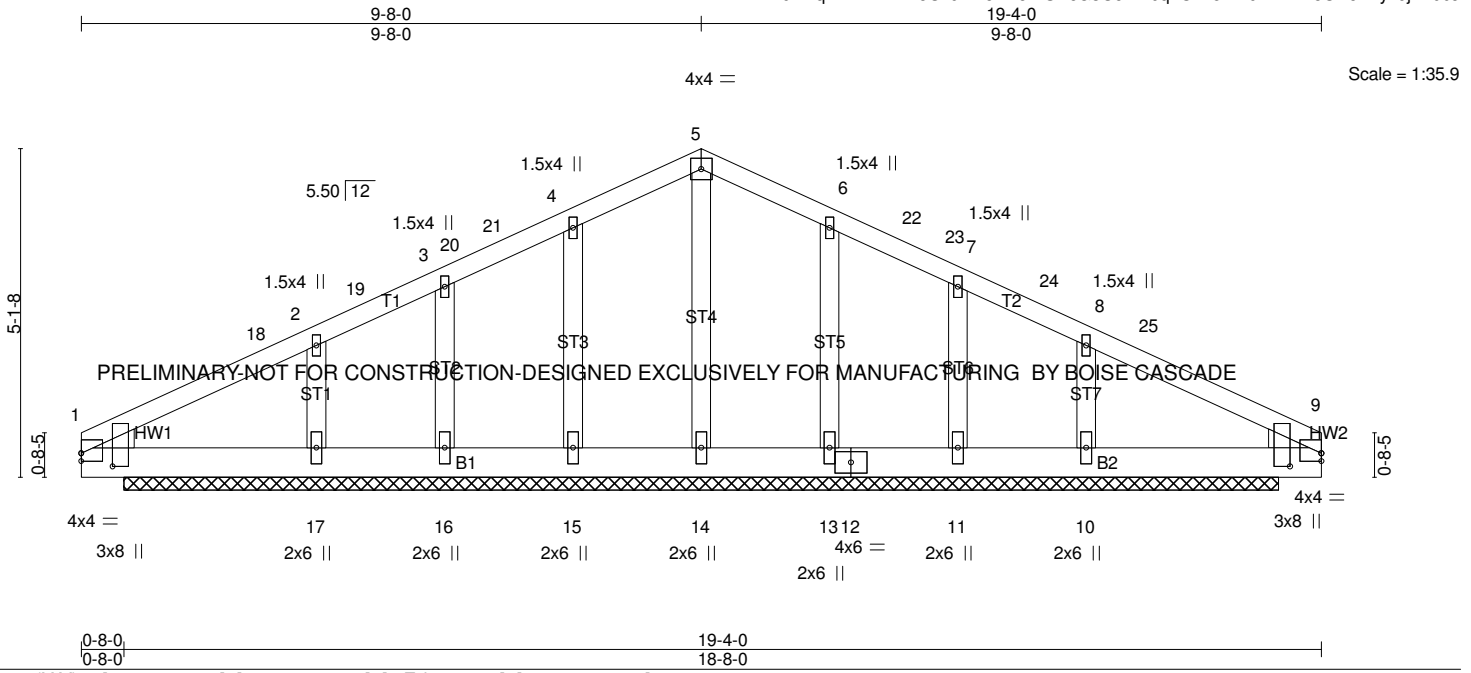


Job 668644	Truss 001	Truss Type GESI	Qty 1	Ply 1	ST LAWRENCE / DIPHILIPPO A_MGE_e125990_5/8/2015 11:55:05 AM Job Reference (optional)
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Boise Cascade, Biddeford, ME 04005

Run: 7.610 s Jan 29 2015 Print: 7.610 s Jan 29 2015 MiTek Industries, Inc. Wed May 20 14:10:50 2015 Page 1
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PRELIMINARY NOT FOR CONSTRUCTION - DESIGN EXCLUSIVELY FOR MANUFACTURING BY BOISE CASCADE

Plate Offsets (X,Y) -- [1:0-0-0,0-1-8], [1:0-2-7,0-5-14], [9:Edge,0-1-8], [9:0-2-7,0-5-14]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 60.0 (Roof Snow=60.0)	2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15	TC 0.20 BC 0.10 WB 0.13 (Matrix)	Vert(LL) n/a Vert(TL) n/a Horz(TL) 0.00	-	n/a	999	MT20	169/123
TCDL 10.0 BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code IBC2009/TPI2007			9	n/a	n/a	Weight: 80 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x6 SPF 1650F 1.5E
OTHERS 2x4 SPF-S No.2
WEDGE
Left: 2x4 SPF-S No.2, Right: 2x4 SPF-S No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 18-0-0.
(lb) - Max Horz 1=-74(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 9, 15, 16, 13, 11 except 17=291(LC 8), 10=-289(LC 9)
Max Grav All reactions 250 lb or less at joint(s) except 1=260(LC 1), 9=260(LC 1), 14=272(LC 1), 15=448(LC 2), 16=287(LC 2), 17=605(LC 2), 13=448(LC 3), 11=287(LC 3), 10=605(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-15=-393/182, 3-16=-301/113, 2-17=-447/278, 6-13=-393/182, 7-11=-301/114, 8-10=-447/276

- NOTES-** (11)
- 1) Wind: ASCE 7-05; 120mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 6-8-0, Exterior(2) 6-8-0 to 9-8-0, Interior(1) 12-8-0 to 16-4-0 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; Pf=60.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 4) Unbalanced snow loads have been considered for this design.
 - 5) Gable studs spaced at 2-0-0 oc.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 9, 15, 16, 13, 11 except (jt=lb) 17=291, 10=289.
 - 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) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job 668644	Truss 002	Truss Type Common	Qty 4	Ply 1	ST LAWRENCE / DIPHILIPPO A_PMT_e125990_5/8/2015 11:55:03 AM Job Reference (optional)
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Boise Cascade, Biddeford, ME 04005

Run: 7.610 s Jan 29 2015 Print: 7.610 s Jan 29 2015 MiTek Industries, Inc. Wed May 20 14:10:50 2015 Page 1
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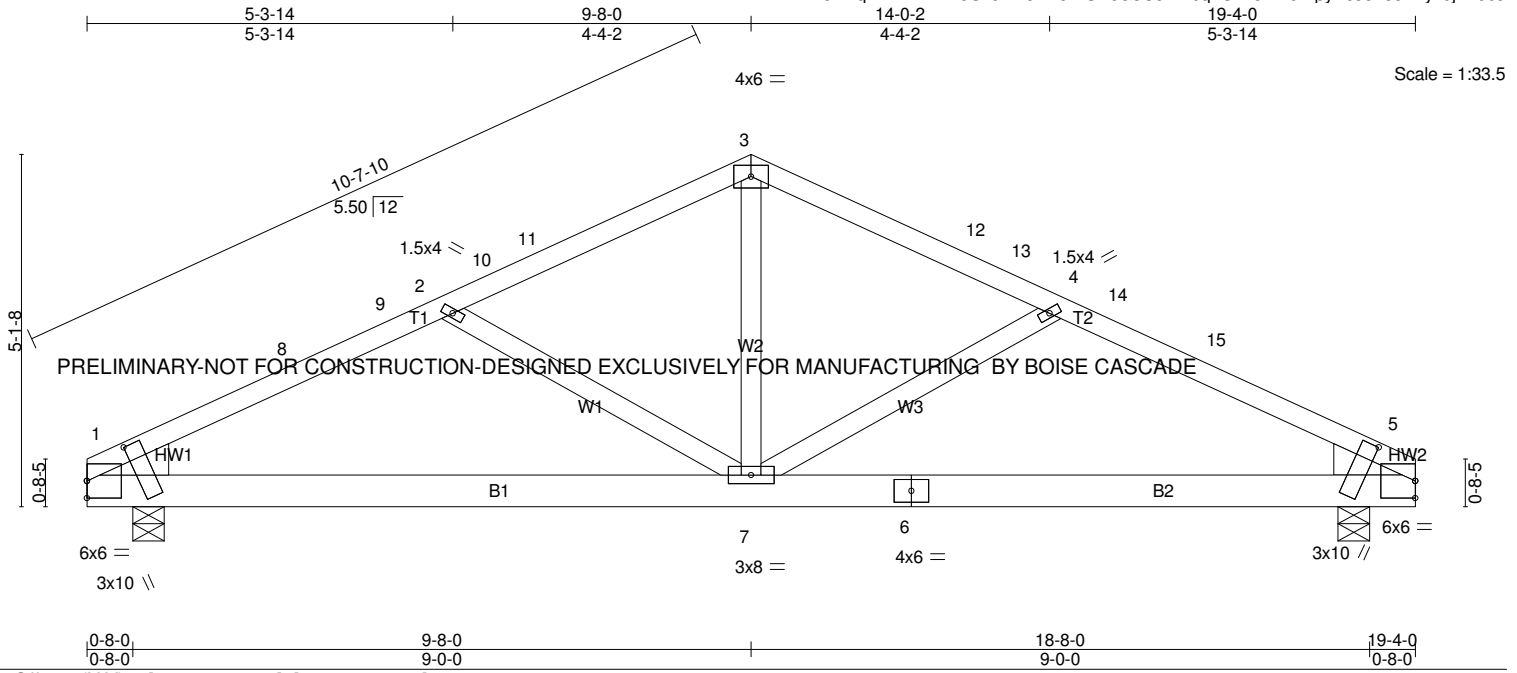


Plate Offsets (X,Y)-- [1:0-2-11,0-8-4], [5:0-2-11,0-8-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 60.0 (Roof Snow=60.0)	2-0-0 Plate Grip DOL 1.15	TC 0.85	Vert(LL)	-0.09	1-7	>999	MT20	169/123
TCDL 10.0	Lumber DOL 1.15	BC 0.66	Vert(TL)	-0.19	1-7	>999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.44	Horz(TL)	0.04	5	n/a		
BCDL 10.0	Code IBC2009/TPI2007	(Matrix)					Weight: 77 lb	FT = 0%

LUMBER-
 TOP CHORD 2x4 SPF 1650F 1.5E
 BOT CHORD 2x6 SPF 1650F 1.5E
 WEBS 2x4 SPF-S No.2
 WEDGE
 Left: 2x6 SPF 1650F 1.5E, Right: 2x6 SPF 1650F 1.5E

BRACING-
 TOP CHORD Structural wood sheathing directly applied or 4-0-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=1510/0-5-8 (min. 0-2-6), 5=1510/0-5-8 (min. 0-2-6)
 Max Horz 1=-74(LC 9)
 Max Uplift 1=-408(LC 8), 5=-408(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-8=-2535/843, 8-9=-2335/846, 2-9=-2239/857, 2-10=-1900/680, 10-11=-1813/685,
 3-11=-1765/700, 3-12=-1765/700, 12-13=-1813/685, 4-13=-1900/680, 4-14=-2239/857,
 14-15=-2335/846, 5-15=-2535/843
 BOT CHORD 1-7=-627/2092, 6-7=-627/2092, 5-6=-627/2092
 WEBS 3-7=-248/859, 4-7=-745/356, 2-7=-745/355

- NOTES-** (8)
- 1) Wind: ASCE 7-05; 120mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 6-8-0, Exterior(2) 6-8-0 to 9-8-0, Interior(1) 12-8-0 to 16-1-4 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; Pf=60.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=408, 5=408.
 - 7) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 8) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Job 668644	Truss 004	Truss Type SCISSOR	Qty 8	Ply 1	ST LAWRENCE / DIPHILIPPO B_PMT_e125990_5/8/2015 11:55:07 AM Job Reference (optional)
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Boise Cascade, Biddeford, ME 04005

Run: 7.610 s Jan 29 2015 Print: 7.610 s Jan 29 2015 MiTek Industries, Inc. Wed May 20 14:10:51 2015 Page 1
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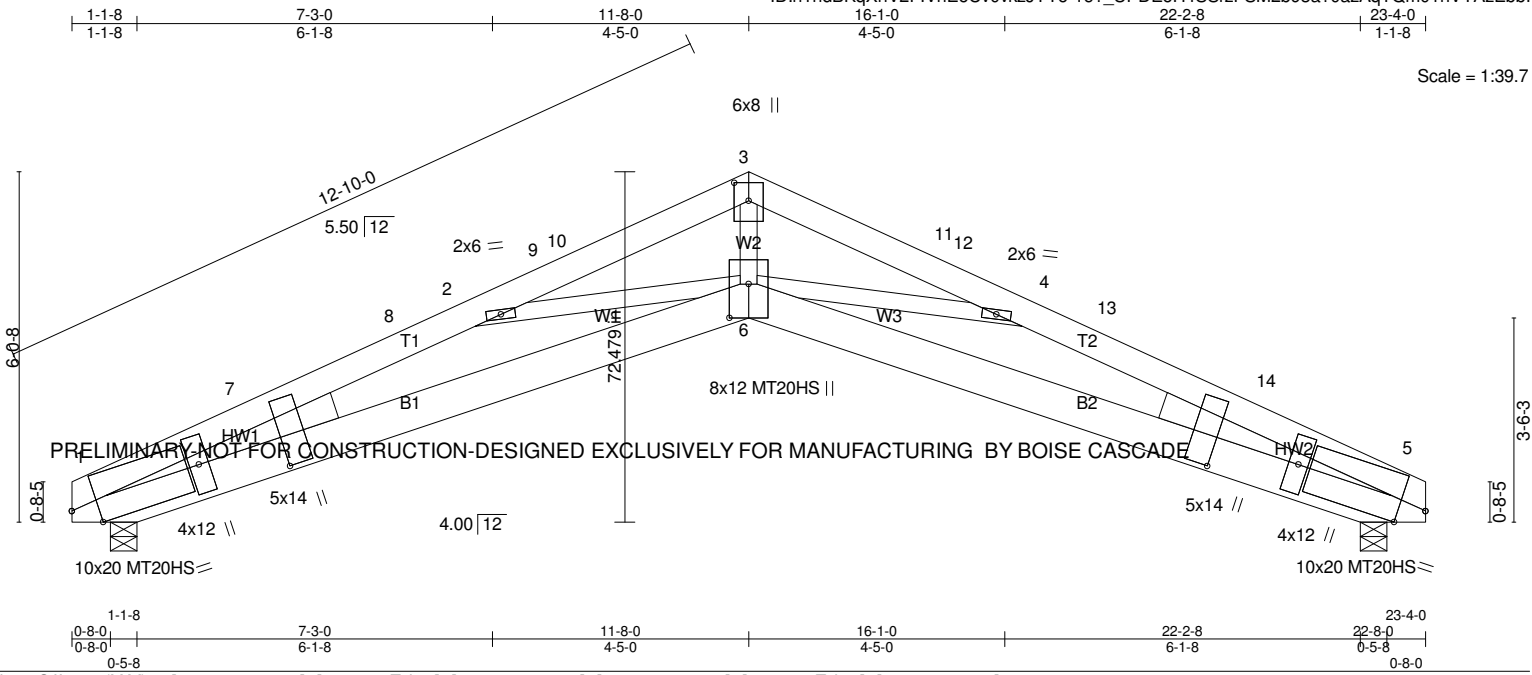


Plate Offsets (X,Y)-- [1:0-5-7,3-9-12], [1:0-5-7,Edge], [3:0-3-12,0-3-0], [5:0-5-7,3-9-12], [5:0-5-7,Edge], [6:0-7-0,0-4-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 60.0	2-0-0	TC 0.83	Vert(LL) -0.74	6	>373	240	MT20	169/123
(Roof Snow=60.0)	Plate Grip DOL 1.15	BC 0.59	Vert(TL) -1.09	6	>251	180	MT20HS	127/93
TCDL 10.0	Lumber DOL 1.15	WB 0.88	Horz(TL) 0.87	5	n/a	n/a		
BCLL 0.0 *	Rep Stress Incr YES	(Matrix)						
BCDL 10.0	Code IBC2009/TPI2007						Weight: 149 lb	FT = 0%

LUMBER-
TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x8 SP M 23
WEBS 2x4 SPF-S No.2 *Except*
W2: 2x4 SPF 1650F 1.5E
WEDGE
Left: 2x6 SPF 1650F 1.5E, Right: 2x6 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-8-2 oc bracing.

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

REACTIONS. (lb/size) 1=2230/0-5-8 (min. 0-1-12), 5=2230/0-5-8 (min. 0-1-12)
Max Horz 1=74(LC 8)
Max Uplift 1=-612(LC 8), 5=-612(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-7=-9275/2980, 7-8=-9049/2980, 2-8=-8900/3001, 2-9=-7903/2281, 9-10=-7650/2216,
3-10=-7631/2231, 3-11=-7631/2231, 11-12=-7650/2216, 4-12=-7903/2281, 4-13=-8900/3001,
13-14=-9049/2980, 5-14=-9275/2980
BOT CHORD 1-6=-2636/8427, 5-6=-2636/8427
WEBS 3-6=-1426/5419, 4-6=-1521/856, 2-6=-1521/828

- NOTES-** (13)
- 1) Wind: ASCE 7-05; 120mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-2-12 to 3-2-12, Interior(1) 3-2-12 to 8-8-0, Exterior(2) 8-8-0 to 11-8-0, Interior(1) 14-8-0 to 20-1-4 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; Pf=60.0 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
 - 3) Unbalanced snow loads have been considered for this design.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=612, 5=612.
 - 9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
 - 10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 400 lb down and 159 lb up at 8-4-0, and 400 lb down and 159 lb up at 15-0-0 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).
 - 13) Drawing prepared exclusively for manufacturing by Boise Structural Solutions

LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	ST LAWRENCE / DIPILIPPO
668644	004	SCISSOR	8	1	B_PMT_e125990_5/8/2015 11:55:07 AM Job Reference (optional)

Boise Cascade, Biddeford, ME 04005

Run: 7.610 s Jan 29 2015 Print: 7.610 s Jan 29 2015 MiTek Industries, Inc. Wed May 20 14:10:51 2015 Page 2
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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-140, 3-5=-140, 1-6=-20, 5-6=-20

Concentrated Loads (lb)

Vert: 9=-400(F) 12=-400(F)