

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

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 0.74 BC 0.19 WB 0.26 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.02 6 >999 360 Vert(TL) -0.03 6 >999 240 Horz(TL) 0.01 5 n/a n/a	MT20	197/144
TCDL 7.0	Rep Stress Incr NO				
BCLL 0.0	Code IBC2009/TPI2007				
BCDL 10.0				Weight: 43 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 2=652/0-5-8, 5=594/Mechanical
Max Horz 2=152(LC 6)
Max Uplift 2=-443(LC 9), 5=-316(LC 9)
Max Grav 2=707(LC 2), 5=691(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-7=-804/278, 3-7=-782/284, 4-5=-345/159
BOT CHORD 2-6=-297/713, 5-6=-297/713
WEBS 3-5=-772/363

JOINT STRESS INDEX
2 = 0.78, 2 = 0.00, 3 = 0.31, 4 = 0.19, 5 = 0.36 and 6 = 0.12

- 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 20.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
 - 5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=443, 5=316.
 - 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) 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

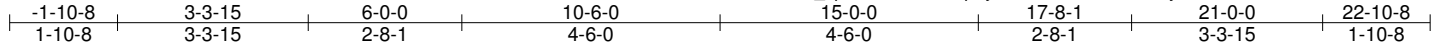
- 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-2=-94
Trapezoidal Loads (plf)
Vert: 2=-0(F=10, B=10)-to-5=-42(F=-11, B=-11), 2=-5(F=44, B=44)-to-4=-197(F=-51, B=-51)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
GARAGES	GG1	ROOF TRUSS	4	1	

Job Reference (optional)

Universal Forest Products

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 ID:uw6V_5puL89lx7D9PTIzpZyi2GV-MhobBflnfwfWECytYF1TXR08du06bkUOmvIWi7znCzh



Scale = 1/40.1

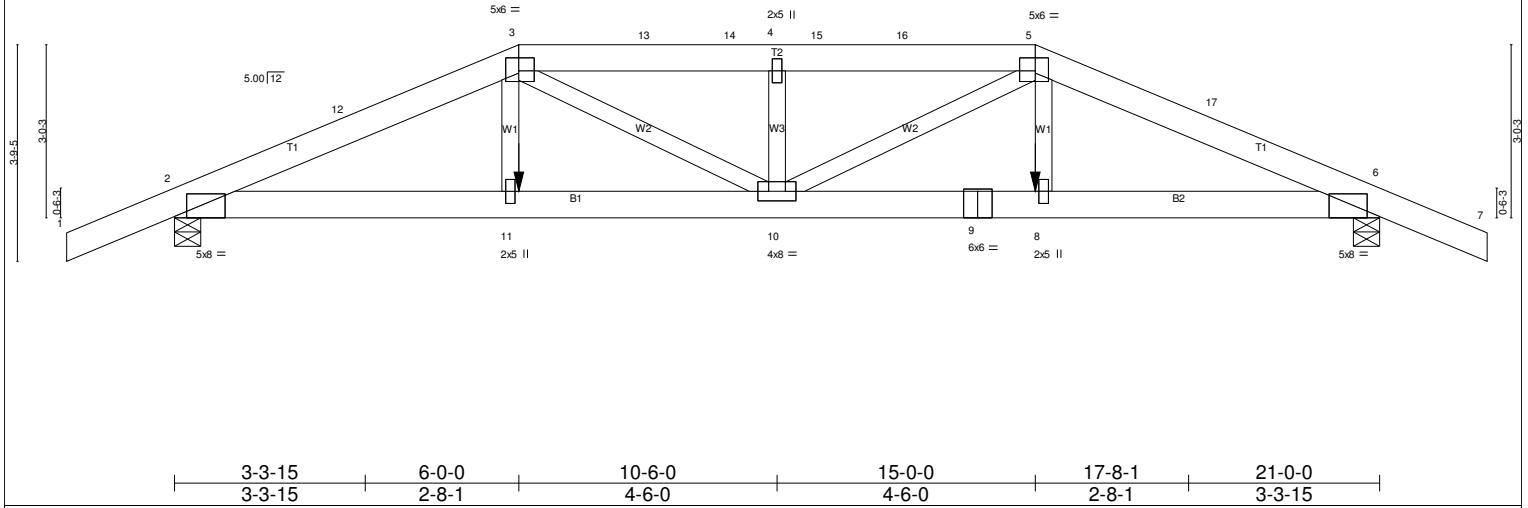


Plate Offsets (X,Y)-- [2:0-2-9,Edge], [3:0-3-4,0-2-12], [5:0-3-4,0-2-12], [6:0-2-9,Edge]

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 0.62 BC 0.93 WB 0.57 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.22 10 >999 360 Vert(TL) -0.35 10 >704 240 Horz(TL) 0.10 6 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 103 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 2-7-5 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 5-4-9 oc bracing.

REACTIONS. (lb/size) 2=2338/0-5-8, 6=2338/0-5-8
 Max Horz 2=62(LC 8)
 Max Uplift 2=-1233(LC 9), 6=-1233(LC 9)
 Max Grav 2=2526(LC 19), 6=2526(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-12=-4745/2198, 3-12=-4674/2208, 3-13=-5412/2466, 13-14=-5411/2466, 4-14=-5410/2467, 4-15=-5410/2467, 15-16=-5411/2466,
 5-16=-5412/2466, 5-17=-4674/2208, 6-17=-4745/2198
 BOT CHORD 2-11=-1883/4318, 10-11=-1866/4281, 9-10=-1866/4281, 8-9=-1866/4281, 6-8=-1883/4317
 WEBS 3-11=-298/645, 3-10=-502/1298, 4-10=-1095/445, 5-10=-502/1299, 5-8=-298/645

JOINT STRESS INDEX
 2 = 0.80, 3 = 0.89, 4 = 0.39, 5 = 0.89, 6 = 0.80, 8 = 0.45, 9 = 0.83, 10 = 0.88 and 11 = 0.45

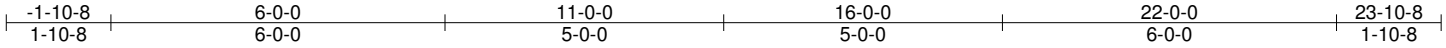
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, 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 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1233, 6=1233.
 - 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) Girder carries hip end with 6-0-0 end setback.
 - 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 513 lb down and 217 lb up at 15-0-0, and 513 lb down and 217 lb up at 6-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-94, 3-5=-177(F=-83), 5-7=-94, 2-11=-20, 8-11=-38(F=-18), 6-8=-20
 Concentrated Loads (lb)
 Vert: 11=-513(F) 8=-513(F)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
GARAGES	GG1A	HIPSYS	2	1	

Job Reference (optional)

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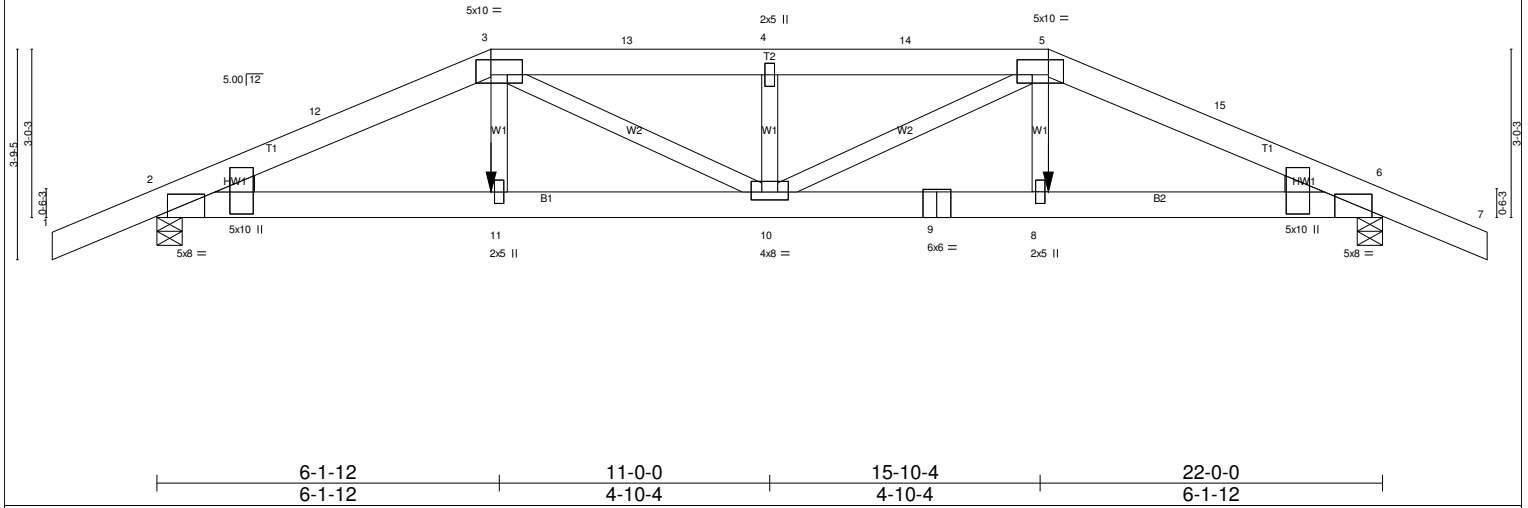


Plate Offsets (X,Y)-- [2:0-0-8,1-3-12], [2:0-2-5,Edge], [3:0-6-12,0-3-4], [5:0-6-12,0-3-4], [6:0-0-8,1-3-12], [6:0-2-5,Edge], [10:0-4-0,0-1-12]

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 0.77 BC 0.43 WB 0.66 (Matrix)	in (loc) l/defl L/d Vert(LL) -0.25 10 >999 360 Vert(TL) -0.39 10 >669 240 Horz(TL) 0.09 6 n/a n/a	MT20	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 2x6 SPF 2100F 1.8E
 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 2-2-12 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-11-0 oc bracing.

REACTIONS. (lb/size) 2=2441/0-5-8, 6=2441/0-5-8
 Max Horz 2=62(LC 8)
 Max Uplift 2=-1290(LC 9), 6=-1290(LC 9)
 Max Grav 2=2600(LC 19), 6=2600(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-12=-5093/2345, 3-12=-5022/2355, 3-13=-6017/2720, 4-13=-6016/2720, 5-14=-6017/2720, 5-15=-5022/2355,
 6-15=-5093/2345
 BOT CHORD 2-11=-2019/4641, 10-11=-2037/4679, 9-10=-2037/4679, 8-9=-2037/4679, 6-8=-2019/4641
 WEBS 3-11=-312/668, 5-8=-312/668, 4-10=-1212/496, 3-10=-583/1501, 5-10=-583/1501

JOINT STRESS INDEX
 2 = 0.85, 2 = 0.42, 3 = 0.91, 4 = 0.43, 5 = 0.91, 6 = 0.85, 6 = 0.42, 8 = 0.47, 9 = 0.91, 10 = 0.87 and 11 = 0.47

- 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, 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 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1290, 6=1290.
 - 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) Girder carries hip end with 6-0-0 end setback.
 - 12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 513 lb down and 217 lb up at 16-0-0, and 513 lb down and 217 lb up at 6-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

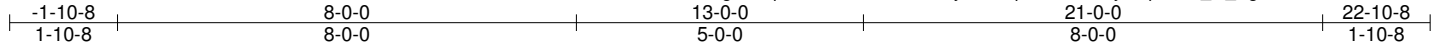
LOAD CASE(S) Standard
 1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-3=-94, 3-5=-177(F=-83), 5-7=-94, 2-11=-20, 8-11=-38(F=-18), 6-8=-20
 Concentrated Loads (lb)
 Vert: 11=-513(F) 8=-513(F)

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
GARAGES	GH1	ROOF TRUSS	4	1	

Job Reference (optional)

Universal Forest Products

7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:34:11 2016 Page 1
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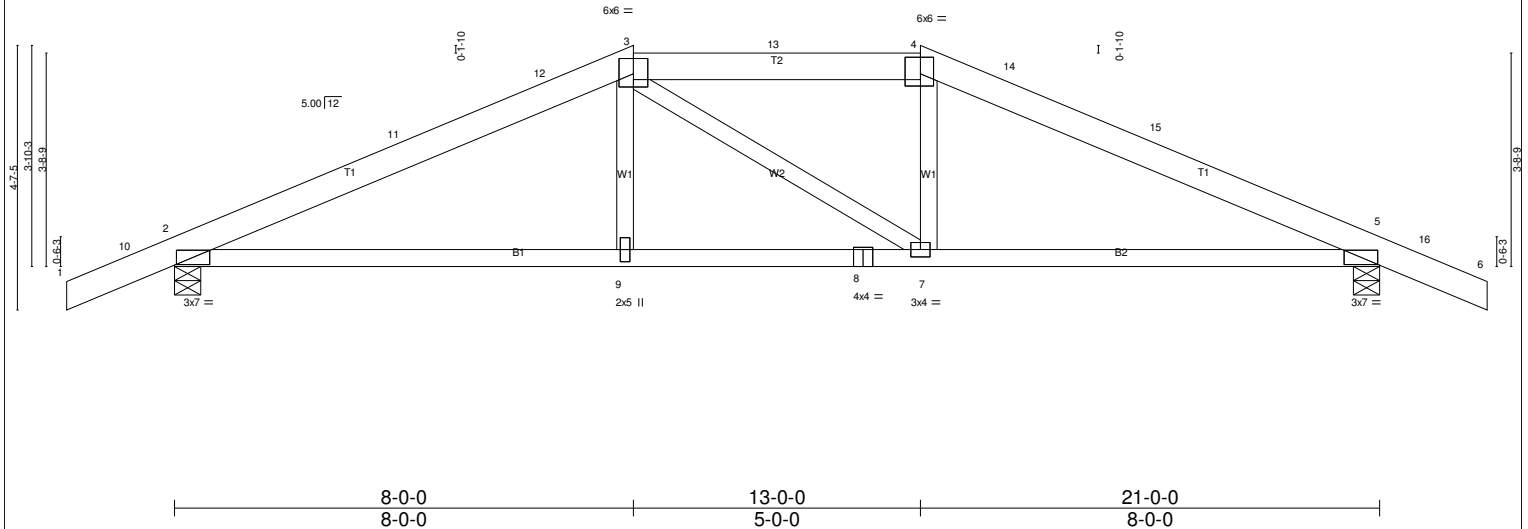


Plate Offsets (X,Y)-- [3:0-3-0-0-3-4], [4:0-3-4-0-3-8]

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 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.83 BC 0.74 WB 0.28 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.18 2-9 >999 360 Vert(TL) -0.28 2-9 >876 240 Horz(TL) 0.07 5 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 2-2-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-1-0 oc bracing.

REACTIONS. (lb/size) 2=1369/0-5-8, 5=1369/0-5-8
 Max Horz 2=77(LC 8)
 Max Uplift 2=830(LC 9), 5=830(LC 9)
 Max Grav 2=1779(LC 19), 5=1779(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-11=2319/1101, 11-12=2085/1102, 3-12=1934/1115, 3-13=1913/1104, 4-13=1913/1104, 4-14=1937/1116, 14-15=2089/1103, 5-15=2322/1102
 BOT CHORD 2-9=869/1916, 8-9=863/1910, 7-8=863/1910, 5-7=870/1919
 WEBS 3-9=129/255, 3-7=354/360, 4-7=172/323

JOINT STRESS INDEX
 2 = 0.77, 3 = 0.97, 4 = 0.93, 5 = 0.77, 7 = 0.54, 8 = 0.78 and 9 = 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; 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, 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 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=830, 5=830.
 - 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

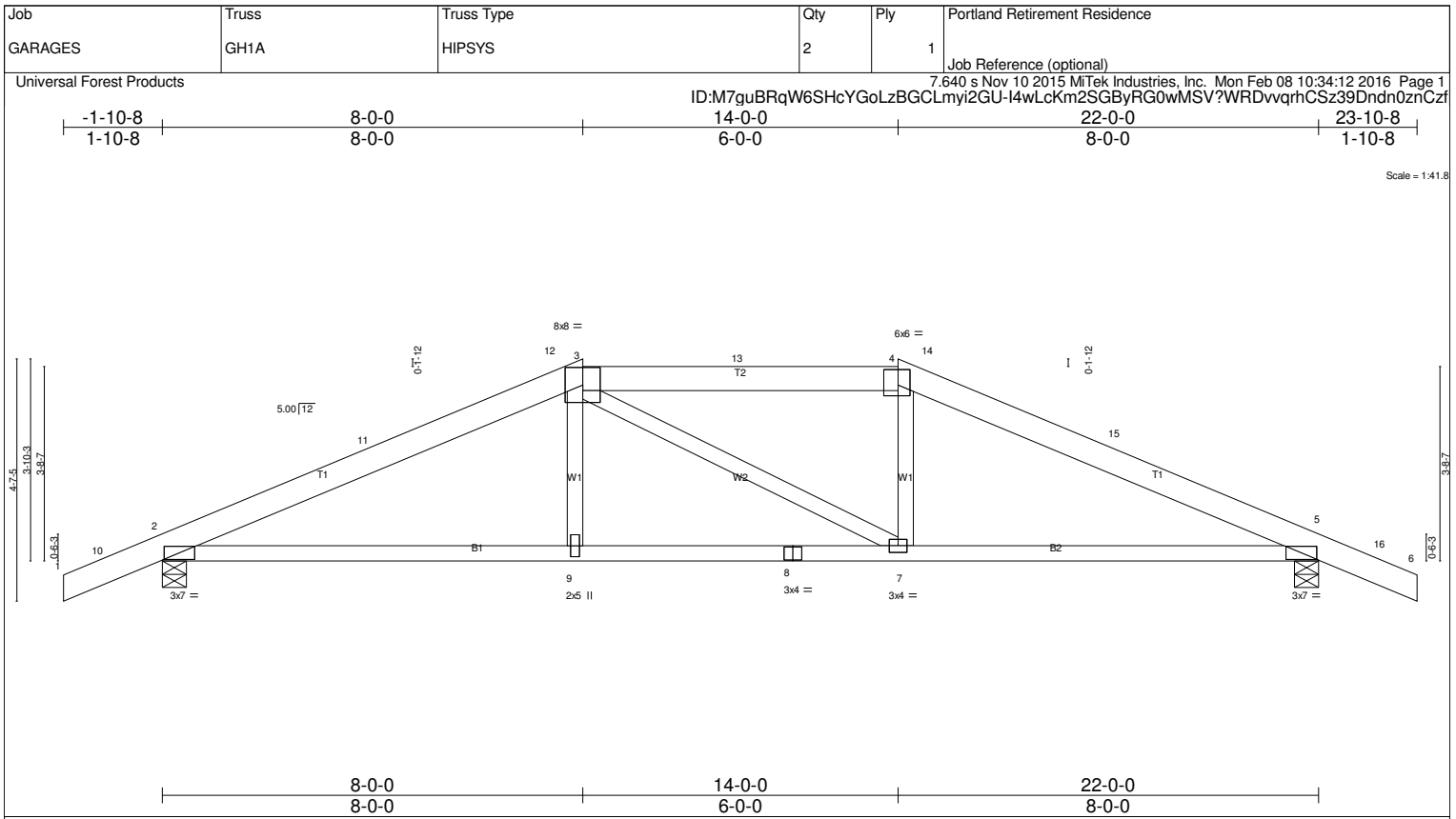


Plate Offsets (X,Y)-- [4:0-3-4,0-3-8]					
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 40.0 (Roof Snow=40.0) TCDL 7.0 BCLL 0.0 BCDL 10.0	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.85 BC 0.76 WB 0.31 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.18 2-9 >999 360 Vert(TL) -0.28 2-9 >908 240 Horz(TL) 0.08 5 n/a n/a	MT20	197/144
				Weight: 89 lb	FT = 4%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 5-10-1 oc bracing.

REACTIONS. (lb/size) 2=1426/0-5-8, 5=1426/0-5-8
 Max Horz 2=-77(LC 7)
 Max Uplift 2=-863(LC 9), 5=-863(LC 9)
 Max Grav 2=1808(LC 19), 5=1808(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-11=-2390/1190, 11-12=-2157/1203, 3-12=-1925/1204, 3-13=-1978/1186, 4-13=-1978/1186, 4-14=-1928/1206, 14-15=-2161/1204, 5-15=-2394/1192
 BOT CHORD 2-9=-951/1981, 8-9=-945/1974, 7-8=-945/1974, 5-7=-953/1985
 WEBS 3-9=-140/279, 3-7=-363/369, 4-7=-178/316

JOINT STRESS INDEX
 2 = 0.76, 3 = 0.78, 4 = 0.91, 5 = 0.76, 7 = 0.54, 8 = 0.80 and 9 = 0.31

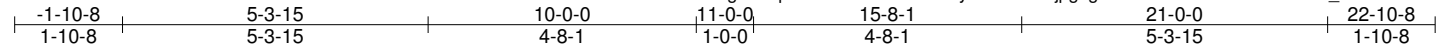
- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=4ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1, 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 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=863, 5=863.
 - 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
GARAGES	GH2	ROOF TRUSS	4	1	

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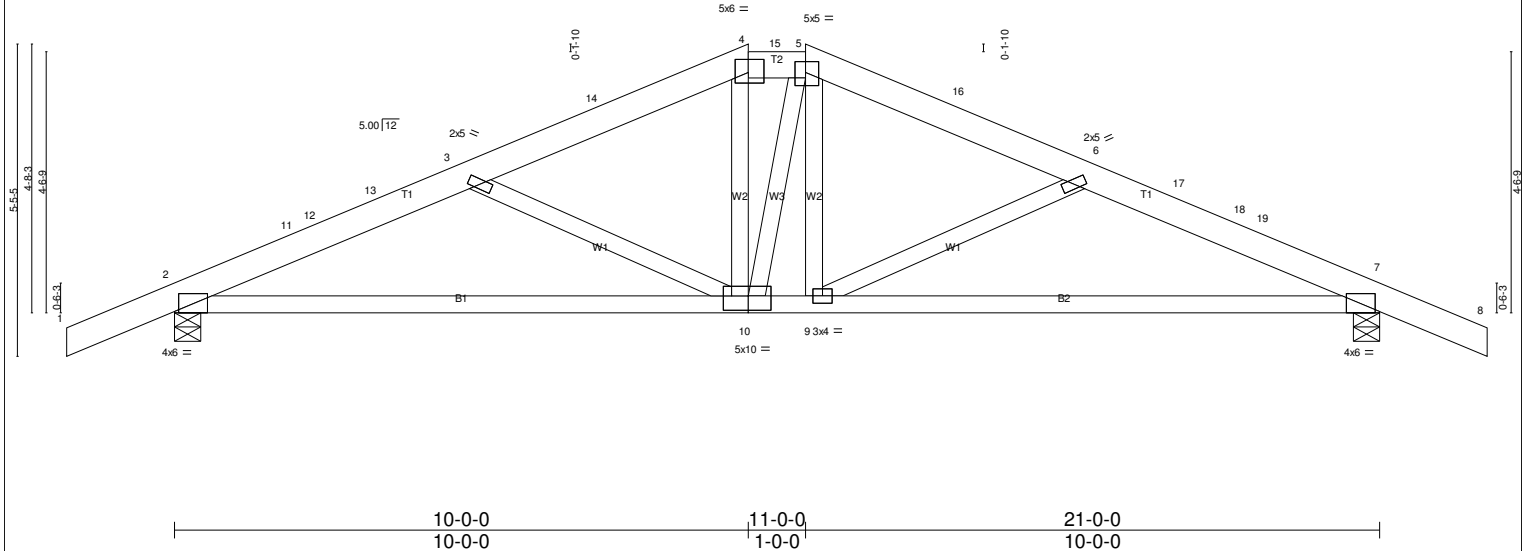


Plate Offsets (X,Y)-- [4:0-3-4,0-2-12], [5:0-2-4,0-2-4], [10:0-4-12,0-3-0]

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 0.33 BC 0.88 WB 0.39 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.27 2-10 >900 360 Vert(TL) -0.42 2-10 >584 240 Horz(TL) 0.10 7 n/a n/a	MT20	197/144
TCDL 7.0 BCLL 0.0 BCDL 10.0				Weight: 97 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 3-10-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-10-0 oc bracing.

REACTIONS. (lb/size) 2=1369/0-5-8, 7=1369/0-5-8
Max Horz 2=92(LC 8)
Max Uplift 2=830(LC 9), 7=830(LC 9)
Max Grav 2=2003(LC 19), 7=2003(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-11=-3072/1154, 11-12=-2920/1155, 12-13=-2918/1155, 3-13=-2855/1164, 3-14=-2298/979, 4-14=-2159/987, 4-15=-2010/964, 5-15=-2011/964, 5-16=-2178/995, 6-16=-2313/987, 6-17=-2864/1168, 17-18=-2929/1160, 18-19=-2929/1159, 7-19=-3080/1159
BOT CHORD 2-10=-940/2649, 9-10=-681/2017, 7-9=-945/2659
WEBS 3-10=-699/286, 4-10=-235/469, 5-10=-291/275, 5-9=-213/384, 6-9=-693/283

JOINT STRESS INDEX
2 = 0.83, 3 = 0.40, 4 = 0.88, 5 = 0.82, 6 = 0.40, 7 = 0.83, 9 = 0.54 and 10 = 0.69

- 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, 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 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=830, 7=830.
 - 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
GARAGES	GH2A	HIPSYS	2	1	

Universal Forest Products
 ID:qJGPNr8tIPTAQNXunRu_yi2GT-mGUjgngDZJo3Pb7w90E3emCeE8hxusCOsXAJSzncZe
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:34:13 2016 Page 1

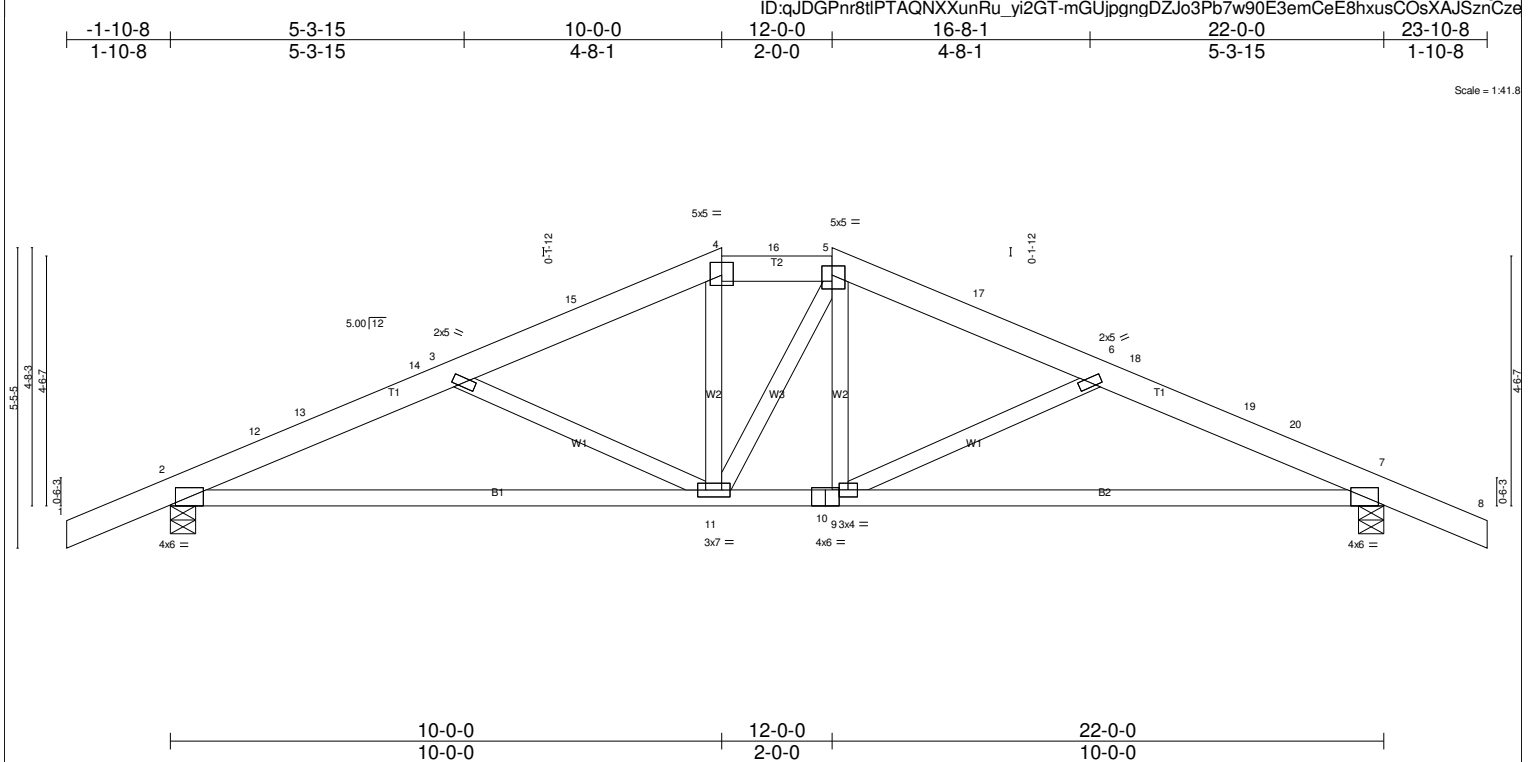


Plate Offsets (X,Y)-- [2:0-1-3,Edge], [4:0-2-8,0-2-12], [5:0-2-4,0-2-0], [7:0-1-3,Edge]

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 0.33 BC 0.90 WB 0.34 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.29 7-9 >882 360 Vert(TL) -0.45 7-9 >577 240 Horz(TL) 0.10 7 n/a n/a	MT20	197/144
TCDL 7.0					
BCLL 0.0					
BCDL 10.0					
				Weight: 100 lb	FT = 4%

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

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 3-10-10 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 5-7-4 oc bracing.

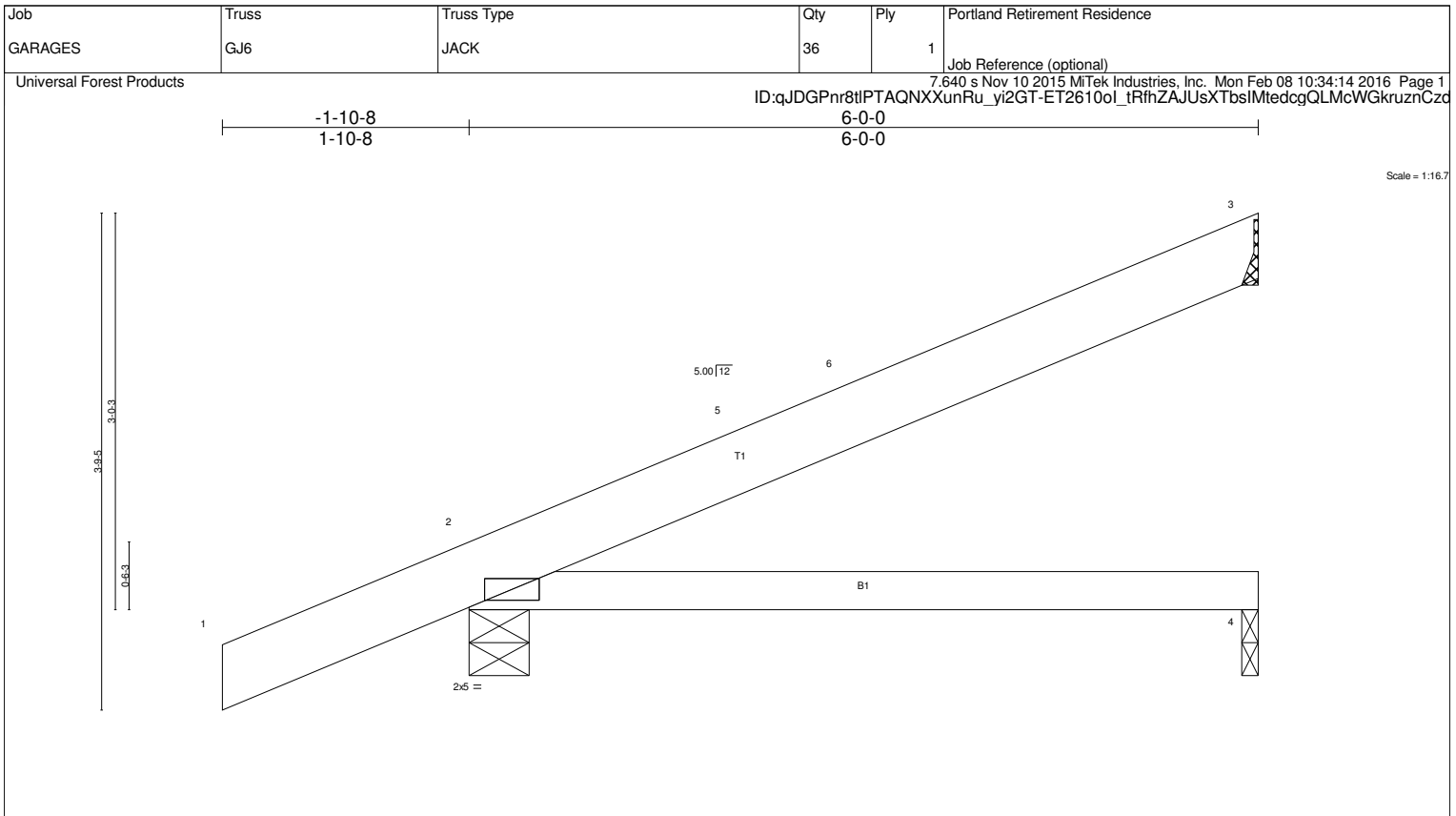
REACTIONS. (lb/size) 2=1426/0-5-8, 7=1426/0-5-8
 Max Horz 2=-92(LC 7)
 Max Uplift 2=-863(LC 9), 7=-863(LC 9)
 Max Grav 2=2032(LC 19), 7=2032(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-12=-3148/1233, 12-13=-2997/1235, 13-14=-2997/1243, 3-14=-2845/1244, 3-15=-2367/1060, 4-15=-2228/1068, 4-16=-2055/1031, 5-16=-2055/1031, 5-17=-2222/1066, 6-17=-2361/1058, 6-18=-2848/1245, 18-19=-2999/1244, 19-20=-3000/1236, 7-20=-3151/1234
 BOT CHORD 2-11=-1014/2721, 10-11=-741/2047, 9-10=-741/2047, 7-9=-1016/2724
 WEBS 3-11=-719/288, 4-11=-226/416, 5-11=-257/282, 5-9=-234/420, 6-9=-730/294

JOINT STRESS INDEX
 2 = 0.80, 3 = 0.42, 4 = 0.86, 5 = 0.83, 6 = 0.42, 7 = 0.80, 9 = 0.54, 10 = 0.71 and 11 = 0.78

- 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, 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 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=863, 7=863.
 - 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



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 0.35	Vert(LL) 0.09 2-4 >731 360		
BCLL 0.0	Rep Stress Incr YES	WB 0.00	Vert(TL) -0.16 2-4 >430 240		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
				Weight: 22 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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 3=232/Mechanical, 2=560/0-5-8, 4=57/0-1-8
Max Horz 2=195(LC 9)
Max Uplift 3=-138(LC 9), 2=-332(LC 9), 4=-56(LC 5)
Max Grav 3=335(LC 16), 2=588(LC 2), 4=114(LC 4)

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

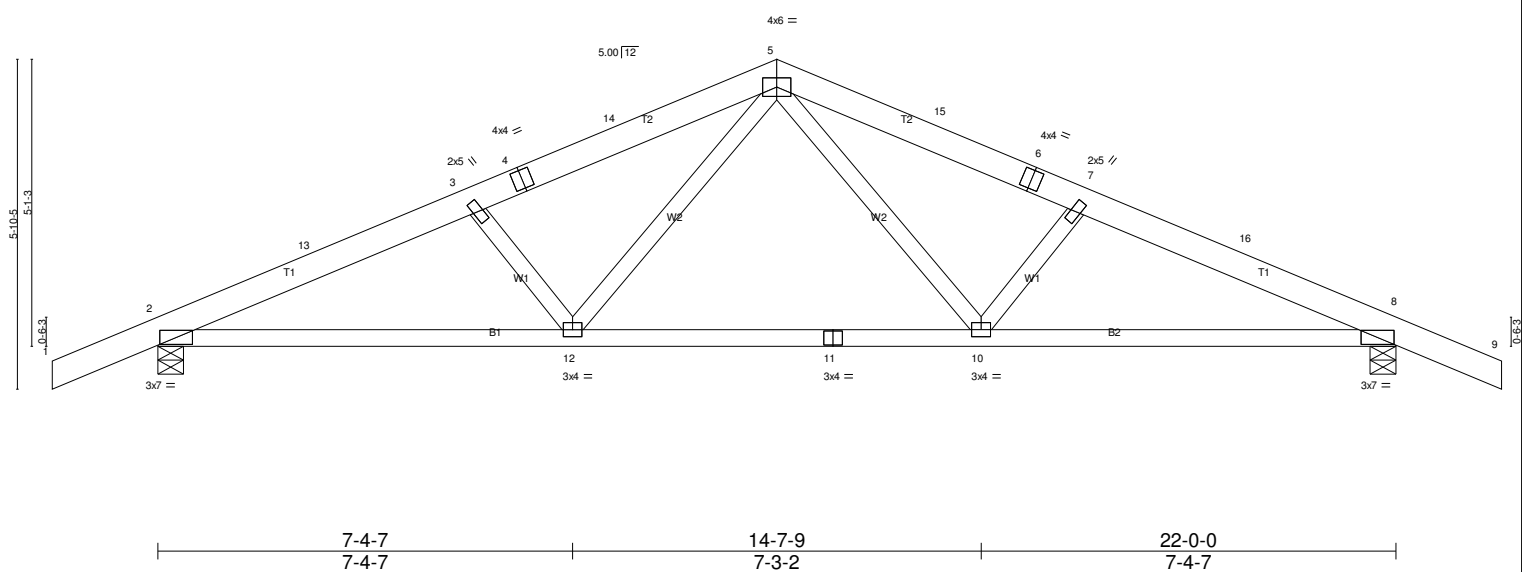
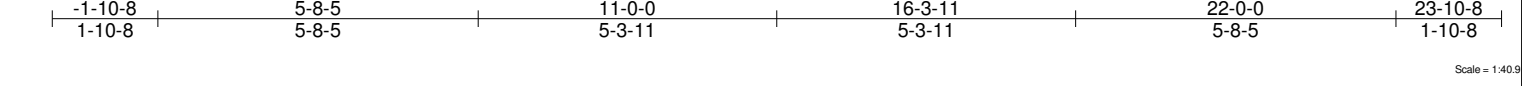
JOINT STRESS INDEX
2 = 0.53

- NOTES-**
- 1) Wind: ASCE 7-05; 100mph; TCDL=4.2psf; BCDL=5.0psf; h=58ft; B=44ft; L=50ft; eave=7ft; Cat. II; Exp B; Kd 1.00; enclosed; MWFRS (all heights); cantilever left exposed ; end vertical left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) TCLL: ASCE 7-05; Pf=40.0 psf (flat roof snow); Category II; Exp B; Partially Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for greater of min roof live load of 19.0 psf or 2.00 times flat roof load of 40.0 psf on overhangs non-concurrent with other live loads.
 - 5) As requested, plates have not been designed to provide for placement tolerances or rough handling and erection conditions. It is the responsibility of the fabricator to increase plate sizes to account for these factors.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 4.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=138, 2=332.
 - 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
GARAGES	GT1A	ROOF TRUSS	4	1	

Universal Forest Products
 Job Reference (optional)
 7.640 s Nov 10 2015 MiTek Industries, Inc. Mon Feb 08 10:34:15 2016 Page 1
 ID:IVnec7rme3XKoaxk4cJgRBByi2GS-ibUEmpwIBZWJjIV1a2i83rY31uyPopVrA0HNKznCzc



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 0.34 BC 0.60 WB 0.31 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.15 10-12 >999 360 Vert(TL) -0.22 10-12 >999 240 Horz(TL) 0.07 8 n/a n/a	MT20 Weight: 95 lb	197/144 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 4-7-4 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 5-9-5 oc bracing.

REACTIONS. (lb/size) 2=1426/0-5-8, 8=1426/0-5-8
 Max Horz 2=101(LC 8)
 Max Uplift 2=-863(LC 9), 8=-863(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-13=-2289/1258, 3-13=-2185/1267, 3-4=-1993/1215, 4-14=-1903/1221, 5-14=-1894/1231, 5-15=-1894/1231, 6-15=-1903/1221,
 6-7=-1993/1215, 7-16=-2185/1267, 8-16=-2289/1258
 BOT CHORD 2-12=-1025/1987, 11-12=-629/1407, 10-11=-629/1407, 8-10=-1025/1987
 WEBS 3-12=-507/235, 5-12=-416/693, 5-10=-416/693, 7-10=-507/235

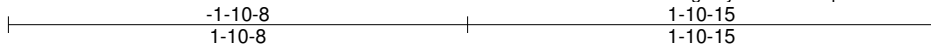
JOINT STRESS INDEX
 2 = 0.66, 3 = 0.31, 4 = 0.46, 5 = 0.94, 6 = 0.46, 7 = 0.31, 8 = 0.66, 10 = 0.65, 11 = 0.76 and 12 = 0.65

- 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 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) 2=863, 8=863.
 - 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.

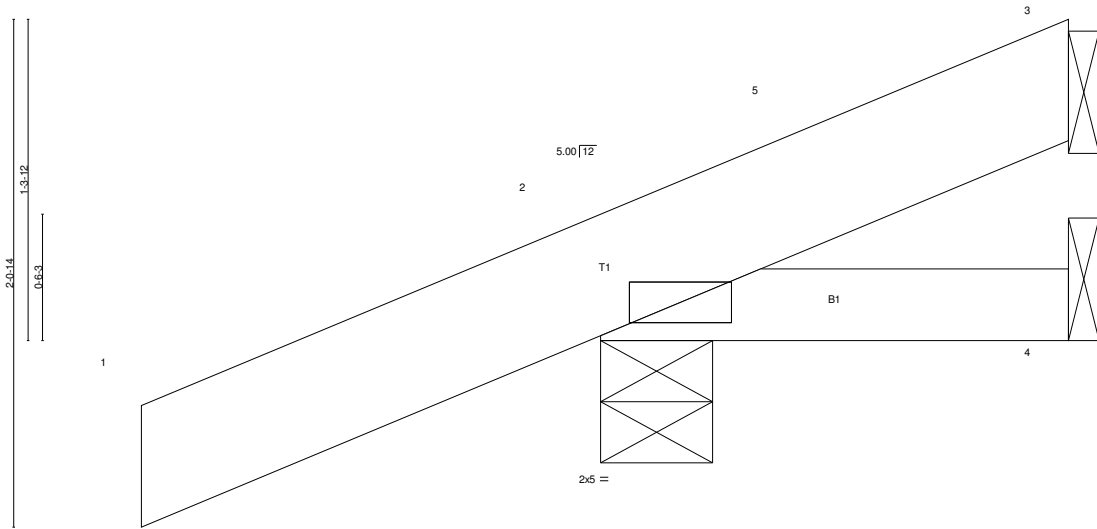
LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Portland Retirement Residence
GARAGES	J2A	JACK	24	1	

Universal Forest Products
 7.640 s Nov 10 2015 M/Tek Industries, Inc. Mon Feb 08 10:34:16 2016 Page 1
 ID:IVnec7rme3XKoaxk4cJgRByi2GS-Ar9sSipYWUhnNwtKibHZxhHOkmRN18Jqf4qlqwnznCzb



Scale = 1:9.4



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 0.28 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.

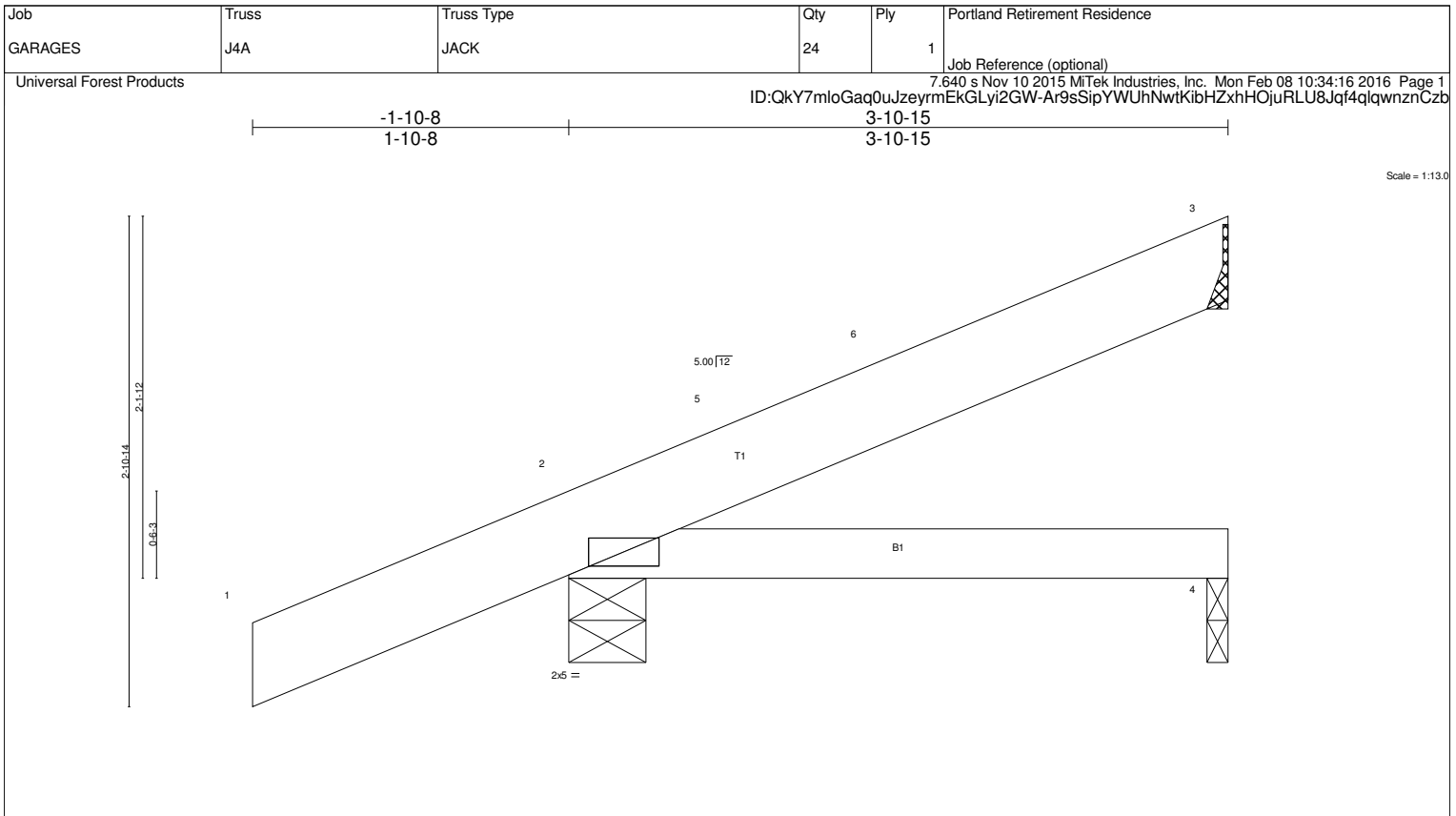
REACTIONS. (lb/size) 3=-6/Mechanical, 2=380/0-5-8, 4=19/Mechanical
 Max Horz 2=102(LC 9)
 Max Uplift 3=-160(LC 13), 2=-232(LC 9)
 Max Grav 3=299(LC 16), 2=539(LC 13), 4=37(LC 4)

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

JOINT STRESS INDEX
 2 = 0.52

- 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=160, 2=232.
 - 9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) This truss has been designed for a moving concentrated load of 200.0lb live 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)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	TC 0.33 BC 0.13 WB 0.00 (Matrix)	in (loc) l/defl L/d Vert(LL) 0.02 2-4 >999 360 Vert(TL) -0.03 2-4 >999 240 Horz(TL) -0.00 3 n/a n/a	MT20	197/144
TCDL 7.0				Weight: 16 lb	FT = 4%
BCLL 0.0					
BCDL 10.0					

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

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

REACTIONS. (lb/size) 3=113/Mechanical, 2=462/0-5-8, 4=36/0-1-8
Max Horz 2=147(LC 9)
Max Uplift 3=-81(LC 13), 2=-290(LC 9), 4=-35(LC 5)
Max Grav 3=317(LC 16), 2=534(LC 13), 4=72(LC 4)

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

JOINT STRESS INDEX
2 = 0.50

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