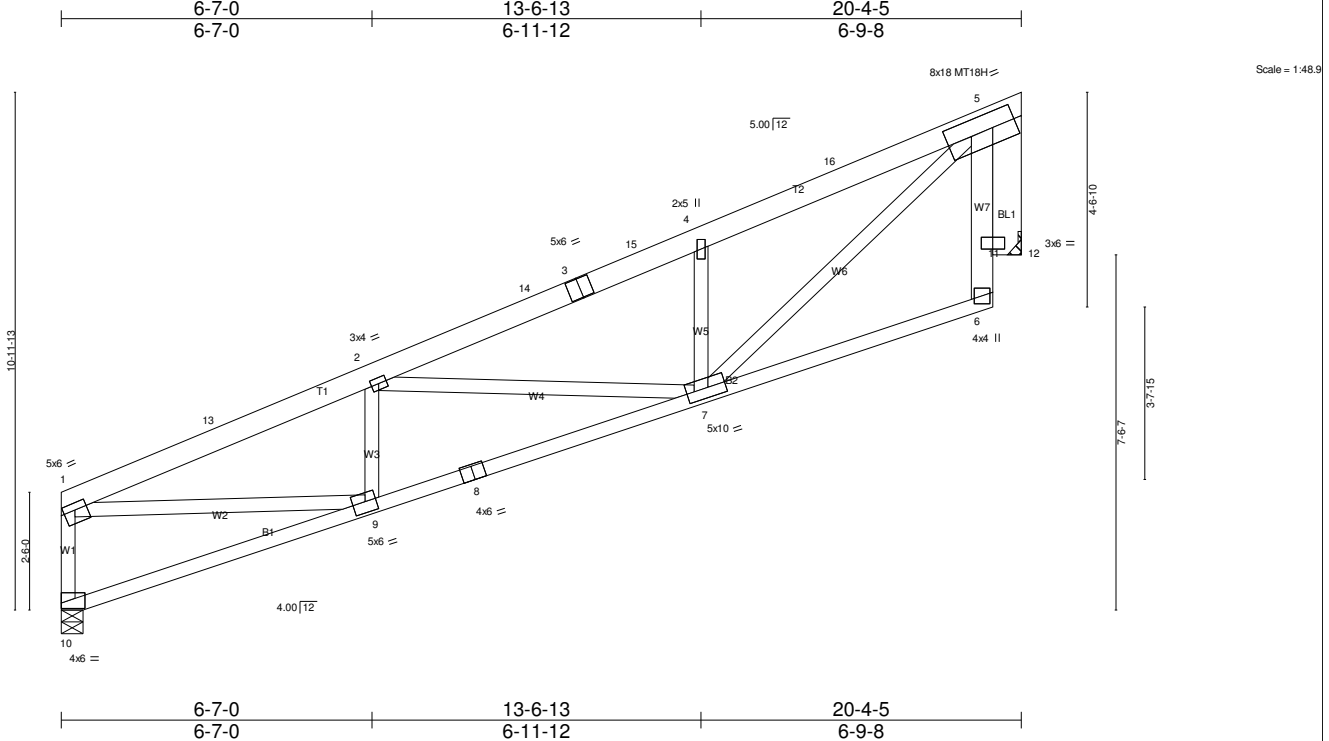


Plate Offsets (X,Y)-- [1:0-3-0-0-1-12], [5:0-6-4-0-4-0], [7:0-1-14-0-2-8], [9:0-2-12,0-2-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.92 BC 0.99 WB 1.00 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.23 7-9 >999 360 Vert(TL) -0.36 7-9 >673 240 Horz(TL) 0.07 12 n/a n/a	MT20 MT18H	197/144 197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 109 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF No.3 *Except*
 W7: 2x6 SPF No.2, W6,W2: 2x4 SPF No.2
 OTHERS 2x8 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-5-5 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 5-7-11 oc bracing.

REACTIONS. (lb/size) 10=1553/0-5-8, 12=1809/Mechanical
 Max Horz 10=491(LC 9)
 Max Uplift 10=240(LC 9), 12=482(LC 9)
 Max Grav 10=1624(LC 2), 12=2072(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-13=-3342/736, 2-13=-3213/748, 2-14=-3288/595, 3-14=-3094/595, 3-15=-3039/597, 4-15=-2909/606, 4-16=-3360/749, 5-16=-3094/766,
 6-11=-11/279, 5-11=-11/279, 1-10=-1598/428
 BOT CHORD 9-10=-518/161, 8-9=-1095/3127, 7-8=-1076/3158, 6-7=-113/647
 WEBS 2-9=-868/265, 2-7=-363/298, 4-7=-1326/367, 5-7=-892/3182, 1-9=-545/2841

JOINT STRESS INDEX
 1 = 0.98, 2 = 0.64, 3 = 0.75, 4 = 0.49, 5 = 0.74, 6 = 0.84, 7 = 0.94, 8 = 0.91, 9 = 0.93, 10 = 0.84, 11 = 0.00 and 12 = 0.17

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) 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) 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) 10=240, 12=482.
 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 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: 6-10=-20
 Trapezoidal Loads (plf)
 Vert: 1=-94-to-5=-213
 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 6-10=-20
 Trapezoidal Loads (plf)
 Vert: 1=-94-to-15=-169, 15=-215-to-5=-260
 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S20	MONO SCISSOR	4	1	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:01 2016 Page 2
 ID:?LxUgOXOX9wttMUwoabOMZzhwva-qg_jW5s3yq0vgy4tmcWJdXjPpohLNDqVjybliUznDPy

LOAD CASE(S) Standard
 Uniform Loads (plf)
 Vert: 6-10--20
 Trapezoidal Loads (plf)
 Vert: 1=-38-to-5=-157

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S20A	SPECIAL	8	1	

Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:01 2016 Page 1
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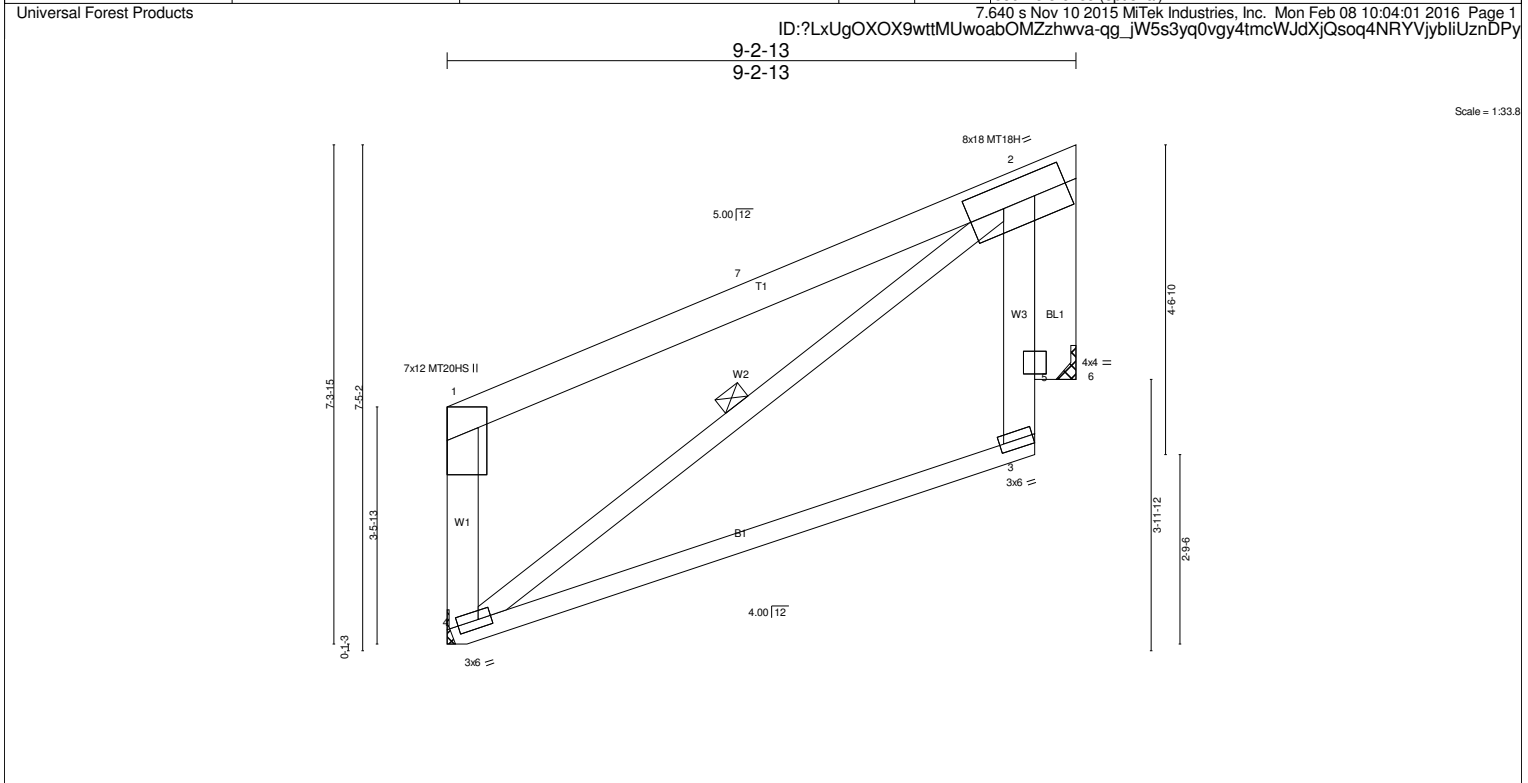


Plate Offsets (X,Y)-- [2:0-6-4,0-4-0], [3:Edge,0-1-8], [4:0-2-4,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.85 BC 0.44 WB 0.13 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.07 3-4 >999 360 Vert(TL) -0.17 3-4 >628 240 Horz(TL) 0.03 6 n/a n/a	MT20 MT20HS MT18H Weight: 59 lb	197/144 148/108 197/144 FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x6 SPF No.2 *Except* W2: 2x4 SPF No.3 OTHERS 2x8 SPF No.2	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 2-4

REACTIONS. (lb/size) 4=679/Mechanical, 6=712/Mechanical
 Max Horz 4=262(LC 9)
 Max Uplift 4=-52(LC 9), 6=-252(LC 9)
 Max Grav 4=707(LC 2), 6=780(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-7=-462/214, 2-7=-255/227, 1-4=-626/266
 BOT CHORD 3-4=-104/455

JOINT STRESS INDEX
 1 = 0.82, 2 = 0.96, 3 = 0.83, 4 = 0.70, 5 = 0.00 and 5 = 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 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 100 lb uplift at joint(s) 4 except (jt=lb) 6=252.
 - 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: 3-4=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-2=-207
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 3-4=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-7=-154, 7=-179-to-2=-231
3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 3-4=-20
Trapezoidal Loads (plf)
Vert: 1=-38-to-2=-151

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S20B	SPECIAL	2	1	

Job Reference (optional)

Universal Forest Products

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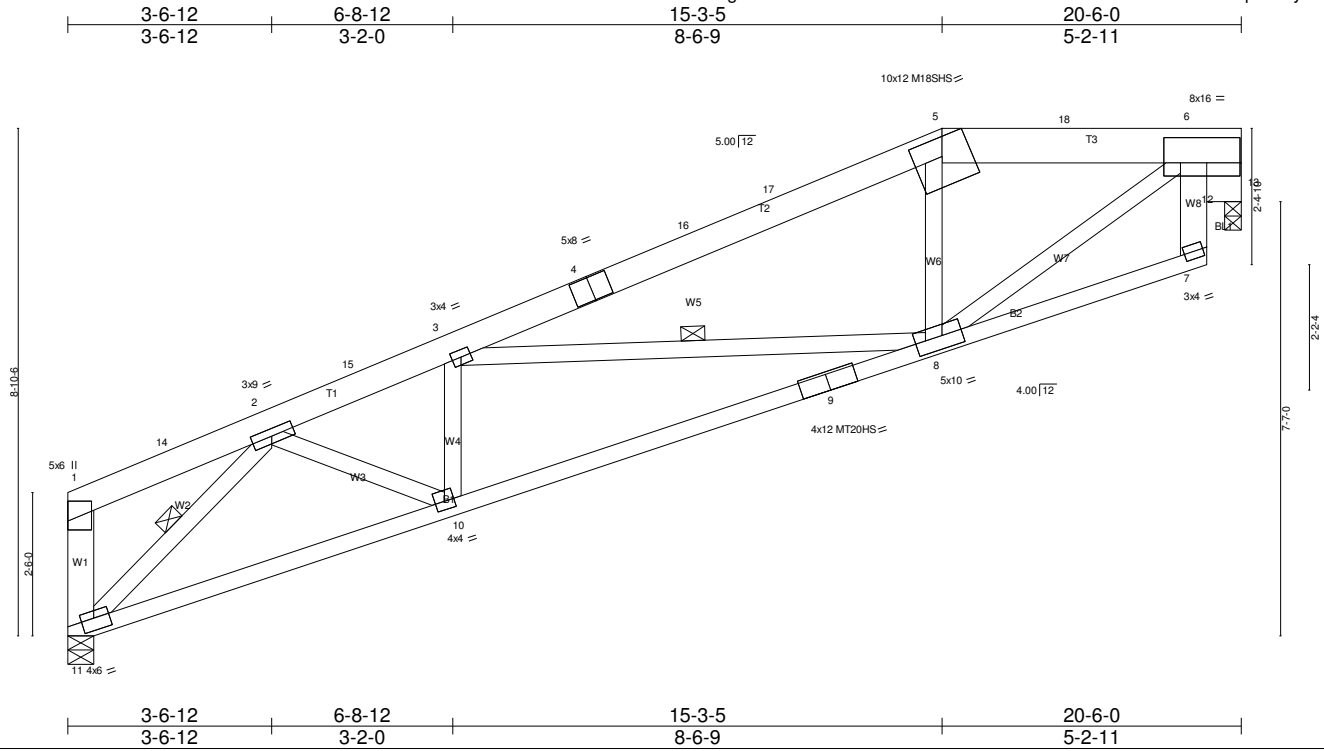


Plate Offsets (X,Y)-- [1:Edge,0-2-12], [2:0-4-4,0-1-8], [5:0-6-0,0-3-15], [6:0-3-8,0-5-4], [8:0-2-2,0-2-12], [10:0-2-0,0-1-12], [11:0-2-12,0-2-8]

LOADING (psf)	SPACING	CSI	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.88 BC 0.60 WB 0.75 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.20 8-10 >999 360 Vert(TL) -0.35 8-10 >681 240 Horz(TL) 0.08 13 n/a n/a	MT20 MT20HS M18SHS Weight: 105 lb	197/144 148/108 197/144 FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF 2100F 1.8E *Except* T3: 2x8 SPF No.2, T1: 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-9-14 oc purlins, except end verticals.
BOT CHORD 2x4 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 7-9-9 oc bracing.
WEBS 2x4 SPF No.3 *Except* W8,W1: 2x6 SPF No.2, W7: 2x4 SPF No.2	WEBS 1 Row at midpt 2-11, 3-8
OTHERS 2x8 SPF No.2	

REACTIONS. (lb/size) 11=1557/0-5-8, 13=1814/0-3-8
 Max Horz 11=388(LC 9)
 Max Uplift 11=290(LC 9), 13=434(LC 9)
 Max Grav 11=2048(LC 15), 13=1917(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-14=-394/135, 2-15=-3963/785, 3-15=-3767/795, 3-4=-3261/568, 4-16=-2938/573, 16-17=-2928/574, 5-17=-2803/588, 5-18=-2733/639,
 6-18=-2737/639, 7-12=-33/275, 6-12=-33/275, 1-11=-522/163
 BOT CHORD 10-11=-796/2339, 9-10=-1021/3875, 8-9=-997/3903, 7-8=-138/729
 WEBS 2-10=-230/1631, 5-8=-497/176, 6-8=-613/2682, 2-11=-2959/541, 3-10=-1047/251, 3-8=-960/359

JOINT STRESS INDEX
 1 = 1.00, 2 = 0.94, 3 = 0.64, 4 = 0.86, 5 = 1.00, 6 = 0.82, 7 = 0.79, 8 = 0.91, 9 = 0.65, 10 = 0.82, 11 = 0.92 and 12 = 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 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) Attach ribbon block to truss with 3-10d nails applied to flat face.
 - 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) 11, 13 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) 11=290, 13=434.
 - 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, 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: 7-11=20
 Trapezoidal Loads (plf)
 Vert: 1=94-to-5=186, 5=186-to-6=213
- 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=94-to-17=169, 17=178-to-5=195, 5=130-to-6=157

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S20B	SPECIAL	2	1	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:02 2016 Page 2
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LOAD CASE(S) Standard

- 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=-38-to-5=-130, 5=-214-to-6=-241
- 14) 3rd Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 7-11=-20
 - Trapezoidal Loads (plf)
 - Vert: 1=-38-to-5=-130, 5=-242-to-6=-269
- 15) 4th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 7-11=-20
 - Trapezoidal Loads (plf)
 - Vert: 1=-150-to-5=-242, 5=-130-to-6=-157

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25	Scissor	16	1	

Job Reference (optional)
7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:03 2016 Page 1

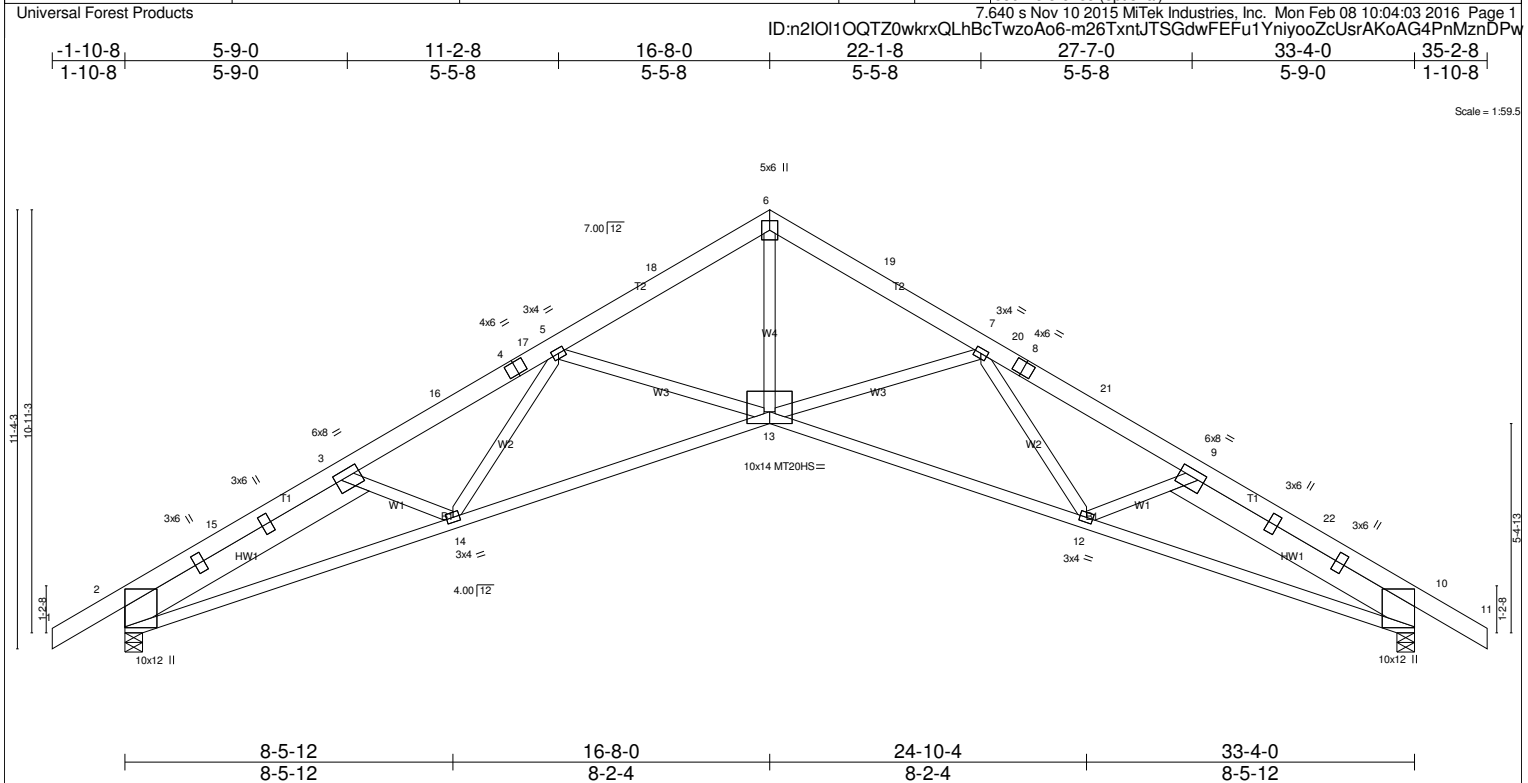


Plate Offsets (X,Y)-- [3:0-4-0,0-2-4], [9:0-4-0,0-2-4], [13:0-7-0,0-3-11]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.71 BC 0.54 WB 0.81 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.42 13 >956 360 Vert(TL) -0.76 13-14 >523 240 Horz(TL) 0.69 10 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0				Weight: 189 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF 2100F 1.8E
WEBS 2x4 SPF No.3 *Except*
W4: 2x4 SPF No.2
SLIDER Left 2x8 SPF No.2 7-2-10, Right 2x8 SPF No.2 7-2-10

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-9-11 oc bracing.

REACTIONS. (lb/size) 2=2162/0-5-8, 10=2162/0-5-8
Max Horz 2=-354(LC 6)
Max Uplift 2=-455(LC 8), 10=-455(LC 9)
Max Grav 2=2462(LC 19), 10=2462(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
2-15=-5627/877, 3-15=-5466/891, 3-16=-5341/814, 4-16=-5140/815, 4-17=-5052/824, 5-17=-5026/827, 5-18=-4408/601, 6-18=-4258/613,
6-19=-4258/613, 7-19=-4408/601, 7-20=-5026/815, 8-20=-5052/813, 8-21=-5140/803, 9-21=-5341/802, 9-22=-5466/870, 10-22=-5627/857
BOT CHORD 2-14=-792/4621, 13-14=-622/4732, 12-13=-477/4732, 10-12=-623/4621
WEBS 6-13=-446/3597, 7-13=-1005/384, 7-12=-86/286, 9-12=-37/314, 5-13=-1005/369, 5-14=-59/286, 3-14=-14/314

JOINT STRESS INDEX
2 = 0.92, 3 = 0.81, 3 = 0.87, 3 = 0.87, 4 = 0.61, 5 = 0.69, 6 = 0.85, 7 = 0.69, 8 = 0.61, 9 = 0.81, 9 = 0.87, 9 = 0.87, 10 = 0.91, 12 = 0.62, 13 = 0.90 and 14 = 0.62

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 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) 2, 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) 2=455, 10=455.
 - 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, concurrent with live and dead loads.
 - 12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

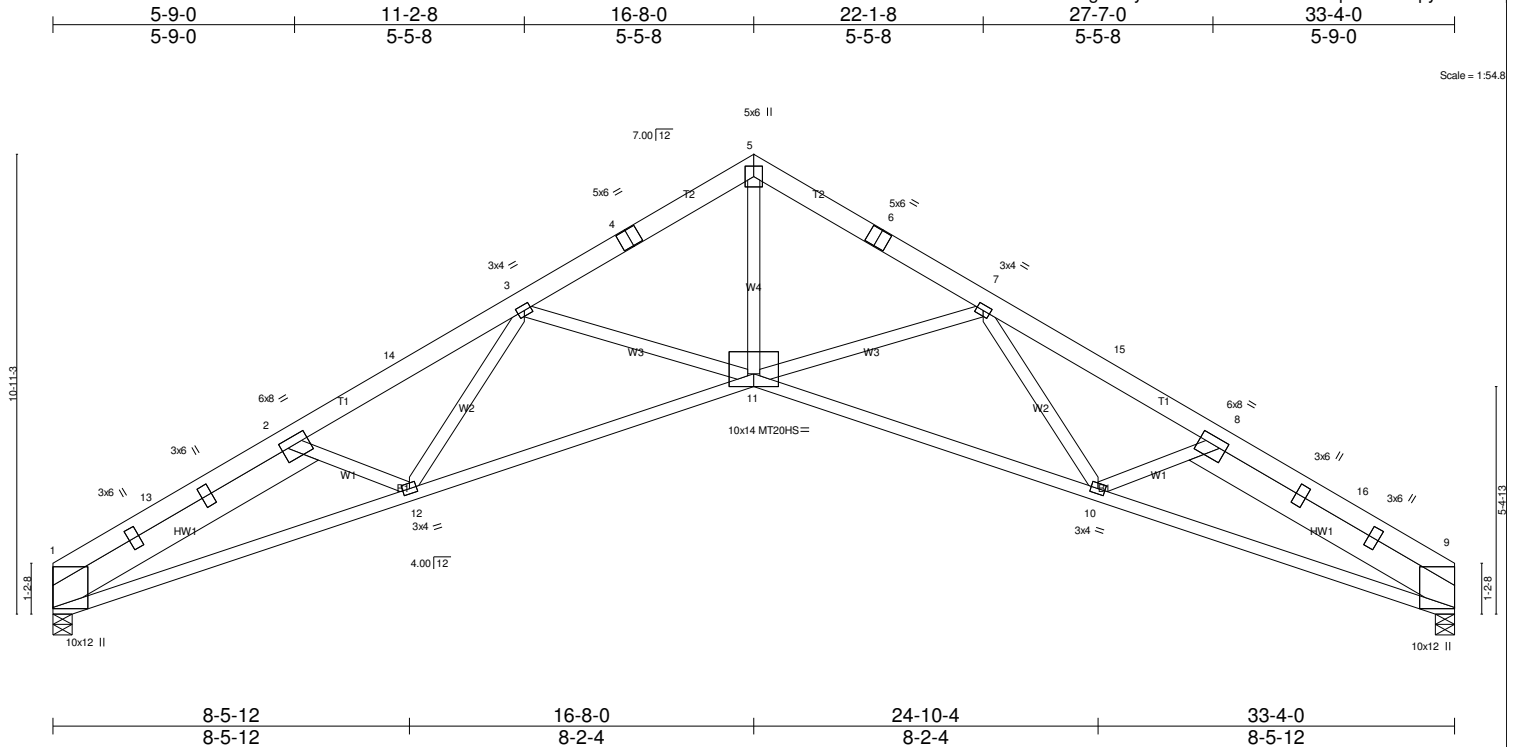
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25A	Scissor	3	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:04 2016 Page 1
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Scale = 1.54:8

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.71 BC 0.55 WB 0.82 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.42 11 >940 360 Vert(TL) -0.77 11-12 >517 240 Horz(TL) 0.70 9 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0				Weight: 181 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD 2x4 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 8-6-8 oc bracing.
WEBS 2x4 SPF No.3 *Except*	
W4: 2x4 SPF No.2	
SLIDER Left 2x8 SPF No.2 7-2-10, Right 2x8 SPF No.2 7-2-10	

REACTIONS. (lb/size) 1=1967/0-5-8, 9=1967/0-5-8
 Max Horz 1=-353(LC 6)
 Max Uplift 1=-348(LC 8), 9=-348(LC 9)
 Max Grav 1=2267(LC 18), 9=2267(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-13=-5680/920, 2-13=-5551/935, 2-14=-5415/856, 3-14=-5214/869, 3-4=-4450/639, 4-5=-4302/652, 5-6=-4302/652, 6-7=-4450/639,
 7-15=-5214/869, 8-15=-5415/856, 8-16=-5551/929, 9-16=-5680/915
 BOT CHORD 1-12=-844/4711, 11-12=-654/4785, 10-11=-531/4785, 9-10=-695/4711
 WEBS 5-11=-481/3639, 7-11=-1018/391, 7-10=-89/294, 8-10=-38/297, 3-11=-1018/376, 3-12=-43/294, 2-12=-38/297

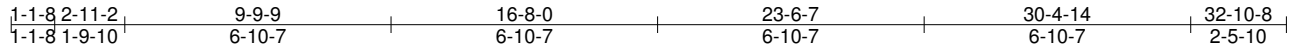
JOINT STRESS INDEX
 1 = 0.92, 2 = 0.82, 2 = 0.89, 2 = 0.89, 3 = 0.69, 4 = 0.87, 5 = 0.86, 6 = 0.87, 7 = 0.69, 8 = 0.82, 8 = 0.89, 8 = 0.89, 9 = 0.92, 10 = 0.62, 11 = 0.91 and 12 = 0.62

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=348, 9=348.
 - 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, concurrent with live and dead loads.
 - 11) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25B	Roof Special	1	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:05 2016 Page 1
 ID:n2IO1I OQTZ0wkrxQLhBcT wzoAo6-iREDMSva?3WL9ZNe?RaFnNt5BQ6J2u5eaZWfzrDPU



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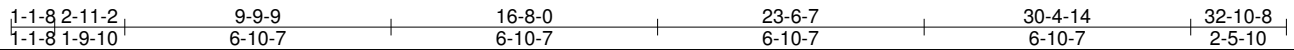
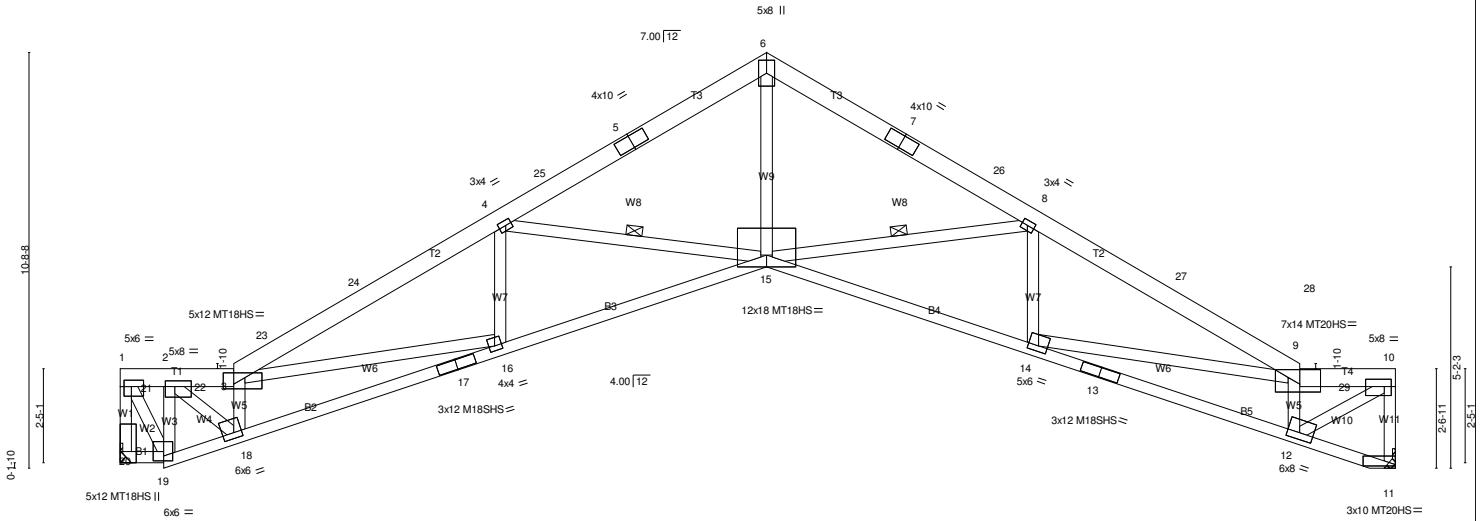


Plate Offsets (X,Y)--	[1:0-2-4,0-2-0], [2:0-3-0,0-1-12], [3:0-3-4,0-3-8], [4:0-1-12,0-1-8], [8:0-1-12,0-1-8], [9:0-6-8,0-4-8], [10:0-2-4,0-2-4], [11:0-0-0,0-0-6], [12:0-3-12,0-2-0], [14:0-2-12,0-1-12], [15:0-9-0,0-3-11], [16:0-1-12,0-1-8], [18:0-2-8,0-1-12], [19:0-3-4,0-1-8]
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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	Plate Grip DOL 2-0-0 Lumber DOL 1.15	TC 0.96 BC 0.74 WB 0.94 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.58 15 >679 360 Vert(TL) -0.83 15-16 >472 240 Horz(TL) -0.70 20 n/a n/a	MT20 MT20HS M18SHS M18SHS Weight 66 lb	197/144 148/108 197/144 197/144 144%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 *Except* T2: 2x6 SPF 2100F 1.8E BOT CHORD 2x4 SPF 2100F 1.8E *Except* B1: 2x4 SPF No.2 WEBS 2x4 SPF No.3 *Except* W2: 2x4 SPF No.2, W4,W9,W10: 2x4 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied, except end verticals. BOT CHORD Rigid ceiling directly applied or 8-9-0 oc bracing. WEBS 1 Row at midpt 4-15, 8-15

REACTIONS. (lb/size) 20=1934/Mechanical, 11=1934/Mechanical
 Max Horz 11=267(LC 6)
 Max Uplift 20=344(LC 8), 11=341(LC 9)
 Max Grav 20=2699(LC 19), 11=2748(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-20=-2579/382, 1-21=-1159/163, 2-21=-1159/163, 2-22=-4945/665, 3-22=-4944/665, 3-23=-7383/901, 23-24=-7190/909, 4-24=-7149/926, 4-25=-5935/700, 5-25=-5650/711, 5-6=-5621/726, 6-7=-5621/726, 7-26=-5650/711, 8-26=-5934/699, 8-27=-6968/900, 27-28=-7201/883, 9-28=-7260/871, 9-29=-4287/573, 10-29=-4289/573, 10-11=-2725/385
 BOT CHORD 18-19=-196/1427, 17-18=-652/4819, 16-17=-633/4843, 15-16=-759/6547, 14-15=-812/6382, 13-14=-639/4167, 12-13=-658/4144, 11-12=-282/287
 WEBS 1-19=-363/2584, 2-19=-2861/396, 2-18=-622/4705, 3-18=-4071/609, 3-16=-123/1626, 4-15=-1352/426, 6-15=-516/4612, 8-15=-1194/389, 8-14=-354/169, 9-14=-169/2113, 9-12=-3873/584, 10-12=-667/5011

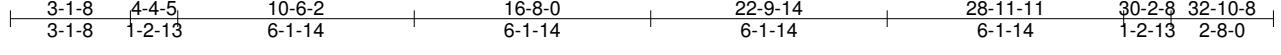
JOINT STRESS INDEX
 1 = 0.95, 2 = 0.96, 3 = 0.99, 4 = 0.60, 5 = 0.98, 6 = 0.84, 7 = 0.99, 8 = 0.60, 9 = 0.92, 10 = 0.95, 11 = 0.85, 12 = 0.94, 13 = 0.62, 14 = 0.63, 15 = 0.98, 16 = 0.73, 17 = 0.72, 18 = 0.98, 19 = 0.96 and 20 = 0.80

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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) The Fabrication Tolerance at joint 15 = 0%
 - 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) 20=344, 11=341.
 - 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, concurrent with live and dead loads.
 - 13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25C	Roof Special	1	1	Job Reference (optional)

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:07 2016 Page 1
 ID:n2IOH1OQTZ0wkrxQLhBcT1wzoAo6-eqM_n8wqXgm2OIX07scjsozQADpdxsN5u2dw7znDPs



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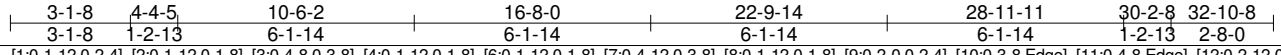
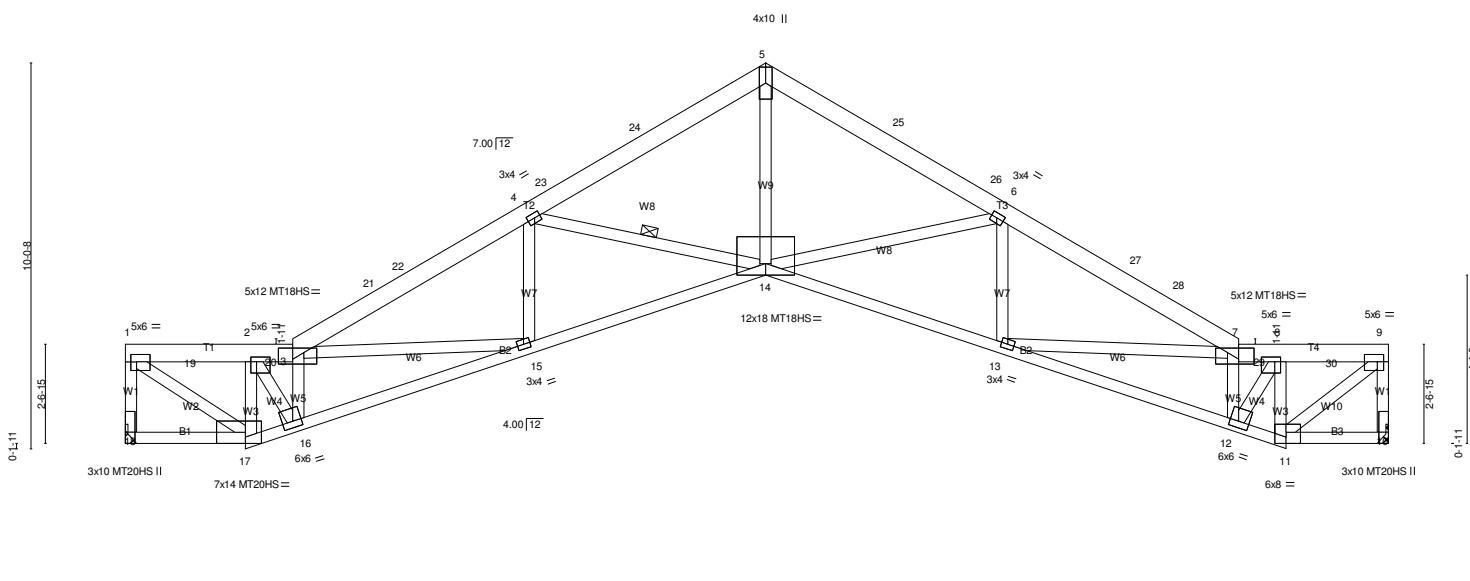


Plate Offsets (X,Y)-- [1:0-1-12,0-2-4], [2:0-1-12,0-1-8], [3:0-4-8,0-3-8], [4:0-1-12,0-1-8], [6:0-1-12,0-1-8], [7:0-4-12,0-3-8], [8:0-1-12,0-1-8], [9:0-2-0,0-2-4], [10:0-3-8,Edge], [11:0-4-8,Edge], [12:0-2-12,0-2-0], [14:0-9-0,0-3-11], [16:0-2-12,0-2-0], [17:0-9-0,Edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	Plate Grip DOL 2-0-0	TC 0.99	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.68	Vert(LL) -0.58 14 >675 360	MT20HS	148/108
BCLL 0.0	Rep Stress Incr YES	WB 0.97	Vert(TL) -0.81 14-15 >480 240	MT18HS	197/144
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) -0.54 18 n/a n/a	Weight: 170 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2 *Except*
 T2: 2x6 SPF 2100F 1.8E
 BOT CHORD 2x4 SPF No.2 *Except*
 B2: 2x4 SPF 2100F 1.8E
 WEBS 2x4 SPF No.3 *Except*
 W2,W4,W10: 2x4 SPF No.2, W9: 2x4 SPF 2100F 1.8E

BRACING-
 TOP CHORD Structural wood sheathing directly applied, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-11-13 oc bracing.
 WEBS 1 Row at midpt 4-14

REACTIONS. (lb/size) 18=1934/Mechanical, 10=1934/Mechanical
 Max Horz 10=239(LC 6)
 Max Uplift 18=348(LC 8), 10=345(LC 9)
 Max Grav 18=2519(LC 19), 10=2563(LC 19)

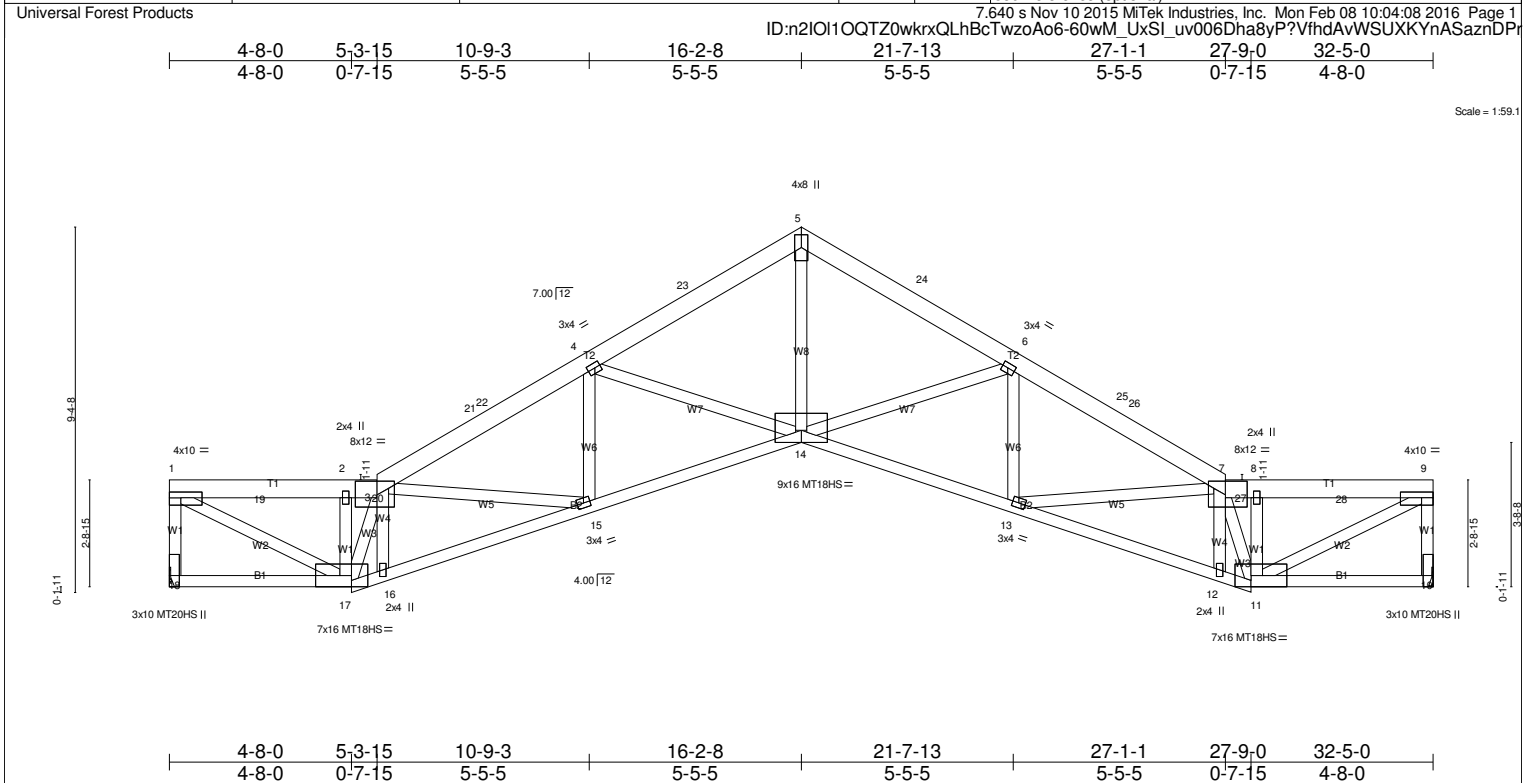
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-18=-2474/406, 1-19=-3184/467, 2-19=-3184/467, 2-20=-5374/755, 3-20=-5373/755, 3-21=-7028/907,
 21-22=-6861/908, 4-22=-6819/924, 4-23=-5749/730, 23-24=-5490/741, 5-24=-5470/754, 5-25=-5470/754,
 25-26=-5705/741, 6-26=-5750/728, 6-27=-6681/902, 27-28=-6720/887, 7-28=-6891/884, 7-29=-4962/693,
 8-29=-4963/693, 8-30=-2763/400, 9-30=-2763/400, 9-10=-2521/402
 BOT CHORD 16-17=-514/3529, 15-16=-761/5387, 14-15=-765/6242, 13-14=-774/6114, 12-13=-725/4956,
 11-12=-488/3090
 WEBS 1-17=-580/3951, 2-17=-3317/497, 2-16=-464/3594, 3-16=-3709/543, 3-15=-68/816, 4-14=-1215/374,
 5-14=-565/4564, 6-14=-1090/335, 7-13=-46/1102, 7-12=-3706/551, 8-12=-475/3623, 8-11=-3269/479,
 9-11=-531/3665

JOINT STRESS INDEX
 1 = 0.93, 2 = 0.95, 3 = 0.95, 4 = 0.60, 5 = 0.99, 6 = 0.60, 7 = 0.95, 8 = 0.96, 9 = 0.94, 10 = 0.93, 11 = 0.98, 12 = 0.96, 13 = 0.81, 14 = 0.93, 15 = 0.62, 16 = 0.95, 17 = 0.77 and 18 = 0.87

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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) 18=348, 10=345.
 - 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, concurrent with live and dead loads.
 - 12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25D	Roof Special	1	1	



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.75 BC 0.61 WB 0.69 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.53 14 >731 360 Vert(TL) -0.74 13-14 >520 240 Horz(TL) 0.39 10 n/a n/a	MT20 MT20HS MT18HS	197/144 148/108 197/144
TCDL 7.0	Rep Stress Incr YES			Weight: 170 lb	FT = 4%
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0					

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x4 SPF No.2 *Except*
 B2: 2x4 SPF 2100F 1.8E
 WEBS 2x4 SPF No.3 *Except*
 W2,W8: 2x4 SPF 2100F 1.8E

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 9-0-8 oc bracing.

REACTIONS. (lb/size) 18=1907/Mechanical, 10=1907/Mechanical
 Max Horz 18=211(LC 6)
 Max Uplift 18=344(LC 8), 10=344(LC 9)
 Max Grav 18=2345(LC 19), 10=2345(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-18=2290/410, 1-19=4075/625, 2-19=4075/625, 2-20=4079/628, 3-20=4077/629, 3-21=6388/869, 21-22=6202/871, 4-22=6176/882,
 4-23=5386/746, 5-23=5140/757, 5-24=5140/757, 6-24=5386/746, 6-25=6176/882, 25-26=6202/871, 7-26=6388/869, 7-27=4077/629,
 8-27=4078/628, 8-28=4075/625, 9-28=4075/625, 9-10=2290/410
 BOT CHORD 16-17=735/4984, 15-16=764/5162, 14-15=734/5670, 13-14=734/5670, 12-13=764/5162, 11-12=735/4984
 WEBS 1-17=705/4591, 2-17=884/198, 3-17=2720/327, 3-16=885/176, 3-15=214/488, 4-14=981/292, 5-14=590/4336, 6-14=981/313,
 7-13=214/488, 7-12=885/176, 7-11=2720/327, 8-11=885/203, 9-11=705/4591

JOINT STRESS INDEX
 1 = 0.86, 2 = 0.38, 3 = 1.00, 4 = 0.60, 5 = 0.94, 6 = 0.60, 7 = 1.00, 8 = 0.38, 9 = 0.86, 10 = 0.70, 11 = 0.85, 12 = 0.38, 13 = 0.62, 14 = 0.88, 15 = 0.62, 16 = 0.38, 17 = 0.85 and 18 = 0.70

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 metal plate or equivalent at bearing(s) 18, 10 to support reaction shown.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=344, 10=344.
 - 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, concurrent with live and dead loads.
 - 13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25E	Roof Special	1	1	

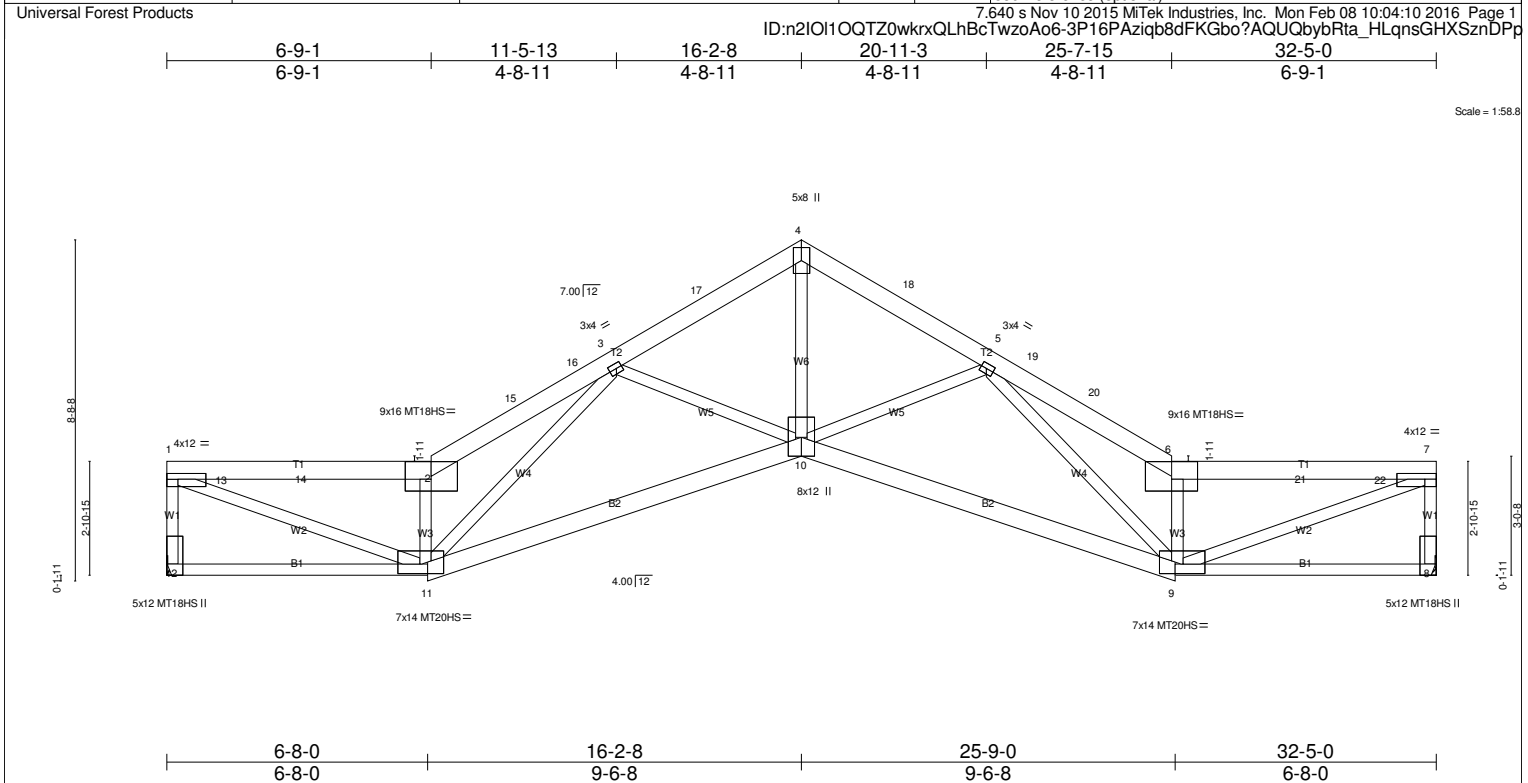


Plate Offsets (X,Y)--	[1:Edge,0-1-12], [2:0-8-0-0-4-9], [3:0-1-12,0-1-8], [5:0-1-12,0-1-8], [6:0-8-0-0-4-9], [7:Edge,0-1-12], [8:0-3-8,Edge], [9:0-8-8,0-3-8], [10:0-5-13,0-4-0], [11:0-8-8,0-3-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.85 BC 0.54 WB 0.99 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.57 10 >681 360 Vert(TL) -0.81 9-10 >479 240 Horz(TL) 0.23 8 n/a n/a	MT20 MT20HS MT18HS Weight: 173 lb	197/144 148/108 197/144 FT = 4%
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x6 SPF 2100F 1.8E *Except* T2: 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-0-7 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2 *Except* B2: 2x6 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W1: 2x4 SPF No.2, W2,W6: 2x4 SPF 2100F 1.8E	

REACTIONS. (lb/size) 12=2260/Mechanical, 8=2260/Mechanical
 Max Horz 12=184(LC 6)
 Max Uplift 12=346(LC 8), 8=346(LC 9)
 Max Grav 12=2560(LC 20), 8=2560(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-12=2485/424, 1-13=5565/764, 13-14=5564/765, 2-14=5564/765, 2-15=6765/979, 15-16=6582/980, 3-16=6399/990, 3-17=5884/764, 4-17=5637/774, 4-18=5637/774, 5-18=5884/764, 5-19=6511/1006, 19-20=6694/996, 6-20=6877/995, 6-21=5657/778, 21-22=5657/777, 7-22=5658/777, 7-8=2485/424
 BOT CHORD 10-11=785/6088, 9-10=788/6115
 WEBS 1-11=807/5900, 2-11=3961/688, 3-11=206/870, 3-10=1006/298, 4-10=629/4873, 5-10=1038/321, 5-9=130/934, 6-9=4009/695, 7-9=819/5985

JOINT STRESS INDEX
 1 = 0.89, 2 = 0.73, 3 = 0.81, 4 = 0.89, 5 = 0.86, 6 = 0.74, 7 = 0.89, 8 = 0.76, 9 = 0.95, 10 = 0.92, 11 = 0.94 and 12 = 0.76

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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=346, 8=346.
 - 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, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32 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, concurrent with live and dead loads.
 - 13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-121, 2-16=-121, 4-16=-172, 4-6=-61, 6-7=-61, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25E	Roof Special	1	1	

Job Reference (optional)

Universal Forest Products

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 ID:n2IO1tOQTZ0wkrxQLhBcTwwzoAo6-3P16PAziqb8dFKGbo?AQUQybyRta_HLqnsGHXSznDPp

LOAD CASE(S) Standard

- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-61, 2-4=-61, 4-19=-172, 6-19=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 12) 3rd Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-13=-121, 2-13=-145, 2-4=-61, 4-19=-121, 6-19=-139, 6-7=-61, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 13) 4th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-61, 2-16=-121, 4-16=-172, 4-6=-61, 6-7=-61, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 14) 5th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-169, 2-4=-61, 4-6=-61, 6-7=-61, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 15) 6th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-61, 2-16=-139, 4-16=-121, 4-6=-61, 6-22=-145, 7-22=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 16) 7th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-61, 2-4=-61, 4-19=-172, 6-19=-121, 6-7=-61, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 17) 8th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-61, 2-4=-61, 4-6=-61, 6-7=-169, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 18) 9th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-189, 2-4=-61, 4-6=-61, 6-7=-189, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 19) 10th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-61, 2-4=-189, 4-6=-189, 6-7=-61, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 20) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
 Concentrated Loads (lb)
 Vert: 1=300
- 21) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
 Concentrated Loads (lb)
 Vert: 14=300
- 22) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
 Concentrated Loads (lb)
 Vert: 15=300
- 23) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
 Concentrated Loads (lb)
 Vert: 17=300
- 24) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
 Concentrated Loads (lb)
 Vert: 18=300
- 25) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
 Concentrated Loads (lb)
 Vert: 20=300
- 26) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
 Concentrated Loads (lb)
 Vert: 21=300
- 27) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
 Concentrated Loads (lb)
 Vert: 7=300
- 28) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
 Concentrated Loads (lb)
 Vert: 2=300
- 29) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
 Concentrated Loads (lb)
 Vert: 3=300
- 30) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
 Concentrated Loads (lb)
 Vert: 4=300
- 31) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
 Concentrated Loads (lb)
 Vert: 5=300
- 32) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-121, 2-4=-121, 4-6=-121, 6-7=-121, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
 Concentrated Loads (lb)
 Vert: 6=300

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25F	Roof Special	1	1	

Job Reference (optional)
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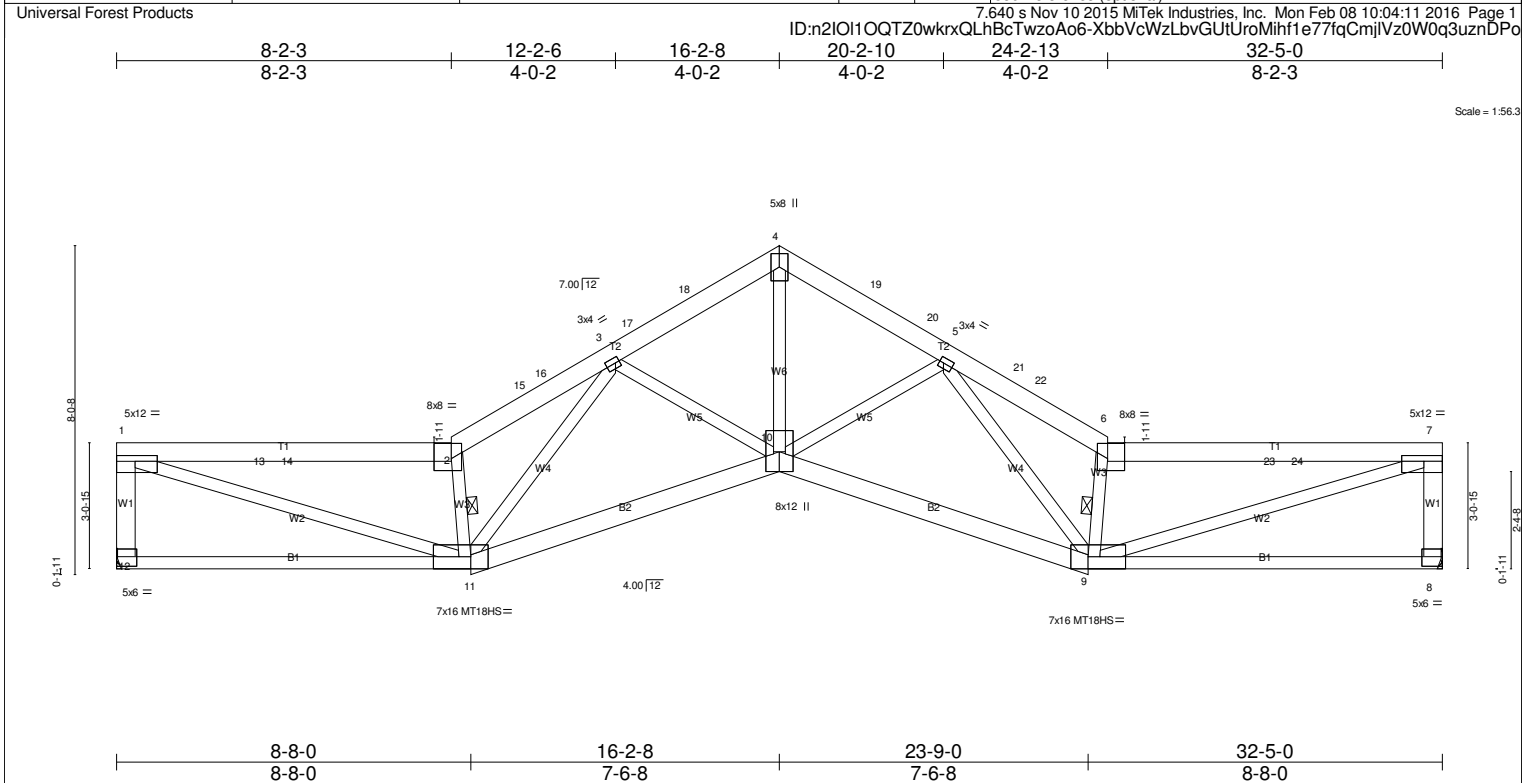


Plate Offsets (X,Y)-- [1:Edge,0-1-12], [2:0-5-0-0-4-8], [3:0-1-4-0-1-8], [5:0-1-4-0-1-8], [6:0-5-0-0-4-8], [7:Edge,0-1-12], [8:Edge,0-2-12], [9:0-11-0,Edge], [10:0-5-13,0-4-0], [11:0-11-0,Edge], [12:0-0-0-2-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.89 BC 0.54 WB 0.93 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.63 10 >607 360 Vert(TL) -0.86 9-10 >448 240 Horz(TL) 0.16 8 n/a n/a	MT20 MT18HS	197/144 197/144
TCDL 7.0	Rep Stress Incr NO			Weight: 183 lb	FT = 4%
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0					

LUMBER-
 TOP CHORD 2x6 SPF No.2 *Except*
 T1: 2x6 SP 2400F 2.0E
 BOT CHORD 2x4 SPF No.2 *Except*
 B2: 2x6 SPF 2100F 1.8E
 WEBS 2x4 SPF No.3 *Except*
 W1: 2x6 SPF No.2, W2,W6: 2x4 SPF 2100F 1.8E

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

REACTIONS. (lb/size) 12=2424/Mechanical, 8=2424/Mechanical
 Max Horz 12=156(LC 7)
 Max Uplift 12=347(LC 8), 8=347(LC 9)
 Max Grav 12=2724(LC 20), 8=2724(LC 27)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-12=2629/439, 1-13=6506/906, 13-14=6504/906, 2-14=6503/906, 2-15=6886/972, 15-16=6721/972, 3-16=6668/981, 3-17=5807/771, 17-18=5605/778, 4-18=5590/787, 4-19=5590/787, 19-20=5605/778, 5-20=5807/771, 5-21=6668/981, 21-22=6722/972, 6-22=6886/972, 6-23=6503/906, 23-24=6504/906, 7-24=6506/906, 7-8=2629/439
 BOT CHORD 11-12=162/287, 10-11=765/5933, 9-10=765/5933, 8-9=32/287
 WEBS 1-11=917/6646, 2-11=4327/708, 3-10=1043/249, 4-10=659/4888, 5-10=1043/266, 6-9=4327/708, 7-9=917/6646, 3-11=197/1132, 5-9=141/1132

JOINT STRESS INDEX
 1 = 0.98, 2 = 1.00, 3 = 0.84, 4 = 0.89, 5 = 0.84, 6 = 1.00, 7 = 0.98, 8 = 0.89, 9 = 0.81, 10 = 0.90, 11 = 0.81 and 12 = 0.89

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 metal plate or equivalent at bearing(s) 12, 8 to support reaction shown.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 12=347, 8=347.
 - 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, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32 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, concurrent with live and dead loads.
 - 14) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

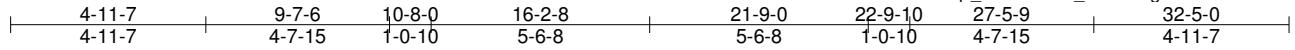
LOAD CASE(S) Standard
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=132, 2-4=132, 4-6=132, 6-7=132, 11-12=20, 10-11=20, 9-10=20, 8-9=20
 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=132, 2-16=132, 4-16=183, 4-6=72, 6-7=72, 11-12=20, 10-11=20, 9-10=20, 8-9=20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25F	Roof Special	1	1	

Universal Forest Products

LOAD CASE(S) Standard

- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-72, 2-4=-72, 4-21=-183, 6-21=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 12) 3rd Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-13=-132, 2-13=-153, 2-4=-72, 4-20=-132, 6-20=-153, 6-7=-72, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 13) 4th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-72, 2-16=-132, 4-16=-183, 4-6=-72, 6-7=-72, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 14) 5th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-178, 2-4=-72, 4-6=-72, 6-7=-72, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 15) 6th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-72, 2-17=-153, 4-17=-132, 4-6=-72, 6-24=-153, 7-24=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 16) 7th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-72, 2-4=-72, 4-21=-183, 6-21=-132, 6-7=-72, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 17) 8th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-72, 2-4=-72, 4-6=-72, 6-7=-178, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 18) 9th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-200, 2-4=-72, 4-6=-72, 6-7=-200, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 19) 10th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-72, 2-4=-200, 4-6=-200, 6-7=-72, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
- 20) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-132, 2-4=-132, 4-6=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 1=300
- 21) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-132, 2-4=-132, 4-6=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 14=300
- 22) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-132, 2-4=-132, 4-6=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 15=300
- 23) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-132, 2-4=-132, 4-6=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 18=300
- 24) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-132, 2-4=-132, 4-6=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 19=300
- 25) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-132, 2-4=-132, 4-6=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 22=300
- 26) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-132, 2-4=-132, 4-6=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 23=300
- 27) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-132, 2-4=-132, 4-6=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 7=300
- 28) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-132, 2-4=-132, 4-6=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 2=300
- 29) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-132, 2-4=-132, 4-6=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 3=300
- 30) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-132, 2-4=-132, 4-6=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 4=300
- 31) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-132, 2-4=-132, 4-6=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 5=300
- 32) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-132, 2-4=-132, 4-6=-132, 6-7=-132, 11-12=-20, 10-11=-20, 9-10=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 6=300



Scale = 1:58.4

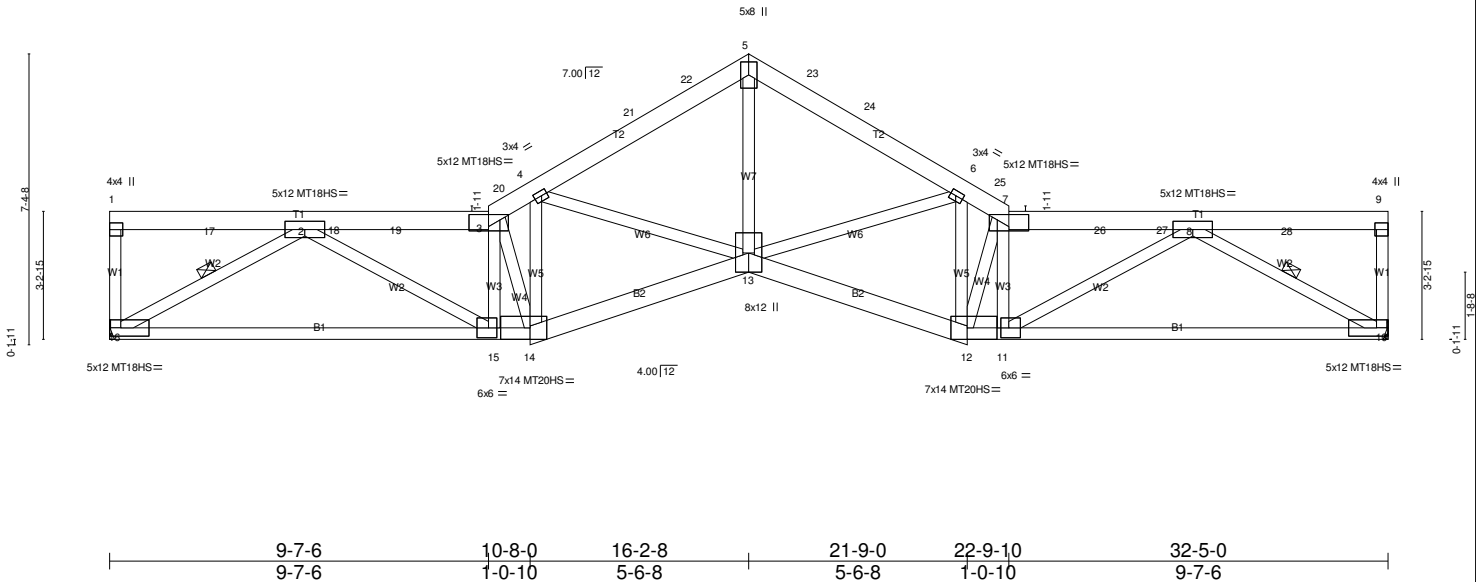


Plate Offsets (X,Y)--	[3:0-6-0,0-3-12], [4:0-1-12,0-1-8], [6:0-1-12,0-1-8], [7:0-6-0,0-3-12], [9:Edge,0-3-8], [11:0-2-8,0-3-0], [12:0-9-0,Edge], [13:0-5-13,0-4-0], [14:0-9-0,Edge], [15:0-2-8,0-3-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0	TC 1.00	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Plate Grip DOL 1.15	BC 0.85	Vert(LL) -0.58 13 >665 360	MT20HS	148/108
BCLL 0.0	Lumber DOL 1.15	WB 0.91	Vert(TL) -0.77 13 >497 240	MT18HS	197/144
BCDL 10.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.24 10 n/a n/a	Weight: 176 lb	FT = 4%
	Code IBC2009/TPI2007				

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SPF 2100F 1.8E *Except*	BOT CHORD Rigid ceiling directly applied or 8-4-3 oc bracing.
WEBS 2x4 SPF No.3 *Except*	WEBS 1 Row at midpt 2-16, 8-10
W2: 2x4 SPF No.2, W7: 2x4 SPF 2100F 1.8E	

REACTIONS. (lb/size) 16=2790/Mechanical, 10=2790/Mechanical
 Max Horz 16=128(LC 7)
 Max Uplift 16=351(LC 8), 10=351(LC 9)
 Max Grav 16=3090(LC 20), 10=3090(LC 29)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-16=620/85, 2-18=7117/882, 18-19=7113/882, 3-19=7112/882, 3-20=7121/912, 4-20=6988/915, 4-21=6267/780, 21-22=5950/780,
 5-22=5803/791, 5-23=5803/791, 23-24=5950/780, 6-24=6267/780, 6-25=6988/915, 7-25=7121/912, 7-26=7112/882, 26-27=7113/882,
 8-27=7117/882, 9-10=620/86
 BOT CHORD 15-16=620/4459, 14-15=864/7054, 13-14=844/6490, 12-13=844/6490, 11-12=864/7054, 10-11=620/4459
 WEBS 2-16=5125/728, 2-15=304/3426, 3-15=1360/299, 3-14=2878/213, 4-14=185/710, 4-13=1374/245, 5-13=615/4857, 6-13=1374/265,
 6-12=146/710, 7-12=2878/213, 7-11=1360/299, 8-11=304/3426, 8-10=5125/728

JOINT STRESS INDEX
 1 = 0.73, 2 = 0.82, 3 = 0.92, 4 = 0.77, 5 = 0.89, 6 = 0.77, 7 = 0.92, 8 = 0.82, 9 = 0.73, 10 = 0.80, 11 = 0.89, 12 = 0.94, 13 = 0.98, 14 = 0.94, 15 = 0.89 and 16 = 0.80

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 metal plate or equivalent at bearing(s) 16, 10 to support reaction shown.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=351, 10=351.
 - 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, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 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, concurrent with live and dead loads.
 - 14) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 15) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20
2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-154(F=-55), 3-4=-154(F=-55), 4-5=-205(F=-55), 5-7=-94(F=-55), 7-9=-94(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25G	Roof Special	1	1	

Universal Forest Products

Job Reference (optional)

LOAD CASE(S) Standard

3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-94(F=-55), 3-5=-94(F=-55), 5-6=-205(F=-55), 6-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

12) 3rd Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-18=-154(F=-55), 3-18=-172(F=-55), 3-5=-94(F=-55), 5-23=-154(F=-55), 7-23=-178(F=-55), 7-9=-94(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

13) 4th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-94(F=-55), 3-4=-154(F=-55), 4-5=-205(F=-55), 5-7=-94(F=-55), 7-9=-94(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

14) 5th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-198(F=-55), 3-5=-94(F=-55), 5-7=-94(F=-55), 7-9=-94(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

15) 6th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-94(F=-55), 3-22=-178(F=-55), 5-22=-154(F=-55), 5-7=-94(F=-55), 7-27=-172(F=-55), 9-27=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

16) 7th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-94(F=-55), 3-5=-94(F=-55), 5-6=-205(F=-55), 6-7=-154(F=-55), 7-9=-94(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

17) 8th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-94(F=-55), 3-5=-94(F=-55), 5-7=-94(F=-55), 7-9=-198(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

18) 9th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-222(F=-55), 3-5=-94(F=-55), 5-7=-94(F=-55), 7-9=-222(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

19) 10th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-3=-94(F=-55), 3-5=-222(F=-55), 5-7=-222(F=-55), 7-9=-94(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

20) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 1=300

21) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 17=300

22) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 19=300

23) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 20=300

24) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 21=300

25) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 24=300

26) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 25=300

27) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 26=300

28) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 28=300

29) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 9=300

30) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 2=300

31) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 3=300

32) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 4=300

33) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 5=300

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25G	Roof Special	1	1	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:12 2016 Page 3
 ID:n2IOH1OQTZ0wkrxQLhBcT1wzoAo6-?n9tqs_zMDPLVeQ_wQCuZrgGmET5SCz7FAIOblznDPn

LOAD CASE(S) Standard

34) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 6=300

35) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 7=300

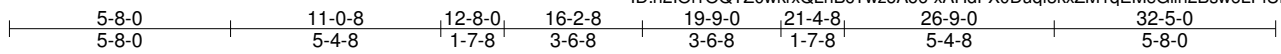
36) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-154(F=-55), 3-5=-154(F=-55), 5-7=-154(F=-55), 7-9=-154(F=-55), 14-16=-20, 13-14=-20, 12-13=-20, 10-12=-20

Concentrated Loads (lb)

Vert: 8=300



Scale = 1.59:0

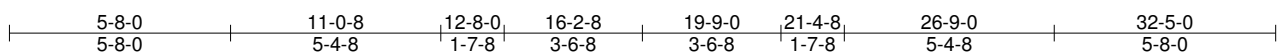
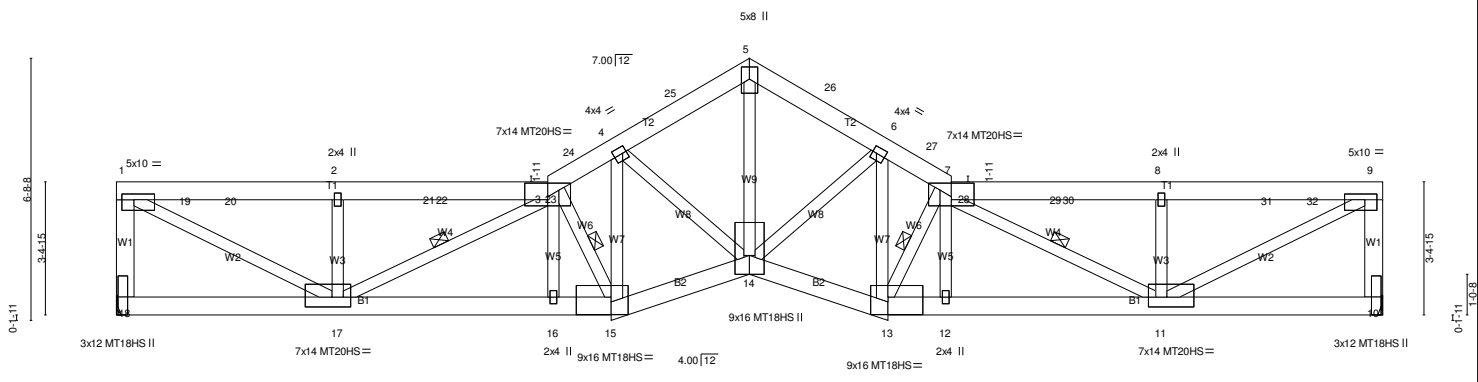


Plate Offsets (X,Y)-- [1:0-3-12,0-1-12], [3:0-7-0,0-4-4], [4:0-1-4,0-2-0], [5:0-3-12,0-2-8], [6:0-1-4,0-2-0], [7:0-7-0,0-4-4], [9:0-3-12,0-1-12], [10:0-5-8,Edge], [11:0-2-4,0-3-0], [13:0-10-12,0-4-0], [14:0-5-13,0-4-8], [15:0-10-12,0-4-0], [17:0-5-12,0-3-0], [18:0-5-8,Edge]

LOADING (psf) TCLL 42.3 (Ground Snow=55.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	SPACING- Plate Grip DOL 2-0-0 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	CSI. TC 0.59 BC 0.71 WB 0.92 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.59 14 >652 360 Vert(TL) -0.79 14 >486 240 Horz(TL) 0.16 10 n/a n/a	PLATES GRIP MT20 197/144 MT20HS 148/108 MT18HS 197/144 Weight: 198 lb FT = 4%
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LUMBER- TOP CHORD 2x6 SPF No.2 *Except* T1: 2x6 SPF 2100F 1.8E BOT CHORD 2x6 SPF 2100F 1.8E WEBS 2x4 SPF No.3 *Except* W1: 2x6 SPF No.2, W2,W9: 2x4 SPF 2100F 1.8E	BRACING- TOP CHORD Structural wood sheathing directly applied or 2-4-6 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt 3-17, 3-15, 7-13, 7-11
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REACTIONS. (lb/size) 18=3127/Mechanical, 10=3127/Mechanical
 Max Horz 18=101(LC 7)
 Max Uplift 18=351(LC 8), 10=351(LC 9)
 Max Grav 18=3561(LC 18), 10=3561(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-18=3475/427, 1-19=5447/641, 19-20=5447/641, 2-20=5447/641, 2-21=5455/643, 21-22=5449/643, 22-23=5447/643, 3-23=5443/643, 3-24=7592/893, 4-24=7487/898, 4-25=6509/791, 5-25=6323/798, 5-26=6323/798, 6-26=6509/791, 6-27=7487/898, 7-27=7592/893, 7-28=5443/643, 28-29=5447/643, 29-30=5448/643, 8-30=5455/643, 8-31=5447/641, 31-32=5447/641, 9-32=5447/641, 9-10=3475/427
 BOT CHORD 16-17=934/7996, 15-16=931/7993, 14-15=779/6699, 13-14=779/6699, 12-13=931/7993, 11-12=934/7996
 WEBS 1-17=712/6032, 2-17=1568/273, 3-17=3146/336, 3-15=3510/403, 4-15=165/1247, 4-14=1363/199, 5-14=680/5612, 6-14=1363/211, 6-13=134/1247, 7-13=3510/403, 7-11=3146/336, 8-11=1568/273, 9-11=712/6032

JOINT STRESS INDEX
 1 = 0.96, 2 = 0.66, 3 = 0.94, 4 = 0.80, 5 = 0.98, 6 = 0.80, 7 = 0.94, 8 = 0.66, 9 = 0.96, 10 = 0.98, 11 = 0.95, 12 = 0.38, 13 = 0.92, 14 = 0.85, 15 = 0.92, 16 = 0.38, 17 = 0.95 and 18 = 0.98

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 metal plate or equivalent at bearing(s) 18, 10 to support reaction shown.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=351, 10=351.
 - 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, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 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, concurrent with live and dead loads.
 - 14) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25H	Roof Special	1	1	

Universal Forest Products

LOAD CASE(S) Standard

- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-23=-176, 3-23=-227, 3-5=-227, 5-7=-116, 7-9=-116, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-116, 3-5=-116, 5-7=-227, 7-28=-227, 9-28=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
- 12) 3rd Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-21=-176, 3-21=-190, 3-5=-116, 5-7=-203, 7-9=-116, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
- 13) 4th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-116, 3-5=-227, 5-7=-116, 7-9=-116, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
- 14) 5th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-19=-176, 3-19=-219, 3-5=-116, 5-7=-116, 7-9=-116, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
- 15) 6th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-116, 3-5=-203, 5-7=-116, 7-30=-190, 9-30=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
- 16) 7th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-116, 3-5=-116, 5-7=-227, 7-9=-116, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
- 17) 8th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-116, 3-5=-116, 5-7=-116, 7-32=-219, 9-32=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
- 18) 9th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-244, 3-5=-116, 5-7=-116, 7-9=-244, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
- 19) 10th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-116, 3-5=-244, 5-7=-244, 7-9=-116, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
- 20) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
 Concentrated Loads (lb)
 Vert: 1=300
- 21) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
 Concentrated Loads (lb)
 Vert: 20=300
- 22) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
 Concentrated Loads (lb)
 Vert: 22=300
- 23) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
 Concentrated Loads (lb)
 Vert: 24=300
- 24) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
 Concentrated Loads (lb)
 Vert: 25=300
- 25) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
 Concentrated Loads (lb)
 Vert: 26=300
- 26) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
 Concentrated Loads (lb)
 Vert: 27=300
- 27) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
 Concentrated Loads (lb)
 Vert: 29=300
- 28) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
 Concentrated Loads (lb)
 Vert: 31=300
- 29) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
 Concentrated Loads (lb)
 Vert: 9=300
- 30) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
 Concentrated Loads (lb)
 Vert: 2=300
- 31) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
 Concentrated Loads (lb)
 Vert: 3=300
- 32) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20
 Concentrated Loads (lb)
 Vert: 4=300
- 33) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25H	Roof Special	1	1	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:14 2016 Page 3
 ID:n2IOI1OQTZ0wkrxQLhBcTwzoAo6-xAHdFX0Duqf3kxZM1qEMeGlih2Bsw6LPiUEUgDznDP

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20

Concentrated Loads (lb)

Vert: 5=-300

34) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20

Concentrated Loads (lb)

Vert: 6=-300

35) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20

Concentrated Loads (lb)

Vert: 7=-300

36) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

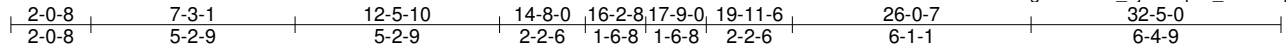
Vert: 1-3=-176, 3-5=-176, 5-7=-176, 7-9=-176, 15-18=-20, 14-15=-20, 13-14=-20, 10-13=-20

Concentrated Loads (lb)

Vert: 8=-300

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25J	Roof Special	1	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:16 2016 Page 1
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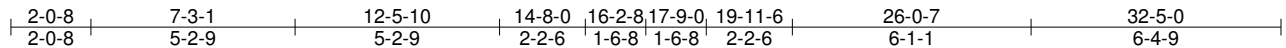
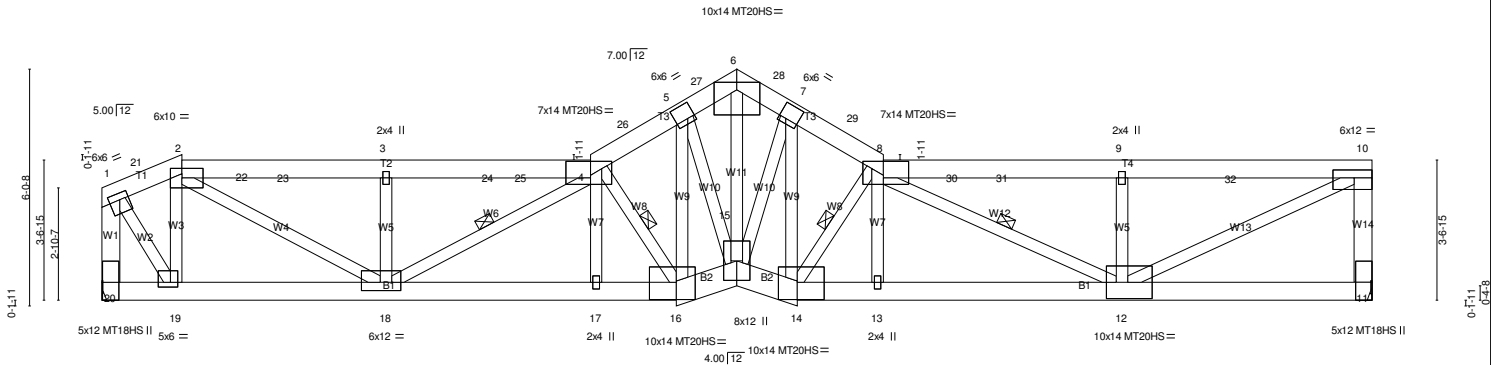


Plate Offsets (X, Y) -- [1:0-2-12,0-2-0], [2:0-6-8,0-1-12], [4:0-7-8,0-4-4], [5:0-2-4,0-4-8], [7:0-2-4,0-4-8], [8:0-7-12,0-4-4], [10:Edge,0-2-8], [11:0-5-8,Edge], [12:0-3-0,0-5-0], [14:0-8-4,0-5-4], [16:0-8-4,0-5-4], [18:0-5-12,0-2-8], [19:0-2-4,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.86 BC 0.78 WB 0.99 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.70 13-14 >550 360 Vert(TL) -0.87 13-14 >440 240 Horz(TL) 0.14 11 n/a n/a	MT20 MT20HS MT18HS Weight: 212 lb	197/144 148/108 197/144 FT = 4%
TCDL 7.0	Rep Stress Incr NO				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0					

LUMBER-
 TOP CHORD 2x6 SPF No.2 *Except*
 T2,T4: 2x6 SPF 2100F 1.8E
 BOT CHORD 2x6 SPF 2100F 1.8E *Except*
 B2: 2x8 SP DSS
 WEBS 2x4 SPF No.3 *Except*
 W14,W1: 2x6 SPF No.2, W4,W11,W13: 2x4 SPF 2100F 1.8E, W8,W2: 2x4 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 1-11-11 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-18, 4-16, 8-14, 8-12

REACTIONS. (lb/size) 11=3479/Mechanical, 20=3479/Mechanical
 Max Horz 20=95(LC 7)
 Max Uplift 11=355(LC 9), 20=351(LC 8)
 Max Grav 11=4089(LC 20), 20=3870(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-21=2255/238, 2-21=2174/243, 2-22=7093/764, 2-23=7096/764, 3-23=7105/764, 3-24=7104/763, 24-25=7095/763, 4-25=7094/764, 4-26=7828/866, 5-26=7632/870, 5-27=7059/817, 6-27=6881/822, 6-28=6876/821, 7-28=7054/816, 7-29=7629/870, 8-29=7863/866, 8-30=6605/688, 30-31=6607/688, 9-31=6615/688, 9-32=6607/687, 10-32=6607/687, 10-11=3990/438, 1-20=3798/407
 BOT CHORD 18-19=256/2208, 17-18=974/8920, 16-17=972/8920, 15-16=739/6844, 14-15=736/6841, 13-14=966/8965, 12-13=969/8963
 WEBS 2-19=2879/341, 2-18=593/5726, 3-18=1743/271, 4-18=2595/248, 4-16=4384/478, 5-16=151/1480, 5-15=928/138, 6-15=672/5762, 7-15=916/137, 7-14=147/1530, 8-14=4461/472, 8-12=3147/318, 9-12=1911/310, 10-12=750/7208, 1-19=350/3507

JOINT STRESS INDEX
 1 = 0.95, 2 = 0.99, 3 = 0.69, 4 = 1.00, 5 = 0.88, 6 = 0.98, 7 = 0.91, 8 = 1.00, 9 = 0.81, 10 = 1.00, 11 = 0.98, 12 = 0.94, 13 = 0.38, 14 = 0.89, 15 = 1.00, 16 = 0.89, 17 = 0.38, 18 = 1.00, 19 = 0.96 and 20 = 0.95

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 metal plate or equivalent at bearing(s) 11, 20 to support reaction shown.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=355, 20=351.
 - 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, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40 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, concurrent with live and dead loads.
 - 14) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard
 1) Dead + Snow (balanced); Lumber Increase=1.15, Plate Increase=1.15

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25J	Roof Special	1	1	

Job Reference (optional)

Universal Forest Products

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ID:n2IOH1OQTZ0wkrxQLhBcTzwoAo6-tZOOgD1TPRvn_FjJ9FHqkhr_ursDO?piAojk6znDPj

LOAD CASE(S) Standard

- Uniform Loads (plf)
Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-198, 2-25=-198, 4-25=-249, 4-6=-249, 6-8=-138, 8-10=-138, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-138, 2-4=-138, 4-6=-138, 6-8=-249, 8-30=-249, 10-30=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
- 12) 3rd Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-138, 2-25=-198, 4-25=-207, 4-6=-138, 6-8=-228, 8-10=-138, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
- 13) 4th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-220, 2-4=-138, 4-6=-249, 6-8=-138, 8-10=-138, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
- 14) 5th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-138, 2-22=-198, 4-22=-239, 4-6=-138, 6-8=-138, 8-10=-138, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
- 15) 6th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-242, 2-4=-138, 4-6=-138, 6-8=-138, 8-10=-138, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
- 16) 7th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-138, 2-4=-198, 4-6=-138, 6-7=-210, 7-8=-198, 8-10=-138, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
- 17) 8th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-138, 2-4=-138, 4-6=-228, 6-8=-138, 8-30=-207, 10-30=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
- 18) 9th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-138, 2-4=-138, 4-6=-138, 6-8=-249, 8-10=-138, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
- 19) 10th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-138, 2-4=-138, 4-6=-138, 6-8=-138, 8-32=-239, 10-32=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
- 20) 11th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-138, 2-4=-266, 4-6=-138, 6-8=-138, 8-10=-266, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
- 21) 12th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-256, 2-4=-138, 4-6=-266, 6-8=-266, 8-10=-138, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
- 22) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
Concentrated Loads (lb)
Vert: 1=-300
- 23) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
Concentrated Loads (lb)
Vert: 21=-300
- 24) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
Concentrated Loads (lb)
Vert: 23=-300
- 25) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
Concentrated Loads (lb)
Vert: 24=-300
- 26) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
Concentrated Loads (lb)
Vert: 26=-300
- 27) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
Concentrated Loads (lb)
Vert: 27=-300
- 28) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
Concentrated Loads (lb)
Vert: 28=-300
- 29) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
Concentrated Loads (lb)
Vert: 29=-300
- 30) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
Concentrated Loads (lb)
Vert: 31=-300
- 31) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
Concentrated Loads (lb)
Vert: 32=-300
- 32) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20
Concentrated Loads (lb)
Vert: 10=-300
- 33) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	S25J	Roof Special	1	1	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:16 2016 Page 3
 ID:n2IOH1OQTZ0wkrxQLhBcTwzoAo6-tZOOgD1TPRvn_FjI9FHqkhr_ursDO?piAojbk6znDPj

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 2=300

34) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20

Concentrated Loads (lb)

Vert: 3=300

35) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20

Concentrated Loads (lb)

Vert: 4=300

36) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20

Concentrated Loads (lb)

Vert: 5=300

37) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20

Concentrated Loads (lb)

Vert: 6=300

38) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20

Concentrated Loads (lb)

Vert: 7=300

39) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20

Concentrated Loads (lb)

Vert: 8=300

40) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-198, 2-4=-198, 4-6=-198, 6-8=-198, 8-10=-198, 16-20=-20, 15-16=-20, 14-15=-20, 11-14=-20

Concentrated Loads (lb)

Vert: 9=300

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T1	MONO PITCH	55	1	

Job Reference (optional)

Universal Forest Products

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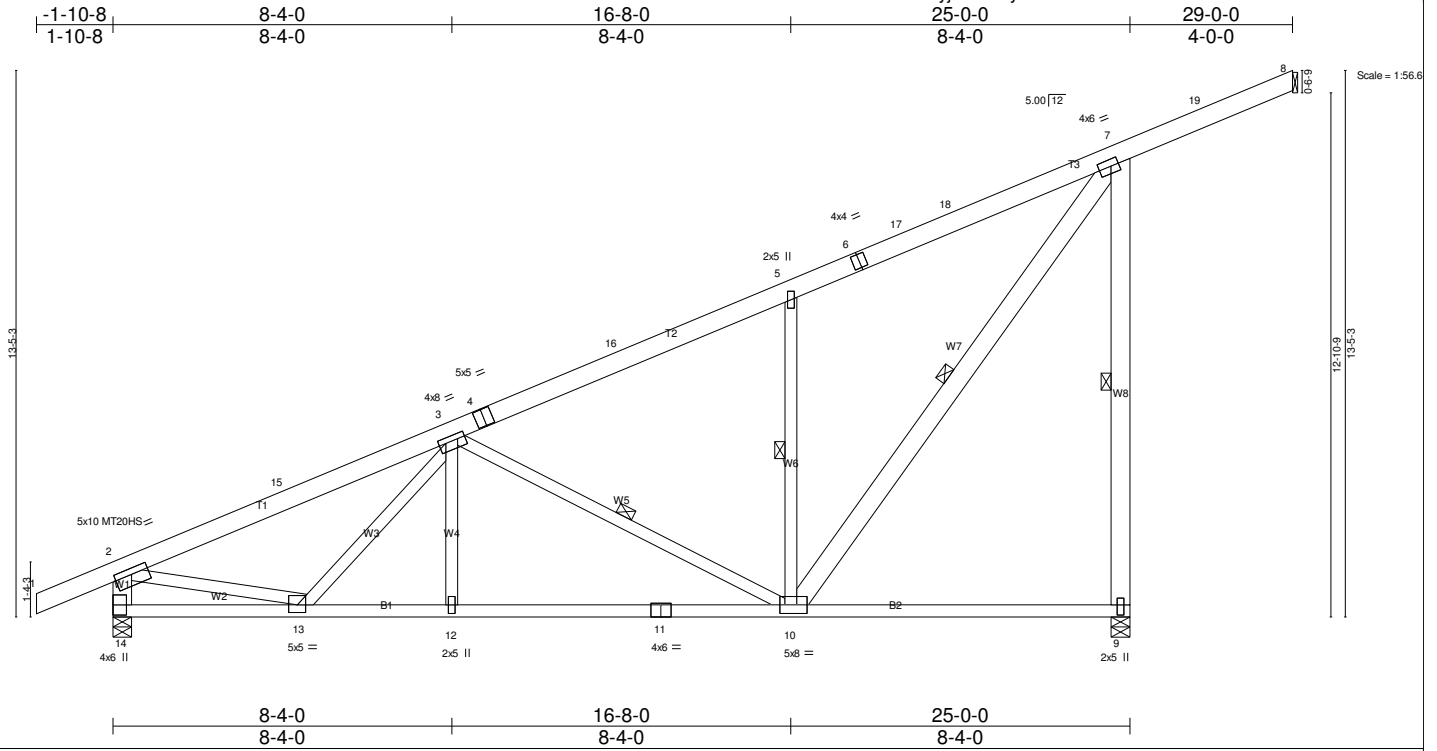


Plate Offsets (X,Y)-- [2:0-5-0-0-1-12], [3:0-4-0-0-1-8], [7:0-2-4-0-2-0], [9:0-3-0-0-1-0], [10:0-1-8-0-2-8], [13:0-2-8-0-2-4]

LOADING (psf)	SPACING	CSI	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.83 BC 0.86 WB 0.97 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.15 10-12 >999 360 Vert(TL) -0.33 9-10 >898 240 Horz(TL) -0.07 14 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 168 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-7-14 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SPF No.3 *Except* W7,W1,W8: 2x6 SPF No.2	6-0-0 oc bracing: 9-10. WEBS 1 Row at midpt 3-10, 5-10, 7-10, 7-9

REACTIONS. (lb/size) 8=-0/Mechanical, 14=2419/0-5-8, 9=2179/0-5-8
 Max Horz 8=-661(LC 22), 9=661(LC 22)
 Max Uplift 14=473(LC 9), 9=783(LC 9)
 Max Grav 14=2505(LC 2), 9=2669(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-15=-2812/373, 3-15=-2556/386, 3-4=-1926/185, 4-16=-1883/199, 5-16=-1700/212, 5-6=-1915/399, 6-17=-1782/406, 17-18=-1703/409,
 7-18=-1485/423, 7-19=-748/117, 8-19=-736/128, 2-14=-2434/495
 BOT CHORD 13-14=-73/584, 12-13=-190/2694, 11-12=-190/2694, 10-11=-190/2694, 9-10=-130/661
 WEBS 3-12=0/259, 3-10=-1317/446, 5-10=-1104/478, 7-10=-729/2329, 3-13=-518/65, 2-13=-77/1826, 7-9=-2606/814

JOINT STRESS INDEX
 2 = 0.95, 3 = 0.63, 4 = 0.95, 5 = 0.41, 6 = 0.69, 7 = 0.94, 9 = 0.76, 10 = 0.95, 11 = 0.79, 12 = 0.31, 13 = 0.74 and 14 = 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; 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) 14=473, 9=783.
 - 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

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T1	MONO PITCH	55	1	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:17 2016 Page 2
 ID:6M8JhGVKKoFtewSiC1KxL5yjDdB-MlymtZ25Al1ebPlxizo3GvNA8FA67SNsORT8GYznDP

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)

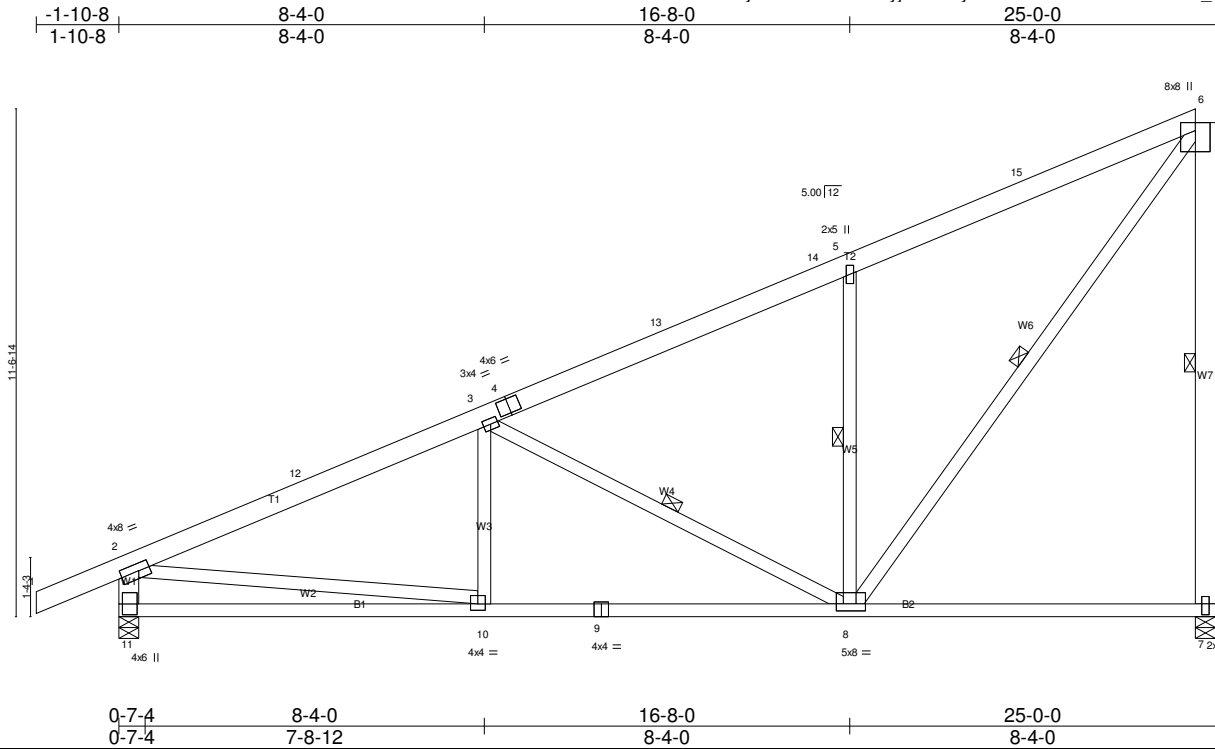
Vert: 1=-253-to-2=-247, 2=-87-to-8=-14

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T1A	MONO PITCH	11	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:17 2016 Page 1
 ID:aYihvcWy56NkG41umlrAuljyDdA-MlymtZ25A1ebPlxizo3GvN8?FD_7TasORT8GYznDPf



Scale = 1:52.5

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.90 BC 0.68 WB 0.95 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.14 7-8 >999 360 Vert(TL) -0.35 7-8 >833 240 Horz(TL) 0.04 7 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 149 lb	FT = 4%

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

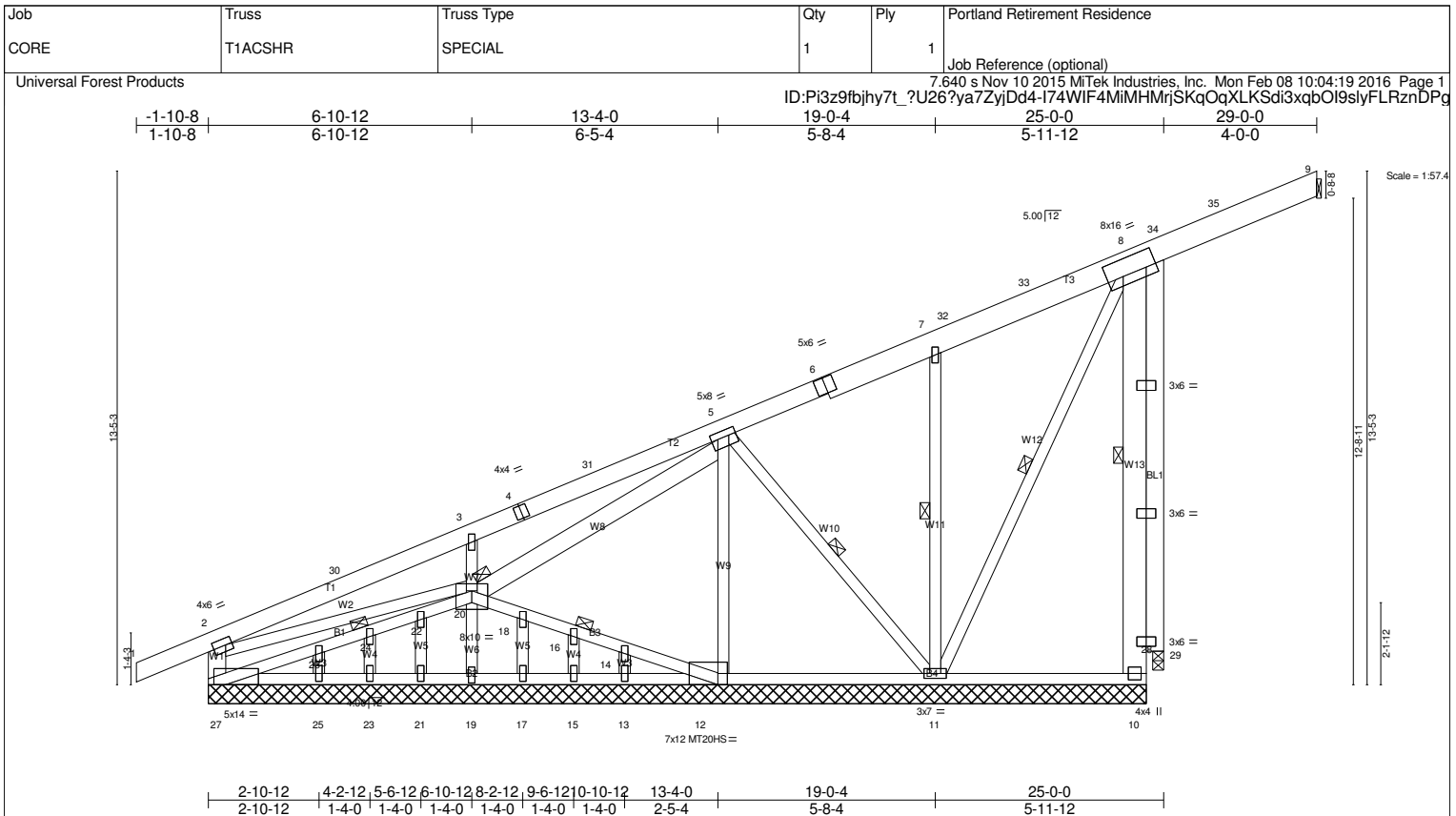
REACTIONS. (lb/size) 7=1390/0-5-8, 11=1605/0-5-8
 Max Horz 11=672(LC 9)
 Max Uplift 7=-596(LC 9), 11=-463(LC 9)
 Max Grav 7=1793(LC 2), 11=1692(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-12=-2266/391, 3-12=-2107/405, 3-4=-1493/169, 4-13=-1473/181, 13-14=-1222/194, 5-14=-1179/196, 5-15=-1641/411, 6-15=-1365/421,
 2-11=-1603/504
 BOT CHORD 10-11=-677/536, 9-10=-838/1945, 8-9=-838/1945
 WEBS 6-7=-1729/628, 2-10=-162/1420, 3-8=-850/432, 5-8=-1202/525, 6-8=-782/2159

JOINT STRESS INDEX
 2 = 0.93, 3 = 0.64, 4 = 0.73, 5 = 0.44, 6 = 0.43, 7 = 0.50, 8 = 0.88, 9 = 0.81, 10 = 0.75 and 11 = 1.00

- 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) 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=596, 11=463.
 - 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



LOADING (psf)	SPACING	CSI	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.38 BC 0.53 WB 0.88 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.04 10-11 >999 360 Vert(TL) -0.05 11-12 >999 240 Horz(TL) -0.06 23 n/a n/a	MT20 MT20HS	197/144 148/108
Weight: 235 lb					FT = 4%

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*
W13: 2x8 SP DSS, W8,W1: 2x6 SPF No.2
OTHERS 2x6 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-11-7 oc bracing.
WEBS 1 Row at midpt 8-28, 5-11, 7-11, 8-11
JOINTS 1 Brace at Jt(s): 20, 24, 16

REACTIONS. All bearings 24-6-8 except (jt=length) 9=Mechanical, 29=0-3-8.
(lb) - Max Horz 9=623(LC 46), 29=1499(LC 16)
Max Uplift All uplift 100 lb or less at joint(s) 21, 23, 25, 17, 13 except 10=320(LC 29), 27=687(LC 28), 12=216(LC 28), 11=456(LC 29), 19=822(LC 28), 29=224(LC 29)
Max Grav All reactions 250 lb or less at joint(s) 21, 23, 25, 17, 15, 13 except 10=817(LC 16), 27=1036(LC 17), 12=698(LC 17), 11=1070(LC 16), 19=1379(LC 17), 29=254(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-30=1122/855, 3-30=599/566, 3-4=540/435, 5-31=325/471, 5-6=1498/1120, 6-7=966/847,
7-32=1037/758, 32-33=977/717, 8-33=464/366, 8-34=908/386, 34-35=797/365, 9-35=703/373,
10-28=738/331, 8-28=738/331, 2-27=818/578
BOT CHORD 26-27=555/551, 24-26=662/654, 22-24=783/766, 20-22=913/901, 18-20=717/888, 16-18=611/778,
14-16=489/659, 12-14=386/537, 11-12=873/1223, 10-11=909/1386, 25-27=494/668, 23-25=273/447,
21-23=162/336, 17-19=154/328, 15-17=265/439, 13-15=375/538, 12-13=541/715
WEBS 3-20=664/412, 5-20=1347/1123, 5-12=706/300, 5-11=518/676, 7-11=610/308, 8-11=647/285,
2-20=607/715, 19-20=1350/834

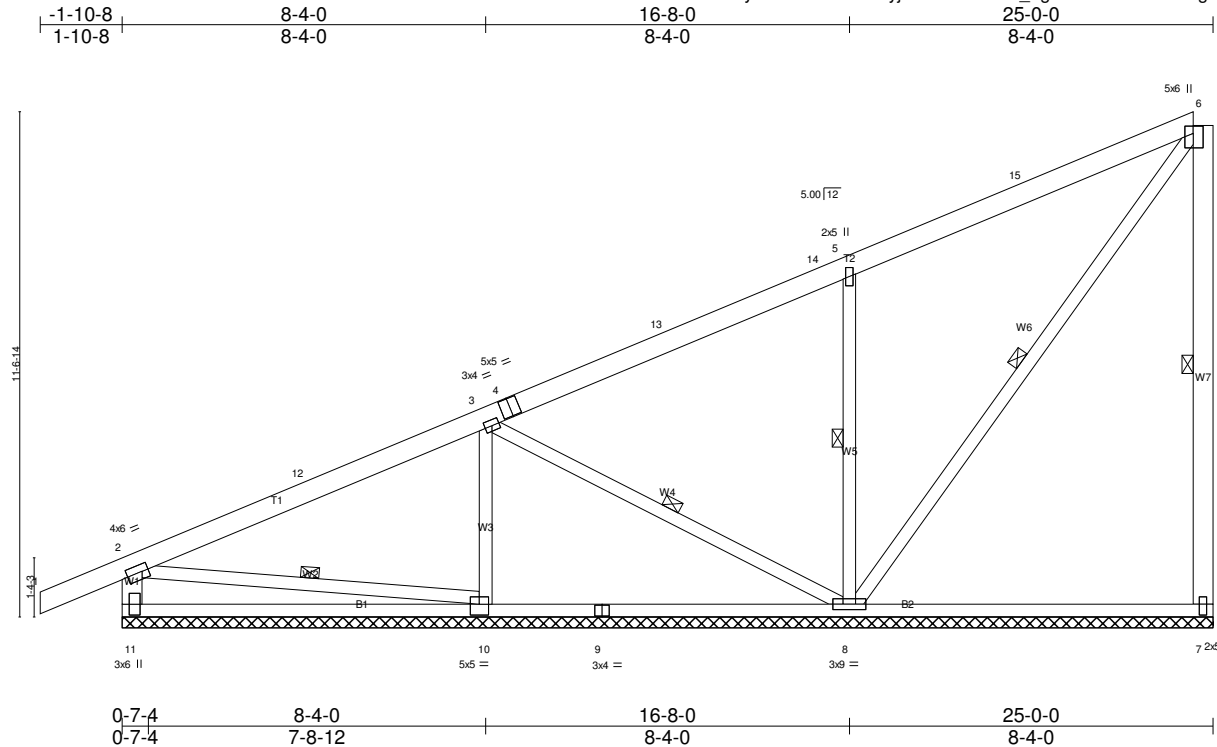
JOINT STRESS INDEX
2 = 0.83, 3 = 0.31, 4 = 0.50, 5 = 0.57, 6 = 0.55, 7 = 0.31, 8 = 0.50, 10 = 0.65, 11 = 0.80, 12 = 0.45, 13 = 0.31, 14 = 0.31, 15 = 0.31, 16 = 0.31, 17 = 0.31, 18 = 0.31, 19 = 0.49, 20 = 0.33, 21 = 0.31, 22 = 0.31, 23 = 0.31, 24 = 0.31, 25 = 0.31, 26 = 0.31, 27 = 0.80, 28 = 0.00, 28 = 0.17, 28 = 0.17 and 28 = 0.17

- 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) 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) Bearing at joint(s) 29 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) 21, 23, 25, 17, 13 except (jt=lb) 10=320, 27=687, 12=216, 11=456, 19=822, 29=224.
 - 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 0-5-8 to 24-6-8 for 83.0 plf.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T1ASHR	MONO PITCH	1	1	

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 ID:aYihvcWy56NkG41umlrAuljDdA-mKeuVb4_TgPCSt1WO5LmuX?g6TIMKvOI5PhtzrDPf



Scale = 1/52.8

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.85 BC 0.51 WB 0.63 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.00 1 n/r 180 Vert(TL) 0.00 1 n/r 80 Horz(TL) -0.02 8 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 149 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 5-4-2 oc bracing.
WEBS 2x4 SPF No.3 *Except* W7,W1: 2x6 SPF No.2	WEBS 1 Row at midpt 6-7, 2-10, 3-8, 5-8, 6-8

REACTIONS. All bearings 25-0-0.
 (lb) - Max Horz 11=672(LC 28)
 Max Uplift All uplift 100 lb or less at joint(s) except 7=506(LC 29), 11=691(LC 28), 10=724(LC 28), 8=574(LC 28)
 Max Grav All reactions 250 lb or less at joint(s) except 7=817(LC 16), 11=1222(LC 17), 10=1289(LC 15), 8=1643(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-12=-1350/972, 3-12=-918/691, 3-4=-1354/1090, 4-13=-1304/1044, 13-14=-679/631, 5-14=-604/601, 5-15=-419/348, 6-15=-291/474,
 2-11=-1137/730
 BOT CHORD 10-11=-1150/879, 9-10=-606/460, 8-9=-629/483, 7-8=-648/648
 WEBS 6-7=-754/538, 2-10=-1079/1197, 3-10=-1219/872, 3-8=-977/1034, 5-8=-1204/530, 6-8=-633/547

JOINT STRESS INDEX
 2 = 0.98, 3 = 0.90, 4 = 0.92, 5 = 0.44, 6 = 0.34, 7 = 0.39, 8 = 0.80, 9 = 0.49, 10 = 0.51 and 11 = 0.96

- 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) Gable requires continuous bottom chord bearing.
 - 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 506 lb uplift at joint 7, 691 lb uplift at joint 11, 724 lb uplift at joint 10 and 574 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) 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) 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
CORE	T1B	MONO PITCH	21	1	

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 7 640 s Nov 10 2015 M/Tek Industries, Inc. Mon Feb 08 10:04:21 2016 Page 1
 ID:6M8JhGVKkoFtewSIC1KxL5yjDdB-EWCHjw5cE_X340cjxps?RIYUCsbl3JHRJ3RMPJznDPe

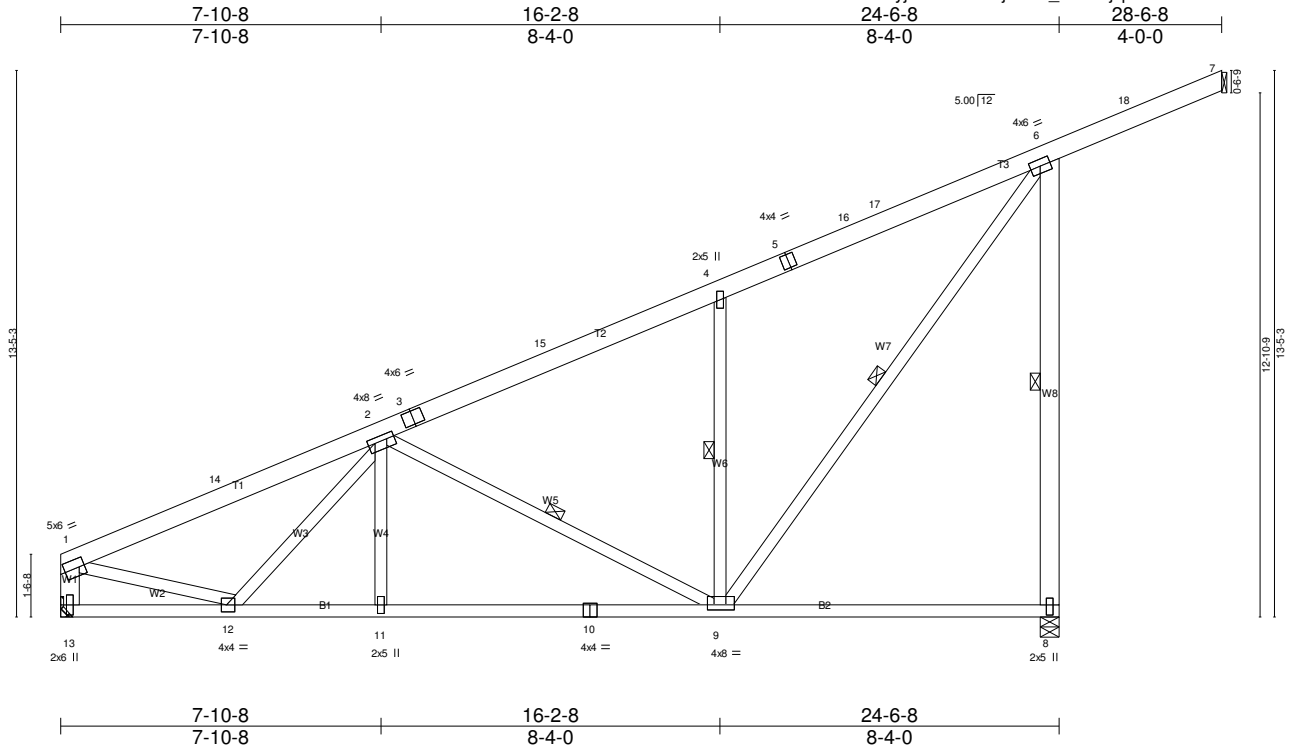


Plate Offsets (X,Y)-- [1:0-1-8,0-2-8], [2:0-4-0,0-1-8], [8:0-3-0,0-1-0], [9:0-2-0,0-1-8], [12:0-1-8,0-2-0]

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 0.69 WB 0.78 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.13 8-9 >999 360 Vert(TL) -0.34 8-9 >861 240 Horz(TL) -0.05 13 n/a n/a	PLATES GRIP MT20 197/144 Weight: 154 lb FT = 4%
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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 4-11-13 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 8-9. WEBS 1 Row at midpt 2-9, 4-9, 6-9, 6-8
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REACTIONS. (lb/size) 7=0/Mechanical, 13=1409/Mechanical, 8=1729/0-5-8
 Max Horz 7=-665(LC 22), 8=665(LC 22)
 Max Uplift 13=-310(LC 9), 8=-783(LC 9)
 Max Grav 13=1493(LC 2), 8=2168(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-14=-1912/364, 2-14=-1773/377, 2-3=-1518/179, 3-15=-1490/192, 4-15=-1367/206, 4-5=-1537/392, 5-16=-1418/400, 16-17=-1373/402,
 6-17=-1183/415, 6-18=-752/114, 7-18=-740/125, 1-13=-1431/329
 BOT CHORD 12-13=-152/397, 11-12=-252/1945, 10-11=-252/1945, 9-10=-252/1945, 8-9=-129/665
 WEBS 2-11=0/262, 2-9=-814/441, 4-9=-833/477, 6-9=-724/1704, 2-12=-474/64, 1-12=-61/1303, 6-8=-2104/814

JOINT STRESS INDEX
 1 = 1.00, 2 = 0.63, 3 = 0.61, 4 = 0.31, 5 = 0.66, 6 = 0.90, 8 = 0.61, 9 = 0.89, 10 = 0.81, 11 = 0.31, 12 = 0.68 and 13 = 0.87

- 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 310 lb uplift at joint 13 and 783 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) 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.

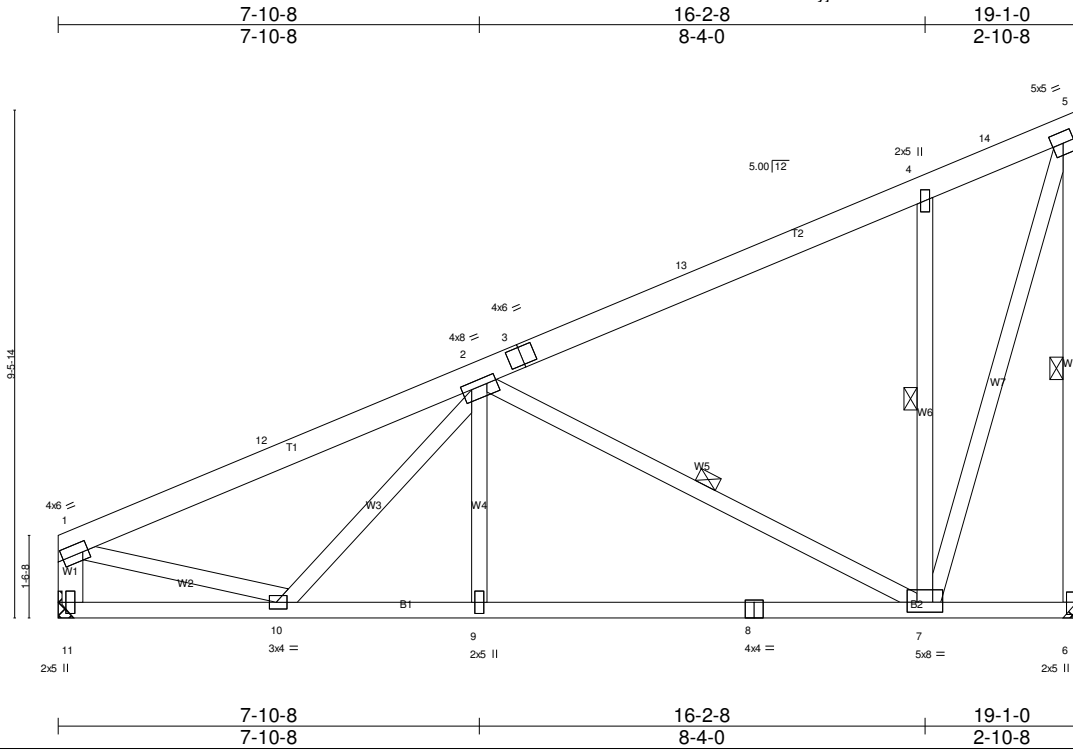
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T1BA	MONO PITCH	1	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:22 2016 Page 1
 ID:6M8JhGVKkoFtewSiC1KxL5yjDdB-iimfwG6E?HfwIABvVWOEzy45sGzgojhbYjAvymznDPd



Scale = 1/4" = 1'-0"

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.58 BC 0.52 WB 0.96 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.11 7-9 >999 360 Vert(TL) -0.29 7-9 >773 240 Horz(TL) -0.03 11 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 115 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-11-5 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SPF No.3 *Except* W1: 2x6 SPF No.2	6-0-0 oc bracing: 6-7. WEBS 1 Row at midpt 5-6, 2-7, 4-7

REACTIONS. (lb/size) 6=1066/Mechanical, 11=1066/Mechanical
 Max Horz 6=475(LC 9)
 Max Uplift 6=-469(LC 9), 11=-228(LC 9)
 Max Grav 6=1327(LC 2), 11=1127(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-12=-1375/244, 2-12=-1126/257, 2-3=-671/0, 3-13=-642/6, 4-13=-497/20, 4-14=-641/168, 5-14=-568/175, 5-6=-1319/456, 1-11=-1068/249
 BOT CHORD 10-11=-137/352, 9-10=-114/1348, 8-9=-114/1348, 7-8=-114/1348, 6-7=-82/473
 WEBS 2-9=0/291, 2-7=-1007/485, 4-7=-903/382, 5-7=-549/1571, 2-10=-303/19, 1-10=0/858

JOINT STRESS INDEX
 1 = 0.92, 2 = 0.63, 3 = 0.79, 4 = 0.33, 5 = 0.86, 6 = 0.78, 7 = 0.95, 8 = 0.78, 9 = 0.31, 10 = 0.68 and 11 = 0.90

- 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) 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 469 lb uplift at joint 6 and 228 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) 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
CORE	T1BSHR	ROOF TRUSS	2	1	

Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:24 2016 Page 1
 ID:XwqSKIYCjdSVOAhtAuezjyDd8-e5tPLy8UXvvexUKHdxQi2NAMw4c_Glzu?1f00eznDPb

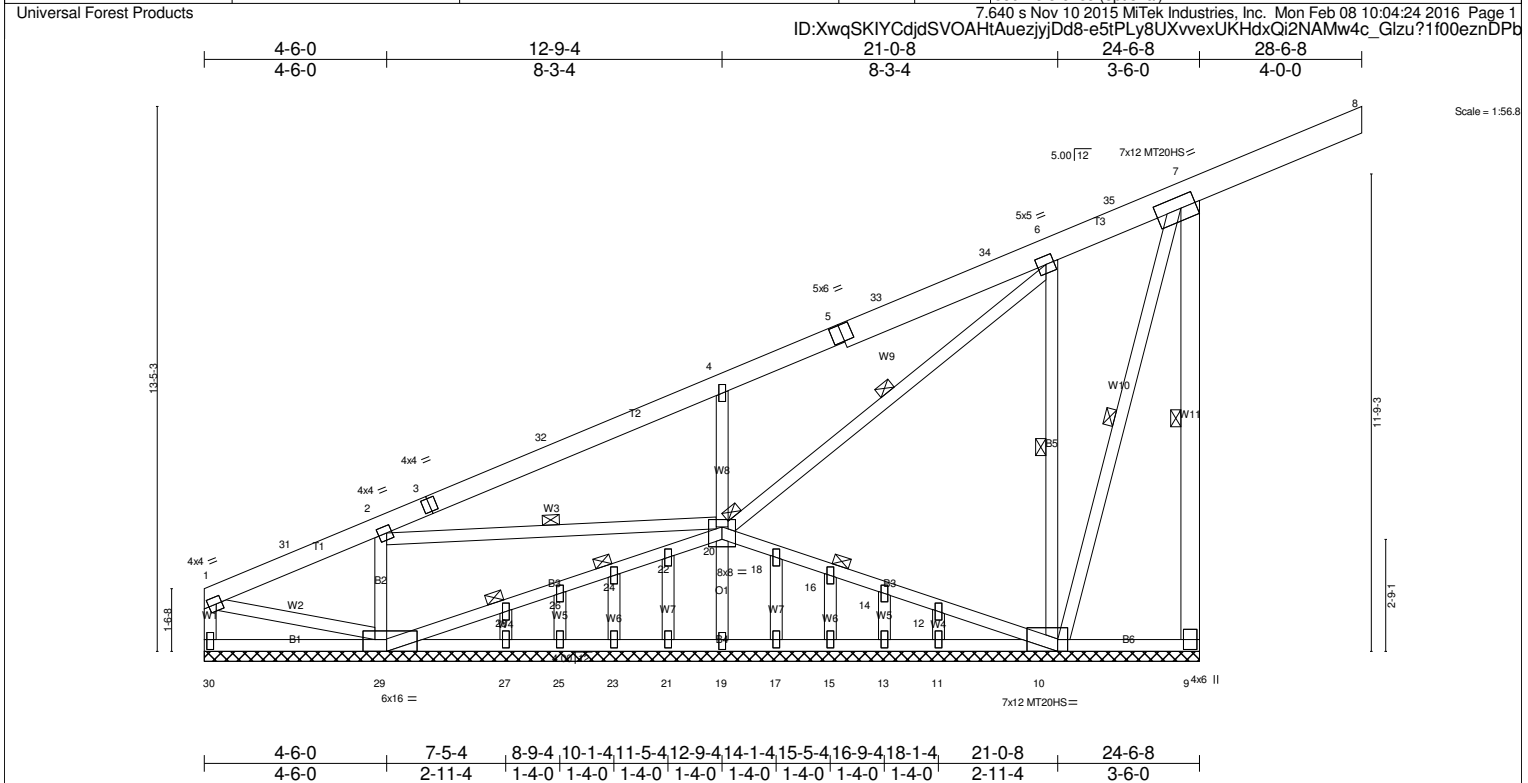


Plate Offsets (X,Y)--	[1:0-1-12,0-2-0], [2:0-1-8,0-2-0], [7:0-4-8,0-3-8], [10:0-3-0,0-0-0], [19:0-3-0,0-1-0], [29:0-7-0,0-0-0], [30:0-3-0,0-1-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.86 BC 0.66 WB 0.46 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.00 8 n/r 180 Vert(TL) -0.04 7-8 n/r 80 Horz(TL) -0.03 9 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 203 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 *Except* T3: 2x8 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2 *Except* B2,B5: 2x4 SPF No.3	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 4-2-12 oc bracing: 29-30 5-2-2 oc bracing: 27-29 5-8-5 oc bracing: 25-27. 4-4-0 oc bracing: 6-10 6-0-0 oc bracing: 24-29, 20-24
WEBS 2x4 SPF No.3 *Except* W11: 2x6 SPF No.2	WEBS 1 Row at midpt 7-9, 2-20, 6-20, 7-10
OTHERS 2x4 SPF No.3	JOINTS 1 Brace at Jt(s): 20, 24, 16

REACTIONS. All bearings 24-6-8.
 (lb) - Max Horz 30=2010(LC 22)
 Max Uplift All uplift 100 lb or less at joint(s) 21, 17, 13, 11 except 9=758(LC 29), 30=494(LC 32), 29=573(LC 29), 10=1104(LC 29),
 19=814(LC 28)
 Max Grav All reactions 250 lb or less at joint(s) 21, 23, 25, 27, 17, 15, 13, 11 except 9=1238(LC 16), 30=686(LC 23), 29=1018(LC 14),
 10=1688(LC 16), 19=1256(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-31=1019/783, 2-31=711/524, 2-3=1534/1275, 3-32=1173/951, 4-32=1149/926, 4-5=691/523,
 5-33=320/178, 33-34=362/237, 6-34=477/511, 6-35=459/318, 7-35=398/448, 7-8=283/0,
 7-9=1213/837, 1-30=661/514
 BOT CHORD 29-30=1933/1493, 2-29=999/696, 28-29=697/568, 26-28=464/310, 24-26=333/195, 22-24=301/157,
 20-22=425/283, 18-20=1167/1244, 16-18=1061/1136, 14-16=948/1020, 12-14=833/902, 10-12=731/815,
 6-10=1386/1159, 9-10=481/477, 27-29=1317/1262, 25-27=1091/1011, 23-25=971/902, 21-23=874/794,
 19-21=765/685, 17-19=655/575, 15-17=546/466, 13-15=438/357, 11-13=329/249, 10-11=273/185
 WEBS 1-29=791/992, 2-20=853/923, 4-20=848/523, 6-20=736/607, 7-10=672/463, 19-20=1230/828

JOINT STRESS INDEX
 1 = 0.77, 2 = 0.76, 3 = 0.54, 4 = 0.31, 5 = 0.56, 6 = 0.39, 7 = 0.83, 9 = 0.87, 10 = 0.48, 11 = 0.31, 12 = 0.31, 13 = 0.31, 14 = 0.31, 15 = 0.31, 16 = 0.31, 17 = 0.31, 18 = 0.31, 19 = 0.48, 20 = 0.33, 21 = 0.31,
 22 = 0.31, 23 = 0.31, 24 = 0.31, 25 = 0.31, 26 = 0.31, 27 = 0.31, 28 = 0.31, 29 = 0.46 and 30 = 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 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) Gable requires continuous bottom chord bearing.
 - 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) 21, 17, 13, 11 except (jt=lb) 9=758, 30=494, 29=573, 10=1104, 19=814.
 - 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) 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 24-6-8 for 81.5 plf.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T1BV	MONO TRUSS	10	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:25 2016 Page 1
 ID:mftsDNfrVUmA4mM0vZYlqdyjDd?-7HRnYI87IC1VZevUAexbbiVMUwa?611EhPaY4znDPa

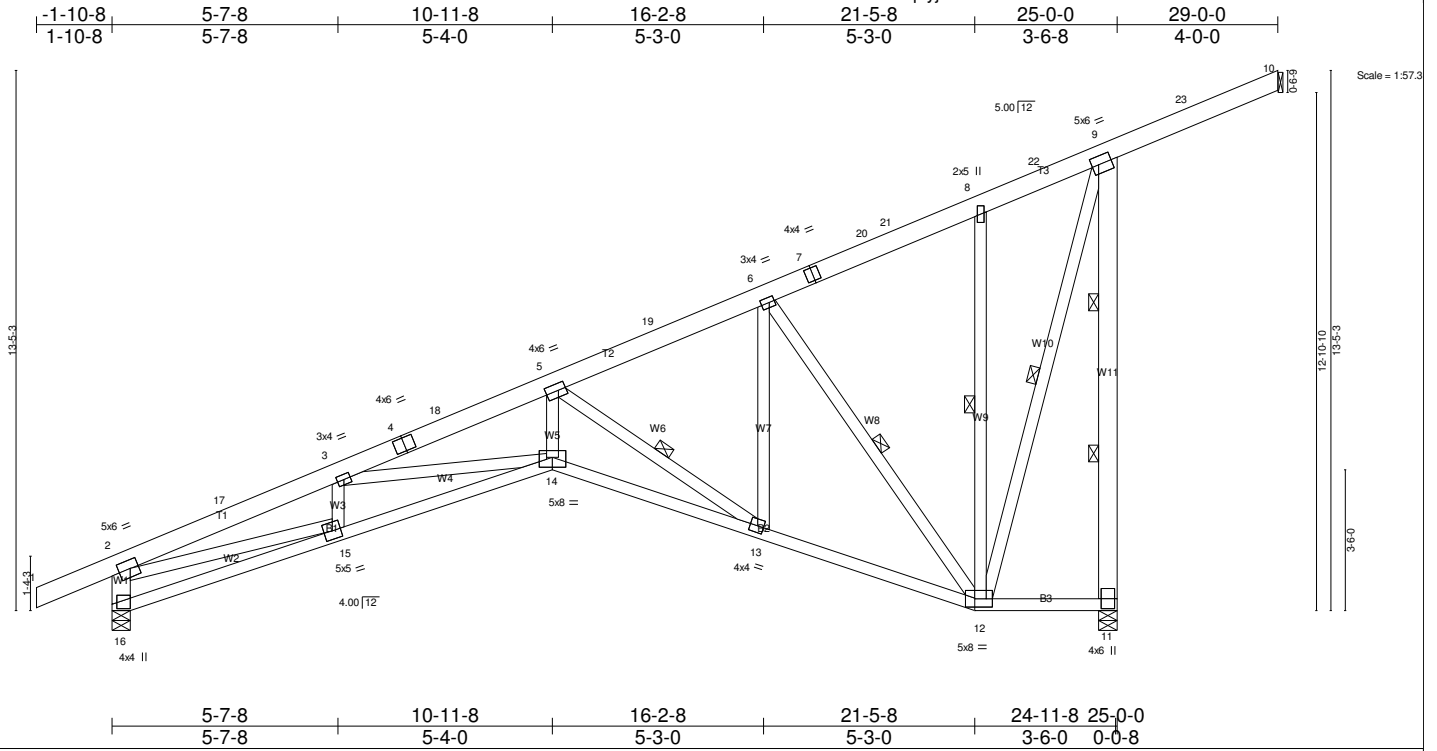


Plate Offsets (X,Y)-- [2:0-2-8,0-2-8], [5:0-2-4,0-2-0], [6:0-1-8,0-1-8], [9:0-2-0,0-2-8], [12:0-5-4,0-2-8], [13:0-1-12,0-2-0], [14:0-4-0,0-3-0], [16:0-1-5,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.94 BC 0.83 WB 0.86 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.35 14-15 >846 360 Vert(TL) -0.53 14-15 >553 240 Horz(TL) -0.36 16 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 174 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 *Except* T3: 2x6 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W11,W1: 2x6 SPF No.2, W2: 2x4 SPF No.2	WEBS 1 Row at midpt 5-13, 6-12, 8-12, 9-12 2 Rows at 1/3 pts 9-11

REACTIONS. (lb/size) 10=0/Mechanical, 11=2112/0-5-8, 16=1275/0-5-8
 Max Horz 10=560(LC 1), 11=560(LC 1)
 Max Uplift 11=-724(LC 9), 16=-532(LC 9)
 Max Grav 11=2616(LC 2), 16=1347(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-17=-3129/871, 3-17=-3002/887, 3-4=-3088/770, 4-18=-3012/773, 5-18=-3011/782, 5-19=-784/340, 6-19=-632/350, 6-7=-272/264,
 7-20=-257/330, 20-21=-254/352, 8-21=-246/408, 8-22=-139/558, 9-22=-124/615, 9-23=-330/382, 10-23=-318/502, 9-11=-2605/796,
 2-16=-1373/552
 BOT CHORD 15-16=-161/341, 14-15=-677/2934, 13-14=-455/2941, 12-13=-46/729, 11-12=-590/480
 WEBS 3-15=-427/195, 3-14=-466/258, 5-14=-295/1946, 5-13=-2591/638, 6-13=-139/927, 6-12=-1511/466, 8-12=-144/270, 2-15=-637/2484,
 9-12=-433/1074

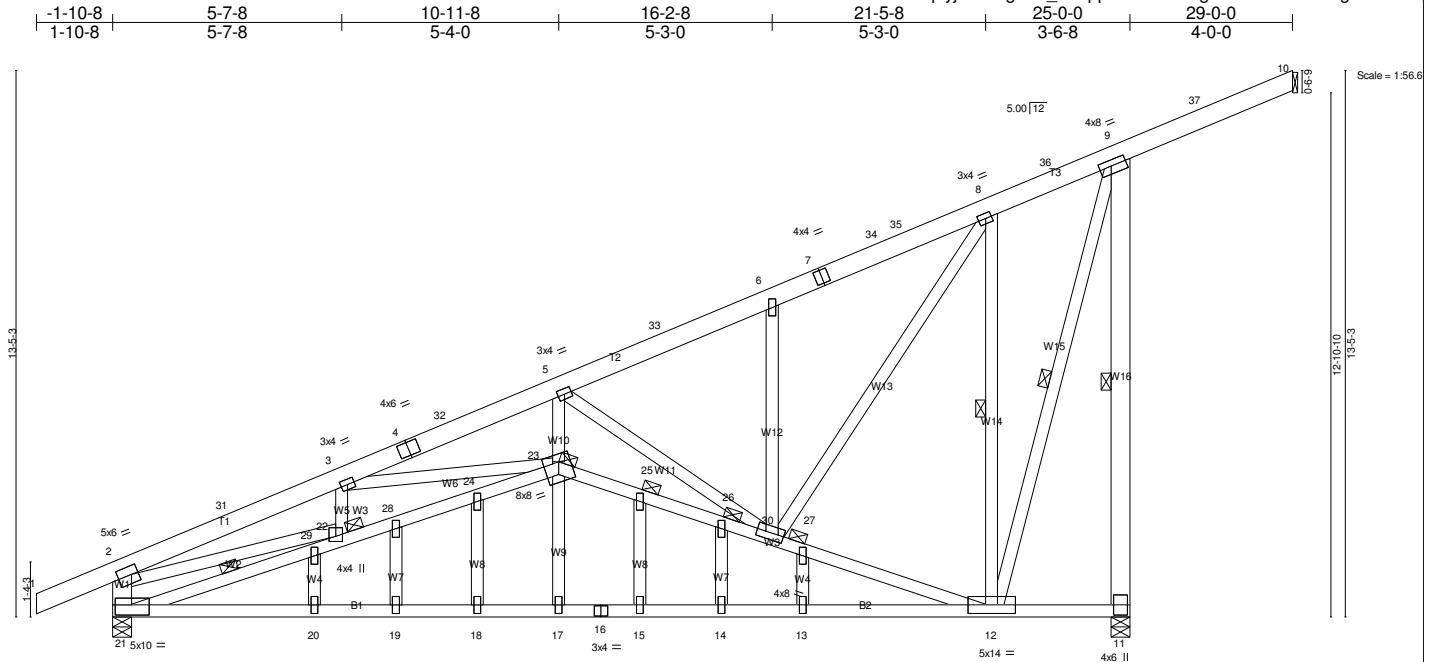
JOINT STRESS INDEX
 2 = 0.93, 3 = 0.64, 4 = 0.78, 5 = 0.90, 6 = 0.88, 7 = 0.43, 8 = 0.31, 9 = 0.94, 11 = 0.89, 12 = 0.82, 13 = 0.95, 14 = 0.85, 15 = 0.90 and 16 = 0.86

- 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 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) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=724, 16=532.
 - 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
CORE	T1BX	MONO TRUSS	2	1	

Universal Forest Products
 Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:27 2016 Page 1
 ID:mftsDNfrVUmA4mM0vZYIqdyjDd?-3gZYz_ANqqHDox3sl3zPg0ostfHezT1hKi?ugdzznDPY



4-11-8	5-7-8	8-11-8	10-11-8	12-11-8	14-11-8	16-2-8	21-5-8	24-11-8	25-0-0
4-11-8	0-8-0	1-4-0	2-0-0	2-0-0	2-0-0	2-0-0	1-3-0	0-9-0	4-6-0

Plate Offsets (X,Y)-- [2:0-2-0,0-2-8], [8:0-1-12,0-1-8], [9:0-3-8,0-1-12], [21:0-4-12,0-3-0], [22:0-1-8,0-2-0], [30:0-1-10,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.89 BC 0.70 WB 0.72 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.14 17 >999 360 Vert(TL) -0.22 18 >999 240 Horz(TL) -0.07 21 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 215 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-3-1 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W16,W1: 2x6 SPF No.2	WEBS 1 Row at midpt 9-11, 21-22, 8-12, 9-12
	JOINTS 1 Brace at Jt(s): 22, 23, 25, 26, 27

REACTIONS. (lb/size) 10=0/Mechanical, 11=1768/0-5-8, 21=1619/0-5-8
 Max Horz 10=581(LC 26), 11=616(LC 8)
 Max Uplift 11=646(LC 9), 21=610(LC 9)
 Max Grav 11=2228(LC 2), 21=1736(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-31=-2396/704, 3-31=-2263/719, 3-4=-1991/528, 4-32=-1927/530, 5-32=-1914/540, 5-33=-1346/439, 6-33=-1175/455, 6-7=-1376/584,
 7-34=-1279/590, 34-35=-1257/592, 8-35=-1254/597, 8-36=-703/431, 9-36=-663/436, 9-37=-674/211, 10-37=-663/216, 9-11=-2191/717,
 2-21=-1209/515
 BOT CHORD 20-21=-383/1832, 19-20=-383/1832, 18-19=-383/1832, 17-18=-383/1832, 16-17=-379/1839, 15-16=-379/1839, 14-15=-379/1839,
 13-14=-379/1839, 12-13=-379/1839, 11-12=-154/575
 WEBS 21-29=-1432/360, 22-29=-1425/377, 22-28=-109/415, 24-28=-103/426, 23-24=-104/436, 27-30=-1249/612, 12-27=-1273/596, 3-22=-266/162,
 3-23=-559/276, 5-30=-739/266, 6-30=-572/331, 8-12=-892/285, 2-22=-443/1633, 9-12=-512/1403, 8-30=-341/908

JOINT STRESS INDEX
 2 = 0.95, 3 = 0.64, 4 = 0.54, 5 = 0.64, 6 = 0.31, 7 = 0.40, 8 = 0.84, 9 = 0.92, 11 = 0.85, 12 = 0.96, 13 = 0.31, 14 = 0.31, 15 = 0.31, 16 = 0.73, 17 = 0.31, 18 = 0.31, 19 = 0.31, 20 = 0.31, 21 = 0.54, 22 = 0.89,
 23 = 0.30, 24 = 0.31, 25 = 0.31, 26 = 0.31, 27 = 0.31, 28 = 0.31, 29 = 0.31 and 30 = 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 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 2x5 MT20 unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) 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) 11=646, 21=610.
 - 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
CORE	T1BXSHR	MONO TRUSS	1	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:29 2016 Page 1
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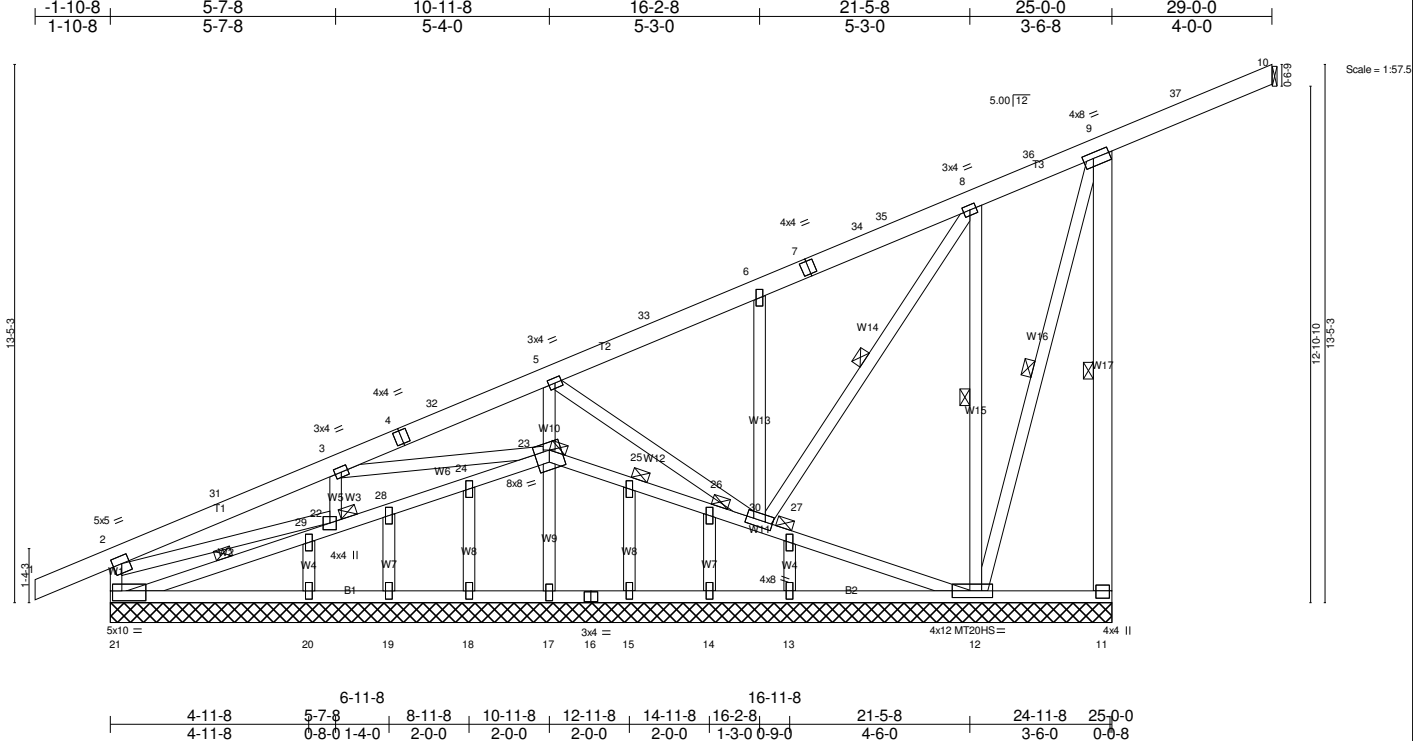


Plate Offsets (X,Y)--	[2:0-2-4-0-2-4]	[9:0-3-0-0-1-12]	[11:0-2-4-0-2-0]	[12:0-5-4-0-2-0]	[17:0-3-0-0-1-0]	[21:0-2-13-0-3-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.49 BC 0.40 WB 0.98 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.03 11-12 >999 360 Vert(TL) -0.03 20-21 >999 240 Horz(TL) -0.02 14 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 214 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3 *Except* W17: 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-11-9 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 5-4-7 oc bracing. WEBS 1 Row at midpt 9-11, 21-22, 8-12, 9-12, 8-30 JOINTS 1 Brace at Jt(s): 22, 23, 25, 26, 27

REACTIONS. All bearings 25-0-0 except (jt=length) 10=Mechanical.
 (lb) - Max Horz 10=-712(LC 48), 21=718(LC 26)
 Max Uplift All uplift 100 lb or less at joint(s) 18, 15 except 11=-347(LC 27), 21=-753(LC 28), 12=-593(LC 29), 17=-791(LC 28),
 14=-163(LC 28), 13=-145(LC 28), 19=-124(LC 28), 20=-155(LC 28)
 Max Grav All reactions 250 lb or less at joint(s) 18, 15, 19 except 11=596(LC 16), 21=1219(LC 17), 12=1201(LC 16), 17=1181(LC 17),
 14=301(LC 17), 13=435(LC 17), 20=391(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-31=-1154/771, 3-31=-778/506, 3-4=-1086/827, 4-32=-874/687, 5-32=-758/604, 5-33=-1483/1071,
 6-33=-950/737, 6-7=-1042/743, 7-34=-711/518, 34-35=-672/494, 8-35=-639/468, 8-36=-711/425,
 9-36=-698/528, 9-37=-845/337, 10-37=-784/345, 9-11=-573/308, 2-21=-787/526
 BOT CHORD 20-21=-1200/1111, 19-20=-854/710, 18-19=-678/566, 17-18=-534/406, 16-17=-322/193, 15-16=-271/142,
 14-15=-431/286, 13-14=-575/462, 12-13=-962/796, 11-12=-439/421
 WEBS 21-29=-1247/988, 22-29=-1354/999, 22-28=-573/439, 24-28=-575/440, 23-24=-592/453, 23-25=-418/404,
 25-26=-433/412, 26-30=-437/404, 27-30=-1022/1154, 12-27=-978/1131, 3-22=-614/398, 3-23=-657/698,
 5-23=-1276/866, 5-30=-585/730, 6-30=-530/320, 8-12=-779/432, 2-22=-530/712, 9-12=-632/382,
 17-23=-1146/811, 14-26=-277/161, 13-27=-359/208, 20-29=-339/218, 8-30=-388/361

JOINT STRESS INDEX
 2 = 0.83, 3 = 0.64, 4 = 0.67, 5 = 0.90, 6 = 0.31, 7 = 0.37, 8 = 0.64, 9 = 0.90, 11 = 0.90, 12 = 0.68, 13 = 0.31, 14 = 0.31, 15 = 0.31, 16 = 0.26, 17 = 0.47, 18 = 0.31, 19 = 0.31, 20 = 0.31, 21 = 0.90, 22 = 0.47,
 23 = 0.35, 24 = 0.31, 25 = 0.31, 26 = 0.31, 27 = 0.31, 28 = 0.31, 29 = 0.31 and 30 = 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
 - 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) 18, 15 except (jt=lb) 11=347, 21=753, 12=593, 17=791, 14=163, 13=145, 19=124, 20=155.
 - 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 2000.0lb 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

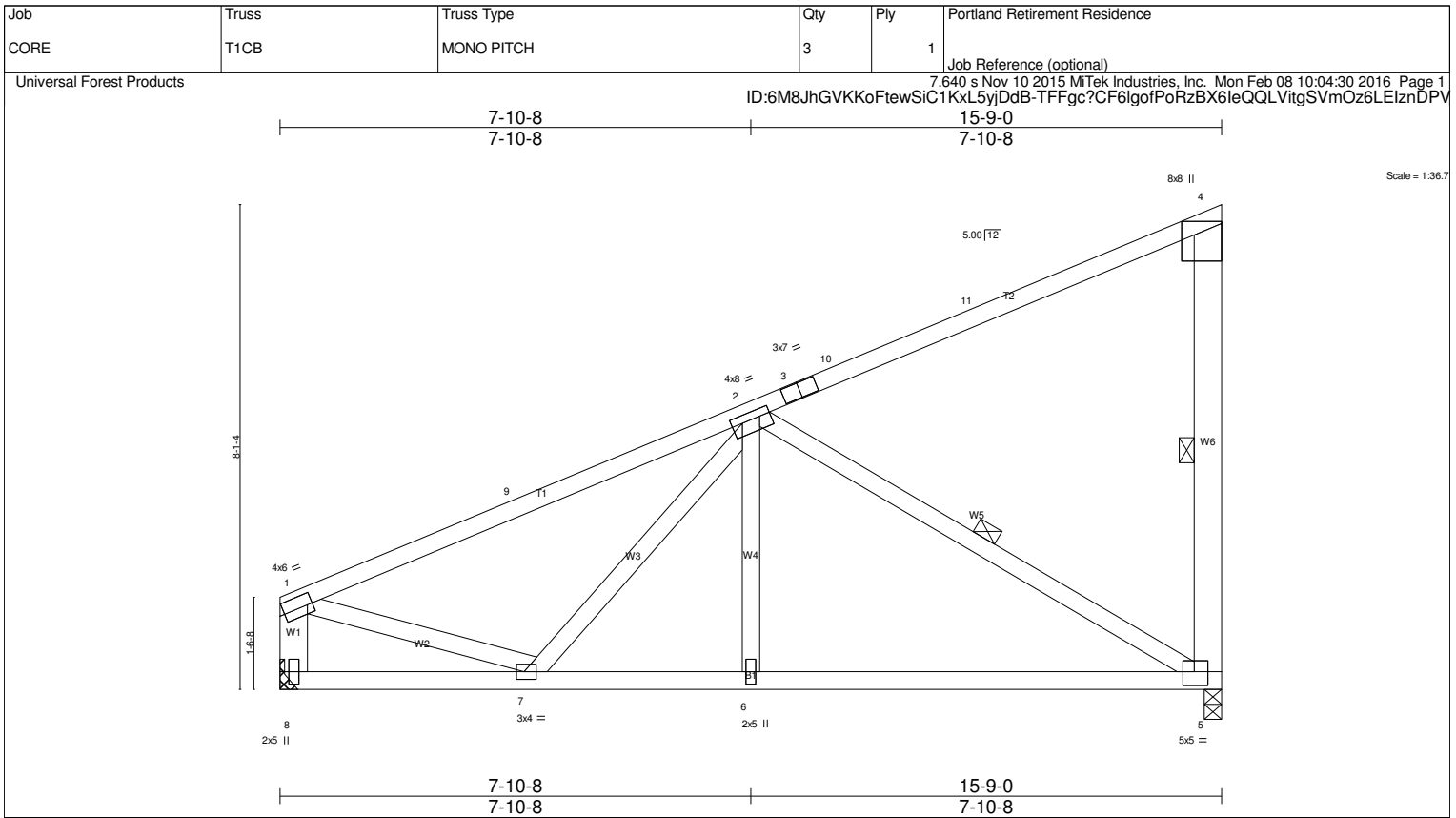


Plate Offsets (X,Y)-- [1:Edge,0-2-4], [2:0-4-0,0-1-8], [4:0-2-12,Edge], [5:0-2-4,0-2-12], [7:0-1-8,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.67 BC 0.50	in (loc) l/defl L/d Vert(LL) -0.07 5-6 >999 360 Vert(TL) -0.18 5-6 >999 240 Horz(TL) -0.02 8 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES	WB 0.46			
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 78 lb	FT = 4%
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x4 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W6,W1: 2x6 SPF No.2	WEBS 1 Row at midpt 4-5, 2-5

REACTIONS. (lb/size) 5=872/0-3-8, 8=872/Mechanical
 Max Horz 5=399(LC 9)
 Max Uplift 5=391(LC 9), 8=178(LC 9)
 Max Grav 5=1069(LC 2), 8=922(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-9=-1054/175, 2-9=-841/187, 2-3=-276/0, 4-5=-464/195, 1-8=-869/199
 BOT CHORD 7-8=-156/359, 6-7=-15/960, 5-6=-15/960
 WEBS 2-6=0/260, 2-5=-1011/453, 1-7=0/558

JOINT STRESS INDEX
 1 = 0.94, 2 = 0.25, 3 = 0.88, 4 = 0.91, 5 = 0.59, 6 = 0.17, 7 = 0.47 and 8 = 0.77

- 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) 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) 5=391, 8=178.
 - 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
CORE	T1CBSHR	MONO TRUSS	1	1	

Universal Forest Products
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 ID:mftsDNfrVUmA4mM0vZYIqdyJdD?-xRo3pLDtt2ofHZNeXv2Lrsyceu1pPsmwcdsumkznDPU

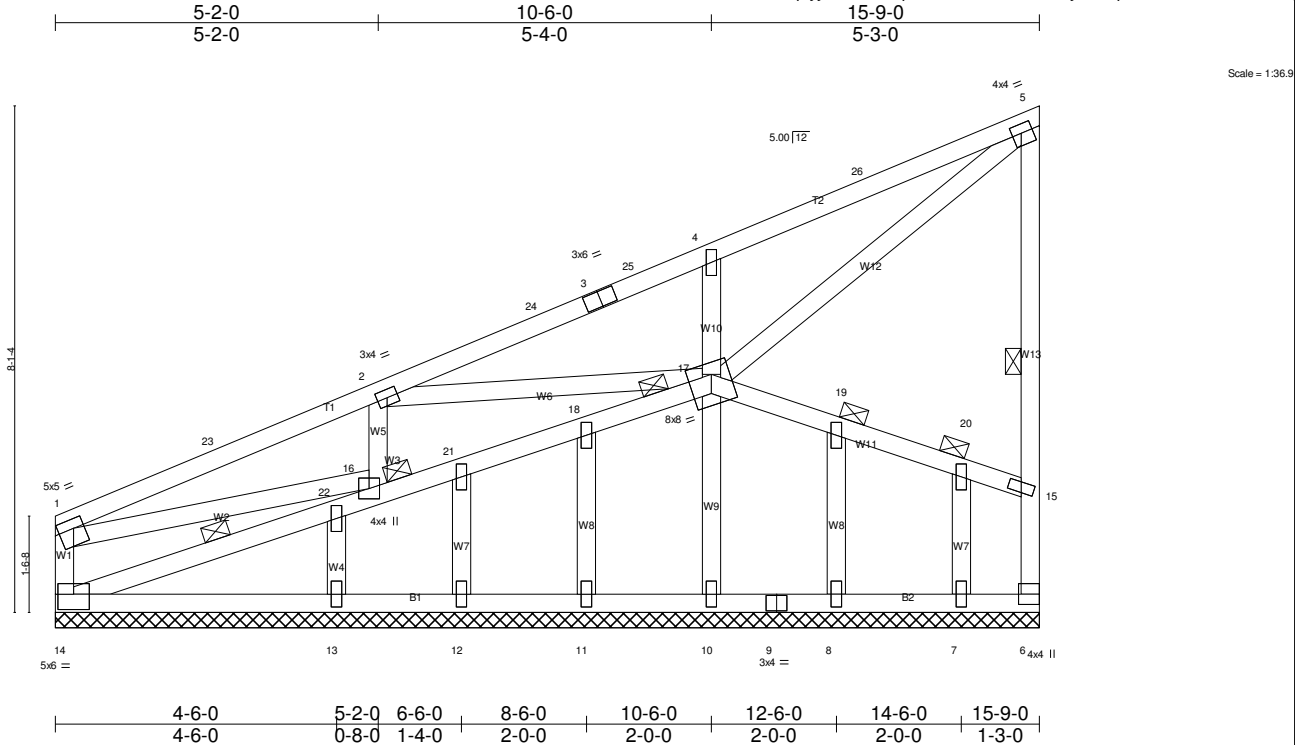


Plate Offsets (X,Y)-- [1:0-2-0,0-1-12], [5:0-1-12,0-1-12], [6:Edge,0-3-8], [14:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.64 Lumber DOL 1.15	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) -0.02 7 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES	WB 0.65			
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)		Weight: 103 lb	FT = 4%
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-6 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 4-2-11 oc bracing.
WEBS 2x4 SPF No.3 *Except* W3: 2x4 SPF No.2	WEBS 1 Row at midpt 5-6, 14-16
	JOINTS 1 Brace at Jt(s): 16, 17, 19, 20

REACTIONS. All bearings 15-9-0.
 (lb) - Max Horz 14=393(LC 22)
 Max Uplift All uplift 100 lb or less at joint(s) 11 except 6=509(LC 28), 14=1031(LC 29), 10=259(LC 21), 7=128(LC 23), 12=106(LC 27), 13=163(LC 28)
 Max Grav All reactions 250 lb or less at joint(s) 11, 8, 7, 12 except 6=609(LC 15), 14=1243(LC 14), 10=843(LC 16), 13=399(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 1-23=-1264/1072, 2-23=-828/704, 2-24=-1104/1016, 3-24=-729/665, 3-25=-571/573, 4-25=-428/458, 4-26=-189/330, 5-26=-424/545, 6-15=-469/360, 5-15=-456/270, 1-14=-613/466
 13-14=-1866/1885, 12-13=-1346/1321, 11-12=-1067/1078, 10-11=-838/824, 9-10=-578/571, 8-9=-349/394, 7-8=-324/317
 BOT CHORD 14-22=-2300/2060, 16-22=-2277/2042, 16-21=-1273/1166, 18-21=-1266/1112, 17-18=-1292/1144, 17-19=-328/301, 19-20=-331/303, 15-20=-329/301, 2-16=-644/433, 2-17=-801/860, 4-17=-718/313, 5-17=-630/574, 1-16=-913/987, 10-17=-799/272, 13-22=-300/172

JOINT STRESS INDEX
 1 = 0.92, 2 = 0.53, 3 = 0.66, 4 = 0.29, 5 = 0.95, 6 = 0.73, 7 = 0.00, 8 = 0.01, 9 = 0.17, 10 = 0.27, 11 = 0.06, 12 = 0.06, 13 = 0.10, 14 = 0.82, 15 = 0.19, 16 = 0.58, 17 = 0.31, 18 = 0.05, 19 = 0.01, 20 = 0.00, 21 = 0.10 and 22 = 0.16

- 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 2x5 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 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) 11 except (jt=lb) 6=509, 14=1031, 10=259, 7=128, 12=106, 13=163.
 - 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.
 - 11) 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 15-9-0 for 127.0 plf.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T1DV	SPECIAL	13	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:32 2016 Page 1
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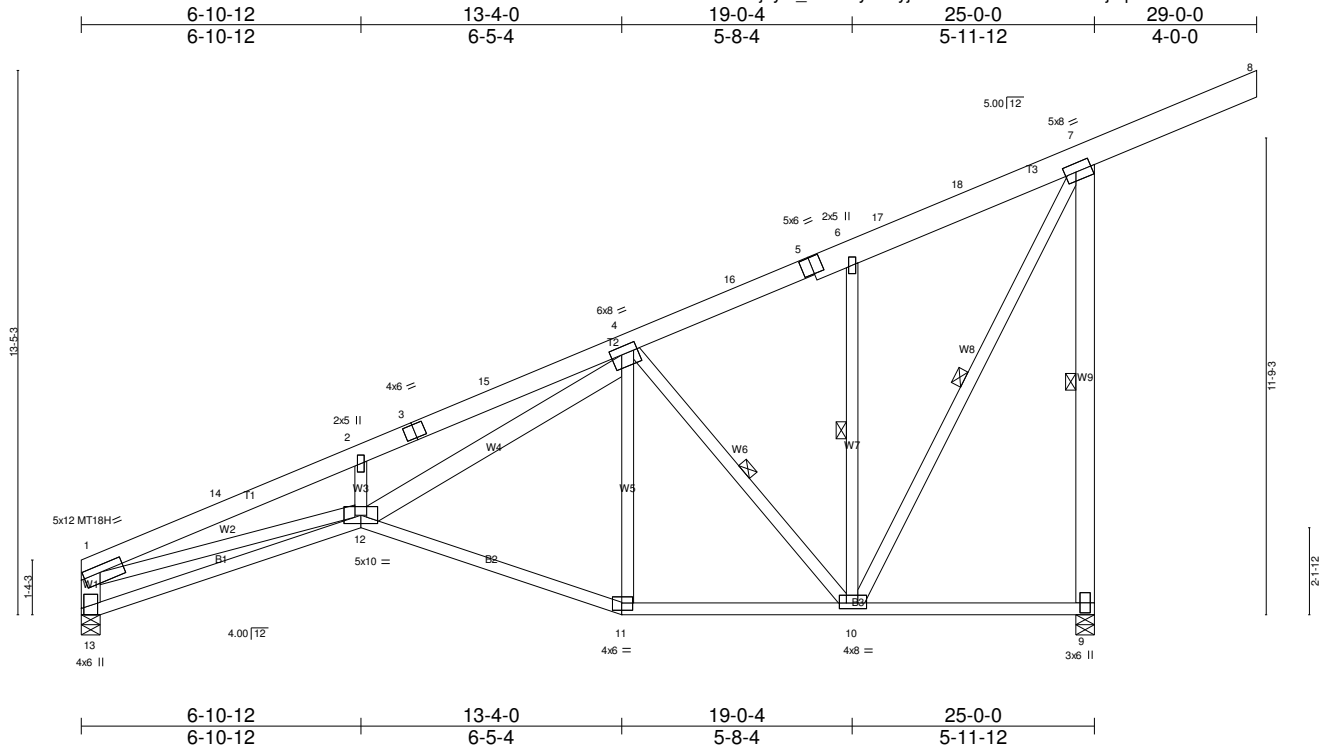


Plate Offsets (X,Y)-- [1:0-5-0-0-2-0], [4:0-3-2-0-2-4], [7:0-3-4-0-2-8], [10:0-2-0-0-1-12], [11:0-3-4-0-2-4]

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 0.97 BC 0.51 WB 0.81 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.31 11-12 >944 360 Vert(TL) -0.53 11-12 >555 240 Horz(TL) 0.25 9 n/a n/a	PLATES GRIP MT20 197/144 MT18H 197/144 Weight: 176 lb FT = 4%
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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* W9,W4,W1: 2x6 SPF No.2, W2: 2x4 SPF No.2	BRACING- TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. WEBS 1 Row at midpt 7-9, 4-10, 6-10, 7-10
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REACTIONS. (lb/size) 9=1831/0-5-8, 13=1365/0-5-8
 Max Horz 13=665(LC 6)
 Max Uplift 9=898(LC 9), 13=308(LC 9)
 Max Grav 9=2358(LC 2), 13=1371(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-14=-4387/1245, 2-14=-4229/1256, 2-3=-4297/1388, 3-15=-4229/1393, 4-15=-4202/1405, 4-16=-826/111, 5-16=-700/121, 5-6=-666/128,
 6-17=-745/156, 17-18=-700/163, 7-18=-550/172, 7-8=-283/0, 7-9=-2299/952, 1-13=-1508/516
 BOT CHORD 12-13=-736/755, 11-12=-384/1396, 10-11=-361/1322
 WEBS 2-12=-457/333, 4-12=-1244/3117, 4-11=-285/178, 4-10=-1048/491, 6-10=-365/243, 7-10=-482/1425, 1-12=-851/3237

JOINT STRESS INDEX
 1 = 0.90, 2 = 0.31, 3 = 0.91, 4 = 0.93, 5 = 0.38, 6 = 0.31, 7 = 0.97, 9 = 1.00, 10 = 0.94, 11 = 0.84, 12 = 0.86 and 13 = 0.87

- 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 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) 13 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=898, 13=308.
 - 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
CORE	T1DVSHR	SPECIAL	2	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:34 2016 Page 1
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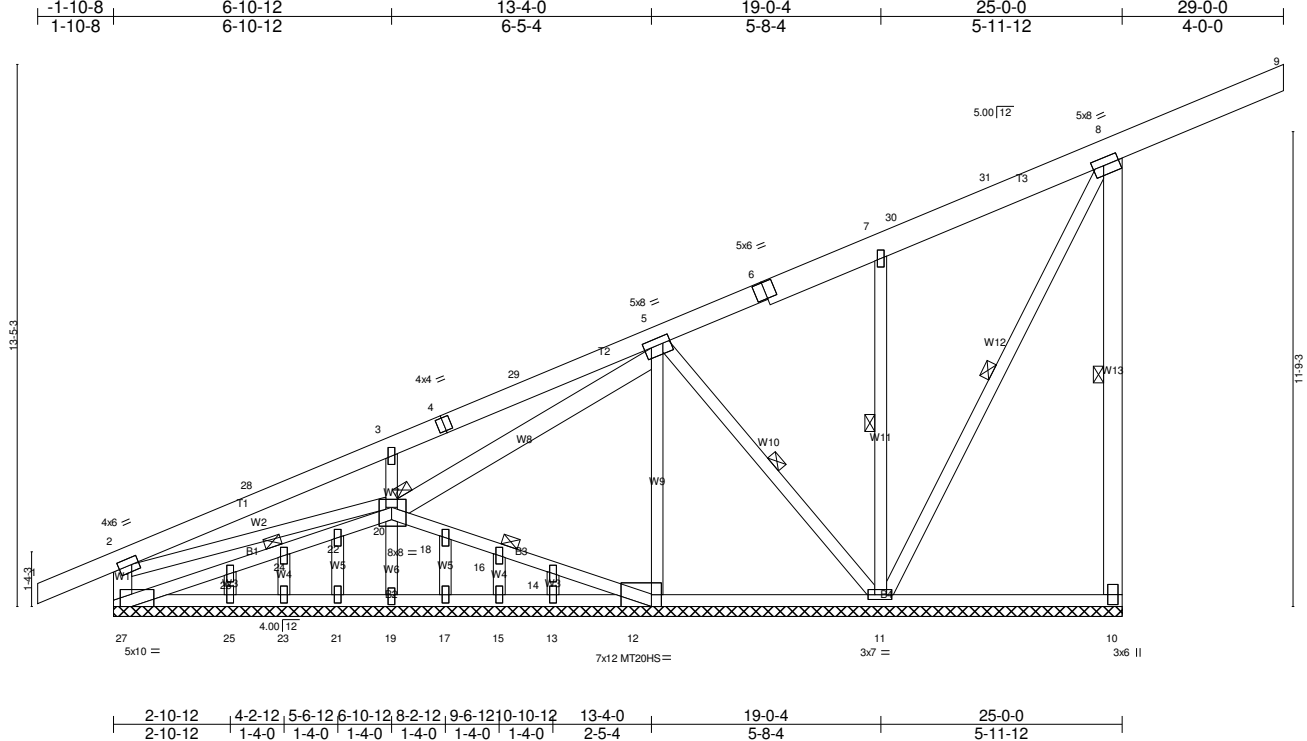


Plate Offsets (X,Y)--	[2:0-2-0,0-2-0], [5:0-4-0,0-2-0], [8:0-3-4,0-2-4], [11:0-2-0,0-1-8], [12:0-3-0,Edge], [19:0-3-0,0-1-0], [20:0-3-12,0-6-2], [27:0-6-8,0-0-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.86 BC 0.33 WB 0.79 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.00 9 n/r 180 Vert(TL) -0.04 8-9 n/r 80 Horz(TL) -0.02 10 n/a n/a	MT20 MT20HS	197/144 148/108
Weight: 204 lb					FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 *Except* T3: 2x8 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 5-6-13 oc bracing.
WEBS 2x4 SPF No.3 *Except* W13,W8,W1: 2x6 SPF No.2	WEBS 1 Row at midpt 8-10, 5-11, 7-11, 8-11
	JOINTS 1 Brace at Jt(s): 20, 24, 16

REACTIONS. All bearings 25-0-0.
 (lb) - Max Horz 27=1695(LC 22)
 Max Uplift All uplift 100 lb or less at joint(s) 21, 23, 25, 17, 13 except 10=763(LC 29), 27=337(LC 28), 12=343(LC 28), 11=460(LC 29), 19=907(LC 28)
 Max Grav All reactions 250 lb or less at joint(s) 21, 23, 25, 17, 15, 13 except 10=1383(LC 16), 27=747(LC 15), 12=728(LC 15), 11=1180(LC 16), 19=1313(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-28=877/679, 3-28=572/457, 3-4=298/192, 4-29=250/228, 5-29=483/524, 5-6=1172/896, 6-7=933/697, 7-30=631/401, 30-31=582/373, 8-31=482/601, 8-9=283/0, 8-10=1336/819, 2-27=730/483
 BOT CHORD 26-27=582/313, 24-26=527/237, 22-24=641/362, 20-22=766/488, 18-20=1048/1116, 16-18=929/1014, 14-16=825/900, 12-14=717/802, 11-12=638/516, 10-11=637/627, 25-27=1142/1027, 23-25=950/813, 21-23=832/707, 19-21=736/600, 17-19=630/493, 15-17=523/387, 13-15=416/280, 12-13=295/166
 WEBS 3-20=648/397, 5-20=1217/968, 5-12=771/558, 5-11=848/865, 7-11=451/248, 8-11=689/448, 2-20=626/719, 19-20=1286/920

JOINT STRESS INDEX
 2 = 0.82, 3 = 0.31, 4 = 0.50, 5 = 0.49, 6 = 0.58, 7 = 0.31, 8 = 0.99, 10 = 0.99, 11 = 0.92, 12 = 0.42, 13 = 0.31, 14 = 0.31, 15 = 0.31, 16 = 0.31, 17 = 0.31, 18 = 0.31, 19 = 0.54, 20 = 0.43, 21 = 0.31, 22 = 0.31, 23 = 0.31, 24 = 0.31, 25 = 0.31, 26 = 0.31 and 27 = 0.77

- 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 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) Gable requires continuous bottom chord bearing.
 - 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) 21, 23, 25, 17, 13 except (jt=lb) 10=763, 27=337, 12=343, 11=460, 19=907.
 - 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) 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
CORE	T1DW	SPECIAL	1	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:35 2016 Page 1
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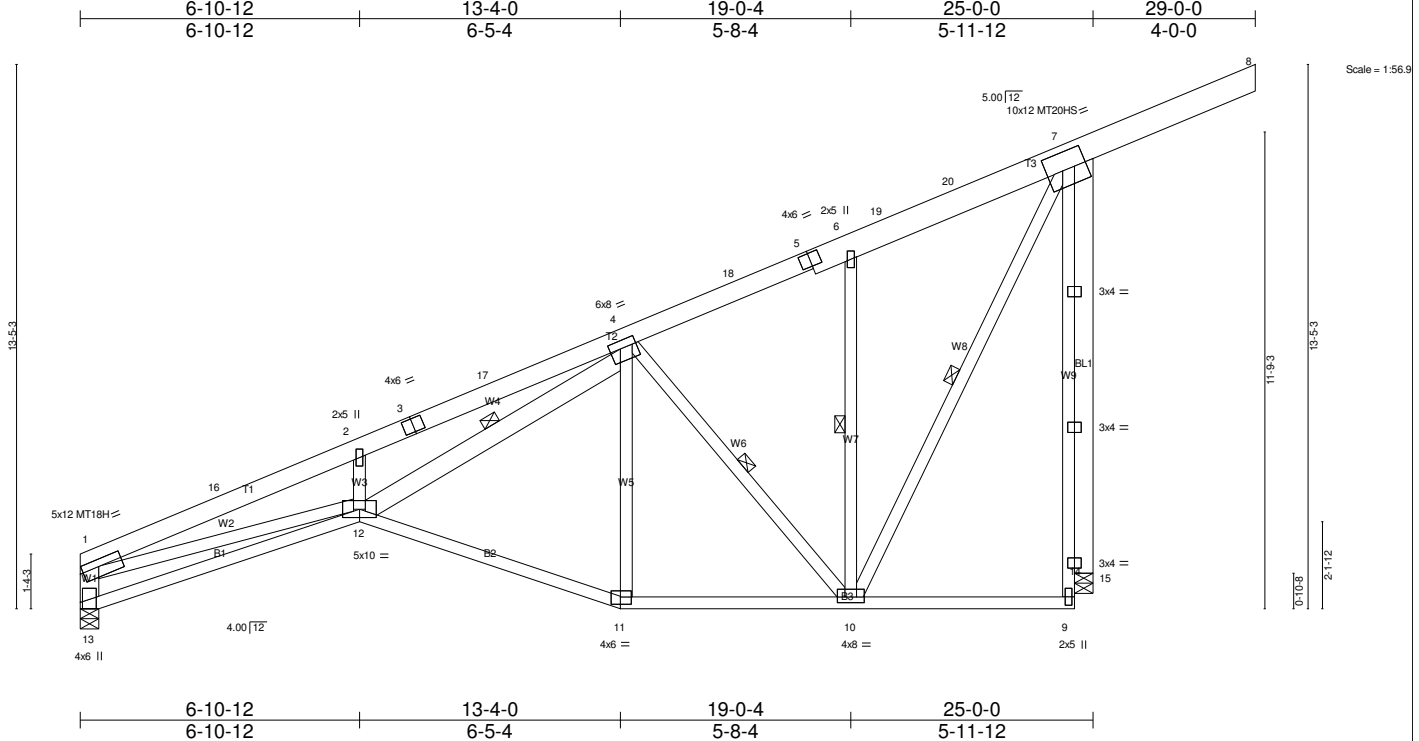


Plate Offsets (X,Y)-- [1:0-5-0-0-2-0], [4:0-3-2,0-2-4], [7:0-4-12,0-5-4], [10:0-4-0-1-1-12], [11:0-3-4-0-2-4]

LOADING (psf)	SPACING	CSI	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.61 BC 0.51 WB 0.79 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.31 11-12 >952 360 Vert(TL) -0.53 11-12 >558 240 Horz(TL) 0.22 15 n/a n/a	MT20 MT20HS MT18H Weight: 195 lb	197/144 148/108 197/144 FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 *Except* T3: 2x8 SP DSS	TOP CHORD Structural wood sheathing directly applied or 3-0-3 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-1 oc bracing.
WEBS 2x4 SPF No.3 *Except* W4,W1: 2x6 SPF No.2, W2: 2x4 SPF No.2	WEBS 1 Row at midpt 4-12, 4-10, 6-10, 7-10
OTHERS 2x6 SPF No.2	

REACTIONS. (lb/size) 13=1365/0-5-8, 15=1823/0-5-8
 Max Horz 13=717(LC 9)
 Max Uplift 13=220(LC 9), 15=997(LC 9)
 Max Grav 13=1371(LC 2), 15=2351(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-16=-4385/1367, 2-16=-4227/1377, 2-3=-4295/1510, 3-17=-4227/1515, 4-17=-4200/1527, 4-18=-824/0, 5-18=-694/0, 5-6=-664/0,
 6-19=-707/52, 19-20=-616/64, 7-20=-538/78, 7-8=-308/0, 1-13=-1508/541
 BOT CHORD 12-13=-948/756, 11-12=-573/1398, 10-11=-542/1323
 WEBS 2-12=-456/333, 4-12=-1589/3114, 4-11=-286/228, 4-10=-1058/503, 6-10=-305/309, 7-10=-499/1305, 1-12=-978/3235

JOINT STRESS INDEX
 1 = 0.90, 2 = 0.31, 3 = 0.90, 4 = 0.93, 5 = 0.53, 6 = 0.31, 7 = 0.74, 9 = 0.65, 10 = 0.91, 11 = 0.84, 12 = 0.86, 13 = 0.87, 14 = 0.00, 14 = 0.26 and 14 = 0.26

- 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 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) 13, 15 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) 13=220, 15=997.
 - 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
CORE	T1FV	MONO TRUSS	5	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:36 2016 Page 1
 ID:mftsDNfrVUmA4mM0vZYlqdyjDd?-IPcys3H0ibQxNKfKSeWXvgOEvhH44ofmvZfRyznDPP

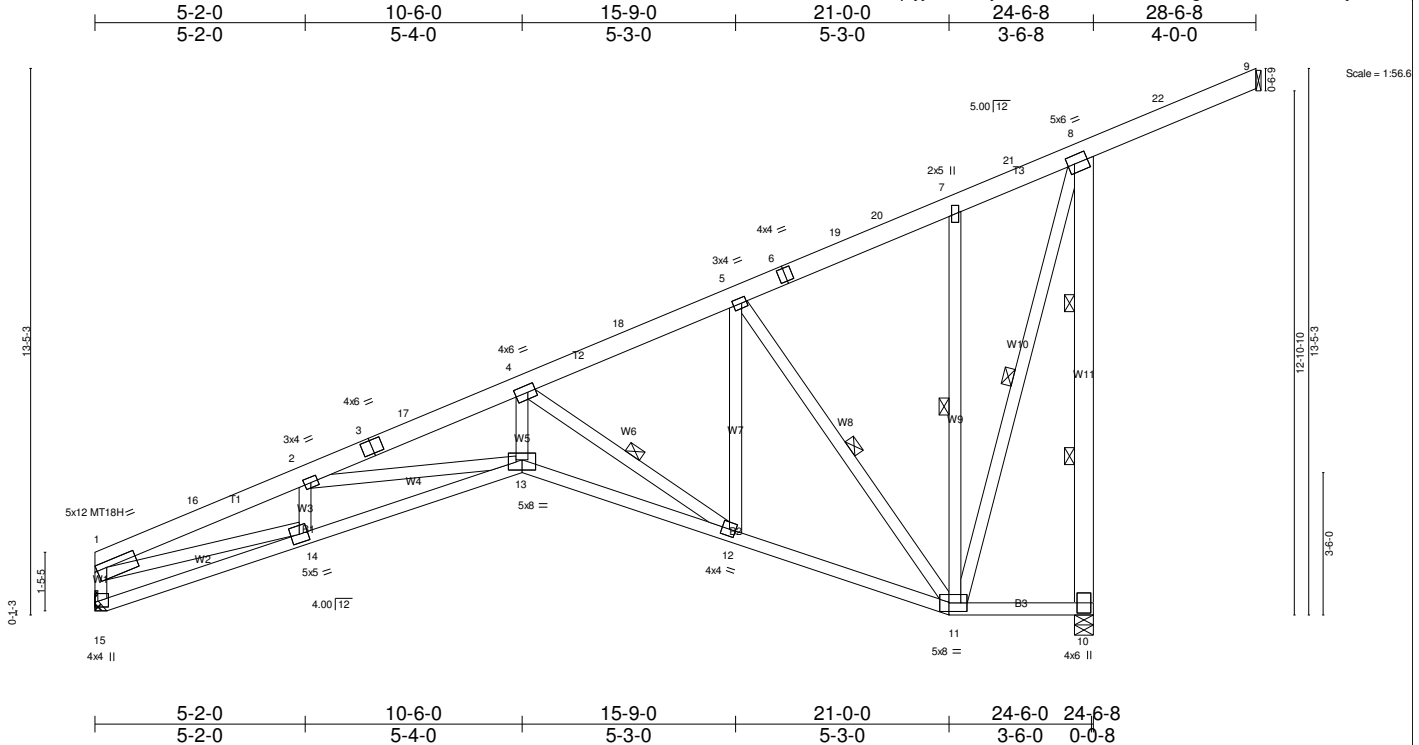


Plate Offsets (X,Y)--	[1:0-3-0-0-1-12], [4:0-2-4-0-2-0], [5:0-1-8-0-1-8], [8:0-2-0-0-2-8], [11:0-5-4-0-2-8], [12:0-1-12,0-2-0], [13:0-4-0-0-3-0]
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LOADING (psf)	SPACING	CSI	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.90 BC 0.82 WB 0.86 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.33 13-14 >876 360 Vert(TL) -0.51 13-14 >572 240 Horz(TL) -0.35 15 n/a n/a	MT20 MT18H	197/144 197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0	Rep Stress Incr YES Code IBC2009/TPI2007			Weight: 168 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 *Except* T3: 2x6 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W11: 2x6 SPF No.2, W2: 2x4 SPF No.2	WEBS 1 Row at midpt 4-12, 5-11, 7-11, 8-11 2 Rows at 1/3 pts 8-10

REACTIONS. (lb/size) 9=0/Mechanical, 10=2085/0-5-8, 15=1061/Mechanical
 Max Horz 9=524(LC 1), 10=524(LC 1)
 Max Uplift 10=733(LC 9), 15=364(LC 9)
 Max Grav 10=2541(LC 2), 15=1131(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-16=-3068/915, 2-16=-2964/923, 2-3=-3106/834, 3-17=-3029/838, 4-17=-3027/846, 4-18=-812/330, 5-18=-660/340, 5-6=-296/242,
 6-19=-281/288, 19-20=-276/319, 7-20=-270/366, 7-21=-167/509, 8-21=-152/566, 8-22=-349/348, 9-22=-338/469, 8-10=-2529/806,
 1-15=-1155/401
 BOT CHORD 14-15=-76/311, 13-14=-797/2898, 12-13=-595/2954, 11-12=-42/756, 10-11=-553/426
 WEBS 2-14=-480/220, 2-13=-424/277, 4-13=-377/1940, 4-12=-2575/719, 5-12=-164/922, 5-11=-1497/494, 7-11=-151/259, 1-14=-681/2460,
 8-11=-423/1050

JOINT STRESS INDEX
 1 = 0.89, 2 = 0.64, 3 = 0.74, 4 = 0.90, 5 = 0.87, 6 = 0.43, 7 = 0.31, 8 = 0.94, 10 = 0.89, 11 = 0.80, 12 = 0.95, 13 = 0.86, 14 = 0.89 and 15 = 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=733, 15=364.
 - 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
CORE	T1FX	MONO TRUSS	1	1	

Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:37 2016 Page 1
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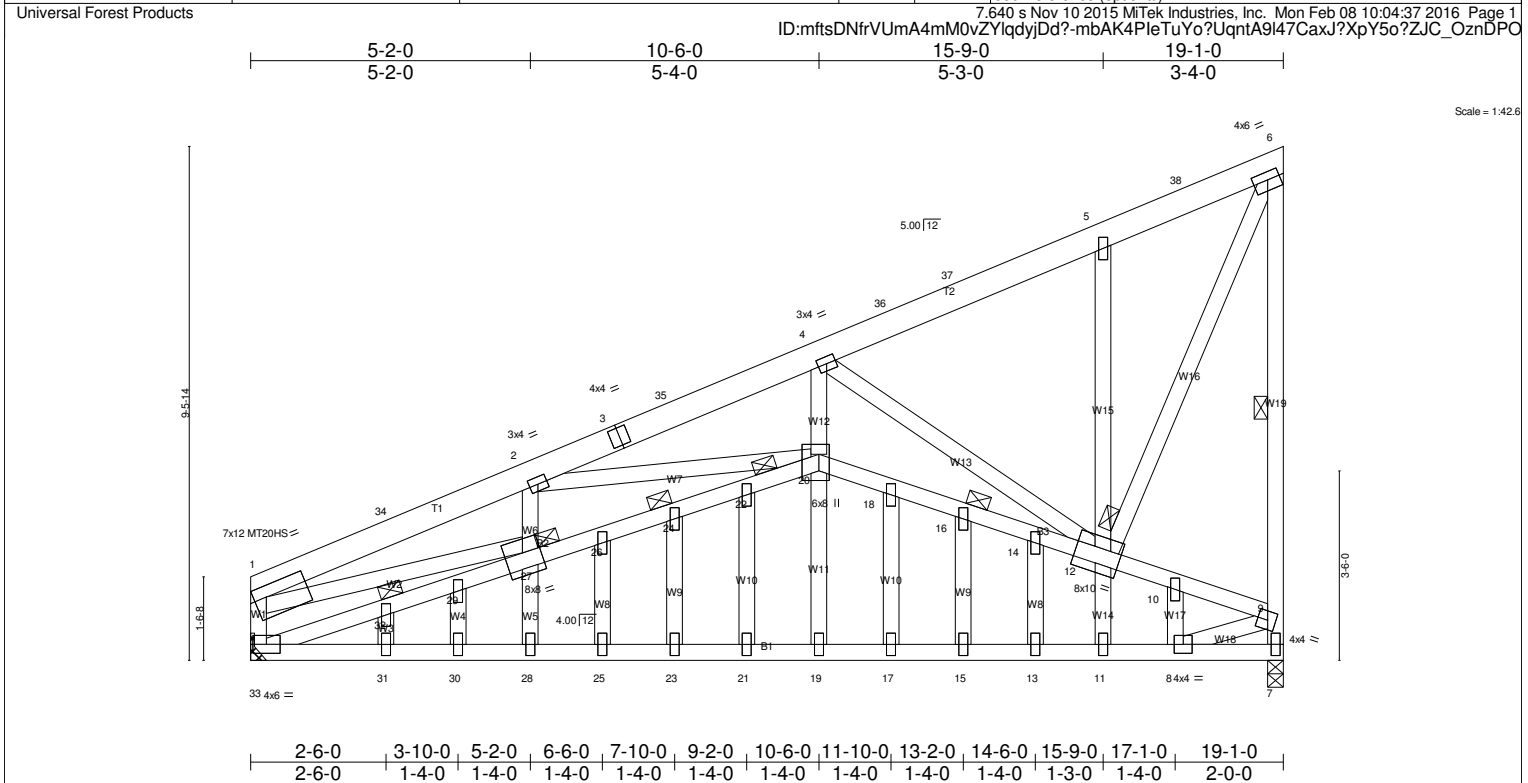


Plate Offsets (X,Y)-- [1:Edge,0-2-8], [6:0-2-12,0-1-12], [9:0-2-4,0-2-0], [12:0-2-6,0-2-8], [20:0-4-0,0-2-4], [27:0-4-0,0-3-0]
--

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.84 BC 0.88 WB 0.79 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.07 26 >999 360 Vert(TL) -0.15 24-26 >999 240 Horz(TL) -0.04 33 n/a n/a	MT20 MT20HS Weight: 157 lb	197/144 148/108 FT = 4%

LUMBER- TOP CHORD 2x6 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3 *Except* W19: 2x4 SPF No.2	BRACING- TOP CHORD Structural wood sheathing directly applied or 5-1-14 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 5-5-0 oc bracing: 27-33 10-0-0 oc bracing: 24-27, 20-24 1 Row at midpt 6-7 JOINTS 1 Brace at Jt(s): 27, 20, 12, 24, 16
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REACTIONS. (lb/size) 7=1259/0-3-8, 33=1259/Mechanical
 Max Horz 7=460(LC 6)
 Max Uplift 7=-303(LC 9), 33=-209(LC 9)
 Max Grav 7=1521(LC 2), 33=1320(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-34=1938/338, 2-34=1834/347, 2-3=1230/99, 3-35=1149/102, 4-35=1056/111, 4-36=446/80, 36-37=329/87, 5-37=320/94,
 5-38=457/160, 6-38=345/165, 7-9=1597/298, 6-9=702/176, 1-33=835/225
 BOT CHORD 32-33=1090/65, 29-32=1071/69, 27-29=1061/74, 26-27=127/443, 24-26=122/452, 22-24=118/459, 20-22=114/470, 18-20=308/243,
 16-18=320/237, 14-16=320/234, 12-14=347/227, 10-12=1449/468, 9-10=1400/449, 31-33=101/1364, 30-31=101/1364, 28-30=101/1364,
 25-28=102/1363, 23-25=102/1363, 21-23=102/1363, 19-21=102/1363, 17-19=102/1363, 15-17=102/1363, 13-15=102/1363,
 11-13=102/1363, 8-11=98/1342, 7-8=242/670
 WEBS 2-20=701/334, 4-20=0/461, 4-12=948/201, 5-12=644/180, 6-12=140/751, 8-9=336/1424, 1-27=177/1344

JOINT STRESS INDEX
 1 = 0.93, 2 = 0.64, 3 = 0.88, 4 = 0.64, 5 = 0.31, 6 = 0.97, 7 = 0.56, 8 = 0.86, 9 = 0.72, 10 = 0.31, 11 = 0.31, 12 = 0.51, 13 = 0.31, 14 = 0.31, 15 = 0.31, 16 = 0.31, 17 = 0.31, 18 = 0.31, 19 = 0.31, 20 = 0.45, 21 = 0.31, 22 = 0.31, 23 = 0.31, 24 = 0.31, 25 = 0.31, 26 = 0.31, 27 = 0.34, 28 = 0.31, 29 = 0.31, 30 = 0.31, 31 = 0.31, 32 = 0.31 and 33 = 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); 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) All plates are 2x5 MT20 unless otherwise indicated.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) 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=303, 33=209.
 - 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
CORE	T1FXSHR	MONO TRUSS	1	1	

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:38 2016 Page 1
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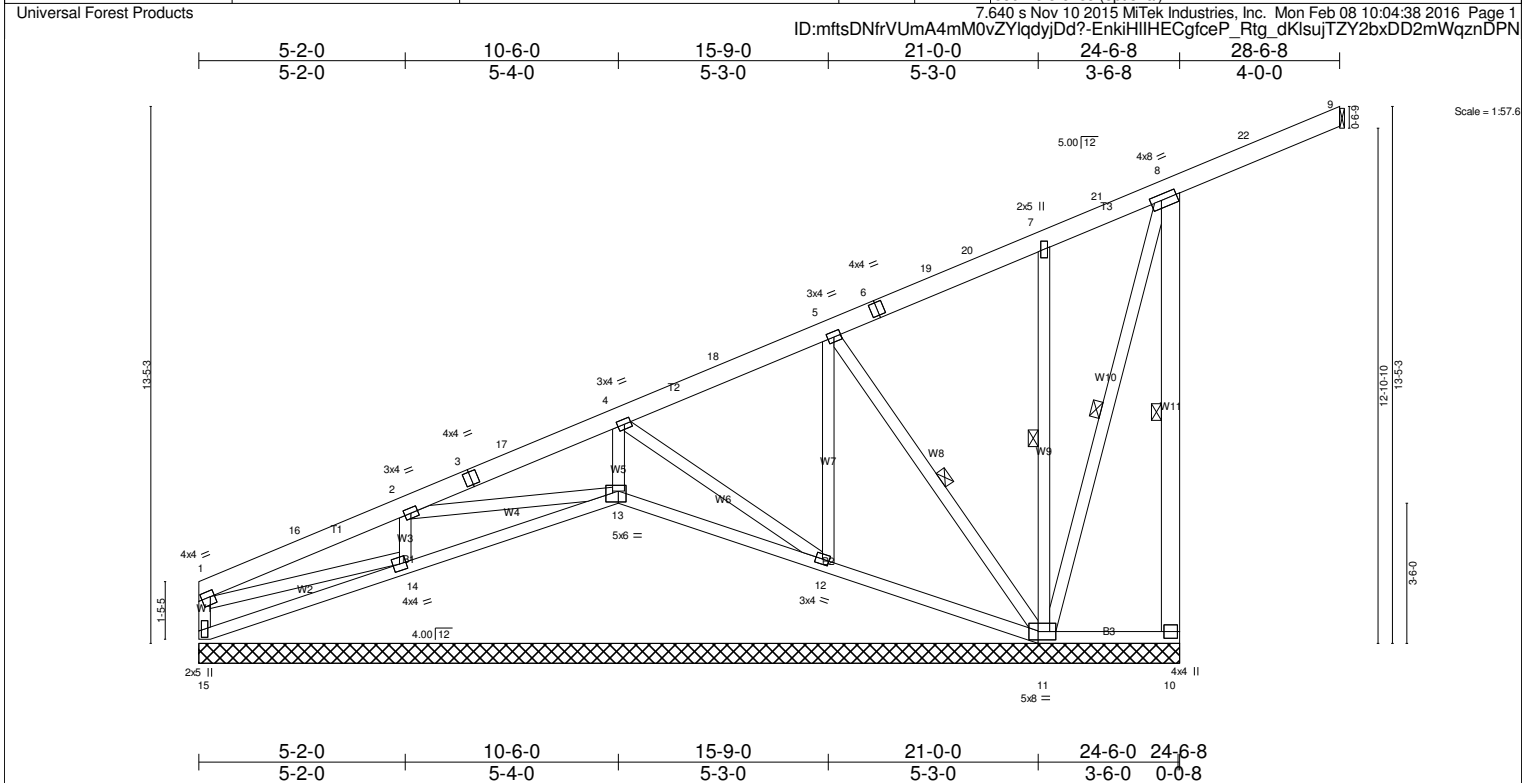


Plate Offsets (X,Y)-- [1:0-1-4,0-1-12], [8:0-3-4,0-1-12], [11:0-5-4,0-2-8], [13:0-2-4,0-3-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.44 BC 0.38 WB 0.58 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.03 10-11 >999 360 Vert(TL) -0.04 11-12 >999 240 Horz(TL) -0.02 10 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 168 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-10-9 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W11: 2x6 SPF No.2	WEBS 1 Row at midpt 8-10, 5-11, 7-11, 8-11

REACTIONS. All bearings 24-6-8 except (jt=length) 9=Mechanical.
 (lb) - Max Horz 9=-703(LC 48), 15=703(LC 48)
 Max Uplift All uplift 100 lb or less at joint(s) except 10=-257(LC 23), 15=-272(LC 30), 11=-506(LC 29), 14=-363(LC 28), 13=-818(LC 22), 12=-318(LC 28)
 Max Grav All reactions 250 lb or less at joint(s) except 10=548(LC 16), 15=675(LC 17), 11=1133(LC 16), 14=733(LC 15), 13=1226(LC 15), 12=699(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-16=-1023/686, 2-16=-655/452, 2-3=-1392/985, 3-17=-1061/758, 4-17=-1058/758, 4-18=-1539/1110, 5-18=-1005/774, 5-6=-1255/915, 6-19=-920/685, 19-20=-879/653, 7-20=-791/597, 7-21=-741/473, 8-21=-691/479, 8-22=-810/322, 9-22=-776/329, 8-10=-529/248, 1-15=-514/309
 BOT CHORD 14-15=-924/568, 13-14=-613/414, 12-13=-635/518, 11-12=-682/630, 10-11=-445/427
 WEBS 2-14=-781/526, 2-13=-650/740, 4-13=-1139/807, 4-12=-630/707, 5-12=-816/560, 5-11=-448/472, 7-11=-546/207, 1-14=-582/731, 8-11=-525/293

JOINT STRESS INDEX
 1 = 0.88, 2 = 0.64, 3 = 0.61, 4 = 0.84, 5 = 0.64, 6 = 0.40, 7 = 0.31, 8 = 0.94, 10 = 0.91, 11 = 0.48, 12 = 0.62, 13 = 0.69, 14 = 0.47 and 15 = 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); 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 257 lb uplift at joint 10, 272 lb uplift at joint 15, 506 lb uplift at joint 11, 363 lb uplift at joint 14, 818 lb uplift at joint 13 and 318 lb uplift at joint 12.
 - 8) Non Standard bearing condition. Review required.
 - 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.
 - 11) 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 24-6-8 for 81.5 plf.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T1SHR	MONO PITCH	2	1	

Universal Forest Products
 Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:39 2016 Page 1
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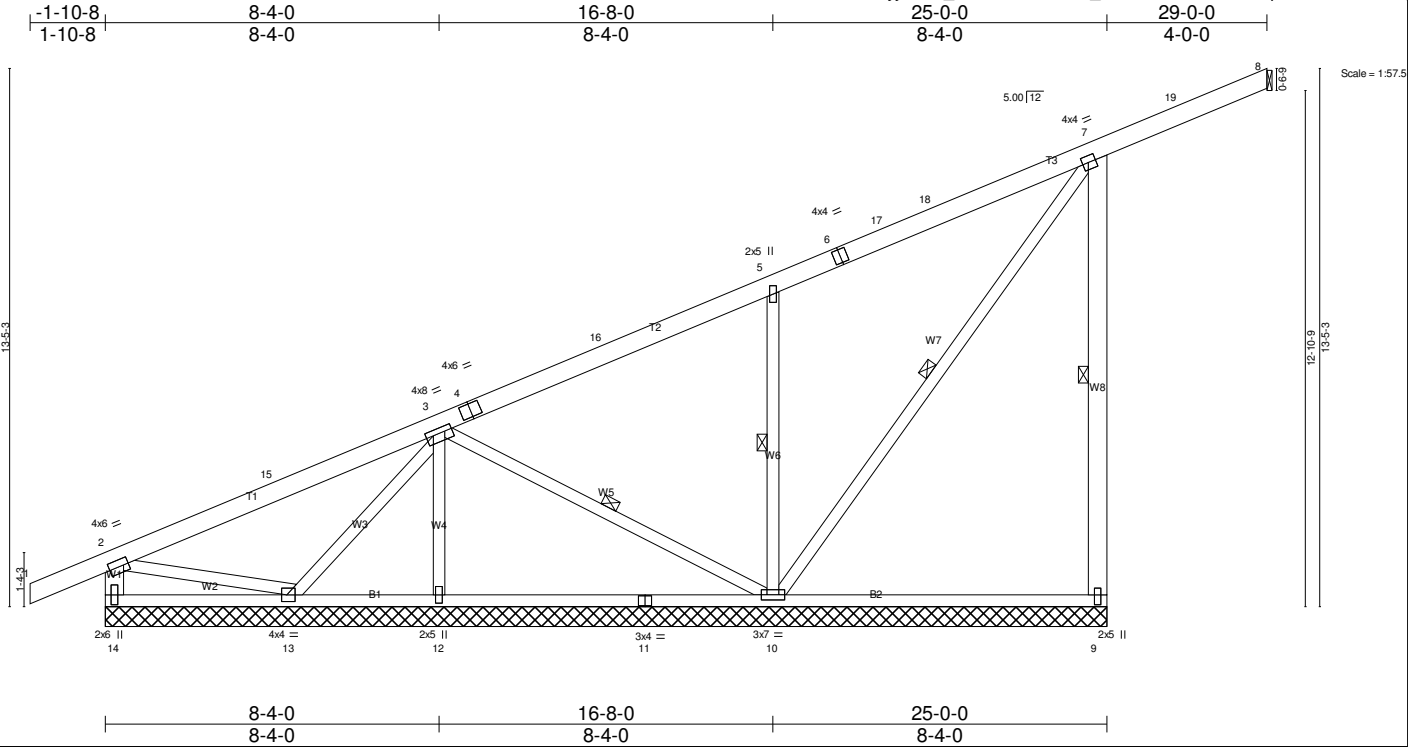


Plate Offsets (X,Y)-- [2:0-1-8,0-2-0], [3:0-4-0,0-1-8], [7:0-1-12,0-2-0], [9:0-3-0,0-1-0], [13:0-1-8,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.55 BC 0.52 WB 0.78 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.12 9-10 >807 360 Vert(TL) -0.30 9-10 >323 240 Horz(TL) -0.02 9 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 160 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-11-9 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W1,W8: 2x6 SPF No.2	WEBS 1 Row at midpt 3-10, 5-10, 7-10, 7-9

REACTIONS. All bearings 25-0-0 except (jt=length) 8=Mechanical.
 (lb) - Max Horz 8=720(LC 44), 14=720(LC 44)
 Max Uplift All uplift 100 lb or less at joint(s) except 14=589(LC 28), 12=532(LC 28), 10=542(LC 28), 13=302(LC 28), 9=586(LC 29)
 Max Grav All reactions 250 lb or less at joint(s) except 14=1113(LC 17), 12=888(LC 15), 10=1482(LC 17), 13=621(LC 17), 9=1198(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-15=1073/705, 3-15=571/366, 3-4=1468/1103, 4-16=1372/1038, 5-16=874/678, 5-6=786/360, 6-17=607/123, 17-18=603/57,
 7-18=583/334, 7-19=803/163, 8-19=792/174, 2-14=1055/614
 BOT CHORD 13-14=849/367, 12-13=944/794, 11-12=644/495, 10-11=374/225, 9-10=648/648
 WEBS 3-12=757/597, 3-10=831/865, 5-10=901/492, 7-10=780/460, 3-13=906/649, 2-13=800/999, 7-9=1136/617

JOINT STRESS INDEX
 2 = 0.84, 3 = 0.70, 4 = 0.78, 5 = 0.33, 6 = 0.69, 7 = 0.61, 9 = 0.39, 10 = 0.94, 11 = 0.66, 12 = 0.36, 13 = 0.64 and 14 = 0.64

- 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 589 lb uplift at joint 14, 532 lb uplift at joint 12, 542 lb uplift at joint 10, 302 lb uplift at joint 13 and 586 lb uplift at joint 9.
 - 9) Non Standard bearing condition. Review required.
 - 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 25-0-0 for 80.0 plf.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T1SSHR	MONO PITCH	1	1	

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:40 2016 Page 1
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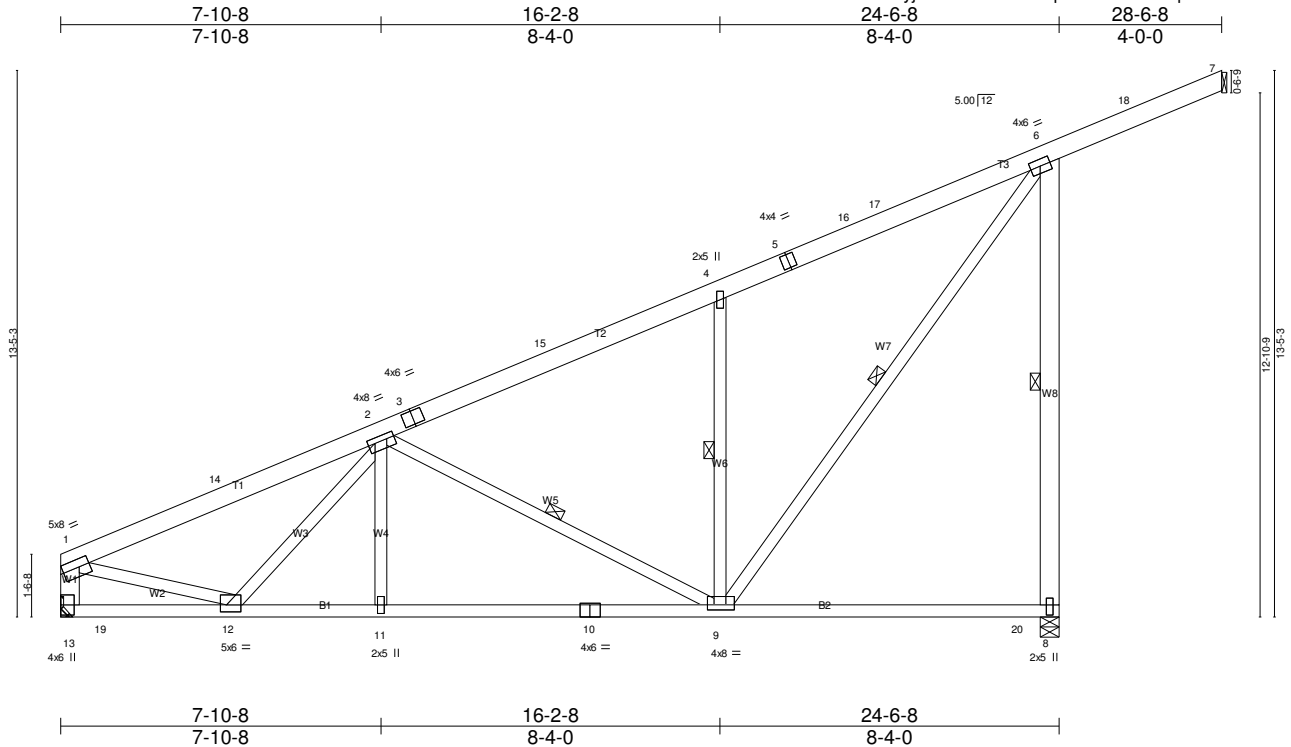


Plate Offsets (X,Y)-- [1:Edge,0-2-4], [2:0-4-0,0-1-8], [8:0-3-0,0-1-0], [9:0-2-0,0-1-8], [12:0-1-12,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.70 BC 0.74 WB 0.94 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.13 9-11 >999 360 Vert(TL) -0.34 8-9 >861 240 Horz(TL) -0.07 13 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 154 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-10-11 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 5-3-1 oc bracing.
WEBS 2x4 SPF No.3 *Except* W1,W8: 2x6 SPF No.2	WEBS 1 Row at midpt 2-9, 4-9, 6-9, 6-8

REACTIONS. (lb/size) 7=0/Mechanical, 13=1409/Mechanical, 8=1729/0-5-8
 Max Horz 7=-665(LC 44), 8=906(LC 29)
 Max Uplift 13=-1189(LC 28), 8=-844(LC 29)
 Max Grav 13=2371(LC 17), 8=2228(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-14=-3211/1652, 2-14=-2729/1067, 2-3=-2764/1425, 3-15=-2667/1359, 4-15=-2245/1071, 4-5=-2040/892, 5-16=-1630/612, 16-17=-1534/564,
 6-17=-1349/628, 6-18=-752/183, 7-18=-740/194, 1-13=-2293/1192
 BOT CHORD 13-19=-460/864, 12-19=-839/1084, 11-12=-992/2686, 10-11=-992/2686, 9-10=-992/2686, 9-20=-1200/1677, 8-20=-1200/1677
 WEBS 2-11=0/262, 2-9=-1110/737, 4-9=-853/497, 6-9=-920/1900, 2-12=-963/553, 1-12=-1228/2470, 6-8=-2164/875

JOINT STRESS INDEX
 1 = 0.98, 2 = 0.75, 3 = 0.64, 4 = 0.31, 5 = 0.66, 6 = 0.90, 8 = 0.63, 9 = 0.89, 10 = 0.78, 11 = 0.31, 12 = 0.87 and 13 = 0.94

- 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1189 lb uplift at joint 13 and 844 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) 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) 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 1-0-0, 23-6-8 to 24-6-8 for 1000.2 plf.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T3	MONO TRUSS	2	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 Mitek Industries, Inc. Mon Feb 08 10:04:41 2016 Page 1
 ID:HcCfHnHmp_ILBk9QmrhRy9hds-fMPqvmL9X72ET58Z6?DhEzNIRwTQlThOwAHQ79znDPK

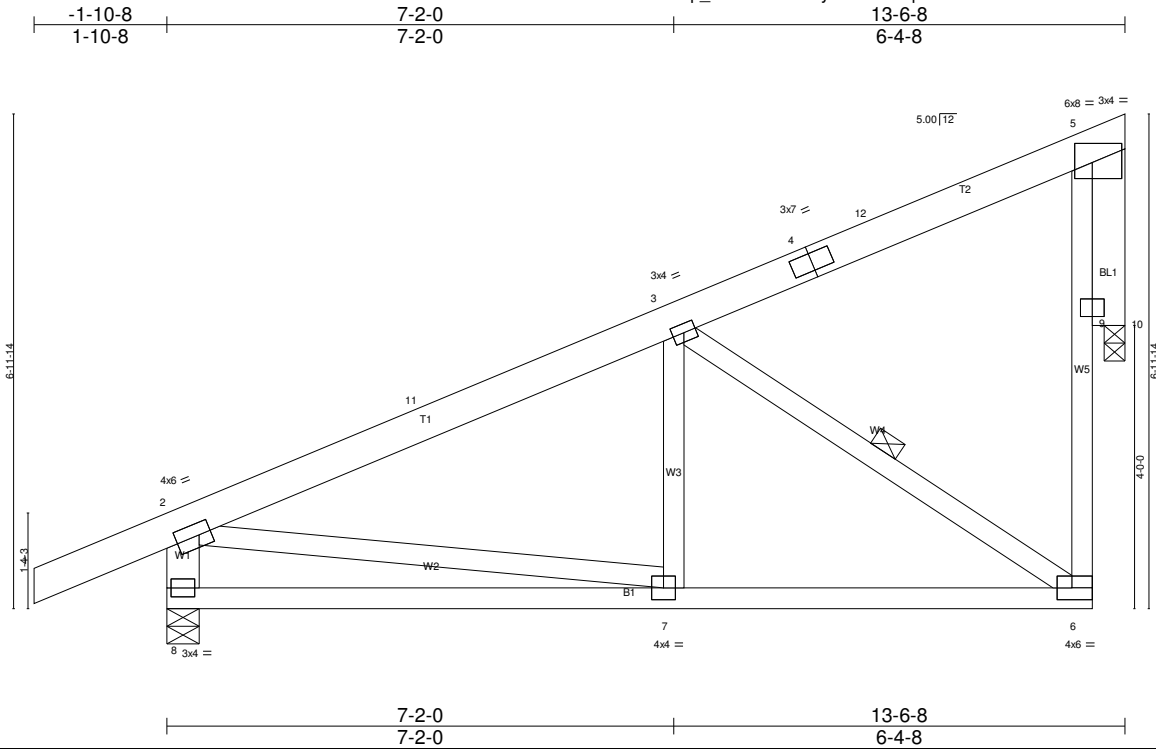


Plate Offsets (X,Y)-- [2:0-2-0,0-2-0], [5:0-3-0,0-3-4], [6:Edge,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.68 BC 0.50 WB 0.37 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.05 7-8 >999 360 Vert(TL) -0.10 7-8 >999 240 Horz(TL) 0.13 10 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 77 lb	FT = 4%

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: 2x6 SPF No.2
 OTHERS 2x6 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-11-12 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 3-6

REACTIONS. (lb/size) 8=1429/0-5-8, 10=822/0-3-8
 Max Horz 8=362(LC 9)
 Max Uplift 8=316(LC 9), 10=303(LC 9)
 Max Grav 8=1487(LC 2), 10=991(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-11=1300/121, 3-11=1096/132, 3-4=306/0, 6-9=191/705, 5-9=191/705, 2-8=1405/349
 BOT CHORD 7-8=336/350, 6-7=328/1012
 WEBS 3-6=1119/369, 2-7=0/688

JOINT STRESS INDEX
 2 = 0.82, 3 = 0.46, 4 = 0.75, 5 = 0.86, 6 = 0.82, 7 = 0.42, 8 = 0.92, 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=6ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever 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) 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 316 lb uplift at joint 8 and 303 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 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: 6-8=-20
 Trapezoidal Loads (plf)
 Vert: 1=-173-to-2=-162, 2=-162-to-5=-97
- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 6-8=-20
 Trapezoidal Loads (plf)
 Vert: 1=-173-to-2=-162, 2=-162-to-3=-127, 3=-166-to-5=-136
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 6-8=-20

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T3	MONO TRUSS	2	1	Job Reference (optional)

Universal Forest Products

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 ID:HCcFtHnHmp_ILBk9QmrdrhRy9hds-fMPqvmL9X72ET58Z6?DhEzNIRwtQIThOwAHQ79znDPK

LOAD CASE(S) Standard

Trapezoidal Loads (plf)

Vert: 1=-117-to-2=-106, 2=-106-to-5=-41

13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 6-8=-20

Trapezoidal Loads (plf)

Vert: 1=-253-to-2=-242, 2=-82-to-5=-17

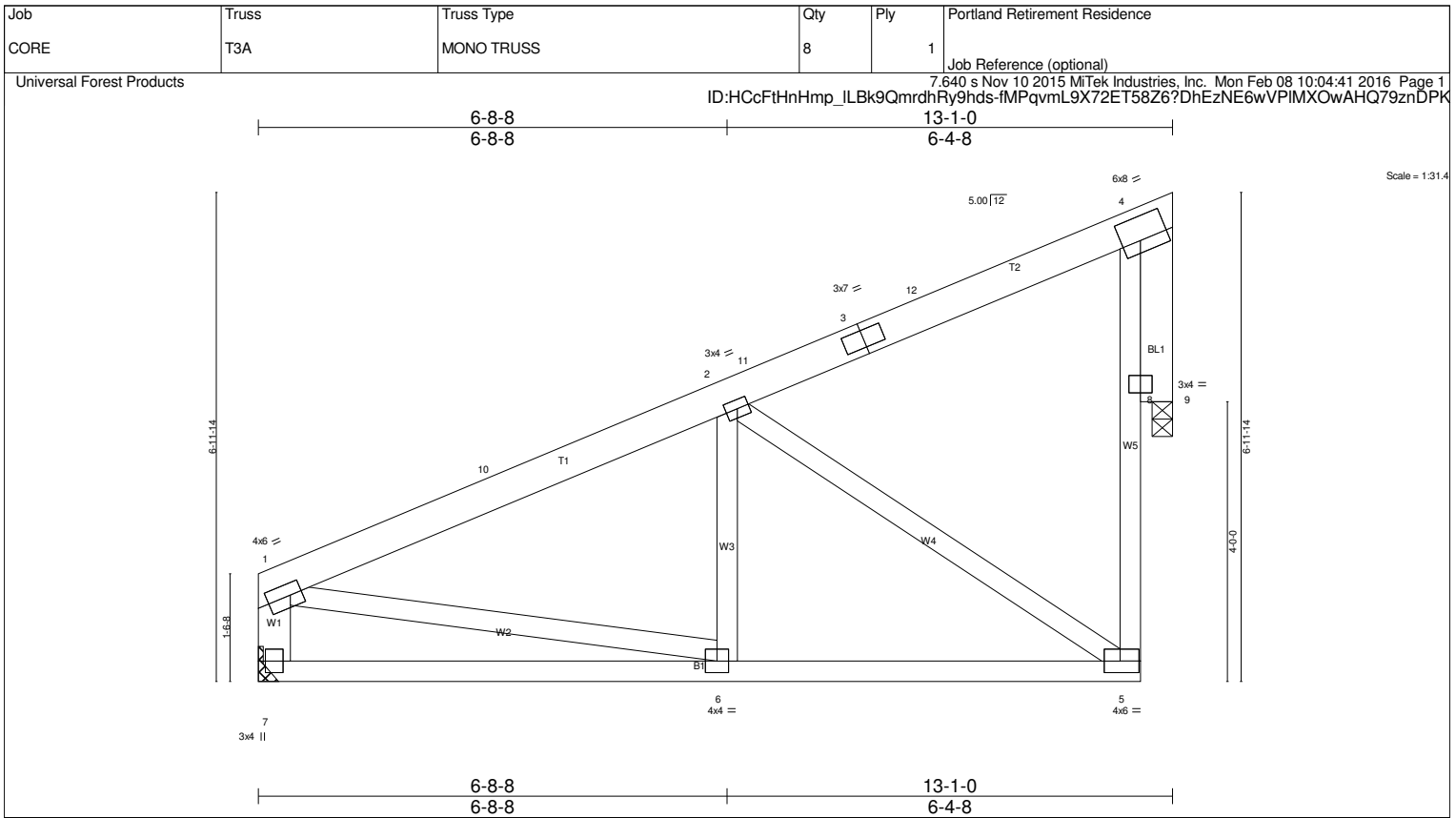


Plate Offsets (X,Y)-- [1:0-2-0,0-2-0], [4:0-3-4,0-4-0], [5:0-2-12,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.96 BC 0.37 WB 0.83 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.03 6-7 >999 360 Vert(TL) -0.07 6-7 >999 240 Horz(TL) 0.12 9 n/a n/a	MT20	197/144
				Weight: 72 lb	FT = 4%

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 9-5-11 oc bracing.

REACTIONS. (lb/size) 7=723/Mechanical, 9=673/0-3-8
Max Horz 7=326(LC 9)
Max Uplift 7=-150(LC 9), 9=-307(LC 9)
Max Grav 7=768(LC 2), 9=810(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-940/128, 2-10=-734/139, 5-8=-195/545, 4-8=-195/545, 1-7=-694/180
BOT CHORD 6-7=-385/302, 5-6=-333/768
WEBS 2-5=-841/377, 1-6=0/486

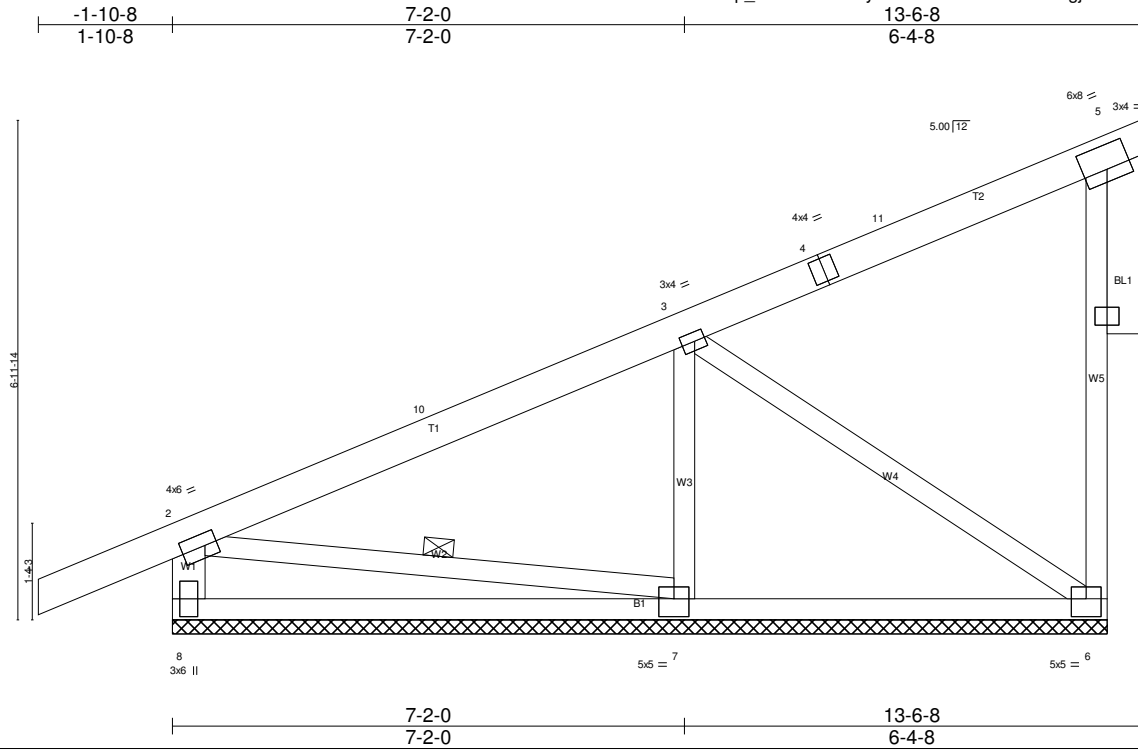
JOINT STRESS INDEX
1 = 0.84, 2 = 0.34, 3 = 0.74, 4 = 0.85, 5 = 0.84, 6 = 0.30, 7 = 0.90, 8 = 0.00 and 8 = 0.00

- 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) 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) 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.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 7 and 307 lb uplift at joint 9.
 - 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
CORE	T3SHR	MONO TRUSS	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:42 2016 Page 1
 ID:HCCfHnHmp_ILBk9QmrdhRy9hds-7ZzD76LnIRA55FilgjlwnAvW3Kr0UnvX8q0zfbznDPJ



Scale: 3/8"=1'

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.50 BC 0.35 WB 0.94 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.00 1 n/r 180 Vert(TL) -0.00 1 n/r 80 Horz(TL) -0.01 6 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 77 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 5-2-14 oc bracing.
WEBS 2x4 SPF No.3 *Except* W1: 2x6 SPF No.2	WEBS 1 Row at midpt 2-7
OTHERS 2x6 SPF No.2	

REACTIONS. (lb/size) 6=363/13-1-0, 8=640/13-1-0, 7=657/13-1-0
 Max Horz 8=387(LC 29)
 Max Uplift 6=674(LC 29), 8=918(LC 28), 7=732(LC 28)
 Max Grav 6=939(LC 16), 8=1342(LC 17), 7=1312(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-10=-1623/1287, 3-10=-881/756, 3-4=-1148/932, 4-11=-654/627, 5-11=-477/452, 6-9=-352/145, 5-9=-349/144, 2-8=-1264/948
 BOT CHORD 7-8=-1209/1097, 6-7=-754/837
 WEBS 3-7=-1350/945, 3-6=-970/1006, 2-7=-1144/1237

JOINT STRESS INDEX
 2 = 0.91, 3 = 0.85, 4 = 0.81, 5 = 0.79, 6 = 0.44, 7 = 0.53, 8 = 0.92, 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=6ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever 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) Gable requires continuous bottom chord bearing.
 - 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 674 lb uplift at joint 6, 918 lb uplift at joint 8 and 732 lb uplift at joint 7.
 - 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.
 - 11) 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 13-6-8 for 147.7 plf.

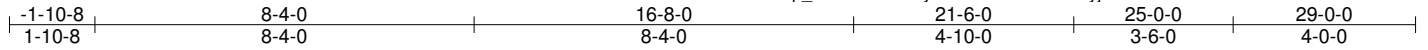
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T11	ROOF TRUSS	4	1	

Job Reference (optional)

Universal Forest Products

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 ID:HcCfHhHmp_ILBk9QmrdrhRy9hds-blXbKSMp3kJyPHxEQG9KOSc4k5WDJlhNUmXB2znDPI



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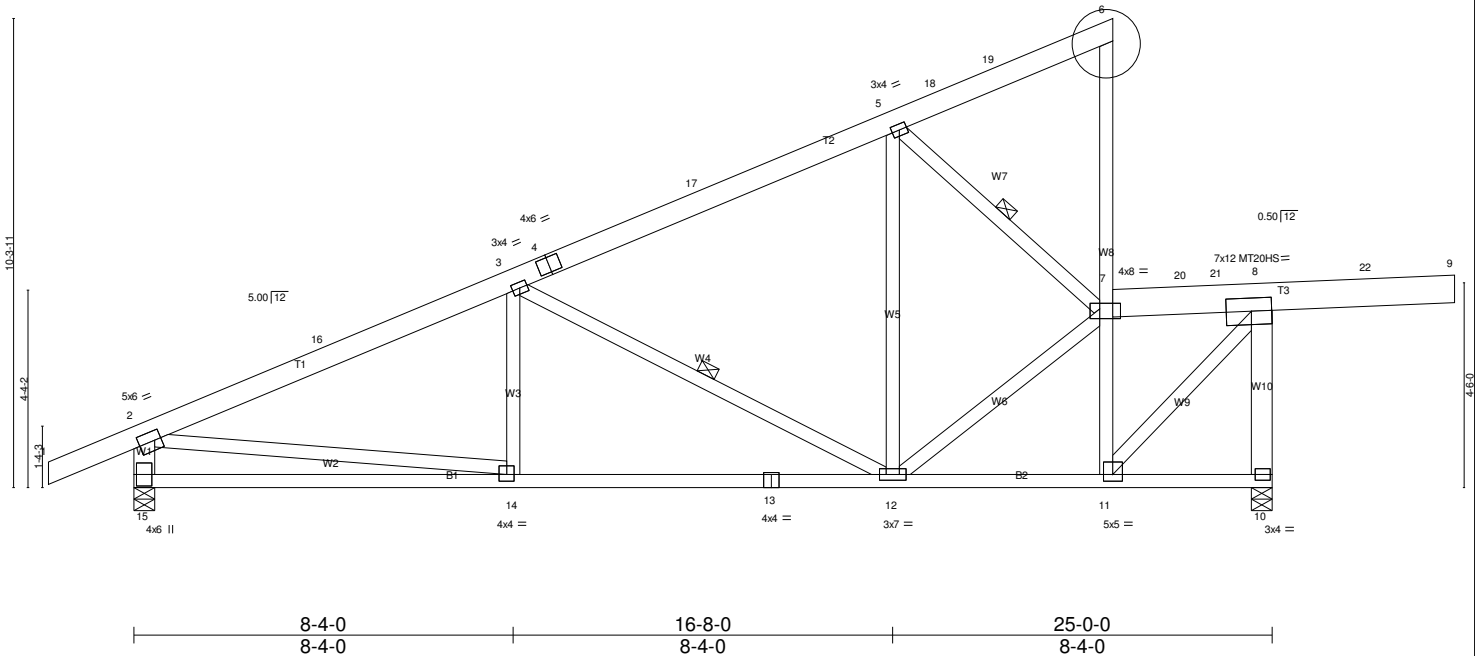


Plate Offsets (X,Y)-- [2:0-1-12,0-2-8], [7:0-5-8,0-1-8], [8:0-5-6,0-3-8], [10:0-1-0,0-1-8], [11:0-2-8,0-1-12], [14:0-2-0,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.80 BC 0.65 WB 0.62 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.20 12-14 >999 360 Vert(TL) -0.50 8-9 >101 80 Horz(TL) -0.05 10 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 167 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2 *Except*
 T3: 2x8 SP 2400F 2.0E
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF No.3 *Except*
 W10,W1: 2x6 SPF No.2

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

REACTIONS. (lb/size) 10=2957/0-5-8, 15=1552/0-5-8
 Max Horz 15=1015(LC 9)
 Max Uplift 10= 91(LC 9), 15= 736(LC 9)
 Max Grav 10=2957(LC 1), 15=1578(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-16=2061/738, 3-16=1910/752, 3-4=1199/286, 4-17=1171/299, 5-17=1048/313, 7-11=1019/745, 6-7=317/112, 7-20=853/695,
 20-21=808/727, 8-21=797/754, 8-10=2910/38, 2-15=1491/660
 BOT CHORD 14-15=1150/477, 13-14=1502/1763, 12-13=1502/1763, 11-12=734/889
 WEBS 3-14=146/267, 3-12=914/711, 5-12=365/510, 5-7=1275/851, 7-12=179/347, 8-11=1028/1394, 2-14=356/1297

JOINT STRESS INDEX
 2 = 0.98, 3 = 0.64, 4 = 0.60, 5 = 0.64, 6 = 0.00, 7 = 0.93, 8 = 0.86, 10 = 0.91, 11 = 0.83, 12 = 0.78, 13 = 0.77, 14 = 0.69 and 15 = 0.97

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) 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 91 lb uplift at joint 10 and 736 lb uplift at joint 15.
- 9) Following joints to be plated by qualified designer: Joint(s) 6, not plated.
- 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) 4, 5, 6, 9, 10 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 Except:

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=94, 2-6=94, 7-8=240, 8-9=240, 10-15=20
- 4) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=14, 2-6=14, 7-21=160, 8-21=300, 8-9=160, 10-15=40
- 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=43, 2-6=21, 7-21=99, 8-21=239, 8-22=107, 9-22=129, 10-15=19
 Horz: 1-2=51, 2-6=30, 6-7=16, 7-8=56, 8-22=48, 9-22=26, 2-15=22

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T11	ROOF TRUSS	4	1	Job Reference (optional)

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 ID:HCcFtHnHmp_ILBk9QmrhRy9hds-blXbKSMP3kJyJPHxEQG9KOSc4k5WDJlhNUmXB2znDPI

LOAD CASE(S) Standard Except:

- 6) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=14, 2-6=21, 7-21=99, 8-21=239, 8-9=-77, 10-15=-10
 Horz: 1-2=-22, 2-6=-30, 6-7=-38, 7-8=-56, 8-9=-77, 2-15=-25
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=69, 2-6=47, 7-21=99, 8-21=239, 8-9=-77, 10-15=19
 Horz: 1-2=-77, 2-6=-56, 6-7=-63, 7-8=-56, 8-9=-77, 2-15=-34
- 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=47, 2-6=25, 7-21=121, 8-21=261, 8-9=-99, 10-15=-10
 Horz: 1-2=-55, 2-6=-34, 6-7=-41, 7-8=-34, 8-9=-55, 2-15=-34

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T11S	ROOF TRUSS	2	1	Job Reference (optional)

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 ID:HCcFtHnHmp_ILBk9QmrdhRy9hds-3x5zYoN1p2RpLZs7o8nOsb?Is8Suykdqc8V4jUznDPH

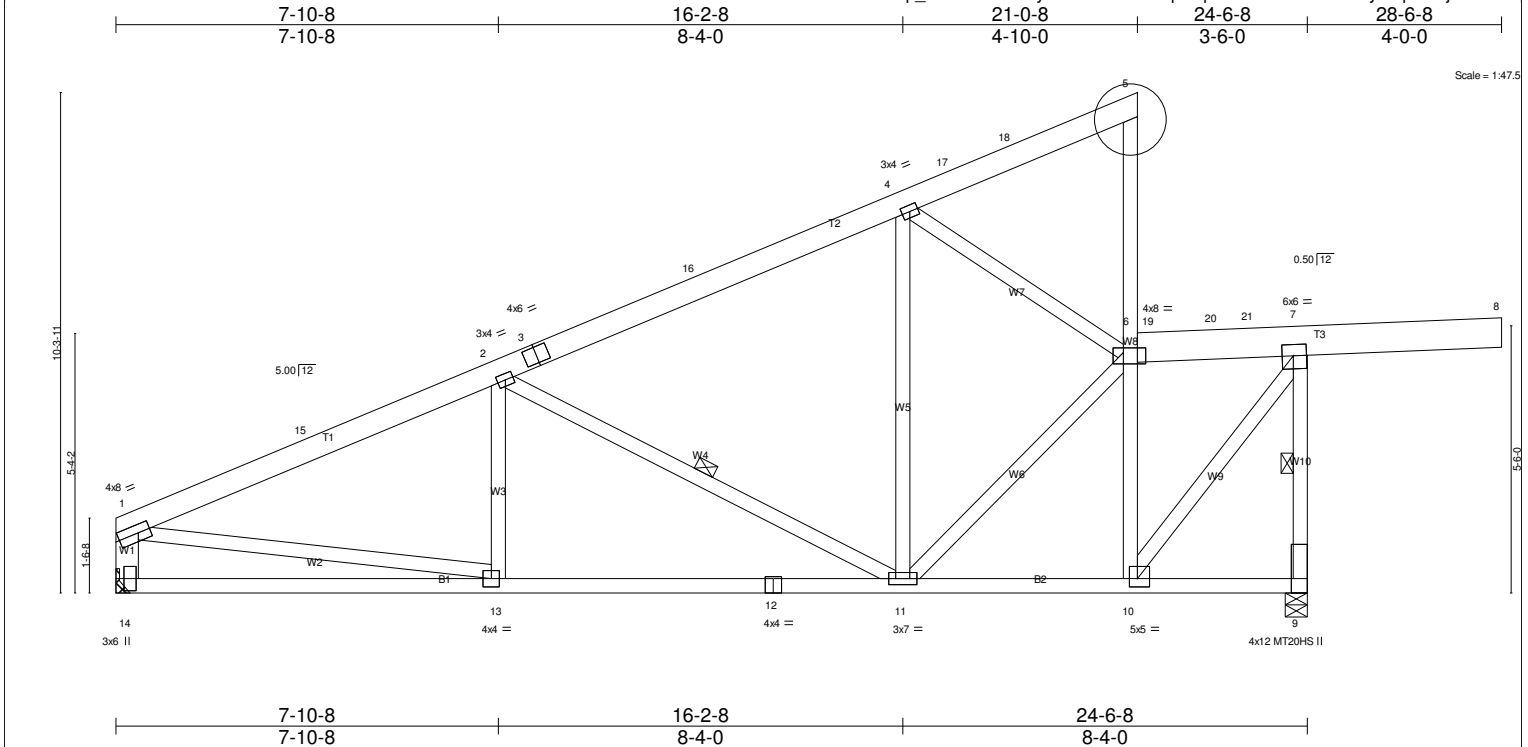


Plate Offsets (X,Y)-- [1:0-3-0-0-2-0], [6:0-5-8-0-1-4], [7:0-2-12-0-2-12], [9:0-3-8,Edge], [10:0-2-0-0-2-0], [14:0-3-0-0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.92 BC 0.58 WB 0.74 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.21 11-13 >999 360 Vert(TL) -0.52 7-8 >95 80 Horz(TL) -0.04 9 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 162 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2 *Except*
 T3: 2x8 SP 2400F 2.0E
 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 4-11-5 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 4-9-7 oc bracing.
 WEBS 1 Row at midpt 7-9, 2-11

REACTIONS. (lb/size) 9=2874/0-5-8, 14=1320/Mechanical
 Max Horz 14=876(LC 9)
 Max Uplift 9=-120(LC 9), 14=-587(LC 9)
 Max Grav 9=2874(LC 1), 14=1344(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-15=-1975/748, 2-15=-1837/761, 2-3=-1179/290, 3-16=-1151/303, 4-16=-1028/317, 6-10=-909/809, 5-6=-316/112, 6-19=-648/587,
 19-20=-626/604, 20-21=-614/615, 7-21=-603/640, 7-9=-2829/77, 1-14=-1264/516
 BOT CHORD 13-14=-1080/462, 12-13=-1441/1697, 11-12=-1441/1697, 10-11=-618/682
 WEBS 2-11=-859/681, 4-11=-261/347, 4-6=-1119/764, 6-11=-315/411, 7-10=-1049/1169, 1-13=-366/1250

JOINT STRESS INDEX
 1 = 0.96, 2 = 0.64, 3 = 0.58, 4 = 0.64, 5 = 1.00, 6 = 0.64, 7 = 0.97, 9 = 0.99, 10 = 0.95, 11 = 0.78, 12 = 0.76, 13 = 0.77 and 14 = 0.95

- 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) 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 120 lb uplift at joint 9 and 587 lb uplift at joint 14.
 - 10) Following joints to be plated by qualified designer: Joint(s) 5, not plated.
 - 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) 4, 5, 6, 9, 10 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 Except:
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-5=-94, 6-19=-94, 7-19=-240, 7-8=-240, 9-14=-20
 4) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-5=-14, 6-19=-14, 19-21=-160, 7-21=-300, 7-8=-160, 9-14=-40
 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T11S	ROOF TRUSS	2	1	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:44 2016 Page 2
 ID:HCCfHnHmp_ILBk9QmrhRy9hds-3x5zYoN1p2RpLZs7o8nOsb?Is8Suykdc8V4jUznDPH

LOAD CASE(S) Standard Except:

Uniform Loads (plf)

Vert: 1-5=21, 6-19=47, 19-21=99, 7-21=239, 7-8=107, 9-14=19

Horz: 1-5=30, 5-6=16, 6-7=56, 7-8=48, 1-14=22

6) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-5=21, 6-19=47, 19-21=99, 7-21=239, 7-8=77, 9-14=10

Horz: 1-5=30, 5-6=38, 6-7=56, 7-8=77, 1-14=25

9) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-5=47, 6-19=47, 19-21=99, 7-21=239, 7-8=77, 9-14=19

Horz: 1-5=56, 5-6=63, 6-7=56, 7-8=77, 1-14=34

10) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-5=25, 6-19=25, 19-21=121, 7-21=261, 7-8=99, 9-14=10

Horz: 1-5=34, 5-6=41, 6-7=34, 7-8=55, 1-14=34

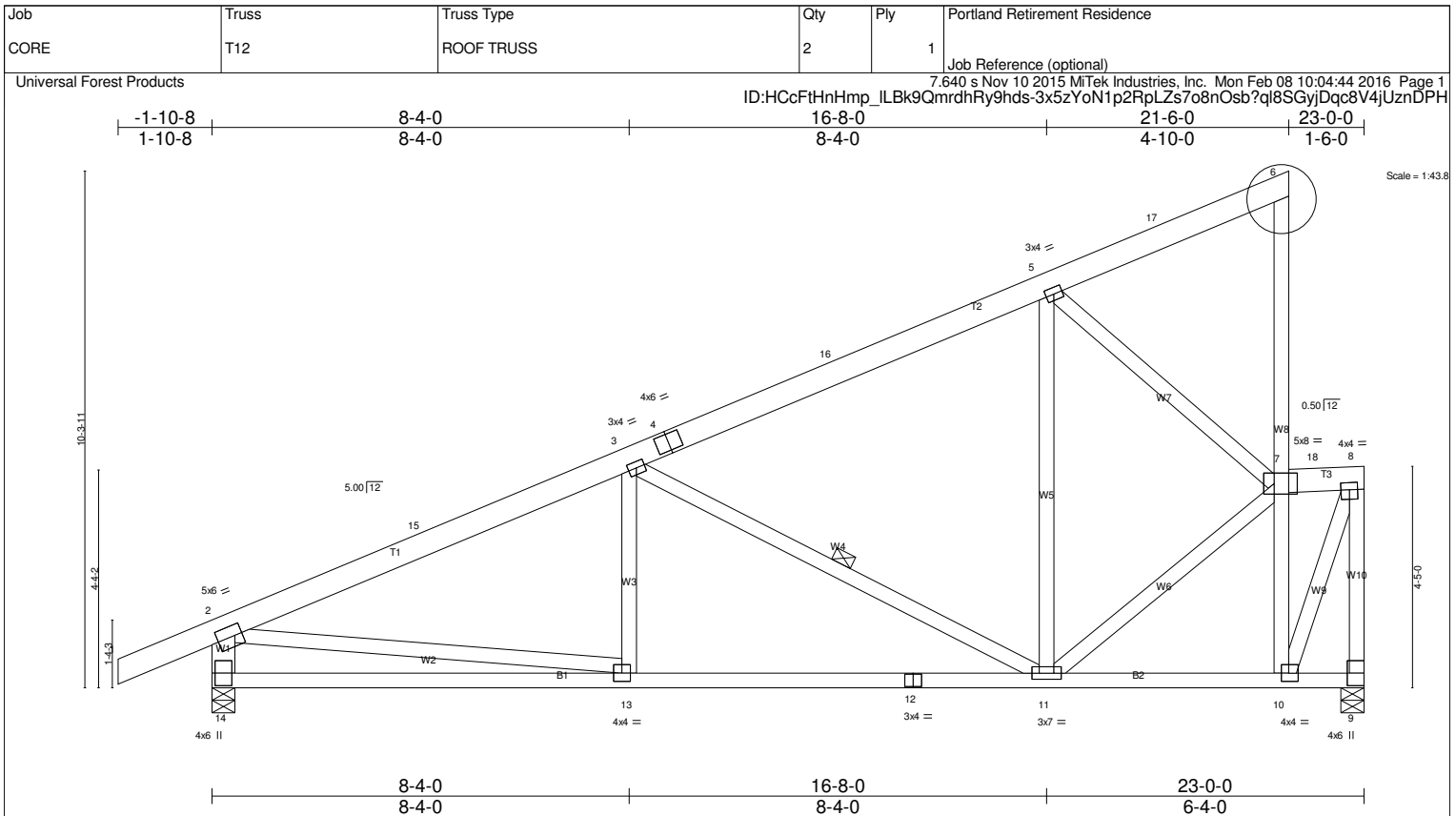


Plate Offsets (X,Y)-- [2:0-1-12,0-2-8], [7:0-5-8,0-2-8], [8:0-2-0,0-1-12], [9:Edge,0-3-8], [10:0-1-12,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.61 BC 0.62 WB 0.83 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.18 11-13 >999 360 Vert(TL) -0.26 11-13 >999 240 Horz(TL) -0.04 9 n/a n/a	MT20	197/144
				Weight: 141 lb FT = 4%	

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 4-11-2 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 4-11-14 oc bracing. WEBS 1 Row at midpt 3-11
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REACTIONS. (lb/size) 9=1483/0-5-8, 14=1504/0-5-8
Max Horz 14=983(LC 9)
Max Uplift 9=782(LC 9), 14=662(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-15=-1916/591, 3-15=-1767/605, 3-4=-1031/212, 4-16=-1003/215, 5-16=-879/239, 7-10=-1198/640, 6-7=-317/113, 7-18=-466/221,
8-18=-450/244, 8-9=-1375/724, 2-14=-1418/586
BOT CHORD 13-14=-1105/462, 12-13=-1336/1631, 11-12=-1336/1631, 10-11=-269/489
WEBS 3-13=-154/271, 3-11=-929/735, 5-11=-207/389, 5-7=-1057/626, 7-11=-541/428, 8-10=-680/1219, 2-13=-233/1180

JOINT STRESS INDEX
2 = 0.97, 3 = 0.64, 4 = 0.62, 5 = 0.64, 6 = 0.82, 7 = 0.64, 8 = 0.81, 9 = 0.73, 10 = 0.89, 11 = 0.78, 12 = 0.90, 13 = 0.71 and 14 = 0.96

- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 782 lb uplift at joint 9 and 662 lb uplift at joint 14.
 - 8) Following joints to be plated by qualified designer: Joint(s) 6, not plated.
 - 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, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 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: 1-2=-94, 2-6=-94, 7-8=-234, 9-14=-20
 - 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-94, 2-6=-94, 7-8=-178, 9-14=-20
 - 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-38, 2-6=-38, 7-8=-250, 9-14=-20
 - 4) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-14, 2-6=-14, 7-8=-154, 9-14=-40

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T12	ROOF TRUSS	2	1	

Job Reference (optional)

Universal Forest Products

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 ID:HCcFtHnHmp_ILBk9QmrDhRy9hds-3x5zYoN1p2RpLZs7o8nOsb?ql8SGyjDqc8V4jUznDPH

LOAD CASE(S) Standard

- 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=43, 2-6=21, 7-8=93, 9-14=19
 Horz: 1-2=-51, 2-6=-30, 6-7=-16, 7-8=-56, 2-14=22
- 6) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=14, 2-6=21, 7-8=93, 9-14=10
 Horz: 1-2=-22, 2-6=-30, 6-7=-38, 7-8=-56, 2-14=-25
- 7) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=-5, 2-6=-13, 7-8=-150, 9-14=19
 Horz: 1-2=-3, 2-6=5, 6-7=45, 7-8=1, 2-14=37
- 8) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=14, 2-6=6, 7-8=-150, 9-14=-10
 Horz: 1-2=-22, 2-6=-14, 6-7=-6, 7-8=1, 2-14=-10
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=69, 2-6=47, 7-8=93, 9-14=19
 Horz: 1-2=-77, 2-6=-56, 6-7=-63, 7-8=-56, 2-14=-34
- 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=47, 2-6=25, 7-8=-115, 9-14=-10
 Horz: 1-2=-55, 2-6=-34, 6-7=-41, 7-8=-34, 2-14=-34
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=-2, 2-6=-10, 7-8=-150, 9-14=19
 Horz: 1-2=-7, 2-6=1, 6-7=9, 7-8=1, 2-14=-18
- 12) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=-2, 2-6=-10, 7-8=-150, 9-14=-10
 Horz: 1-2=-7, 2-6=1, 6-7=9, 7-8=1, 2-14=-18
- 13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-2=-174, 2-6=-14, 7-8=-154, 9-14=-20
- 14) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-14, 2-6=-14, 7-8=-154, 9-14=-20
 Concentrated Loads (lb)
 Vert: 2=300
- 15) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-14, 2-6=-14, 7-8=-154, 9-14=-20
 Concentrated Loads (lb)
 Vert: 15=300
- 16) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-14, 2-6=-14, 7-8=-154, 9-14=-20
 Concentrated Loads (lb)
 Vert: 16=300
- 17) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-14, 2-6=-14, 7-8=-154, 9-14=-20
 Concentrated Loads (lb)
 Vert: 17=300
- 18) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-14, 2-6=-14, 7-8=-154, 9-14=-20
 Concentrated Loads (lb)
 Vert: 6=300
- 19) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-14, 2-6=-14, 7-8=-154, 9-14=-20
 Concentrated Loads (lb)
 Vert: 18=300
- 20) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-14, 2-6=-14, 7-8=-154, 9-14=-20
 Concentrated Loads (lb)
 Vert: 8=300
- 21) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-14, 2-6=-14, 7-8=-154, 9-14=-20
 Concentrated Loads (lb)
 Vert: 3=300
- 22) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-14, 2-6=-14, 7-8=-154, 9-14=-20
 Concentrated Loads (lb)
 Vert: 5=300

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T12A	MONO TRUSS	2	1	

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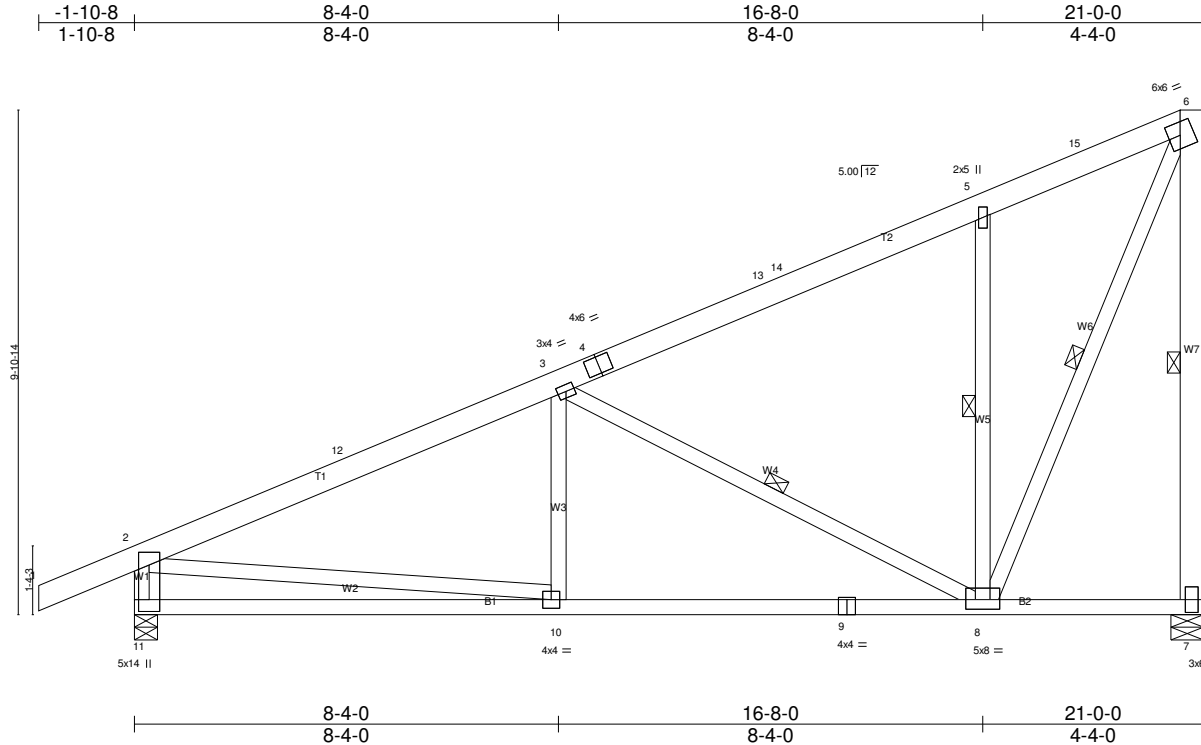


Plate Offsets (X,Y)-- [6:0-2-12,0-3-0], [8:0-4-0,0-2-4], [11:0-11-0,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.94 BC 0.57 WB 0.75 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.10 8-10 >999 360 Vert(TL) -0.26 8-10 >965 240 Horz(TL) 0.03 7 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 130 lb	FT = 4%

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 5-0-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 6-7, 3-8, 5-8, 6-8

REACTIONS. (lb/size) 7=1166/0-7-11, 11=1375/0-5-8
 Max Horz 11=509(LC 6)
 Max Uplift 7=-428(LC 9), 11=-479(LC 9)
 Max Grav 7=1494(LC 2), 11=1452(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-12=-1860/444, 3-12=-1594/458, 3-4=-903/208, 4-13=-875/221, 13-14=-739/223, 5-14=-733/235, 5-15=-890/358, 6-15=-733/370,
 6-7=-1461/464, 2-11=-1366/516
 BOT CHORD 10-11=-468/400, 9-10=-476/1586, 8-9=-476/1586
 WEBS 3-10=0/293, 3-8=-1030/464, 5-8=-943/317, 6-8=-536/1692, 2-10=-202/1197

JOINT STRESS INDEX
 2 = 0.00, 3 = 0.64, 4 = 0.80, 5 = 0.35, 6 = 0.99, 7 = 0.72, 8 = 0.93, 9 = 0.76, 10 = 0.71 and 11 = 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 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 428 lb uplift at joint 7 and 479 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) 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.

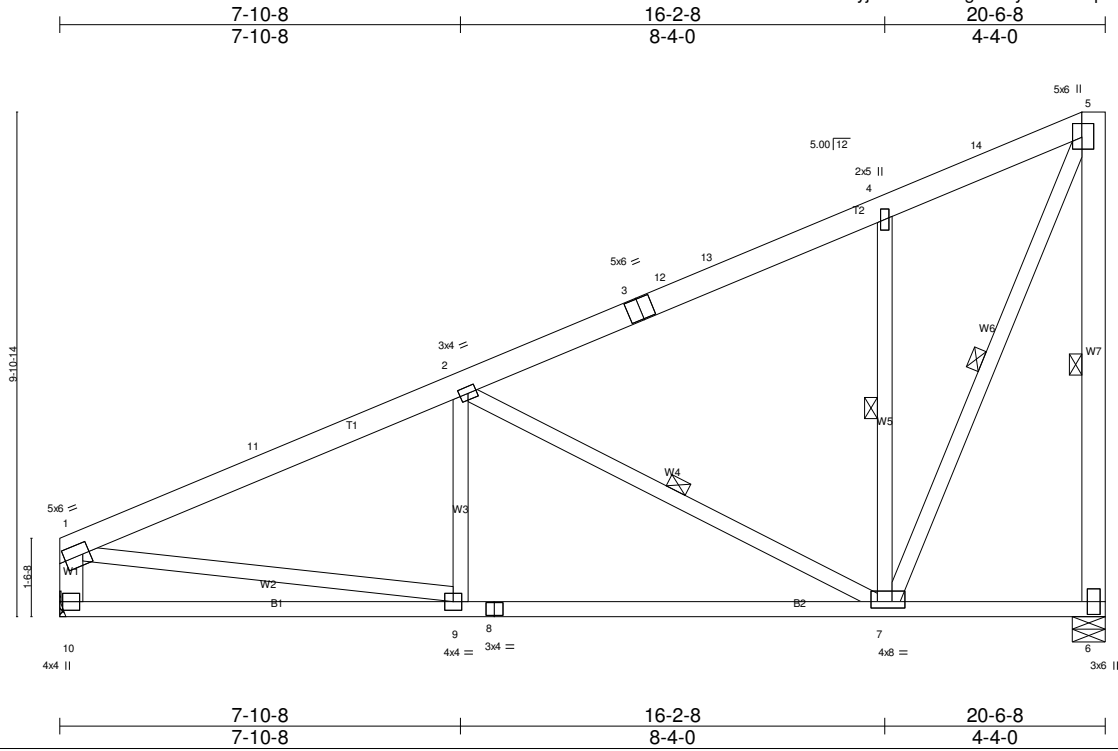
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T12AS	MONO TRUSS	1	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:45 2016 Page 1
 ID:iJW1Cstm1K9TshJfW2OC6dyjDci-X8fLl8OgaMZfyiRKLrldPpX1kYpghAHzqoFdGwznDPG



Scale = 1/4" = 1'-0"

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.47 BC 0.54 WB 0.71 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.10 7-9 >999 360 Vert(TL) -0.26 7-9 >913 240 Horz(TL) 0.03 6 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 125 lb	FT = 4%

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 5-3-11 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 5-6, 2-7, 4-7, 5-7

REACTIONS. (lb/size) 6=1145/0-7-12, 10=1145/Mechanical
 Max Horz 10=489(LC 6)
 Max Uplift 6=424(LC 9), 10=324(LC 9)
 Max Grav 6=1431(LC 2), 10=1209(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-11=1735/433, 2-11=1487/446, 2-3=863/217, 3-12=712/219, 12-13=699/220, 4-13=679/232, 4-14=851/357, 5-14=699/369,
 5-6=1399/460, 1-10=1130/358
 BOT CHORD 9-10=482/426, 8-9=461/1480, 7-8=461/1480
 WEBS 2-9=11/262, 2-7=946/449, 4-7=909/322, 5-7=532/1613, 1-9=163/1071

JOINT STRESS INDEX
 1 = 1.00, 2 = 0.64, 3 = 0.76, 4 = 0.33, 5 = 0.94, 6 = 0.73, 7 = 0.94, 8 = 0.90, 9 = 0.66 and 10 = 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) 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 424 lb uplift at joint 6 and 324 lb uplift at joint 10.
 - 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
CORE	T12B	MONO TRUSS	2	1	Job Reference (optional)

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:46 2016 Page 1
 ID:iJW1Cstm1K9TshJfW2OC6dyjDci-?KCjzUPILfhWas0WvZpsx04Bxx9BQdQ73S_BoNznDPF

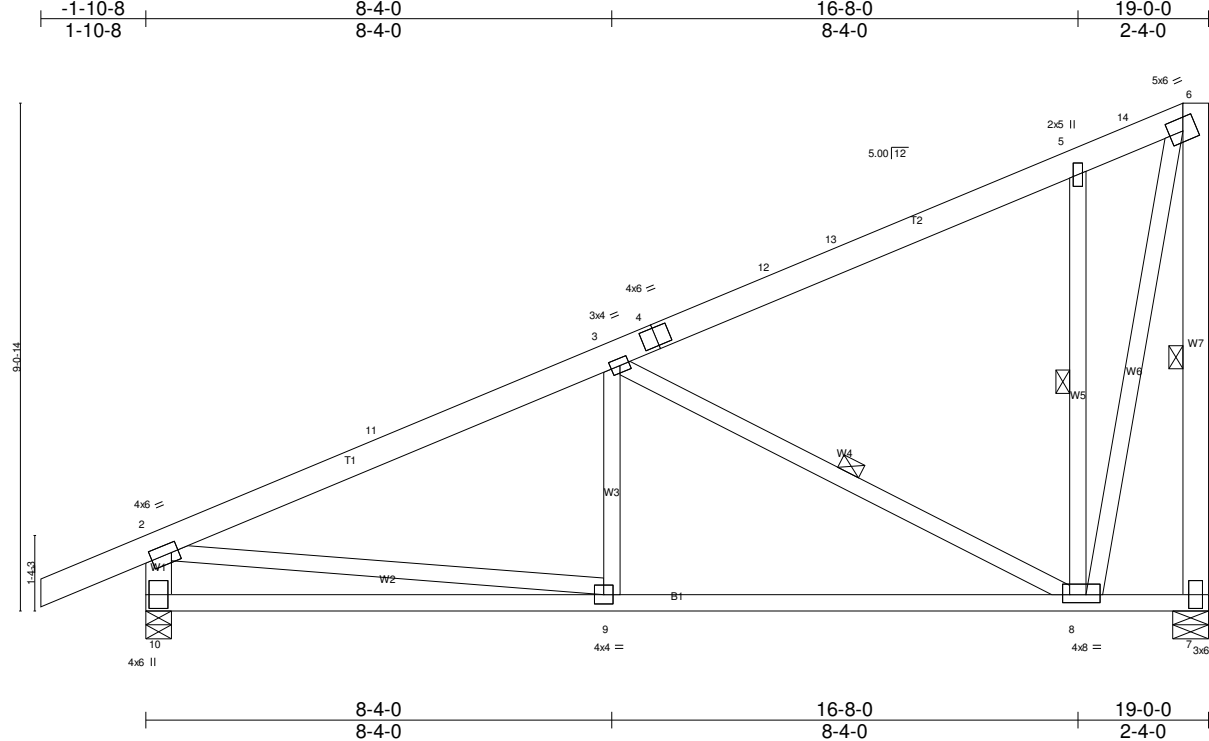


Plate Offsets (X,Y)-- [2:0-1-8,0-2-0], [6:0-3-0,0-2-12], [8:0-1-8,0-1-12]

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 0.57 BC 0.53 WB 0.72 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.09 8-9 >999 360 Vert(TL) -0.24 8-9 >913 240 Horz(TL) 0.03 7 n/a n/a	PLATES MT20 GRIP 197/144 Weight: 121 lb FT = 4%
--	--	--	---	---

LUMBER- TOP CHORD 2x6 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3 *Except* W1,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 6-7, 3-8, 5-8
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REACTIONS. (lb/size) 10=1266/0-5-8, 7=1046/0-7-11
 Max Horz 10=467(LC 6)
 Max Uplift 10=451(LC 9), 7=385(LC 9)
 Max Grav 10=1339(LC 2), 7=1335(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-10=-1255/490, 2-11=-1616/374, 3-11=-1353/388, 3-4=-609/132, 4-12=-581/135, 12-13=-436/146, 5-13=-423/159, 5-14=-571/263,
 6-14=-513/269, 6-7=-1315/413
 BOT CHORD 9-10=-435/442, 8-9=-391/1363
 WEBS 2-9=-132/988, 3-9=0/297, 3-8=-1101/466, 5-8=-944/269, 6-8=-469/1605

JOINT STRESS INDEX
 2 = 0.88, 3 = 0.64, 4 = 0.82, 5 = 0.35, 6 = 1.00, 7 = 0.83, 8 = 0.90, 9 = 0.59 and 10 = 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 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 451 lb uplift at joint 10 and 385 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
CORE	T12BS	MONO TRUSS	1	1	

Universal Forest Products
 7.640 s Nov 10 2015 M/Tek Industries, Inc. Mon Feb 08 10:04:47 2016 Page 1
 ID:iJW1 Cstm1K9TshJfW2OC6dyjDci-TWm6ApPw6zpNC0bITGK5UEdMCLWj94hG16kkKpznDPE

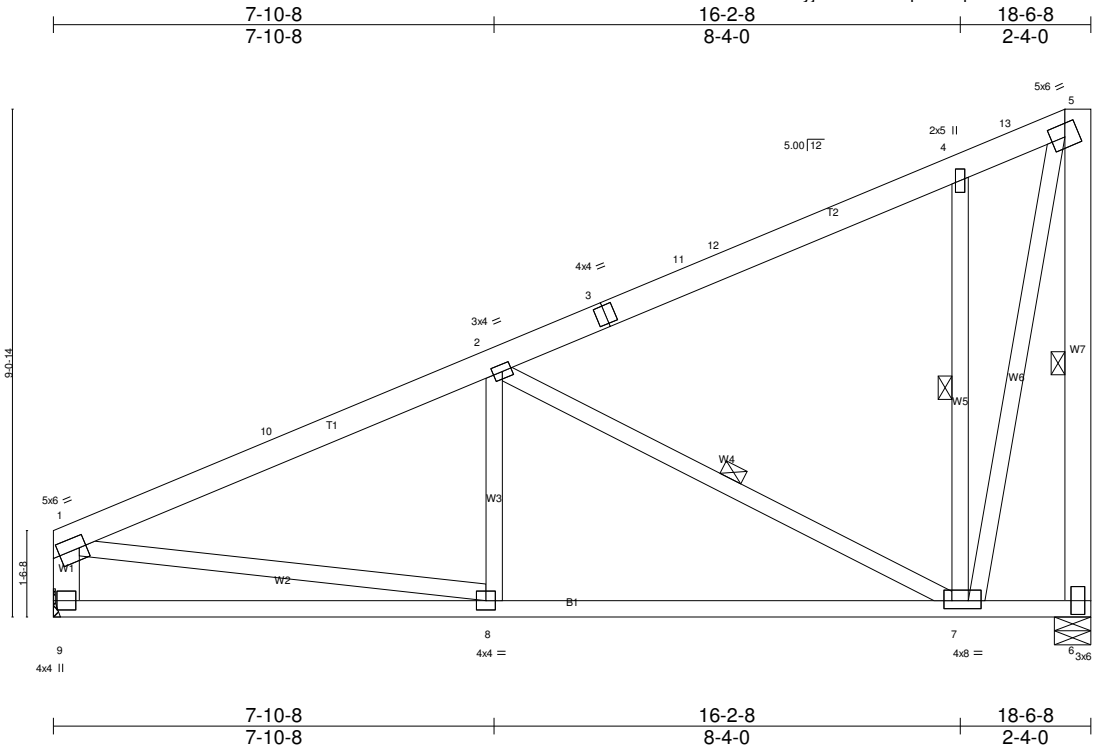


Plate Offsets (X,Y)-- [1:0-1-8,0-2-8], [5:0-3-0,0-2-12], [7:0-1-12,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.53 BC 0.51 WB 0.72 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.09 7-8 >999 360 Vert(TL) -0.25 7-8 >871 240 Horz(TL) 0.03 6 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 116 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-8-4 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 8-10-6 oc bracing.
WEBS 2x4 SPF No.3 *Except* W1,W7: 2x6 SPF No.2	WEBS 1 Row at midpt 5-6, 2-7, 4-7

REACTIONS. (lb/size) 9=1031/Mechanical, 6=1031/0-7-12
 Max Horz 9=446(LC 6)
 Max Uplift 9=-291(LC 9), 6=-383(LC 9)
 Max Grav 9=1089(LC 2), 6=1280(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-9=-1012/326, 1-10=-1521/371, 2-10=-1273/384, 2-3=-581/134, 3-11=-453/143, 11-12=-420/145, 4-12=-404/159, 4-13=-545/264,
 5-13=-489/270, 5-6=-1263/411
 BOT CHORD 8-9=-440/409, 7-8=-386/1287
 WEBS 1-8=-108/906, 2-8=0/275, 2-7=-1035/460, 4-7=-902/271, 5-7=-468/1534

JOINT STRESS INDEX
 1 = 0.96, 2 = 0.64, 3 = 0.68, 4 = 0.33, 5 = 0.99, 6 = 0.83, 7 = 0.95, 8 = 0.56 and 9 = 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
 - 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 291 lb uplift at joint 9 and 383 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

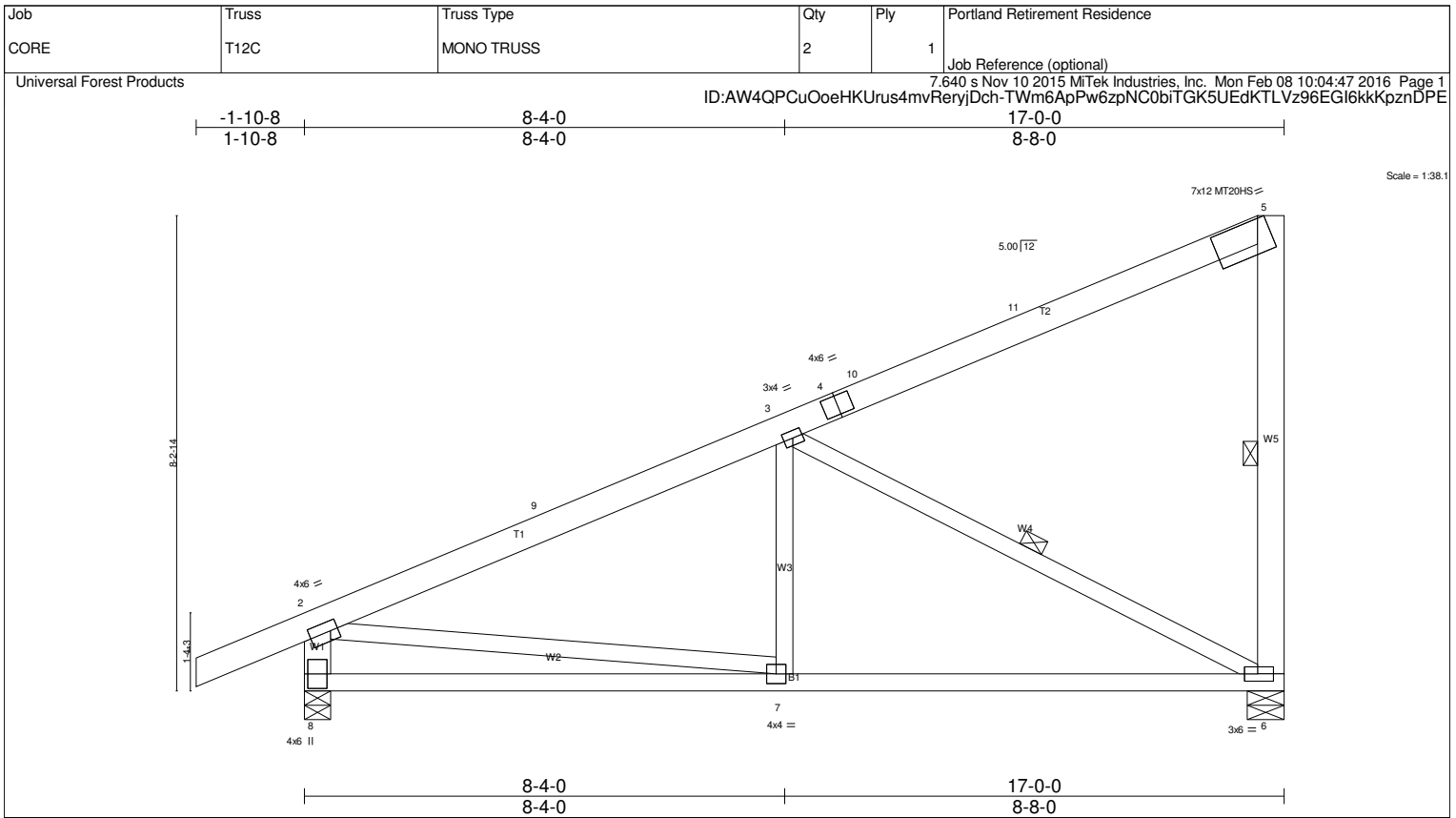


Plate Offsets (X,Y)-- [2:0-1-8,0-2-0], [5:0-8-10,0-5-0], [6:0-2-12,0-1-8]

LOADING (psf)	SPACING - 2-0-0	CSI	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	Plate Grip DOL 1.15	TC 0.64	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.55	Vert(LL) -0.09 6-7 >999 360	MT20HS	148/108
BCLL 0.0	Rep Stress Incr YES	WB 0.62	Vert(TL) -0.21 6-7 >926 240		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) 0.02 6 n/a n/a		
				Weight: 95 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-11-6 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W5,W1: 2x6 SPF No.2	WEBS 1 Row at midpt 5-6, 3-6

REACTIONS. (lb/size) 6=930/0-7-11, 8=1153/0-5-8
 Max Horz 8=424(LC 6)
 Max Uplift 6=-343(LC 9), 8=-418(LC 9)
 Max Grav 6=1182(LC 2), 8=1221(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-9=-1392/309, 3-9=-1128/322, 3-4=-304/85, 4-10=-271/85, 5-6=-523/168, 2-8=-1134/458
 BOT CHORD 7-8=-388/438, 6-7=-311/1162
 WEBS 3-7=0/309, 3-6=-1217/470, 2-7=-72/823

JOINT STRESS INDEX
 2 = 0.86, 3 = 0.64, 4 = 0.81, 5 = 0.82, 6 = 0.88, 7 = 0.50 and 8 = 0.90

- 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) 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 343 lb uplift at joint 6 and 418 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) 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
CORE	T12CS	MONO TRUSS	1	1	

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 ID:AW4QPCuOoeHKUrus4mvReryjDch-xjKUN9QYtHxEpAAv1zrK1R9WirTuZ3QXmTHsFznDPD

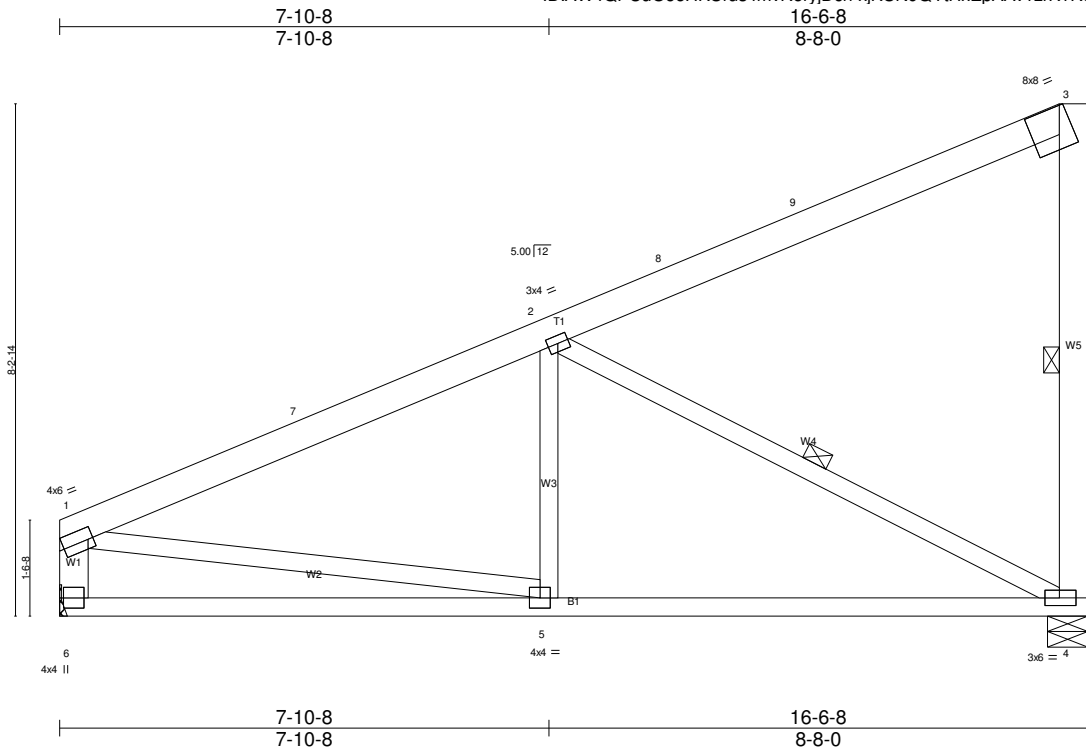


Plate Offsets (X,Y)-- [1:Edge,0-2-4], [3:0-5-2,0-5-4], [4:0-2-12,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.61 BC 0.54 WB 0.58 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.09 4-5 >999 360 Vert(TL) -0.22 4-5 >872 240 Horz(TL) 0.02 4 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 90 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 9-3-11 oc bracing.
WEBS 2x4 SPF No.3 *Except* W5,W1: 2x6 SPF No.2	WEBS 1 Row at midpt 3-4, 2-4

REACTIONS. (lb/size) 4=917/0-7-12, 6=917/Mechanical
 Max Horz 6=403(LC 6)
 Max Uplift 4=-342(LC 9), 6=-257(LC 9)
 Max Grav 4=1129(LC 2), 6=969(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-7=-1305/308, 2-7=-1056/321, 2-8=-288/85, 3-4=-504/169, 1-6=-888/294
 BOT CHORD 5-6=-393/393, 4-5=-308/1093
 WEBS 2-5=0/289, 2-4=-1142/467, 1-5=-49/739

JOINT STRESS INDEX
 1 = 0.90, 2 = 0.64, 3 = 0.98, 4 = 0.90, 5 = 0.45 and 6 = 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
 - 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 342 lb uplift at joint 4 and 257 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
CORE	T12S	ROOF TRUSS	1	1	Job Reference (optional)

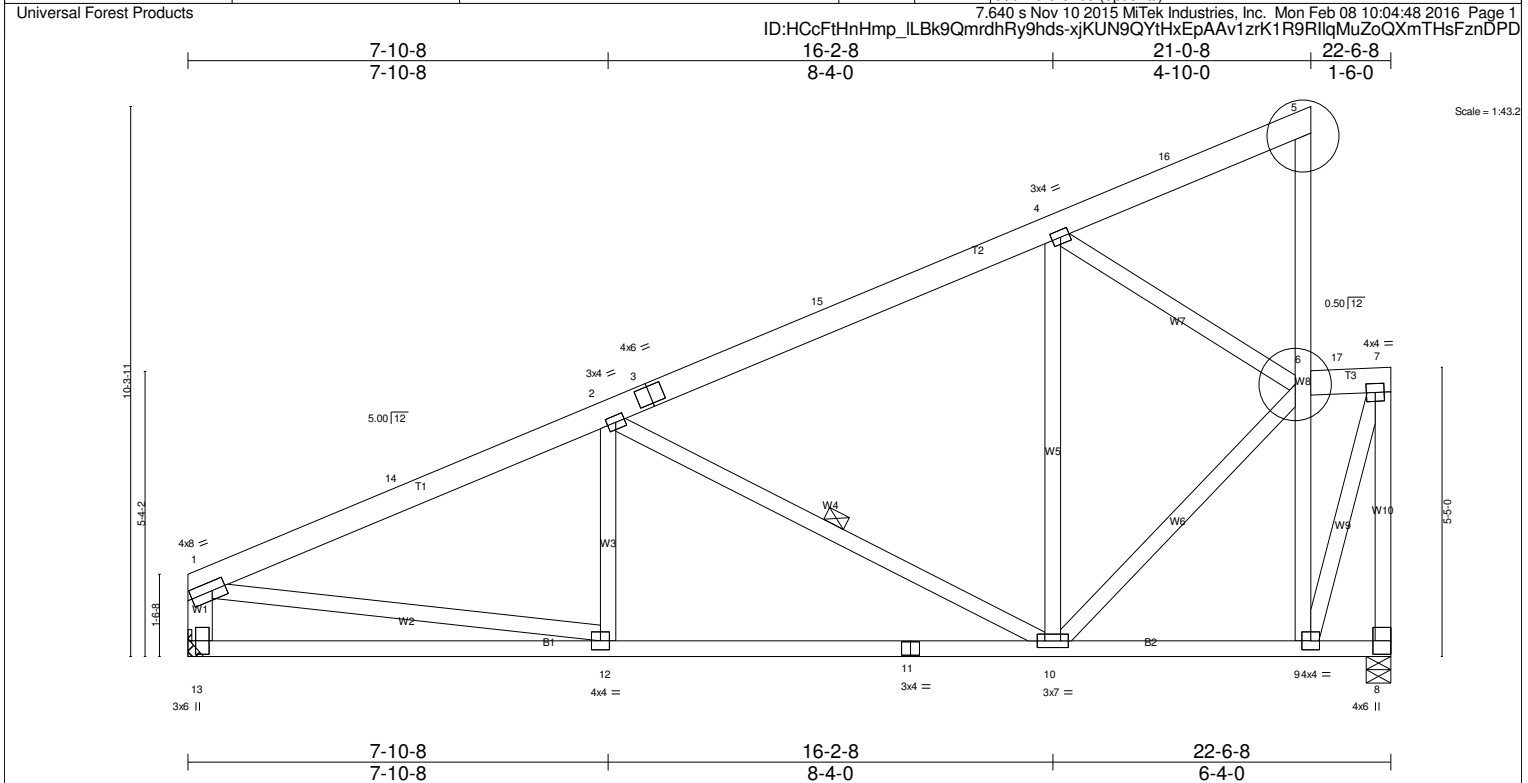


Plate Offsets (X,Y)-- [1:0-3-0-0-2-0], [8:Edge,0-3-8], [13:0-3-0-0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.96 BC 0.61 WB 0.60 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.19 10-12 >999 360 Vert(TL) -0.27 10-12 >993 240 Horz(TL) -0.04 8 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr NO				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 138 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-1-9 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 5-1-6 oc bracing.
WEBS 2x4 SPF No.3 *Except* W1: 2x6 SPF No.2	WEBS 1 Row at midpt 2-10

REACTIONS. (lb/size) 8=1466/0-5-8, 13=1271/Mechanical
 Max Horz 13=844(LC 9)
 Max Uplift 8=764(LC 9), 13=504(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-14=-1839/595, 2-14=-1590/608, 2-3=-1016/189, 3-15=-988/192, 4-15=-864/216, 6-9=-1162/648, 5-6=-316/112, 6-17=-361/180,
 7-17=-347/199, 7-8=-1359/703, 1-13=-1190/434
 BOT CHORD 12-13=-1038/451, 11-12=-1269/1572, 10-11=-1269/1572, 9-10=-217/379
 WEBS 2-10=-878/712, 4-10=-186/293, 4-6=-931/547, 6-10=-611/614, 7-9=-670/1154, 1-12=-234/1136

JOINT STRESS INDEX
 1 = 0.93, 2 = 0.64, 3 = 0.59, 4 = 0.64, 5 = 0.89, 6 = 0.55, 7 = 0.90, 8 = 0.70, 9 = 0.91, 10 = 0.83, 11 = 0.87, 12 = 0.70 and 13 = 1.00

- 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; 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 764 lb uplift at joint 8 and 504 lb uplift at joint 13.
 - 8) Following joints to be plated by qualified designer: Joint(s) 5, 6, not plated.
 - 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, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 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=-94, 6-7=-234, 8-13=-20
 - 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-94, 6-7=-178, 8-13=-20
 - 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-38, 6-7=-249, 8-13=-20
 - 4) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-14, 6-7=-154, 8-13=-40
 - 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T12S	ROOF TRUSS	1	1	

Job Reference (optional)

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ID:HCcFtHnHmp_ILBk9QmrDhRy9hds-xjKUN9QYtHxEpAAv1zrK1R9RllqMuZoQXmTHsFznDPD

LOAD CASE(S) Standard

- Uniform Loads (plf)
Vert: 1-5=21, 6-7=93, 8-13=19
Horz: 1-5=30, 5-6=16, 6-7=56, 1-13=22
- 6) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=21, 6-7=93, 8-13=10
Horz: 1-5=30, 5-6=38, 6-7=56, 1-13=25
- 7) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=13, 6-7=150, 8-13=19
Horz: 1-5=5, 5-6=45, 6-7=1, 1-13=37
- 8) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=6, 6-7=150, 8-13=10
Horz: 1-5=14, 5-6=6, 6-7=1, 1-13=10
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=47, 6-7=93, 8-13=19
Horz: 1-5=56, 5-6=63, 6-7=56, 1-13=34
- 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=25, 6-7=115, 8-13=10
Horz: 1-5=34, 5-6=41, 6-7=34, 1-13=34
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=10, 6-7=150, 8-13=19
Horz: 1-5=1, 5-6=9, 6-7=1, 1-13=18
- 12) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-5=10, 6-7=150, 8-13=10
Horz: 1-5=1, 5-6=9, 6-7=1, 1-13=18
- 13) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=14, 6-7=154, 8-13=20
Concentrated Loads (lb)
Vert: 1=300
- 14) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=14, 6-7=154, 8-13=20
Concentrated Loads (lb)
Vert: 14=300
- 15) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=14, 6-7=154, 8-13=20
Concentrated Loads (lb)
Vert: 15=300
- 16) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=14, 6-7=154, 8-13=20
Concentrated Loads (lb)
Vert: 16=300
- 17) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=14, 6-7=154, 8-13=20
Concentrated Loads (lb)
Vert: 5=300
- 18) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=14, 6-7=154, 8-13=20
Concentrated Loads (lb)
Vert: 17=300
- 19) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=14, 6-7=154, 8-13=20
Concentrated Loads (lb)
Vert: 7=300
- 20) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=14, 6-7=154, 8-13=20
Concentrated Loads (lb)
Vert: 2=300
- 21) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=14, 6-7=154, 8-13=20
Concentrated Loads (lb)
Vert: 4=300

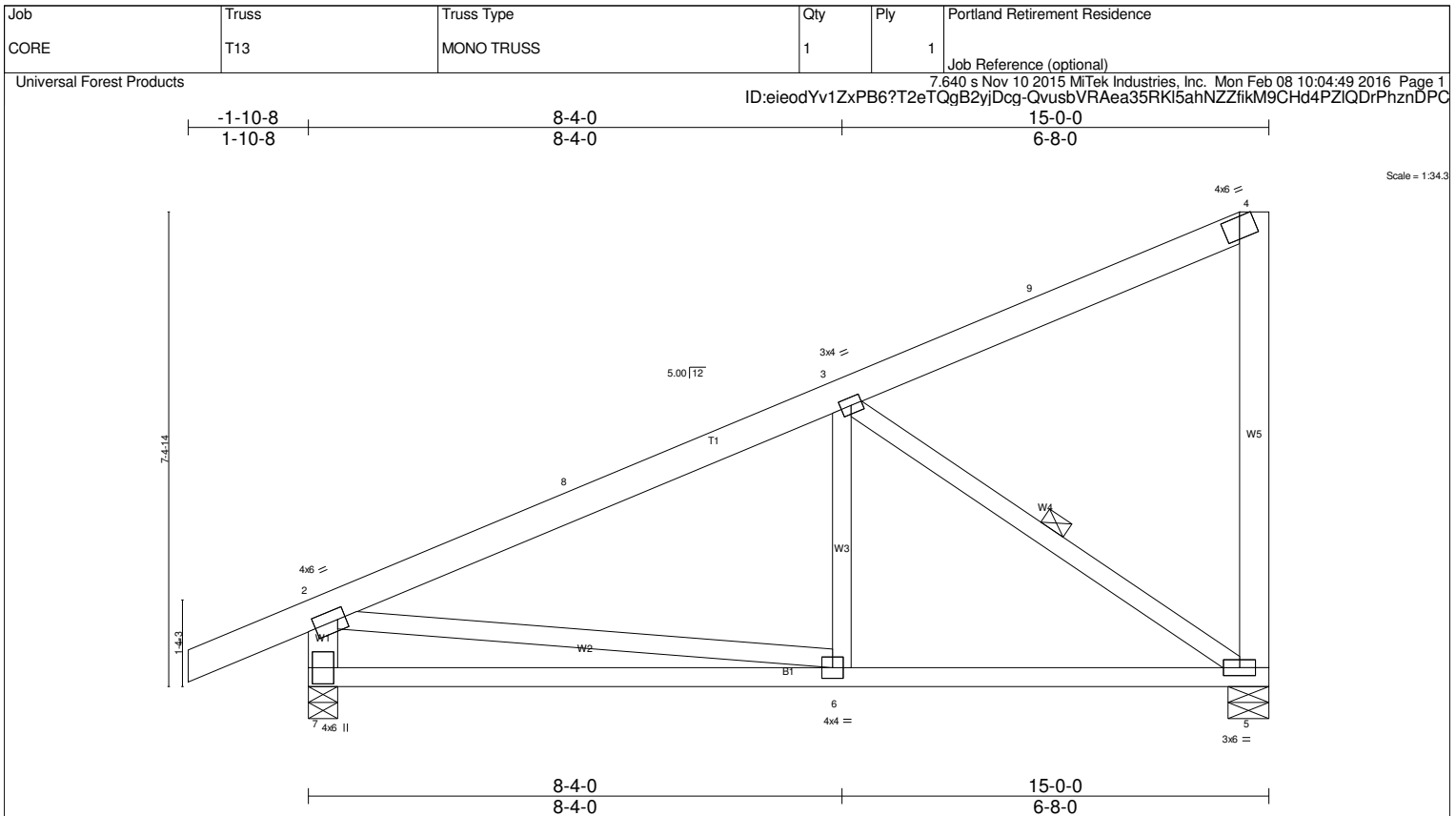


Plate Offsets (X,Y)-- [2:0-1-8,0-2-0]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.43 BC 0.44 WB 0.38 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.07 6-7 >999 360 Vert(TL) -0.17 6-7 >999 240 Horz(TL) 0.02 5 n/a n/a	MT20	197/144
				Weight: 85 lb	FT = 4%

LUMBER- TOP CHORD 2x6 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3 *Except* W5,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. WEBS 1 Row at midpt 3-5
---	--

REACTIONS. (lb/size) 5=815/0-7-11, 7=1041/0-5-8
 Max Horz 7=381(LC 6)
 Max Uplift 5=301(LC 9), 7=386(LC 9)
 Max Grav 5=1027(LC 2), 7=1101(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-8=-1115/235, 3-8=-968/248, 4-5=-378/113, 2-7=-1013/429
 BOT CHORD 6-7=-357/438, 5-6=-227/895
 WEBS 3-6=0/287, 3-5=-1029/389, 2-6=-45/498

JOINT STRESS INDEX
 2 = 0.89, 3 = 0.42, 4 = 0.98, 5 = 0.57, 6 = 0.30 and 7 = 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); 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 5 and 386 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
CORE	T13A	MONO TRUSS	2	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:49 2016 Page 1
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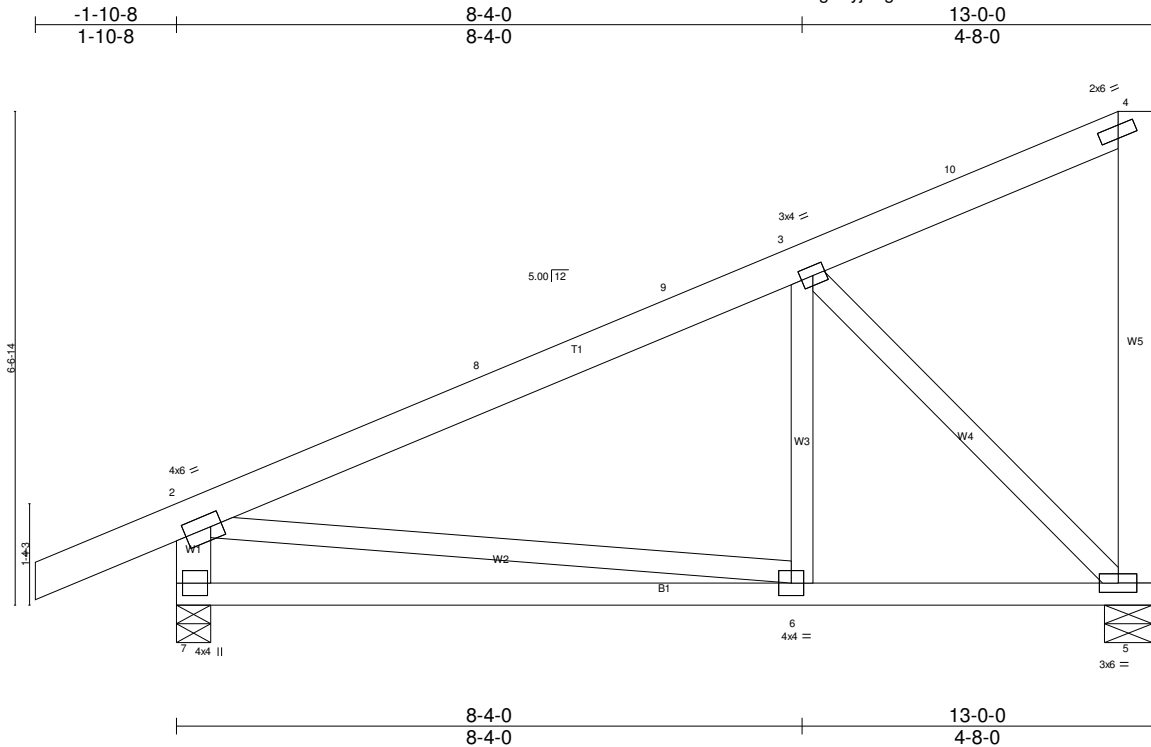


Plate Offsets (X,Y)-- [2:0-1-12,0-2-0], [4:0-2-2,0-1-8], [7:0-2-0,0-1-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.44 BC 0.45 WB 0.70 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.07 6-7 >999 360 Vert(TL) -0.18 6-7 >824 240 Horz(TL) 0.01 5 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 76 lb	FT = 4%

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

REACTIONS. (lb/size) 5=698/0-7-11, 7=929/0-5-8
 Max Horz 7=338(LC 6)
 Max Uplift 5=-258(LC 9), 7=-354(LC 9)
 Max Grav 5=876(LC 2), 7=985(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-8=-859/167, 8-9=-706/168, 3-9=-584/180, 4-5=-319/49, 2-7=-897/398
 BOT CHORD 6-7=-321/430, 5-6=-176/651
 WEBS 3-6=0/276, 3-5=-900/328

JOINT STRESS INDEX
 2 = 0.92, 3 = 0.39, 4 = 0.92, 5 = 0.38, 6 = 0.19 and 7 = 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
 - 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 258 lb uplift at joint 5 and 354 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
CORE	T13AS	MONO TRUSS	1	1	

Universal Forest Products
 Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:50 2016 Page 1
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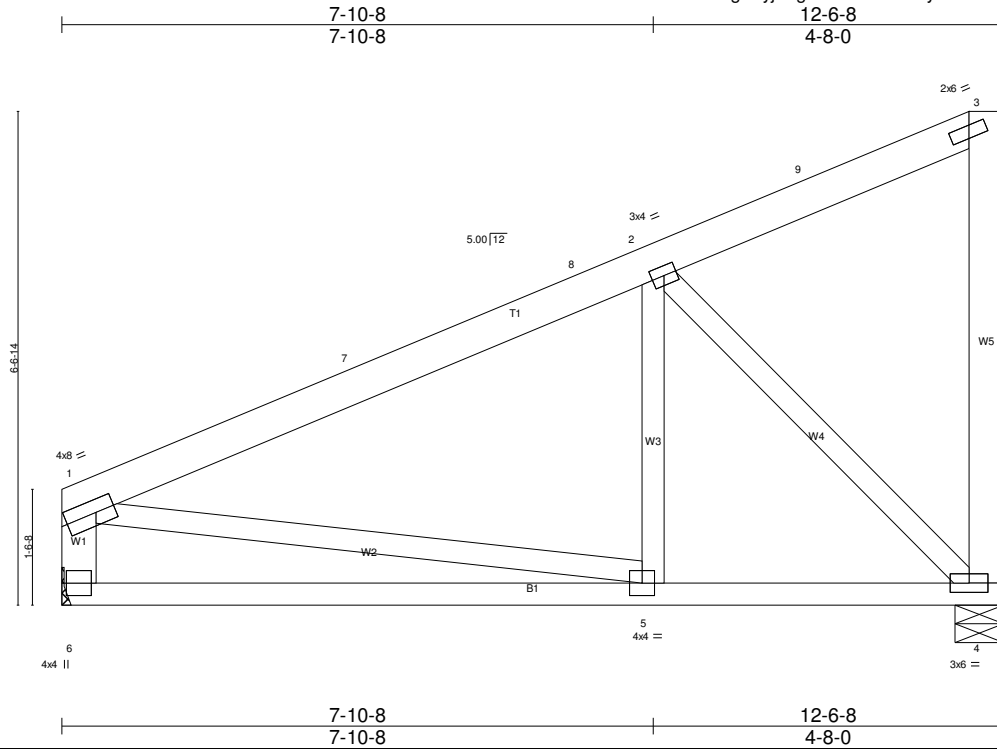


Plate Offsets (X,Y)-- [1-0-3-0,0-2-0], [3-0-2-2,0-1-8]

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 0.37 BC 0.40 WB 0.64 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.06 5-6 >999 360 Vert(TL) -0.14 5-6 >999 240 Horz(TL) 0.01 4 n/a n/a	PLATES GRIP MT20 197/144 Weight: 71 lb FT = 4%
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LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF No.3 *Except*
 W5,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) 4=689/0-7-12, 6=689/Mechanical
 Max Horz 6=318(LC 6)
 Max Uplift 4=-260(LC 9), 6=-190(LC 9)
 Max Grav 4=828(LC 2), 6=727(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-7=-793/169, 7-8=-653/169, 2-8=-544/181, 3-4=-320/53, 1-6=-644/232
 BOT CHORD 5-6=-323/437, 4-5=-176/603
 WEBS 2-5=0/258, 2-4=-829/325

JOINT STRESS INDEX
 1 = 0.89, 2 = 0.36, 3 = 0.93, 4 = 0.36, 5 = 0.18 and 6 = 0.90

- 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 260 lb uplift at joint 4 and 190 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

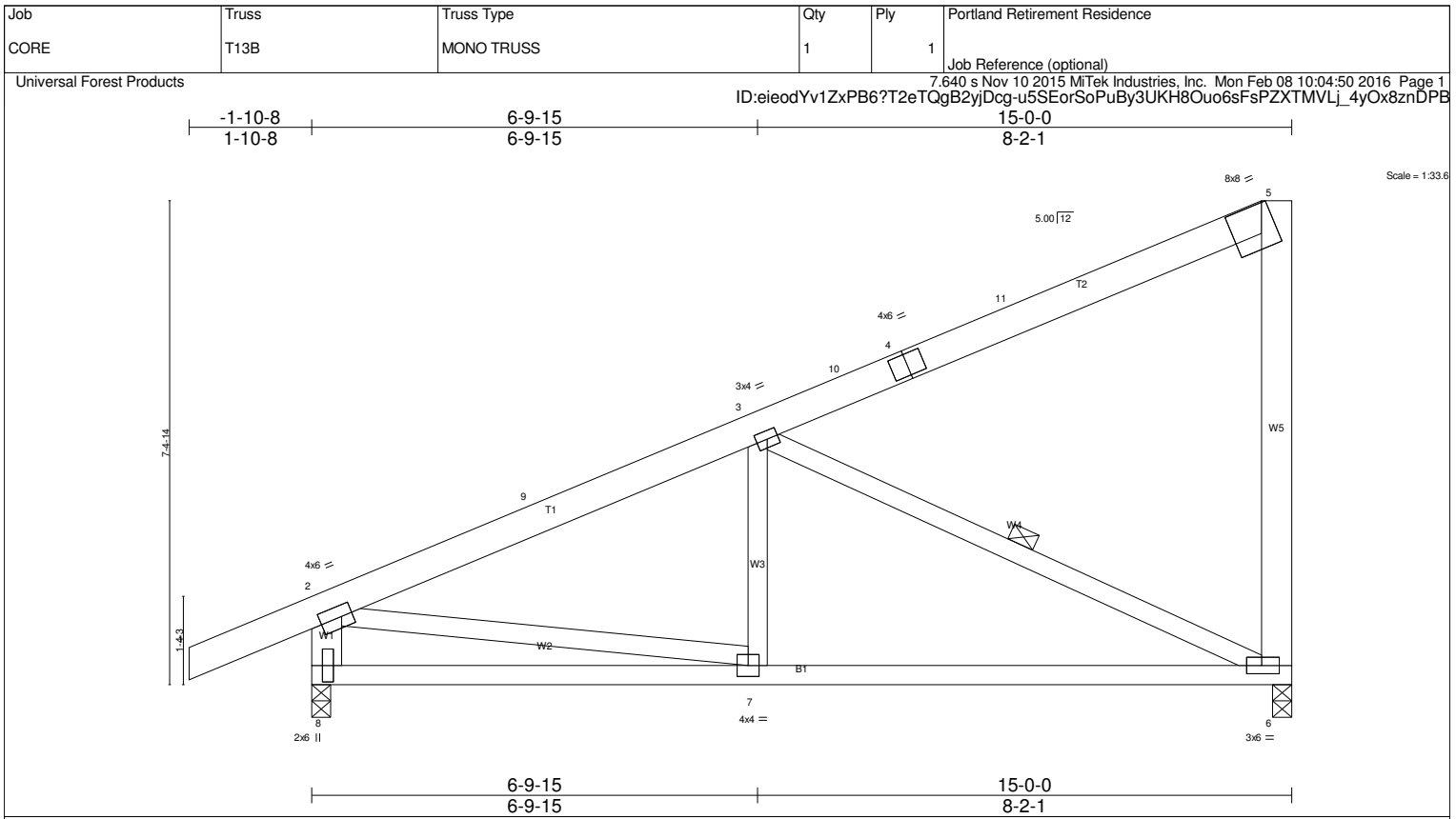


Plate Offsets (X,Y)-- [2:0-2-0-0-2-0], [5:0-5-2-0-5-4], [6:0-2-12.0-1-8], [8:0-3-0-0-2-0]					
LOADING (psf)	SPACING - 2-0-0	CSI	DEFL.		PLATES GRIP
TCLL 40.0 (Roof Snow=40.0)	Plate Grip DOL 1.15	TC 0.60	in (loc) l/defl L/d		MT20 197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.50	Vert(LL) -0.07 6-7 >999 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.47	Vert(TL) -0.18 6-7 >956 240		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) 0.02 6 n/a n/a		
					Weight: 84 lb FT = 4%

LUMBER- TOP CHORD 2x6 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3 *Except* W5,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. WEBS 1 Row at midpt 3-6
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REACTIONS. (lb/size) 8=1041/0-3-8, 6=815/0-3-8
 Max Horz 8=381(LC 6)
 Max Uplift 8=386(LC 9), 6=301(LC 9)
 Max Grav 8=1103(LC 2), 6=1029(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-9=-1218/274, 3-9=-1003/285, 3-10=-286/73, 5-6=-487/164, 2-8=-1032/416
 BOT CHORD 7-8=-329/327, 6-7=-280/1029
 WEBS 3-7=-9/256, 3-6=-1045/411, 2-7=-129/877

JOINT STRESS INDEX
 2 = 0.79, 3 = 0.41, 4 = 0.91, 5 = 0.94, 6 = 0.83, 7 = 0.53 and 8 = 0.96

- 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 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 386 lb uplift at joint 8 and 301 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

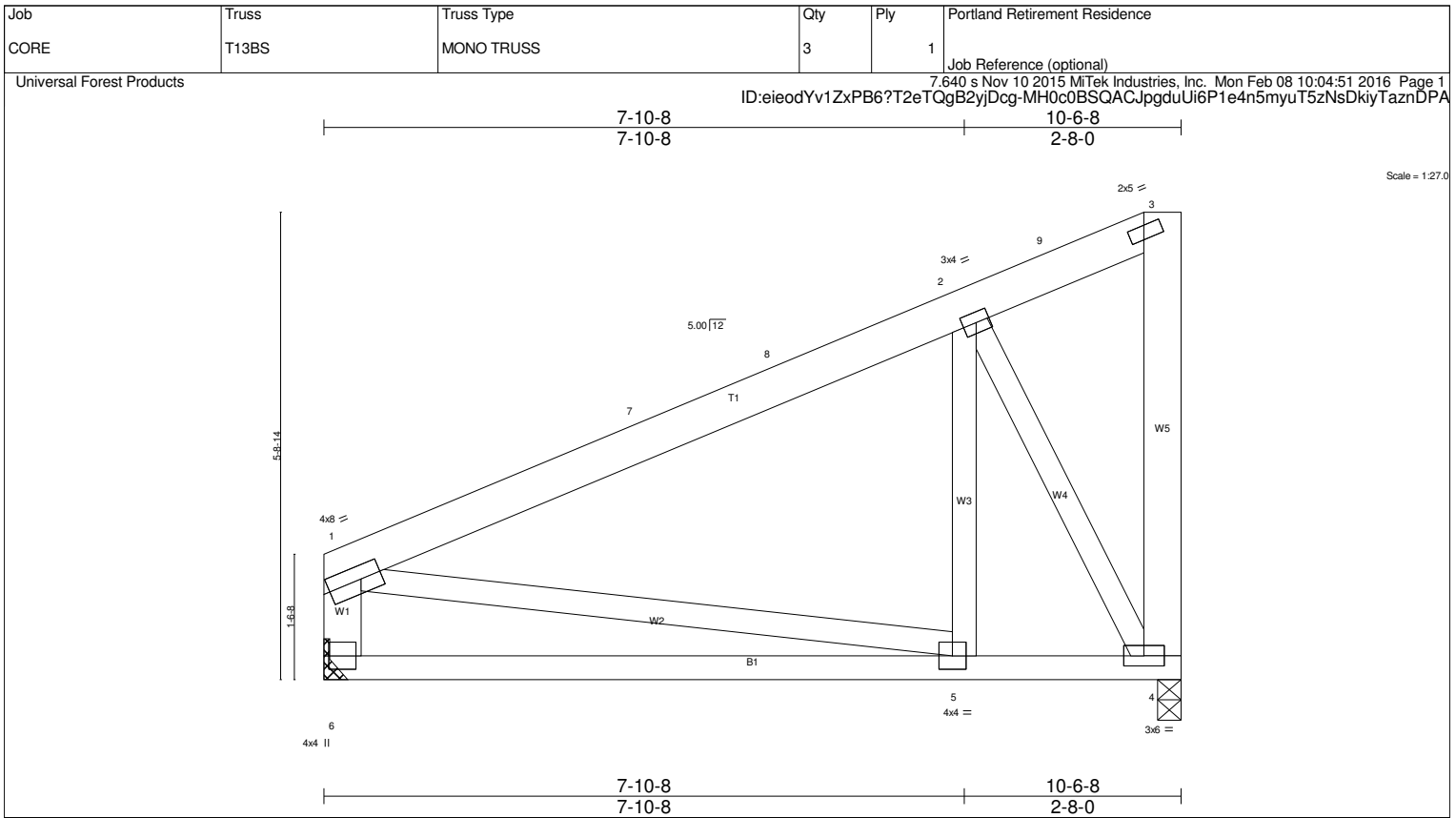


Plate Offsets (X,Y)-- [1:0-3-0,0-2-0], [3:0-2-4,0-1-0]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.37 BC 0.39 WB 0.42 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.06 5-6 >999 360 Vert(TL) -0.14 5-6 >845 240 Horz(TL) 0.01 4 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 62 lb	FT = 4%

<p>LUMBER-</p> <p>TOP CHORD 2x6 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3 *Except* W5,W1: 2x6 SPF No.2</p>	<p>BRACING-</p> <p>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.</p>
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REACTIONS. (lb/size) 4=575/0-3-8, 6=575/Mechanical
 Max Horz 6=275(LC 6)
 Max Uplift 4=-219(LC 9), 6=-157(LC 9)
 Max Grav 4=679(LC 2), 6=605(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-7=-558/107, 7-8=-415/108, 2-8=-359/120, 3-4=-292/107, 1-6=-523/198
 BOT CHORD 5-6=-283/435, 4-5=-127/383
 WEBS 2-5=0/274, 2-4=-802/302

JOINT STRESS INDEX
 1 = 0.89, 2 = 0.40, 3 = 0.87, 4 = 0.38, 5 = 0.19 and 6 = 0.88

- 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 4 and 157 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

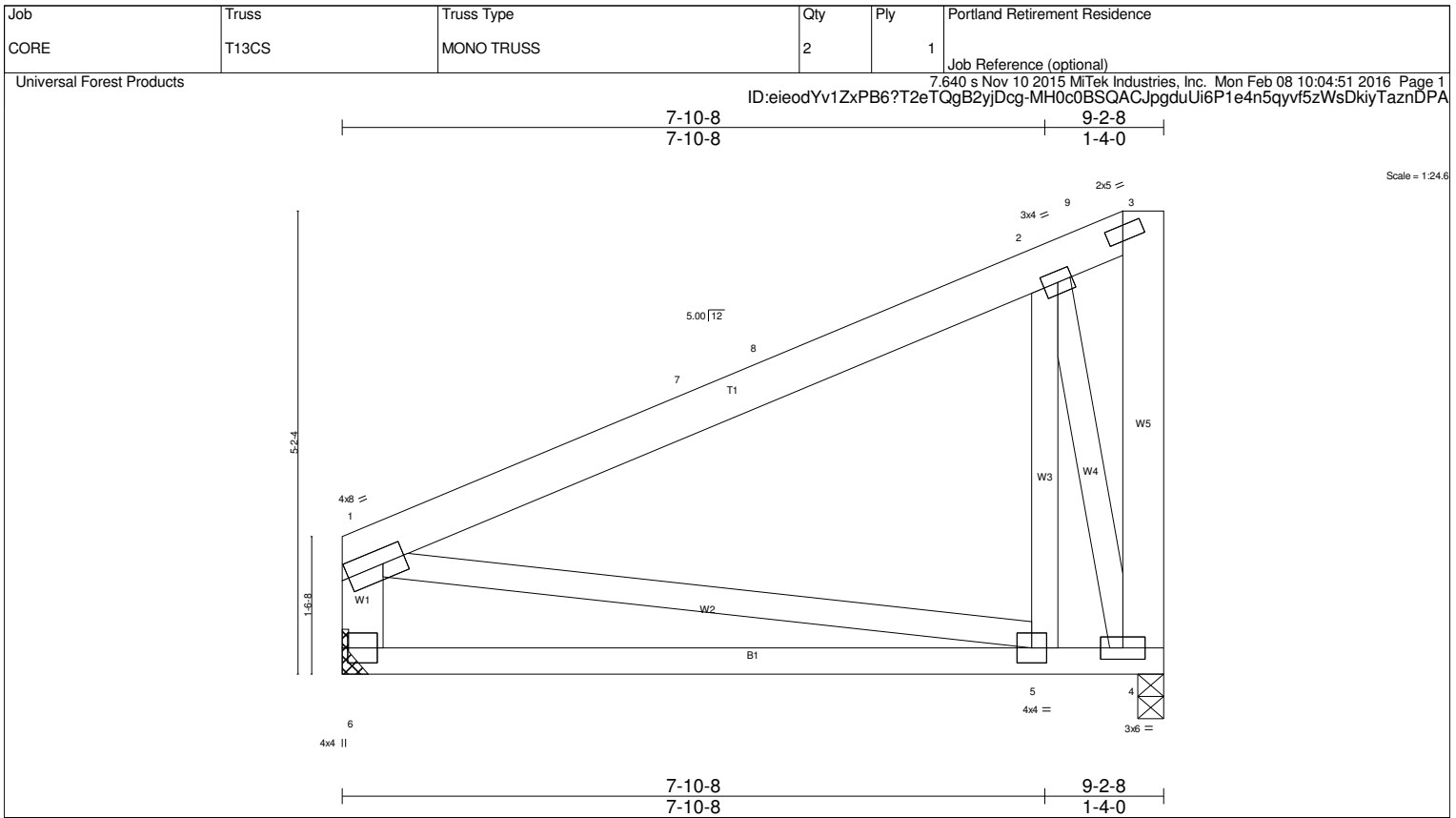


Plate Offsets (X,Y)-- [1:0-3-0,0-2-0], [3:0-2-4,0-1-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.37 BC 0.38 WB 0.41 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.05 5-6 >999 360 Vert(TL) -0.14 5-6 >759 240 Horz(TL) 0.01 4 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 56 lb	FT = 4%

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF No.2
WEBS 2x4 SPF No.3 *Except*
W5,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) 4=499/0-3-8, 6=499/Mechanical
Max Horz 6=246(LC 6)
Max Uplift 4=-191(LC 9), 6=-135(LC 9)
Max Grav 4=581(LC 2), 6=524(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-402/67, 7-8=-258/67, 3-4=-255/294, 1-6=-442/174
BOT CHORD 5-6=-256/429
WEBS 2-5=0/333, 2-4=-916/334

JOINT STRESS INDEX
1 = 0.88, 2 = 0.45, 3 = 0.79, 4 = 0.58, 5 = 0.23 and 6 = 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 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 191 lb uplift at joint 4 and 135 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

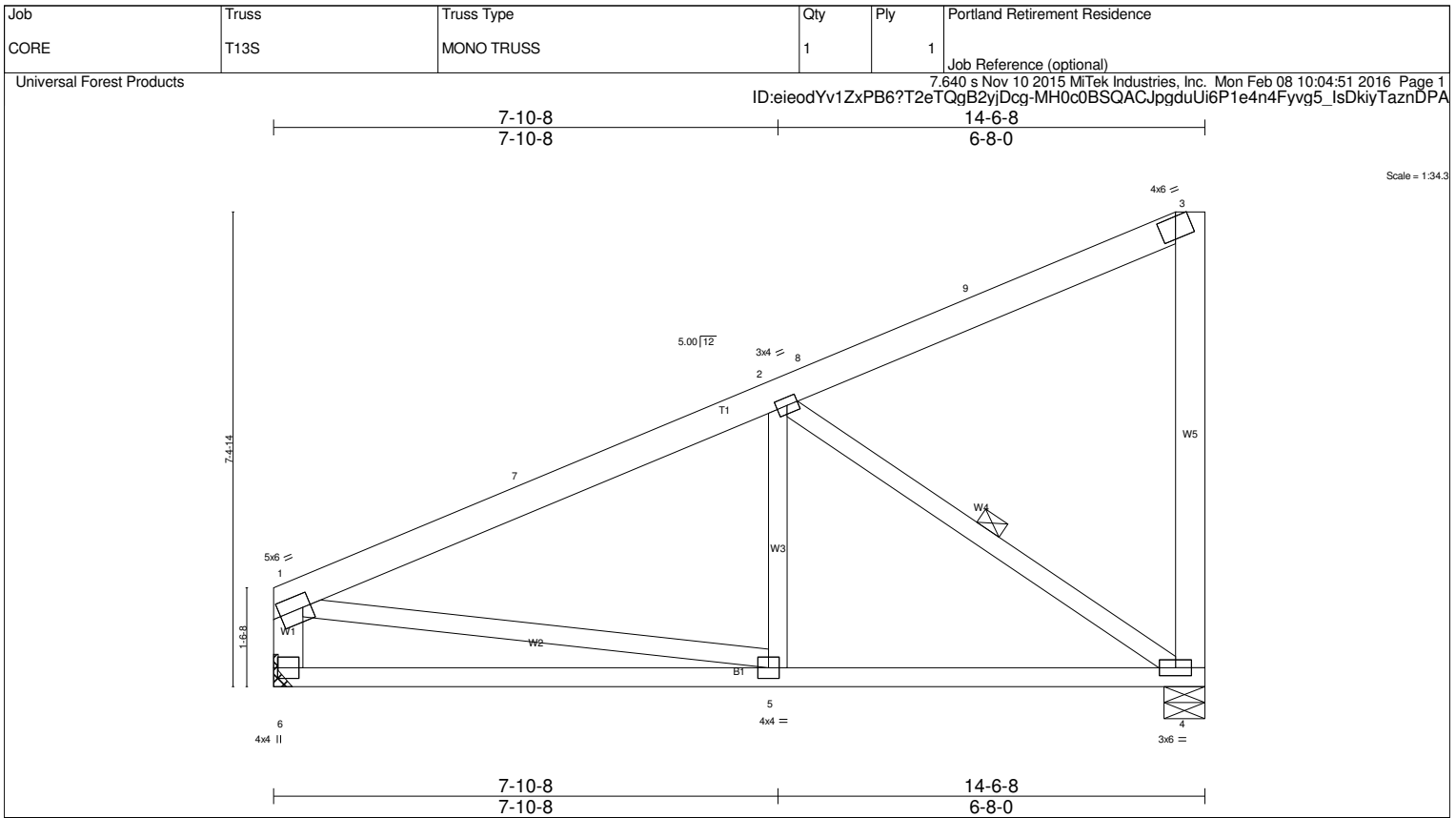


Plate Offsets (X,Y)-- [1:0-1-8,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.40 BC 0.38 WB 0.36 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.05 5-6 >999 360 Vert(TL) -0.13 5-6 >999 240 Horz(TL) 0.02 4 n/a n/a	MT20	197/144
TCDL 7.0				Weight: 80 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 9-9-7 oc bracing.
WEBS 2x4 SPF No.3 *Except* W5,W1: 2x6 SPF No.2	WEBS 1 Row at midpt 2-4

REACTIONS. (lb/size) 4=803/0-7-11, 6=803/Mechanical
 Max Horz 6=361(LC 6)
 Max Uplift 4=301(LC 9), 6=224(LC 9)
 Max Grav 4=978(LC 2), 6=849(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-7=-1042/236, 2-7=-904/248, 3-4=-366/116, 1-6=-765/264
 BOT CHORD 5-6=-360/428, 4-5=-228/839
 WEBS 2-5=0/268, 2-4=-962/386, 1-5=0/431

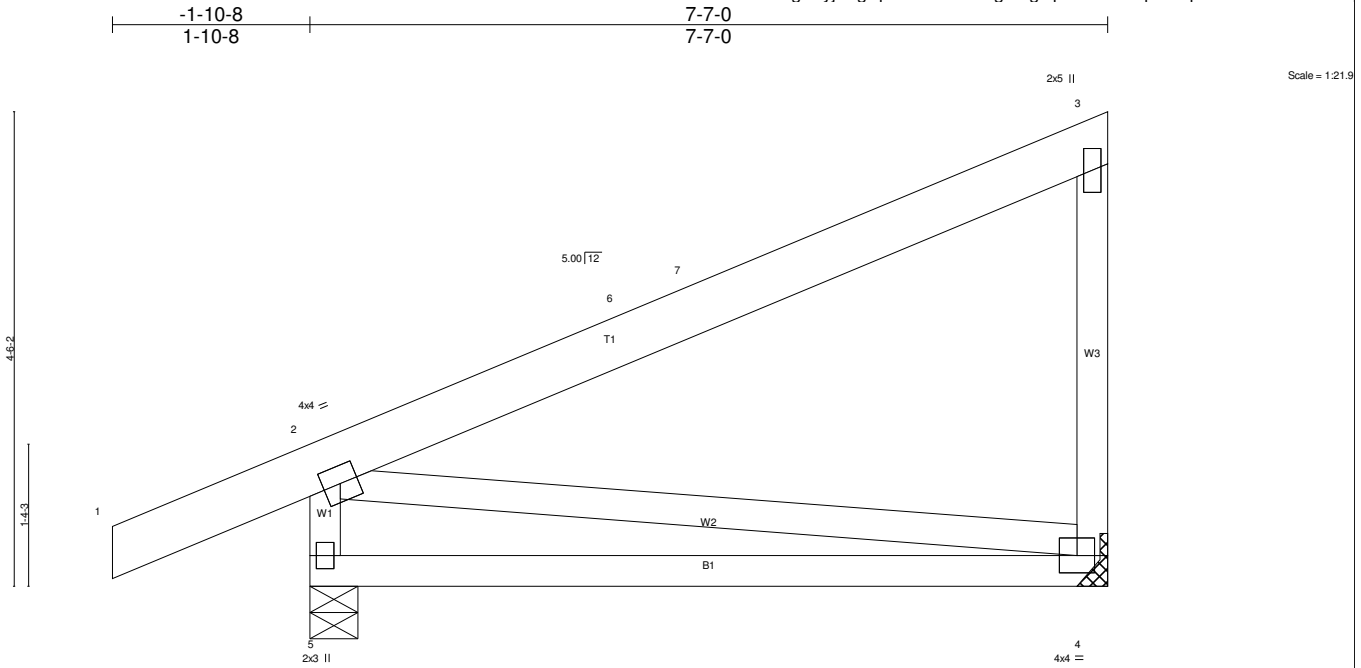
JOINT STRESS INDEX
 1 = 1.00, 2 = 0.39, 3 = 0.95, 4 = 0.56, 5 = 0.27 and 6 = 0.86

- 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) 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 301 lb uplift at joint 4 and 224 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
CORE	T14	MONO TRUSS	6	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:52 2016 Page 1
 ID:ei eodYv1ZxPB6?T2eTQgB2yjDcg-qJa?DXT3xVRgInTgGpwGBHKbqMF1qWE?RORV00znDP9



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 0.67 BC 0.37 WB 0.06 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.13 4-5 >664 360 Vert(TL) -0.33 4-5 >265 240 Horz(TL) -0.00 4 n/a n/a	PLATES GRIP MT20 197/144 Weight: 40 lb FT = 4%
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LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x4 SPF 2100F 1.8E
 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) 5=632/0-5-8, 4=389/Mechanical
 Max Horz 5=223(LC 6)
 Max Uplift 5=-266(LC 9), 4=-145(LC 9)
 Max Grav 5=667(LC 2), 4=473(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-4=-401/156, 2-5=-594/302

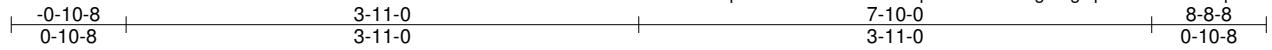
JOINT STRESS INDEX
 2 = 0.27, 3 = 0.46, 4 = 0.15 and 5 = 0.35

- 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) 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 266 lb uplift at joint 5 and 145 lb uplift at joint 4.
 - 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
CORE	T14E	Common	3	1	

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:52 2016 Page 1
 ID:NHIEkEanFpWFtScxLnThzwz1kcs-qUa?DXT3xVRgInTgGpwGBHKIOMHfqV0?RORV00znDP9



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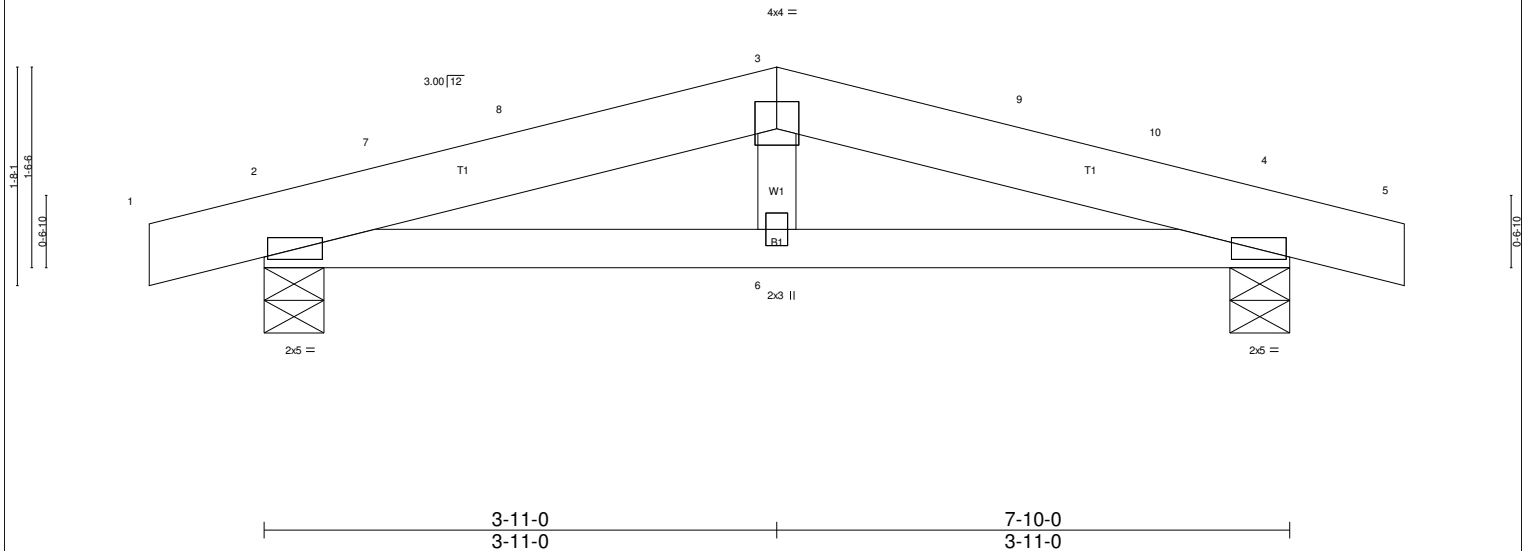


Plate Offsets (X,Y)-- [2:0-0-5,0-0-3], [3:0-2-0,0-2-8], [4:0-0-5,0-0-3]

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 0.25 BC 0.20 WB 0.07 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.01 6 >999 360 Vert(TL) -0.03 6 >999 240 Horz(TL) 0.01 4 n/a n/a	PLATES GRIP MT20 197/144 Weight: 28 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. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS. (lb/size) 2=524/0-5-8, 4=524/0-5-8
 Max Horz 2=-21(LC 6)
 Max Uplift 2=-213(LC 9), 4=-213(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-7=-726/174, 7-8=-719/176, 3-8=-718/180, 3-9=-718/180, 9-10=-719/176, 4-10=-726/174
 BOT CHORD 2-6=-129/685, 4-6=-129/685

JOINT STRESS INDEX
 2 = 0.64, 3 = 0.20, 4 = 0.64 and 6 = 0.19

- 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 ; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 213 lb uplift at joint 2 and 213 lb uplift at joint 4.
 - 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
CORE	T14F	Common	1	1	Job Reference (optional)

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:53 2016 Page 1
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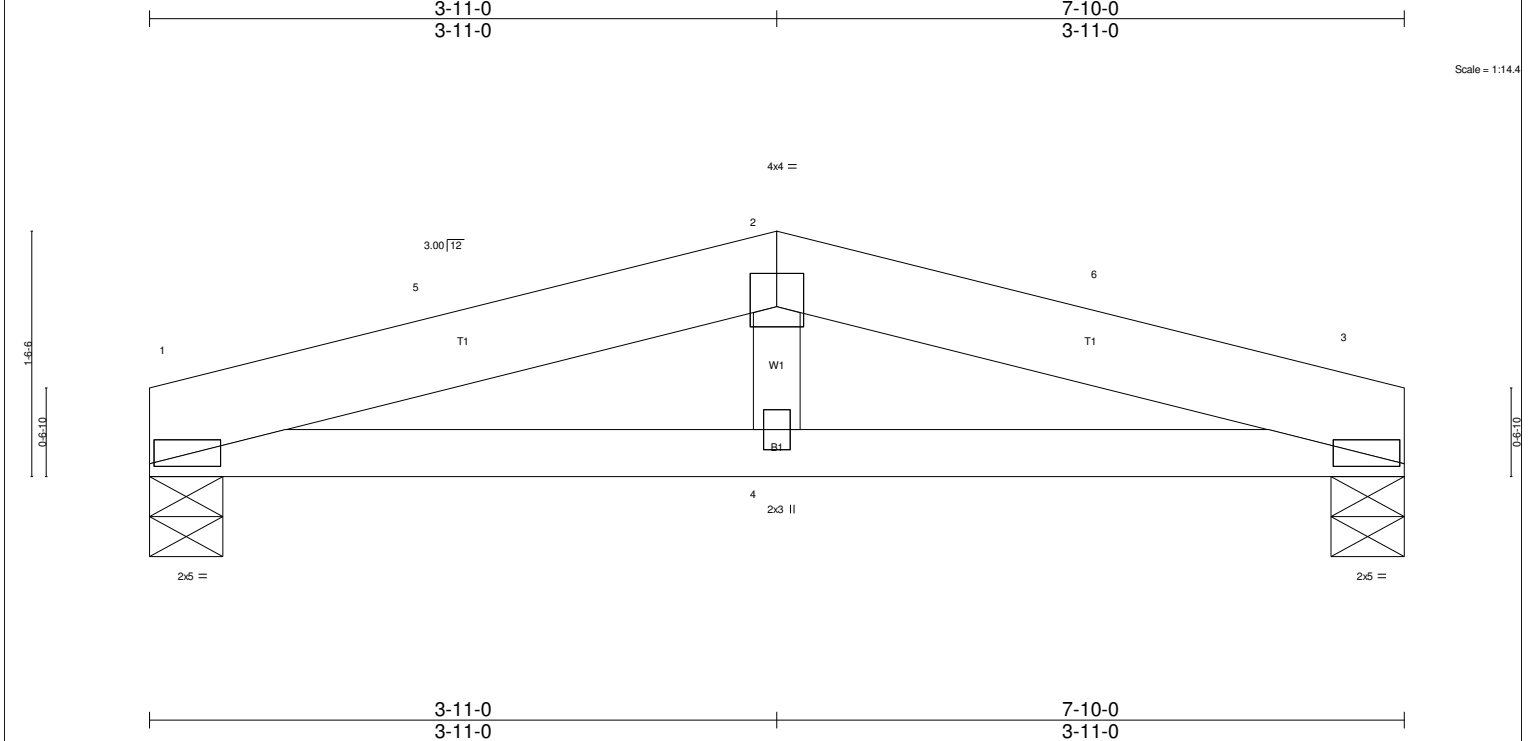


Plate Offsets (X,Y)-- [1:0-0-5,0-0-3], [2:0-2-0,0-2-8], [3:0-0-5,0-0-3]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.25 BC 0.21 WB 0.07 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.02 4 >999 360 Vert(TL) -0.03 4 >999 240 Horz(TL) 0.01 3 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 25 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.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=420/0-5-8, 3=420/0-5-8
 Max Horz 1=19(LC 8)
 Max Uplift 1=-137(LC 9), 3=-137(LC 9)
 Max Grav 1=425(LC 15), 3=425(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-5=-759/210, 2-5=-725/214, 2-6=-725/214, 3-6=-759/210
 BOT CHORD 1-4=-169/693, 3-4=-169/693

JOINT STRESS INDEX
 1 = 0.59, 2 = 0.20, 3 = 0.59 and 4 = 0.19

- 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 ; 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 137 lb uplift at joint 1 and 137 lb uplift at joint 3.
 - 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
CORE	T16	SPECIAL	11	1	

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:53 2016 Page 1
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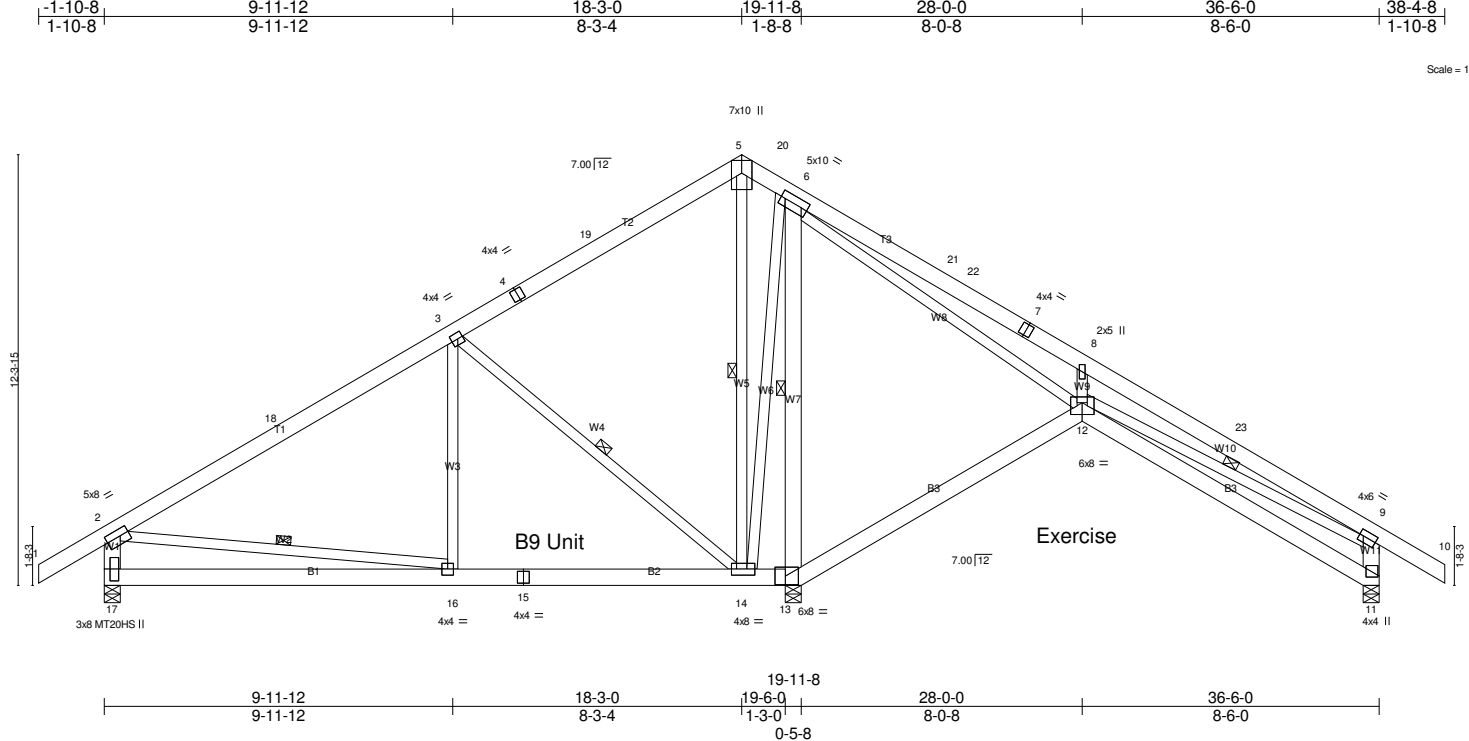


Plate Offsets (X,Y)-- [2:0-3-0-0-2-4], [3:0-1-12-0-2-0], [6:0-2-1-0-2-8], [9:0-1-4-0-2-0], [11:0-2-0-0-1-12], [12:0-4-0-0-4-0], [13:0-3-8-0-3-0], [14:0-1-12-0-2-0], [17:0-4-0-0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.72 BC 0.31 WB 0.72 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.07 14-16 >999 360 Vert(TL) -0.13 14-16 >999 240 Horz(TL) 0.12 11 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 256 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W11,W7,W1: 2x6 SPF No.2	WEBS 1 Row at midpt 3-14, 5-14, 6-13, 9-12, 2-16

REACTIONS. (lb/size) 11=661/0-5-8, 13=2976/0-5-8, 17=868/0-5-8
 Max Horz 17=411(LC 8)
 Max Uplift 11=405(LC 9), 13=769(LC 9), 17=458(LC 9)
 Max Grav 11=661(LC 1), 13=2976(LC 1), 17=1182(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-18=1043/306, 3-18=627/358, 3-4=118/720, 4-19=0/783, 5-19=0/847, 5-20=0/595, 6-20=0/502, 6-21=123/345, 21-22=170/327,
 7-22=184/325, 7-8=352/313, 9-23=361/11, 9-11=741/454, 2-17=1084/507
 BOT CHORD 12-13=897/519, 11-12=154/430, 16-17=353/528, 15-16=311/711, 14-15=311/711, 13-14=812/448
 WEBS 3-16=0/413, 3-14=1122/510, 5-14=920/44, 6-14=113/1337, 6-13=2016/473, 6-12=202/1045, 8-12=836/569, 9-12=244/308,
 2-16=421/256

JOINT STRESS INDEX
 2 = 0.98, 3 = 0.48, 4 = 0.73, 5 = 0.97, 6 = 0.85, 7 = 0.52, 8 = 0.37, 9 = 0.87, 11 = 0.88, 12 = 0.66, 13 = 0.99, 14 = 0.89, 15 = 0.30, 16 = 0.40 and 17 = 1.00

- 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 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) 11, 13 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 405 lb uplift at joint 11, 769 lb uplift at joint 13 and 458 lb uplift at joint 17.
 - 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.

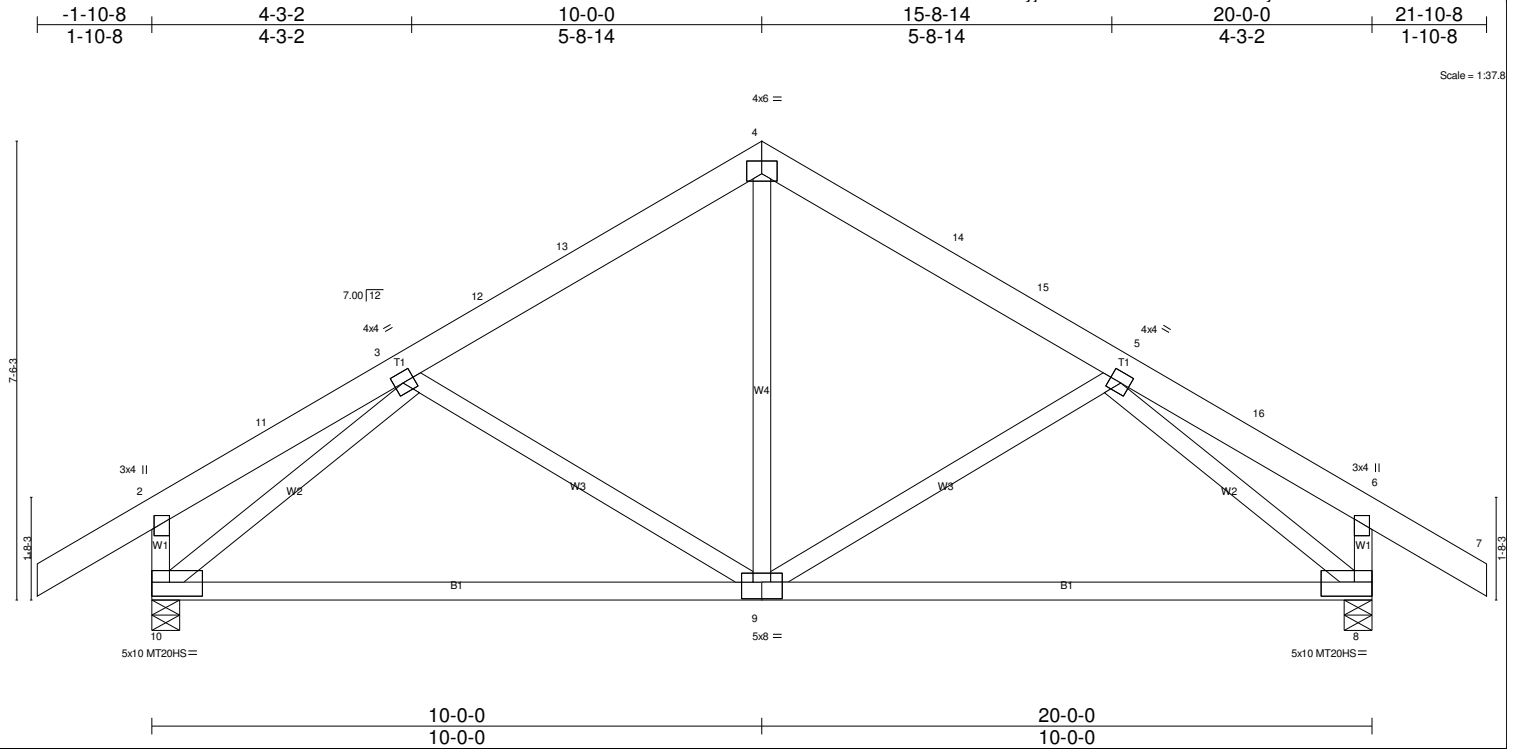
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T16A	QUEENPOST	2	1	

Job Reference (optional)

Universal Forest Products

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 ID:b4mY2EwH5ZfvLldRluS8GTyjDce-mshleDVJT7hOX5d2NEykGiPV7AsbiGAlvwc4vznDP7



Scale = 1:37.8

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.81 BC 0.68 WB 0.67 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.14 8-9 >999 360 Vert(TL) -0.34 8-9 >687 240 Horz(TL) 0.03 8 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 110 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) 10=1313/0-5-8, 8=1313/0-5-8
 Max Horz 10=268(LC 7)
 Max Uplift 10=506(LC 9), 8=506(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-11=-331/96, 3-11=-317/111, 3-12=-1077/405, 12-13=-955/409, 4-13=-842/423, 4-14=-842/423, 14-15=-955/409, 5-15=-1077/405,
 5-16=-317/111, 6-16=-331/96, 2-10=-491/288, 6-8=-491/288
 BOT CHORD 9-10=-171/927, 8-9=-171/927
 WEBS 4-9=-100/385, 3-10=-1084/390, 5-8=-1084/390

JOINT STRESS INDEX
 2 = 0.95, 3 = 0.47, 4 = 0.95, 5 = 0.47, 6 = 0.95, 8 = 0.75, 9 = 0.82 and 10 = 0.75

- 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 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 506 lb uplift at joint 10 and 506 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) 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

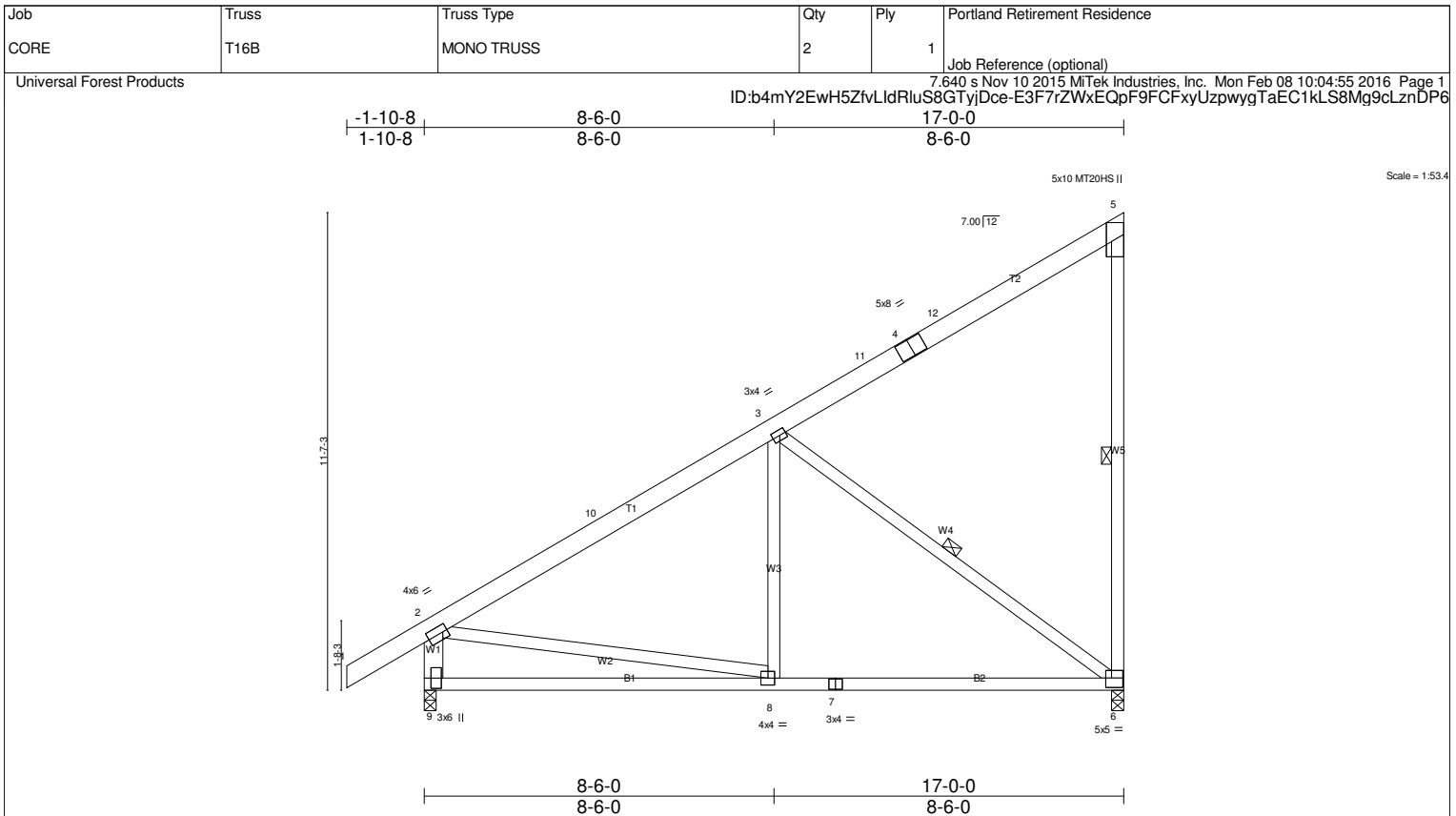


Plate Offsets (X,Y)-- [2:0-1-4,0-2-0], [3:0-1-12,0-1-8], [5:0-5-8,Edge], [6:0-1-12,0-2-12], [9:0-3-0,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.77 BC 0.53 WB 0.61 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.19 6-8 >999 360 Vert(TL) -0.27 6-8 >733 240 Horz(TL) 0.02 6 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 101 lb	FT = 4%

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: 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 5-6, 3-6

REACTIONS. (lb/size) 6=935/0-3-8, 9=1158/0-3-8
Max Horz 9=593(LC 6)
Max Uplift 6=386(LC 9), 9=379(LC 9)
Max Grav 6=1199(LC 2), 9=1215(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-10=-1144/214, 3-10=-791/232, 3-11=-325/110, 4-11=-266/121, 4-12=-263/121, 5-6=-508/161, 2-9=-1131/428
BOT CHORD 8-9=-561/373, 7-8=-320/841, 6-7=-320/841
WEBS 3-8=0/329, 3-6=-1015/485, 2-8=-37/627

JOINT STRESS INDEX
2 = 0.87, 3 = 0.60, 4 = 0.96, 5 = 0.90, 6 = 0.85, 7 = 0.35, 8 = 0.41 and 9 = 1.00

- 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 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 386 lb uplift at joint 6 and 379 lb uplift at joint 9.
 - 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
CORE	T16C	SPECIAL	2	1	

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 ID:b4mY2EwH5ZfvLldRluS8GTyjDce-E3F7rZWxEQpF9FCFxyUzpwgyaaFd1fpS8Mg9cLnDP6

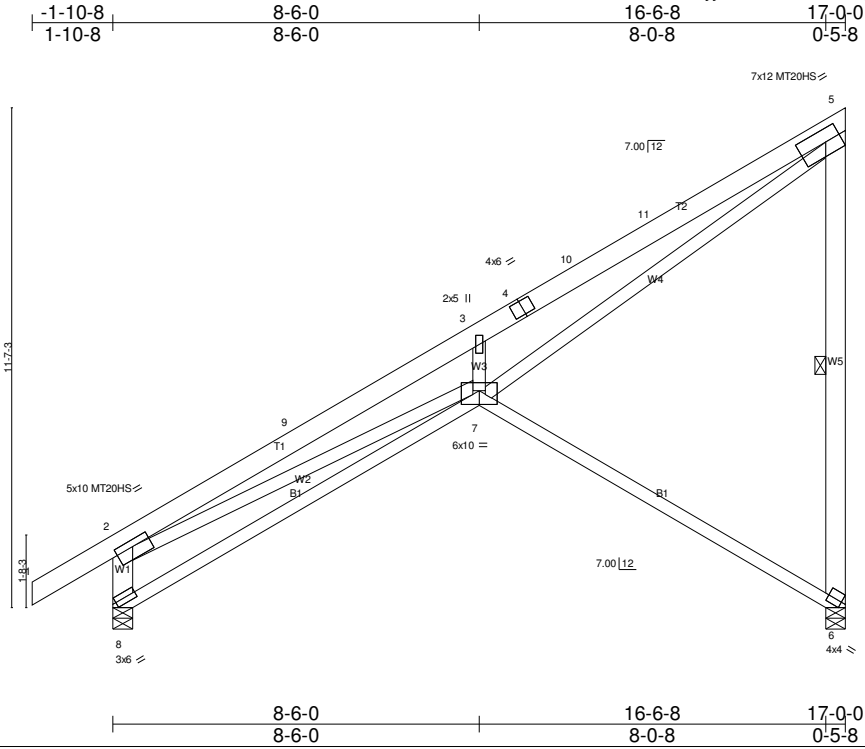


Plate Offsets (X,Y)-- [2:0-5-0-0-1-12], [5:0-4-5-0-3-8], [6:0-1-5-Edge], [7:0-5-0-0-3-12], [8:0-0-15-Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.83 BC 0.50 WB 0.90 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.40 7 >502 360 Vert(TL) -0.61 6-7 >328 240 Horz(TL) -0.72 8 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 107 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF 2100F 1.8E *Except* T1: 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x6 SPF No.2 *Except* W4,W2: 2x4 SPF No.2, W3: 2x4 SPF No.3	WEBS 1 Row at midpt 5-6

REACTIONS. (lb/size) 8=1153/0-5-8, 6=930/0-5-8
 Max Horz 6=595(LC 6)
 Max Uplift 8=375(LC 9), 6=386(LC 9)
 Max Grav 8=1211(LC 2), 6=1193(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-9=-3671/0, 3-9=-3448/9, 3-4=-3687/141, 4-10=-3576/142, 10-11=-3448/154, 5-11=-3442/172, 2-8=-1374/425, 5-6=-1119/165
 BOT CHORD 6-7=-322/590, 7-8=-73/567
 WEBS 5-7=-70/3672, 3-7=-809/547, 2-7=-61/2701

JOINT STRESS INDEX
 2 = 0.95, 3 = 0.35, 4 = 0.67, 5 = 0.89, 6 = 0.87, 7 = 0.90 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); 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) 8, 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 capable of withstanding 375 lb uplift at joint 8 and 386 lb uplift at joint 6.
 - 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.

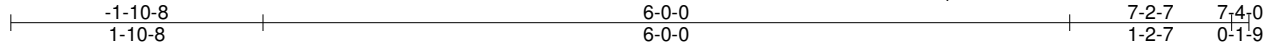
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T16D	Half Hip	1	1	

Job Reference (optional)

Universal Forest Products

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 ID:n2IO11OQTZ0wkrxQLhBcTwzoAo6-iFpV3uWZ?kx6nPnRVf?CL7Vu1zdMmEvmM0Qj9nznDP5



Scale = 1:17.1

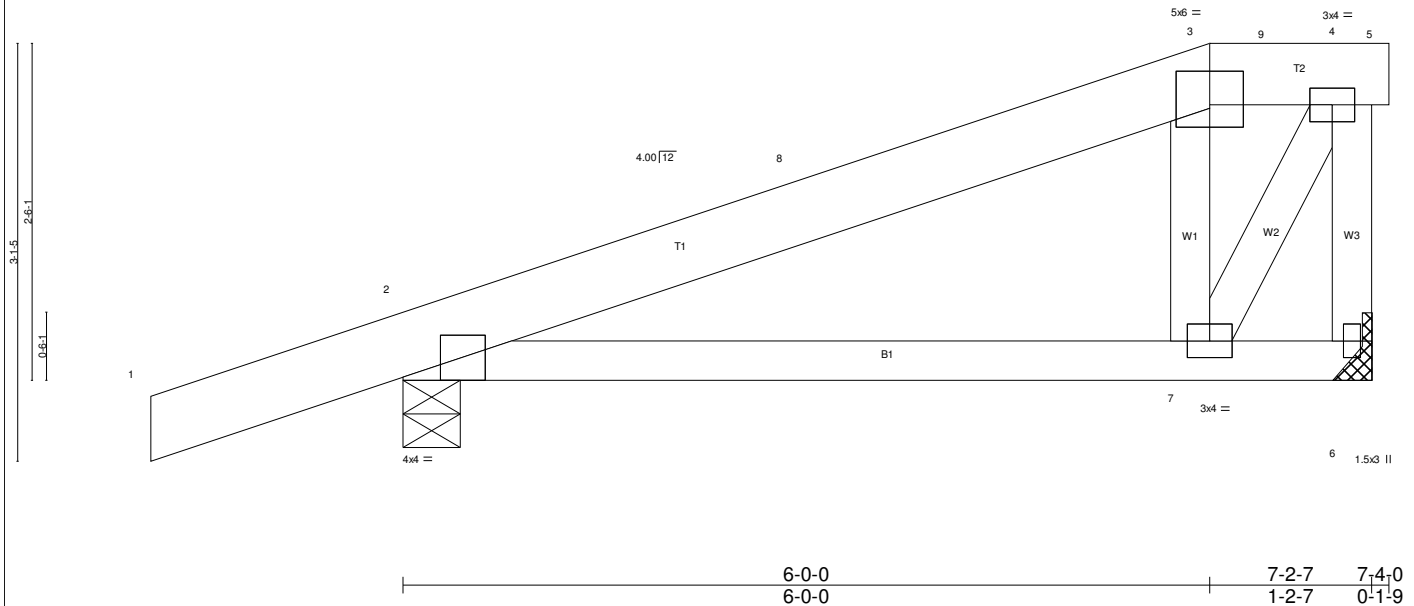


Plate Offsets (X,Y)-- [2:0-3-6,Edge], [3:0-3-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.59 BC 0.28 WB 0.40 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.03 2-7 >999 360 Vert(TL) -0.08 2-7 >991 240 Horz(TL) 0.00 6 n/a n/a	MT20	197/144
TCDL 7.0				Weight: 32 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-

TOP CHORD 2x6 SPF 2100F 1.8E *Except*
 T2: 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.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(lb/size) 2=1220/0-5-2, 6=738/Mechanical
 Max Horz 2=125(LC 6)
 Max Uplift 2=-203(LC 6), 6=-87(LC 6)
 Max Grav 2=1520(LC 17), 6=1038(LC 19)

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

TOP CHORD 2-8=-682/0, 3-8=-460/0, 3-9=-483/54, 4-9=-482/54
 BOT CHORD 2-7=-43/432
 WEBS 3-7=-741/166, 4-7=-110/981, 4-6=-1067/123

JOINT STRESS INDEX

2 = 0.86, 3 = 0.40, 4 = 0.90, 6 = 0.76 and 7 = 0.90

NOTES-

- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 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 203 lb uplift at joint 2 and 87 lb uplift at joint 6.
- 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, 12, 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, concurrent with live and dead loads.
- 13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-198, 3-5=-198, 2-6=-20
- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-198, 3-5=-138, 2-6=-20
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-138, 3-5=-214, 2-6=-20
- 12) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T16D	Half Hip	1	1	Job Reference (optional)

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 ID:n2IOI1OQTZ0wkrxQLhBcTwzoAo6-iFpV3uWZ?kx6nPnRVf?CL7Vu1zdMmEvbM0Qj9nznDP5

LOAD CASE(S) Standard

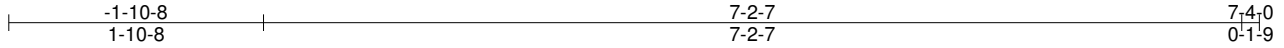
- Uniform Loads (plf)
 - Vert: 1-2=-282, 2-3=-113, 3-5=-113, 2-6=-20
- 13) 3rd Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 1-3=-138, 3-5=-249, 2-6=-20
- 14) 4th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 1-3=-249, 3-5=-138, 2-6=-20
- 15) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-198, 3-5=-198, 2-6=-20
 - Concentrated Loads (lb)
 - Vert: 8=300
- 16) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-198, 3-5=-198, 2-6=-20
 - Concentrated Loads (lb)
 - Vert: 9=300
- 17) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-198, 3-5=-198, 2-6=-20
 - Concentrated Loads (lb)
 - Vert: 2=300
- 18) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-198, 3-5=-198, 2-6=-20
 - Concentrated Loads (lb)
 - Vert: 3=300
- 19) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-198, 3-5=-198, 2-6=-20
 - Concentrated Loads (lb)
 - Vert: 4=300

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T16E	Monopitch	1	1	

Job Reference (optional)

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 ID:n2IO11OQTZ0wkrxQLhBcTwzoAo6-iFpV3uWZ?kx6nPnRVf?CL7VqEzZumHdbM0Qj9nznDP5



Scale = 1:17.0

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.83 BC 0.57 WB 0.22 (Matrix)	Vert(LL) -0.13 Vert(TL) -0.33 Horz(TL) 0.00	2-5 2-5 n/a	>624 >250 n/a	360 240 n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr NO						Weight: 28 lb	FT = 4%
BCLL 0.0	Code IBC2009/TPI2007							
BCDL 10.0								

LUMBER-
 TOP CHORD 2x6 SPF 2100F 1.8E
 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.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=1220/0-5-2, 5=738/Mechanical
 Max Horz 2=144(LC 6)
 Max Uplift 2=-196(LC 6), 5=-99(LC 6)
 Max Grav 2=1520(LC 14), 5=1038(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-6=-302/0
 WEBS 3-5=-969/185

JOINT STRESS INDEX
 2 = 0.82, 3 = 0.40 and 5 = 0.69

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 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 196 lb uplift at joint 2 and 99 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, 12, 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, concurrent with live and dead loads.
 - 12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

- LOAD CASE(S)** Standard
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-198, 2-5=-20
 - 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-198, 4-6=-224, 2-5=-20
 - 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-4=-138, 2-5=-20
 - 12) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-282, 2-4=-113, 2-5=-20
 - 13) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T16E	Monopitch	1	1	Job Reference (optional)

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7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:56 2016 Page 2
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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-198, 2-5=-20

Concentrated Loads (lb)

Vert: 7=-300

14) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-198, 2-5=-20

Concentrated Loads (lb)

Vert: 2=-300

15) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

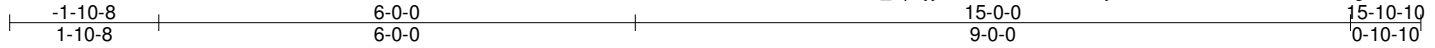
Vert: 1-4=-198, 2-5=-20

Concentrated Loads (lb)

Vert: 3=-300

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T16F	SPECIAL	1	1	

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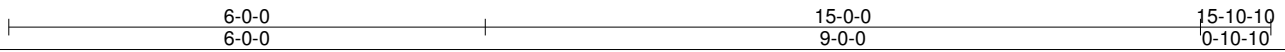
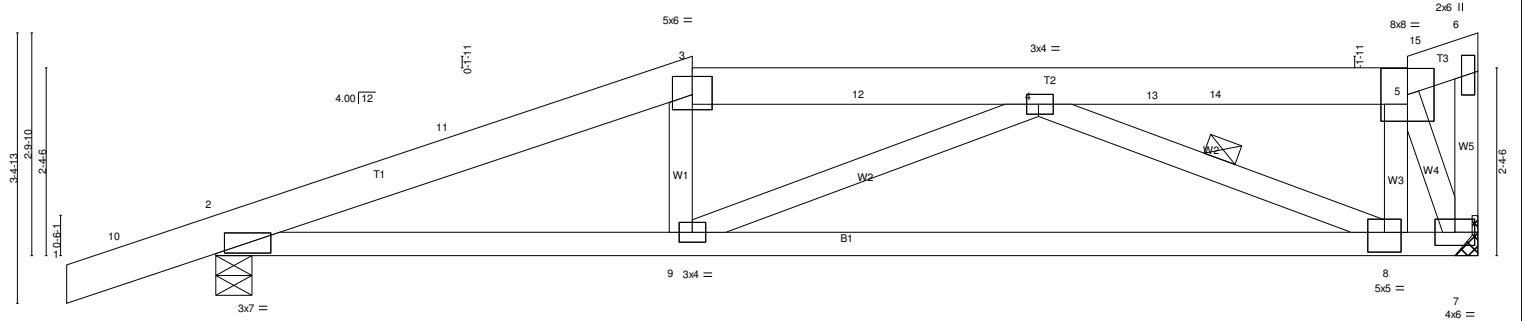


Plate Offsets (X,Y)-- [3:0-3-0-0-2-12], [4:0-1-12,0-1-8], [6:0-3-0-0-0-12], [8:0-2-8,0-3-0]

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 NO Code IBC2009/TPI2007	CSI. TC 0.53 BC 0.51 WB 0.59 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.13 8-9 >999 360 Vert(TL) -0.29 8-9 >642 240 Horz(TL) 0.06 7 n/a n/a	PLATES GRIP MT20 197/144 Weight: 70 lb FT = 4%
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LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x4 SPF 2100F 1.8E
 WEBS 2x4 SPF No.3

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-9-13 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 4-8

REACTIONS. (lb/size) 7=1549/Mechanical, 2=1509/0-5-8
 Max Horz 2=133(LC 8)
 Max Uplift 7=282(LC 9), 2=440(LC 9)
 Max Grav 7=1754(LC 18), 2=1686(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-11=-2923/497, 3-11=-2862/505, 3-12=-2678/524, 4-12=-2686/524, 4-13=-932/140, 13-14=-924/140, 5-14=-924/140, 5-15=-257/78, 6-7=-269/385
 BOT CHORD 2-9=-459/2700, 8-9=-517/3017, 7-8=-124/849
 WEBS 3-9=0/305, 4-9=-371/342, 5-8=-53/1066, 5-7=-2303/298, 4-8=-2288/459

JOINT STRESS INDEX
 2 = 0.78, 3 = 0.91, 4 = 0.86, 5 = 0.68, 6 = 0.94, 7 = 0.85, 8 = 0.76 and 9 = 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) 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 282 lb uplift at joint 7 and 440 lb uplift at joint 2.
 - 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.

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-3=-149, 3=-149-to-5=-213, 5=-213-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-3=-149, 3=-149-to-5=-213, 5=-213-to-6=-218
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T16F	SPECIAL	1	1	Job Reference (optional)

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7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:57 2016 Page 2
 ID:3HKwFaxvssnmzSCdJb_NphyjDcd-BRNuGEXBm23yOYMd2MWRuL13oNw1VeAkg9GhEznDP4

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 2-7=-20

Trapezoidal Loads (plf)

Vert: 1=-38-to-3=-93, 3=-93-to-5=-157, 5=-157-to-6=-162

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=-189, 2=-29-to-3=-69, 3=-69-to-5=-133, 5=-133-to-6=-138

14) 3rd Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 2-7=-20

Trapezoidal Loads (plf)

Vert: 1=-38-to-3=-93, 3=-149-to-5=-213, 5=-157-to-6=-162

15) 4th 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-10=-100, 10=-118-to-3=-168, 3=-93-to-5=-157, 5=-157-to-6=-162

16) 5th 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-3=-93, 3=-165-to-13=-206, 13=-191-to-5=-213, 5=-157-to-6=-162

17) 6th 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-3=-93, 3=-93-to-5=-157, 5=-240-to-6=-245

18) 7th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 2-7=-20

Trapezoidal Loads (plf)

Vert: 1=-38-to-3=-93, 3=-199-to-5=-263, 5=-157-to-6=-162

19) 8th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

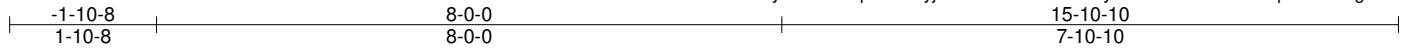
Vert: 2-7=-20

Trapezoidal Loads (plf)

Vert: 1=-144-to-3=-199, 3=-93-to-5=-157, 5=-263-to-6=-268

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T16G	MONO HIP	1	1	

Universal Forest Products
 Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:57 2016 Page 1
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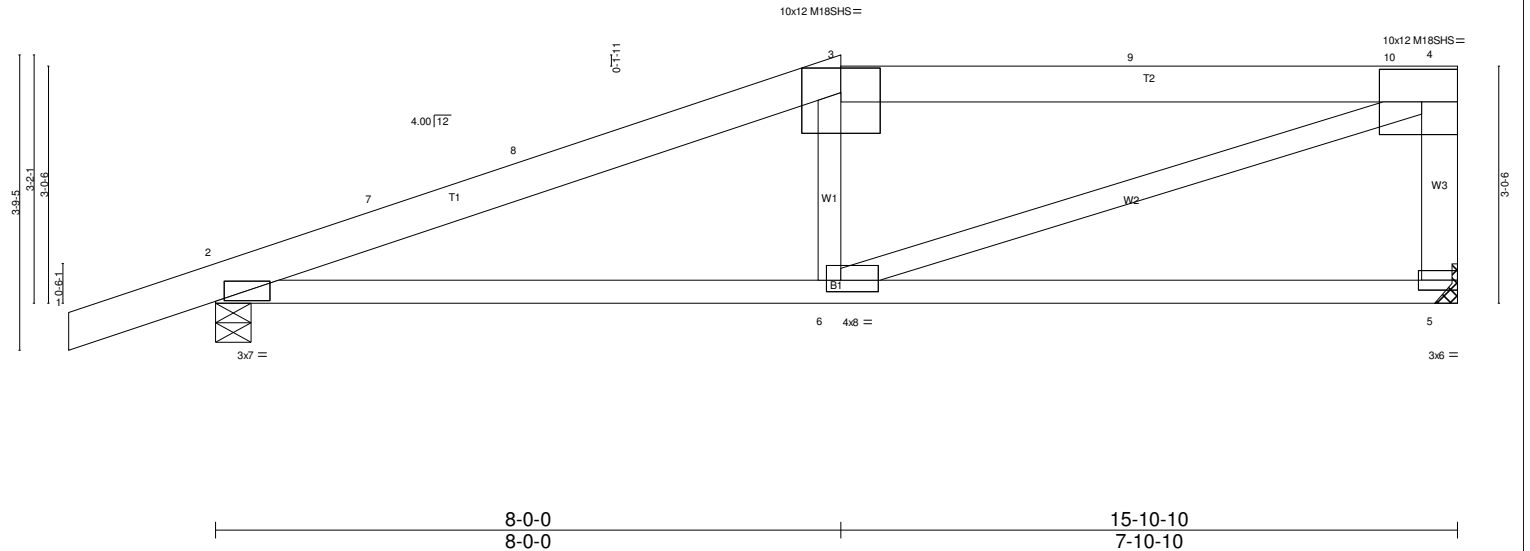


Plate Offsets (X,Y)-- [3:0-6-0-0-3-13], [5:Edge,0-1-8], [6:0-2-4-0-1-12]

LOADING (psf)	SPACING	CSI	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.96 BC 0.93 WB 0.96 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.17 2-6 >999 360 Vert(TL) -0.28 2-6 >659 240 Horz(TL) 0.04 5 n/a n/a	MT20 M18SHS	197/144 197/144
				Weight: 67 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2 *Except*
 T2: 2x6 SPF 2100F 1.8E
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF No.3 *Except*
 W3: 2x6 SPF 2100F 1.8E

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-3-2 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 9-0-15 oc bracing.

REACTIONS. (lb/size) 5=1541/Mechanical, 2=1502/0-5-8
 Max Horz 2=149(LC 8)
 Max Uplift 5=282(LC 9), 2=438(LC 9)
 Max Grav 5=1727(LC 14), 2=1798(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-7=-2626/453, 7-8=-2440/458, 3-8=-2421/469, 3-9=-2330/519, 9-10=-2336/519, 4-10=-2337/519, 4-5=-1636/318
 BOT CHORD 2-6=-416/2303, 5-6=-89/490
 WEBS 3-6=-534/221, 4-6=-440/2184

JOINT STRESS INDEX
 2 = 0.80, 3 = 0.92, 4 = 1.00, 5 = 0.71 and 6 = 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); 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) 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 282 lb uplift at joint 5 and 438 lb uplift at joint 2.
 - 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: 2-5=-20
 Trapezoidal Loads (plf)
 Vert: 1=-94-to-3=-164, 3=-164-to-4=-218
- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 2-5=-20
 Trapezoidal Loads (plf)
 Vert: 1=-94-to-7=-123, 7=-138-to-3=-179, 3=-108-to-4=-162

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T16G	MONO HIP	1	1	Job Reference (optional)

Universal Forest Products

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 ID:XTtJSwyXcAvdacnptJVcLuyjDcc-BRNUGEXBm23yOYMd2MWRuL1z1NpWVYJkbg9GhEznDP4

LOAD CASE(S) Standard

- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 2-5=-20
 - Trapezoidal Loads (plf)
 - Vert: 1=-38-to-3=-108, 3=-182-to-10=-233, 10=-214-to-4=-218
- 13) Dead + Snow on Overhangs: Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 2-5=-20
 - Trapezoidal Loads (plf)
 - Vert: 1=-174-to-2=-189, 2=-29-to-3=-84, 3=-84-to-4=-138
- 14) 3rd Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 2-5=-20
 - Trapezoidal Loads (plf)
 - Vert: 1=-38-to-3=-108, 3=-214-to-4=-268
- 15) 4th Unbal. Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15
 - Uniform Loads (plf)
 - Vert: 2-5=-20
 - Trapezoidal Loads (plf)
 - Vert: 1=-144-to-3=-214, 3=-108-to-4=-162

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T16H	MONO HIP	1	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:58 2016 Page 1
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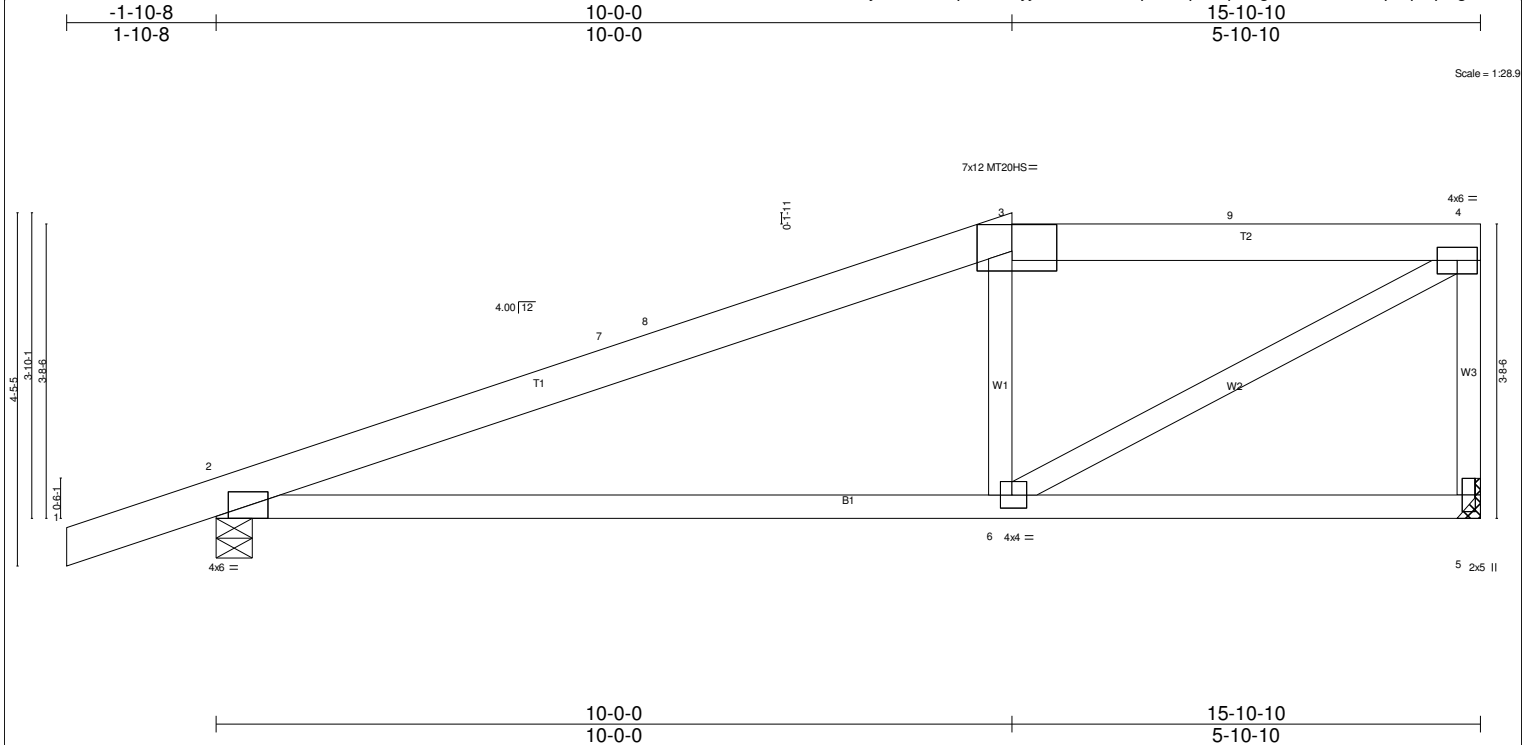


Plate Offsets (X,Y)-- [3:0-6-12,0-4-0], [6:0-1-12,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.74 BC 0.76 WB 0.69 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.20 2-6 >914 360 Vert(TL) -0.48 2-6 >391 240 Horz(TL) 0.02 5 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0				Weight: 65 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x6 SPF 2100F 1.8E *Except* T2: 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-5-13 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3	

REACTIONS. (lb/size) 5=871/Mechanical, 2=1095/0-5-8
 Max Horz 2=183(LC 8)
 Max Uplift 5=-286(LC 9), 2=-436(LC 9)
 Max Grav 5=940(LC 14), 2=1482(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-7=-1611/372, 7-8=-1381/372, 3-8=-1354/385, 3-9=-1343/458, 4-9=-1345/457, 4-5=-893/310
 BOT CHORD 2-6=-332/1321
 WEBS 3-6=-562/297, 4-6=-453/1568

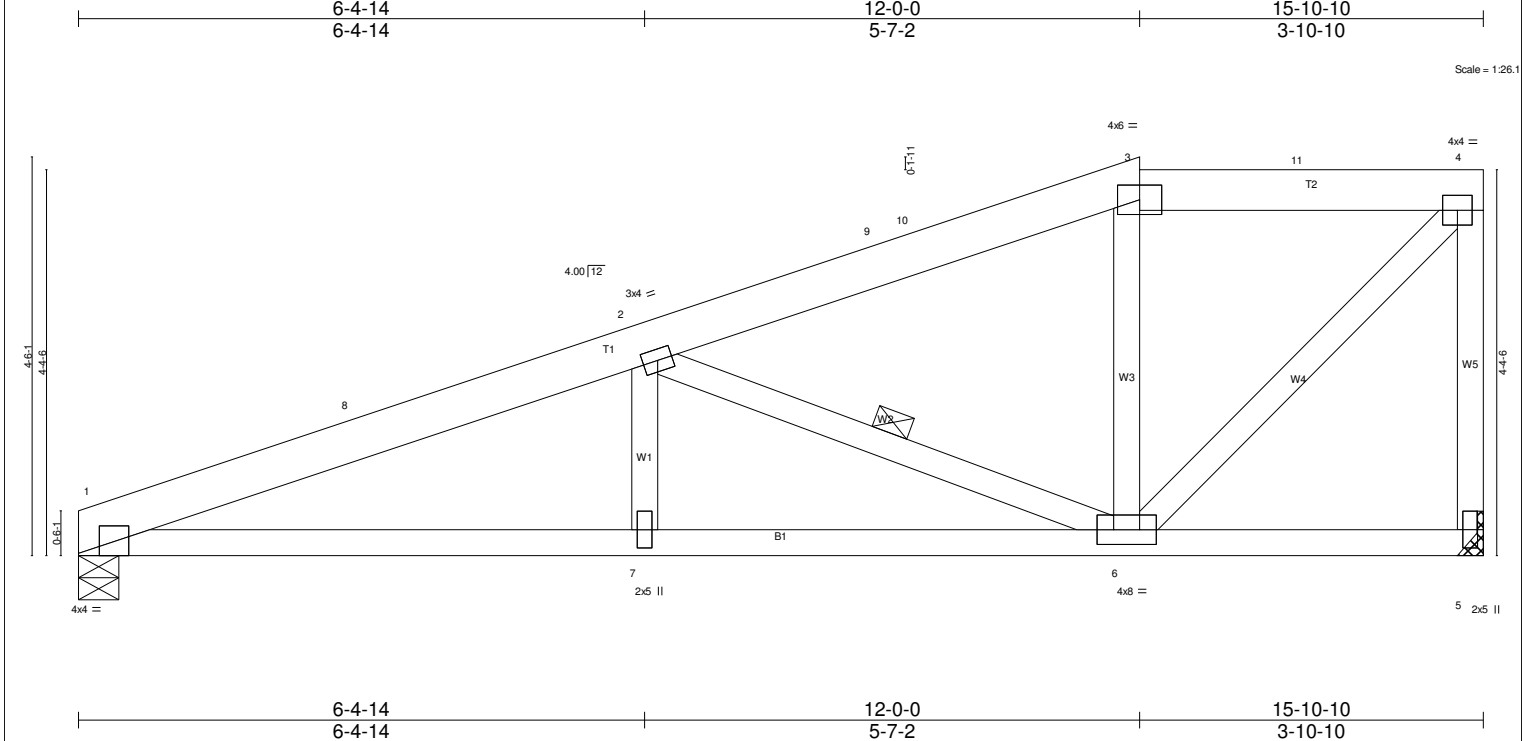
JOINT STRESS INDEX
 2 = 0.68, 3 = 0.99, 4 = 0.70, 5 = 0.96 and 6 = 0.87

- 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); 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) 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 286 lb uplift at joint 5 and 436 lb uplift at joint 2.
 - 11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TP1 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
CORE	T16J	MONO HIP	1	1	Job Reference (optional)

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:58 2016 Page 1
 ID:XTtJSWYXcAvdacrptJVcLuyjDcc-fexGUaYpWLBp0ixqc41gRYaEfnC?E6NuqKvpDgzndP3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.52 BC 0.72 WB 0.53 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.11 1-7 >999 360 Vert(TL) -0.18 1-7 >999 240 Horz(TL) 0.05 5 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0	Rep Stress Incr YES Code IBC2009/TPI2007			Weight: 71 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3	TOP CHORD Structural wood sheathing directly applied or 3-9-12 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 8-0-6 oc bracing. WEBS 1 Row at midpt 2-6

REACTIONS. (lb/size) 1=884/0-5-8, 5=884/Mechanical
 Max Horz 1=206(LC 8)
 Max Uplift 1=-278(LC 9), 5=-300(LC 9)
 Max Grav 1=1223(LC 14), 5=923(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-8=-2421/531, 2-8=-2300/541, 2-9=-1013/266, 9-10=-878/272, 3-10=-874/279, 3-11=-842/308, 4-11=-844/307, 4-5=-887/321
 BOT CHORD 1-7=-530/2180, 6-7=-530/2180
 WEBS 2-6=-1455/393, 4-6=-331/1196

JOINT STRESS INDEX
 1 = 0.88, 2 = 0.58, 3 = 0.85, 4 = 0.79, 5 = 0.53, 6 = 0.86 and 7 = 0.16

- 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) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 278 lb uplift at joint 1 and 300 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) 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
CORE	T16K	MONO HIP	1	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:59 2016 Page 1
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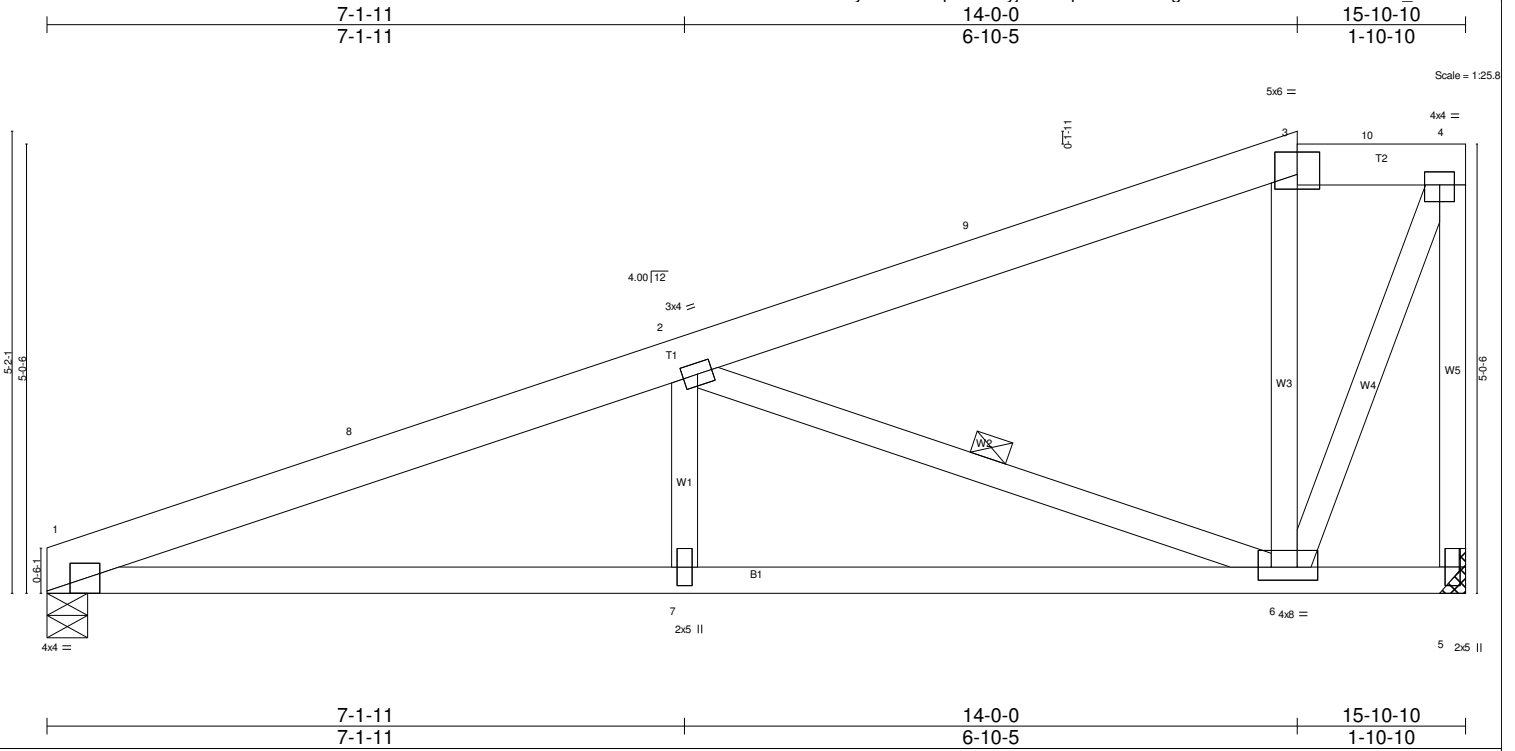


Plate Offsets (X,Y)-- [1:0-3-2,Edge], [3:0-3-0,0-3-0], [4:0-2-0,0-1-12], [6:0-1-12,0-1-12]

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 0.57 BC 0.77 WB 0.62 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) -0.14 1-7 >999 360 Vert(TL) -0.23 1-7 >816 240 Horz(TL) 0.05 5 n/a n/a	PLATES GRIP MT20 197/144 Weight: 73 lb FT = 4%
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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 3-7-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-1-11 oc bracing.
WEBS 1 Row at midpt 2-6

REACTIONS. (lb/size) 1=884/0-5-8, 5=884/Mechanical
Max Horz 1=241(LC 8)
Max Uplift 1=273(LC 9), 5=304(LC 9)
Max Grav 1=1261(LC 14), 5=1097(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-2447/499, 2-8=-2312/510, 2-9=-688/159, 3-9=-527/168, 3-10=-509/212, 4-10=-511/212, 4-5=-1087/316
BOT CHORD 1-7=-511/2200, 6-7=-511/2200
WEBS 2-7=0/288, 2-6=-1813/492, 3-6=-530/178, 4-6=-333/1350

JOINT STRESS INDEX
1 = 0.88, 2 = 0.71, 3 = 0.94, 4 = 0.88, 5 = 0.73, 6 = 0.96 and 7 = 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, 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 273 lb uplift at joint 1 and 304 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) 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.

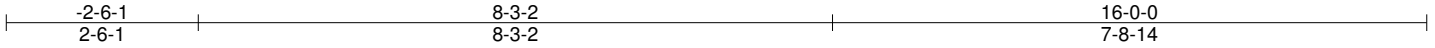
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T16L	MONO TRUSS	6	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:04:59 2016 Page 1
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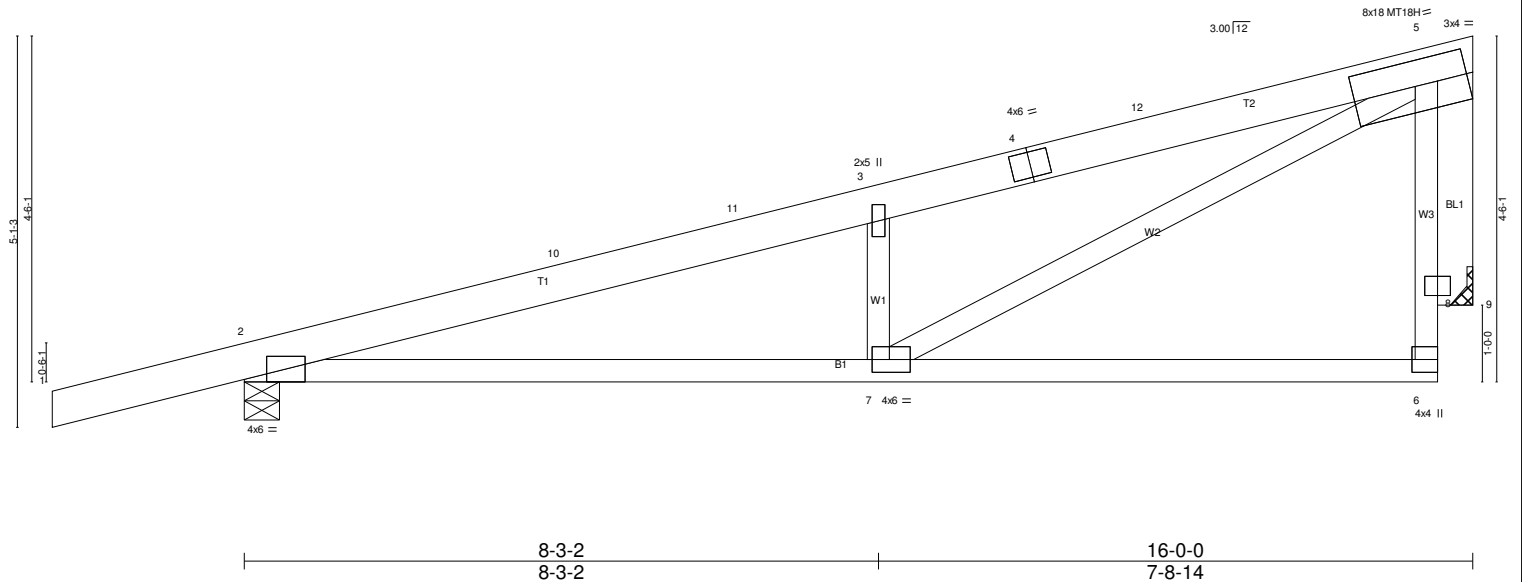


Plate Offsets (X,Y)-- [2:0-3-7,Edge], [5:0-8-4,0-4-0], [6:Edge,0-3-8], [7:0-2-12,0-2-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.57	in (loc) l/defl L/d	MT20	197/144
(Roof Snow=40.0)	Plate Grip DOL 1.15	BC 0.71	Vert(LL) -0.15 2-7 >999 360	MT18H	197/144
TCDL 7.0	Lumber DOL 1.15	WB 0.92	Vert(TL) -0.29 2-7 >645 240		
BCLL 0.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 9 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007			Weight: 74 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 7-10-5 oc bracing.
WEBS 2x4 SPF No.3	
OTHERS 2x6 SP No.2	

REACTIONS. (lb/size) 2=1169/0-5-8, 9=817/Mechanical
 Max Horz 2=231(LC 9)
 Max Uplift 2=-469(LC 9), 9=-284(LC 9)
 Max Grav 2=1264(LC 2), 9=1025(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-10=-2247/435, 10-11=-2148/443, 3-11=-2060/451, 3-4=-2253/547, 4-12=-2142/553, 5-12=-2141/560
 BOT CHORD 2-7=-555/2077, 6-7=-46/264
 WEBS 3-7=-871/374, 5-7=-583/2075

JOINT STRESS INDEX
 2 = 0.65, 3 = 0.33, 4 = 0.58, 5 = 0.98, 6 = 0.75, 7 = 0.85, 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) 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) 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 469 lb uplift at joint 2 and 284 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
CORE	T17	SCISSOR	13	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:00 2016 Page 1
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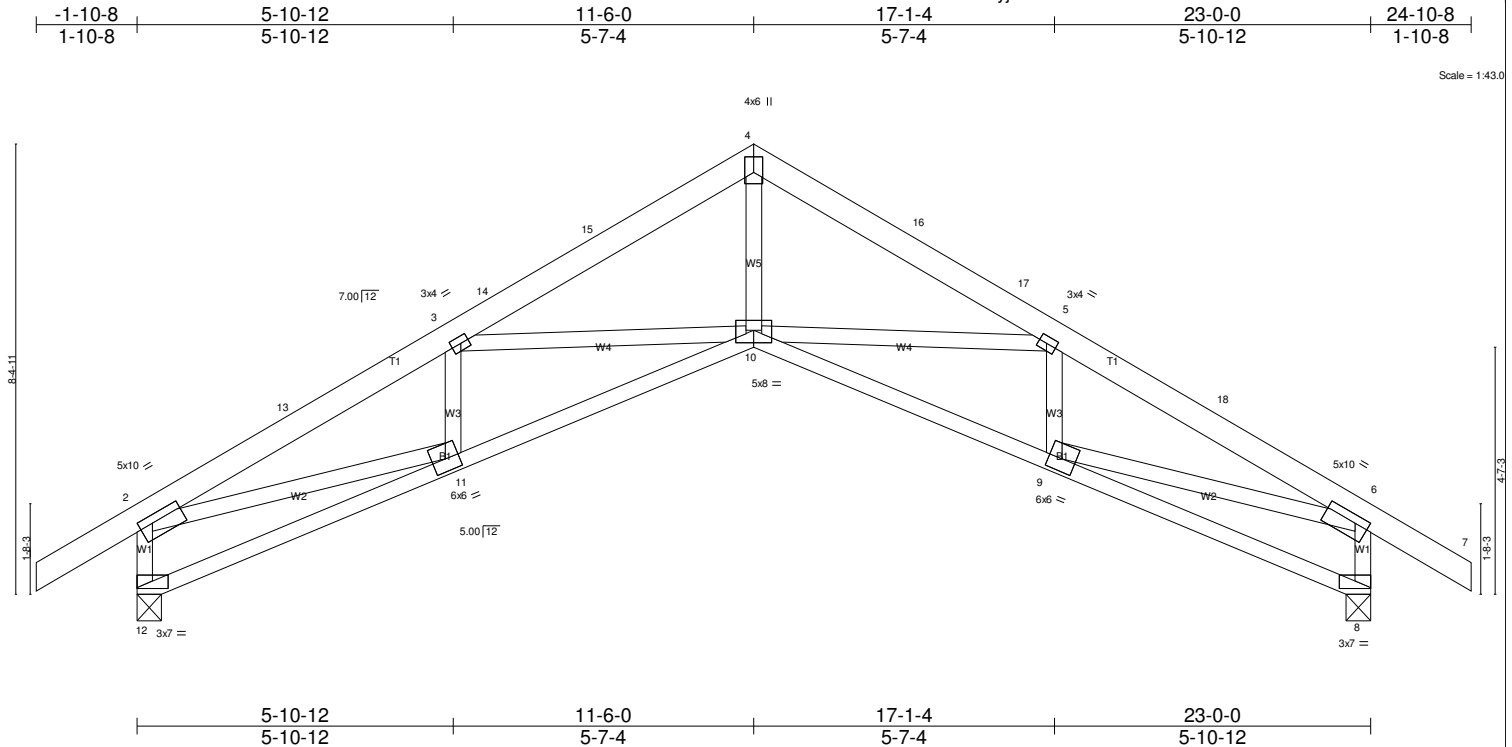


Plate Offsets (X,Y)--	[2:0-3-0,0-1-12], [3:0-1-12,0-1-8], [4:0-3-8,0-2-0], [5:0-1-12,0-1-8], [6:0-3-0,0-1-12], [8:0-0-0,0-0-4], [9:0-3-0,0-2-12], [10:0-4-0,0-2-12], [11:0-3-0,0-2-12], [12:0-0-0,0-0-4]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.56 BC 0.66 WB 0.93 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.19 10 >999 360 Vert(TL) -0.32 9-10 >846 240 Horz(TL) 0.32 8 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 121 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 4-2-13 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 12=1484/0-5-8, 8=1484/0-5-8
 Max Horz 12=299(LC 8)
 Max Uplift 12=562(LC 9), 8=562(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-13=-2765/695, 3-13=-2608/717, 3-14=-2692/535, 14-15=-2576/543, 4-15=-2560/556, 4-16=-2560/556, 16-17=-2576/543, 5-17=-2692/535,
 5-18=-2608/717, 6-18=-2765/695, 2-12=-1481/577, 6-8=-1481/577
 BOT CHORD 11-12=-283/359, 10-11=-412/2465, 9-10=-412/2465
 WEBS 3-11=-443/165, 3-10=-259/313, 4-10=-269/2003, 5-10=-270/313, 5-9=-443/165, 2-11=-396/2114, 6-9=-396/2114

JOINT STRESS INDEX
 2 = 0.80, 3 = 0.60, 4 = 0.81, 5 = 0.60, 6 = 0.80, 8 = 0.74, 9 = 0.65, 10 = 0.93, 11 = 0.65 and 12 = 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); 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) 12, 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 562 lb uplift at joint 12 and 562 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) 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
CORE	T17C	COMMON	2	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:00 2016 Page 1
 ID:LkYblHafESgfXFe5l4z6G3yjDeN-b030vGZ42zSXF04CkV38Wzfajbzh5cBHeOwlZznDP1

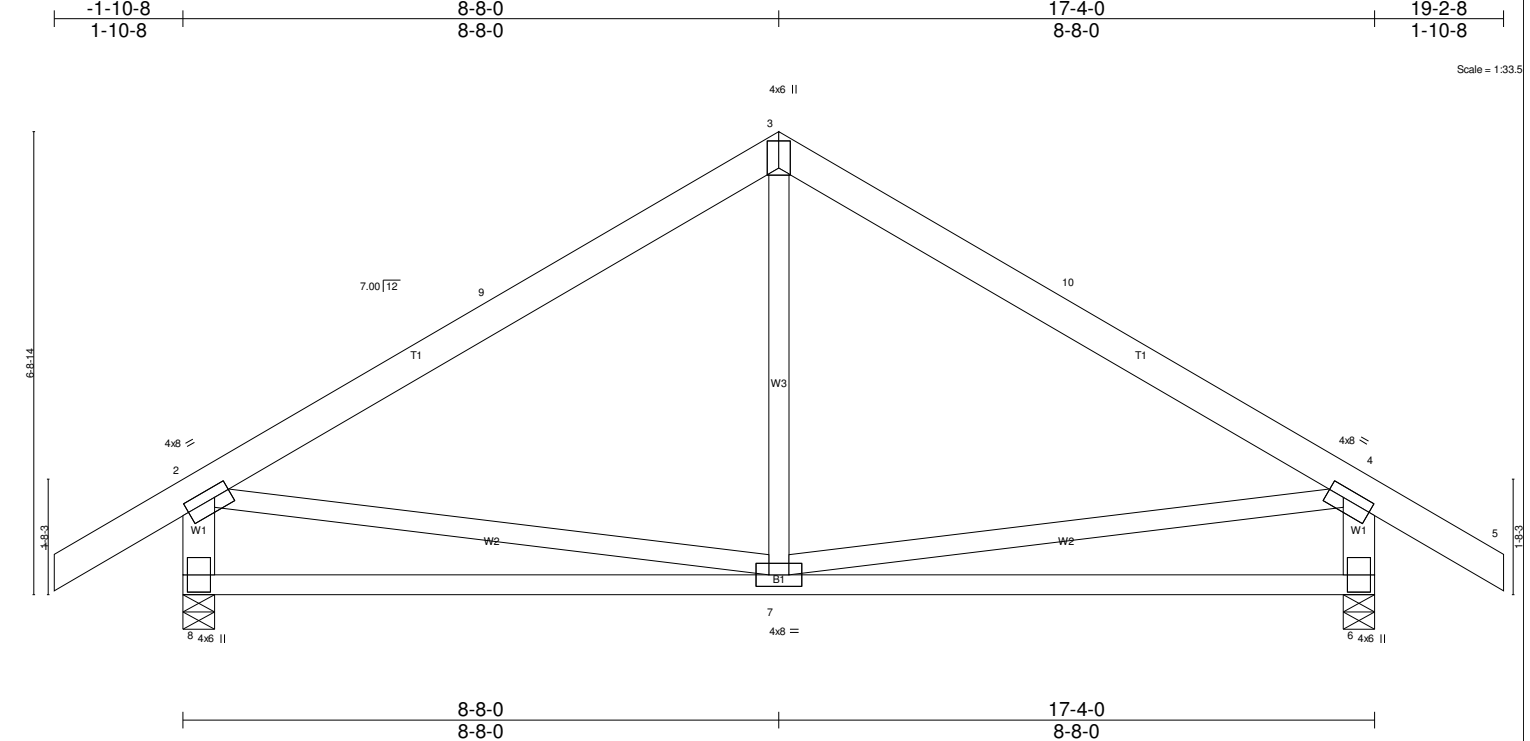


Plate Offsets (X,Y)-- [2:0-2-12,0-1-12], [3:0-4-12,0-2-0], [4:0-2-12,0-1-12]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.55 BC 0.45 WB 0.23 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.07 6-7 >999 360 Vert(TL) -0.17 6-7 >999 240 Horz(TL) 0.01 6 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 94 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W1: 2x6 SPF No.2	

REACTIONS. (lb/size) 8=1160/0-5-8, 6=1160/0-5-8
 Max Horz 8=-247(LC 7)
 Max Uplift 8=-459(LC 9), 6=-459(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-9=-1025/329, 3-9=-815/348, 3-10=-815/348, 4-10=-1025/329, 2-8=-1073/500, 4-6=-1073/500
 BOT CHORD 7-8=-224/415, 6-7=-77/415
 WEBS 3-7=0/292, 2-7=-124/510, 4-7=-138/510

JOINT STRESS INDEX
 2 = 0.91, 3 = 0.86, 4 = 0.91, 6 = 1.00, 7 = 0.46 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
 - 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 459 lb uplift at joint 8 and 459 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
CORE	T21F	COMMON	1	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:01 2016 Page 1
 ID:H6gL9zcvl3wNmYoUsV?aLUyJDeL-3DcO6caipGaOtAIPHCaN2ACoW_JKRWNkWI7Uq?znDP0

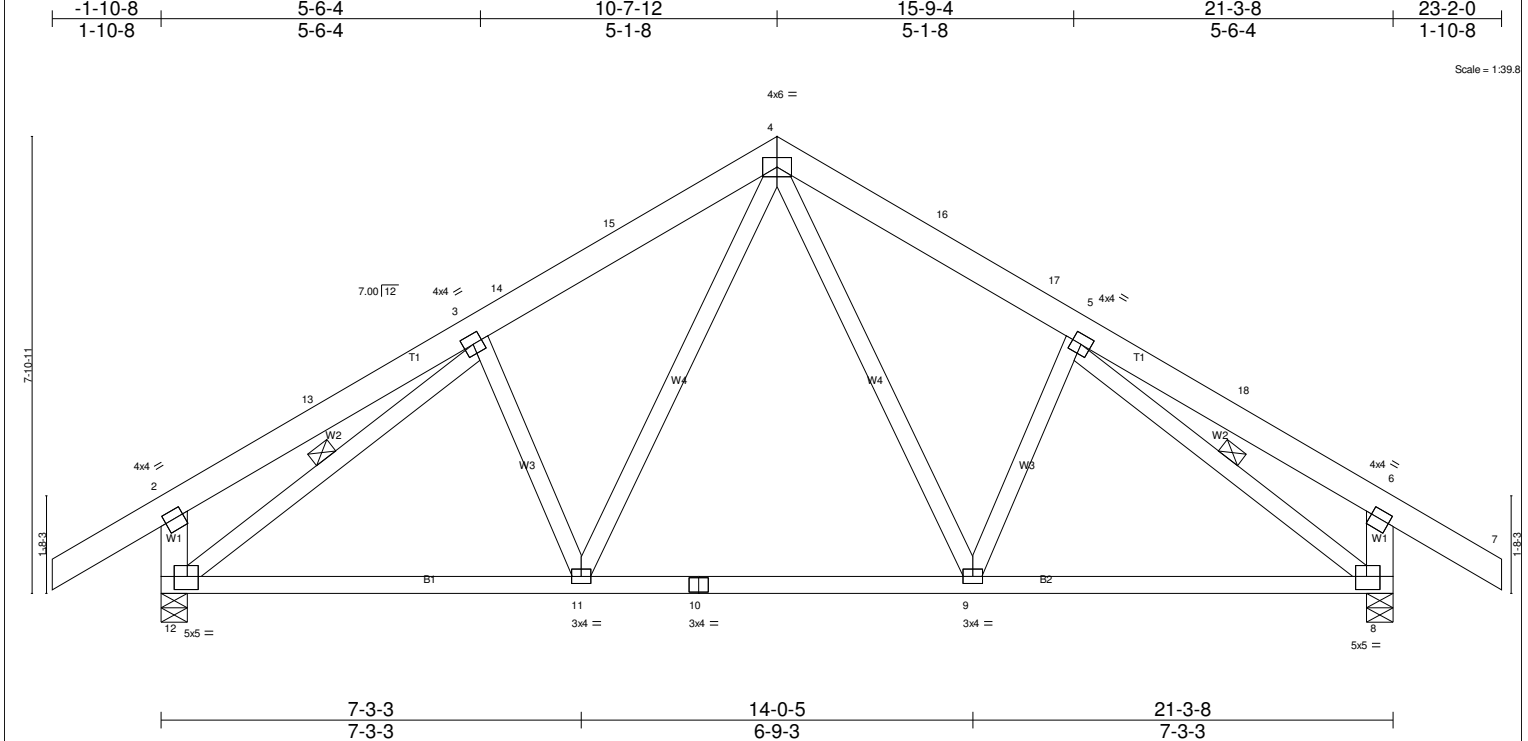


Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [6:0-2-0,0-1-12], [8:0-2-4,0-2-12], [12:0-2-4,0-2-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.35 BC 0.42 WB 0.36 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.05 9-11 >999 360 Vert(TL) -0.11 9-11 >999 240 Horz(TL) 0.04 8 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 124 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W1: 2x6 SPF No.2	WEBS 1 Row at midpt 3-12, 5-8

REACTIONS. (lb/size) 12=1385/0-5-8, 8=1385/0-5-8
 Max Horz 12=281(LC 7)
 Max Uplift 12=533(LC 9), 8=533(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-13=371/181, 3-14=1219/529, 14-15=1109/537, 4-15=1044/549, 4-16=1044/549, 16-17=1109/537, 5-17=1219/529, 6-18=371/181,
 2-12=580/373, 6-8=580/373
 BOT CHORD 11-12=160/1022, 10-11=14/828, 9-10=14/828, 8-9=160/1022
 WEBS 3-11=269/228, 4-11=154/417, 4-9=154/417, 5-9=269/228, 3-12=1130/300, 5-8=1130/300

JOINT STRESS INDEX
 2 = 0.90, 3 = 0.50, 4 = 0.78, 5 = 0.50, 6 = 0.90, 8 = 0.56, 9 = 0.55, 10 = 0.46, 11 = 0.55 and 12 = 0.56

- 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 533 lb uplift at joint 12 and 533 lb uplift at joint 8.
 - 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.

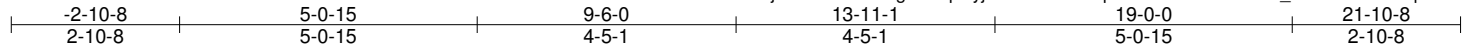
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T22A	QUEENPOST	8	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:01 2016 Page 1
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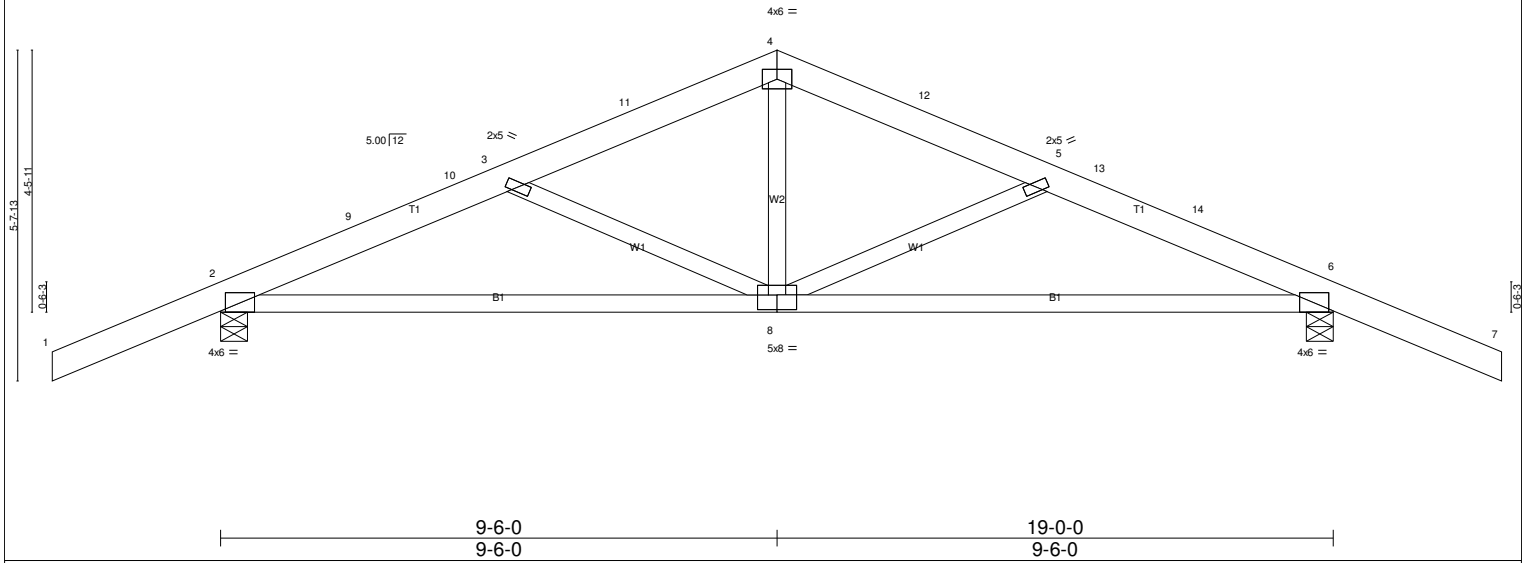


Plate Offsets (X,Y)-- [8:0-4-0-0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.76 BC 0.66 WB 0.26 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.11 6-8 >999 360 Vert(TL) -0.29 6-8 >762 240 Horz(TL) 0.05 6 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 86 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 5-3-8 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(lb/size) 2=1349/0-5-8, 6=1349/0-5-8
 Max Horz 2=-98(LC 7)
 Max Uplift 2=-559(LC 9), 6=-559(LC 9)
 Max Grav 2=1352(LC 2), 6=1352(LC 3)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-9=-1777/475, 9-10=-1666/481, 3-10=-1612/488, 3-11=-1329/390, 4-11=-1194/400, 4-12=-1194/400, 5-12=-1329/390, 5-13=-1612/488,
 13-14=-1666/481, 6-14=-1777/475
 BOT CHORD 2-8=-260/1511, 6-8=-260/1511
 WEBS 3-8=-492/186, 4-8=-20/466, 5-8=-492/186

JOINT STRESS INDEX

2 = 0.74, 3 = 0.31, 4 = 0.83, 5 = 0.31, 6 = 0.74 and 8 = 0.86

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 559 lb uplift at joint 2 and 559 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.

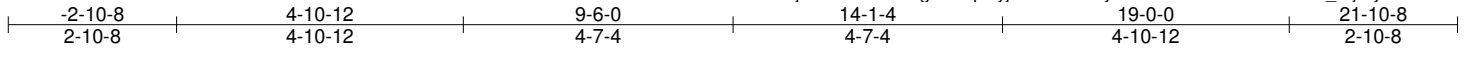
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T22B	KINGPOST	12	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:02 2016 Page 1
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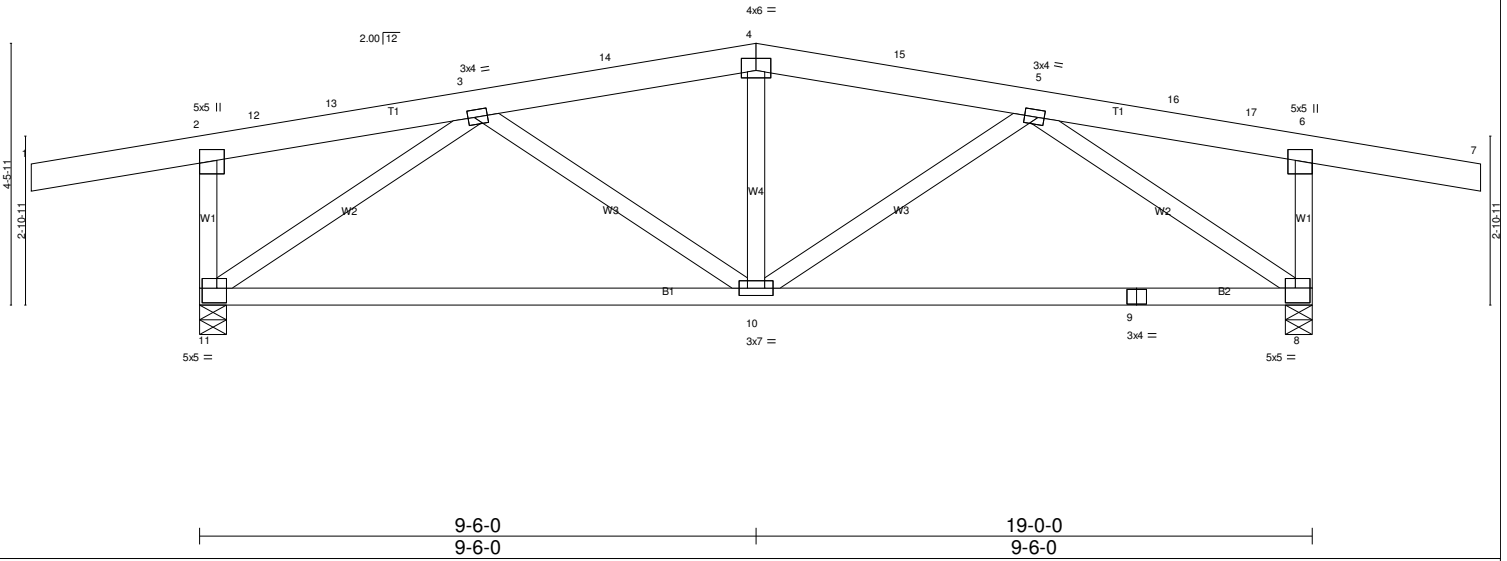


Plate Offsets (X,Y)-- [2:0-2-8,0-1-12], [3:0-1-4,0-1-8], [4:0-3-0,0-2-8], [5:0-1-4,0-1-8], [6:0-2-8,0-1-12], [8:0-2-0,0-3-0], [11:0-2-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.79 BC 0.65 WB 0.76 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.12 8-10 >999 360 Vert(TL) -0.31 8-10 >719 240 Horz(TL) 0.03 8 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0					Weight: 101 lb FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 9-7-1 oc bracing.

REACTIONS. (lb/size) 11=1350/0-5-8, 8=1350/0-5-8
 Max Horz 11=119(LC 7)
 Max Uplift 11=570(LC 5), 8=570(LC 6)
 Max Grav 11=1367(LC 2), 8=1367(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-14=1254/430, 4-14=1216/434, 4-15=1216/434, 5-15=1254/430, 2-11=718/375, 6-8=718/375
 BOT CHORD 10-11=369/970, 9-10=324/970, 8-9=324/970
 WEBS 5-10=48/401, 3-10=46/401, 3-11=1153/441, 5-8=1153/439

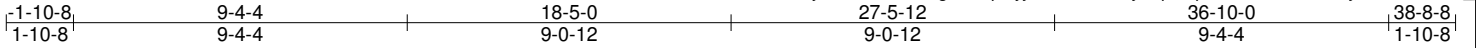
JOINT STRESS INDEX
 2 = 0.89, 3 = 0.55, 4 = 0.69, 5 = 0.55, 6 = 0.89, 8 = 0.93, 9 = 0.90, 10 = 0.78 and 11 = 0.93

- 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 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 570 lb uplift at joint 11 and 570 lb uplift at joint 8.
 - 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
CORE	T23	COMMON	3	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:03 2016 Page 1
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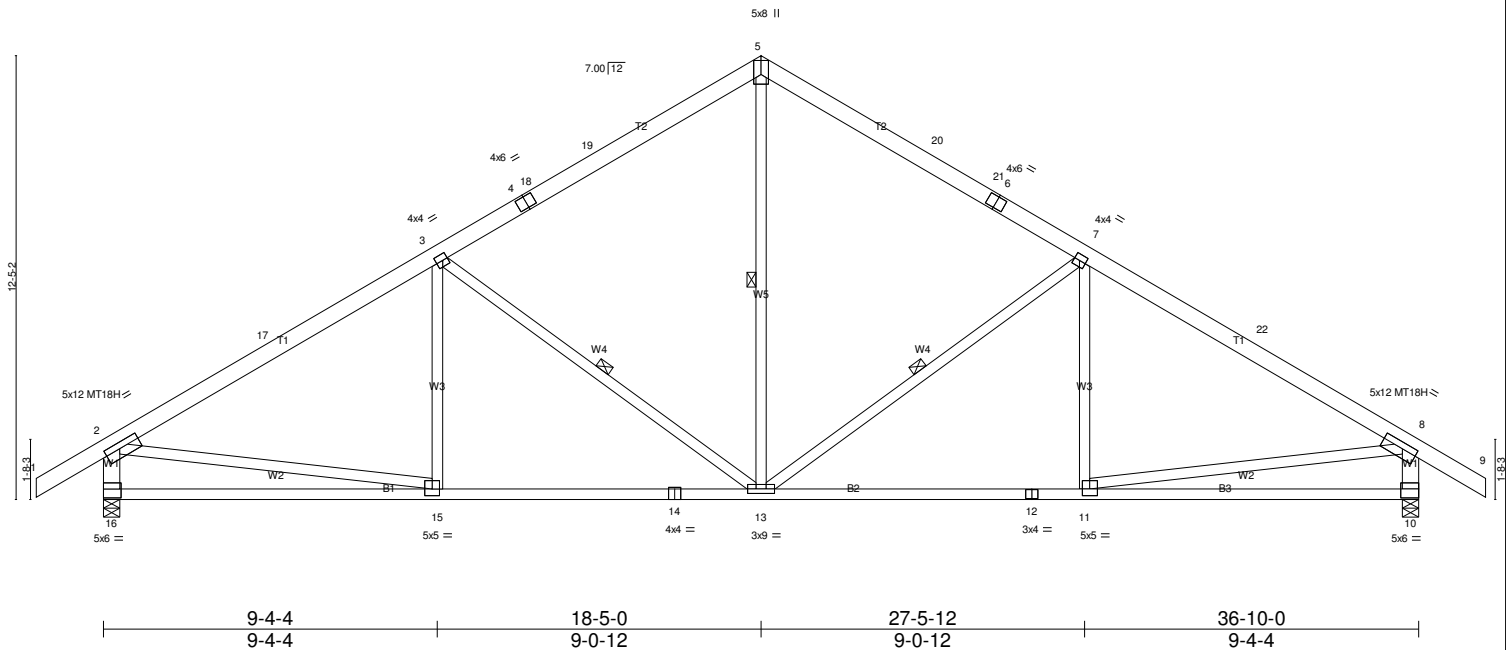


Plate Offsets (X,Y)-- [2:0-5-0,0-2-0], [3:0-1-12,0-2-0], [5:0-4-12,0-2-8], [7:0-1-12,0-2-0], [8:0-5-0,0-2-0], [10:Edge,0-3-0], [11:0-2-8,0-2-4], [15:0-2-8,0-2-4], [16:0-0-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.76 BC 0.76 WB 0.78 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.14 13-15 >999 360 Vert(TL) -0.35 13-15 >999 240 Horz(TL) 0.09 10 n/a n/a	MT20 MT18H	197/144 197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 204 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W1: 2x6 SPF No.2	WEBS 1 Row at midpt 5-13, 7-13, 3-13

REACTIONS. (lb/size) 16=2271/0-5-8, 10=2271/0-5-8
 Max Horz 16=414(LC 8)
 Max Uplift 16=822(LC 9), 10=822(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-17=-2745/888, 3-17=-2522/907, 3-4=-2086/823, 4-18=-1953/831, 18-19=-1877/838, 5-19=-1871/857, 5-20=-1871/857, 20-21=-1877/838,
 6-21=-1952/831, 6-7=-2086/823, 7-22=-2522/907, 8-22=-2745/888, 2-16=-2173/865, 8-10=-2173/865
 BOT CHORD 15-16=-326/520, 14-15=-476/2178, 13-14=-476/2178, 12-13=-476/2178, 11-12=-476/2178, 10-11=-109/483
 WEBS 5-13=-412/1016, 7-13=-859/419, 3-13=-859/419, 2-15=-372/1761, 8-11=-372/1761

JOINT STRESS INDEX
 2 = 0.87, 3 = 0.48, 4 = 0.84, 5 = 0.95, 6 = 0.84, 7 = 0.48, 8 = 0.87, 10 = 0.86, 11 = 0.63, 12 = 0.86, 13 = 0.58, 14 = 0.78, 15 = 0.63 and 16 = 0.86

- 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) 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 822 lb uplift at joint 16 and 822 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) 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
CORE	T23A	COMMON	1	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:03 2016 Page 1
 ID:JEjNIidXWN2EOiNgQCWpuiyJDeK-?bk9XlcyLq66TpnPddr8bH76ox4vMndzbcuauznDP

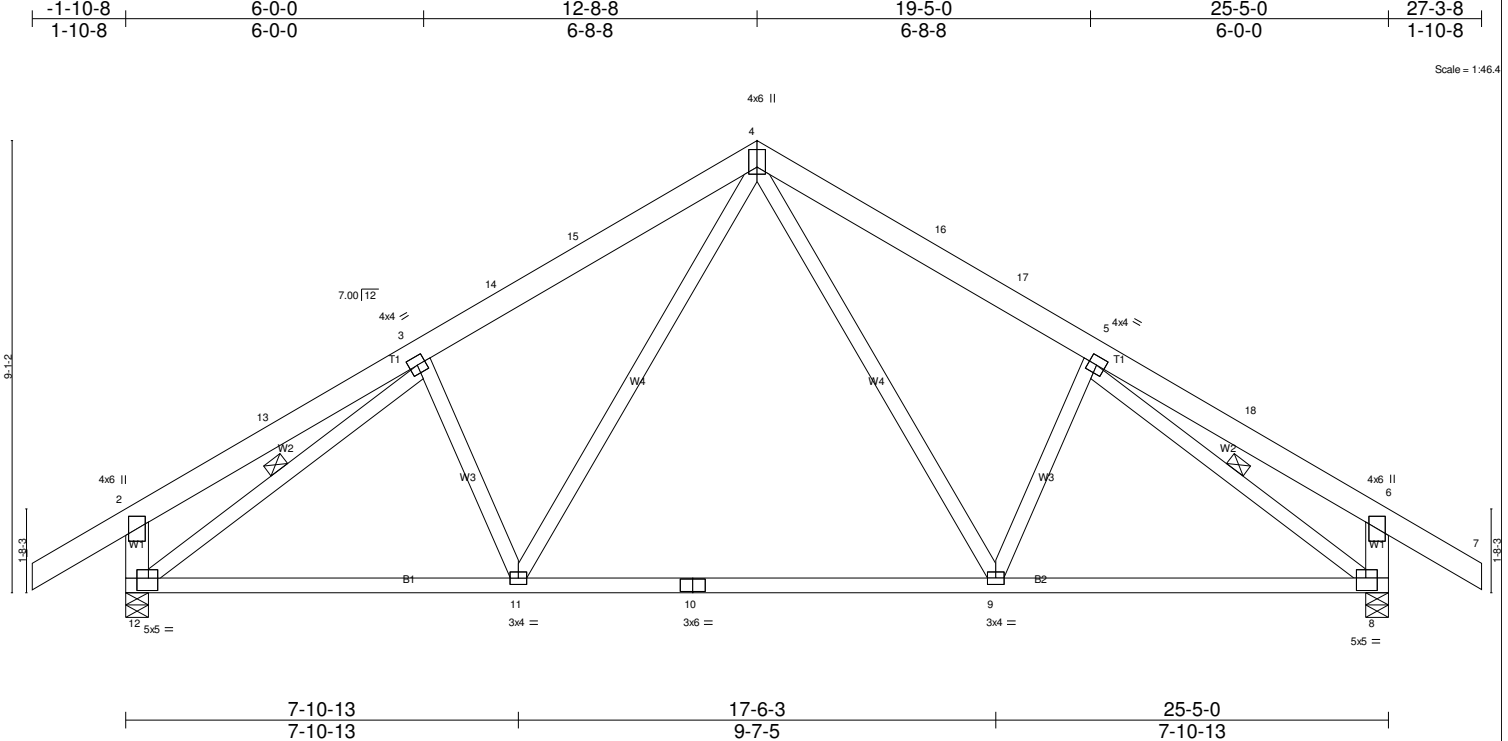


Plate Offsets (X,Y)-- [4:0-4-4,0-2-0], [8:0-2-4,0-3-0], [12:0-2-4,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.41 BC 0.60 WB 0.52 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.16 9-11 >999 360 Vert(TL) -0.43 9-11 >697 240 Horz(TL) 0.06 8 n/a n/a	MT20	197/144
Weight: 143 lb FT = 4%					

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 5-4-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 3-12, 5-8

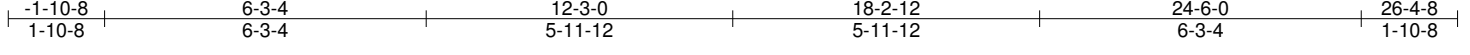
REACTIONS. (lb/size) 12=1620/0-5-8, 8=1620/0-5-8
 Max Horz 12=316(LC 8)
 Max Uplift 12=610(LC 9), 8=610(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-13=-399/201, 3-14=-1583/661, 14-15=-1439/666, 4-15=-1375/682, 4-16=-1375/682, 16-17=-1439/666, 5-17=-1583/660, 6-18=-399/201,
 2-12=-609/387, 6-8=-609/387
 BOT CHORD 11-12=-255/1326, 10-11=-56/1037, 9-10=-56/1037, 8-9=-255/1326
 WEBS 3-11=-331/278, 4-11=-187/547, 4-9=-187/547, 5-9=-331/278, 3-12=-1498/401, 5-8=-1498/401

JOINT STRESS INDEX
 2 = 0.94, 3 = 0.66, 4 = 0.81, 5 = 0.66, 6 = 0.94, 8 = 0.64, 9 = 0.55, 10 = 0.78, 11 = 0.55 and 12 = 0.64

- 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 610 lb uplift at joint 12 and 610 lb uplift at joint 8.
 - 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



Scale = 1:44.9

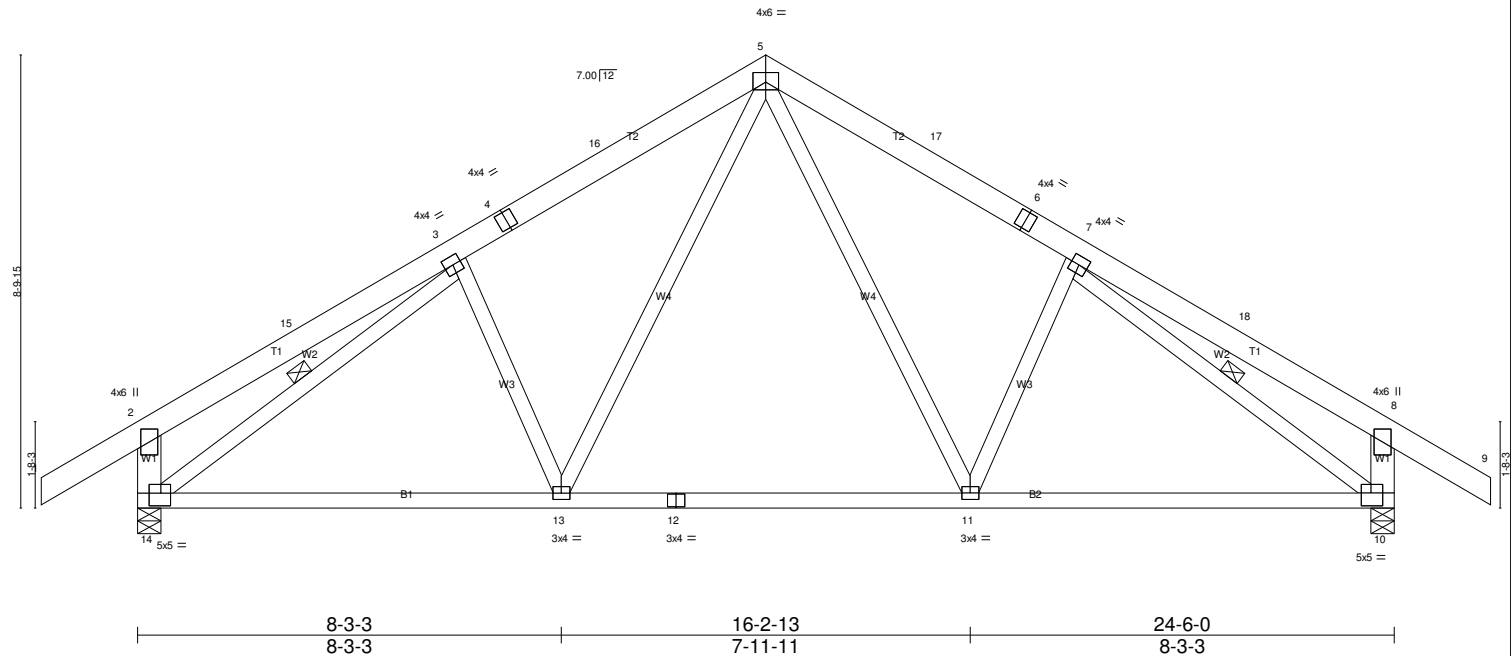


Plate Offsets (X,Y)-- [10:0-2-4,0-3-0], [14:0-2-4,0-3-0]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.35 BC 0.52 WB 0.49 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.07 11-13 >999 360 Vert(TL) -0.18 11-13 >999 240 Horz(TL) 0.05 10 n/a n/a	MT20	197/144
				Weight: 140 lb FT = 4%	

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 5-10-4 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt 3-14, 7-10
--	---

REACTIONS. (lb/size) 14=1568/0-5-8, 10=1568/0-5-8
 Max Horz 14=308(LC 8)
 Max Uplift 14=593(LC 9), 10=593(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-15=431/215, 3-15=272/238, 3-4=1475/626, 4-16=1344/636, 5-16=1278/650, 5-17=1278/650, 6-17=1344/636, 6-7=1475/626,
 7-18=272/238, 8-18=431/215, 2-14=650/406, 8-10=650/406
 BOT CHORD 13-14=228/1251, 12-13=39/987, 11-12=39/987, 10-11=228/1251
 WEBS 3-13=347/274, 5-13=189/523, 5-11=189/523, 7-11=347/274, 3-14=1336/357, 7-10=1336/357

JOINT STRESS INDEX
 2 = 0.97, 3 = 0.59, 4 = 0.36, 5 = 0.91, 6 = 0.36, 7 = 0.59, 8 = 0.97, 10 = 0.85, 11 = 0.55, 12 = 0.55, 13 = 0.55 and 14 = 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 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 593 lb uplift at joint 14 and 593 lb uplift at joint 10.
 - 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
CORE	T24A	COMMON	16	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:04 2016 Page 1
 ID:?LxUgOXOX9wttMUwoabOMZzhwva-ToIXkdca6ByzkdOzzK84gpqHCCKHewJmCFM8QKznDOz

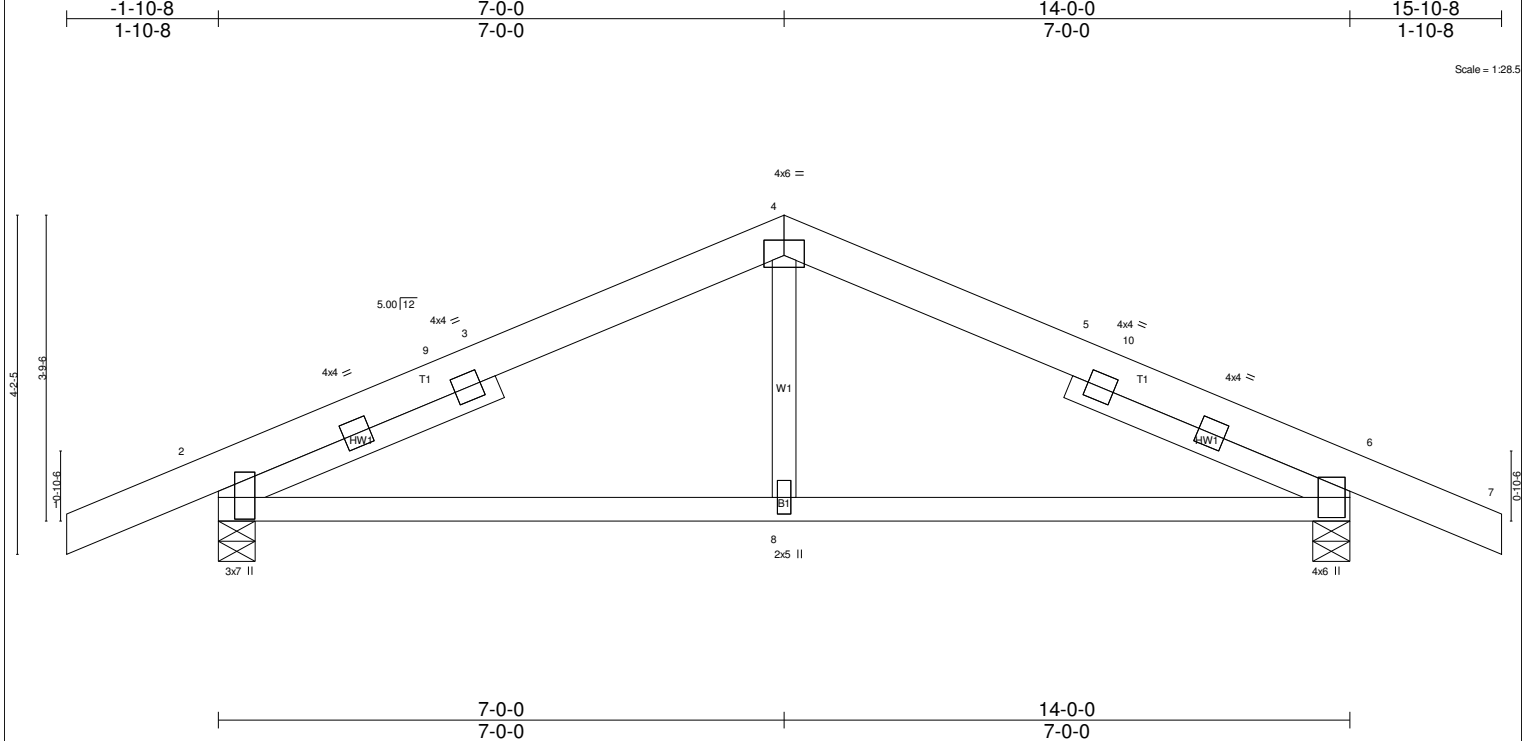


Plate Offsets (X,Y)-- [2:0-4-3-0-2-7], [4:0-3-0-0-2-4], [6:0-3-15-0-0-11]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.45	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.41	Vert(LL) -0.04 2-8 >999 360		
BCLL 0.0	Rep Stress Incr NO	WB 0.12	Vert(TL) -0.09 2-8 >999 240		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) 0.02 6 n/a n/a		
				Weight: 63 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF No.3
 SLIDER Left 2x4 SPF No.3 3-8-14, Right 2x4 SPF No.3 3-8-14

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) 2=974/0-5-8, 6=974/0-5-8
 Max Horz 2=-70(LC 7)
 Max Uplift 2=-390(LC 9), 6=-390(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-9=-1136/322, 3-9=-1004/323, 3-4=-967/336, 4-5=-967/336, 5-10=-1004/323, 6-10=-1136/322
 BOT CHORD 2-8=-166/892, 6-8=-166/892
 WEBS 4-8=0/285

JOINT STRESS INDEX
 2 = 0.91, 2 = 0.32, 2 = 0.32, 3 = 0.00, 4 = 0.89, 5 = 0.00, 6 = 0.90, 6 = 0.32, 6 = 0.32 and 8 = 0.18

- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 390 lb uplift at joint 2 and 390 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
CORE	T25	FINK	1	1	

Job Reference (optional)

Universal Forest Products

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ID:9uws?KfQpIRpFA5F5L4WWKykjDeH-y_svyzdCtV4qMnzAW2fJD0MUQcdtNKRwRv5hymznDOy

0-10-8	5-9-14	11-0-0	16-2-2	22-0-0	22-10-8
0-10-8	5-9-14	5-2-2	5-2-2	5-9-14	0-10-8

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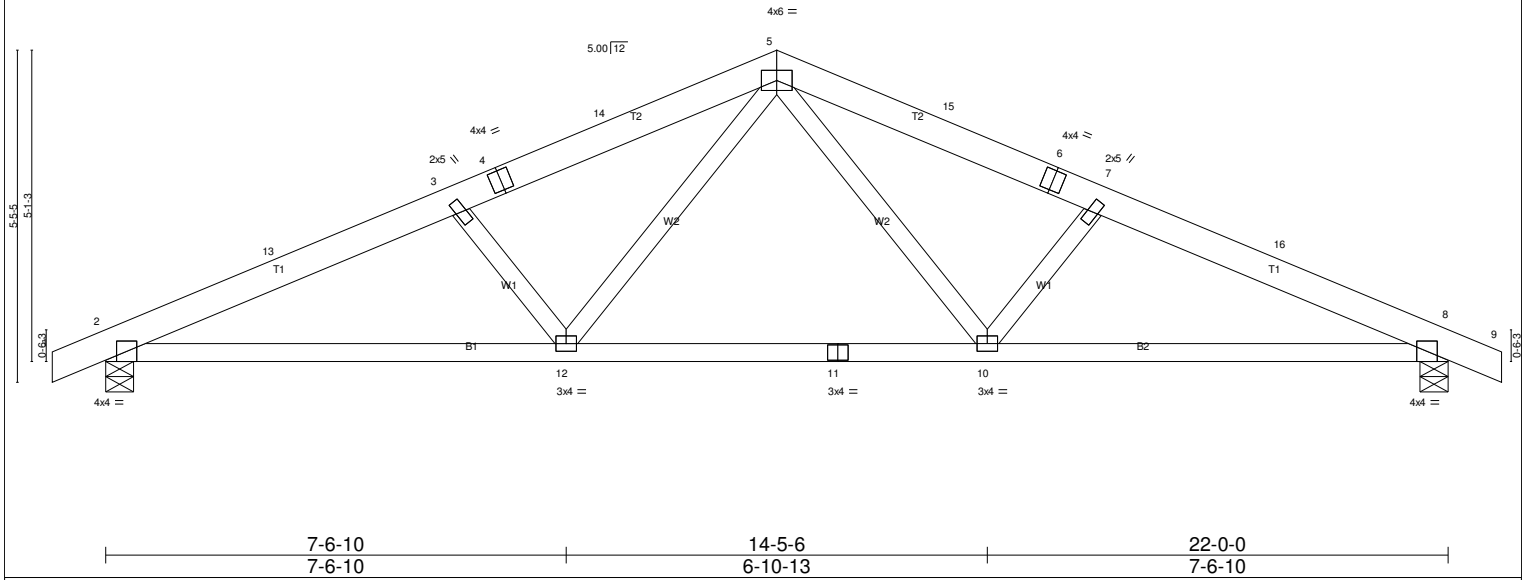


Plate Offsets (X,Y)-- [2:0-2-2,Edge], [8:0-2-2,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.36 BC 0.64 WB 0.32 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.10 10-12 >999 360 Vert(TL) -0.19 8-10 >999 240 Horz(TL) 0.07 8 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0	Rep Stress Incr YES Code IBC2009/TPI2007			Weight: 91 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 4-5-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-1 oc bracing.

REACTIONS. (lb/size) 2=1332/0-5-8, 8=1332/0-5-8
Max Horz 2=-94(LC 7)
Max Uplift 2=-477(LC 9), 8=-477(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-2323/755, 3-13=-2238/764, 3-4=-2034/704, 4-14=-1941/711, 5-14=-1937/720, 5-15=-1937/720, 6-15=-1941/711, 6-7=-2034/704,
7-16=-2238/764, 8-16=-2323/755
BOT CHORD 2-12=-600/2047, 11-12=-334/1434, 10-11=-334/1434, 8-10=-600/2047
WEBS 3-12=-539/266, 5-12=-178/715, 5-10=-178/715, 7-10=-539/266

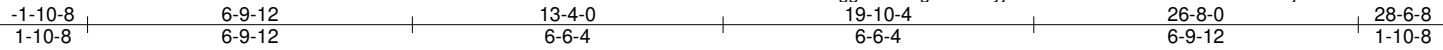
JOINT STRESS INDEX
2 = 0.84, 3 = 0.31, 4 = 0.55, 5 = 0.83, 6 = 0.55, 7 = 0.31, 8 = 0.84, 10 = 0.68, 11 = 0.69 and 12 = 0.68

- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 477 lb uplift at joint 2 and 477 lb uplift at joint 8.
 - 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
CORE	T26B	COMMON	3	1	

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:06 2016 Page 1
 ID:d4UEDgg2acZfsJgRf2bl2XyjDeG-QAQH9JereoChzxYM4IAYIEvej?zI6iQ3fZrEUCznDOx



Scale: 1/4"=1'

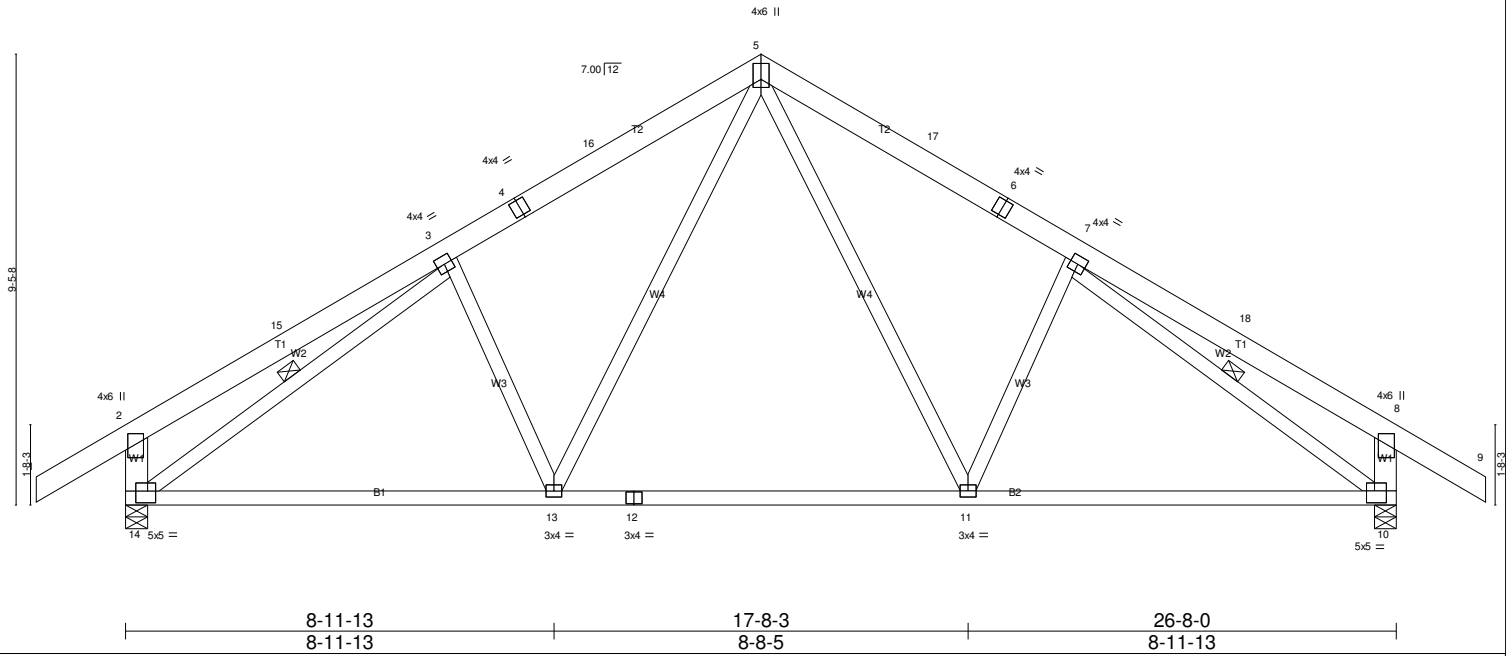


Plate Offsets (X,Y)-- [2:0-4-2,0-0-8], [5:0-4-0,0-2-0], [8:0-4-2,0-0-8], [10:0-2-0,0-3-0], [14:0-2-0,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.39 BC 0.60 WB 0.59 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.09 11-13 >999 360 Vert(TL) -0.24 11-13 >999 240 Horz(TL) 0.06 10 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 151 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 5-4-6 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W1: 2x6 SPF No.2	WEBS 1 Row at midpt 3-14, 7-10

REACTIONS. (lb/size) 14=1692/0-5-8, 10=1692/0-5-8
 Max Horz 14=327(LC 8)
 Max Uplift 14=633(LC 9), 10=633(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-15=-506/243, 3-15=-335/267, 3-4=-1647/692, 4-16=-1502/703, 5-16=-1422/718, 5-17=-1422/718, 6-17=-1502/703, 6-7=-1647/692,
 7-18=-335/267, 8-18=-506/243, 2-14=-705/431, 8-10=-705/431
 BOT CHORD 13-14=-274/1408, 12-13=-59/1095, 11-12=-59/1095, 10-11=-274/1408
 WEBS 3-13=-393/306, 5-13=-213/586, 5-11=-213/586, 7-11=-393/306, 3-14=-1446/391, 7-10=-1446/391

JOINT STRESS INDEX
 2 = 1.00, 3 = 0.64, 4 = 0.73, 5 = 0.81, 6 = 0.73, 7 = 0.64, 8 = 1.00, 10 = 0.89, 11 = 0.58, 12 = 0.43, 13 = 0.58 and 14 = 0.89

- 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 633 lb uplift at joint 14 and 633 lb uplift at joint 10.
 - 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
CORE	T28	Flat	1	1	Job Reference (optional)

Universal Forest Products ID: NHIEkEanFpWFtScxLnThzww1kcs-QAQH9JereoChzxYM4IAYIEvYW?yy6eC3fZrEUCznDOx 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:06 2016 Page 1

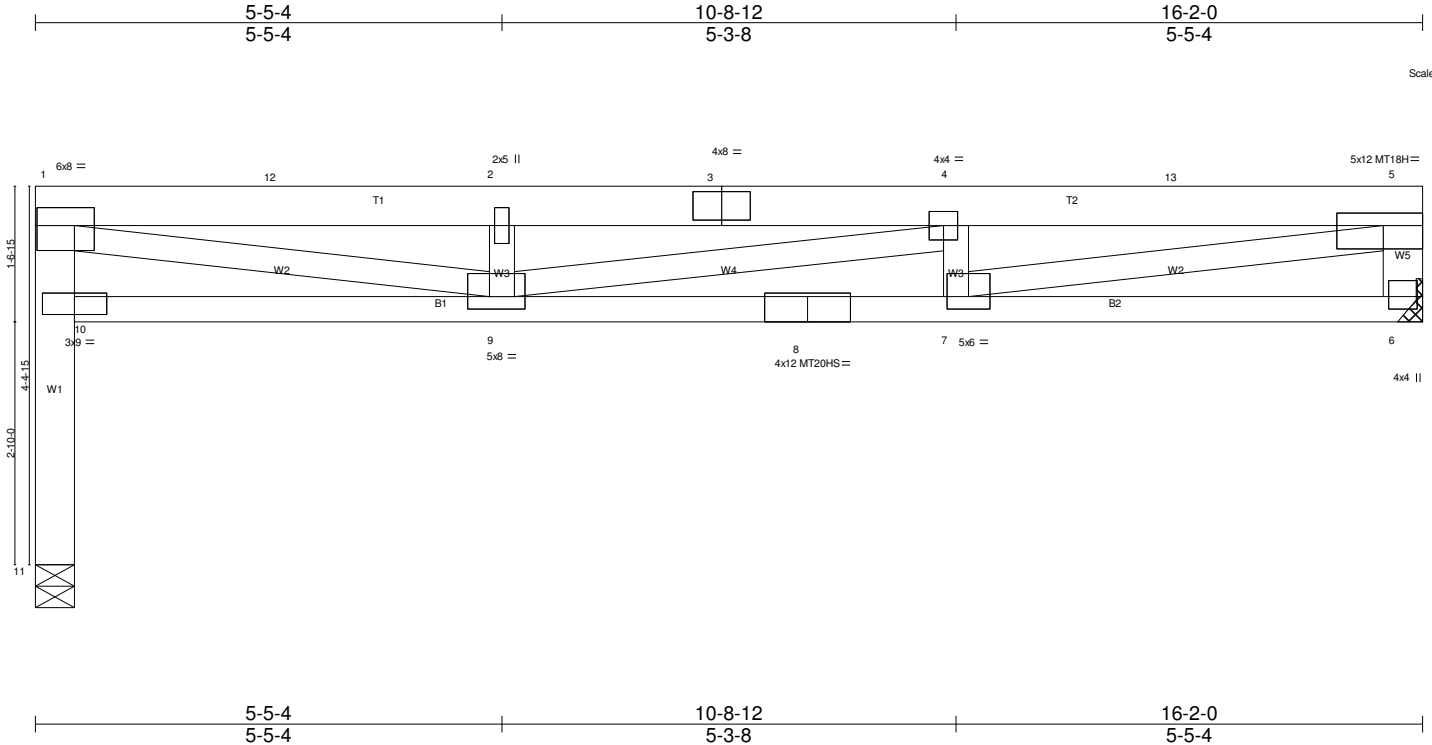


Plate Offsets (X,Y)-- [1:0-2-12,0-2-8], [5:Edge,0-1-12], [6:0-1-12,0-2-0], [7:0-3-0,0-1-12], [9:0-1-8,0-1-12], [10:0-4-8,0-1-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.78 BC 0.65 WB 0.86 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.33 7-9 >574 360 Vert(TL) -0.46 7-9 >414 240 Horz(TL) 0.16 6 n/a n/a	MT20 MT20HS MT18H	197/144 148/108 197/144
TCDL 7.0	Rep Stress Incr NO			Weight: 74 lb	FT = 4%
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0					

LUMBER-
TOP CHORD 2x6 SPF No.2
BOT CHORD 2x4 SPF 2100F 1.8E
WEBS 2x4 SPF No.3 *Except*
W1,W5: 2x6 SPF No.2, W2: 2x4 SPF No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-6-11 oc bracing.

REACTIONS. (lb/size) 6=1545/Mechanical, 11=1220/0-5-8
Max Uplift6=-293(LC 5), 11=-293(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-1220/293, 1-10=-1127/308, 1-12=-3845/849, 2-12=-3845/849, 2-3=-3845/849, 3-4=-3845/849, 4-13=-4157/845, 5-13=-4157/845,
5-6=-1440/308
BOT CHORD 9-10=-132/543, 8-9=-845/4157, 7-8=-845/4157, 6-7=-133/749
WEBS 1-9=-736/3389, 2-9=-621/230, 4-9=-336/351, 4-7=-741/228, 5-7=-731/3497

JOINT STRESS INDEX
1 = 0.95, 2 = 0.31, 3 = 0.91, 4 = 0.41, 5 = 0.85, 6 = 0.94, 7 = 0.99, 8 = 0.71, 9 = 0.93 and 10 = 0.95

- 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 ; 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) 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) 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 293 lb uplift at joint 6 and 293 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 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: 6-10=-20
Trapezoidal Loads (plf)
Vert: 1=-94-to-5=-218

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T28A	Flat	1	1	Job Reference (optional)

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:07 2016 Page 1
 ID:NHIEkEanFpWfTScxLnThzWz1kcs-uM_gNffTP6KYb57YeThnIRSjGPiBr5RDuDao0fznDOW

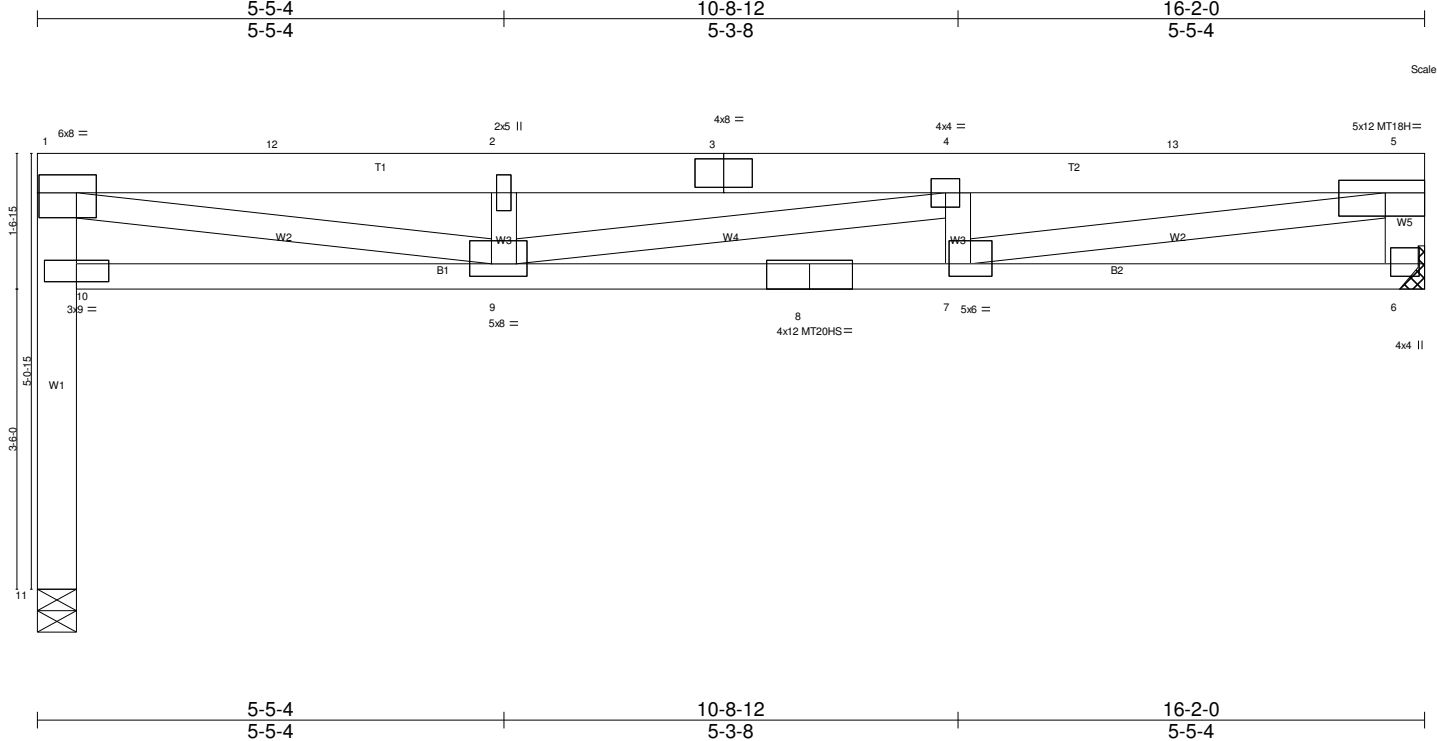


Plate Offsets (X,Y)-- [1:0-2-12,0-2-8], [5:Edge,0-1-12], [6:0-1-12,0-2-0], [7:0-3-0,0-1-12], [9:0-1-8,0-1-12], [10:0-4-8,0-1-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.78 BC 0.65 WB 0.86 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.33 7-9 >573 360 Vert(TL) -0.46 7-9 >413 240 Horz(TL) 0.19 6 n/a n/a	MT20 MT20HS MT18H Weight: 75 lb	197/144 148/108 197/144 FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x4 SPF 2100F 1.8E
 WEBS 2x4 SPF No.3 *Except*
 W1,W5: 2x6 SPF No.2, W2: 2x4 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-11-2 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-6-11 oc bracing.

REACTIONS. (lb/size) 6=1545/Mechanical, 11=1220/0-5-8
 Max Uplift6=-293(LC 5), 11=-293(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 10-11=-1220/293, 1-10=-1127/308, 1-12=-3845/849, 2-12=-3845/849, 2-3=-3845/849, 3-4=-3845/849, 4-13=-4157/845, 5-13=-4157/845,
 5-6=-1440/308
 BOT CHORD 9-10=-132/543, 8-9=-845/4157, 7-8=-845/4157, 6-7=-133/749
 WEBS 1-9=-736/3389, 2-9=-621/230, 4-9=-336/351, 4-7=-741/228, 5-7=-731/3497

JOINT STRESS INDEX
 1 = 0.95, 2 = 0.31, 3 = 0.91, 4 = 0.41, 5 = 0.85, 6 = 0.94, 7 = 0.99, 8 = 0.71, 9 = 0.93 and 10 = 0.95

- 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 ; 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) 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) 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 293 lb uplift at joint 6 and 293 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 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: 6-10=-20
 Trapezoidal Loads (plf)
 Vert: 1=-94-to-5=-218

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T28B	Half Hip	1	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:07 2016 Page 1
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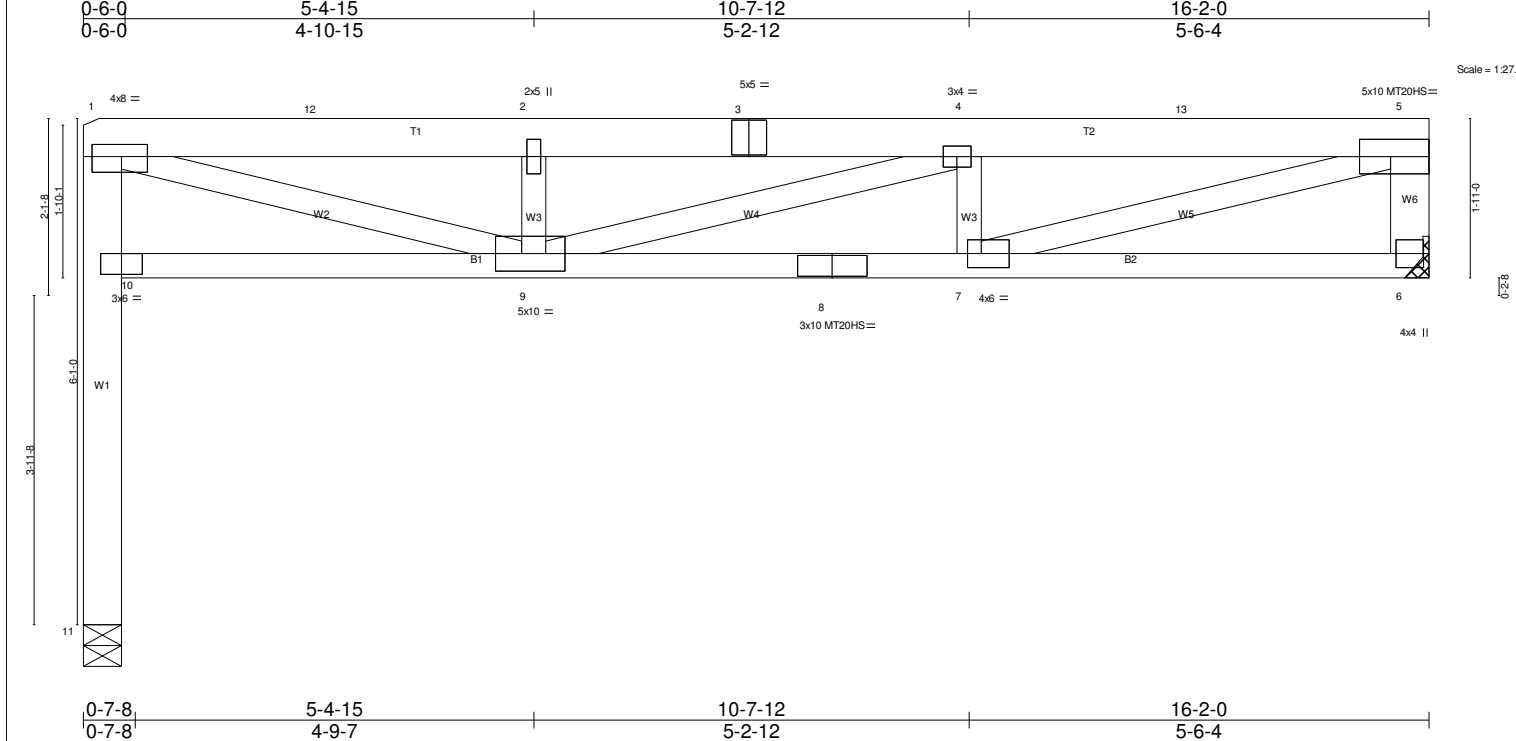


Plate Offsets (X,Y)-- [1:0-3-12,0-1-12], [5:Edge,0-2-8], [7:0-2-0,0-2-0], [9:0-3-12,0-2-8], [10:0-3-0,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.64 BC 0.51 WB 0.74 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.22 7-9 >864 360 Vert(TL) -0.30 7-9 >619 240 Horz(TL) 0.14 6 n/a n/a	MT20 MT20HS	197/144 148/108
				Weight: 79 lb	FT = 4%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-7-10 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 9-6-4 oc bracing.

REACTIONS. (lb/size) 6=1545/Mechanical, 11=1220/0-5-8
 Max Uplift6=-293(LC 5), 11=-293(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-12=-3066/680, 2-12=-3066/680, 2-3=-3066/680, 3-4=-3066/680, 4-13=-3373/685, 5-13=-3373/685, 5-6=-1454/311, 10-11=-1220/293,
 1-10=-1140/311
 BOT CHORD 9-10=-81/330, 8-9=-685/3373, 7-8=-685/3373, 6-7=-84/491
 WEBS 1-9=-624/2854, 2-9=-642/236, 4-9=-320/293, 4-7=-776/236, 5-7=-626/3002

JOINT STRESS INDEX
 1 = 0.99, 2 = 0.31, 3 = 0.94, 4 = 0.54, 5 = 0.91, 6 = 0.79, 7 = 0.95, 8 = 0.94, 9 = 0.90 and 10 = 0.97

- 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 ; 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) 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) 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 293 lb uplift at joint 6 and 293 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 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: 6-10=-20
 Trapezoidal Loads (plf)
 Vert: 1=-94-to-5=-218

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T28C	Half Hip	1	1	

Universal Forest Products
 Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:08 2016 Page 1
 ID:NHIEkEanFpWFtScxLnThzww1kcs-MZY2a?g5AQSPDFilCAC0rf_x0peRaZHM7iKLZ5znDOv

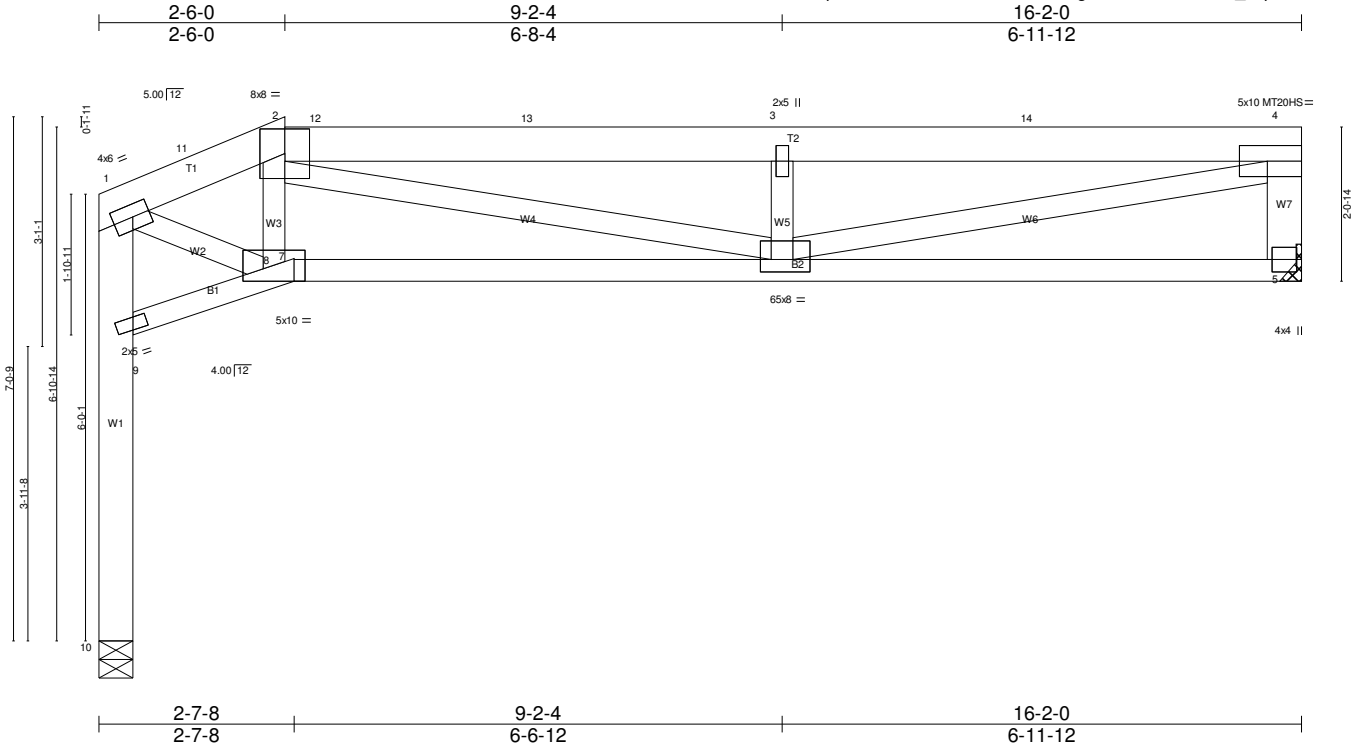


Plate Offsets (X,Y)-- [1:0-2-12,0-2-0], [4:Edge,0-2-8], [6:0-1-12,0-2-0], [7:0-6-12,Edge], [9:0-2-4,0-1-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.59 BC 0.58 WB 0.82 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.19 6-7 >976 360 Vert(TL) -0.30 6-7 >636 240 Horz(TL) 0.18 5 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 81 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x4 SPF 2100F 1.8E *Except*
 B2: 2x4 SPF No.2
 WEBS 2x4 SPF No.3 *Except*
 W7,W1: 2x6 SPF No.2, W6: 2x4 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-5-4 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 5=895/Mechanical, 10=895/0-5-8
 Max Horz 10=46(LC 9)
 Max Uplift 5=311(LC 9), 10=-274(LC 9)
 Max Grav 5=1315(LC 13), 10=1098(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-11=-1669/520, 2-11=-1642/523, 2-12=-3159/782, 12-13=-3159/782, 3-13=-3159/782, 3-14=-3159/782, 4-14=-3159/782, 4-5=-1226/338,
 9-10=-1098/274, 1-9=-1161/356
 BOT CHORD 7-8=-524/1585, 6-7=-539/1678, 5-6=-102/477
 WEBS 2-8=-583/167, 2-6=-300/1529, 3-6=-942/311, 4-6=-702/2766, 1-8=-410/1858

JOINT STRESS INDEX
 1 = 0.84, 2 = 0.78, 3 = 0.33, 4 = 0.89, 5 = 0.83, 6 = 0.94, 7 = 0.80, 8 = 0.00 and 9 = 0.55

- 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 ; 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) 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 311 lb uplift at joint 5 and 274 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
CORE	T28D	Half Hip	1	1	

Job Reference (optional)

Universal Forest Products

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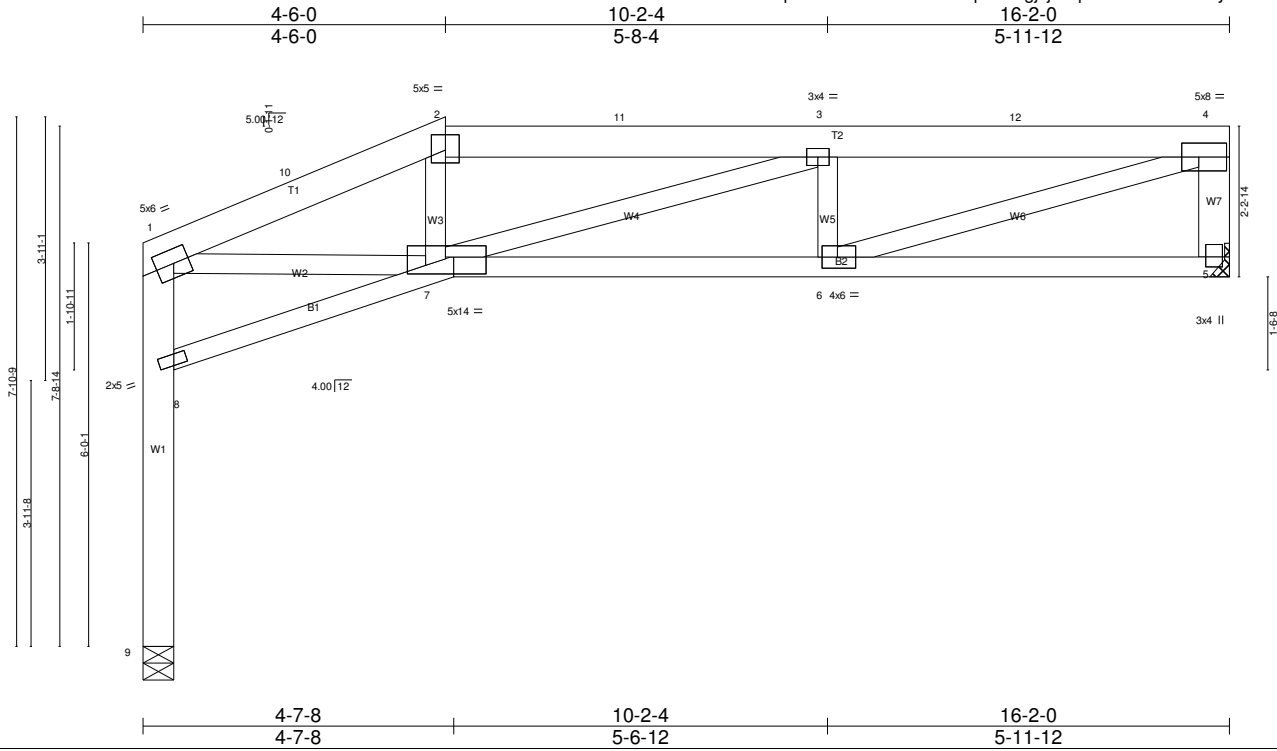


Plate Offsets (X,Y)-- [1:0-2-12,0-2-8], [2:0-2-8,0-2-12], [4:0-3-0,0-2-8], [5:0-1-12,0-1-8], [6:0-2-12,0-2-0], [7:0-5-12,0-3-0], [8:0-2-4,0-1-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.41 BC 0.72 WB 0.79 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.14 6-7 >999 360 Vert(TL) -0.22 6-7 >866 240 Horz(TL) -0.25 5 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 82 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-3-9 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-11-8 oc bracing.
WEBS 2x4 SPF No.3 *Except* W7,W1: 2x6 SPF No.2, W6: 2x4 SPF No.2	

REACTIONS. (lb/size) 5=895/Mechanical, 9=895/0-5-8
 Max Horz 9=92(LC 9)
 Max Uplift 5=332(LC 9), 9=253(LC 9)
 Max Grav 5=1269(LC 13), 9=921(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-10=-1984/722, 2-10=-1930/734, 2-11=-1814/717, 3-11=-1819/716, 3-12=-2547/718, 4-12=-2547/718, 4-5=-1190/353, 8-9=-921/253,
 1-8=-894/400
 BOT CHORD 7-8=-390/188, 6-7=-718/2548, 5-6=-71/312
 WEBS 3-7=-773/111, 3-6=-600/270, 4-6=-680/2350, 1-7=-357/1785

JOINT STRESS INDEX
 1 = 0.85, 2 = 0.93, 3 = 0.54, 4 = 0.99, 5 = 0.89, 6 = 0.94, 7 = 0.69 and 8 = 0.68

- 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 ; 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) 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 332 lb uplift at joint 5 and 253 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
CORE	T28E	Half Hip	1	1	

Universal Forest Products
 Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:09 2016 Page 1
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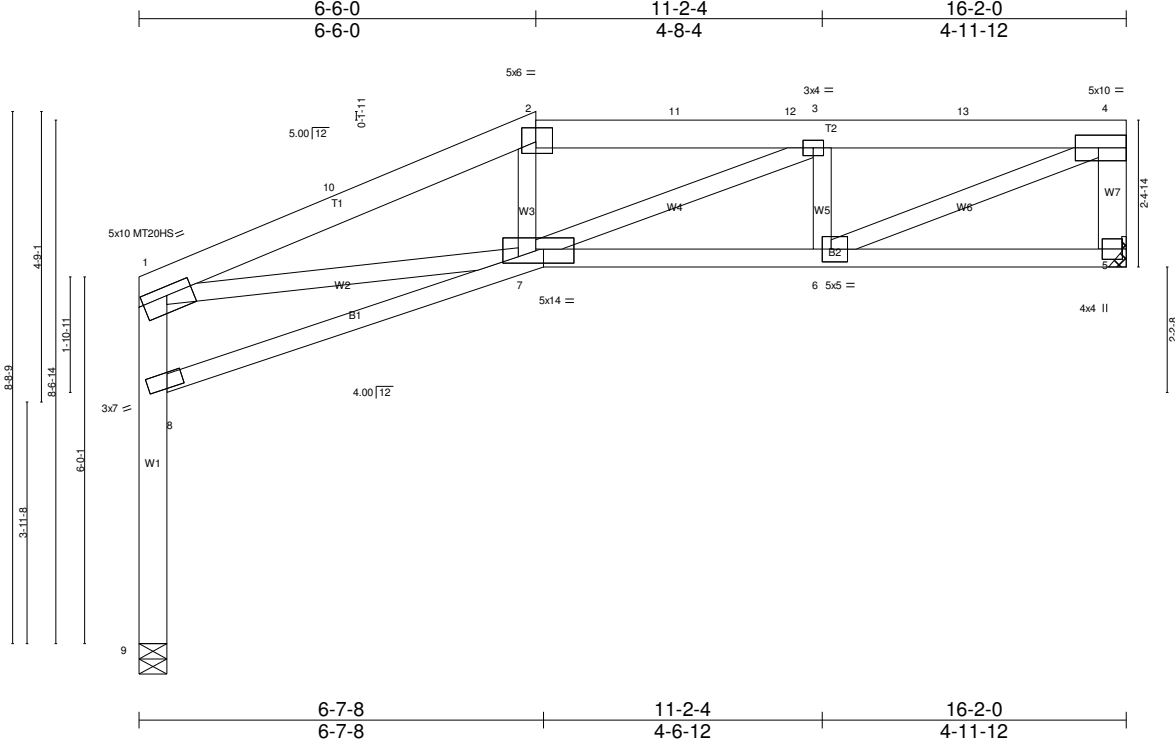


Plate Offsets (X,Y)-- [1:0-5-0-0-1-12], [2:0-3-4-0-2-12], [4:Edge,0-2-8], [6:0-1-12,0-2-8], [7:0-6-0-0-2-12], [8:0-3-13,0-0-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.88 Lumber DOL 1.15	in (loc) l/defl L/d Vert(LL) -0.16 6-7 >999 360	MT20	197/144
TCDL 7.0	Rep Stress Incr NO	WB 0.69	Vert(TL) -0.21 6-7 >885 240	MT20HS	148/108
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) -0.34 5 n/a n/a		
BCDL 10.0				Weight: 83 lb	FT = 4%

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, W6,W2: 2x4 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-10-10 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-5-6 oc bracing.

REACTIONS. (lb/size) 5=1545/Mechanical, 9=1220/0-5-8
 Max Horz 9=139(LC 9)
 Max Uplift 5=-355(LC 9), 9=-230(LC 9)
 Max Grav 5=1843(LC 13), 9=1341(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-10=-2882/833, 2-10=-2815/843, 2-11=-2580/832, 11-12=-2586/832, 3-12=-2587/832, 3-13=-2886/631, 4-13=-2886/631, 4-5=-1767/372,
 8-9=-1341/230, 1-8=-1407/459
 BOT CHORD 7-8=-616/469, 6-7=-632/2887, 5-6=-49/308
 WEBS 2-7=-64/407, 3-7=-333/374, 3-6=-995/294, 4-6=-634/2804, 1-7=-262/2402

JOINT STRESS INDEX
 1 = 0.96, 2 = 0.93, 3 = 0.54, 4 = 0.99, 5 = 0.83, 6 = 0.90, 7 = 0.88 and 8 = 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 ; 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) 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.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 355 lb uplift at joint 5 and 230 lb uplift at joint 9.
 - 11) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TP 1.
 - 12) 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.
 - 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: 7-8=-20, 5-7=-20
 Trapezoidal Loads (plf)
 Vert: 1=-94-to-2=-144, 2=-144-to-4=-218
- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 7-8=-20, 5-7=-20
 Trapezoidal Loads (plf)
 Vert: 1=-114-to-2=-163, 2=-88-to-4=-162
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T28E	Half Hip	1	1	Job Reference (optional)

Universal Forest Products

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 ID:NHIEkEanFpWFtScxLnThzww1kcs-ql5QnLgjjjaFqOHxlukFNsX2DDwNJ2cWMX3v5XznDOu

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 7-8=-20, 5-7=-20

Trapezoidal Loads (plf)

Vert: 1=-38-to-2=-88, 2=-157-to-12=-191, 12=-177-to-4=-218

13) 3rd Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 7-8=-20, 5-7=-20

Trapezoidal Loads (plf)

Vert: 1=-38-to-2=-88, 2=-199-to-4=-274

14) 4th Unbal.Dead + Snow (balanced) + Parallel: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

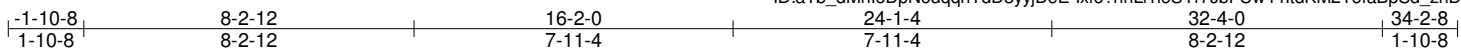
Vert: 7-8=-20, 5-7=-20

Trapezoidal Loads (plf)

Vert: 1=-150-to-2=-199, 2=-88-to-4=-162

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T32	COMMON	3	1	

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 ID:aTb_dMhI6DpN6dqqnTdD8yyjDeE-lxfo?hhLi1i6SYr7JbFUw44ItdKM2TofaBpSd_znDO



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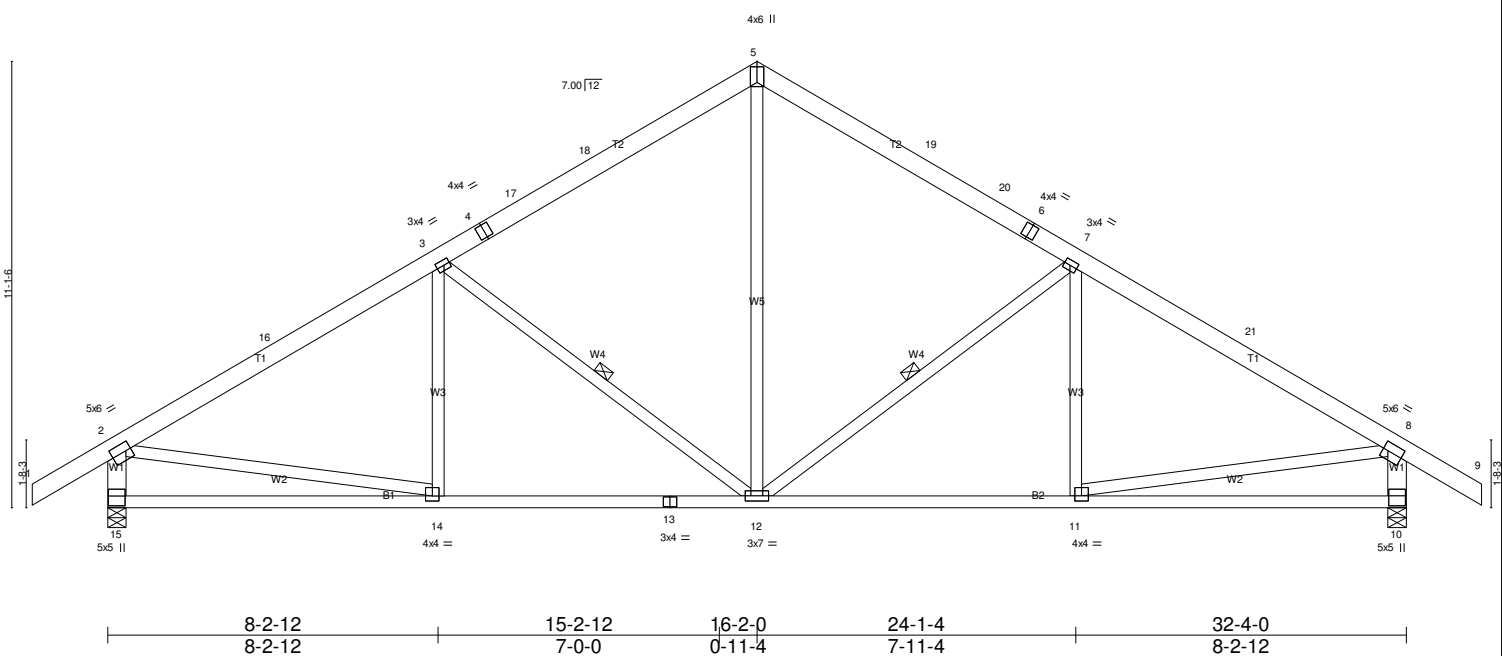


Plate Offsets (X,Y)--	[2:0-1-8,0-2-8], [3:0-1-12,0-1-8], [5:0-4-12,0-2-0], [7:0-1-12,0-1-8], [8:0-1-8,0-2-8], [10:0-3-0,0-2-8], [11:0-2-0,0-1-8], [14:0-2-0,0-1-8], [15:0-3-0,0-2-8]
-----------------------	--

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.57 BC 0.62 WB 0.82 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.10 11-12 >999 360 Vert(TL) -0.24 11-12 >999 240 Horz(TL) 0.07 10 n/a n/a	MT20	197/144
				Weight: 181 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3 *Except* W1: 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 4-5-3 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. WEBS 1 Row at midpt 3-12, 7-12

REACTIONS. (lb/size) 15=2015/0-5-8, 10=2015/0-5-8
 Max Horz 15=376(LC 8)
 Max Uplift 15=739(LC 9), 10=739(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-16=-2332/758, 3-16=-2134/775, 3-4=-1795/715, 4-17=-1694/716, 17-18=-1614/728, 5-18=-1457/745, 5-19=-1457/745, 19-20=-1614/728, 6-20=-1694/716, 6-7=-1795/715, 7-21=-2134/775, 8-21=-2332/758, 2-15=-1927/776, 8-10=-1927/776
 BOT CHORD 14-15=-296/445, 13-14=-381/1843, 12-13=-381/1843, 11-12=-381/1843, 10-11=-71/354
 WEBS 3-12=-715/354, 5-12=-353/853, 7-12=-715/354, 2-14=-334/1544, 8-11=-334/1544

JOINT STRESS INDEX
 2 = 0.90, 3 = 0.60, 4 = 0.65, 5 = 0.84, 6 = 0.65, 7 = 0.60, 8 = 0.90, 10 = 0.80, 11 = 0.76, 12 = 0.78, 13 = 0.80, 14 = 0.76 and 15 = 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 739 lb uplift at joint 15 and 739 lb uplift at joint 10.
 - 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.

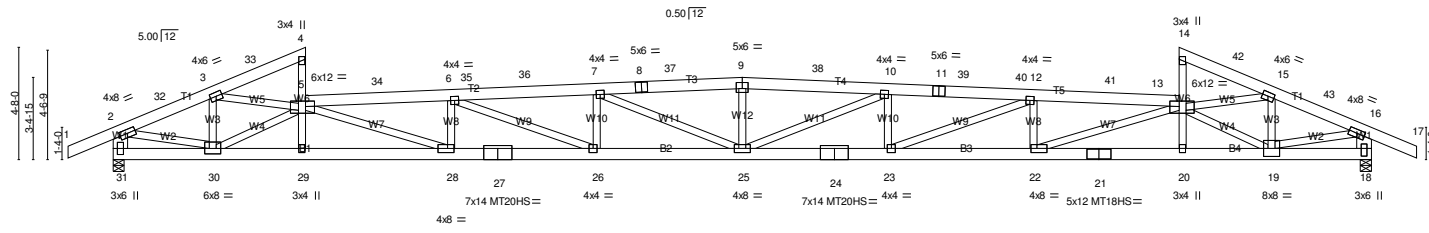
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T52	ROOF SPECIAL	11	2	

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 ID:n2IO11OQTZ0wkrxQLhBcT wzoAo6-jWLxdijE_y4hJ0ai_joBXiilBqIQFpV5H916ElznDOc

1-10-8	4-1-12	8-0-0	14-0-11	20-1-5	26-2-0	32-2-11	38-3-5	44-4-0	48-2-4	52-4-0	54-2-8
1-10-8	4-1-12	3-10-4	6-0-11	6-0-11	6-0-11	6-0-11	6-0-11	6-0-11	3-10-4	4-1-12	1-10-8

Scale: 1/8"=1'



4-1-12	8-0-0	14-0-11	20-1-5	26-2-0	32-2-11	38-3-5	44-4-0	48-2-4	52-4-0
4-1-12	3-10-4	6-0-11	6-0-11	6-0-11	6-0-11	6-0-11	6-0-11	3-10-4	4-1-12

Plate Offsets (X,Y)-- [5:0-4-8,0-2-12], [9:0-3-0,0-3-0], [13:0-4-8,0-2-12], [18:0-3-12,0-1-8], [22:0-3-0,0-2-0], [28:0-3-4,0-2-0], [30:0-4-0,0-2-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15	TC 0.75	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.85	Vert(LL) -1.26 25 >491 360	MT20HS	148/108
BCLL 0.0	Rep Stress Incr YES	WB 0.89	Vert(TL) -2.04 25 >304 240	MT18HS	197/144
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) 0.26 18 n/a n/a		Weight: 587 lb FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x6 SPF 2100F 1.8E *Except*
 WEBS 2x4 SPF No.3 *Except*
 W1: 2x8 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-10-9 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 6-0-0 oc bracing: 30-31,18-19.

REACTIONS. (lb/size) 31=3285/0-5-8, 18=3285/0-5-8
 Max Horz 31=221(LC 8)
 Max Uplift 31=659(LC 6), 18=661(LC 7)
 Max Grav 31=3585(LC 19), 18=3585(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD
 2-32=5002/1018, 3-32=4929/1029, 3-33=299/11, 4-5=450/87, 5-34=13733/3039, 6-34=13720/3040,
 6-35=15131/3296, 35-36=15118/3297, 7-36=15118/3298, 7-8=14680/3172, 8-37=14668/3172,
 9-37=14667/3173, 9-38=14667/3173, 10-38=14680/3172, 10-11=15113/3262, 11-39=15117/3261,
 39-40=15117/3261, 12-40=15129/3260, 12-41=13728/2960, 13-41=13738/2958, 13-14=273/65,
 15-42=312/26, 15-43=4946/1057, 16-43=5019/1046, 2-31=3440/856, 16-18=3464/875
 BOT CHORD
 30-31=192/678, 29-30=2058/9620, 28-29=2105/9806, 27-28=2874/13709, 26-27=2874/13709,
 25-26=3120/15105, 24-25=3084/15104, 23-24=3084/15104, 22-23=2794/13716, 21-22=1974/9797,
 20-21=1974/9797, 19-20=1933/9611, 18-19=150/620
 WEBS
 3-30=388/2031, 3-5=4380/1054, 5-30=5982/1279, 5-28=832/4291, 6-28=1365/353, 6-26=302/1745,
 7-26=544/173, 7-25=1234/543, 9-25=50/616, 10-25=1233/544, 10-23=544/178, 12-23=313/1737,
 12-22=1365/365, 13-22=869/4310, 13-15=4382/1016, 13-19=5956/1261, 15-19=376/2035,
 2-30=844/4106, 16-19=869/4183

JOINT STRESS INDEX
 2 = 0.71, 3 = 0.67, 4 = 0.52, 5 = 0.91, 6 = 0.48, 7 = 0.39, 8 = 0.76, 9 = 0.86, 10 = 0.39, 11 = 0.81, 12 = 0.48, 13 = 0.91, 14 = 0.53, 15 = 0.67, 16 = 0.71, 18 = 0.89, 19 = 0.99, 20 = 0.68, 21 = 0.61, 22 = 0.54,
 23 = 0.49, 24 = 0.77, 25 = 0.42, 26 = 0.49, 27 = 0.70, 28 = 0.56, 29 = 0.62, 30 = 0.99 and 31 = 0.75

- NOTES-**
- 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, 2x4 - 1 row at 0-9-0 oc, 2x8 - 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.
 - 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.
 - Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-10-8 to 54-2-8 zone; cantilever left and right exposed ;C/C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 42.3 psf on overhangs non-concurrent with other live loads.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 659 lb uplift at joint 31 and 661 lb uplift at joint 18.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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, concurrent with live and dead loads.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

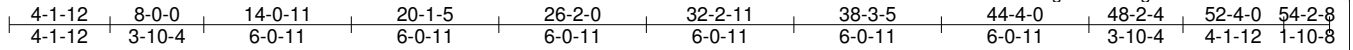
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T52A	ROOF SPECIAL	3	2	

Job Reference (optional)

Universal Forest Products

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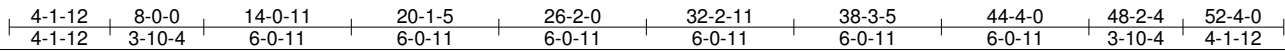
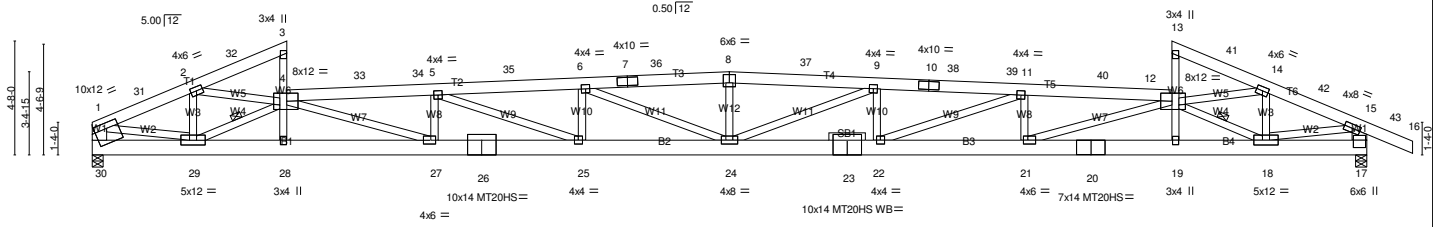


Plate Offsets (X,Y)-- [1:0-5-12,0-2-12], [4:0-5-8,0-4-0], [8:0-3-0,0-4-0], [12:0-5-8,0-4-0], [17:0-3-12,0-3-0], [19:0-2-4,0-1-8], [21:0-2-4,0-2-0], [27:0-2-4,0-2-0], [28:0-2-4,0-1-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15	TC 0.74	in (loc) l/defl L/d	MT20 197/144	187/143
TCDL 7.0	Lumber DOL 1.15	BC 0.57	Vert(LL) -1.59 24 >391 360	MT20HS 187/143	
BCLL 0.0	Rep Stress Incr YES	WB 0.93	Vert(TL) -2.22 24 >280 240		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) 0.25 17 n/a n/a		
				Weight: 712 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF 2100F 1.8E *Except* T1,T6: 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 3-10-3 oc purlins, except end verticals.
BOT CHORD 2x8 SP DSS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS 2x4 SPF No.3 *Except* W7,W2: 2x4 SPF No.2, W1: 2x8 SPF No.2	WEBS 6-0-0 oc bracing: 17-18. 1 Row at midpt 4-29, 12-18
OTHERS 2x4 SPF No.2	

REACTIONS. (lb/size) 30=4359/0-5-8, 17=4598/0-5-8
 Max Horz 30=189(LC 8)
 Max Uplift 30=567(LC 6), 17=663(LC 7)
 Max Grav 30=4659(LC 19), 17=4898(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-31=7157/1082, 2-31=7003/1088, 2-32=400/9, 3-4=499/82, 4-33=19537/3147, 33-34=19523/3147,
 5-34=19508/3148, 5-35=21450/3391, 6-35=21431/3393, 6-7=20817/3257, 7-36=20799/3257,
 8-36=20799/3258, 8-37=20799/3258, 9-37=20817/3257, 9-10=21405/3338, 10-38=21410/3337,
 38-39=21411/3337, 11-39=21429/3336, 11-40=19477/3027, 12-40=19492/3026, 12-13=343/62,
 14-41=396/32, 14-42=6953/1072, 15-42=7083/1060, 1-30=4329/677, 15-17=4576/851
 BOT CHORD 29-30=288/1279, 28-29=2182/13783, 27-28=2231/14057, 26-27=2995/19507, 25-26=2995/19507,
 24-25=3227/21413, 23-24=3172/21392, 22-23=3172/21392, 21-22=2873/19461, 20-21=2037/13979,
 19-20=2037/13979, 18-19=1995/13705, 17-18=135/1335
 WEBS 2-29=388/2758, 2-4=6315/1124, 4-29=8451/1308, 4-27=827/5908, 5-27=1893/348, 5-25=290/2278,
 6-25=760/170, 6-24=1432/351, 8-24=56/821, 9-24=1412/369, 9-22=770/182, 11-22=321/2304,
 11-21=1904/366, 12-21=884/5942, 12-14=6216/1027, 12-18=8473/1304, 14-18=375/2809,
 1-29=796/5437, 15-18=819/5343

JOINT STRESS INDEX
 1 = 0.79, 2 = 0.96, 3 = 0.66, 4 = 0.90, 5 = 0.63, 6 = 0.39, 7 = 0.77, 8 = 0.91, 9 = 0.39, 10 = 0.81, 11 = 0.64, 12 = 0.91, 13 = 0.68, 14 = 0.95, 15 = 0.93, 17 = 0.83, 18 = 0.91, 19 = 0.83, 20 = 0.67, 21 = 0.96, 22 = 0.64, 23 = 0.86, 24 = 0.42, 25 = 0.64, 26 = 0.79, 27 = 0.95, 28 = 0.83, 29 = 0.91 and 30 = 0.00

- NOTES-**
- 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 0-4-0 oc, 2x4 - 1 row at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 29-4 2x4 - 1 row at 0-7-0 oc, member 18-12 2x4 - 1 row at 0-7-0 oc.
 - 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.
 - Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-3-10 to 54-2-8 zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 42.3 psf on overhangs non-concurrent with other live loads.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 567 lb uplift at joint 30 and 663 lb uplift at joint 17.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Load case(s) 1, 2, 3, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T52A	ROOF SPECIAL	3	2	

Job Reference (optional)

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NOTES-

- 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, concurrent with live and dead loads.
14) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard Except:

- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
- 2) Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-39=-149, 12-39=-169, 13-15=-89, 15-43=-89, 16-43=-39, 17-30=-20
- 3) Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-89, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
- 13) 3rd Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-180, 4-8=-89, 8-39=-149, 12-39=-169, 13-15=-89, 15-43=-89, 16-43=-39, 17-30=-20
- 14) 4th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-89, 4-8=-168, 8-12=-89, 13-15=-89, 15-43=-89, 16-43=-39, 17-30=-20
- 15) 5th Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-202, 4-8=-89, 8-12=-89, 13-15=-89, 15-43=-89, 16-43=-39, 17-30=-20
- 16) 6th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-89, 4-34=-165, 8-34=-149, 8-12=-89, 13-15=-180, 15-43=-180, 16-43=-130, 17-30=-20
- 17) 7th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-89, 4-8=-89, 8-12=-167, 13-15=-89, 15-43=-89, 16-43=-39, 17-30=-20
- 18) 8th Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-3=-89, 4-8=-89, 8-12=-89, 13-15=-200, 15-43=-200, 16-43=-150, 17-30=-20
- 19) 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
Concentrated Loads (lb)
Vert: 1=300
- 20) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
Concentrated Loads (lb)
Vert: 31=300
- 21) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
Concentrated Loads (lb)
Vert: 32=300
- 22) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
Concentrated Loads (lb)
Vert: 3=300
- 23) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
Concentrated Loads (lb)
Vert: 33=300
- 24) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
Concentrated Loads (lb)
Vert: 35=300
- 25) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
Concentrated Loads (lb)
Vert: 36=300
- 26) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
Concentrated Loads (lb)
Vert: 37=300
- 27) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
Concentrated Loads (lb)
Vert: 38=300
- 28) 10th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
Concentrated Loads (lb)
Vert: 40=300
- 29) 11th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
Concentrated Loads (lb)
Vert: 12=300
- 30) 12th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
Concentrated Loads (lb)
Vert: 41=300
- 31) 13th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=-99, 17-30=-20
Concentrated Loads (lb)
Vert: 42=300
- 32) 14th Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T52A	ROOF SPECIAL	3	2	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:16 2016 Page 3
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LOAD CASE(S)

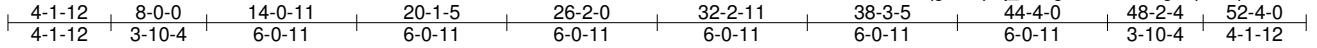
- Uniform Loads (plf)
 - Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=99, 17-30=-20
- Concentrated Loads (lb)
 - Vert: 15=-300
- 33) 15th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=99, 17-30=-20
 - Concentrated Loads (lb)
 - Vert: 2=-300
- 34) 16th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=99, 17-30=-20
 - Concentrated Loads (lb)
 - Vert: 5=-300
- 35) 17th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=99, 17-30=-20
 - Concentrated Loads (lb)
 - Vert: 6=-300
- 36) 18th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=99, 17-30=-20
 - Concentrated Loads (lb)
 - Vert: 8=-300
- 37) 19th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=99, 17-30=-20
 - Concentrated Loads (lb)
 - Vert: 9=-300
- 38) 20th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=99, 17-30=-20
 - Concentrated Loads (lb)
 - Vert: 11=-300
- 39) 21st Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-149, 4-8=-149, 8-12=-149, 13-15=-149, 15-43=-149, 16-43=99, 17-30=-20
 - Concentrated Loads (lb)
 - Vert: 14=-300

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T52B	ROOF SPECIAL	1	2	

Job Reference (optional)

Universal Forest Products

7:640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:18 2016 Page 1
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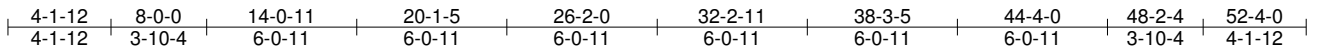
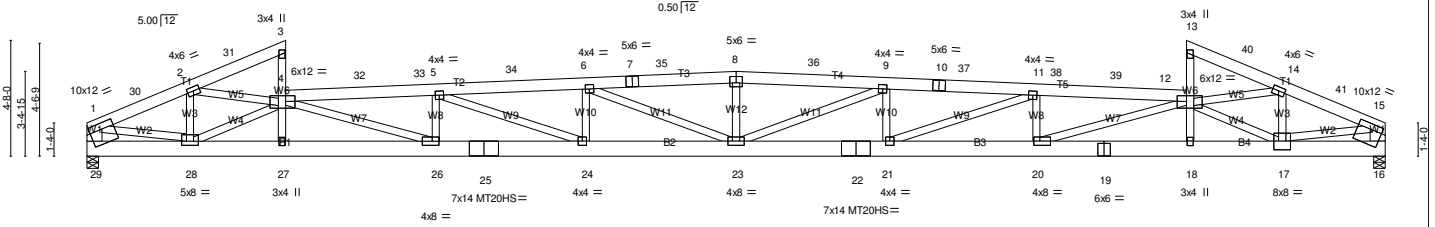


Plate Offsets (X,Y)--	[1:0-5,12:0-3:0], [4:0-4-8:0-2:12], [8:0-3-0:0-3:0], [12:0-4-8:0-2:12], [15:0-6-0:0-2:12], [17:0-4-0:0-4-4], [18:0-2-4:0-1-8], [19:0-3-0:0-0-2], [20:0-3-0:0-2:0], [26:0-3-4:0-2:0], [27:0-2-4:0-1-8], [28:0-4-0:0-2:0]
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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 42.3	Plate Grip DOL 2-0-0	TC 0.77	in (loc) l/defl L/d	MT20 197/144	
(Ground Snow=55.0)	Lumber DOL 1.15	BC 0.77	Vert(LL) -1.21 23 >514 360	MT20HS 187/143	
TCDL 7.0	Rep Stress Incr YES	WB 0.86	Vert(TL) -1.95 23 >319 240		
BCLL 0.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) 0.19 16 n/a n/a		
BCDL 10.0				Weight: 685 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-9-5 oc purlins, except end verticals.
BOT CHORD 2x8 SP DSS *Except* B4: 2x8 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3 *Except* W1: 2x8 SPF No.2	

REACTIONS. (lb/size) 29=3070/0-5-8, 16=3070/0-5-8
 Max Horz 29=187(LC 8)
 Max Uplift 29=569(LC 6), 16=570(LC 7)
 Max Grav 29=3370(LC 18), 16=3370(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-30=-5145/1078, 2-30=-5030/1090, 2-31=-298/12, 4-27=0/252, 3-4=-436/82, 4-32=-14071/3142, 32-33=-14058/3142, 5-33=-14048/3143, 5-34=-15514/3406, 6-34=-15501/3407, 6-7=-15010/3267, 7-35=-14998/3267, 8-35=-14997/3268, 8-36=-14997/3268, 9-36=-15010/3267, 9-10=-15495/3370, 10-37=-15499/3369, 11-37=-15511/3369, 11-38=-14063/3064, 38-39=-14072/3063, 12-39=-14085/3063, 12-13=-261/59, 14-40=-310/28, 14-41=-5068/1122, 15-41=-5184/1111, 1-29=-3097/675, 15-16=-3147/700
BOT CHORD 28-29=-339/1039, 27-28=-2246/10010, 26-27=-2299/10228, 25-26=-3047/14046, 24-25=-3047/14046, 23-24=-3299/15488, 22-23=-3263/15485, 21-22=-3263/15485, 20-21=-2968/14061, 19-20=-2169/10221, 18-19=-2169/10221, 17-18=-2123/10004, 16-17=-191/919
WEBS 2-28=-390/2031, 2-4=-4544/1121, 4-28=-6206/1329, 4-26=-810/4185, 5-26=-1366/353, 5-24=-307/1779, 6-24=-531/169, 6-23=-1268/504, 8-23=-60/653, 9-23=-1266/506, 9-21=-531/175, 11-21=-319/1762, 11-20=-1363/363, 12-20=-845/4212, 12-14=-4566/1087, 12-17=-6158/1307, 14-17=-378/2048, 1-28=-776/3803, 15-17=-820/3968

JOINT STRESS INDEX
 1 = 0.76, 2 = 0.69, 3 = 0.50, 4 = 0.91, 5 = 0.49, 6 = 0.39, 7 = 0.77, 8 = 0.88, 9 = 0.39, 10 = 0.81, 11 = 0.49, 12 = 0.90, 13 = 0.52, 14 = 0.70, 15 = 0.83, 16 = 0.00, 17 = 1.00, 18 = 0.74, 19 = 0.99, 20 = 0.52, 21 = 0.49, 22 = 0.74, 23 = 0.42, 24 = 0.50, 25 = 0.67, 26 = 0.55, 27 = 0.66, 28 = 0.99 and 29 = 0.00

- NOTES-**
- 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, 2x4 - 1 row at 0-9-0 oc, 2x8 - 2 rows staggered at 0-9-0 oc.
 Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - 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.
 - Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-3-10 to 52-0-6 zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 569 lb uplift at joint 29 and 570 lb uplift at joint 16.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 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, concurrent with live and dead loads.
 - *Semi-rigid pitchbreaks including heels* Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T52C	Roof Special	3	1	

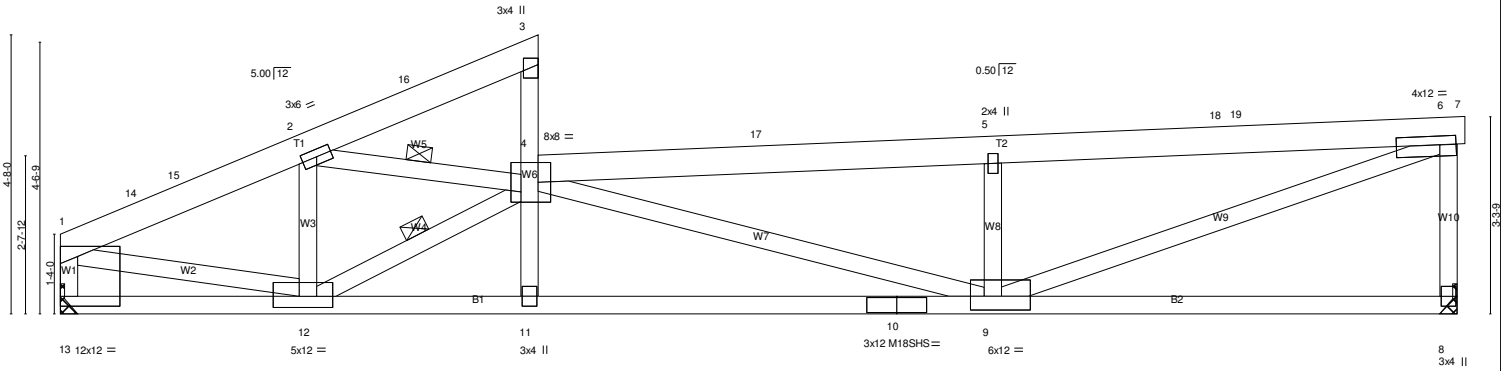
Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:19 2016 Page 1
 ID:n2IOI1OQTZ0wkrxQLhBcTwwzoAo6-XgiCumo_aorr1x1sL_vbnzyjOFNVIVd_f5UQSyznDok

4-1-12	8-0-0	15-7-5	23-4-9	23-6-2
4-1-12	3-10-4	7-7-5	7-9-4	0-1-9

Scale = 1:38.6



4-1-12	8-0-0	15-7-5	23-4-9	23-6-2
4-1-12	3-10-4	7-7-5	7-9-4	0-1-9

Plate Offsets (X,Y)-- [3:Edge,0-1-12], [4:0-2-8,0-4-0], [6:0-3-4,0-1-12], [9:0-2-12,0-2-12], [12:0-5-4,0-2-4], [13:Edge,0-10-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr NO Code IBC2009/TPI2007	TC 0.96 BC 0.74 WB 0.97 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.41 9-11 >678 360 Vert(TL) -0.59 9-11 >467 240 Horz(TL) 0.10 8 n/a n/a	MT20 M18SHS	197/144 197/144
TCDL 7.0				Weight: 114 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2 *Except* T2: 2x6 SPF 2100F 1.8E	TOP CHORD Structural wood sheathing directly applied or 2-1-8 oc purlins, except end verticals.
BOT CHORD 2x4 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 8-1-7 oc bracing.
WEBS 2x4 SPF No.3 *Except* W6,W2: 2x4 SPF No.2, W9: 2x4 SPF 2100F 1.8E	WEBS 1 Row at midpt 2-4, 4-12

REACTIONS. (lb/size) 13=2409/Mechanical, 8=2462/Mechanical
 Max Horz 13=233(LC 8)
 Max Uplift 13=200(LC 8), 8=308(LC 7)
 Max Grav 13=2709(LC 13), 8=2762(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-14=3866/421, 14-15=3731/423, 2-15=3720/430, 2-16=321/0, 3-4=574/86, 4-17=5802/758, 5-17=5778/759, 5-18=5819/775,
 18-19=5787/775, 6-19=5783/776, 1-13=2654/316
 BOT CHORD 12-13=286/260, 11-12=918/6040, 10-11=937/6184, 9-10=937/6184
 WEBS 2-12=67/923, 2-4=3387/546, 4-12=3125/345, 4-9=731/175, 5-9=2016/342, 6-9=835/6186, 1-12=349/3341, 6-8=2697/373

JOINT STRESS INDEX
 1 = 0.00, 2 = 0.95, 3 = 0.88, 4 = 0.91, 5 = 0.81, 6 = 0.88, 8 = 0.72, 9 = 0.97, 10 = 0.92, 11 = 0.80, 12 = 0.97 and 13 = 0.63

- NOTES-**
- Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-1-12 to 23-6-2 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - Unbalanced snow loads have been considered for this design.
 - 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.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 200 lb uplift at joint 13 and 308 lb uplift at joint 8.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - Load case(s) 1, 2, 3, 13, 14, 15, 16, 17, 18, 19, 20, 21 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
 - 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, concurrent with live and dead loads.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

- LOAD CASE(S)** Standard
- Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=189, 4-7=189, 8-13=20
 - Dead + Snow (Unbal. Left): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-14=189, 3-14=231, 4-7=129, 8-13=20
 - Dead + Snow (Unbal. Right): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=129, 4-19=197, 7-19=189, 8-13=20
 - 1st Moving Load: Lumber Increase=1.25, Plate Increase=1.25

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T52C	Roof Special	3	1	Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:19 2016 Page 2
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LOAD CASE(S) Standard

- Uniform Loads (plf)
 - Vert: 1-3=-189, 4-7=-189, 8-13=-20
- Concentrated Loads (lb)
 - Vert: 1=-300
- 14) 2nd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-189, 4-7=-189, 8-13=-20
 - Concentrated Loads (lb)
 - Vert: 15=-300
- 15) 3rd Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-189, 4-7=-189, 8-13=-20
 - Concentrated Loads (lb)
 - Vert: 16=-300
- 16) 4th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-189, 4-7=-189, 8-13=-20
 - Concentrated Loads (lb)
 - Vert: 3=-300
- 17) 5th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-189, 4-7=-189, 8-13=-20
 - Concentrated Loads (lb)
 - Vert: 17=-300
- 18) 6th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-189, 4-7=-189, 8-13=-20
 - Concentrated Loads (lb)
 - Vert: 18=-300
- 19) 7th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-189, 4-7=-189, 8-13=-20
 - Concentrated Loads (lb)
 - Vert: 2=-300
- 20) 8th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-189, 4-7=-189, 8-13=-20
 - Concentrated Loads (lb)
 - Vert: 5=-300
- 21) 9th Moving Load: Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-189, 4-7=-189, 8-13=-20
 - Concentrated Loads (lb)
 - Vert: 6=-300

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T52D	Roof Special	3	1	

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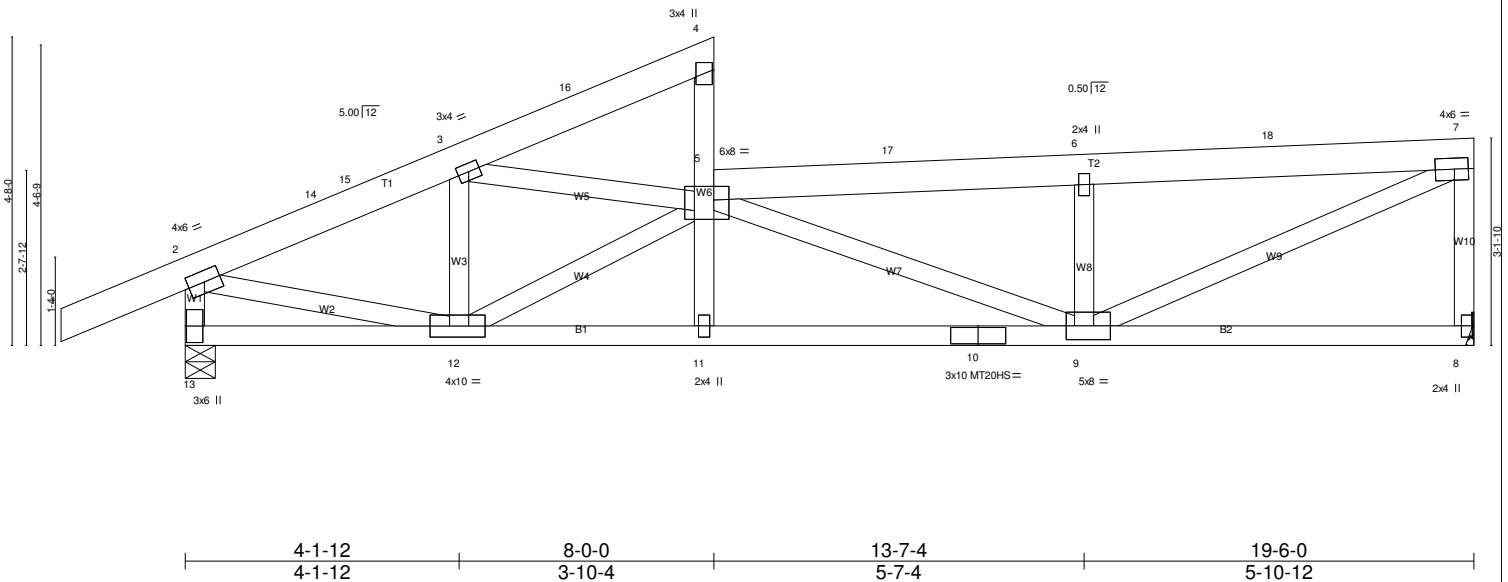


Plate Offsets (X,Y)--	[5:0-2-12,0-2-8], [7:0-2-8,0-2-0], [8:0-2-0,0-1-4], [9:0-1-8,0-2-8], [12:0-3-8,0-2-0]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.57 BC 0.70 WB 0.68 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.14 9-11 >999 360 Vert(TL) -0.25 9-11 >912 240 Horz(TL) 0.05 8 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TP12007				
BCDL 10.0				Weight: 101 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF No.3 *Except*
 W9: 2x4 SPF No.2

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-8-2 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 8=1130/Mechanical, 13=1350/0-5-8
 Max Horz 13=293(LC 8)
 Max Uplift 8=246(LC 7), 13=277(LC 8)
 Max Grav 8=1430(LC 19), 13=1650(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-14=1911/295, 14-15=1818/302, 3-15=1816/307, 4-5=449/89, 5-17=-2417/512, 6-17=-2408/514, 6-18=-2423/525, 7-18=-2410/526,
 7-8=-1374/316, 2-13=-1606/406
 BOT CHORD 12-13=-273/133, 11-12=-681/2825, 10-11=-694/2871, 9-10=-694/2871
 WEBS 3-12=-36/452, 3-5=-1633/409, 5-12=-1437/235, 5-9=-703/177, 6-9=-947/251, 7-9=-580/2623, 2-12=-214/1663

JOINT STRESS INDEX
 2 = 0.66, 3 = 0.67, 4 = 0.65, 5 = 0.65, 6 = 0.38, 7 = 0.91, 8 = 0.93, 9 = 0.91, 10 = 0.64, 11 = 0.58, 12 = 0.68 and 13 = 0.98

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-10-8 to 19-4-4 zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 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 246 lb uplift at joint 8 and 277 lb uplift at joint 13.
 - 10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TP1 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, concurrent with live and dead loads.
 - 12) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

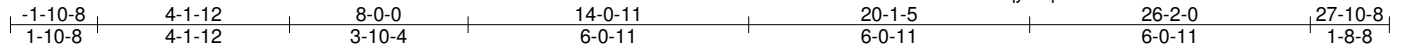
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T52E	Roof Special	3	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:21 2016 Page 1
 ID:n2IO11OQTZ0wkrxQLhBcTwzoAo6-U3qyJSqF6P5ZHEBFSPx3sO14x24n7OzH6PzXWrznDO



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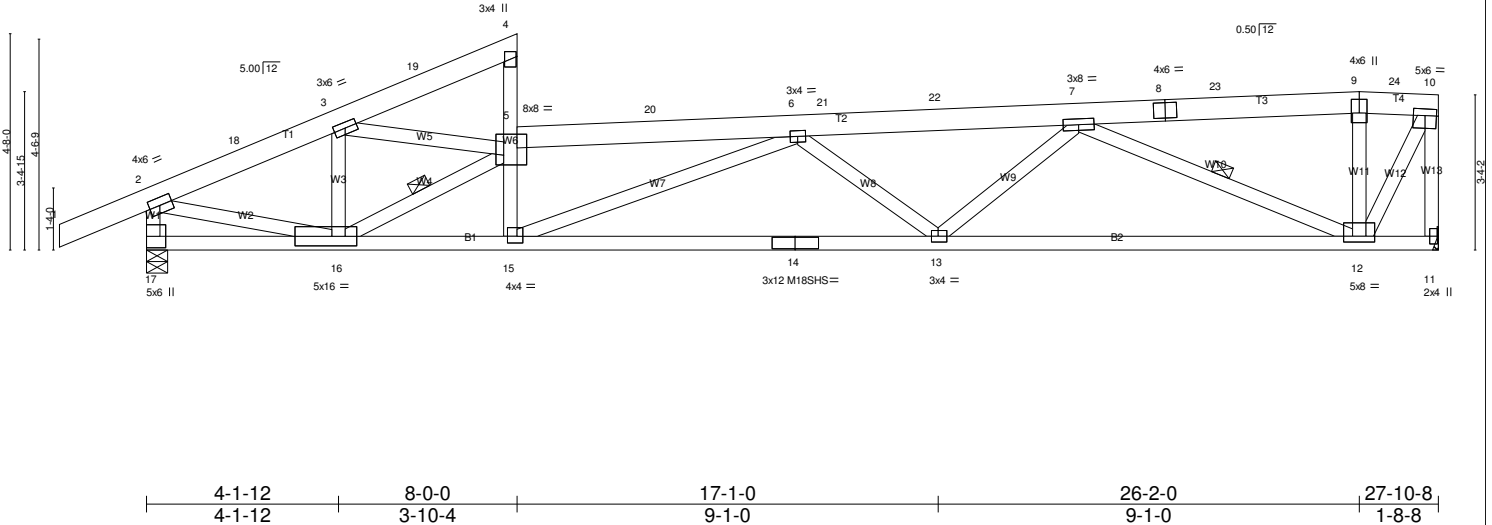


Plate Offsets (X,Y)--	[2:0-2-12,0-2-0], [5:0-6-0,0-5-8], [9:0-3-8,0-2-0], [10:0-3-0,0-1-12], [11:0-2-0,0-1-4], [12:0-4-0,0-1-8], [13:0-1-12,0-1-8], [15:0-1-8,0-1-12], [16:0-6-8,0-2-8]
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 42.3 (Ground Snow=55.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.90 BC 0.63 WB 0.98 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.38 13-15 >867 360 Vert(TL) -0.74 13-15 >445 240 Horz(TL) 0.15 11 n/a n/a	MT20 M18SHS	197/144 197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 140 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x6 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 2-0-2 oc purlins, except end verticals.
BOT CHORD 2x4 SPF 2100F 1.8E	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3	WEBS 1 Row at midpt 5-16, 7-12

REACTIONS. (lb/size) 11=1630/Mechanical, 17=1844/0-5-8
 Max Horz 17=290(LC 8)
 Max Uplift 11=360(LC 9), 17=345(LC 8)
 Max Grav 11=1930(LC 25), 17=2144(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-18=-2741/495, 3-18=-2644/506, 4-5=-444/90, 5-20=-5330/1220, 6-20=-5310/1223, 6-21=-4599/948, 21-22=-4587/949, 7-22=-4574/950,
 7-8=-1062/190, 8-23=-1049/191, 9-23=-1037/192, 9-24=-1033/194, 10-24=-1038/193, 10-11=-1964/361, 2-17=-2093/528
 BOT CHORD 16-17=-309/176, 15-16=-1232/5181, 14-15=-1205/5300, 13-14=-1205/5300, 12-13=-846/3862
 WEBS 3-16=-175/1024, 3-5=-2399/599, 5-16=-3179/615, 6-15=-280/469, 6-13=-961/316, 7-13=-158/1190, 7-12=-3160/719, 9-12=-651/150,
 10-12=-403/2203, 2-16=-394/2419

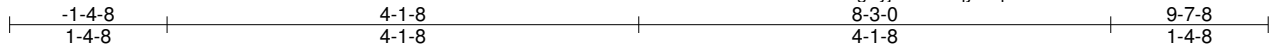
JOINT STRESS INDEX
 2 = 0.96, 3 = 0.78, 4 = 0.73, 5 = 0.93, 6 = 0.55, 7 = 0.78, 8 = 0.88, 9 = 0.80, 10 = 0.73, 11 = 0.79, 12 = 0.84, 13 = 0.87, 14 = 0.79, 15 = 0.81, 16 = 0.69 and 17 = 0.96

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=50ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-10-8 to 27-8-12 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pg= 55.0 psf (ground snow); Pf=42.3 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 42.3 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 metal plate or equivalent at bearing(s) 11 to support reaction shown.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 360 lb uplift at joint 11 and 345 lb uplift at joint 17.
 - 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, concurrent with live and dead loads.
 - 13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	T53	QUEENPOST	5	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:21 2016 Page 1
 ID:2f9MriiwtXxEknP0KA8SgAylDeD-U3qyJSqF6P5ZHEBFSPx3sO1Er2A97c5H6PzXWrznDO



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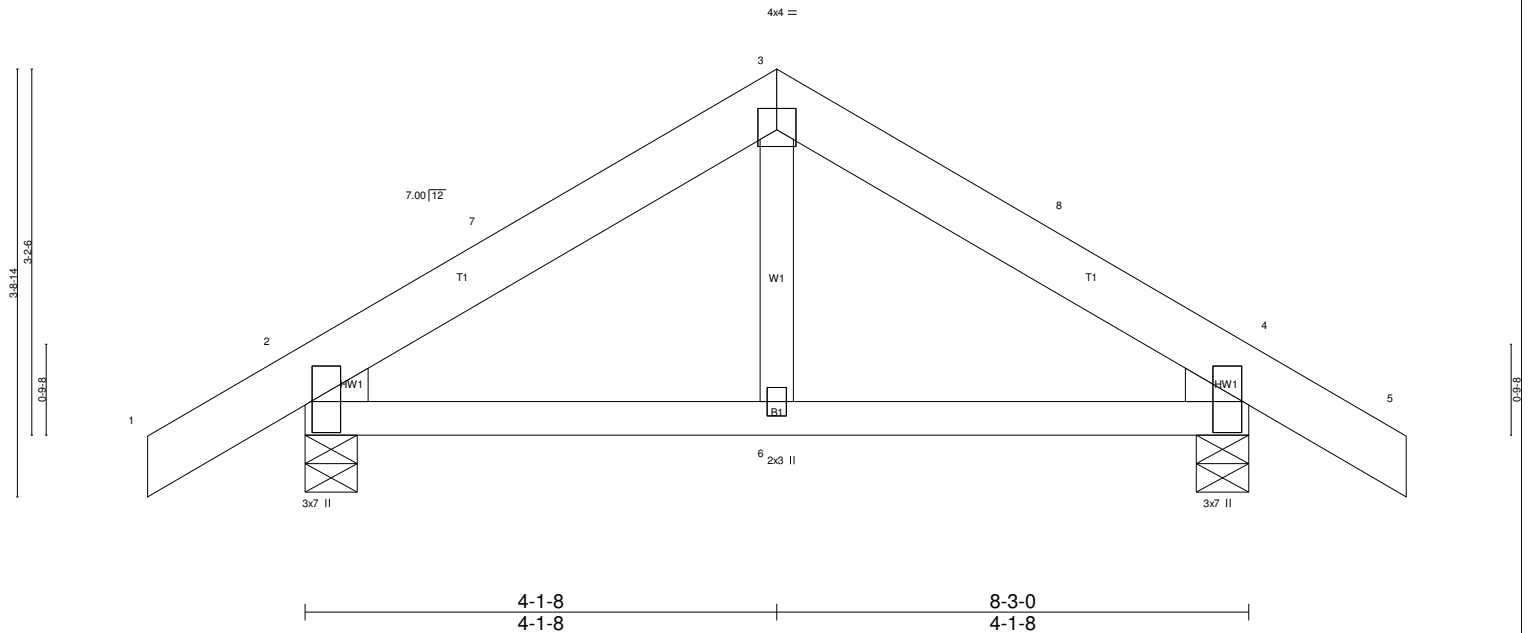


Plate Offsets (X,Y)-- [2:0-3-4,0-0-2], [3:0-2-0,0-2-4], [4:0-3-4,0-0-2]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.26 BC 0.22 WB 0.08 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.01 2-6 >999 360 Vert(TL) -0.02 2-6 >999 240 Horz(TL) 0.00 4 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 37 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 SPF No.2
 BOT CHORD 2x4 SPF No.2
 WEBS 2x4 SPF No.3
 WEDGE
 Left: 2x4 SPF No.3, Right: 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) 2=595/0-5-8, 4=595/0-5-8
 Max Horz 2=-94(LC 7)
 Max Uplift 2=-370(LC 9), 4=-370(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-7=-467/209, 3-7=-378/218, 3-8=-378/218, 4-8=-467/209
 BOT CHORD 2-6=-87/307, 4-6=-87/307

JOINT STRESS INDEX
 2 = 0.60, 2 = 0.00, 3 = 0.15, 4 = 0.60, 4 = 0.00 and 6 = 0.21

- 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; porch 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 370 lb uplift at joint 2 and 370 lb uplift at joint 4.
 - 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.

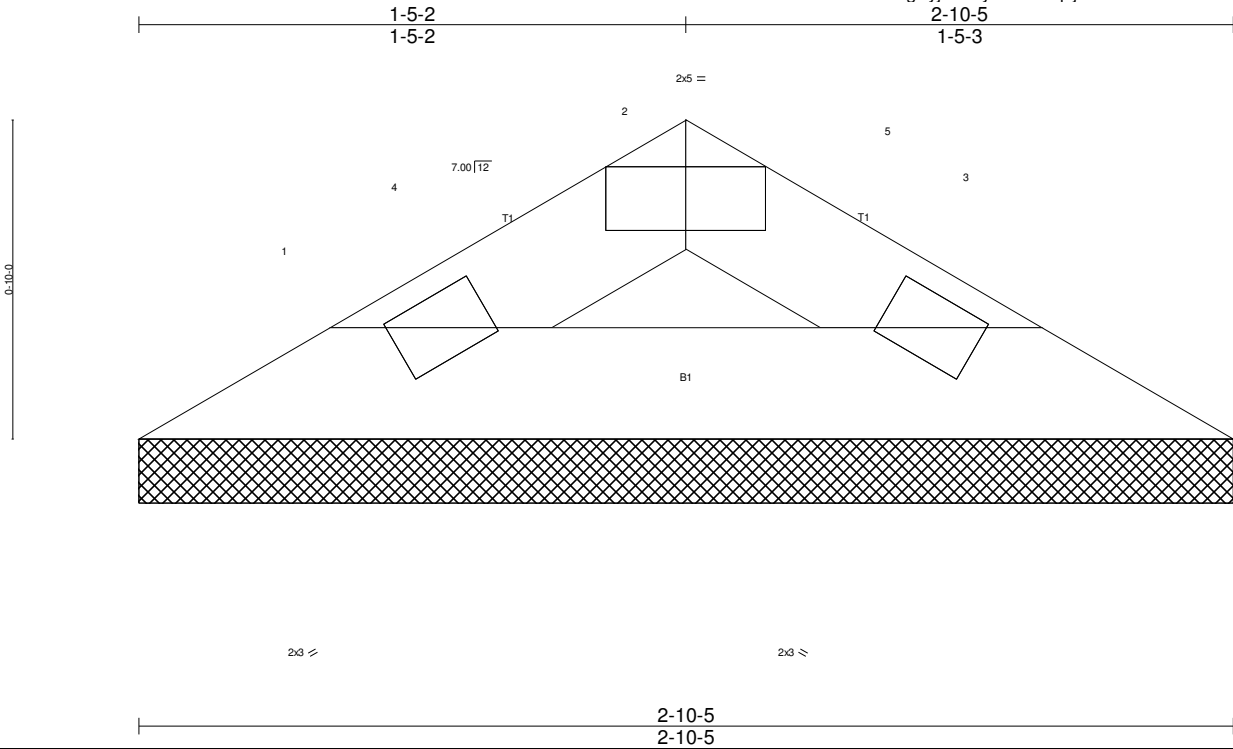
LOAD CASE(S) Standard

Job CORE	Truss V1	Truss Type ROOF TRUSS	Qty 4	Ply 1	Portland Retirement Residence
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Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:22 2016 Page 1
ID:2f9MriiwtXxEknP0KA8SgAyiDeD-yFOKWnqtjDPuOmR06TIPcZS?SYIs4ZQL3j52HznDOh



Scale = 1/8" = 1'-0"

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.11 BC 0.07 WB 0.00 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 3 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 6 lb	FT = 4%

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

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

REACTIONS. (lb/size) 1=101/2-10-5, 3=101/2-10-5
Max Horz 1=-15(LC 7)
Max Uplift 1=-33(LC 9), 3=-33(LC 9)
Max Grav 1=330(LC 15), 3=330(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-313/42, 2-4=-310/43, 2-5=-310/43, 3-5=-312/42
BOT CHORD 1-3=-22/268

JOINT STRESS INDEX
1 = 0.42, 2 = 0.07 and 3 = 0.42

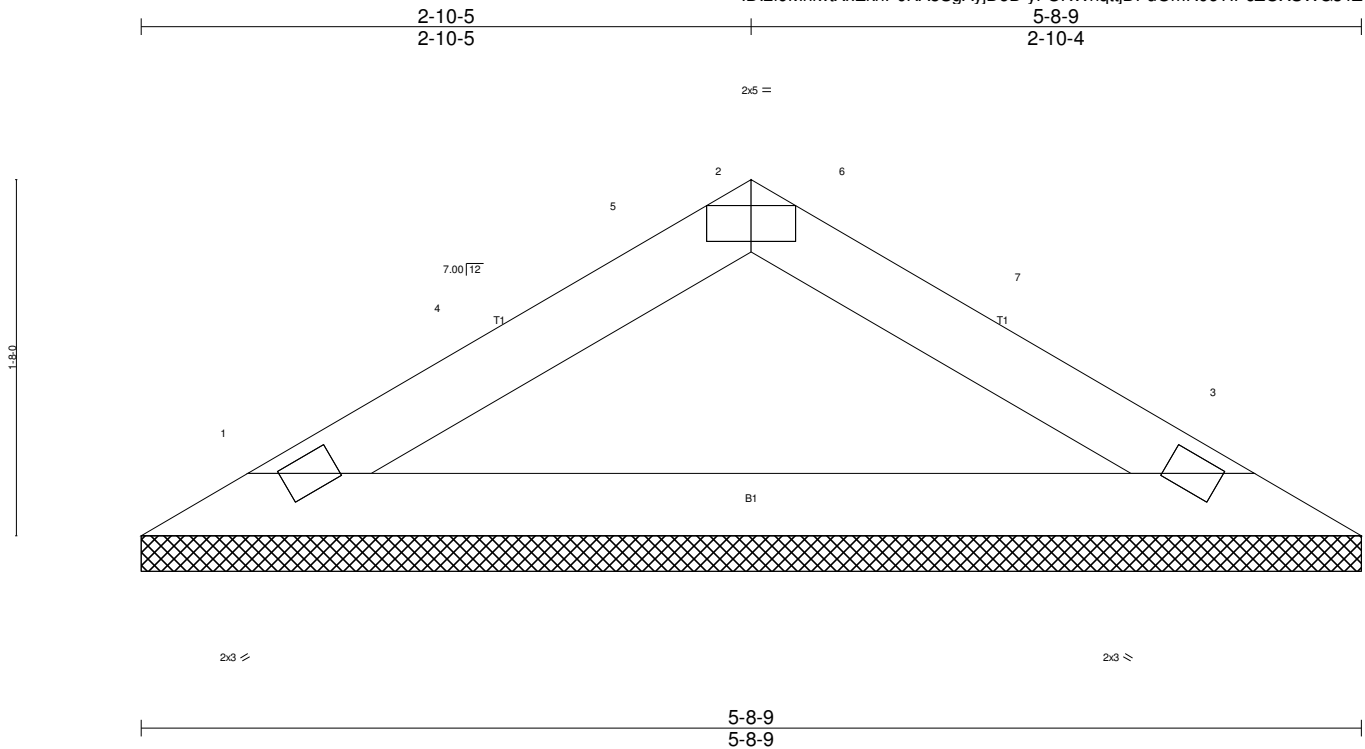
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - 3) Unbalanced 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 33 lb uplift at joint 1 and 33 lb uplift at joint 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
CORE	V2	ROOF TRUSS	4	1	

Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:22 2016 Page 1
 ID:2f9MriiwtXxEknP0KA8SgAyiDeD-yFOKWnqtjtDPuOmR06TIPcZOXSWSGs4ZQL3j52HznDOh



Scale = 1:10.8

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.33 BC 0.23 WB 0.00 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 3 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0	Rep Stress Incr YES Code IBC2009/TPI2007			Weight: 13 lb	FT = 4%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 5-8-9 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=264/5-8-9, 3=264/5-8-9
 Max Horz 1=-40(LC 7)
 Max Uplift 1=-86(LC 9), 3=-86(LC 9)
 Max Grav 1=379(LC 15), 3=379(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-4=-336/109, 4-5=-330/109, 2-5=-324/113, 2-6=-324/113, 6-7=-330/109, 3-7=-336/109
 BOT CHORD 1-3=-56/285

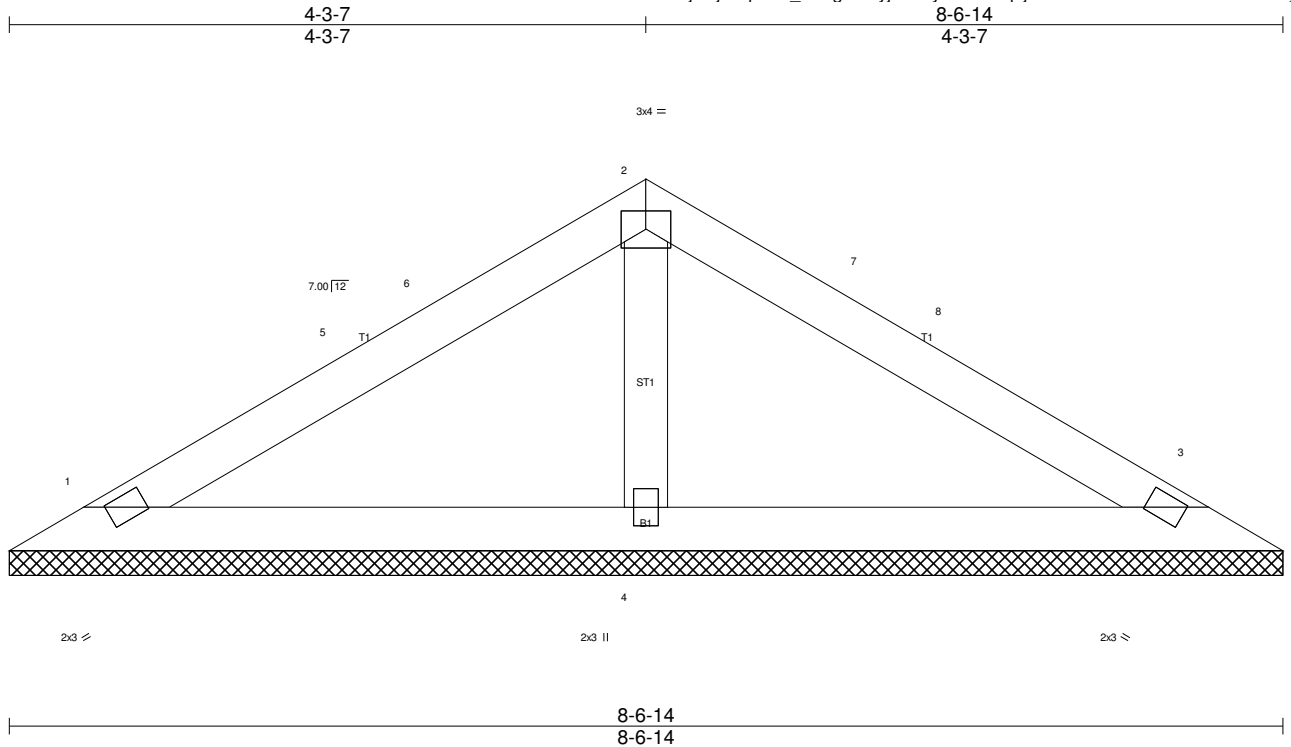
JOINT STRESS INDEX
 1 = 0.46, 2 = 0.08 and 3 = 0.46

- 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 86 lb uplift at joint 1 and 86 lb uplift at joint 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
CORE	V3	ROOF TRUSS	4	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:22 2016 Page 1
 ID:Wrlj22jYeq35Lx_DuughDNyjDeC-yFOKWnqtjDPuOmR06TIPcZKFSYzs3RQL3j52HznDOh



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.61 BC 0.12 WB 0.07 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 3 n/a n/a	MT20	197/144
TCDL 7.0				Weight: 22 lb	FT = 4%
BCLL 0.0					
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=231/8-6-14, 3=231/8-6-14, 4=392/8-6-14
 Max Horz 1=-64(LC 7)
 Max Uplift 1=-100(LC 9), 3=-100(LC 9), 4=-79(LC 9)
 Max Grav 1=358(LC 15), 3=358(LC 17), 4=392(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-4=-298/126

JOINT STRESS INDEX
 1 = 0.37, 2 = 0.15, 3 = 0.37 and 4 = 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); 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 1, 100 lb uplift at joint 3 and 79 lb uplift at joint 4.
 - 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.

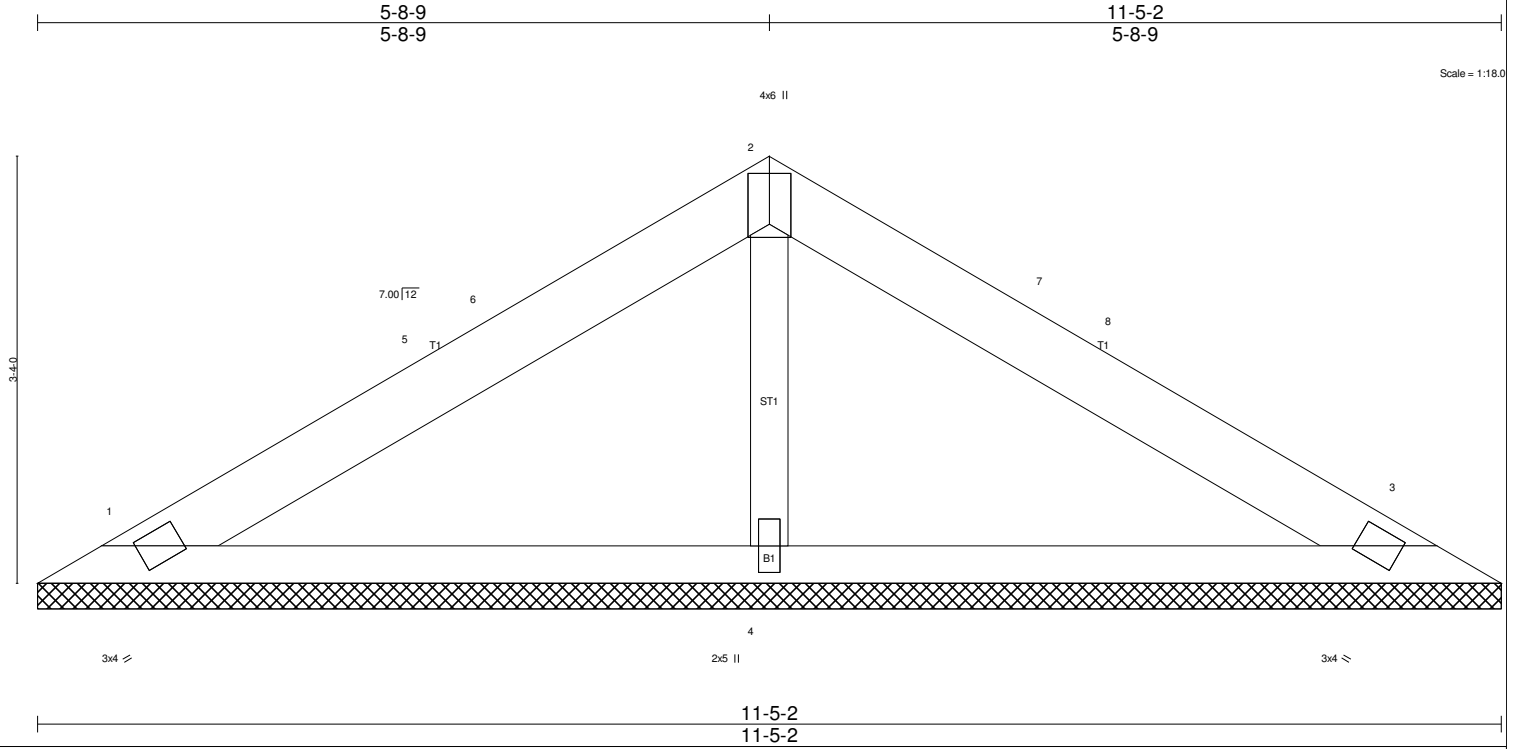
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	V4	ROOF TRUSS	5	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:23 2016 Page 1
 ID:Wrlj22jYeq35Lx_DuughDNyjDeC-QRyjk7rVe1LGWYLdaq_Xp6a3stSbWvZajSebznDOg



Scale = 1:18.0

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.28 BC 0.17 WB 0.12 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 3 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0				Weight: 38 lb	FT = 4%

LUMBER-
 TOP CHORD 2x6 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=275/11-5-2, 3=275/11-5-2, 4=592/11-5-2
 Max Horz 1=-86(LC 7)
 Max Uplift 1=-108(LC 9), 3=-108(LC 9), 4=-157(LC 9)
 Max Grav 1=375(LC 15), 3=375(LC 17), 4=592(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 2-4=-458/191

JOINT STRESS INDEX
 1 = 0.50, 2 = 0.82, 3 = 0.50 and 4 = 0.16

- 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 108 lb uplift at joint 1, 108 lb uplift at joint 3 and 157 lb uplift at joint 4.
 - 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.

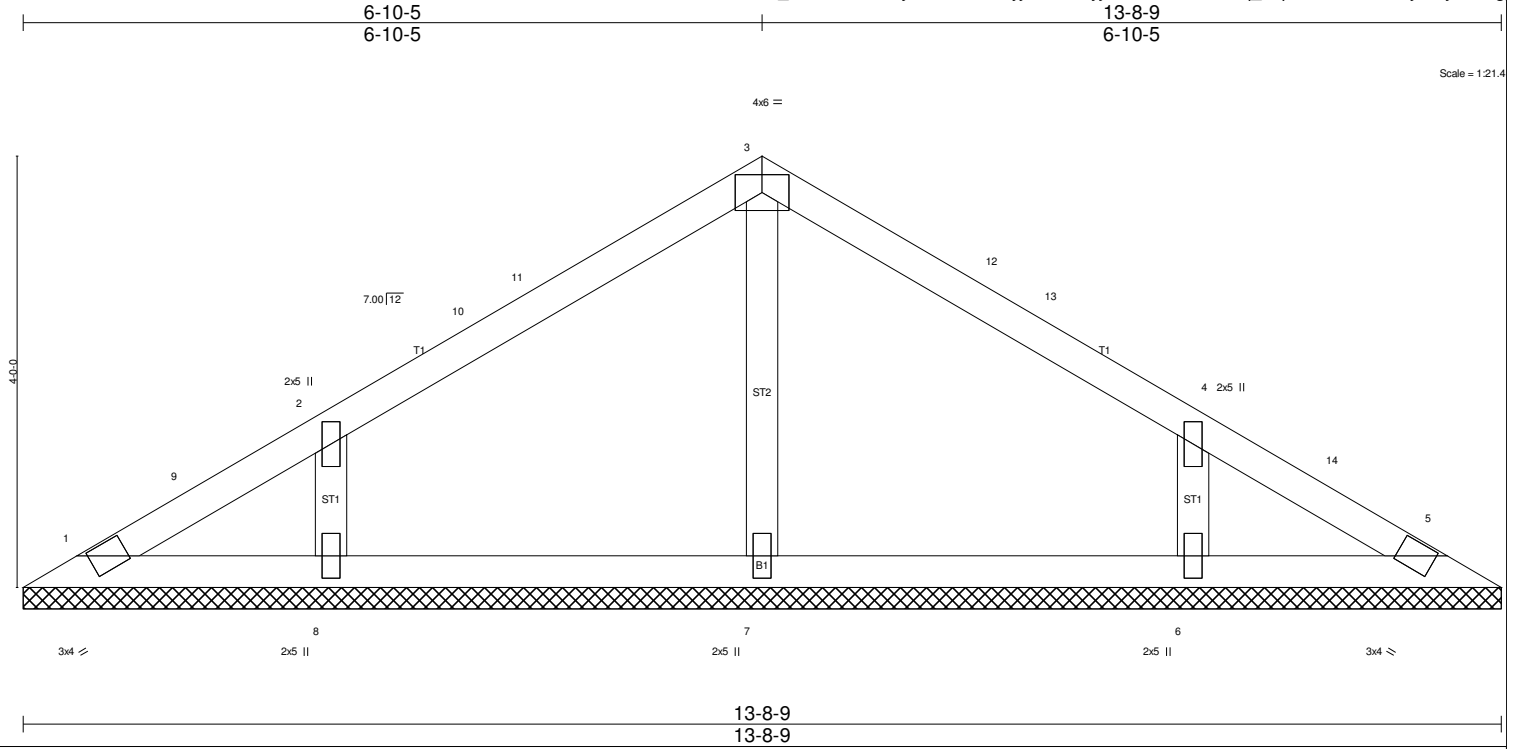
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	V5	GABLE	4	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:23 2016 Page 1
 ID: _2H7GNkAP8Byz5ZPSbBwbyjDeB-QRyjk7rVe1LGWYLdaq_Xxp6Y0suEbW4ZajSebjznDOg



Scale = 1:21.4

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.41 BC 0.12 WB 0.11 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 5 n/a n/a	MT20	197/144
TCDL 7.0				Weight: 39 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 OTHERS 2x4 SPF No.3	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. All bearings 13-8-9.
 (lb) - Max Horz 1=-109(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-196(LC 9), 6=-196(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 1=329(LC 17), 5=329(LC 21), 7=414(LC 1), 8=443(LC 2), 6=443(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 3-7=-331/93, 2-8=-373/226, 4-6=-373/226

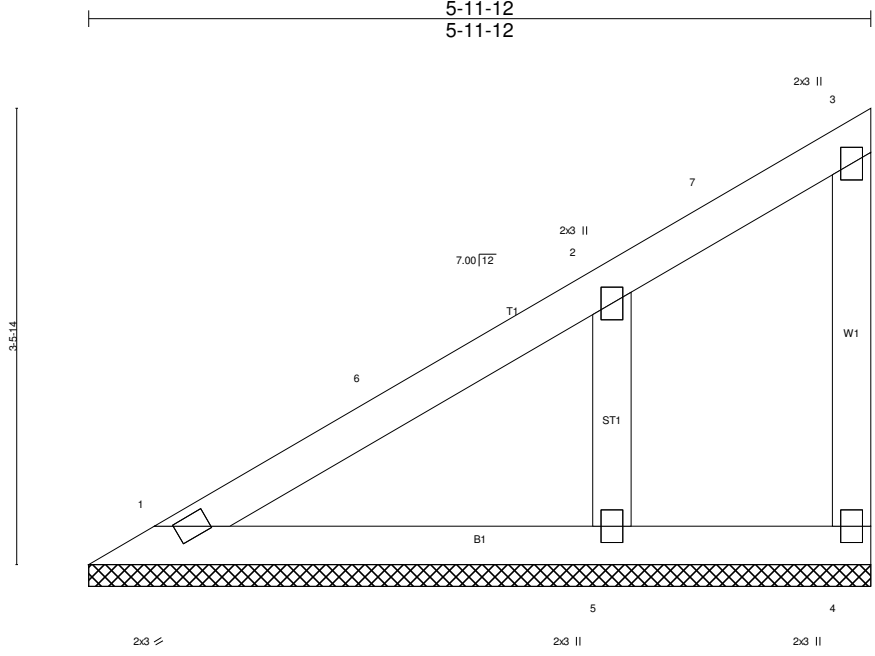
JOINT STRESS INDEX
 1 = 0.51, 2 = 0.16, 3 = 0.90, 4 = 0.16, 5 = 0.51, 6 = 0.13, 7 = 0.12 and 8 = 0.13

- 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); 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, 5, 7 except (jt=lb) 8=196, 6=196.
 - 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
CORE	V5A	GABLE	1	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:24 2016 Page 1
 ID:Wrij22jYeq35Lx_DuughDNyjDeC-ueV5xTs7PKT78iwp8XVmU1fjiGE4Kzlj0NCB7AzniDof



Scale = 1:17.6

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.42	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.08	Vert(LL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.08	Vert(TL) n/a - n/a 999		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) 0.00 n/a n/a	Weight: 19 lb	FT = 4%

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 5-11-12 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=161/5-11-12, 4=36/5-11-12, 5=407/5-11-12
 Max Horz 1=172(LC 9)
 Max Uplift 4=-59(LC 13), 5=-200(LC 9)
 Max Grav 1=348(LC 16), 4=309(LC 15), 5=427(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-4=-303/65
 WEBS 2-5=-355/236

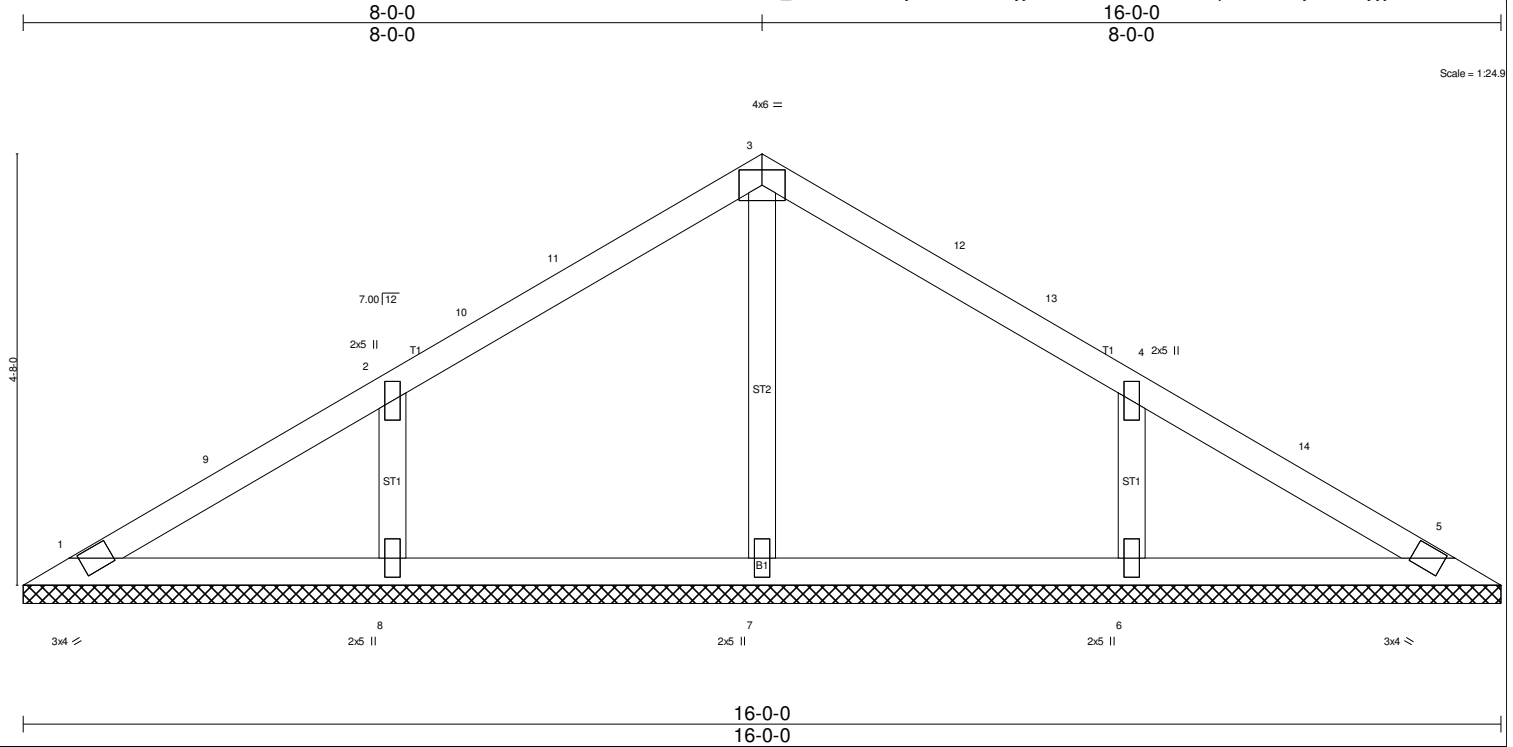
JOINT STRESS INDEX
 1 = 0.17, 2 = 0.23, 3 = 0.26, 4 = 0.16 and 5 = 0.21

- 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); 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) 5=200.
 - 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
CORE	V6	GABLE	4	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:24 2016 Page 1
 ID: _2H7GNkAP8Byz5ZPSbBwlbjDeB-ueV5xTs7PKT78iwp8XVmU1fjaGDZKyjjoNCB7AzniDof



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.42 BC 0.17 WB 0.14 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 5 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 47 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 OTHERS 2x4 SPF No.3	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. All bearings 16-0-0.
 (lb) - Max Horz 1=-128(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-234(LC 9), 6=-234(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 1=349(LC 17), 5=349(LC 21), 7=387(LC 1), 8=525(LC 2), 6=525(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 3-7=-316/59, 2-8=-428/258, 4-6=-428/258

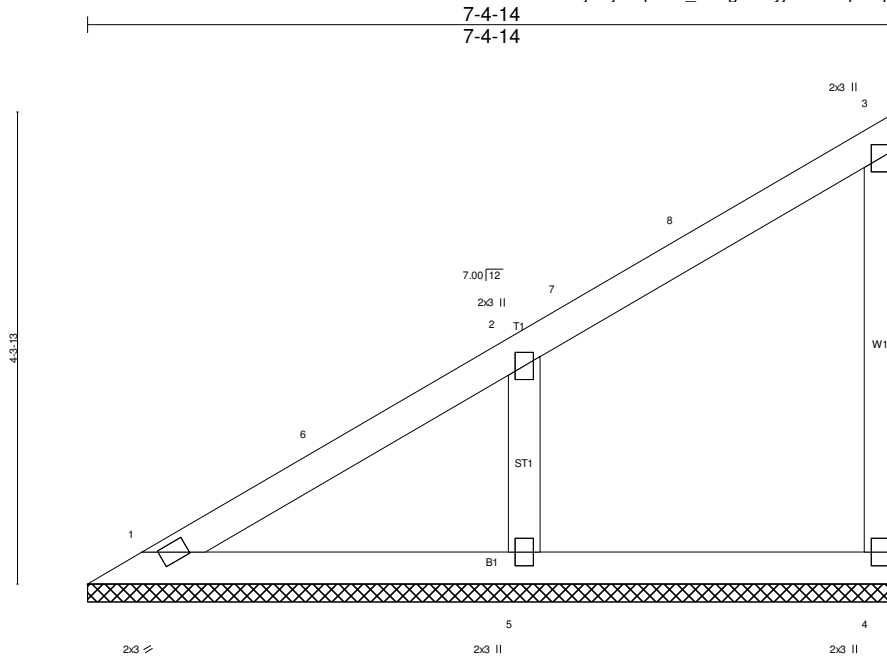
JOINT STRESS INDEX
 1 = 0.71, 2 = 0.19, 3 = 0.82, 4 = 0.19, 5 = 0.71, 6 = 0.15, 7 = 0.11 and 8 = 0.15

- 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); 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, 5, 7 except (jt=lb) 8=234, 6=234.
 - 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
CORE	V6A	GABLE	1	1	Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:25 2016 Page 1
ID:Wrijl2jYeq35Lx_DuughDNyjDeC-Mq3T8ptl9eb_IsV0hF0?1EBu0ga23Qjs11xlfcznDOe



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 0.44 BC 0.09 WB 0.10 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 n/a n/a	PLATES GRIP MT20 197/144 Weight: 24 lb FT = 4%
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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=151/7-4-14, 4=137/7-4-14, 5=479/7-4-14
Max Horz 1=218(LC 9)
Max Uplift 4=-68(LC 9), 5=-236(LC 9)
Max Grav 1=345(LC 16), 4=340(LC 15), 5=515(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-316/79
WEBS 2-5=-431/278

JOINT STRESS INDEX
1 = 0.21, 2 = 0.28, 3 = 0.27, 4 = 0.17 and 5 = 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); 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) 5=236.
 - 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
CORE	V7	GABLE	4	1	

Job Reference (optional)

Universal Forest Products

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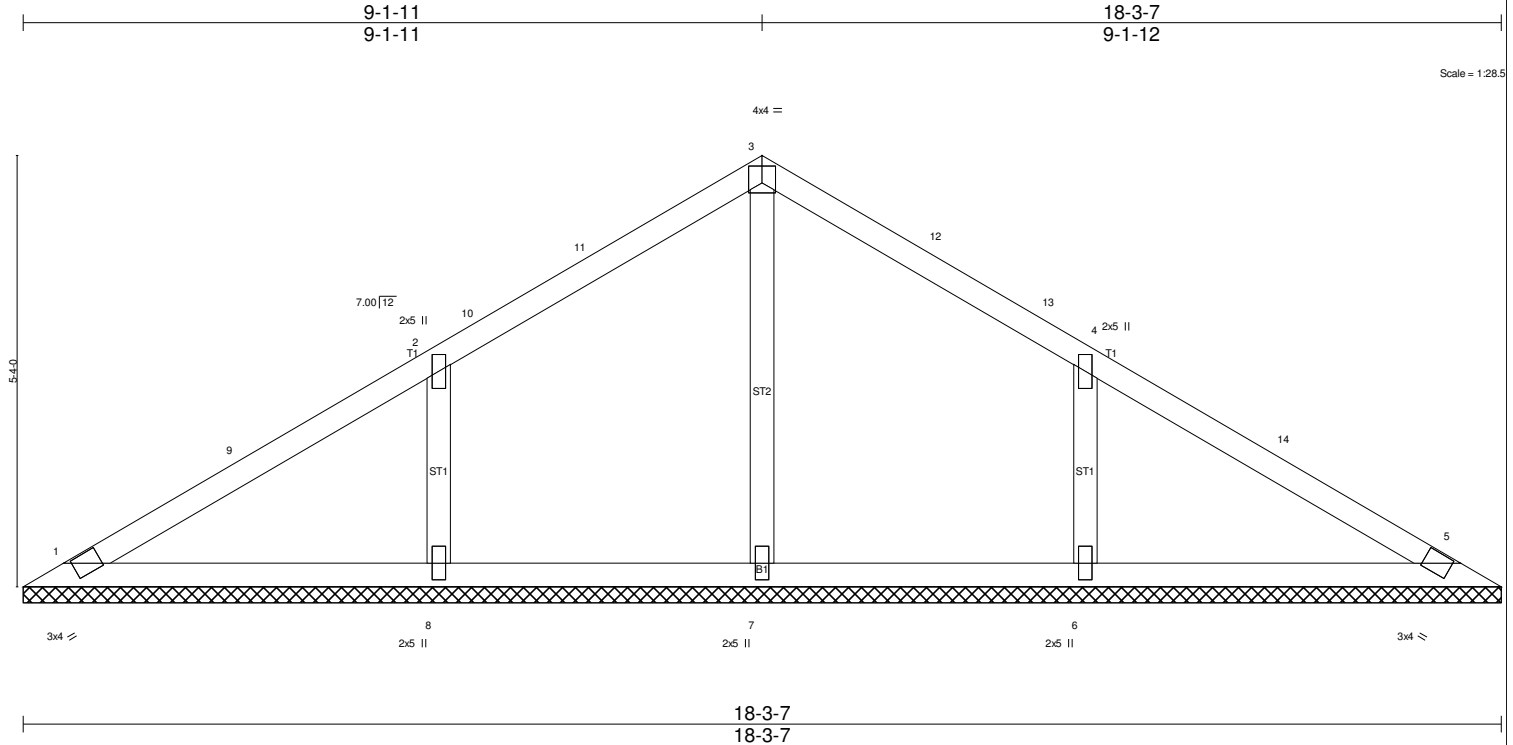


Plate Offsets (X,Y)-- [3:0-2-0,0-2-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.53 BC 0.23 WB 0.16 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 5 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 55 lb	FT = 4%

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 6-0-0 oc bracing.

REACTIONS. All bearings 18-3-7.
 (lb) - Max Horz 1=-148(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-283(LC 9), 6=-283(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 1=366(LC 17), 5=366(LC 21), 7=361(LC 19), 8=634(LC 2), 6=634(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 3-7=-292/15, 2-8=-506/304, 4-6=-506/304

JOINT STRESS INDEX
 1 = 0.70, 2 = 0.31, 3 = 0.84, 4 = 0.31, 5 = 0.70, 6 = 0.31, 7 = 0.31 and 8 = 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); 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, 5 except (jt=lb) 8=283, 6=283.
 - 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.

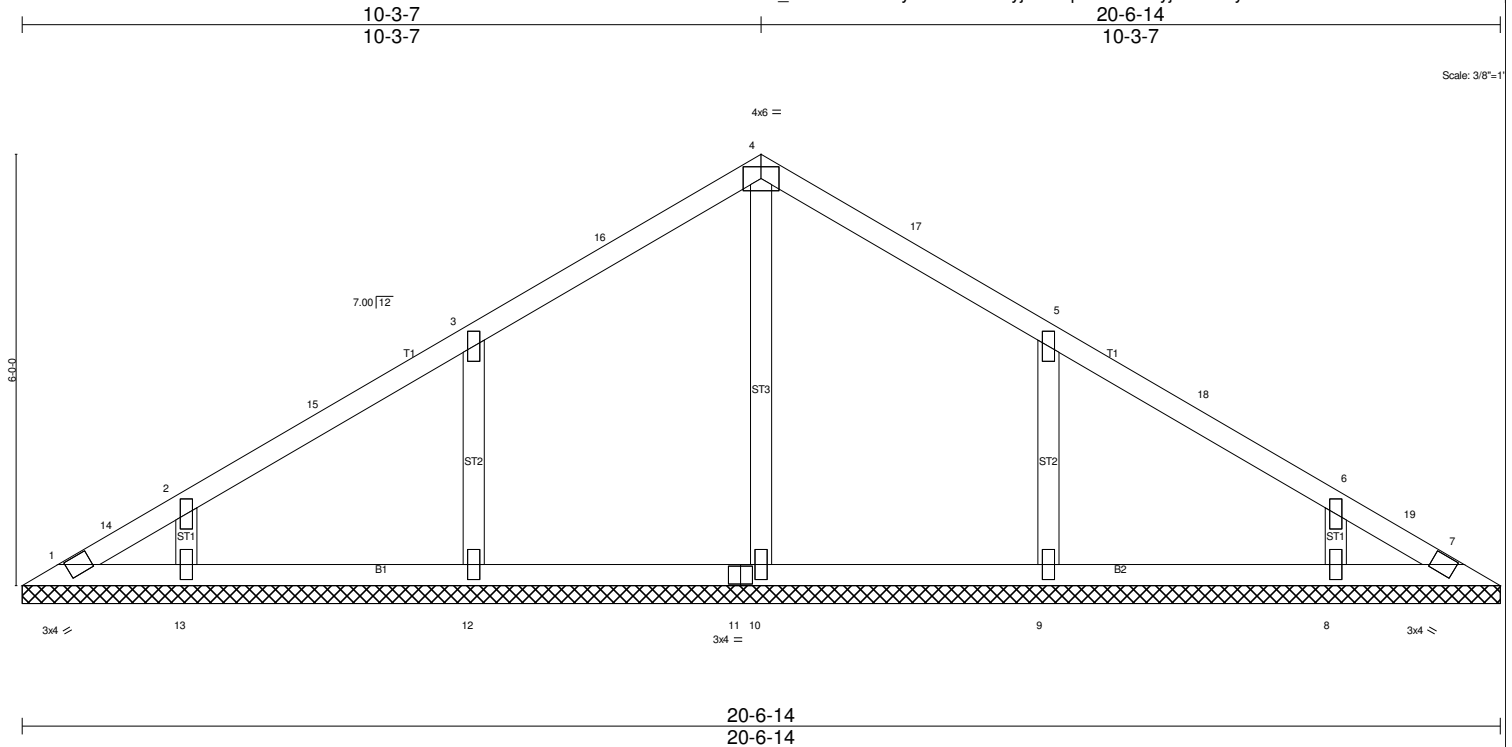
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	V8	GABLE	5	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:26 2016 Page 1
 ID: 2H7GNkAP8Byz5ZPSbBwbyjDeB-q0drM9uNwyjrN04CFyXEZSk3?3wForG0GhhIB2znDOd



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.43 BC 0.10 WB 0.21 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 7 n/a n/a	MT20	197/144
				Weight: 64 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 OTHERS 2x4 SPF No.3	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. All bearings 20-6-14.
 (lb) - Max Horz 1=-167(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 12=-231(LC 9), 13=-189(LC 9), 9=-231(LC 9), 8=-189(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 1=314(LC 19), 7=314(LC 25), 10=388(LC 1), 12=564(LC 2), 13=413(LC 20),
 9=564(LC 3), 8=413(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 4-10=-310/4, 3-12=-482/272, 2-13=-344/226, 5-9=-482/272, 6-8=-344/226

JOINT STRESS INDEX
 1 = 0.42, 2 = 0.31, 3 = 0.31, 4 = 0.79, 5 = 0.31, 6 = 0.31, 7 = 0.42, 8 = 0.31, 9 = 0.31, 10 = 0.31, 11 = 0.27, 12 = 0.31 and 13 = 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); 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 2x5 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 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) 1, 7 except (jt=lb) 12=231, 13=189, 9=231, 8=189.
 - 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
CORE	V9	GABLE	4	1	

Job Reference (optional)

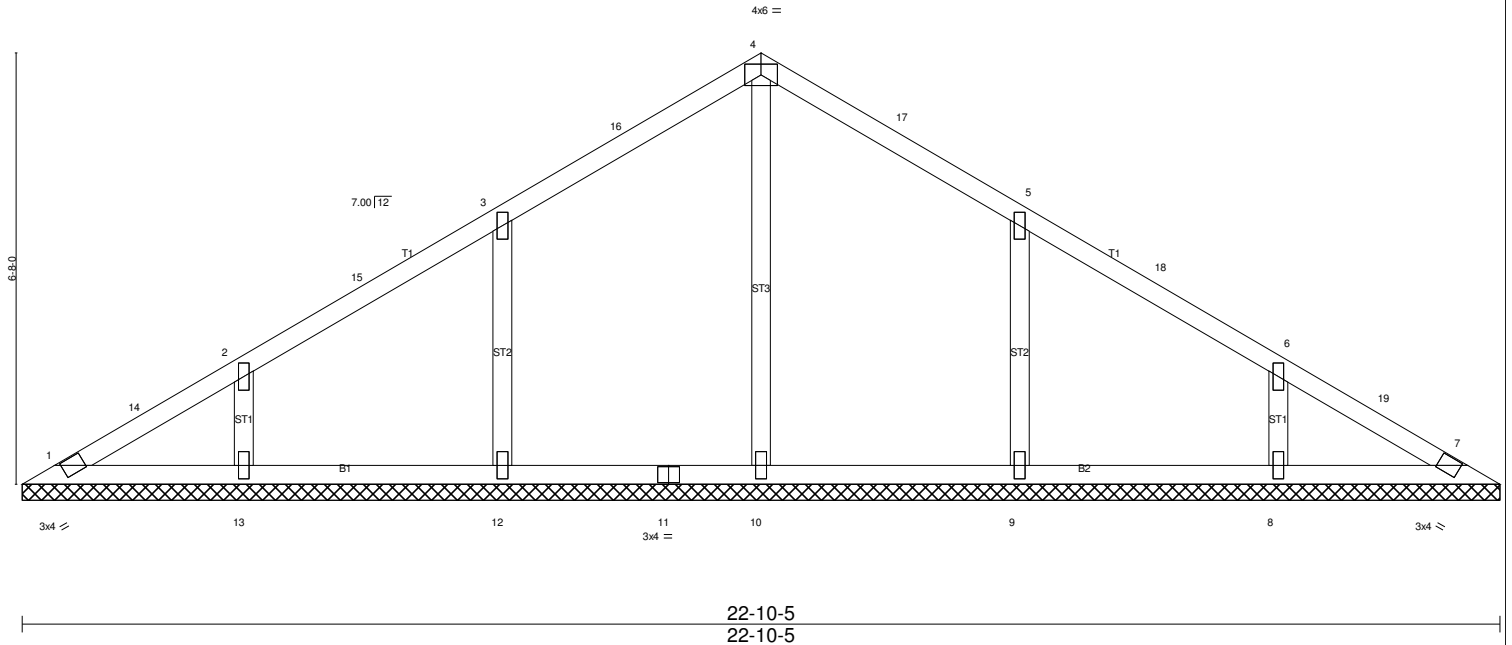
Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:27 2016 Page 1
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11-5-3
11-5-3

22-10-5
11-5-2

Scale = 1.35:6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.43	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.15	Vert(LL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.26	Vert(TL) n/a - n/a 999		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) 0.00 7 n/a n/a	Weight: 74 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SPF No.3	

REACTIONS. All bearings 22-10-5.
 (lb) - Max Horz 1=-187(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 1 except 12=-226(LC 9), 13=-215(LC 9), 9=-226(LC 9), 8=-215(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 1=340(LC 19), 7=340(LC 25), 10=393(LC 1), 12=561(LC 2), 13=435(LC 1),
 9=561(LC 3), 8=435(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 WEBS 4-10=-313/8, 3-12=-483/268, 2-13=-352/243, 5-9=-483/268, 6-8=-352/243

JOINT STRESS INDEX
 1 = 0.61, 2 = 0.31, 3 = 0.31, 4 = 0.80, 5 = 0.31, 6 = 0.31, 7 = 0.61, 8 = 0.31, 9 = 0.31, 10 = 0.31, 11 = 0.26, 12 = 0.31 and 13 = 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); 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 2x5 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 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) 1 except (it=lb) 12=226, 13=215, 9=226, 8=215.
 - 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.

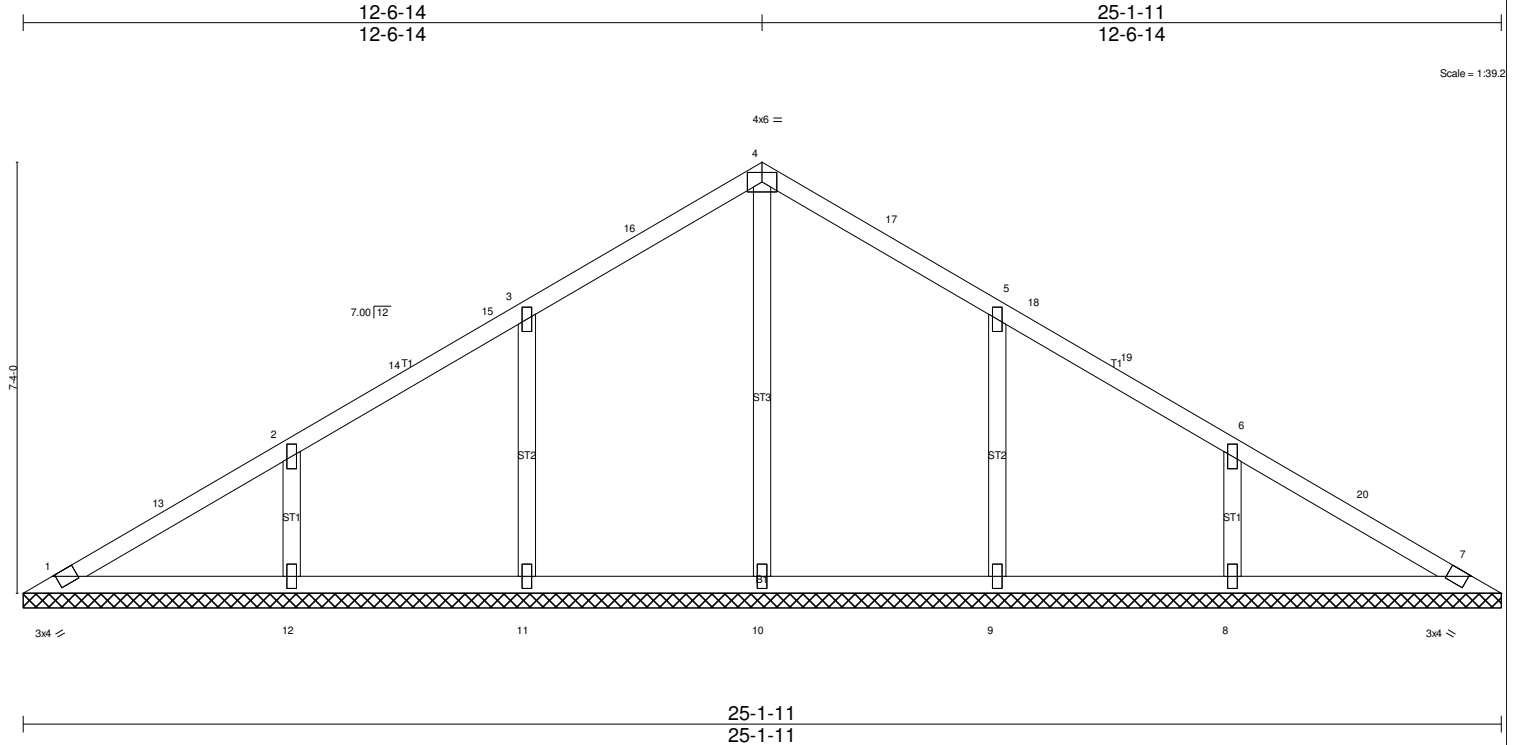
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	V10	GABLE	3	1	

Job Reference (optional)

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7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:28 2016 Page 1
ID:wQPth3IRxIRgCOioZ0DOr0yjDe9-mPlonrveSZzzcJDbNNZietpO8tZ0GjxJj_APgxznDOb



Scale = 1:39.2

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.45 BC 0.21 WB 0.33 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 7 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 83 lb	FT = 4%

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. All bearings 25-1-11.
(lb) - Max Horz 1=-207(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 11=-213(LC 9), 12=-257(LC 9), 9=-213(LC 9), 8=-257(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 1=359(LC 19), 7=359(LC 25), 10=405(LC 1), 11=560(LC 2), 12=520(LC 1),
9=560(LC 3), 8=520(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-10=-320/11, 3-11=-490/258, 2-12=-406/281, 5-9=-490/258, 6-8=-406/281

JOINT STRESS INDEX
1 = 0.71, 2 = 0.31, 3 = 0.31, 4 = 0.83, 5 = 0.31, 6 = 0.31, 7 = 0.71, 8 = 0.31, 9 = 0.31, 10 = 0.31, 11 = 0.31 and 12 = 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); 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 2x5 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 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) 1, 7 except (jt=lb) 11=213, 12=257, 9=213, 8=257.
 - 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
CORE	V11	GABLE	3	1	

Job Reference (optional)

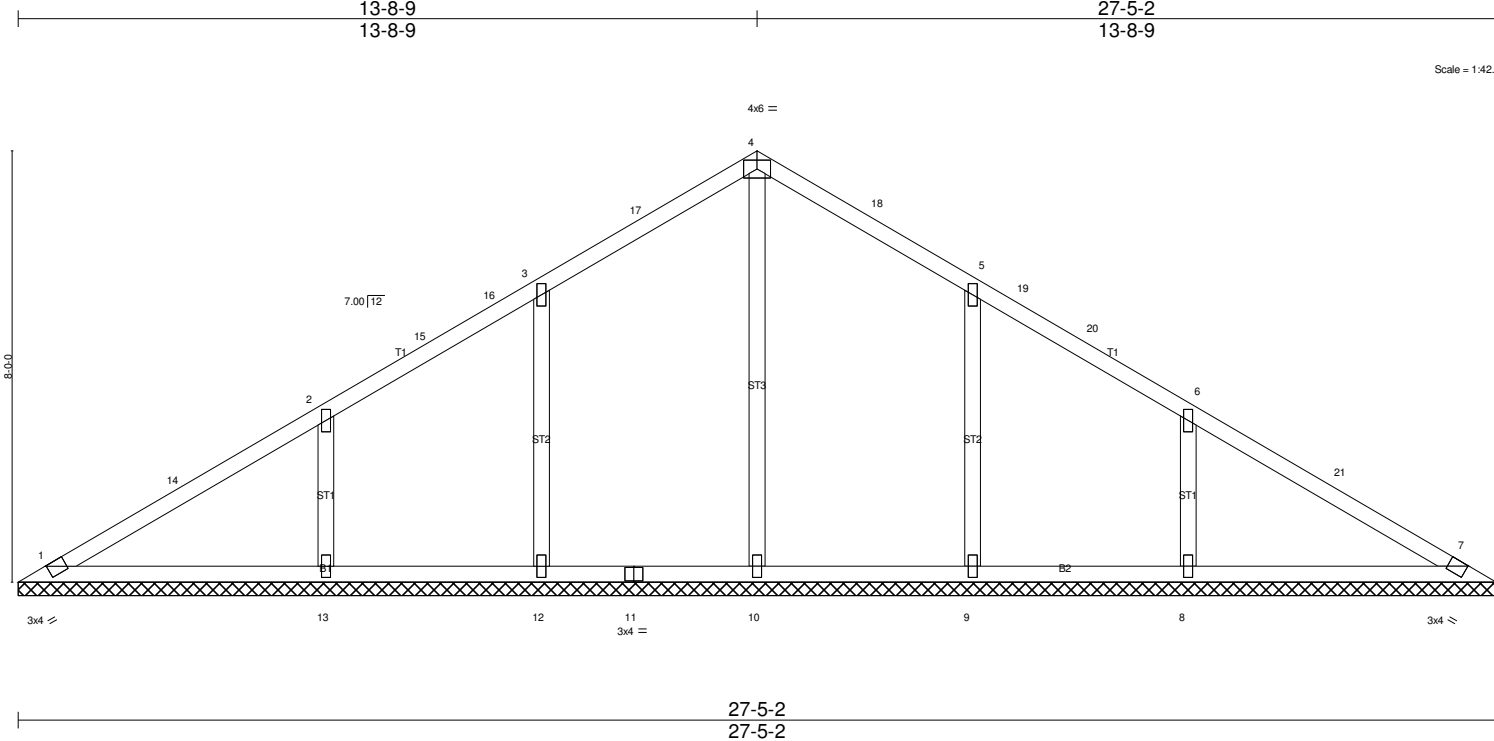


Plate Offsets (X,Y)-- [1:0-0-4,Edge], [7:0-1-12,Edge]

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 0.60 BC 0.27 WB 0.41 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.01 7 n/a n/a	PLATES GRIP MT20 197/144 Weight: 93 lb FT = 4%
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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. All bearings 27-5-2.
 (lb) - Max Horz 1=-226(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 7 except 12=-193(LC 9), 13=-308(LC 9), 9=-193(LC 9), 8=-308(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 1=376(LC 19), 7=376(LC 25), 10=424(LC 1), 12=540(LC 2), 13=623(LC 1),
 9=540(LC 3), 8=623(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-17=-198/255, 4-17=-63/264, 4-18=-58/264, 5-18=-198/255
 WEBS 4-10=-332/14, 3-12=-483/241, 2-13=-478/328, 5-9=-483/241, 6-8=-478/328

JOINT STRESS INDEX
 1 = 0.78, 2 = 0.31, 3 = 0.31, 4 = 0.88, 5 = 0.31, 6 = 0.31, 7 = 0.78, 8 = 0.31, 9 = 0.31, 10 = 0.31, 11 = 0.26, 12 = 0.31 and 13 = 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); 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 2x5 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 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) 1, 7 except (jt=lb) 12=193, 13=308, 9=193, 8=308.
 - 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
CORE	V12	GABLE	2	1	

Job Reference (optional)

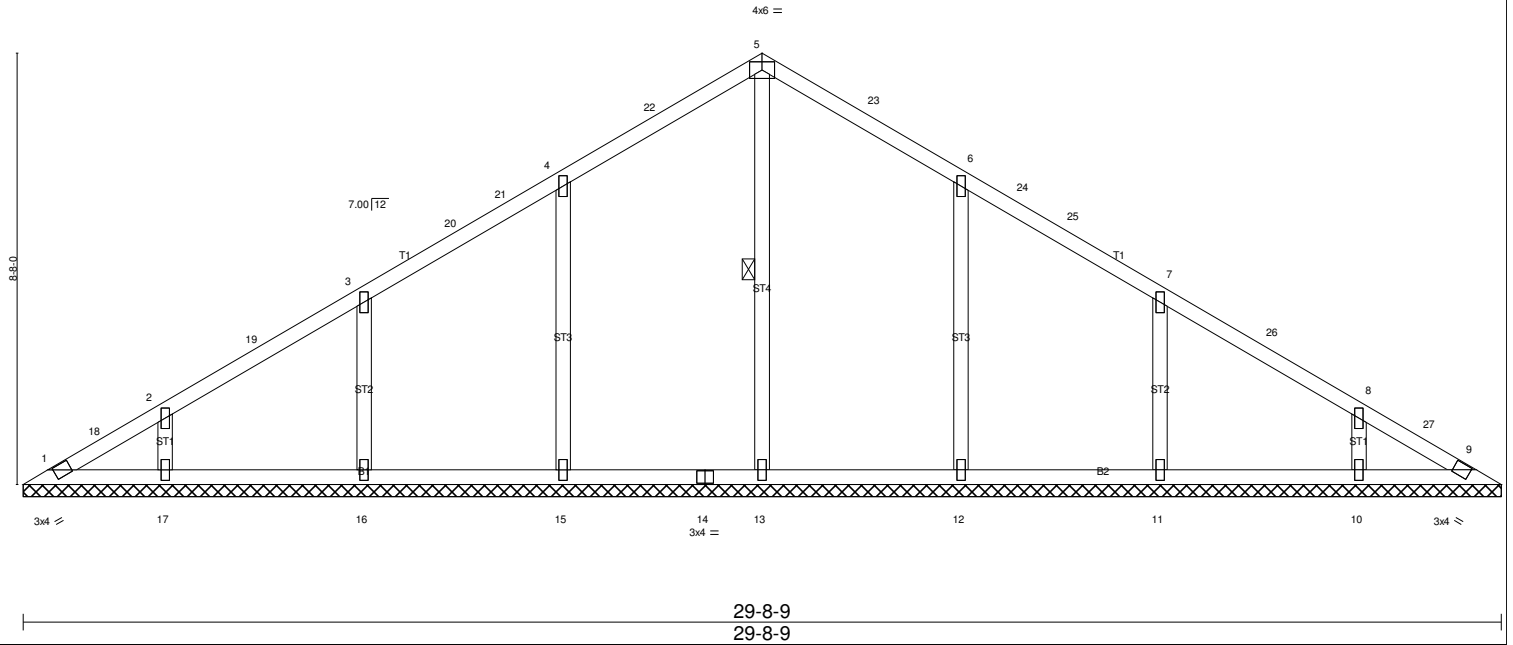
Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:29 2016 Page 1
 ID:wQPth3IRxIRgCOioZ0DOr0yjDe9-FbJ_BwGD15QETonw55xB4MZ7Hxe?9_SyeyoNznDOa

14-10-5
14-10-5

29-8-9
14-10-4

Scale = 1/48.0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.44 BC 0.12 WB 0.40 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.01 9 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 105 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 OTHERS 2x4 SPF No.3	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt 5-13

REACTIONS. All bearings 29-8-9.
 (lb) - Max Horz 1=-246(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 9 except 15=-220(LC 9), 16=-232(LC 9), 17=-198(LC 9), 12=-220(LC 9), 11=-232(LC 9), 10=-198(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 1=328(LC 21), 9=328(LC 29), 13=398(LC 1), 15=612(LC 2), 16=468(LC 1), 17=419(LC 22), 12=612(LC 3), 11=468(LC 1), 10=419(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 4-22=-205/283, 5-22=-67/292, 5-23=-59/292, 6-23=-205/283
 WEBS 5-13=-317/19, 4-15=-533/259, 3-16=-387/274, 2-17=-348/229, 6-12=-533/259, 7-11=-387/274, 8-10=-348/229

JOINT STRESS INDEX
 1 = 0.52, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.82, 6 = 0.31, 7 = 0.31, 8 = 0.31, 9 = 0.52, 10 = 0.31, 11 = 0.31, 12 = 0.31, 13 = 0.31, 14 = 0.26, 15 = 0.31, 16 = 0.31 and 17 = 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); 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 2x5 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 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) 1, 9 except (jt=lb) 15=220, 16=232, 17=198, 12=220, 11=232, 10=198.
 - 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.

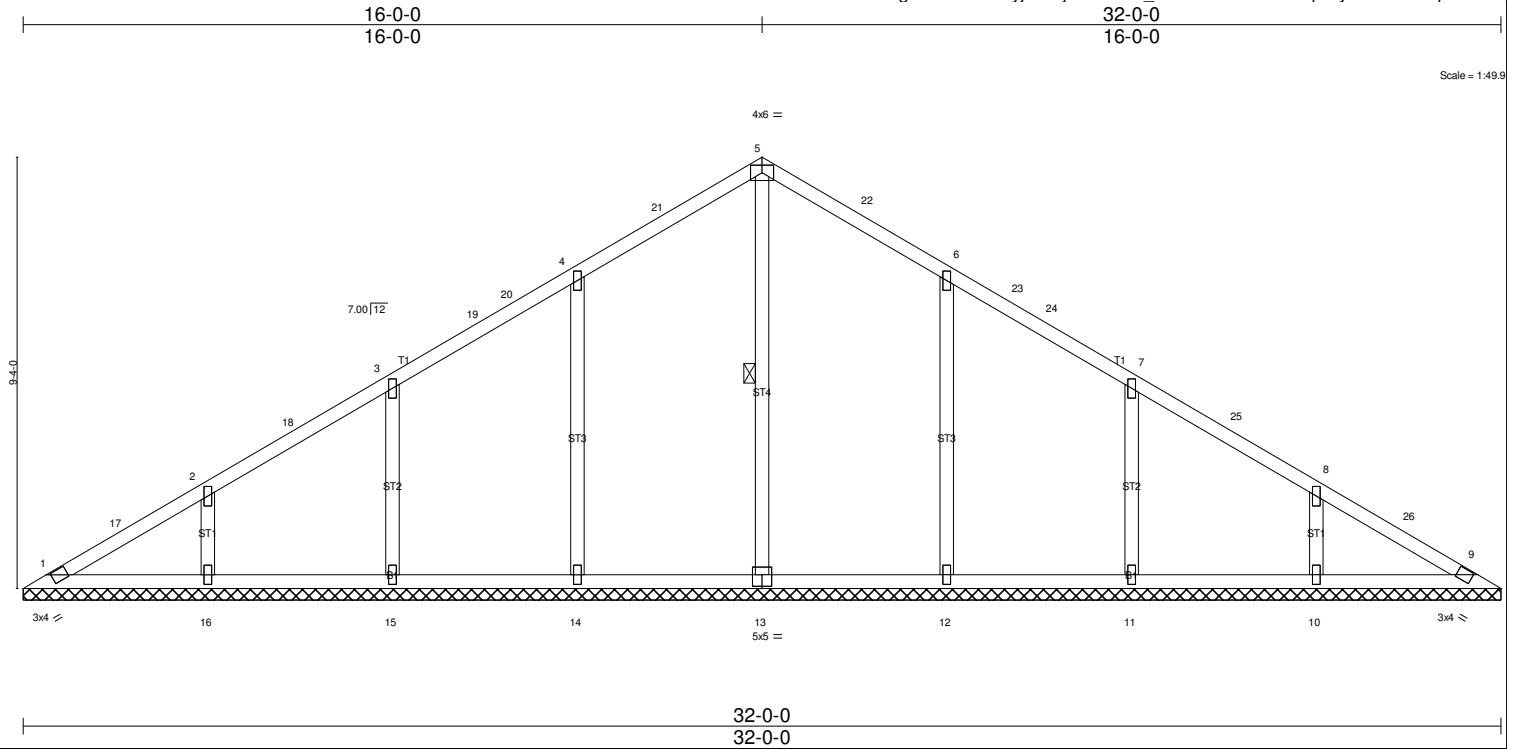
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	V13	GABLE	2	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:30 2016 Page 1
 ID:wQPth3lRrIRgCOioZ0DOr0yjDe9-jotMCWxu_ADHsdNzUocAkivkqhGykaVbBifWKpznDOZ



Scale = 1/48.9

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.44	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.18	Vert(LL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.52	Vert(TL) n/a - n/a 999		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) 0.01 9 n/a n/a		
				Weight: 116 lb	FT = 4%

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.
 WEBS 1 Row at midpt 5-13

REACTIONS. All bearings 32-0-0.
 (lb) - Max Horz 1=-266(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 1 except 14=-221(LC 9), 15=-225(LC 9), 16=-234(LC 9), 12=-221(LC 9), 11=-225(LC 9),
 10=-234(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 1=349(LC 21), 9=349(LC 29), 13=396(LC 1), 14=635(LC 2), 15=452(LC 1),
 16=477(LC 2), 12=635(LC 3), 11=452(LC 1), 10=477(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 4-21=-208/308, 5-21=-71/316, 5-22=-59/316, 6-22=-208/308
 WEBS 5-13=-317/23, 4-14=-554/260, 3-15=-377/268, 2-16=-377/259, 6-12=-554/260, 7-11=-377/268, 8-10=-377/259

JOINT STRESS INDEX
 1 = 0.71, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.81, 6 = 0.31, 7 = 0.31, 8 = 0.31, 9 = 0.71, 10 = 0.31, 11 = 0.31, 12 = 0.31, 13 = 0.29, 14 = 0.31, 15 = 0.31 and 16 = 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) 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 2x5 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 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) 1 except (jt=lb) 14=221, 15=225, 16=234, 12=221, 11=225, 10=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
CORE	V14	GABLE	1	1	

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:31 2016 Page 1
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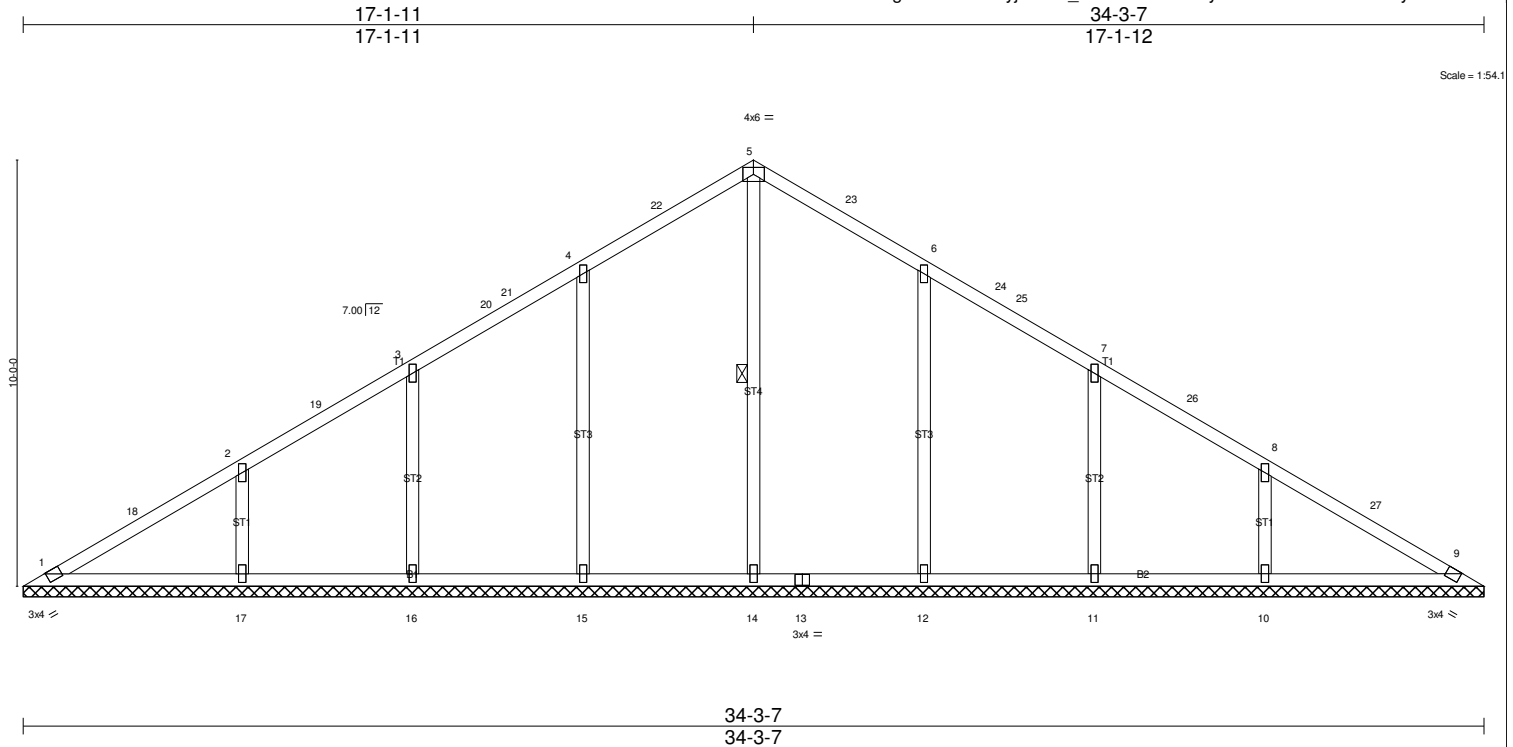


Plate Offsets (X,Y)-- [1:0-0-4,Edge], [9:0-1-12,Edge]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.53 BC 0.24 WB 0.65 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.01 9 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 126 lb	FT = 4%

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.
 WEBS 1 Row at midpt 5-14

REACTIONS. All bearings 34-3-7.
 (lb) - Max Horz 1=-285(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 1 except 15=-225(LC 9), 16=-210(LC 9), 17=-280(LC 9), 12=-225(LC 9), 11=-210(LC 9), 10=-280(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 1=367(LC 21), 9=367(LC 29), 14=393(LC 1), 15=661(LC 2), 16=424(LC 23), 17=570(LC 2), 12=661(LC 3), 11=424(LC 27), 10=570(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 4-22=-212/332, 5-22=-75/341, 5-23=-58/341, 6-23=-212/332
 WEBS 5-14=-316/27, 4-15=-576/263, 3-16=-357/256, 2-17=-441/302, 6-12=-576/263, 7-11=-357/256, 8-10=-441/302

JOINT STRESS INDEX
 1 = 0.71, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.81, 6 = 0.31, 7 = 0.31, 8 = 0.31, 9 = 0.71, 10 = 0.31, 11 = 0.31, 12 = 0.31, 13 = 0.26, 14 = 0.31, 15 = 0.31, 16 = 0.31 and 17 = 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) 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 2x5 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 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) 1 except (jt=lb) 15=225, 16=210, 17=280, 12=225, 11=210, 10=280.
 - 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.

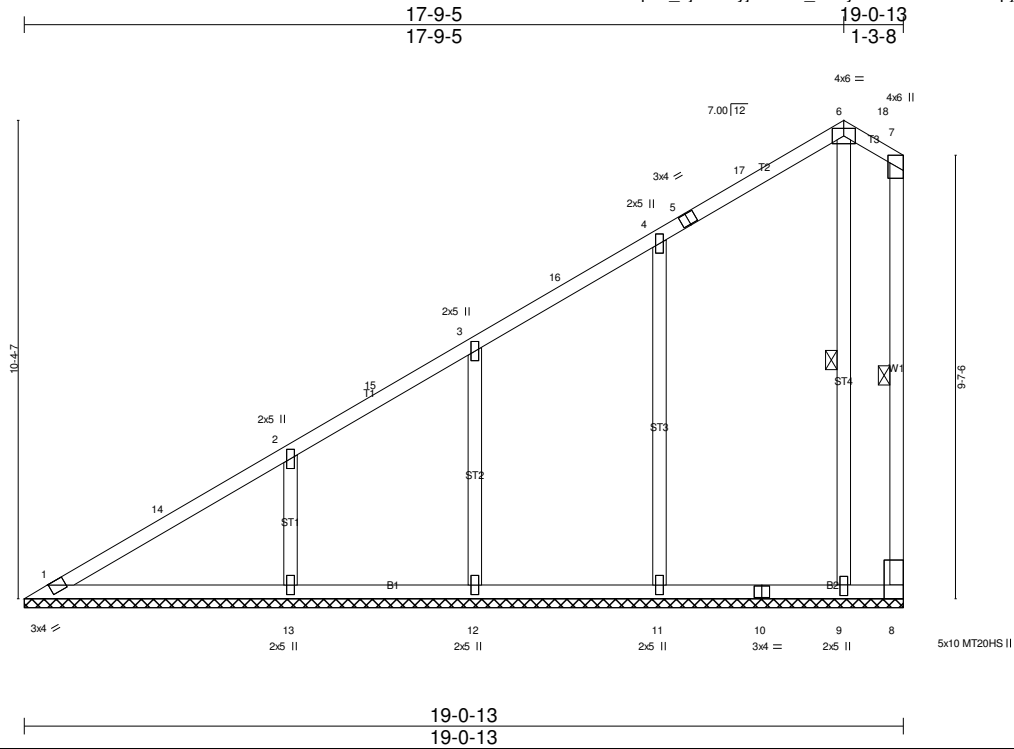
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
CORE	V14A	GABLE	1	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 Mitek Industries, Inc. Mon Feb 08 10:05:32 2016 Page 1
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Scale = 1:50.0

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.73 BC 0.35 WB 0.50 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) -0.01 8 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0				Weight: 86 lb	FT = 4%
BCLL 0.0					
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, 6-9

REACTIONS. All bearings 19-0-13.
(lb) - Max Horz 1=503(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1 except 8=-116(LC 16), 9=-108(LC 6), 11=-226(LC 9), 12=-199(LC 9), 13=-309(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 8=272(LC 18), 1=372(LC 19), 9=380(LC 23), 11=490(LC 2), 12=415(LC 21), 13=629(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-14=-407/214, 2-14=-396/226, 2-15=-313/153, 3-15=-304/168, 3-16=-277/124, 4-16=-261/133, 6-18=-306/269, 7-18=-308/265, 7-8=-319/261
WEBS 6-9=-317/414, 4-11=-401/277, 3-12=-345/243, 2-13=-483/330

JOINT STRESS INDEX
1 = 0.79, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.61, 6 = 0.91, 7 = 0.94, 8 = 0.82, 9 = 0.34, 10 = 0.26, 11 = 0.31, 12 = 0.31 and 13 = 0.31

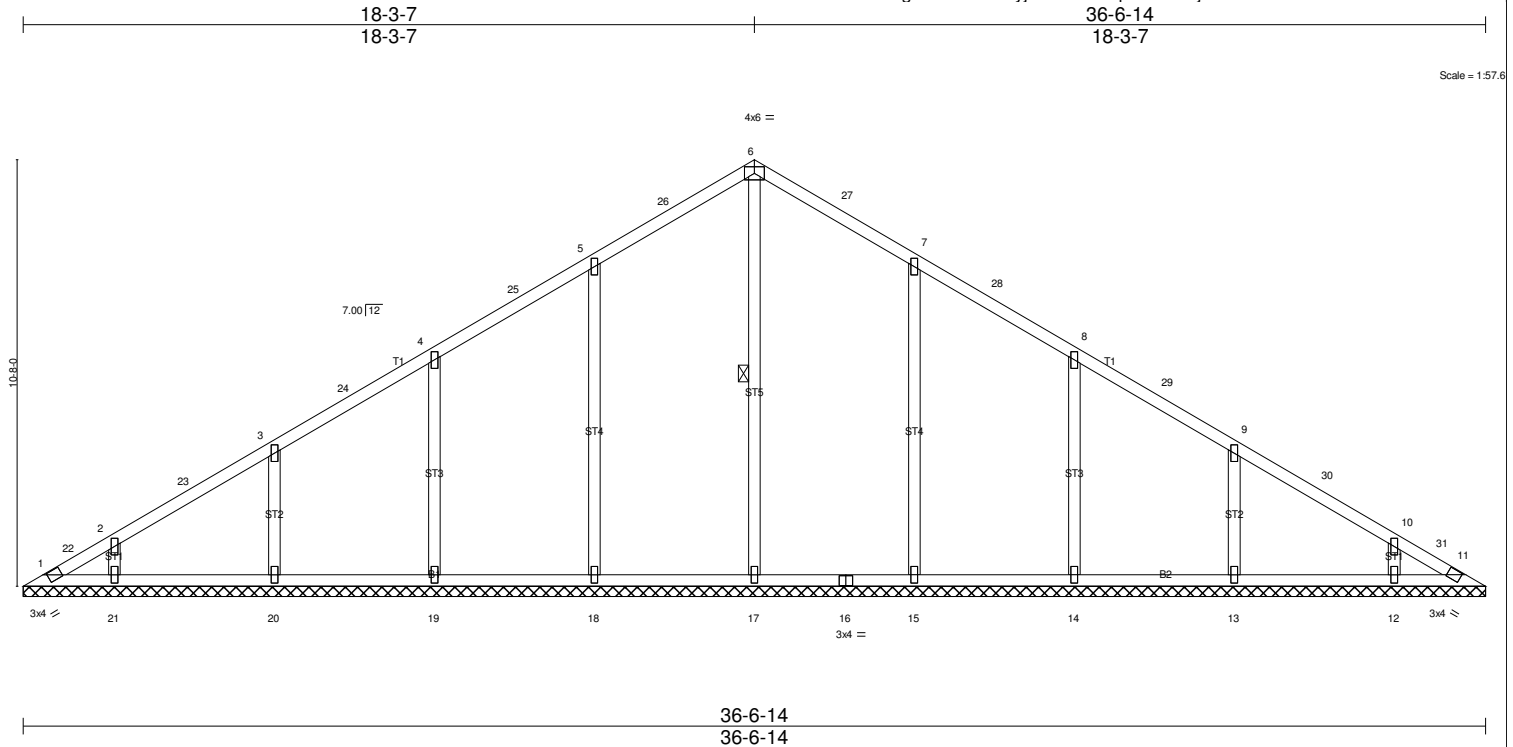
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=2ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads 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 MT20 plates unless otherwise indicated.
 - 7) Gable requires continuous bottom chord bearing.
 - 8) Gable studs spaced at 4-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=116, 9=108, 11=226, 12=199, 13=309.
 - 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
CORE	V15	GABLE	1	1	

Job Reference (optional)

Universal Forest Products 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:33 2016 Page 1
 ID:wQPth3lRxlRgCOioZ0DOr0yjDe9-7NYVqYzmH5csj46Y9w9uLwXF8uJuxt12tGtAx8znDOW



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.43 BC 0.10 WB 0.78 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.01 11 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 139 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 OTHERS 2x4 SPF No.3	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. WEBS 1 Row at midpt 6-17

REACTIONS. All bearings 36-6-14.
 (lb) - Max Horz 1=-305(LC 7)
 Max Uplift All uplift 100 lb or less at joint(s) 11 except 1=-105(LC 7), 18=-220(LC 9), 19=-225(LC 9), 20=-231(LC 9), 21=-189(LC 9), 15=-220(LC 9), 14=-225(LC 9), 13=-231(LC 9), 12=-189(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 1=314(LC 33), 17=396(LC 1), 18=669(LC 2), 19=454(LC 2), 20=470(LC 1), 21=413(LC 24), 15=669(LC 3), 14=454(LC 3), 13=470(LC 1), 12=413(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 5-26=-215/359, 6-26=-79/367, 6-27=-59/367, 7-27=-215/359
 WEBS 6-17=-316/31, 5-18=-589/260, 4-19=-375/265, 3-20=-388/272, 2-21=-345/225, 7-15=-589/260, 8-14=-375/265, 9-13=-388/272, 10-12=-345/225

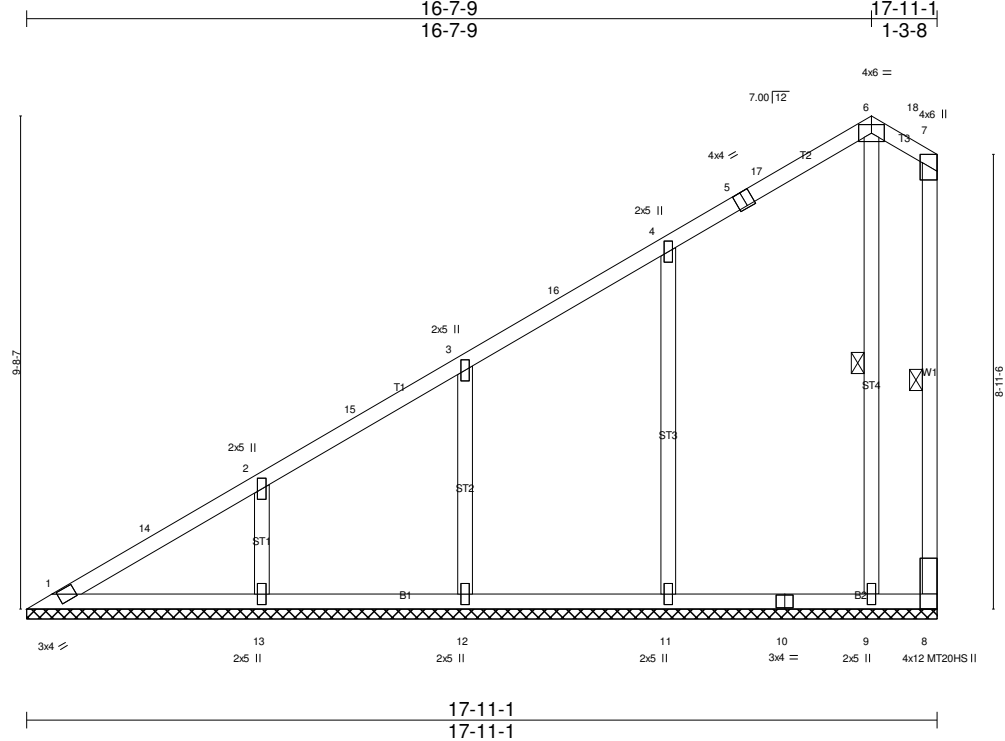
JOINT STRESS INDEX
 1 = 0.42, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.31, 6 = 0.82, 7 = 0.31, 8 = 0.31, 9 = 0.31, 10 = 0.31, 11 = 0.42, 12 = 0.31, 13 = 0.31, 14 = 0.31, 15 = 0.31, 16 = 0.26, 17 = 0.31, 18 = 0.31, 19 = 0.31, 20 = 0.31 and 21 = 0.31

- 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) 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 2x5 MT20 unless otherwise indicated.
 - 6) Gable requires continuous bottom chord bearing.
 - 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) 11 except (jt=lb) 1=105, 18=220, 19=225, 20=231, 21=189, 15=220, 14=225, 13=231, 12=189.
 - 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
CORE	V15A	GABLE	1	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:34 2016 Page 1
 ID:OczFuPm3i3ZXqYH_7jkdNDyjDe8-bZ6t1u_P2PkKEhkjeg7u83NxlbtgQAB6wdjUbznDOV



Scale = 1/45.3

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.62 BC 0.30 WB 0.41 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) -0.00 8 n/a n/a	MT20 MT20HS	197/144 148/108
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 79 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2 BOT CHORD 2x4 SPF No.2 WEBS 2x4 SPF No.3 OTHERS 2x4 SPF No.3	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, 6-9

REACTIONS. All bearings 17-11-1.
 (lb) - Max Horz 1=469(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1 except 8=119(LC 16), 9=107(LC 6), 11=223(LC 9), 12=217(LC 9), 13=258(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 8=272(LC 18), 1=355(LC 19), 9=382(LC 23), 11=479(LC 2), 12=433(LC 1), 13=526(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-14=386/204, 2-14=377/214, 2-15=301/152, 3-15=292/168, 3-16=262/120, 6-18=277/243, 7-18=280/240, 7-8=284/229
 WEBS 6-9=319/373, 4-11=394/273, 3-12=363/259, 2-13=410/282

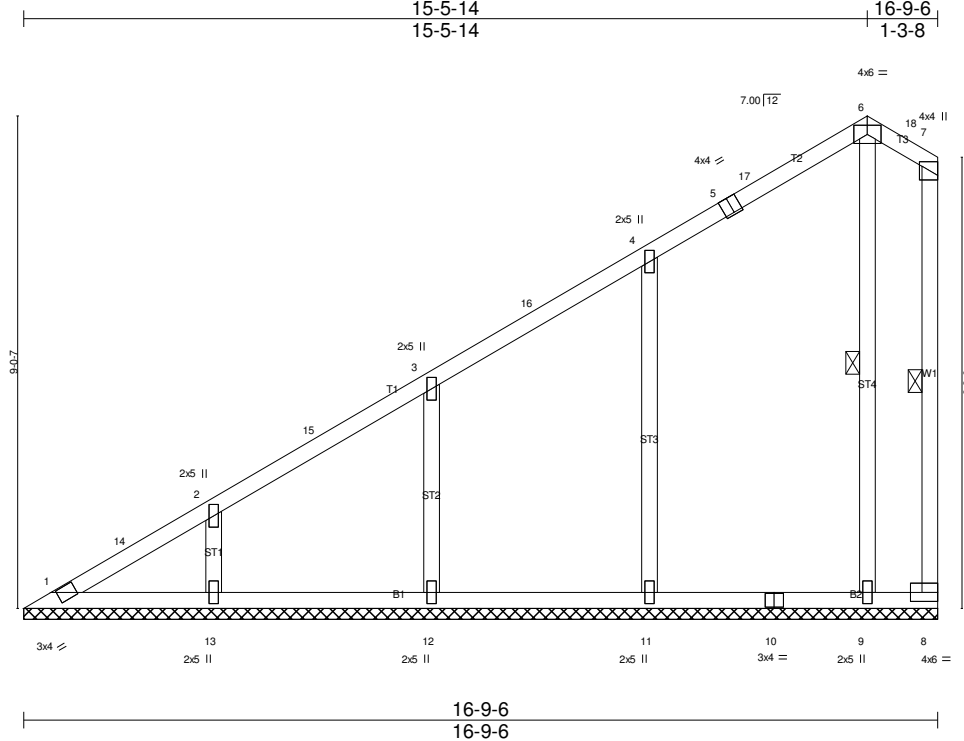
JOINT STRESS INDEX
 1 = 0.53, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.74, 6 = 0.92, 7 = 0.80, 8 = 0.89, 9 = 0.31, 10 = 0.26, 11 = 0.31, 12 = 0.31 and 13 = 0.31

- 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 MT20 plates unless otherwise indicated.
 - 7) Gable requires continuous bottom chord bearing.
 - 8) Gable studs spaced at 4-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 8=119, 9=107, 11=223, 12=217, 13=258.
 - 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
CORE	V16	GABLE	1	1	

Universal Forest Products
 Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:34 2016 Page 1
 ID:OczFuPm3i3ZXqYH_7jkdNDyjDe8-bZ6t1u_P2PkikEhkjeg7u83OUlbagRLB6wdjUbznDOV



Scale = 1/42.3

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

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.52 BC 0.26 WB 0.33 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) -0.00 8 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 72 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3	WEBS 1 Row at midpt 7-8, 6-9
OTHERS 2x4 SPF No.3	

REACTIONS. All bearings 16-9-6.
 (lb) - Max Horz 1=435(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1 except 8=-121(LC 16), 9=-106(LC 6), 11=-222(LC 9), 12=-228(LC 9), 13=-216(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 8=272(LC 18), 1=336(LC 19), 9=385(LC 16), 11=473(LC 2), 12=457(LC 1), 13=441(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-14=-365/196, 2-14=-354/203, 2-15=-294/157, 3-15=-286/166, 6-18=-250/219, 7-18=-253/215, 7-8=-282/199
 WEBS 6-9=-320/334, 4-11=-390/271, 3-12=-378/268, 2-13=-353/244

JOINT STRESS INDEX
 1 = 0.37, 2 = 0.31, 3 = 0.31, 4 = 0.31, 5 = 0.74, 6 = 0.92, 7 = 0.77, 8 = 0.88, 9 = 0.31, 10 = 0.26, 11 = 0.31, 12 = 0.31 and 13 = 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) 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 except (jt=lb) 8=121, 9=106, 11=222, 12=228, 13=216.
 - 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
CORE	V17	GABLE	1	1	

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:35 2016 Page 1
 ID:OczFuPm3i3ZXqYH_7jkdNDyjDe8-3lgFFE_1pjsZyOGxHLBMLRcbUiySPt4KKaMH01znDOU

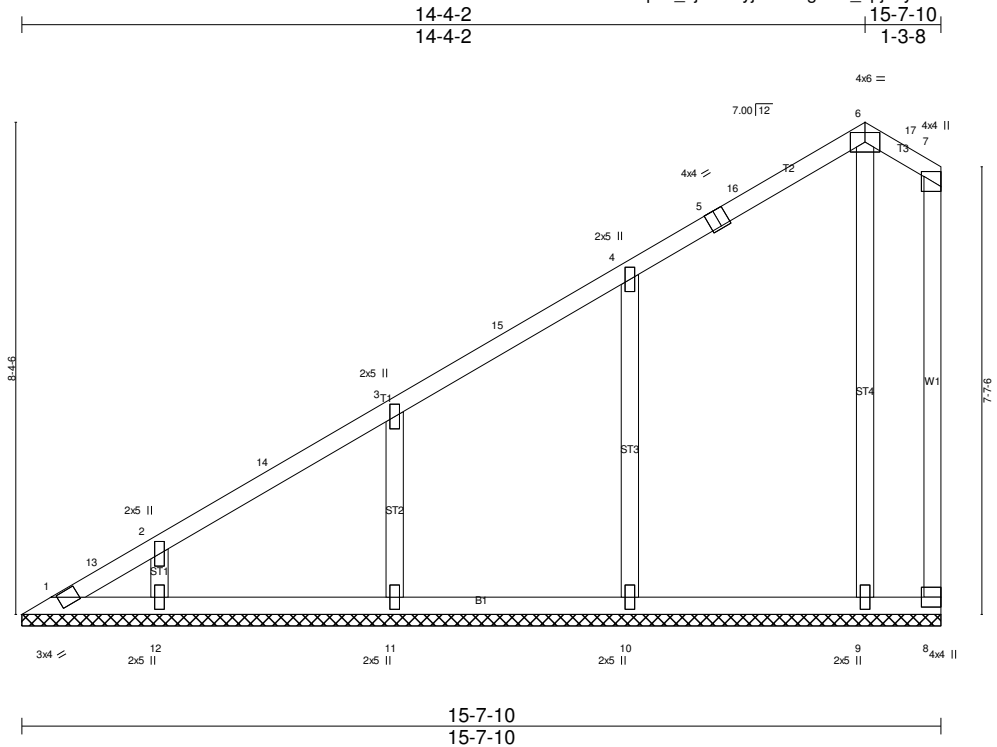


Plate Offsets (X,Y)-- [5:0-2-0,Edge], [8:Edge,0-3-8]

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 0.44 BC 0.22 WB 0.43 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) -0.00 8 n/a n/a	PLATES GRIP MT20 197/144 Weight: 66 lb FT = 4%
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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 15-7-10.
 (lb) - Max Horz 1=400(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1 except 8=-123(LC 16), 9=-103(LC 6), 10=-223(LC 9), 11=-232(LC 9), 12=-189(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 8=272(LC 18), 1=311(LC 19), 9=387(LC 16), 10=470(LC 2), 11=466(LC 1), 12=414(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-13=-348/191, 2-13=-342/195, 2-14=-287/154, 3-14=-278/163, 7-8=-283/170
 WEBS 6-9=-321/296, 4-10=-388/271, 3-11=-384/271, 2-12=-345/225

JOINT STRESS INDEX
 1 = 0.34, 2 = 0.15, 3 = 0.17, 4 = 0.17, 5 = 0.74, 6 = 0.93, 7 = 0.64, 8 = 0.92, 9 = 0.17, 10 = 0.16, 11 = 0.16 and 12 = 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) 1 except (it=lb) 8=123, 9=103, 10=223, 11=232, 12=189.
 - 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
CORE	V18	GABLE	1	1	Job Reference (optional)

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:36 2016 Page 1
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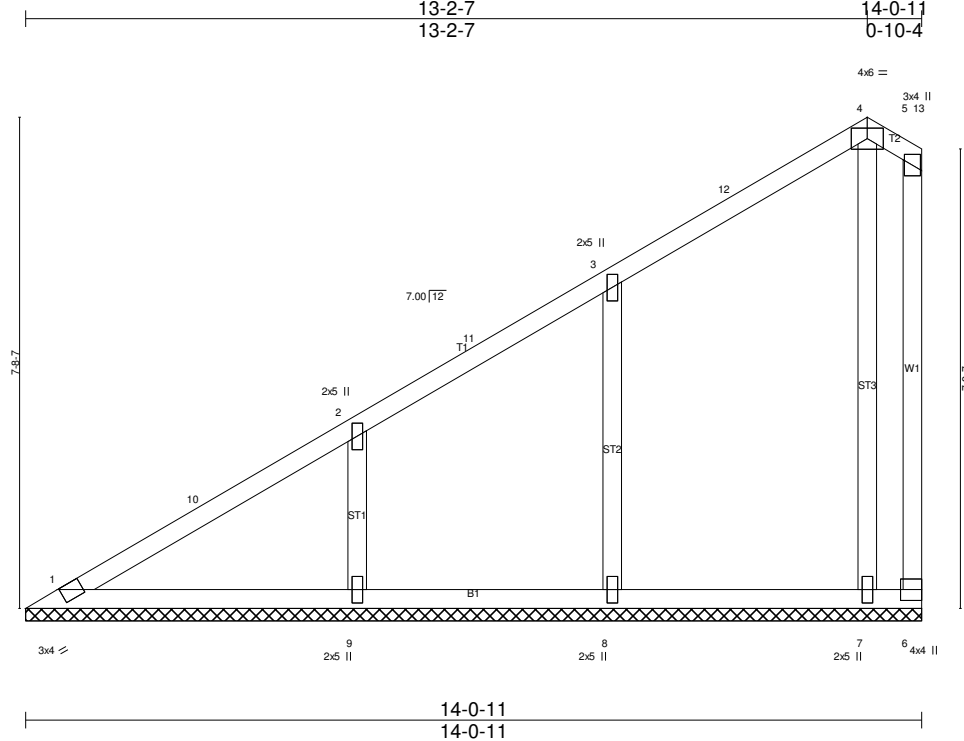


Plate Offsets (X,Y)-- [1:0-0-4,Edge], [6:Edge,0-3-8]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.54 BC 0.24 WB 0.42 (Matrix)	in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) -0.00 6 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr YES				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 58 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SPF No.3	
OTHERS 2x4 SPF No.3	

REACTIONS. All bearings 14-0-11.
 (lb) - Max Horz 1=372(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 1 except 6=-191(LC 15), 7=-120(LC 9), 8=-204(LC 9), 9=-284(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) 6 except 1=364(LC 18), 7=442(LC 15), 8=437(LC 2), 9=570(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-10=-293/151, 2-10=-283/162, 5-6=-257/175
 WEBS 4-7=-371/304, 3-8=-371/255, 2-9=-440/304

JOINT STRESS INDEX
 1 = 0.72, 2 = 0.19, 3 = 0.16, 4 = 0.94, 5 = 0.82, 6 = 0.87, 7 = 0.18, 8 = 0.15 and 9 = 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) 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 except (jt=lb) 6=191, 7=120, 8=204, 9=284.
 - 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
CORE	V19	GABLE	1	1	Job Reference (optional)

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:36 2016 Page 1
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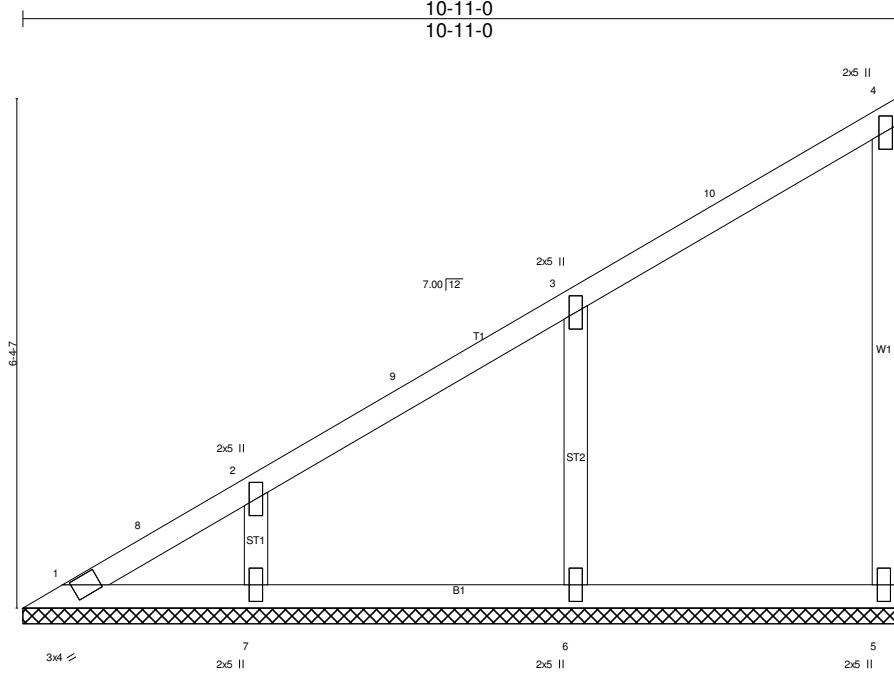


Plate Offsets (X,Y)-- [4:0-2-8,0-0-12]

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	Plate Grip DOL 1.15	TC 0.43	Vert(LL) n/a - n/a 999	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.12	Vert(TL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.17	Horz(TL) 0.00 5 n/a n/a		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)		Weight: 38 lb	FT = 4%

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 10-11-0.
 (lb) - Max Horz 1=332(LC 9)
 Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 6=238(LC 9), 7=198(LC 9)
 Max Grav All reactions 250 lb or less at joint(s) except 1=327(LC 17), 5=355(LC 16), 6=562(LC 2), 7=418(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-8=-349/92, 2-8=-340/98, 4-5=-321/105
 WEBS 3-6=-486/287, 2-7=-348/226

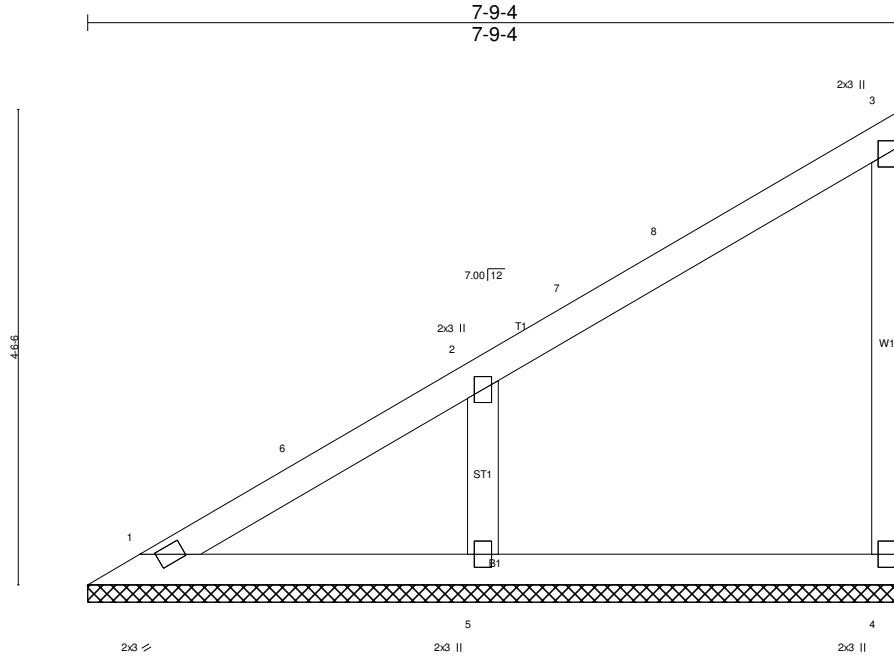
JOINT STRESS INDEX
 1 = 0.52, 2 = 0.15, 3 = 0.21, 4 = 0.86, 5 = 0.51, 6 = 0.17 and 7 = 0.13

- 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); 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, 5 except (jt=lb) 6=238, 7=198.
 - 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
CORE	V20	GABLE	1	1	Job Reference (optional)

Universal Forest Products
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:05:37 2016 Page 1
 ID:Wrij22jYeq35Lx_DuughDNyjDeC-08o?gw0HLK6HBiPJomEqWmhw9VgftscdourN4vznDOS



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0)	2-0-0 Plate Grip DOL 1.15	TC 0.50	in (loc) l/defl L/d	MT20	197/144
TCDL 7.0	Lumber DOL 1.15	BC 0.11	Vert(LL) n/a - n/a 999		
BCLL 0.0	Rep Stress Incr YES	WB 0.11	Vert(TL) n/a - n/a 999		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) 0.00 n/a n/a	Weight: 25 lb	FT = 4%

LUMBER-	BRACING-
TOP CHORD 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SPF No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SPF No.3	
OTHERS 2x4 SPF No.3	

REACTIONS. (lb/size) 1=128/7-9-4, 4=172/7-9-4, 5=507/7-9-4
 Max Horz 1=230(LC 9)
 Max Uplift 4=-85(LC 9), 5=-250(LC 9)
 Max Grav 1=338(LC 16), 4=351(LC 15), 5=547(LC 2)

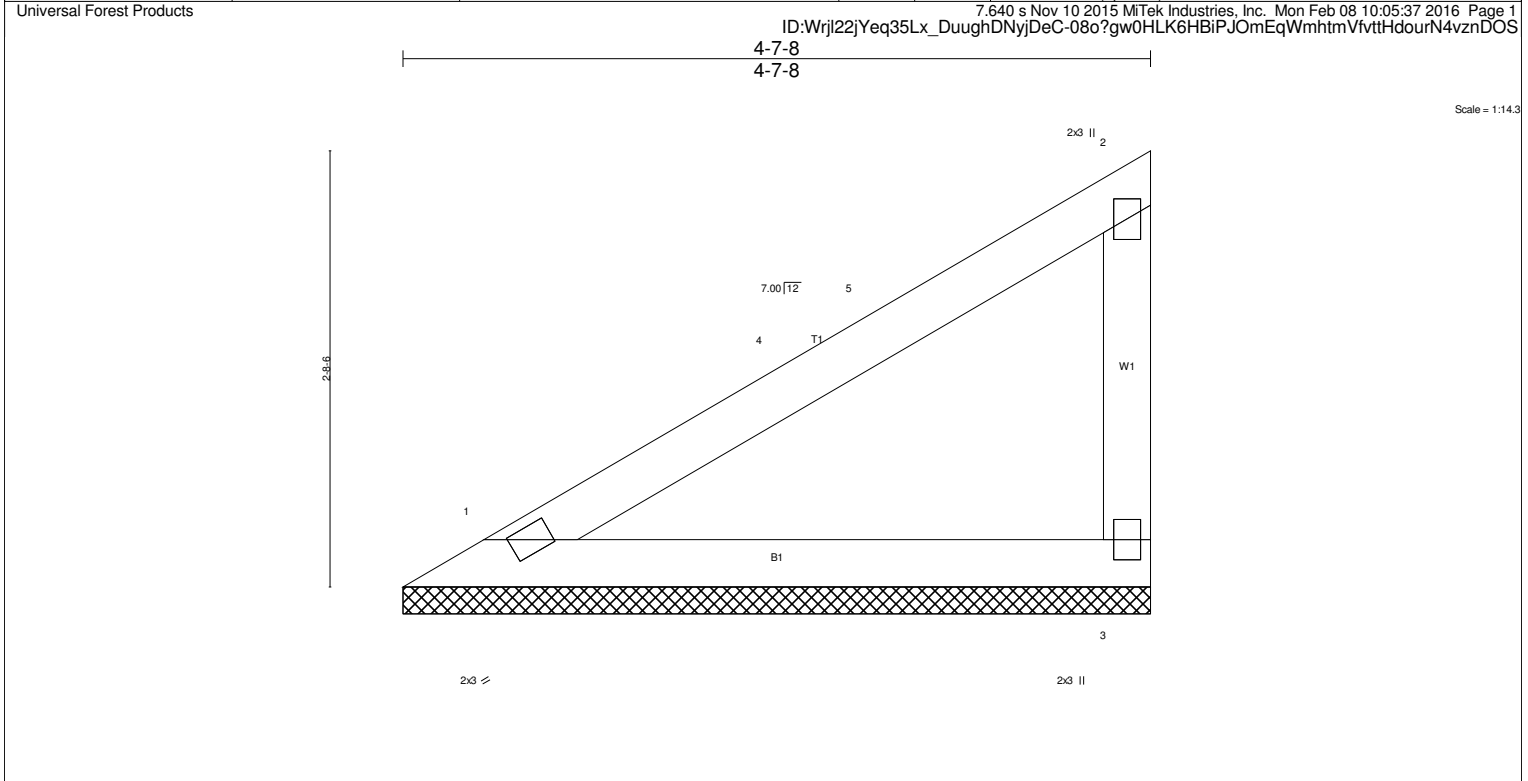
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 3-4=-321/100
 WEBS 2-5=-458/294

JOINT STRESS INDEX
 1 = 0.22, 2 = 0.29, 3 = 0.27, 4 = 0.17 and 5 = 0.27

- 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); 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) 5=250.
 - 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
CORE	V21	GABLE	1	1	Job Reference (optional)



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 0.65 BC 0.16 WB 0.00 (Matrix)	DEFL. in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 n/a n/a	PLATES GRIP MT20 197/144 Weight: 13 lb FT = 4%
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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 4-7-8 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS. (lb/size) 1=225/4-7-8, 3=225/4-7-8
 Max Horz 1=128(LC 9)
 Max Uplift 1=-36(LC 9), 3=-111(LC 9)
 Max Grav 1=367(LC 15), 3=367(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-328/130

JOINT STRESS INDEX
 1 = 0.17, 2 = 0.28 and 3 = 0.18

- 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); 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 except (jt=lb) 3=111.
 - 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