City of Portland, Oregon - Bureau of Development Services

1900 SW Fourth Avenue · Portland, Oregon 97201 | 503-823-7300 | www.portlandoregon.gov/bds

Permit Revision Submittal Requirements and Application

A Permit Revision is required when there are proposed changes to the project after the permit has been issued. This may arise due to discrepancies between the city-approved permit drawings and actual field conditions, or the customer has changed their mind about an aspect of the project. In all cases, a revision to the existing permit must be submitted, reviewed and approved.

Applicants will provide:

- [x] A copy of this application
- [ ] Three (3) sets of plans that clearly reflect the proposed change(s).
  Drawings and calculations must be stamped and signed by the Architect and/or the Engineer of Record, if applicable.
- [ ] One (1) copy of the original city approved permit drawings. (NOTE: If your project has an assigned process manager please contact them regarding submittal of the revision).
- [ ] Two (2) sets of calculations, if applicable
- [ ] Inspector's correction notice, if revision is due to an inspection correction
- [ ] Revision fee (paid at time of submittal)

Contact Information:

Contact name Mike KOVAL

Address 1441 S.E. 148th Ave

City Portland **State** OR. **Zip Code**

Phone 360 601 7512 **Email** KOVALmichAIC @ YAHOO. COM.

Value of proposed revision **Issued permit #** 17.199138 RS

Job site address 3415 N.E. BRYCE ST.

Description of revision UPDATE TRUSPAK.

Fees:

The Permit Revisions are subject to fees associated with plan review, processing and any increase in project value. Additional fees may apply if adding plumbing fixtures.

The Bureau of Development Services fee schedule is available under the fees tab on the BDS web site at: *www.portlandoregon.gov/bds*. Fees are updated annually on July 1st.

Helpful Information:

Bureau of Development Services
City of Portland, Oregon
1900 SW 4th Avenue, Portland, OR 97201
www.portlandoregon.gov/bds

Submit your plans in person to:

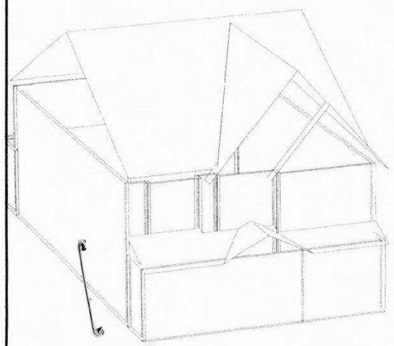
Development Services Center (DSC), First Floor,
For Hours Call 503-823-7310

Important Telephone Numbers:

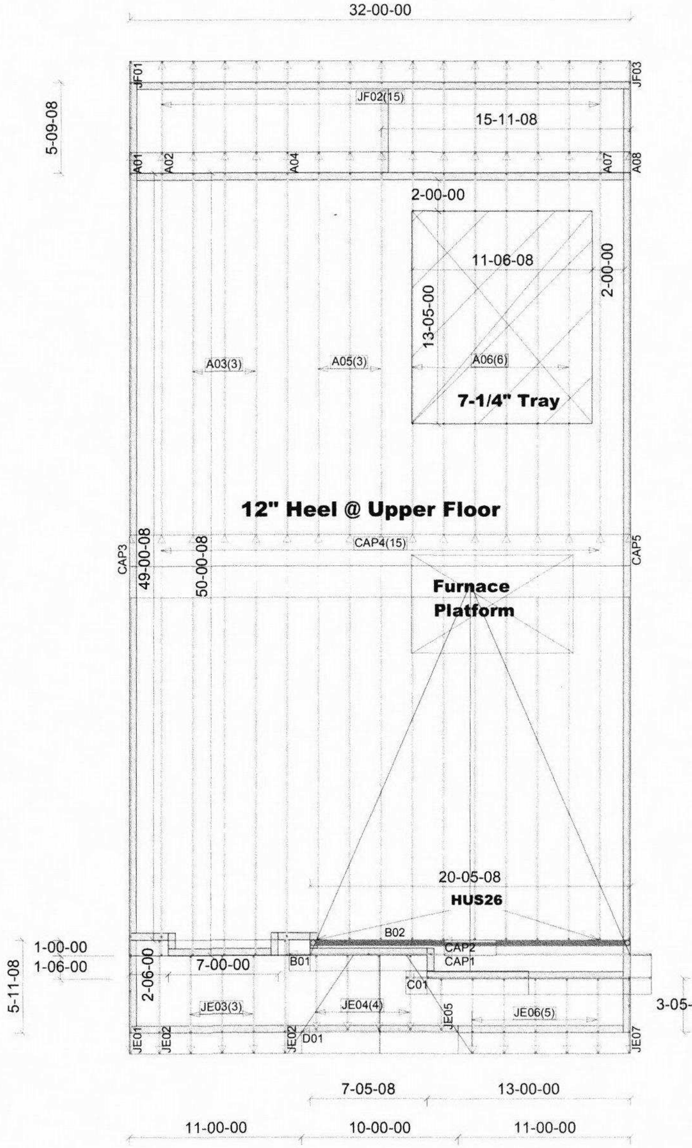
BDS main number	503-823-7300
DSC automated information line	503-823-7310
Building code information	503-823-1456
BDS 24 hour inspection request line	503-823-7000
Residential information for one and two family dwelling	503-823-7388
General Permit Processing and Fee Estimate info	503-823-7357
City of Portland TTY	503-823-6868

17-199138 RV 01 12S 2

TRIANGLE SHAPE ▲ INDICATES LEFT END ON LAYOUT AND TRUSS DRAWING ON STAMPED ENGINEERING PAGE



Use LUS24 Hangers UNO



City of Portland
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FEB 07 2018
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TC LL = 25
TC DL = 7
BC LL = 0
BC DL = 10
Total Load = 42
Wind Speed = 140 mph
Exposure = B
Roof pitch = 4/12 6/12 14/12
Overhang = 16" 16" 12"

DO NOT CUT, DRILL, NOTCH OR MODIFY TRUSS MEMBERS WITHOUT PRIOR APPROVAL FROM PROBUILD TRUSS

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building desi[illegible] at the specification of the building designer. See [illegible] individual design sheets for each truss design identi[illegible] on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult "Bracing of wood trusses" available from the Truss Plate Institute, 583 D'Onifrio Drive; Madison, WI 53179

PROBuild
Builders FirstSource
5350 SW 107th Ave
Beaverton, OR 97005
Phone: 971-371-5971

BUILDER :	Classic Image Homes
PROJECT :	NE Bryce
ADDRESS :	3415 NE Bryce Street, Portland, OR
DATE :	12/14/2017
SALESMAN :	Jody Platta
DESIGNER :	Octavio Cuesta
SCALE :	NTS
QUOTE # :	B1703668
JOB # :	J1702818

MiTek USA, Inc.
250 Klug Circle
Corona, CA 92880
951-245-9525

Re: J1702818
Classic Image Homes

The truss drawing(s) referenced below have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by ProBuild West - Beaverton, OR.

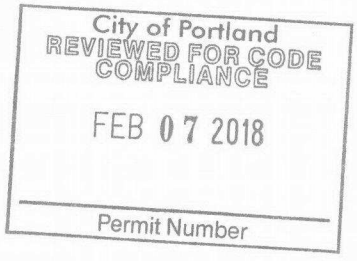
Pages or sheets covered by this seal: K4034363 thru K4034389

My license renewal date for the state of Oregon is December 31, 2019.

December 14,2017

Baxter, David

IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.



Job	Truss	Truss Type	Qty	Ply	Classic Image Homes K4034363
J1702818	A01	GABLE	1	1	Job Reference (optional)

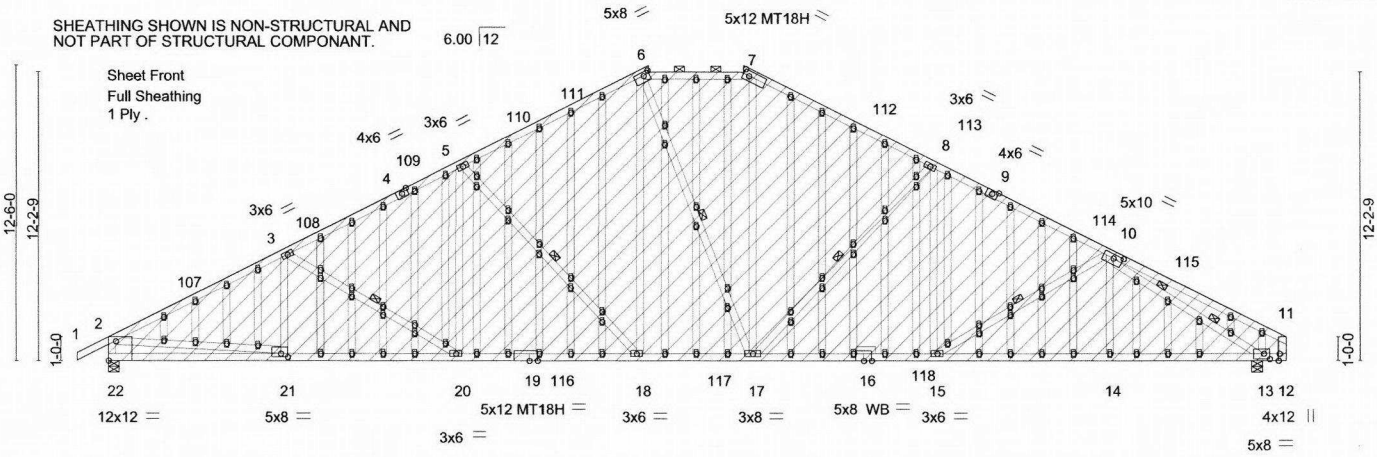
probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:43:53 2017 Page 1
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-fUn0FIExy3aU2?p6tjcfiG3GSFSjdnaQ49J4l?y9_pK

1-4-0	7-5-11	14-11-6	22-7-9	23-0-0	27-0-8	27-4-15	35-1-2	42-6-13	50-0-8
1-4-0	7-5-11	7-5-11	7-8-3	0-4-7	4-0-8	0-4-7	7-8-3	7-5-11	7-5-11

Scale = 1:94.6

SHEATHING SHOWN IS NON-STRUCTURAL AND NOT PART OF STRUCTURAL COMPONANT.

Sheet Front
Full Sheathing
1 Ply .



7-5-11	14-11-6	22-7-9	27-4-15	35-1-2	42-6-13	49-0-8	50-0-8
7-5-11	7-5-11	7-8-3	4-9-5	7-8-3	7-5-11	6-5-11	1-0-0

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [7:0-3-0,0-2-8], [10:0-4-12,0-2-0], [12:0-3-9,Edge], [13:0-3-0,0-2-12], [19:0-4-4,0-0-0], [21:0-3-9,0-1-12], [22:Edge,0-9-14]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	25.0	Plate Grip DOL	1.15	TC	0.94	Vert(LL)	-0.32	18-20	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.69	18-20	>853	180	MT18H	220/195
TCDL	7.0	Rep Stress Incr	YES	WB	0.91	Horz(CT)	0.25	13	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	(Matrix-M)							Weight: 593 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 DF 2400F 2.0E *Except* 6-7: 2x4 DF No.1&Btr G
BOT CHORD	2x4 DF No.1&Btr G
WEBS	2x4 DF No.1&Btr G *Except* 3-21,3-20,5-20,8-15,10-15,10-14,10-13: 2x4 DF Std G
OTHERS	2x4 DF Std G

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-7-5 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 6-3-10 oc bracing.
WEBS	1 Row at midpt 3-20, 5-18, 6-17, 8-17, 10-15 2 Rows at 1/3 pts 10-13

REACTIONS. (lb/size) 22=2149/0-5-8, 13=2124/0-5-8
Max Horz 22=216(LC 12)
Max Uplift 22=-477(LC 12), 13=-442(LC 13)
Max Grav 22=2744(LC 31), 13=2743(LC 31)

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

TOP CHORD	2-107=-4513/1473, 3-107=-4325/1487, 3-108=-4220/1454, 4-108=-4079/1464, 4-109=-3996/1471, 5-109=-3908/1479, 5-110=-3377/1340, 110-111=-3201/1343, 6-111=-3158/1358, 6-7=-2797/1325, 7-112=-3125/1349, 112-113=-3193/1331, 8-113=-3347/1330, 8-9=-3786/1450, 9-114=-3953/1426, 10-114=-4101/1425, 11-115=-297/176, 2-22=-2664/1104, 11-12=-301/313
BOT CHORD	21-22=-384/524, 20-21=-1131/3943, 19-20=-943/3648, 19-116=-943/3648, 18-116=-943/3648, 18-117=-615/2836, 17-117=-615/2836, 17-118=-914/3536, 16-118=-914/3536, 15-16=-914/3536, 14-15=-1059/3591, 13-14=-1058/3591
WEBS	3-20=-347/229, 5-20=-24/434, 5-18=-1168/474, 6-18=-273/969, 6-17=-421/282, 7-17=-300/1012, 8-17=-1080/459, 8-15=-6/364, 10-14=0/264, 2-21=-815/3501, 10-13=-4129/1282

NOTES-

1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Corner(3) -1-4-0 to 3-8-1, Exterior(2) 3-8-1 to 17-9-5, Corner(3) 17-9-5 to 32-5-0, Exterior(2) 32-5-0 to 44-10-11 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) All plates are 2x4 MT20 unless otherwise indicated.

Continued on page 2

City of Portland
REVIEWED FOR CODE COMPLIANCE
FEB 07 2018
Permit Number

REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	A01	GABLE	1	1	K4034363
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:43:53 2017 Page 2
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-fUn0FIExy3aU2?p6tjcfiG3GSFSjdnaQ49J4I?y9_pK

NOTES-

9) Gable studs spaced at 1-4-0 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, with BCDL = 10.0psf.
12) A plate rating reduction of 20% has been applied for the green lumber members.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 22=477, 13=442.
14) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

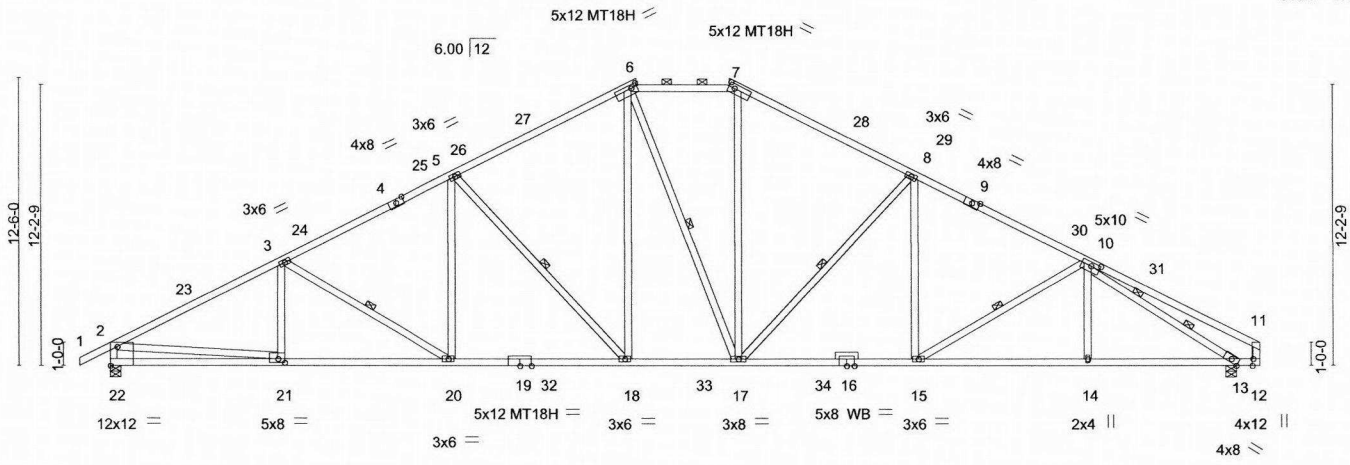
MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	A02	CAL HIP	1	1	K4034364
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:43:54 2017 Page 1
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-7gLOSeFZjNiLg9OIRQ7uFUcWCfoUMF2ZJp2dHRy9_pJ

-1-4-0 7-5-11 14-11-6 22-7-9 23-0-0 27-0-8 27-4-15 35-1-2 42-6-13 50-0-8
1-4-0 7-5-11 7-5-11 7-8-3 0-4-7 4-0-8 0-4-7 7-8-3 7-5-11 7-5-11

Scale = 1:97.1



7-5-11 14-11-6 22-7-9 27-4-15 35-1-2 42-6-13 49-0-8 50-0-8
7-5-11 7-5-11 7-8-3 4-9-5 7-8-3 7-5-11 6-5-11 1-0-0

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [7:0-3-0,0-2-4], [10:0-4-12,0-2-0], [12:0-3-9,Edge], [21:0-3-9,0-2-0], [22:Edge,0-9-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.32	18-20	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.68	18-20	>857	180	MT18H	220/195
TCDL	7.0	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.25	13	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix-S)							Weight: 306 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E *Except* 6-7: 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF No.1&Btr G *Except* 3-21,3-20,5-20,8-15,10-15,10-14,10-13: 2x4 DF Std G
OTHERS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-6-5 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-20, 5-18, 6-17, 8-17, 10-15
2 Rows at 1/3 pts 10-13

REACTIONS. (lb/size) 22=2149/0-5-8, 13=2124/0-5-8
Max Horz 22=216(LC 12)
Max Uplift 22=-477(LC 12), 13=-442(LC 13)
Max Grav 22=2744(LC 31), 13=2743(LC 31)

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FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-23=-4510/851, 3-23=-4321/865, 3-24=-4219/871, 4-24=-4078/880, 4-25=-3995/888, 5-25=-3907/896, 5-26=-3377/825, 26-27=-3340/838, 6-27=-3160/854, 6-7=-2799/835, 7-28=-3128/850, 28-29=-3317/833, 8-29=-3348/821, 8-9=-3784/880, 9-30=-3952/856, 10-30=-4099/855, 11-31=-354/121, 2-22=-2657/679, 11-12=-336/196
BOT CHORD 21-22=-375/593, 20-21=-726/3938, 19-20=-536/3648, 19-32=-536/3648, 18-32=-536/3648, 18-33=-337/2838, 17-33=-337/2838, 17-34=-520/3535, 16-34=-520/3535, 15-16=-520/3535, 14-15=-594/3586, 13-14=-594/3586
WEBS 3-20=-343/230, 5-20=-24/434, 5-18=-1164/379, 6-18=-203/966, 6-17=-428/290, 7-17=-157/1008, 8-17=-1076/365, 8-15=-5/362, 10-14=0/263, 2-21=-476/3418, 10-13=-4067/724

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) -1-4-0 to 3-8-1, Interior(1) 3-8-1 to 15-8-7, Exterior(2) 15-8-7 to 34-5-14, Interior(1) 34-5-14 to 44-10-11 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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) A plate rating reduction of 20% has been applied for the green lumber members.

Continued on page 2

REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	A02	CAL HIP	1	1	K4034364
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:43:55 2017 Page 2
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-bsvng_GBUgqCHJyU?8e7oh9gy38j5iliYToBpty9_pl

NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 22=477, 13=442.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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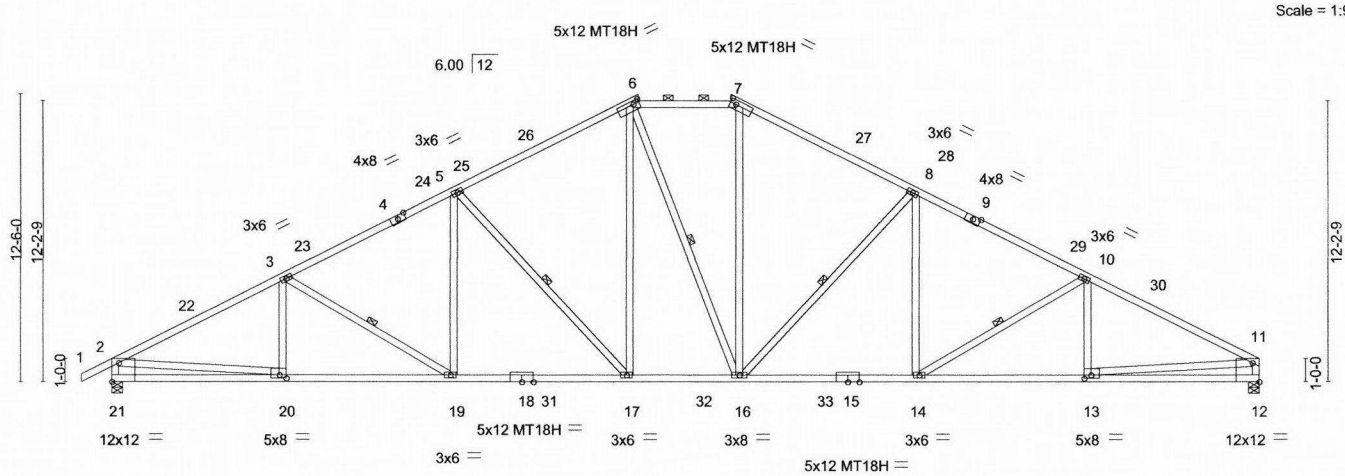
MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes	K4034365
J1702818	A03	CAL HIP	3	1	Job Reference (optional)	

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:43:56 2017 Page 1
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-33T9tKHpF_y3vTXhZr9MKvhrYTVAqE6sn7XkMKy9_pH

1-4-0	7-5-11	14-11-6	22-7-9	23-0-0	27-0-8	27-4-15	35-1-2	42-6-13	50-0-8
1-4-0	7-5-11	7-5-11	7-8-3	0-4-7	4-0-8	0-4-7	7-8-3	7-5-11	7-5-11

Scale = 1:97.1



7-5-11	14-11-6	22-7-9	27-4-15	35-1-2	42-6-13	50-0-8
7-5-11	7-5-11	7-8-3	4-9-5	7-8-3	7-5-11	7-5-11

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [7:0-3-0,0-2-4], [12:Edge,0-9-14], [13:0-3-9,0-1-12], [20:0-3-9,0-1-12], [21:Edge,0-9-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.63	Vert(LL)	-0.33	17-19	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.63	Vert(CT)	-0.71	17-19	>842	180	MT18H	220/195
TCDL	7.0	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.23	12	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix-S)							Weight: 304 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E *Except* 6-7: 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF No.1&Btr G *Except* 3-20,3-19,5-19,8-14,10-14,10-13: 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-5-6 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-19, 5-17, 6-16, 8-16, 10-14

REACTIONS. (lb/size) 21=2186/0-5-8, 12=2088/0-5-8
Max Horz 21=216(LC 12)
Max Uplift 21=-482(LC 12), 12=-435(LC 13)
Max Grav 21=2791(LC 31), 12=2697(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-22=-4596/869, 3-22=-4407/884, 3-23=-4314/891, 4-23=-4173/900, 4-24=-4089/908, 5-24=-4002/916, 5-25=-3475/846, 25-26=-3439/859, 6-26=-3258/875, 6-7=-2906/858, 7-27=-3247/875, 27-28=-3436/858, 8-28=-3467/847, 8-9=-4006/928, 9-29=-4174/904, 10-29=-4321/902, 10-30=-4427/912, 11-30=-4616/898, 2-21=-2704/689, 11-12=-2610/599
BOT CHORD 20-21=-375/598, 19-20=-733/4015, 18-19=-555/3732, 18-31=-555/3732, 17-31=-555/3732, 17-32=-356/2927, 16-32=-356/2927, 16-33=-563/3734, 15-33=-563/3734, 14-15=-563/3734, 13-14=-689/4040, 12-13=-179/506
WEBS 3-19=-336/229, 5-19=-24/432, 5-17=-1159/378, 6-17=-203/961, 6-16=-401/328, 7-16=-169/1063, 8-16=-1211/387, 8-14=-27/433, 10-14=-356/236, 2-20=-491/3489, 11-13=-513/3552

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) -1-4-0 to 3-8-1, Interior(1) 3-8-1 to 15-8-7, Exterior(2) 15-8-7 to 34-5-14, Interior(1) 34-5-14 to 44-10-11 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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) A plate rating reduction of 20% has been applied for the green lumber members.

Continued on page 2

City of Portland
REVIEWED FOR CODE COMPLIANCE
FEB 07 2018
Permit Number

REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	A03	CAL HIP	3	1	K4034365 Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:43:56 2017 Page 2
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-33T9tKHpF_y3vTXhZr9MKvhrYTVAqE6sn7XkMKy9_pH

NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 21=482, 12=435.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

City of Portland
REVIEWED FOR CODE COMPLIANCE
FEB 07 2018
Permit Number

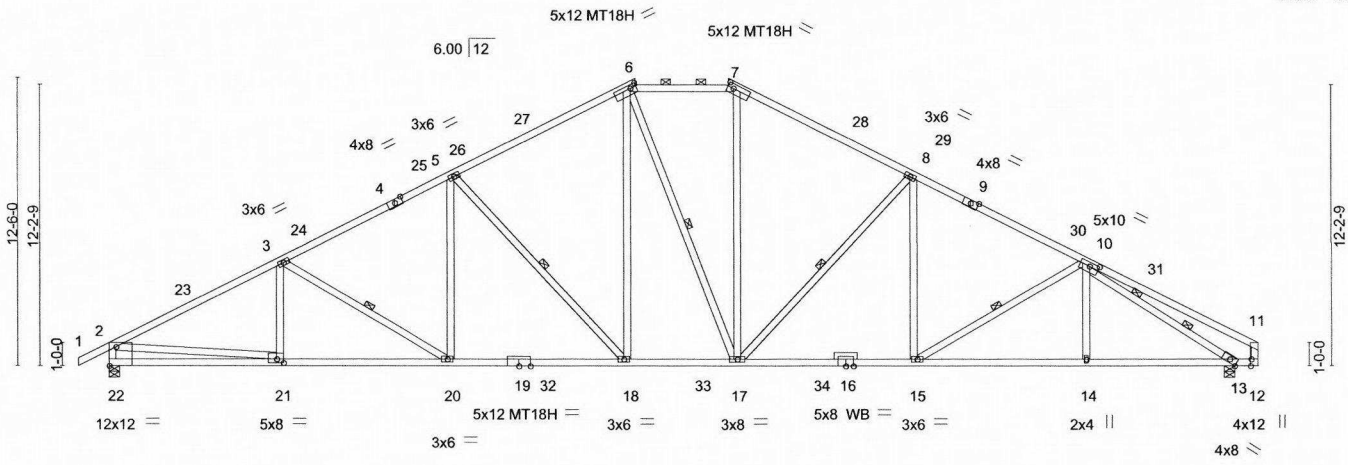
MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	A04	CAL HIP	1	1	K4034366
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:43:58 2017 Page 1
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-?RbvI0l4nbCn8mh3gGCqPKnBCG9PI329ER0rQCy9_pF

-1-4-0	7-5-11	14-11-6	22-7-9	23-0-0	27-0-8	27-4-15	35-1-2	42-6-13	50-0-8
1-4-0	7-5-11	7-5-11	7-8-3	0-4-7	4-0-8	0-4-7	7-8-3	7-5-11	7-5-11

Scale = 1:97.1



7-5-11	14-11-6	22-7-9	27-4-15	35-1-2	42-6-13	49-0-8	50-0-8
7-5-11	7-5-11	7-8-3	4-9-5	7-8-3	7-5-11	6-5-11	1-0-0

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [7:0-3-0,0-2-4], [10:0-4-12,0-2-0], [12:0-3-9,Edge], [21:0-3-9,0-2-0], [22:Edge,0-9-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.62	Vert(LL)	-0.32	18-20	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.71	Vert(CT)	-0.68	18-20	>857	180	MT18H	220/195
TCDL	7.0	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.25	13	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	(Matrix-S)							Weight: 306 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 DF 2400F 2.0E *Except* 6-7: 2x4 DF No.1&Btr G
BOT CHORD	2x4 DF No.1&Btr G
WEBS	2x4 DF No.1&Btr G *Except* 3-21,3-20,5-20,8-15,10-15,10-14,10-13: 2x4 DF Std G
OTHERS	2x4 DF Std G

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-6-5 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 3-20, 5-18, 6-17, 8-17, 10-15 2 Rows at 1/3 pts 10-13

REACTIONS. (lb/size) 22=2149/0-5-8, 13=2124/0-5-8
Max Horz 22=216(LC 12)
Max Uplift22=-477(LC 12), 13=-442(LC 13)
Max Grav 22=2744(LC 31), 13=2743(LC 31)

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

TOP CHORD	2-23=-4510/851, 3-23=-4321/865, 3-24=-4219/871, 4-24=-4078/880, 4-25=-3995/888, 5-25=-3907/896, 5-26=-3377/825, 26-27=-3340/838, 6-27=-3160/854, 6-7=-2799/835, 7-28=-3128/850, 28-29=-3317/833, 8-29=-3348/821, 8-9=-3784/880, 9-30=-3952/856, 10-30=-4099/855, 11-31=-354/121, 2-22=-2657/679, 11-12=-336/196
BOT CHORD	21-22=-375/593, 20-21=-726/3938, 19-20=-536/3648, 19-32=-536/3648, 18-32=-536/3648, 18-33=-337/2838, 17-33=-337/2838, 17-34=-520/3535, 16-34=-520/3535, 15-16=-520/3535, 14-15=-594/3586, 13-14=-594/3586
WEBS	3-20=-343/230, 5-20=-24/434, 5-18=-1164/379, 6-18=-203/966, 6-17=-428/290, 7-17=-157/1008, 8-17=-1076/365, 8-15=-5/362, 10-14=0/263, 2-21=-476/3418, 10-13=-4067/724

NOTES-

1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) -1-4-0 to 3-8-1, Interior(1) 3-8-1 to 15-8-7, Exterior(2) 15-8-7 to 34-5-14, Interior(1) 34-5-14 to 44-10-11 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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) A plate rating reduction of 20% has been applied for the green lumber members.

Continued on page 2

EXPIRES: 12-31-2019
December 14,2017

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes K4034366
J1702818	A04	CAL HIP	1	1	Job Reference (optional)

NOTES-

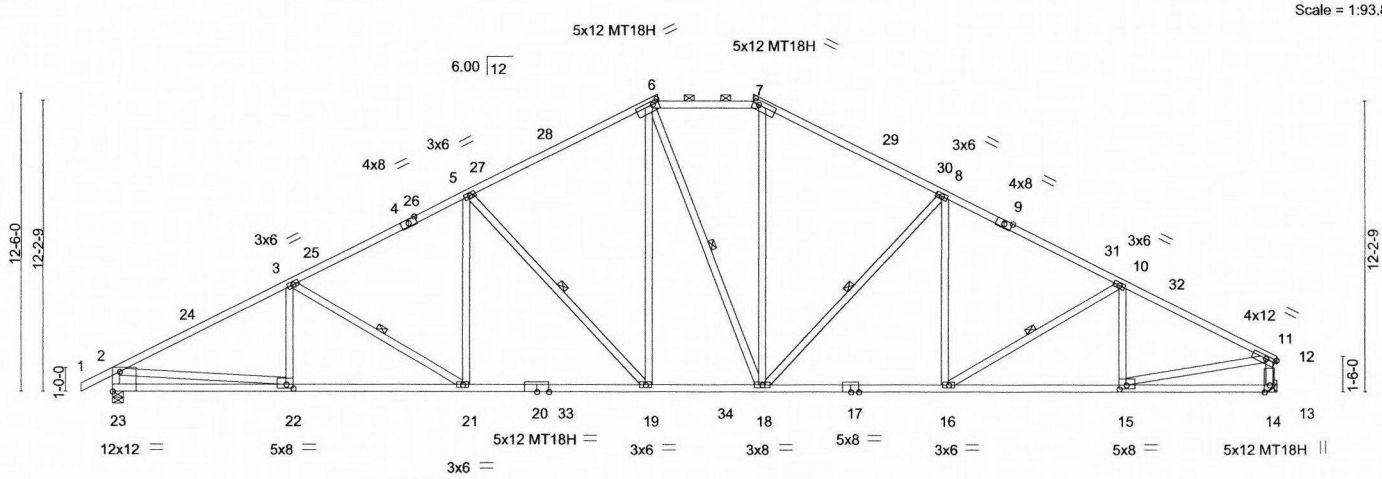
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 22=477, 13=442.
11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes	K4034367
J1702818	A05	CAL HIP	3	1	Job Reference (optional)	

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:43:59 2017 Page 1
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-Td9HVLJiYvKemwGGE_j3yXJKdgX31b9lT5mOyfy9_pE

-1-4-0	7-5-11	14-11-6	22-7-9	23-0-0	27-0-8	27-4-15	35-1-2	42-6-13	49-0-8
1-4-0	7-5-11	7-5-11	7-8-3	0-4-7	4-0-8	0-4-7	7-8-3	7-5-11	6-5-11

Scale = 1:93.8



7-5-11	14-11-6	22-7-9	27-4-15	35-1-2	42-6-13	49-0-8
7-5-11	7-5-11	7-8-3	4-9-5	7-8-3	7-5-11	6-5-11

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [7:0-3-0,0-2-4], [11:0-5-0,0-1-8], [15:0-3-9,0-2-0], [22:0-3-9,0-2-0], [23:Edge,0-9-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.31	19-21	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.66	19-21	>889	180	MT18H	220/195
TCDL	7.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.21	14	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	(Matrix-S)							Weight: 301 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 DF 2400F 2.0E *Except* 6-7: 2x4 DF No.1&Btr G
BOT CHORD	2x4 DF No.1&Btr G
WEBS	2x4 DF No.1&Btr G *Except* 3-22,3-21,5-21,8-16,10-16,10-15,11-14: 2x4 DF Std G

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-6-11 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 3-21, 5-19, 6-18, 8-18, 10-16

REACTIONS. (lb/size) 23=2136/0-5-8, 14=2065/Mechanical
Max Horz 23=225(LC 11)
Max Uplift 23=-476(LC 12), 14=-423(LC 13)
Max Grav 23=2727(LC 31), 14=2689(LC 31)

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

TOP CHORD	2-24=-4479/843, 3-24=-4290/857, 3-25=-4185/862, 4-25=-4044/872, 4-26=-3960/880, 5-26=-3873/888, 5-27=-3341/821, 27-28=-3155/832, 6-28=-3124/846, 6-7=-2761/827, 7-29=-3085/843, 29-30=-3268/825, 8-30=-3305/814, 8-9=-3700/866, 9-31=-3871/850, 10-31=-4015/840, 10-32=-3745/786, 11-32=-3904/774, 2-23=-2641/674, 11-14=-2610/598
BOT CHORD	22-23=-374/592, 21-22=-722/3910, 20-21=-525/3617, 20-33=-525/3617, 19-33=-525/3617, 19-34=-322/2806, 18-34=-322/2806, 17-18=-501/3462, 16-17=-501/3462, 15-16=-559/3422
WEBS	3-21=-346/230, 5-21=-24/435, 5-19=-1166/379, 6-19=-203/967, 6-18=-433/277, 7-18=-157/990, 8-18=-1026/357, 8-16=0/335, 10-15=-588/197, 2-22=-471/3392, 11-15=-505/3302

NOTES-

1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) -1-4-0 to 3-6-14, Interior(1) 3-6-14 to 15-10-2, Exterior(2) 15-10-2 to 34-4-2, Interior(1) 34-4-2 to 44-1-10 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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) A plate rating reduction of 20% has been applied for the green lumber members.
10) Refer to girder(s) for truss to truss connections.

Continued on page 2

City of Portland
REVIEWED FOR CODE COMPLIANCE
FEB 07 2018
Permit Number

REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	A05	CAL HIP	3	1	K4034367
					Job Reference (optional)

NOTES-

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 23=476, 14=423.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	A06	CAL HIP	6	1	K4034368
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:02 2017 Page 1
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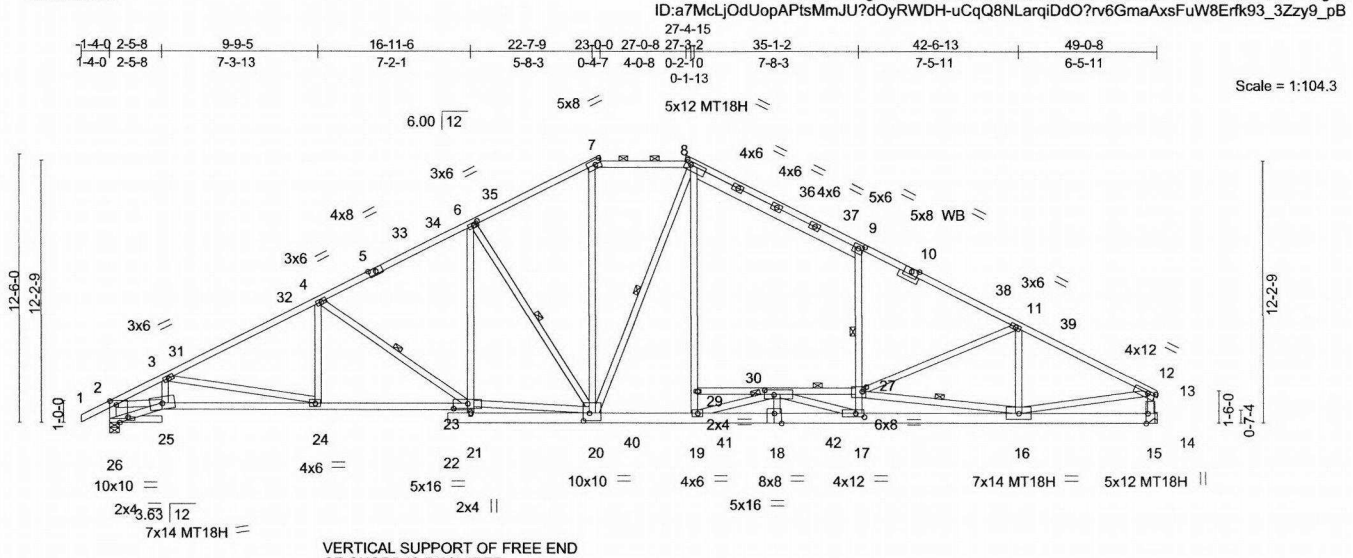


VERTICAL SUPPORT OF FREE END
OF CHORD IS REQUIRED.

2-5-8	9-9-5	16-11-6	22-7-9	27-4-15	31-3-0	35-1-2	42-6-13	49-0-8
2-5-8	7-3-13	7-2-1	5-8-3	4-9-5	3-10-1	3-10-1	7-5-11	6-5-11

Plate Offsets (X,Y)-- [6:0-2-12,0-1-8], [7:0-3-3,0-2-8], [8:0-3-0,0-1-12], [9:0-3-0,0-2-4], [12:0-4-4,0-1-8], [15:0-5-8,Edge], [17:0-4-12,0-2-0], [18:0-4-0,Edge], [20:0-3-8,0-4-4], [23:0-8-0,0-2-12], [26:0-4-10,0-3-1], [26:0-3-9,Edge], [27:0-2-4,0-2-8], [30:0-5-4,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.68	Vert(LL)	-0.55	17	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.72	Vert(CT)	-1.07	16-17	>543	180	MT18H	220/195
TCDL	7.0	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.33	15	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix-S)							Weight: 377 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 DF 2400F 2.0E *Except* 7-8: 2x4 DF No.1&Btr G
BOT CHORD	2x4 DF No.1&Btr G *Except* 18-22,14-18: 2x6 DF 2400F 2.0E
WEBS	2x4 DF Std G *Except* 6-20,7-20,8-19,2-25,8-20,12-16,20-23: 2x4 DF No.1&Btr G 8-9: 2x6 DF No.2
OTHERS	2x4 DF Std G

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-5-14 max.): 7-8.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 4-23, 6-20, 9-17, 8-20, 27-30, 16-27
JOINTS	1 Brace at Jt(s): 30

REACTIONS. (lb/size) 26=2223/0-5-8, 15=2201/Mechanical
Max Horz 26=220(LC 11)
Max Uplift 26=-393(LC 12), 15=-294(LC 13)
Max Grav 26=2823(LC 31), 15=2821(LC 31)

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

TOP CHORD	2-3=-5160/802, 3-31=-5189/758, 31-32=-5129/768, 4-32=-5015/782, 4-5=-4446/723, 5-33=-4291/732, 33-34=-4266/734, 6-34=-4120/747, 6-35=-3466/683, 7-35=-3294/703, 7-8=-2947/681, 8-36=-3413/651, 36-37=-3454/634, 9-37=-3609/626, 9-10=-3419/491, 10-38=-3472/478, 11-38=-3639/466, 11-39=-4083/596, 12-39=-4242/584, 2-26=-2789/541, 12-15=-2761/465
BOT CHORD	20-40=-159/3044, 19-40=-159/3044, 19-41=-302/4724, 18-41=-302/4724, 18-42=-312/4721, 17-42=-312/4721, 16-17=-1000/6740, 24-25=-885/4600, 23-24=-599/4588
WEBS	4-24=0/366, 4-23=-939/324, 6-23=-139/1018, 6-20=-1622/413, 7-20=-141/1236, 19-29=-56/1105, 8-29=-55/1115, 17-27=-714/457, 9-27=-755/361, 11-27=-699/408, 2-25=-688/4466, 3-24=-214/291, 8-20=-594/171, 27-30=-3743/1086, 19-30=-1850/360, 17-30=-791/2220, 16-27=-3040/696, 12-16=-323/3598, 20-23=-340/3657

NOTES-

1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) -1-4-0 to 3-6-14, Interior(1) 3-6-14 to 15-8-6, Exterior(2) 15-8-6 to 33-11-13, Interior(1) 33-11-13 to 44-1-10 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) 200.0lb AC unit load placed on the bottom chord, 31-3-0 from left end, supported at two points, 5-0-0 apart.

Continued on page 2

City of Portland
REVIEWED FOR CODE COMPLIANCE
FEB 07 2018
Permit Number

REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes K4034368
J1702818	A06	CAL HIP	6	1	Job Reference (optional)

NOTES-

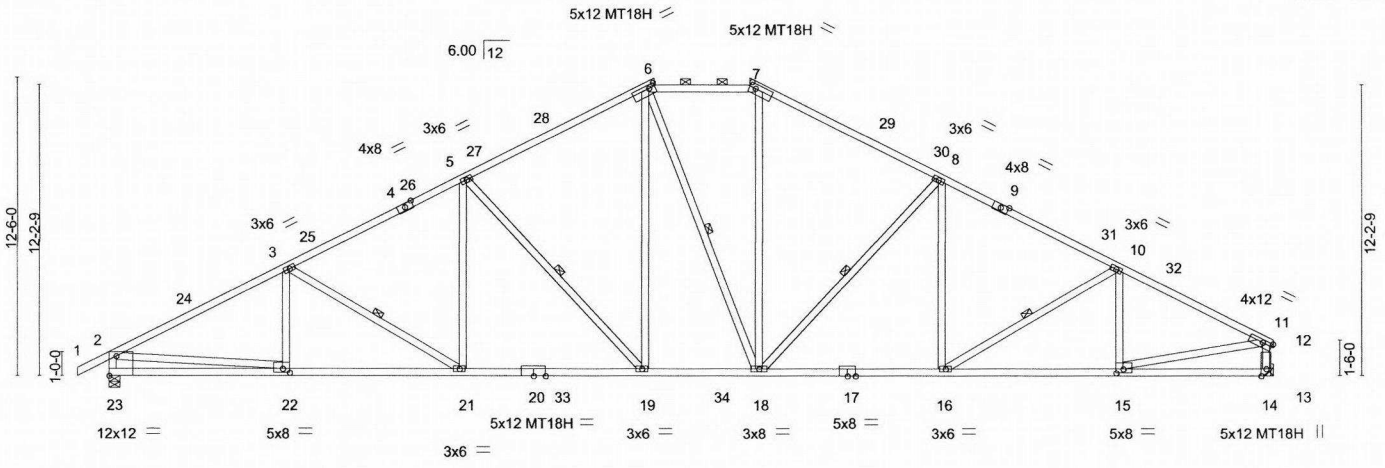
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord 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) A plate rating reduction of 20% has been applied for the green lumber members.
11) Refer to girder(s) for truss to truss connections.
12) Bearing at joint(s) 26 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 26=393, 15=294.
14) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	A07	CAL HIP	1	1	K4034369
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:03 2017 Page 1
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-MPOoLjMCc7q3FXa1Tpn?6NU0dHu?zP8uOjkc5Qy9_pA

1-4-0	7-5-11	14-11-6	22-7-9	23-0-0	27-0-8	27-4-15	35-1-2	42-6-13	49-0-8
1-4-0	7-5-11	7-5-11	7-8-3	0-4-7	4-0-8	0-4-7	7-8-3	7-5-11	6-5-11

Scale = 1:93.8



7-5-11	14-11-6	22-7-9	27-4-15	35-1-2	42-6-13	49-0-8
7-5-11	7-5-11	7-8-3	4-9-5	7-8-3	7-5-11	6-5-11

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [7:0-3-0,0-2-4], [11:0-5-0,0-1-8], [15:0-3-9,0-2-0], [22:0-3-9,0-2-0], [23:Edge,0-9-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.76	Vert(LL)	-0.31	19-21	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.62	Vert(CT)	-0.66	19-21	>889	180	MT18H	220/195
TCDL	7.0	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.21	14	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	(Matrix-S)							Weight: 301 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF 2400F 2.0E *Except* 6-7: 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF No.1&Btr G *Except* 3-22,3-21,5-21,8-16,10-16,10-15,11-14: 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-6-11 max.): 6-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-21, 5-19, 6-18, 8-18, 10-16

REACTIONS. (lb/size) 23=2136/0-5-8, 14=2065/Mechanical
Max Horz 23=225(LC 11)
Max Uplift 23=-476(LC 12), 14=-423(LC 13)
Max Grav 23=2727(LC 31), 14=2689(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-24=-4479/843, 3-24=-4290/857, 3-25=-4185/862, 4-25=-4044/872, 4-26=-3960/880, 5-26=-3873/888, 5-27=-3341/821, 27-28=-3155/832, 6-28=-3124/846, 6-7=-2761/827, 7-29=-3085/843, 29-30=-3268/825, 8-30=-3305/814, 8-9=-3700/866, 9-31=-3871/850, 10-31=-4015/840, 10-32=-3745/786, 11-32=-3904/774, 2-23=-2641/674, 11-14=-2610/598
BOT CHORD 22-23=-374/592, 21-22=-722/3910, 20-21=-525/3617, 20-33=-525/3617, 19-33=-525/3617, 19-34=-322/2806, 18-34=-322/2806, 17-18=-501/3462, 16-17=-501/3462, 15-16=-559/3422
WEBS 3-21=-346/230, 5-21=-24/435, 5-19=-1166/379, 6-19=-203/967, 6-18=-433/277, 7-18=-157/990, 8-18=-1026/357, 8-16=0/335, 10-15=-588/197, 2-22=-471/3392, 11-15=-505/3302

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) -1-4-0 to 3-6-14, Interior(1) 3-6-14 to 15-10-2, Exterior(2) 15-10-2 to 34-4-2, Interior(1) 34-4-2 to 44-1-10 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
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) A plate rating reduction of 20% has been applied for the green lumber members.
10) Refer to girder(s) for truss to truss connections.

Continued on page 2

EXPIRES: 12-31-2019
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Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	A07	CAL HIP	1	1	K4034369
					Job Reference (optional)

NOTES-

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 23=476, 14=423.
12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.
13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

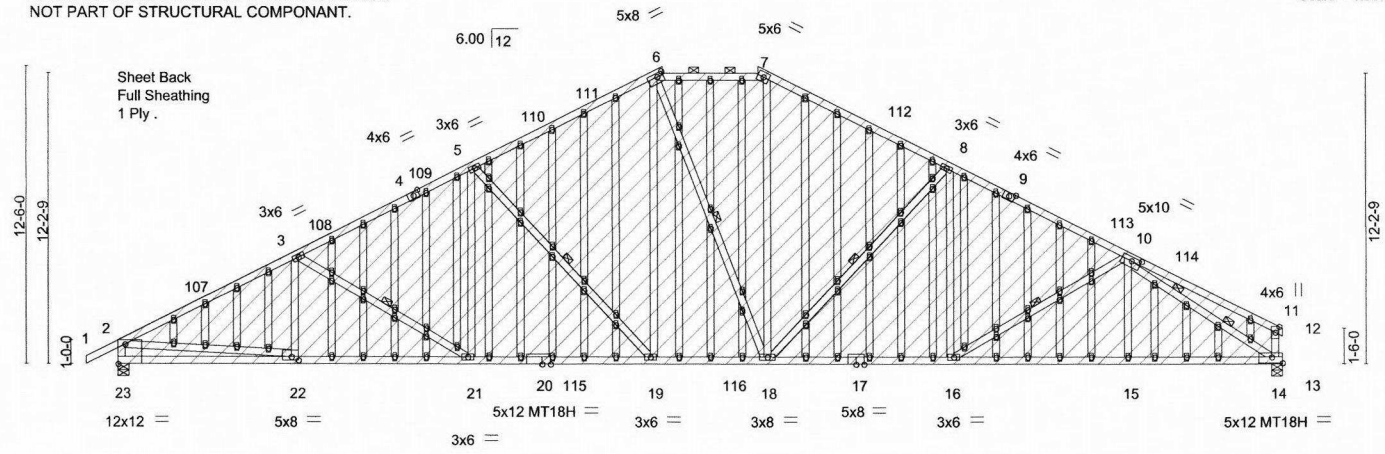
Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	A08	GABLE	1	1	K4034370
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:15 2017 Page 1
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-?i6KsqVknpLNhNUKAL?pcv_037zEnmMf8aeFXjy9_p_

1-4-0	7-5-11	14-11-6	22-7-9	23-0-0	27-0-8	27-4-15	35-1-2	42-6-13	49-0-8
1-4-0	7-5-11	7-5-11	7-8-3	0-4-7	4-0-8	0-4-7	7-8-3	7-5-11	6-5-11

SHEATHING SHOWN IS NON-STRUCTURAL AND NOT PART OF STRUCTURAL COMPONANT.

Scale = 1:93.9



7-5-11	14-11-6	22-7-9	27-4-15	35-1-2	42-6-13	49-0-8
7-5-11	7-5-11	7-8-3	4-9-5	7-8-3	7-5-11	6-5-11

Plate Offsets (X,Y)-- [6:0-3-0,0-1-12], [10:0-4-12,0-2-0], [14:0-5-8,0-3-0], [20:0-4-4,0-0-0], [22:0-3-9,0-1-12], [23:Edge,0-9-14]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.93	Vert(LL)	-0.32	19-21	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.65	Vert(CT)	-0.67	19-21	>868	180	MT18H	220/195
TCDL	7.0	Rep Stress Incr	YES	WB	0.82	Horz(CT)	0.24	14	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix-M)							Weight: 588 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 DF 2400F 2.0E *Except* 6-7: 2x4 DF No.1&Btr G
BOT CHORD	2x4 DF No.1&Btr G
WEBS	2x4 DF Std G *Except* 5-19,6-19,6-18,7-18,8-18,2-23,2-22: 2x4 DF No.1&Btr G
OTHERS	2x4 DF Std G

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-7-10 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 6-4-2 oc bracing.
WEBS	1 Row at midpt 3-21, 5-19, 6-18, 8-18, 10-16 2 Rows at 1/3 pts 10-14

REACTIONS. (lb/size) 23=2136/0-5-8, 14=2065/0-5-8
Max Horz 23=225(LC 11)
Max Uplift 23=-476(LC 12), 14=-423(LC 13)
Max Grav 23=2727(LC 31), 14=2689(LC 31)

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

TOP CHORD	2-107=-4482/1452, 3-107=-4293/1467, 3-108=-4186/1433, 4-108=-4045/1443, 4-109=-3961/1451, 5-109=-3874/1458, 5-110=-3341/1320, 110-111=-3155/1324, 6-111=-3122/1338, 6-7=-2758/1304, 7-112=-3082/1328, 8-112=-3305/1311, 8-9=-3702/1415, 9-113=-3874/1400, 10-113=-4016/1390, 10-114=-210/379, 11-114=-369/367, 2-23=-2647/1092, 11-14=-341/399
BOT CHORD	22-23=-383/524, 21-22=-1117/3915, 20-21=-929/3618, 20-115=-929/3618, 19-115=-929/3618, 19-116=-602/2804, 18-116=-602/2804, 17-18=-889/3465, 16-17=-889/3465, 15-16=-1002/3416, 14-15=-1002/3417
WEBS	3-21=-350/229, 5-21=-24/435, 5-19=-1170/472, 6-19=-271/970, 6-18=-426/268, 7-18=-299/995, 8-18=-1033/445, 8-16=0/335, 10-15=0/264, 2-22=-804/3475, 10-14=-3890/1049

NOTES-

1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Corner(3) -1-4-0 to 3-6-14, Exterior(2) 3-6-14 to 17-10-8, Corner(3) 17-10-8 to 32-3-12, Exterior(2) 32-3-12 to 44-1-10 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 18.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
6) Provide adequate drainage to prevent water ponding.
7) All plates are MT20 plates unless otherwise indicated.
8) All plates are 2x4 MT20 unless otherwise indicated.

Continued on page 2

EXPIRES: 12-31-2019
December 14,2017

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes K4034370
J1702818	A08	GABLE	1	1	Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:15 2017 Page 2
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-?i6KsqVknpLNhNUKAL?pcv_037zEnmMf8aeFXjy9_p_

NOTES-

9) Gable studs spaced at 1-4-0 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, with BCDL = 10.0psf.
12) A plate rating reduction of 20% has been applied for the green lumber members.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 23=476, 14=423.
14) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes	K4034371
J1702818	B01	GABLE	1	1	Job Reference (optional)	

probuild, beaverton or

7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:16 2017 Page 1
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-Tvgj49WMY7TDIX3Xk2W287WM4XOoWJXoNENo29y9_oz

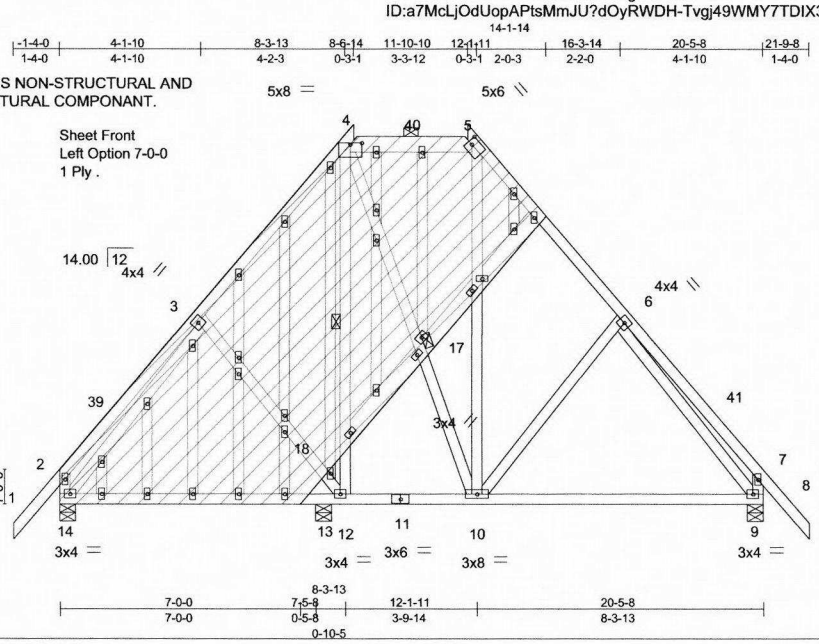


Plate Offsets (X,Y)-- [4:0-4-0,0-0-8], [5:0-1-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.12	9-10	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.38	Vert(CT)	-0.35	9-10	>431	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.44	Horz(CT)	0.01	9	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix)							Weight: 239 lb	FT = 10%
BCDL	10.0											

LUMBER-

TOP CHORD	2x4 DF No.1&Btr G *Except* 4-5,15-16: 2x6 DF No.2
BOT CHORD	2x4 DF No.1&Btr G
WEBS	2x4 DF Std G *Except* 4-12,4-10,5-10: 2x4 DF No.1&Btr G, 16-17,17-18: 2x6 DF No.2
OTHERS	2x4 DF Std G

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-12.
WEBS	1 Row at midpt 4-12
JOINTS	1 Brace at Jt(s): 17

REACTIONS. (lb/size) 14=636/0-5-8, 9=759/0-5-8, 13=488/0-5-8
Max Horz 14=-369(LC 8)
Max Uplift 14=-237(LC 11), 9=-237(LC 11)
Max Grav 14=636(LC 1), 9=759(LC 1), 13=629(LC 3)

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

TOP CHORD	2-39=-143/330, 3-39=-81/352, 3-4=-387/413, 4-40=-355/336, 5-40=-355/336, 5-6=-521/387, 6-41=-81/352, 7-41=-144/330, 2-14=-257/405, 7-9=-257/405
BOT CHORD	13-14=-270/394, 12-13=-270/394, 11-12=-221/257, 10-11=-221/257, 9-10=-49/355
WEBS	3-12=-314/302, 12-18=-380/0, 4-18=-388/0, 4-17=-37/333, 10-17=-37/328, 6-10=-299/302, 3-14=-465/161, 6-9=-602/98

NOTES-

1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 4-0-8, Exterior(2) 4-0-8 to 16-5-0, Interior(1) 16-5-0 to 18-9-8 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.1
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 1-4-0 oc.
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.
10) A plate rating reduction of 20% has been applied for the green lumber members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=237, 9=237.
12) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2

City of Portland
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FEB 07 2018
Permit Number

REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes K4034371
J1702818	B01	GABLE	1	1	Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:16 2017 Page 2
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NOTES-

13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

City of Portland
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FEB 07 2018
Permit Number

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	B02	CAL HIP	1	3	K4034372
					Job Reference (optional)

probuild, beaverton or

7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:33 2017 Page 1
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-UAC8e_j1XLcpr9soD7K1KijEPNA0?vGIHN?B8gy9_oi

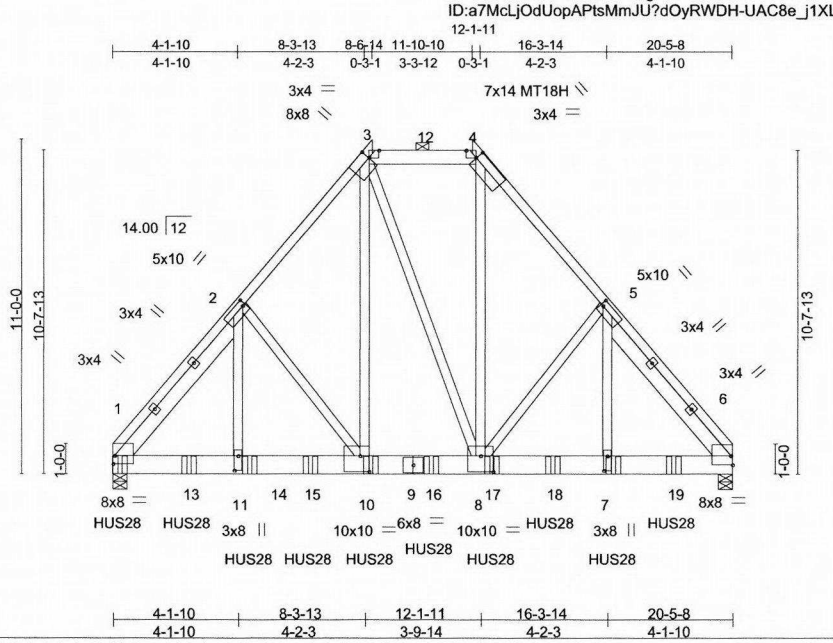

Plate Offsets (X,Y)-- [1:Edge,0-3-4], [2:0-1-0,0-2-4], [3:0-3-14,Edge], [3:0-3-8,0-0-4], [4:0-3-14,Edge], [4:0-0-4,0-3-4], [5:0-1-0,0-2-4], [6:Edge,0-3-8], [7:0-5-12,0-1-8], [8:0-5-0,0-6-4], [10:0-3-9,0-6-4], [11:0-5-12,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.08	10-11	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.49	Vert(CT)	-0.17	10-11	>999	180	MT18H	220/195
TCDL	7.0	Rep Stress Incr	NO	WB	0.79	Horz(CT)	0.04	6	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix)							Weight: 600 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G *Except* 3-4: 2x6 DF No.2
BOT CHORD 2x8 DF SS
WEBS 2x4 DF Std G *Except* 3-10,3-8,4-8: 2x4 DF No.1&Btr G
SLIDER Left 2x6 DF No.2 6-0-9, Right 2x6 DF No.2 6-0-9

REACTIONS. (lb/size) 1=15578/0-5-8 (req. 0-5-9), 6=13593/0-5-8
Max Horz 1=303(LC 7)
Max Uplift 1=-2149(LC 9), 6=-1721(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-14736/1950, 2-3=-10911/1498, 3-12=-7238/1063, 4-12=-7238/1063, 4-5=-11121/1503, 5-6=-14860/1843
BOT CHORD 1-13=-1266/8790, 11-13=-1266/8790, 11-14=-1266/8790, 14-15=-1266/8790, 10-15=-1266/8790, 9-10=-919/7106, 9-16=-919/7106, 8-16=-919/7106, 8-17=-1043/8888, 17-18=-1043/8888, 7-18=-1043/8888, 7-19=-1043/8888, 6-19=-1043/8888
WEBS 2-11=-771/5387, 2-10=-2541/678, 3-10=-1064/7433, 3-8=-130/386, 4-8=-1045/7953, 5-8=-2475/577, 5-7=-601/5259

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

SUPPLEMENTARY BEARING PLATES, SPECIAL ANCHORAGE, OR OTHER MEANS TO ALLOW FOR THE MINIMUM REQUIRED SUPPORT WIDTH (SUCH AS COLUMN CAPS, BEARING BLOCKS, ETC.) ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER OR THE BUILDING DESIGNER.

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FEB 07 2018
Permit Number

NOTES-
1) 3-ply truss to be connected together with 10d (0.120"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 4 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 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) TCLL: ASCE 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.1
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) The Fabrication Tolerance at joint 3 = 0%, joint 4 = 0%, joint 3 = 0%, joint 4 = 0%
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) A plate rating reduction of 20% has been applied for the green lumber members.
11) WARNING: Required bearing size at joint(s) 1 greater than input bearing size.

Continued on page 2

REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	B02	CAL HIP	1	3	K4034372

probuild, beaverton or — Job Reference (optional)

ID:a7McLjOdUopAPtsMmJU?dOyRWDH-UAC8e_j1XLcpr9soD7K1KijEPNA0?vGIHN?B8gy9_oi

NOTES-

12) Solid blocking is required on both sides of the truss at joint(s), 1, 6.
13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=2149, 6=1721.
14) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.
15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
16) Use Simpson Strong-Tie HUS28 (22-16d Girder, 4-16d Truss, Single Ply Girder) or equivalent spaced at 2-3-8 oc max. starting at 0-2-12 from the left end to 18-6-4 to connect truss(es) to back face of bottom chord.
17) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-3=-64, 3-4=-64, 4-6=-64, 1-6=-20
   Concentrated Loads (lb)
   Vert: 1=-2676(B) 10=-2801(B) 7=-2801(B) 13=-2669(B) 14=-2669(B) 15=-2801(B) 16=-2801(B) 17=-2801(B) 18=-2801(B) 19=-2669(B)

City of Portland
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FEB 07 2018
Permit Number

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	C01	GABLE	1	1	K4034373
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:34 2017 Page 1
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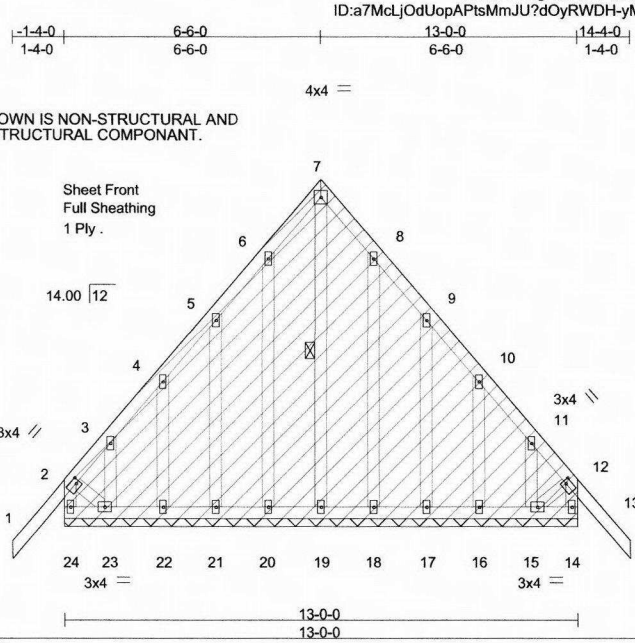

Plate Offsets (X,Y)-- [2:0-1-0,0-1-8], [12:0-1-0,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	0.02	13	n/r	90	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	0.02	13	n/r	120		
TCDL	7.0	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	15	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix)							Weight: 112 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G
OTHERS 2x4 DF Std G

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: 23-24,14-15.
WEBS 1 Row at midpt 7-19

REACTIONS. All bearings 13-0-0.
(lb) - Max Horz 24=307(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 19 except 24=-166(LC 8), 14=-115(LC 9), 20=-111(LC 10), 21=-120(LC 10), 22=-132(LC 10), 23=-209(LC 10), 18=-109(LC 11), 17=-121(LC 11), 16=-131(LC 11), 15=-200(LC 11)
Max Grav All reactions 250 lb or less at joint(s) 19, 20, 21, 22, 23, 18, 17, 16, 15 except 24=305(LC 20), 14=304(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-233/271, 11-12=-213/271, 2-24=-297/326, 12-14=-296/326
BOT CHORD 23-24=-303/295, 22-23=-151/340, 21-22=-151/340, 20-21=-151/340, 19-20=-151/340, 18-19=-151/340, 17-18=-151/340, 16-17=-151/340, 15-16=-151/340
WEBS 2-23=-209/408, 12-15=-176/408

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Corner(3) -1-4-0 to 1-8-0, Exterior(2) 1-8-0 to 3-6-0, Corner(3) 3-6-0 to 6-6-0, Exterior(2) 9-6-0 to 11-4-0 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.1
4) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 25.0 psf on overhangs non-concurrent with other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 1-4-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.
11) A plate rating reduction of 20% has been applied for the green lumber members.
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19 except (jt=lb) 24=166, 14=115, 20=111, 21=120, 22=132, 23=209, 18=109, 17=121, 16=131, 15=200.

Continued on page 2

EXPIRES: 12-31-2019
December 14,2017

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	C01	GABLE	1	1	K4034373
					Job Reference (optional)

NOTES-

13) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

City of Portland
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FEB 07 2018
Permit Number

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	CAP1	KINGPOST	1	1	K4034374
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:35 2017 Page 1
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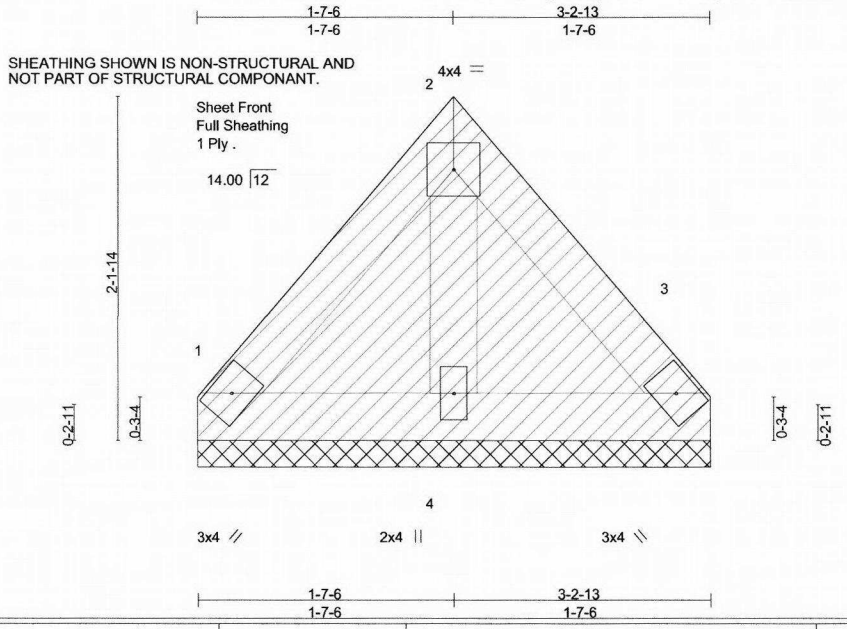

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.01	Vert(CT)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	(Matrix)							Weight: 13 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=81/3-2-13, 3=81/3-2-13, 4=85/3-2-13
Max Horz 1=-53(LC 6)
Max Uplift 1=-32(LC 11), 3=-28(LC 10)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.1
3) Gable requires continuous bottom chord bearing.
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) A plate rating reduction of 20% has been applied for the green lumber members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
8) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

City of Portland
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FEB 07 2018
Permit Number

REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	CAP2	KINGPOST	1	1	K4034375
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:35 2017 Page 1
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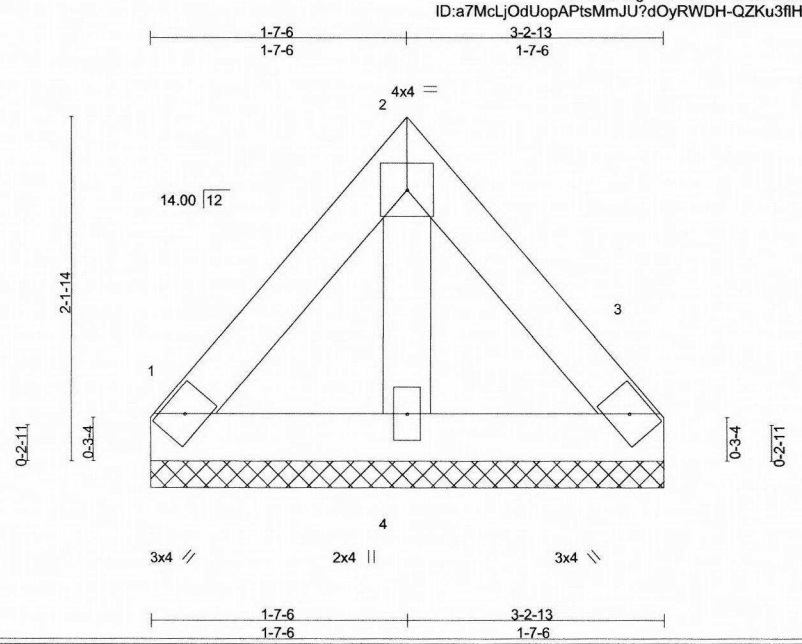

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.01	Vert(CT)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	(Matrix)								
BCDL	10.0										Weight: 13 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=81/3-2-13, 3=81/3-2-13, 4=85/3-2-13
Max Horz 1=-53(LC 6)
Max Uplift 1=-32(LC 11), 3=-28(LC 10)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.1
3) Gable requires continuous bottom chord bearing.
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) A plate rating reduction of 20% has been applied for the green lumber members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
8) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

City of Portland
REVIEWED FOR CODE COMPLIANCE
FEB 07 2018
Permit Number

REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	CAP3	KINGPOST	1	1	K4034376
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:36 2017 Page 1
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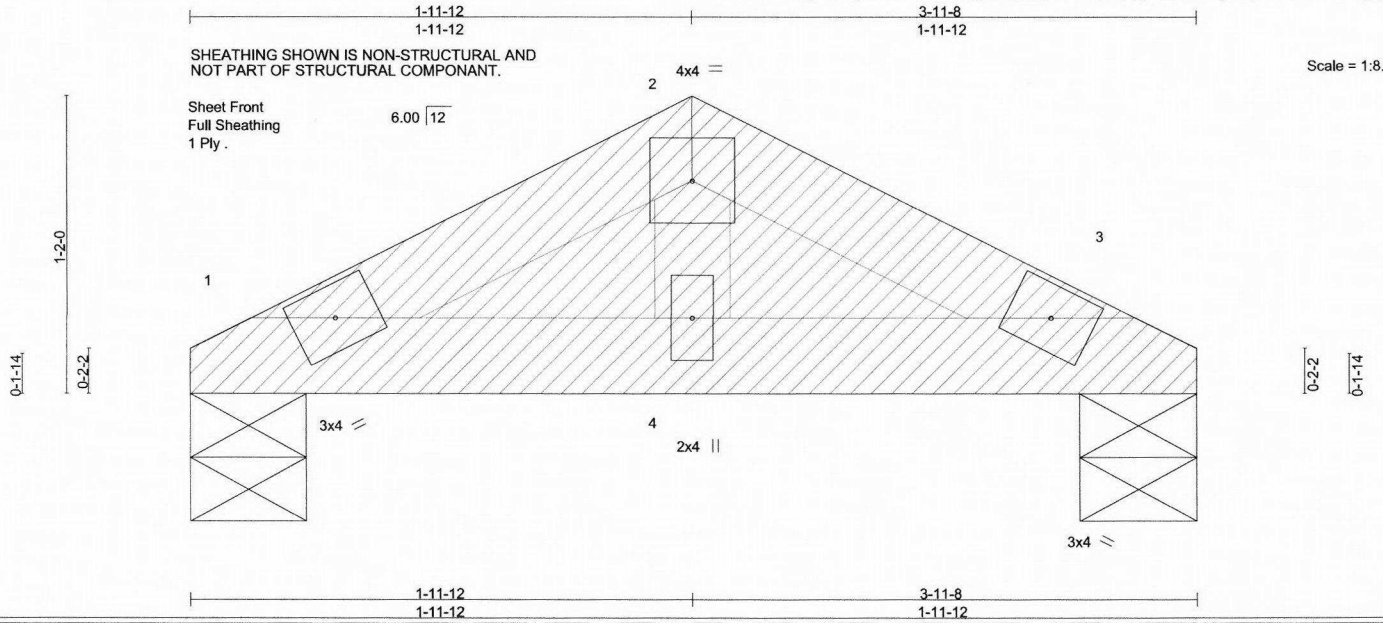

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	-0.00	1	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	4	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	(Matrix)								
BCDL	10.0										Weight: 12 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G

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

REACTIONS. (lb/size) 1=147/0-5-8, 3=147/0-5-8
Max Horz 1=17(LC 12)
Max Uplift 1=-32(LC 12), 3=-32(LC 13)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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) A plate rating reduction of 20% has been applied for the green lumber members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
8) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

EXPIRES: 12-31-2019
December 14,2017

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes	K4034377
J1702818	CAP4	KINGPOST	15	1	Job Reference (optional)	

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:36 2017 Page 1
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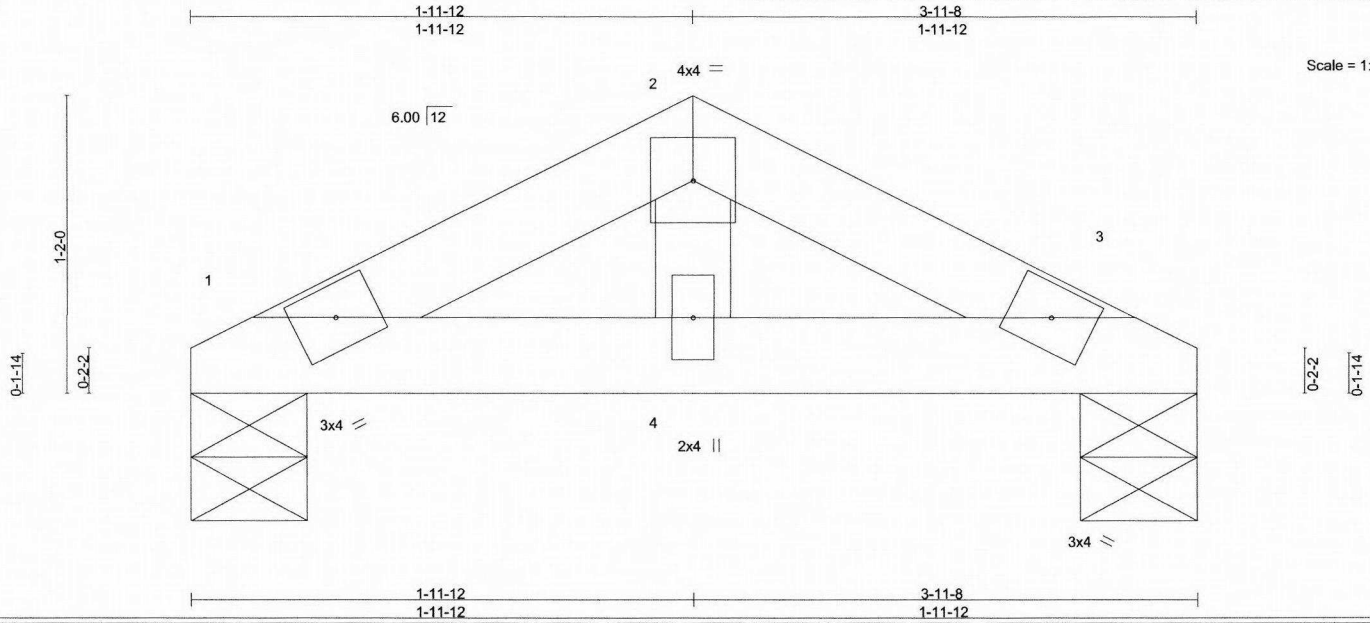

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	-0.00	1	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	4	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix)							Weight: 12 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G

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

REACTIONS. (lb/size) 1=147/0-5-8, 3=147/0-5-8
Max Horz 1=17(LC 12)
Max Uplift 1=-32(LC 12), 3=-32(LC 13)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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) A plate rating reduction of 20% has been applied for the green lumber members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
8) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

City of Portland
REVIEWED FOR CODE COMPLIANCE
FEB 07 2018
Permit Number

REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	CAP5	KINGPOST	1	1	K4034378
					Job Reference (optional)

probuild, beaverton or

7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:37 2017 Page 1
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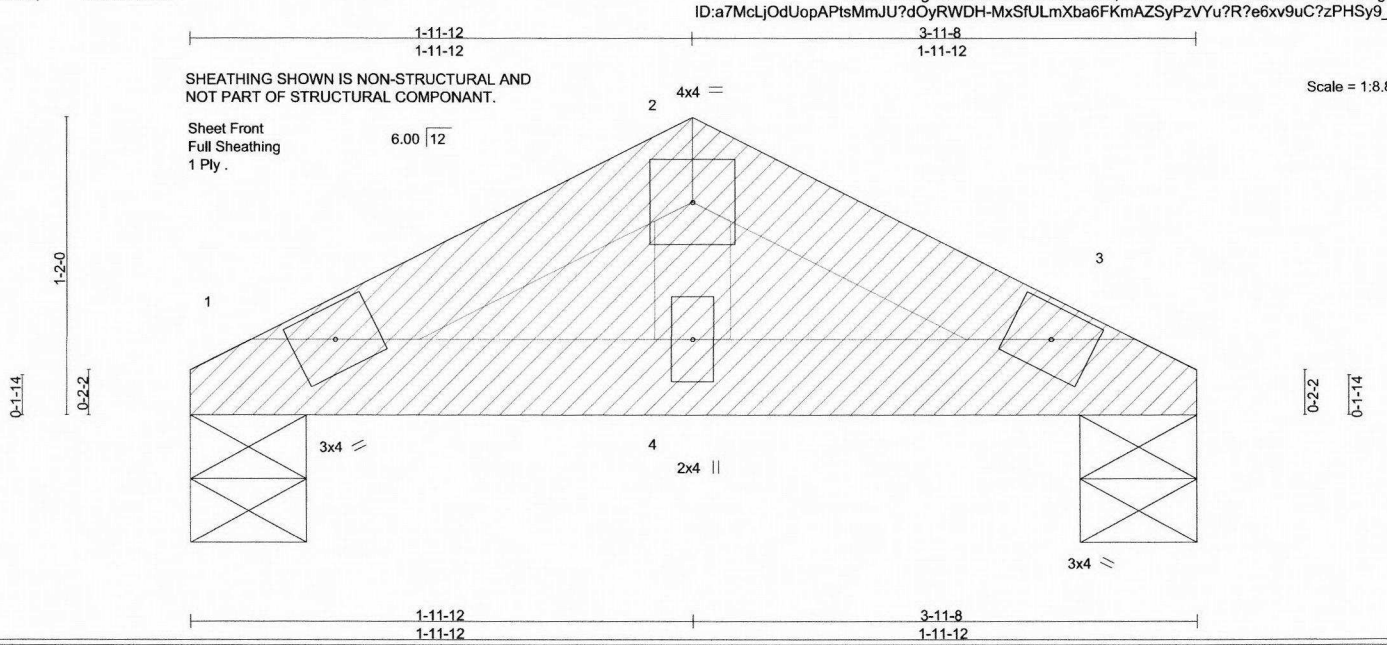


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	-0.00	1	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.03	Vert(CT)	-0.00	4	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix)							Weight: 12 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G

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

REACTIONS. (lb/size) 1=147/0-5-8, 3=147/0-5-8
Max Horz 1=17(LC 12)
Max Uplift 1=-32(LC 12), 3=-32(LC 13)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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) A plate rating reduction of 20% has been applied for the green lumber members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.
8) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

City of Portland
REVIEWED FOR CODE COMPLIANCE
FEB 07 2018
Permit Number

REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	D01	GABLE	1	1	K4034379
					Job Reference (optional)

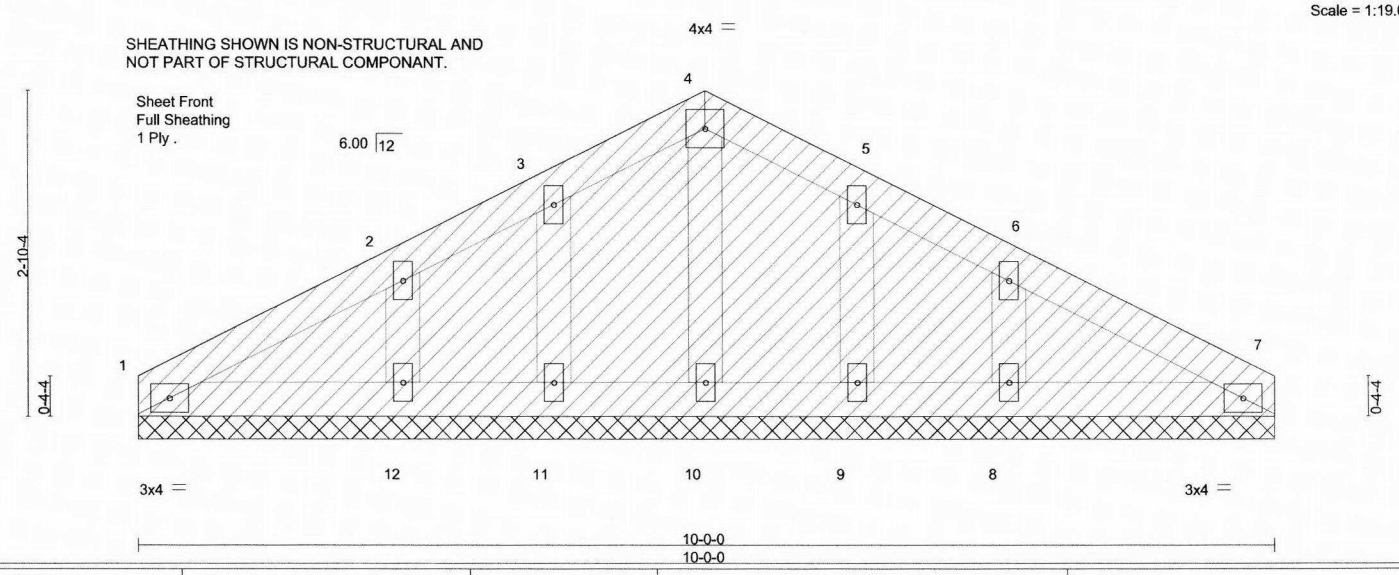
probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:37 2017 Page 1
ID:a7McLjOdUopAPtsMmJU?dOyRWDH-MxSfULmXba6FKmAZSyPzVYu?J?eyxucuC?zPHSy9_oe

5-0-0 10-0-0
5-0-0 5-0-0

Scale = 1:19.6

SHEATHING SHOWN IS NON-STRUCTURAL AND NOT PART OF STRUCTURAL COMPONANT.

Sheet Front
Full Sheathing
1 Ply .



10-0-0
10-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.04	Vert(LL)	n/a	-	n/a	999	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.04	Vert(CT)	n/a	-	n/a	999		
TCDL	7.0	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	7	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix)							Weight: 40 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
OTHERS 2x4 DF Std G

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 10-0-0.
(lb) - Max Horz 1=49(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 11, 12, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10, 11, 12, 9, 8

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully Exp.; Ct=1.1
4) Unbalanced snow loads have been considered for this design.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 1-4-0 oc.
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.
10) A plate rating reduction of 20% has been applied for the green lumber members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 11, 12, 9, 8.
12) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

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REGISTERED PROFESSIONAL ENGINEER
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OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	JE01	GABLE	1	1	K4034380
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:38 2017 Page 1
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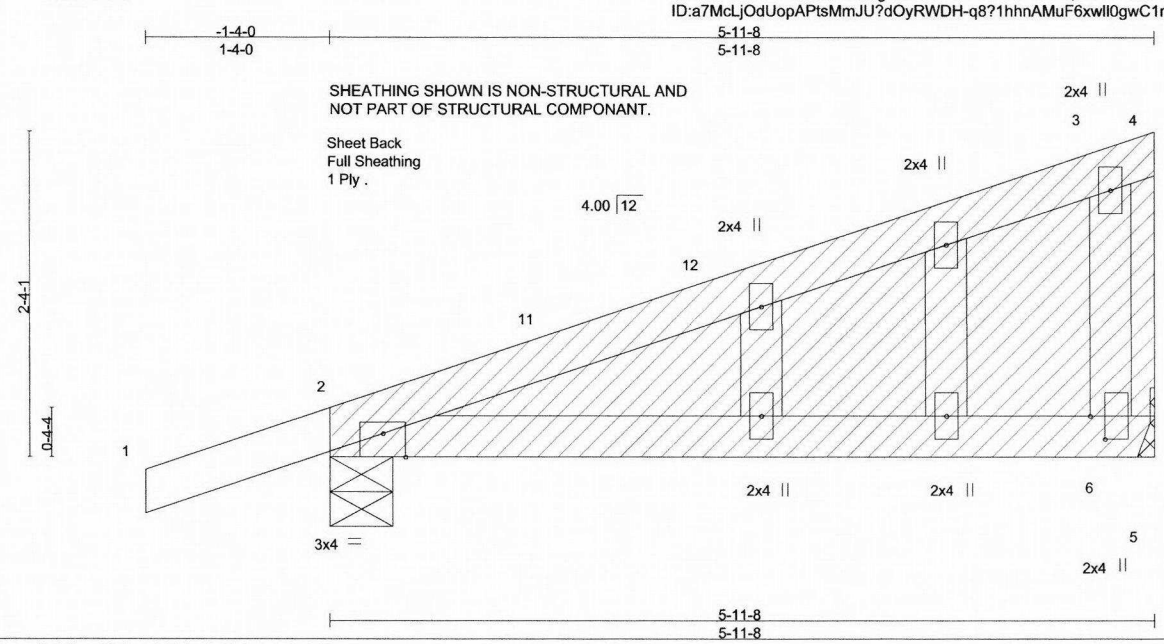

Plate Offsets (X,Y)-- [2:0-2-0,Edge], [6:0-2-0,0-1-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.04	2-6	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.12	2-6	>545	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix)							Weight: 24 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G
OTHERS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=240/Mechanical, 2=341/0-5-8
Max Horz 2=109(LC 9)
Max Uplift 6=-74(LC 12), 2=-150(LC 8)
Max Grav 6=275(LC 19), 2=351(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-6=-214/256

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Corner(3) -1-4-0 to 1-8-0, Exterior(2) 1-8-0 to 2-11-8, Corner(3) 2-11-8 to 5-11-8 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 25.0 psf on overhangs non-concurrent with other live loads.
6) Gable studs spaced at 1-4-0 oc.
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.
9) A plate rating reduction of 20% has been applied for the green lumber members.
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) 6 except (jt=lb) 2=150.
12) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

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89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	JE02	Monopitch	2	1	K4034381
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:38 2017 Page 1
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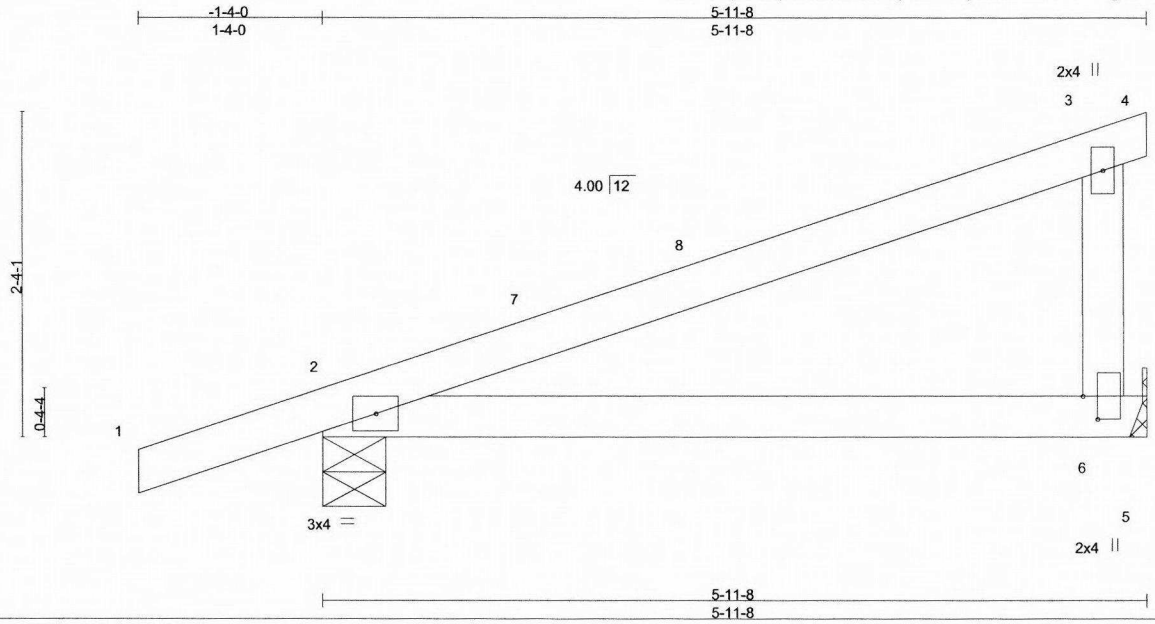

Plate Offsets (X,Y)-- [6:0-2-0,0-1-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.36	Vert(LL)	-0.04	2-6	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.22	Vert(CT)	-0.12	2-6	>545	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix)							Weight: 21 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=240/Mechanical, 2=341/0-5-8
Max Horz 2=109(LC 9)
Max Uplift 6=-74(LC 12), 2=-150(LC 8)
Max Grav 6=275(LC 19), 2=351(LC 19)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 2-11-8, Exterior(2) 2-11-8 to 5-11-8 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 25.0 psf on overhangs non-concurrent with other live loads.
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) A plate rating reduction of 20% has been applied for the green lumber members.
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) 6 except (jt=lb) 2=150.
10) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

City of Portland
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REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	JE03	Monopitch	3	1	K4034382
					Job Reference (optional)

probuild, beaverton or

7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:39 2017 Page 1
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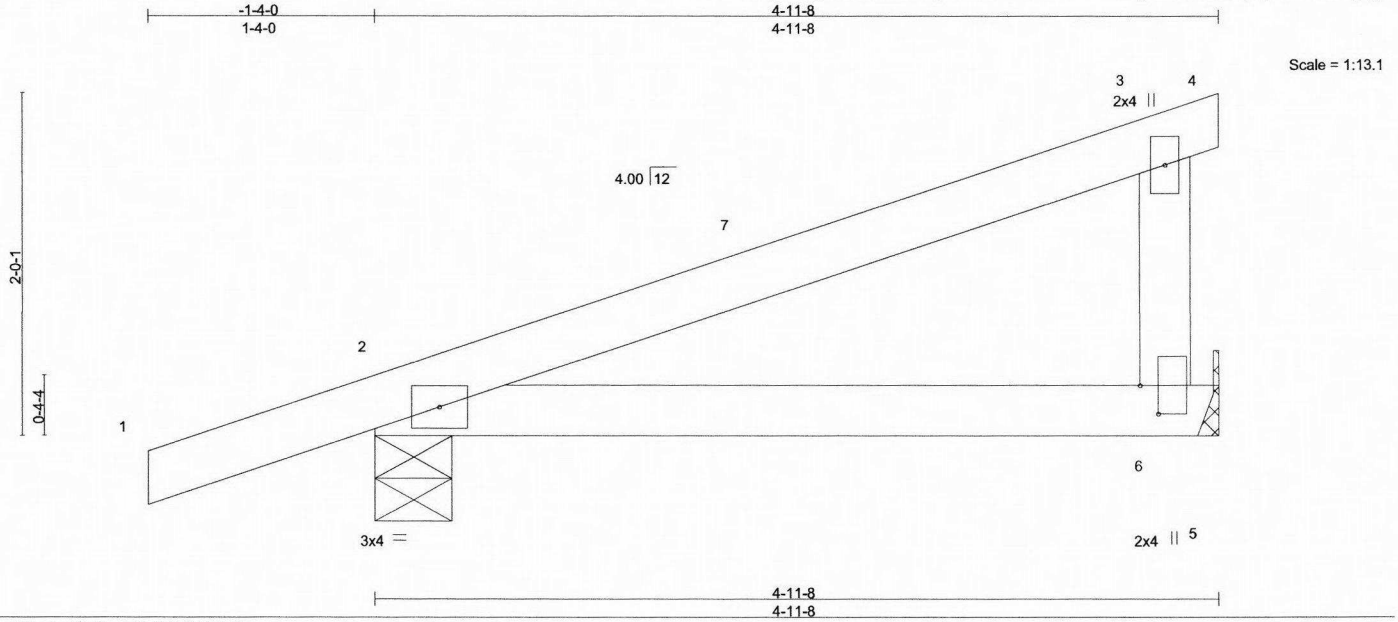

Plate Offsets (X,Y)-- [6:0-2-0,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.21	Vert(LL)	-0.02	2-6	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.05	2-6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	(Matrix)							Weight: 18 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=195/Mechanical, 2=302/0-5-8
Max Horz 2=92(LC 9)
Max Uplift 6=-59(LC 12), 2=-141(LC 8)
Max Grav 6=220(LC 19), 2=309(LC 19)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 25.0 psf on overhangs non-concurrent with other live loads.
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) A plate rating reduction of 20% has been applied for the green lumber members.
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) 6 except (jt=lb) 2=141.
10) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

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OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	JE04	Monopitch	4	1	K4034383
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:39 2017 Page 1
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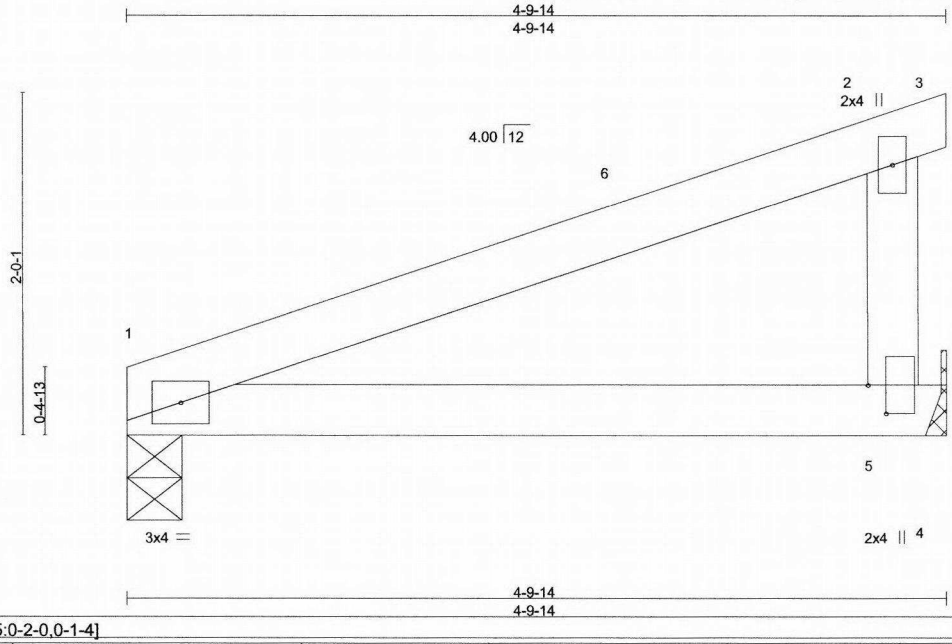

Plate Offsets (X,Y)-- [5:0-2-0,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.24	Vert(LL)	-0.02	1-5	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.14	Vert(CT)	-0.05	1-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	(Matrix)							Weight: 16 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=182/0-3-14, 5=210/Mechanical
Max Horz 1=83(LC 9)
Max Uplift 1=-45(LC 8), 5=-67(LC 12)
Max Grav 1=183(LC 18), 5=222(LC 18)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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) A plate rating reduction of 20% has been applied for the green lumber members.
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) 1, 5.
9) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

EXPIRES: 12-31-2019
December 14,2017

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	JE05	Monopitch	1	1	K4034384
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:39 2017 Page 1
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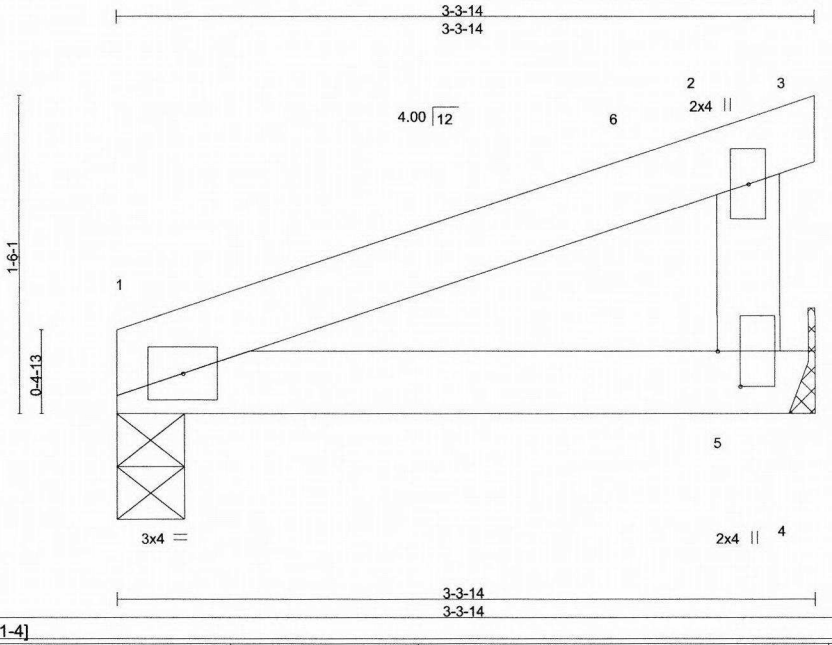

Plate Offsets (X,Y)-- [5:0-2-0,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	-0.00	1-5	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.05	Vert(CT)	-0.01	1-5	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	(Matrix)							Weight: 11 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 1=118/0-3-14, 5=147/Mechanical
Max Horz 1=58(LC 9)
Max Uplift 1=-28(LC 8), 5=-47(LC 12)
Max Grav 1=118(LC 18), 5=150(LC 18)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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) A plate rating reduction of 20% has been applied for the green lumber members.
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) 1, 5.
9) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

EXPIRES: 12-31-2019
December 14,2017

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	JE06	Monopitch	5	1	K4034385
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:40 2017 Page 1
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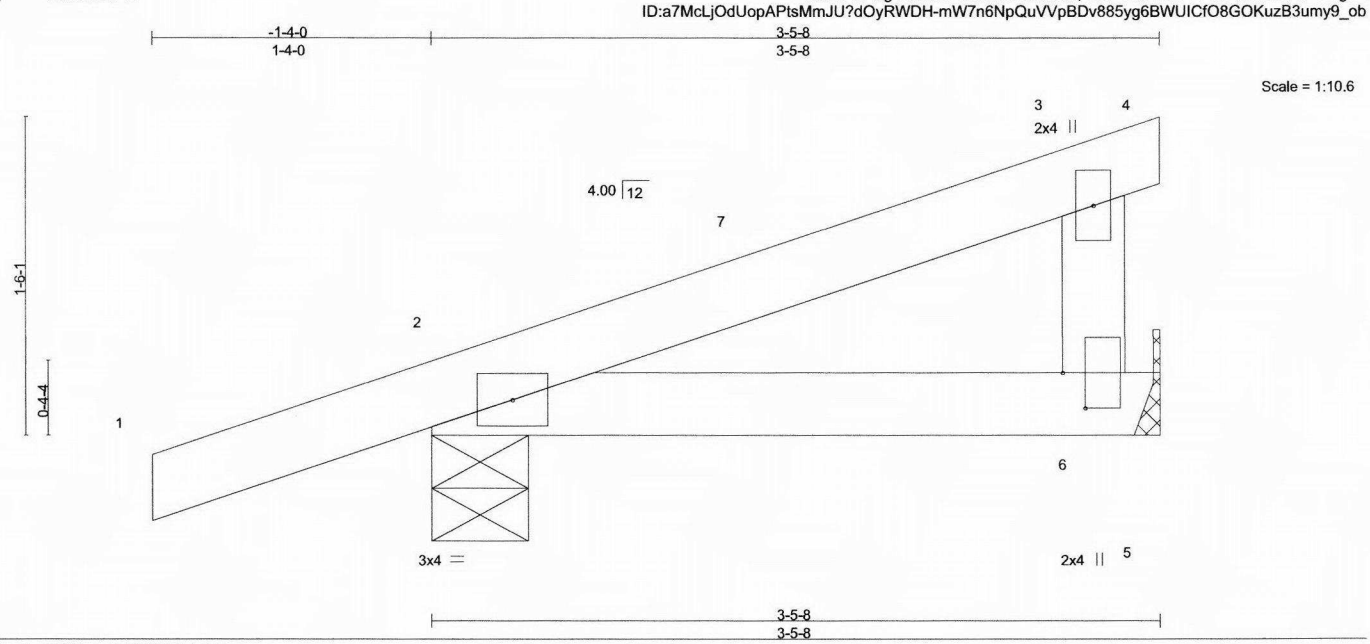

Plate Offsets (X,Y)-- [6:0-2-0,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.00	2-6	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.01	2-6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix)							Weight: 13 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=123/Mechanical, 2=248/0-5-8
Max Horz 2=68(LC 9)
Max Uplift 6=-34(LC 12), 2=-133(LC 8)
Max Grav 6=136(LC 19), 2=273(LC 18)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 25.0 psf on overhangs non-concurrent with other live loads.
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) A plate rating reduction of 20% has been applied for the green lumber members.
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) 6 except (jt=lb) 2=133.
10) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

City of Portland
REVIEWED FOR CODE COMPLIANCE
FEB 07 2018
Permit Number

REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	JE07	Monopitch	1	1	K4034386
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:40 2017 Page 1
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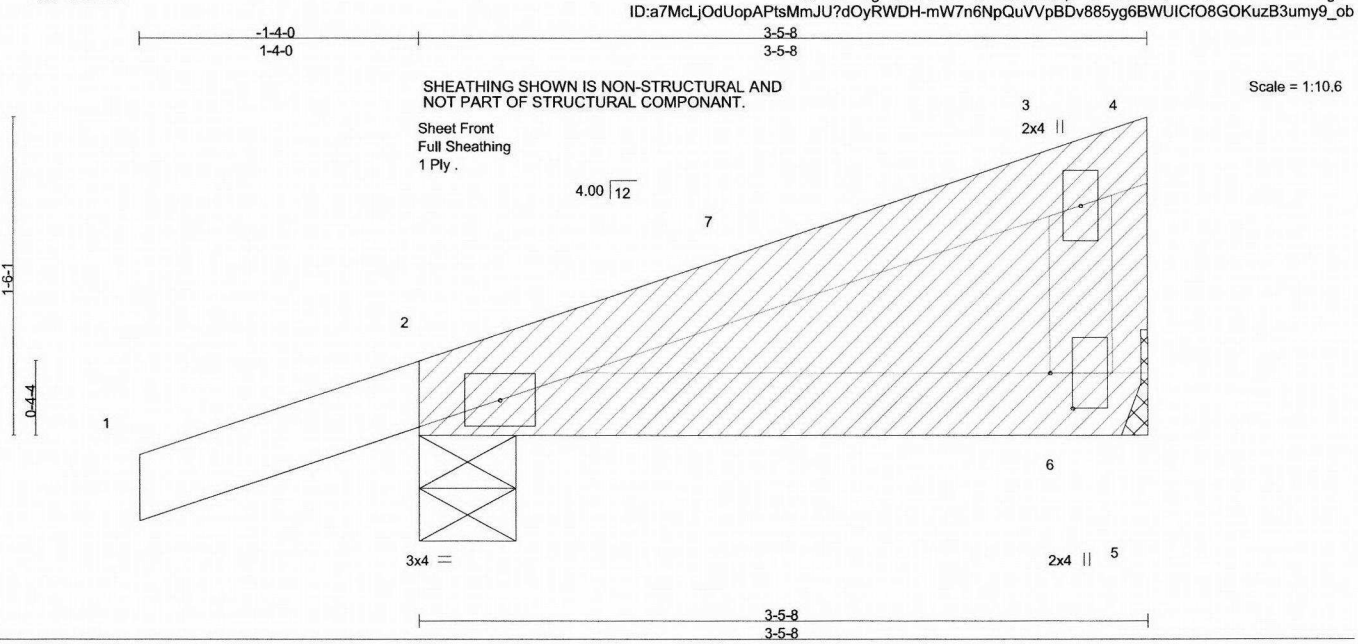

Plate Offsets (X,Y)-- [6:0-2-0,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.19	Vert(LL)	-0.00	2-6	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.06	Vert(CT)	-0.01	2-6	>999	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	(Matrix)								
BCDL	10.0										Weight: 13 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=123/Mechanical, 2=248/0-5-8
Max Horz 2=68(LC 9)
Max Uplift 6=-34(LC 12), 2=-133(LC 8)
Max Grav 6=136(LC 19), 2=273(LC 18)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Corner(3) zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 25.0 psf on overhangs non-concurrent with other live loads.
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) A plate rating reduction of 20% has been applied for the green lumber members.
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) 6 except (jt=lb) 2=133.
10) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

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REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	JF01	GABLE	1	1	K4034387
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:41 2017 Page 1
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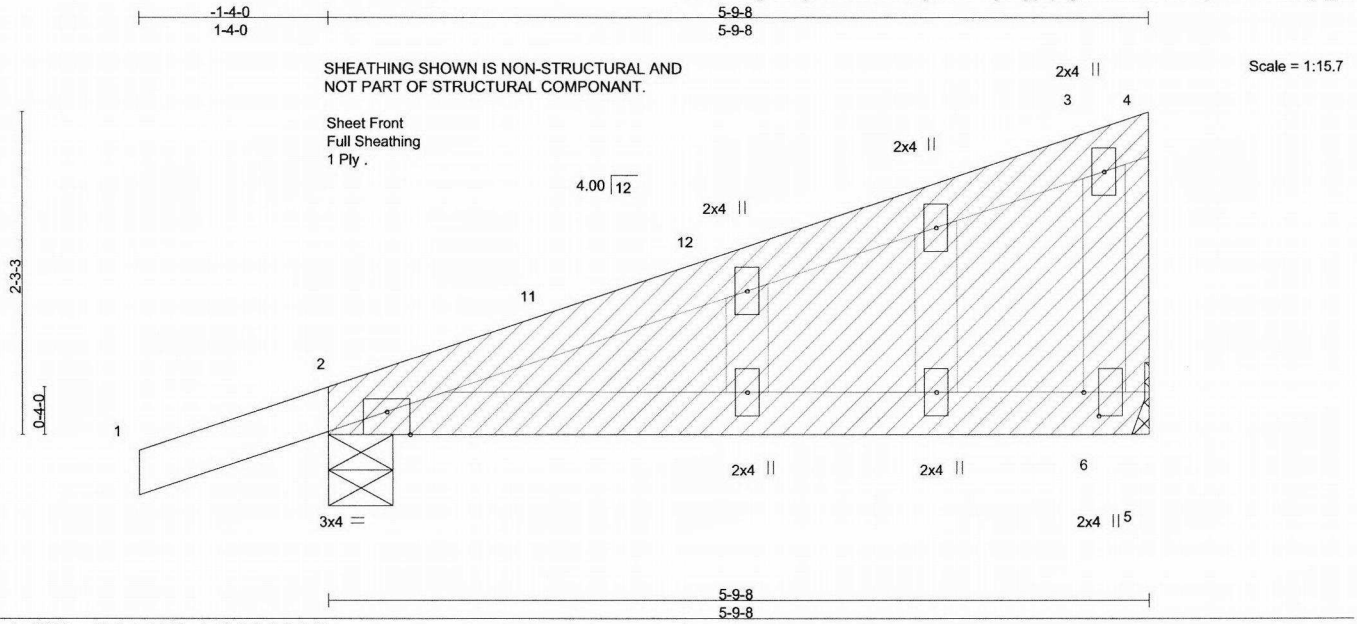

Plate Offsets (X,Y)-- [2:0-2-0,Edge], [6:0-2-0,0-1-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.04	2-6	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.11	2-6	>599	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix)								
BCDL	10.0										Weight: 23 lb	FT = 10%

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G
OTHERS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=233/Mechanical, 2=334/0-5-8
Max Horz 2=105(LC 9)
Max Uplift6=-71(LC 12), 2=-149(LC 8)
Max Grav 6=266(LC 19), 2=344(LC 19)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Corner(3) -1-4-0 to 1-8-0, Exterior(2) 1-8-0 to 2-9-8, Corner(3) 2-9-8 to 5-9-8 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 25.0 psf on overhangs non-concurrent with other live loads.
6) Gable studs spaced at 1-4-0 oc.
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.
9) A plate rating reduction of 20% has been applied for the green lumber members.
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) 6 except (jt=lb) 2=149.
12) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

City of Portland
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REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	JF02	Monopitch	15	1	K4034388
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:41 2017 Page 1
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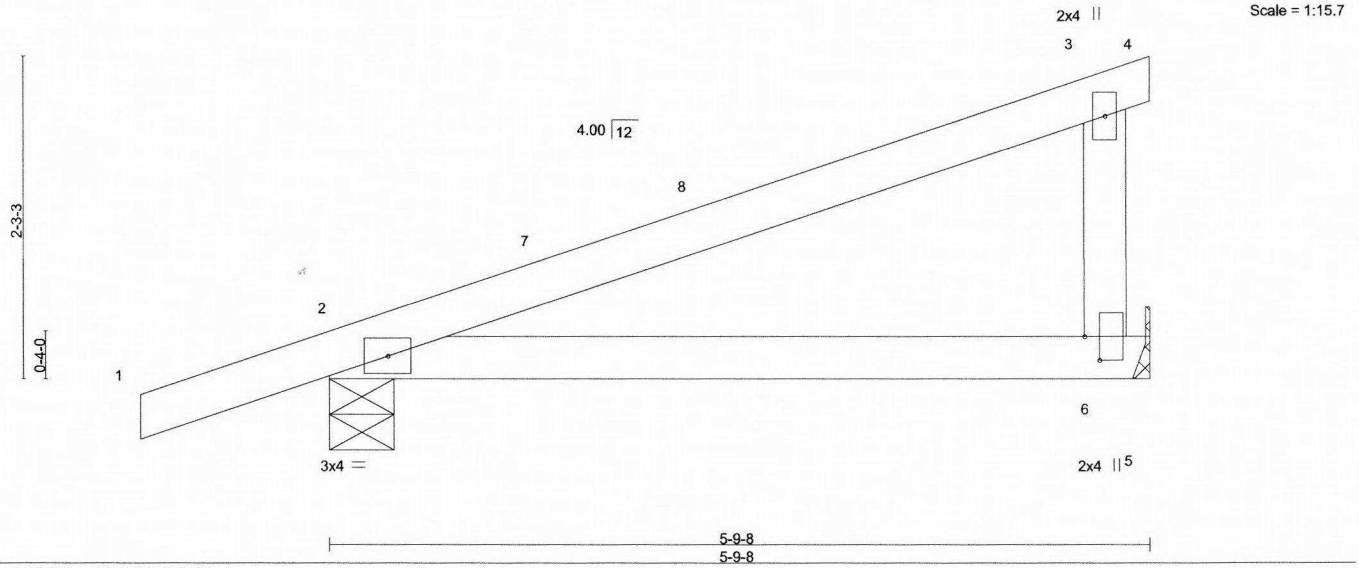

Plate Offsets (X,Y)-- [6:0-2-0,0-1-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.04	2-6	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.11	2-6	>599	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0 *	Code	IBC2015/TPI2014	(Matrix)							Weight: 21 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=233/Mechanical, 2=334/0-5-8
Max Horz 2=105(LC 9)
Max Uplift 6=-71(LC 12), 2=-149(LC 8)
Max Grav 6=266(LC 19), 2=344(LC 19)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Exterior(2) -1-4-0 to 1-8-0, Interior(1) 1-8-0 to 2-9-8, Exterior(2) 2-9-8 to 5-9-8 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 25.0 psf on overhangs non-concurrent with other live loads.
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) A plate rating reduction of 20% has been applied for the green lumber members.
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) 6 except (jt=lb) 2=149.
10) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

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REGISTERED PROFESSIONAL ENGINEER
89200PE
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

MiTek
250 Klug Circle
Corona, CA 92880

Job	Truss	Truss Type	Qty	Ply	Classic Image Homes
J1702818	JF03	GABLE	1	1	K4034389
					Job Reference (optional)

probuild, beaverton or 7.640 s Aug 16 2017 MiTek Industries, Inc. Thu Dec 14 15:44:41 2017 Page 1
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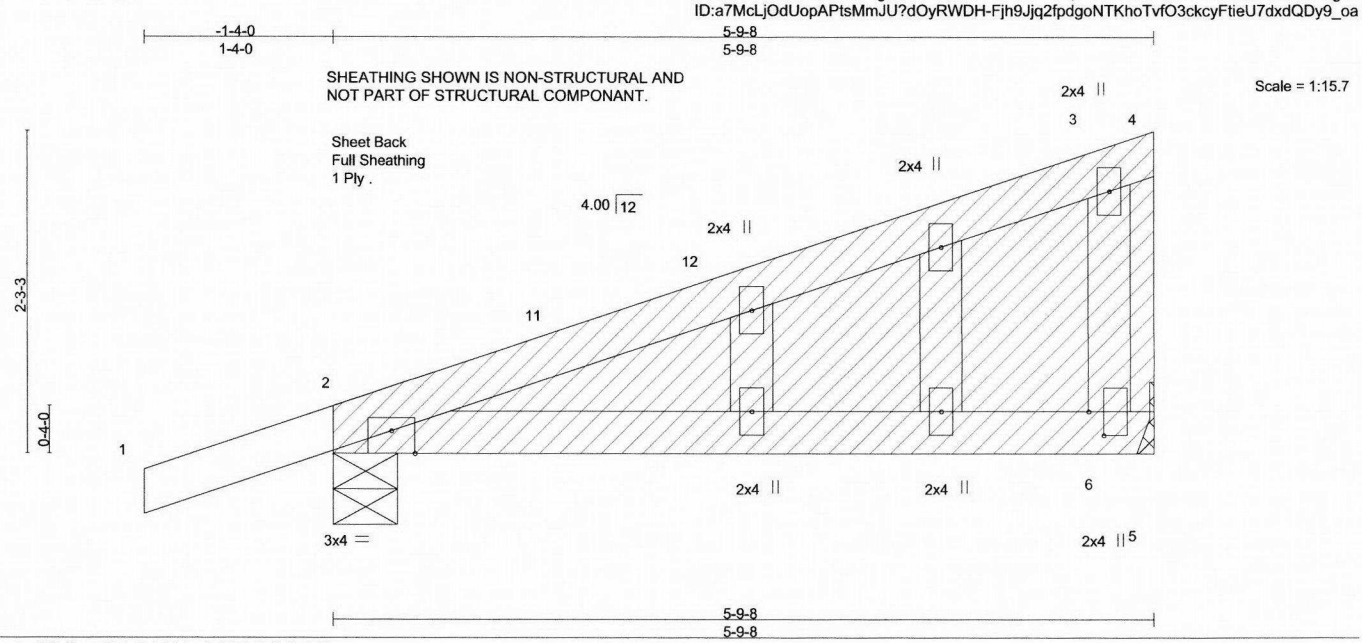

Scale = 1:15.7

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	25.0	Plate Grip DOL	1.15	TC	0.34	Vert(LL)	-0.04	2-6	>999	240	MT20	220/195
(Roof Snow=25.0)		Lumber DOL	1.15	BC	0.21	Vert(CT)	-0.11	2-6	>599	180		
TCDL	7.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		(Matrix)							Weight: 23 lb	FT = 10%
BCDL	10.0											

LUMBER-
TOP CHORD 2x4 DF No.1&Btr G
BOT CHORD 2x4 DF No.1&Btr G
WEBS 2x4 DF Std G
OTHERS 2x4 DF Std G

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=233/Mechanical, 2=334/0-5-8
Max Horz 2=105(LC 9)
Max Uplift 6=-71(LC 12), 2=-149(LC 8)
Max Grav 6=266(LC 19), 2=344(LC 19)

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

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=111mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (envelope) automatic zone and C-C Corner(3) -1-4-0 to 1-8-0, Exterior(2) 1-8-0 to 2-9-8, Corner(3) 2-9-8 to 5-9-8 zone; cantilever left and right exposed ; end vertical 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 7-10; Pf=25.0 psf (flat roof snow); Category II; Exp B; Fully 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 25.0 psf on overhangs non-concurrent with other live loads.
6) Gable studs spaced at 1-4-0 oc.
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.
9) A plate rating reduction of 20% has been applied for the green lumber members.
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) 6 except (jt=lb) 2=149.
12) "Fix heels only" Member end fixity model was used in the analysis and design of this truss.

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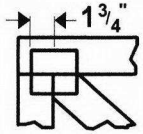
OREGON
MAY 14, 2014
DAVID MERRILL BAXTER

EXPIRES: 12-31-2019
December 14,2017

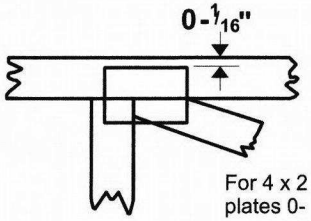
MiTek
250 Klug Circle
Corona, CA 92880

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

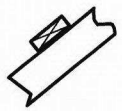
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

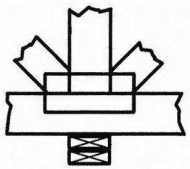
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

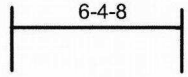


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

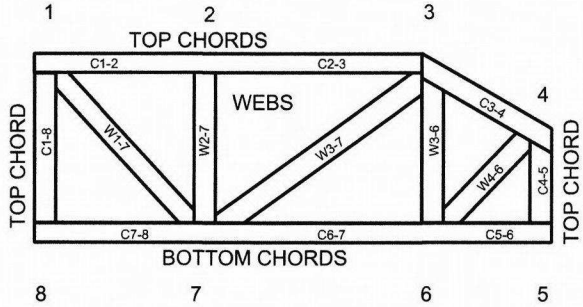
Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths (Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

MiTek®

MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.