ROOF TRUSS LAYOUT

SCALE: 1/4" = 1'-0"

APPROVAL REQUIRED.
NOT FOR CONSTRUCTION.

JOB SPECIFIC NOTES

A) ANY FRAMING NOT SHOWN ON THIS LAYOUT IS BY OTHERS.

B) ANY CONNECTION NOT SHOWN ON THIS LAYOUT IS BY OTHERS.

C) HANGERS SUPPLIED BY BOISE CASCADE ARE MANUFACTURED BY USP.

GENERAL NOTES:

1) FOR BRACING REQUIREMENTS & ERECTION INFORMATION SEE T.P.I. PUBLICATION BCSI-B2.

2) BRACING STOCK (2x4 MIN) NOT SUPPLIED BY BOISE CASCADE.

3) SEE TRUSS ENGINEERING FOR ADDITIONAL INFORMATION.

4) ALL DIMENSIONS, DESIGN LOADS & TRUSS QUANTITIES MUST BE VERIFIED PRIOR TO FABRICATION.

5) ADDITIONAL FRAMING AS REQUIRED BY OTHERS.

6) THIS DRAWING IS INTENDED TO SERVE AS A LAYOUT GUIDE FOR THE TRUSS ERECTION CREW TO ENSURE PROPER PLACEMENT & SPACING OF TRUSSES. THIS IS NOT A COMPLETE FRAMING PLAN.

7) FINAL APPROVAL OF THIS LAYOUT & THE TRUSS COMPONENTS TO BE SUPPLIED FOR COMPLIANCE WITH PROJECT SPECIFICATIONS REMAINS THE RESPONSIBILITY OF THE ARCHITECT & ENGINEER OF RECORD.

8) VALLEY BY CONTRACTOR; VALLEY MUST BE FRAMED TO ENSURE UNIFORM DISTRIBUTION OF LIVE & DEAD LOADS. TOP CHORDS OF THE TRUSSES BELOW MUST BE LATERALLY BRACED BY MEANS OF SHEATHING OR PURLINS @ 24"O.C. MAX.

9) SOME HANGERS AND UPLIFT CONNECTORS CANNOT BE PROPERLY INSTALLED AFTER SETTING TRUSSES AND/OR ROOF SHEATHING.

10) BOISE CASCADE WILL ASSUME NO RESPONSIBILITY FOR ANY DEVIATION FROM THE CONTENT OF THESE DRAWINGS WITH REGARDS TO ANY STRUCTURAL MEMBERS THAT ARE MADE WITHOUT WRITTEN AUTHORIZATION FROM BOISE CASCADE.

11) BOISE CASCADE WILL NOT ACCEPT ANY BACK CHARGES FOR REPAIRS OR MODIFICATIONS WITHOUT NOTIFICATION PRIOR TO WORK BEING DONE WITHOUT REASONABLE OPPORTUNITY TO REVIEW PROBLEM. BACK CHARGES MUST BE AGREED UPON BY ALL PARTIES PRIOR TO WORK BEING DONE.

JOB #:	682591
DRAWN BY:	JAB
SCALE:	1/4" = 1'-0"
DATE:	11/07/2016
REVISED:	
1/1	

CUSTOMER: YARD

JOB NAME: GERVAIS

ADDRESS: AUBURN ?, ME

LOADING CHART (psf): TCLL = 61.6 (80# Ground Snow), TCDL = 10.0, BCLL = 00.0, BCDL = 10.0

DIMENSION KEY: Feet Inches (12) (6) (8) Sixteenths

Boise Cascade
Materials Distribution
"Structural Solutions"
omerleau Street
aford, Maine 04005
PH 1-877-291-5276
FX 1-877-782-0599

Date: 03/06/17

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

CITY OF PORTLAND, MAINE

Job	Truss	Truss Type	Qty	Ply	GERVAIS/AUBURN, ME
682591	001	GESI	2	1	A_MGE_E125993_11/7/2016 2:44:09 PM Job Reference (optional)

Boise Cascade, Biddeford, ME 04005, Jordan Berard

Run: 7.640 s Feb 22 2016 Print: 7.640 s Feb 22 2016 MiTek Industries, Inc. Tue Nov 08
ID:1c4fo_r9w1ev2?4T9Y843Hz2kJ_-re7NFVciziE2mjr18eARvcC

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/06/17

Scale = 1:27.5

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	61.6	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	-0.01	9	n/r	180	MT20	169/123
(Ground Snow=80.0)		Lumber DOL	1.15	BC	0.05	Vert(TL)	-0.00	9	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.00	10	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 51 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF 1650F 1.5E
OTHERS 2x4 SPF-S 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.

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

REACTIONS. All bearings 13-0-0.
(lb) - Max Horz 16=-158(LC 7)
Max Uplift All uplift 100 lb or less at joint(s) 14, 12 except 16=-104(LC 9), 10=-110(LC 10), 15=-134(LC 9), 11=-131(LC 10)
Max Grav All reactions 250 lb or less at joint(s) except 16=370(LC 1), 10=370(LC 1), 13=302(LC 1), 14=436(LC 14), 15=379(LC 14), 12=436(LC 15), 11=379(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-348/164, 8-10=-348/164
WEBS 5-13=-261/0, 4-14=-398/118, 3-15=-333/147, 6-12=-398/118, 7-11=-333/145

NOTES- (16-17)
1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 3-6-0, Corner(3) 3-6-0 to 6-6-0, Exterior(2) 9-6-0 to 11-0-0 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; Pg= 80.0 psf (ground snow); Pf=61.6 psf (flat roof snow); Category II; Exp C; 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 1.00 times flat roof load of 61.6 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * 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.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 12 except (jt=lb) 16=104, 10=110, 15=134, 11=131.
14) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
15) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
16) Dimensions are in feet-inches-sixteenths
17) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GERVAIS/AUBURN, ME
682591	002	GESI	2	1	B_MGE_E125993_11/7/2016 2:44:40 PM Job Reference (optional)

Boise Cascade, Biddeford, ME 04005, Jordan Berard

Run: 7.640 s Feb 22 2016 Print: 7.640 s Feb 22 2016 MiTek Industries, Inc. Tue Nov 08
ID:1c4fo_r9w1ev2?4T9Y843Hz2kJ_-KqhmSrdKk0MvNsQDiLhgRplUc

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/06/17

Scale = 1:56.7

Plate Offsets (X,Y)-- [2:0-2-0,0-1-12], [7:0-3-8,Edge], [13:0-4-0,0-4-8], [26:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	61.6	Plate Grip DOL	1.15	TC	0.15	Vert(LL)	-0.00	1	n/r	180	MT20	169/123
(Ground Snow=80.0)		Lumber DOL	1.15	BC	0.08	Vert(TL)	-0.00	1	n/r	120		
TCDL	10.0	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.01	18	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 156 lb	FT = 0%
BCDL	10.0											

LUMBER-

TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF 1650F 1.5E *Except*
W2: 2x4 SPF-S No.2
OTHERS 2x4 SPF-S No.2 *Except*
SB1: 2x6 SPF 1650F 1.5E

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 10-25

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

REACTIONS. All bearings 27-9-0.
(lb) - Max Horz 32=354(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 18, 26, 27, 28, 29, 30, 24, 23, 22, 21, 20 except 32=-233(LC 7), 31=-216(LC 8), 19=-150(LC 7)
Max Grav All reactions 250 lb or less at joint(s) 18 except 32=353(LC 1), 25=288(LC 1), 26=480(LC 14), 27=455(LC 14), 28=379(LC 14), 29=325(LC 1), 30=338(LC 1), 31=257(LC 14), 24=450(LC 15), 23=477(LC 15), 22=395(LC 15), 21=320(LC 1), 20=331(LC 1), 19=316(LC 15)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-32=-334/200, 2-3=-310/287, 7-8=-93/257, 8-9=-116/336, 9-10=-138/384, 10-11=-130/380, 11-12=-134/343, 12-13=-130/263
WEBS 9-26=-440/69, 8-27=-417/134, 6-28=-339/116, 5-29=-286/115, 4-30=-297/124, 11-24=-411/49, 12-23=-437/136, 13-22=-355/118, 14-21=-280/112, 15-20=-289/124, 16-19=-282/151

NOTES- (16-17)
1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) -1-0-0 to 1-10-8, Exterior(2) 1-10-8 to 11-0-0, Corner(3) 11-0-0 to 14-0-0, Exterior(2) 17-0-0 to 24-7-4 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) 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= 80.0 psf (ground snow); Pf=61.6 psf (flat roof snow); Category II; Exp C; 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 1.00 times flat roof load of 61.6 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
9) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
10) Gable studs spaced at 2-0-0 oc.
11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
12) * 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.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GERVAIS/AUBURN, ME
682591	002	GESI	2	1	B_MGE_E125993_11/7/2016 2:44:40 PM Job Reference (optional)

Boise Cascade, Biddeford, ME 04005, Jordan Berard

Run: 7.640 s Feb 22 2016 Print: 7.640 s Feb 22 2016 MiTek Industries, Inc. Tue Nov 08
ID:1c4fo_r9w1ev2?4T9Y843Hz2kJ_-KqhmSrdKk0MvNsQDiLhgRpIUc

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/06/17

NOTES- (16-17)

13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 26, 27, 28, 29, 30, 24, 23, 22, 21, 20 32=233, 31=216, 19=150.
14) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
15) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
16) Dimensions are in feet-inches-sixteenths
17) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GERVAIS/AUBURN, ME
682591	003	FINK	12	1	B_PMT_E125993_11/7/2016 2:44:36 PM Job Reference (optional)

Boise Cascade, Biddeford, ME 04005, Jordan Berard

Run: 7.640 s Feb 22 2016 Print: 7.640 s Feb 22 2016 MiTek Industries, Inc. Tue Nov 08
ID:1c4fo_r9w1ev2?4T9Y843Hz2kJ_-KqhmSrdKk0MvNsQDiLhgRplKG

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/06/17

Scale = 1:58.6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	61.6	Plate Grip DOL	1.15	TC	0.81	Vert(LL)	-0.40	11-13	>823	240	MT20	169/123
(Ground Snow=80.0)		Lumber DOL	1.15	BC	0.76	Vert(TL)	-0.66	11-13	>508	180	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.52	Horz(TL)	0.11	10	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 144 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF-S No.2
SLIDER Left 2x8 SP M 23 3-10-0, Right 2x8 SP M 23 3-9-2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-13 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) 2=2410/0-5-8 (min. 0-3-12), 10=2262/Mechanical
Max Horz 2=-374(LC 7)
Max Uplift2=-351(LC 9), 10=-284(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-3324/447, 3-16=-3076/465, 3-17=-3083/486, 4-17=-2847/488, 4-5=-2822/489, 5-18=-2553/503, 6-18=-2485/525, 6-19=-2442/525, 7-19=-2513/503, 7-8=-2780/489, 8-9=-3029/489, 9-10=-3299/454
BOT CHORD 2-13=-262/2556, 13-14=-54/1801, 12-14=-54/1801, 12-15=-54/1801, 11-15=-54/1801, 10-11=-261/2485
WEBS 4-13=-849/293, 6-13=-152/1024, 6-11=-152/962, 8-11=-790/291

NOTES- (14-15)
1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 11-0-0, Exterior(2) 11-0-0 to 14-0-0, Interior(1) 17-0-0 to 24-9-0 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) TCLL: ASCE 7-05; Pg= 80.0 psf (ground snow); Pf=61.6 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 greater of min roof live load of 17.0 psf or 1.00 times flat roof load of 61.6 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
6) All plates are MT20 plates unless otherwise indicated.
7) Plate(s) at joint(s) 6 checked for a plus or minus 3 degree rotation about its center.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * 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, with BCDL = 10.0psf.
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=351, 10=284.
12) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
13) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
14) Dimensions are in feet-inches-sixteenths
15) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GERVAIS/AUBURN, ME
682591	004	FINK	2	1	B_MCO_E125993_11/7/2016 2:44:43 PM Job Reference (optional)

Boise Cascade, Biddeford, ME 04005, Jordan Berard

Run: 7.640 s Feb 22 2016 Print: 7.640 s Feb 22 2016 MiTek Industries, Inc. Tue Nov 0
ID:1c4fo_r9w1ev2?4T9Y843Hz2kJ_-KqhmSrdKk0MvNsQDiLhgRplLO

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/06/17

Scale = 1:58.8

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [10:0-7-10,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	61.6	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.40	11-13	>836	240	MT20	169/123
(Ground Snow=80.0)		Lumber DOL	1.15	BC	0.76	Vert(TL)	-0.65	11-13	>519	180	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.11	10	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 146 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF-S No.2
SLIDER Left 2x8 SP M 23 3-11-12, Right 2x8 SP M 23 3-11-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-8 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) 2=2431/0-5-8 (min. 0-3-13), 10=2282/0-5-8 (min. 0-3-9)
Max Horz 2=-374(LC 7)
Max Uplift2=-353(LC 9), 10=-286(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-3320/455, 3-16=-3087/455, 3-17=-3093/484, 4-17=-2846/487, 4-5=-2861/498, 5-18=-2600/518, 6-18=-2543/538, 6-19=-2550/546, 7-19=-2606/525, 7-8=-2868/505, 8-20=-2853/494, 9-20=-3099/491, 9-10=-3334/461
BOT CHORD 2-13=-257/2566, 13-14=-57/1829, 12-14=-57/1829, 12-15=-57/1829, 11-15=-57/1829, 10-11=-268/2576
WEBS 4-13=-856/293, 6-13=-163/1061, 6-11=-168/1077, 8-11=-871/298

NOTES- (12-13)
1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 11-0-0, Exterior(2) 11-0-0 to 14-0-0, Interior(1) 17-0-0 to 25-0-0 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) TCLL: ASCE 7-05; Pg= 80.0 psf (ground snow); Pf=61.6 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 greater of min roof live load of 17.0 psf or 1.00 times flat roof load of 61.6 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
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) * 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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=353, 10=286.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
12) Dimensions are in feet-inches-sixteenths
13) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GERVAIS/AUBURN, ME
682591	005	FINK	3	1	B_MCO_E125993_11/7/2016 2:44:45 PM Job Reference (optional)

Boise Cascade, Biddeford, ME 04005, Jordan Berard

Run: 7.640 s Feb 22 2016 Print: 7.640 s Feb 22 2016 MiTek Industries, Inc. Tue Nov 0
ID:1c4fo_r9w1ev2?4T9Y843Hz2kJ_-KqhmSrdKk0MvNsQDiLhgRplLL

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/06/17

Scale = 1:59.5

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [10:0-7-10,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	61.6	Plate Grip DOL	1.15	TC	0.74	Vert(LL)	-0.40	12-14	>835	240	MT20	169/123
(Ground Snow=80.0)		Lumber DOL	1.15	BC	0.76	Vert(TL)	-0.65	12-14	>518	180	MT20HS	148/108
TCDL	10.0	Rep Stress Incr	YES	WB	0.52	Horz(TL)	0.11	10	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 148 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF-S No.2
SLIDER Left 2x8 SP M 23 3-11-12, Right 2x8 SP M 23 3-11-12

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-8 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) 2=2428/0-5-8 (min. 0-3-13), 10=2428/0-5-8 (min. 0-3-13)
Max Horz 2=370(LC 8)
Max Uplift2=-352(LC 9), 10=-352(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-17=-3316/450, 3-17=-3083/450, 3-18=-3088/479, 4-18=-2842/482, 4-5=-2857/493, 5-19=-2596/513, 6-19=-2539/533, 6-20=-2539/533, 7-20=-2596/513, 7-8=-2857/493, 8-21=-2842/482, 9-21=-3088/479, 9-22=-3083/450, 10-22=-3316/450
BOT CHORD 2-14=-275/2562, 14-15=-75/1825, 13-15=-75/1825, 13-16=-75/1825, 12-16=-75/1825, 10-12=-275/2562
WEBS 4-14=-861/293, 6-14=-163/1066, 6-12=-163/1066, 8-12=-861/293

NOTES- (12-13)
1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 11-0-0, Exterior(2) 11-0-0 to 14-0-0, Interior(1) 17-0-0 to 26-0-0 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) TCLL: ASCE 7-05; Pg= 80.0 psf (ground snow); Pf=61.6 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 greater of min roof live load of 17.0 psf or 1.00 times flat roof load of 61.6 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
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) * 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, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=352, 10=352.
10) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
12) Dimensions are in feet-inches-sixteenths
13) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GERVAIS/AUBURN, ME
682591	006	GESI	1	1	C_MGE_E125993_11/7/2016 2:44:53 PM Job Reference (optional)

Boise Cascade, Biddeford, ME 04005, Jordan Berard

Run: 7.640 s Feb 22 2016 Print: 7.640 s Feb 22 2016 MiTek Industries, Inc. Tue Nov 0
ID:1c4fo_r9w1ev2?4T9Y843Hz2kJ_-o0F8gBezVJUm?0?PG3Cv_1Ie_v

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/06/17

Scale = 1:46.9

Plate Offsets (X,Y)-- [2:0-2-4,0-1-8], [12:0-2-4,0-1-8], [19:0-3-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	61.6	Plate Grip DOL 1.15	TC	0.24	Vert(LL)	0.01	13	n/r	180	MT20	169/123
(Ground Snow=80.0)		Lumber DOL 1.15	BC	0.13	Vert(TL)	0.01	13	n/r	120		
TCDL	10.0	Rep Stress Incr YES	WB	0.33	Horz(TL)	0.01	12	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007	(Matrix)							Weight: 99 lb	FT = 0%
BCDL	10.0										

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
OTHERS 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 24-0-0.
(lb) - Max Horz 2=296(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 2, 19, 20, 21, 17, 16, 15, 12 except 22=-184(LC 9), 14=-184(LC 10)
Max Grav All reactions 250 lb or less at joint(s) 21, 15 except 2=456(LC 1), 18=261(LC 1), 19=467(LC 14), 20=476(LC 14), 22=625(LC 1), 17=467(LC 15), 16=476(LC 15), 14=625(LC 1), 12=456(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-19=-430/107, 5-20=-426/127, 3-22=-506/213, 8-17=-430/107, 9-16=-426/127, 11-14=-506/212

NOTES- (15-16)
1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Corner(3) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 9-0-0, Corner(3) 9-0-0 to 12-0-0, Exterior(2) 15-0-0 to 22-0-0 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; Pg= 80.0 psf (ground snow); Pf=61.6 psf (flat roof snow); Category II; Exp C; 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 1.00 times flat roof load of 61.6 psf on overhangs non-concurrent with other live loads.
6) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
7) All plates are 1.5x4 MT20 unless otherwise indicated.
8) Gable requires continuous bottom chord bearing.
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) * 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.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 19, 20, 21, 17, 16, 15, 12 except (jt=lb) 22=184, 14=184.
13) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
14) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
15) Dimensions are in feet-inches-sixteenths
16) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GERVAIS/AUBURN, ME
682591	007	FINK	12	1	C_PMT_E125993_11/7/2016 2:44:49 PM Job Reference (optional)

Boise Cascade, Biddeford, ME 04005, Jordan Berard

Run: 7.640 s Feb 22 2016 Print: 7.640 s Feb 22 2016 MiTek Industries, Inc. Tue Nov 0
ID:1c4fo_r9w1ev2?4T9Y843Hz2kJ_-o0F8gBezVJUm?0?PG3Cv_1ITwv

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/06/17

Scale = 1:45.8

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	61.6	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	-0.19	8-10	>999	240	MT20	169/123
(Ground Snow=80.0)		Lumber DOL	1.15	BC	0.60	Vert(TL)	-0.29	8-10	>977	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.09	6	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 85 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 2100F 1.8E
BOT CHORD 2x4 SPF 1650F 1.5E
WEBS 2x4 SPF-S No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
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) 2=2097/0-5-8 (min. 0-3-5), 6=2097/0-5-8 (min. 0-3-5)
Max Horz 2=296(LC 8)
Max Uplift2=-329(LC 9), 6=-329(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-13=-3093/410, 3-13=-2722/441, 3-14=-2618/424, 14-15=-2382/440, 4-15=-2373/458, 4-16=-2373/458, 16-17=-2382/440, 5-17=-2618/424, 5-18=-2722/441, 6-18=-3093/410
BOT CHORD 2-10=-246/2488, 9-10=-33/1622, 9-11=-33/1622, 11-12=-33/1622, 8-12=-33/1622, 6-8=-240/2488
WEBS 3-10=-940/265, 4-10=-143/1059, 4-8=-143/1059, 5-8=-940/265

NOTES- (11-12)
1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 9-0-0, Exterior(2) 9-0-0 to 12-0-0, Interior(1) 15-0-0 to 22-0-0 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) TCLL: ASCE 7-05; Pg= 80.0 psf (ground snow); Pf=61.6 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 greater of min roof live load of 17.0 psf or 1.00 times flat roof load of 61.6 psf on overhangs non-concurrent with other live loads.
5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
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, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=329, 6=329.
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 with fixed heels" Member end fixity model was used in the analysis and design of this truss.
11) Dimensions are in feet-inches-sixteenths
12) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GERVAIS/AUBURN, ME
682591	301	GIRDER	2	2	A_PMT_E125993_11/7/2016 2:44:07 PM Job Reference (optional)

Boise Cascade, Biddeford, ME 04005, Jordan Berard

Run: 7.640 s Feb 22 2016 Print: 7.640 s Feb 22 2016 MiTek Industries, Inc. Tue Nov 0
ID:1c4fo_r9w1ev2?4T9Y843Hz2kJ_-GDpWtXebGdcddAabqmj8XEqjc

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/06/17

Scale = 1:29.0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	61.6	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.06	6-7	>999	240	MT20	169/123
(Ground Snow=80.0)		Lumber DOL	1.15	BC	0.50	Vert(TL)	-0.09	6-7	>999	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.70	Horz(TL)	0.03	5	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 204 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x8 SP M 23
BOT CHORD 2x8 SP M 23
WEBS 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 4-11-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=8219/0-5-8 (min. 0-3-6), 5=7279/0-5-8 (min. 0-3-0)
Max Horz 1=179(LC 16)
Max Uplift1=-1106(LC 8), 5=-981(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-9176/1232, 2-8=-8799/1241, 3-8=-8588/1255, 3-9=-8538/1249, 4-9=-8749/1236, 4-5=-9138/1228
BOT CHORD 1-10=-964/7146, 10-11=-964/7146, 7-11=-964/7146, 7-12=-698/5728, 12-13=-698/5728, 6-13=-698/5728, 6-14=-899/7083, 14-15=-899/7083, 5-15=-899/7083
WEBS 3-6=-625/4358, 4-6=-225/1334, 3-7=-636/4447, 2-7=-216/1279

NOTES- (16-17)
1) Special connection required to distribute top chord loads equally between all plies.
2) Special connection required to distribute bottom chord loads equally between all plies.
3) Special connection required to distribute web loads equally between all plies.
4) 2-ply truss to be connected together with 8d (0.131"x2.5") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 1-0-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 1-0-0 oc.
5) 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.
6) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
7) TCLL: ASCE 7-05; Pg= 80.0 psf (ground snow); Pf=61.6 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
8) Unbalanced snow loads have been considered for this design.
9) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
11) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1106 , 5=981.
13) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
14) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GERVAIS/AUBURN, ME
682591	301	GIRDER	2	2	A_PMT_E125993_11/7/2016 2:44:07 PM Job Reference (optional)

Boise Cascade, Biddeford, ME 04005, Jordan Berard

Run: 7.640 s Feb 22 2016 Print: 7.640 s Feb 22 2016 MiTek Industries, Inc. Tue Nov 0
ID:1c4fo_r9w1ev2?4T9Y843Hz2kJ_-GDpWtXebGdcddAabqmj8XEqj

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/06/17

NOTES- (16-17)

15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2242 lb down and 296 lb up at 1-0-12, 2242 lb down a 3-0-12, 2242 lb down and 296 lb up at 5-0-12, 2242 lb down and 296 lb up at 7-0-12, and 2242 lb down and 296 lb up at 9-0-12, and 2242 lb down and 29 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
16) Dimensions are in feet-inches-sixteenths
17) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-143, 3-5=-143, 1-5=-20
   Concentrated Loads (lb)
   Vert: 10=-2242(B) 11=-2242(B) 12=-2242(B) 13=-2242(B) 14=-2242(B) 15=-2242(B)

Job	Truss	Truss Type	Qty	Ply	GERVAIS/AUBURN, ME
682591	401	Valley	2	1	D_PMT_E125993_11/7/2016 2:44:55 PM Job Reference (optional)

Boise Cascade, Biddeford, ME 04005, Jordan Berard

Run: 7.640 s Feb 22 2016 Print: 7.640 s Feb 22 2016 MiTek Industries, Inc. Tue Nov 0
ID:1c4fo_r9w1ev2?4T9Y843Hz2kJ_-GDpWtXebGdcddAabqmj8XEqlpJ

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/06/17

Scale = 1:17.6

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	61.6	Plate Grip DOL	1.15	TC	0.49	Vert(LL)	n/a	-	n/a	999	MT20	169/123
(Ground Snow=80.0)		Lumber DOL	1.15	BC	0.10	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 22 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E
OTHERS 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. (lb/size) 1=353/8-8-11 (min. 0-2-0), 3=353/8-8-11 (min. 0-2-0), 4=552/8-8-11 (min. 0-2-0)
Max Horz 1=-94(LC 7)
Max Uplift1=-86(LC 9), 3=-90(LC 10), 4=-54(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-4=-455/120

NOTES- (11-12)
1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; 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= 80.0 psf (ground snow); Pf=61.6 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 basic load combinations, which include cases with reductions for multiple concurrent live loads.
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) * 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, 3, 4.
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 with fixed heels" Member end fixity model was used in the analysis and design of this truss.
11) Dimensions are in feet-inches-sixteenths
12) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GERVAIS/AUBURN, ME
682591	402	VALLEY	2	1	D_MGMT_E125993_11/7/2016 2:44:55 PM Job Reference (optional)

Boise Cascade, Biddeford, ME 04005, Jordan Berard

Run: 7.640 s Feb 22 2016 Print: 7.640 s Feb 22 2016 MiTek Industries, Inc. Tue Nov 0
ID:1c4fo_r9w1ev2?4T9Y843Hz2kJ_-kPNu5tfD0xkUEK9oNUEN3SN0

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 03/06/17

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	61.6	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	197/144
(Ground Snow=80.0)		Lumber DOL	1.15	BC	0.11	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2009/TPI2007		(Matrix)							Weight: 10 lb	FT = 0%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 SPF 1650F 1.5E
BOT CHORD 2x4 SPF 1650F 1.5E

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-8 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=303/4-8-11 (min. 0-1-8), 3=303/4-8-11 (min. 0-1-8)
Max Horz 1=-45(LC 7)
Max Uplift1=-58(LC 9), 3=-58(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-317/90, 3-5=-317/90

NOTES- (11-12)
1) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) automatic 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= 80.0 psf (ground snow); Pf=61.6 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 basic load combinations, which include cases with reductions for multiple concurrent live loads.
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) * 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, 3.
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 with fixed heels" Member end fixity model was used in the analysis and design of this truss.
11) Dimensions are in feet-inches-sixteenths
12) Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S) Standard